Thirty-sixth Performance Evaluation Report

SGZ Remedy & SVE Remedy
March 2025 – August 2025

The Settling Parties

April 13, 2026
Revised May 04, 2026

→ **The Power of Commitment**

Project name		TIAA Superfund Site					
Document title		Thirty-sixth Performance Evaluation Report | SGZ Remedy & SVE Remedy					
Project number		12619196-RPT-5					
File name		12619196-RPT-5 36th PER text					
Status Code	**Revision**	**Author**	**Reviewer**		**Approved for issue**		
			Name	**Signature**	**Name**	**Signature**	**Date**
S2	0	Krystal Serfine	Dan Cusick				
S2	1	Evan Schaff	Justin Berkompas		Dan Cusick		05/04/2026
[Status code]							

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Executive Summary

This Thirty-sixth Performance Evaluation Report (PER) evaluates of the performance of the Shallow Groundwater Zone (SGZ) Remedy and the Soil Vapor Extraction (SVE) Remedy for the Tucson International Airport Area Superfund Site – Airport Property in Tucson, Arizona, for the March 2025 through August 2025 reporting period. The preceding Thirty-fifth PER (GHD Services Inc., 2025) was submitted as a Modified Data Report in May 2025 (PDF copy) for the operational period of September 2024 through February 2025, and included data collected during that 6-month reporting period. A Revised Conceptual Site Model was submitted to the Agencies on February 4, 2024 with no further comments. This Thirty-sixth PER provides a groundwater containment evaluation which is based on the final Revised Conceptual Site Model and groundwater data collected during the reporting period.

The SGZ Remedy groundwater remediation system includes six groundwater extraction wells pumping groundwater to a centralized treatment facility that uses an air stripper to remove volatile organic compounds (VOCs) from the extracted groundwater. The treated water is reinjected into the Regional Aquifer upgradient of the SGZ extraction system, and the Air Stripper Off-gas is treated by vapor phase granular activated carbon prior to discharge to the atmosphere. Routine operation of the SGZ Remedy groundwater remediation system commenced on October 29, 2007. The SGZ Remedy was operational from March 1, 2025 through August 31, 2025, with partial shutdowns ocurring for maintenace and repairs as outlined in section 4.3.1.

The objectives of the SGZ Remedy are to contain contaminated groundwater within the SGZ in the Technical Impracticability Zone (TI Zone), to restore the SGZ outside the TI Zone to the Performance Standards, and to prevent migration of VOCs into the Regional Aquifer or currently clean portions of the SGZ at levels that would cause an exceedance of the Performance Standards. The total operational performance of the SGZ groundwater remediation system averaged 98.7 percent run time. Due to the mitigation of vertical Contaminant of Concern (COC) migration from the SGZ and Gravel Subunit (GSU) to the Regional Aquifer (RA) and the current remedial action technology (i.e., SVE and pump and treat) reaching asymptotic COC recovery levels where the technology is no longer effective in mass VOC removal, additional remedial enhancement techniques are being evaluated. A Remedy Enhancement Pilot Test Work Plan is being prepared to review the potential alternatives and/or enhancements to the current SGZ Remedy and SVE TI Zone Remedy, focusing on using a source destruction approach.

The SVE Remedy includes two SVE systems: 1) the (TI Zone) SVE system and 2) the Remedy Required Subsites (RRS) SVE system. The TI Zone SVE system includes four TI Zone SVE well nests connected via pipeline to the centralized treatment facility blowers and treats extracted vapors through vapor phase granular activated carbon prior to discharge to the atmosphere. The RRS SVE system includes a skid-mounted vapor extraction blower and treatment system where extraction has been rotated across three SVE wells (SVE-5, SVE-6, and SVE-7) based on soil vapor concentrations.

The objectives of the SVE Remedy for the TI Zone SVE system is to contain the VOC concentrations to prevent an exceedance of the Performance Standards. During this 6-month reporting period, the TI Zone SVE system averaged a 91 percent run time, with down time the result of scheduled rehabilitation of the SVE wells occuring in April 2025. The TI Zone SVE treatment system treated the extracted soil vapor to below the treatment Performance Standards. The radius of influence (ROI) evaluation continues to demonstrate adequate containment of the soil vapors and the ROI evaluation will continue to be submitted annually in the even-numbered PERs.

The objective of the SVE Remedy for each RRS SVE location is to contain Contaminants of Concern to prevent an exceedance of the Performance Standards. The RRS SVE system was non-operational during the entire reporting period from March 1, 2024 through August 31, 2024 due to a previous communications module failure and rising groundwater elevations that led to the seizure of the system blower. The Thirty-sixth PER provides an evaluation for each of the RRS SVE locations and recommendations for discontinuation of treatment and proposed monitoring to support a path to closure. Given the reduction in soil vapor COC concentrations to levels that cannot impact the SGZ,

closure of the RRS is recommended and a formal closure pathway document is being developed at the request of the Agencies.

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Acronyms

ADEQ	Arizona Department of Environmental Quality
ADWR	Arizona Department of Water Resources
AFP44	Air Force Plant 44
AMSL	above mean sea level
bgs	below ground surface
CAP	Central Arizona Project
CCl_4	carbon tetrachloride
CD	Consent Decree
CIR	Construction Inspection Report
COC	Contaminant of Concern
COT	City of Tucson
CSM	Conceptual Site Model
CRA	Conestoga-Rovers & Associates
DBS&A	Daniel B. Stephens & Associates
EPA	United States Environmental Protection Agency
EQ	Equalization
FICO	Farmers Investment Corporation
FID	Flame Ionization Detector
FS	Feasibility Study
FSP	Field Sampling Plan
ft	feet
ft/ft	feet per foot
ft/sec	feet per second
ft/yr	feet per year
GAC	granular activated carbon
gal	gallon
GHD	GHD Services Inc.
gpm	gallon per minute
GSU	Gravel Subunit
HDPE	High Density Polyethylene
Hg	mercury
in.	inches
IP	inflection point
KOP	Knock-out Pot
lbs	pounds
lbs/day	pounds per day
MPSG	multi-port soil gas
MTZ	mass transfer zone
ND	Not Detected
NS	Not Sampled
O&M	Operation and Maintenance
OSWER	Office of Solid Waste and Emergency Response

PER	Performance Evaluation Report
PCE	tetrachloroethene
PID	Photoionization Detector
PMRRP	Pima Mine Road Recharge Project
ppbv	parts per billion by volume
PSVP	Performance Standards Verification Plan
QAPP	Quality Assurance Project Plan
RA	Regional Aquifer
RI	Remedial Investigation
ROD	Record of Decision
ROI	Radius of Influence
RRS	Remedy Required Subsite
SCADA	Supervisory Control and Data Acquisition
SGZ	Shallow Groundwater Zone
Skid	skid-mounted system
SOW	Statement of Work
SP	Settling Parties
SVE	Soil Vapor Extraction
SXD	San Xavier District
TAA	Tucson Airport Authority
TARP	Tucson Airport Remediation Project
TCE	Trichloroethene
TCZs	Target Capture Zones
the Agencies	EPA and ADEQ
TIAA	Tucson International Airport Area
TI Zone	Technical Impracticability Zone
U of A	University of Arizona
µg/L	micrograms per liter
U.S.	United States
USGS	U.S. Geological Survey
UST	underground storage tank
VOC	volatile organic compound
WER3	West End of Runway 3
100% Design	Revised SGZ Remedy and SVE Remedy Remedial Design Report
1,1-DCE	1,1-dichloroethene

1. Introduction, Background and Remedy Overview

This Performance Evaluation Report (PER) presents the Thirty-sixth PER semi-annual evaluation of the implementation of the Shallow Groundwater Zone (SGZ) Remedy and Soil Vapor Extraction (SVE) Remedy for the Airport Property (Site) located within the Tucson International Airport Area (TIAA) Superfund Site in Tucson, Arizona (see **Figure 1.1**). This report has been prepared pursuant to the requirements of Paragraph 30 of the Soils Consent Decree (CD) (United States [U.S.] District Court, 1999), and Sections 5.1.1, 5.1.2, and 5.2.1 of the Statement of Work (SOW) (U.S. Environmental Protection Agency [EPA], 1999).

1.1 Purpose and Organization of Report

The purpose of this report is to evaluate the performance of the SGZ Remedy and the SVE Remedy in attaining the Performance Standards specified in the SOW (EPA, 1999). This report includes the evaluation of the SVE containment and SGZ and SVE treatment systems for the reporting period of March 2025 through August 2025. Previously, a modification to the PER format was approved, which was the result of August 13, 2014, March 16, 2015, and July 16, 2015, meetings with EPA and the Arizona Department of Environmental Quality (ADEQ) (collectively known as the Agencies), during which EPA gave approval for submittal of the Fourteenth PER as a Modified Full PER (Conestoga Rovers & Associates [CRA], 2014b), in which certain text and figures were intentionally removed pending discussion and resolution of key interpretations with the Agencies. A revised Conceptual Site model (CSM) was submitted to the Agencies in individual sections for review and approval as agreed upon during these technical meetings/discussions. Currently all sections have been submitted and approved by the Agencies, with the final revised CSM revision submitted on February 4, 2024 (GHD Services Inc. [GHD], 2024a).

It was agreed, prior to submittal of the fifth PER[1], that the Settling Parties (SP) would submit one PER semi-annually as a data report, consisting only of presentation of data and a discussion of the SGZ and SVE treatment system performance for the 6-month period, but with limited groundwater containment evaluation; and, a second semi-annual PER would be submitted as a full PER, consisting of presentation of data, a discussion of the SGZ and SVE treatment system performance (for a 6-month period), and a complete groundwater containment evaluation that covers the 12-month period spanning the period for the Data Report and the full PER. This agreement was documented in a letter to the Agencies (CRA, 2010a).

This report is organized as follows:

- Section 1 presents the purpose and organization of the report, and the background of the project, as well as system overviews.
- Section 2 presents a summary of the revised CSM/Regional and Site Setting.
- Section 3 presents the SGZ Remedy groundwater level and water quality data, including an evaluation of the containment for the SGZ Remedy during the 6-month reporting period of March through August 2025.
- Section 4 presents the evaluation of the SGZ Remedy groundwater treatment system for the period of March through August 2025, including a summary of the operational issues and performance, and presents conclusions and recommendations for continued implementation of the SGZ Remedy.
- Section 5 presents the SVE Remedy performance evaluation of the Technical Impracticability (TI) Zone (TI Zone SVE Remedy) for the period of March through August 2025, including a summary of the data collected,

[1] The submittal number of the PER was not included in the title of the report until the “Sixth PER”. References to submittal of the “first” through the “fifth” PER are provided for convenience.

evaluation of collected data, and Performance Standards attainment; and presents conclusions and recommendations for continued implementation of the TI Zone SVE Remedy.

– Section 6 presents the SVE Remedy Required Subsites (RRS) performance evaluation, including the RRS SVE wells SVE-5 (Soils beneath West Lease Underground Storage Tanks [USTs]), SVE-6 (Former Building 25 and Adjacent Soils), and SVE-7 (Hangar 1, and North and East Sides of Hangar 1); and presents conclusions and recommendations for the RRS SVE Remedy system. The RRS SVE system was non-operational during this reporting period due to flooding of the system from rising groundwater levels which led to seizure of the system blower. Evaluation of the Subsites demonstrates they have been remediated to the SVE Remedy Performance Standard. Discussions with the Agencies are still ongoing regarding the decomissioning of the RRS system and subsequent closure of the Subsites.

Specific evaluation and reporting requirements included in this report are as follows:

– SGZ Remedy:
  - Section 5.2.1.1 of the SOW and Sections 4.2.1 and 4.4.1 of the Performance Standards Verification Plan (PSVP) (CRA, 2004a) require bi-annual evaluation of the status of the SGZ Remedy in achieving the Performance Standards pertaining to containment of: (i) the TI Zone, (ii) the SGZ underlying the Airport Property, and (iii) the SGZ underlying the Off-Airport Property.
  - Section 5.2.1.2 of the SOW requires performance monitoring of the groundwater treatment system discharge. The results of this monitoring are provided in Sections 4.3.2 (air stripper influent and effluent) and 4.3.4 (vapor phase carbon influent and effluent).
– SVE Remedy:
  - Section 5.1.1 of the SOW and Section 5.2.1 of the PSVP require SVE system performance data collection and reporting. The data collection and evaluation for the TI Zone SVE system are presented in Section 5, and the data collection and evaluation for the RRS SVE system are presented in Section 6. The RRS SVE system was non-operational during this reporting period, as described above.

1.2 Scope and Limitations

This report has been prepared by GHD for The Settling Parties and may only be used and relied on by The Settling Parties for the purpose agreed between GHD and The Settling Parties as set out in Section 1.1 of this report.

GHD otherwise disclaims responsibility to any person other than The Settling Parties arising in connection with this report. GHD also excludes implied warranties and conditions, to the extent legally permissible.

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

The opinions, conclusions and any recommendations in this report are based on conditions encountered and information reviewed at the date of preparation of the report. GHD has no responsibility or obligation to update this report to account for events or changes occurring subsequent to the date that the report was prepared.

1.3 Background/Remedy Overview

1.3.1 Background

The EPA listed the TIAA Superfund Site on the National Priorities List in 1982. On August 25, 1992, the EPA issued a Unilateral Administrative Order (EPA, Docket No 92-09, July 9, 1992) to the Tucson Airport Authority (TAA), the City of Tucson, General Dynamics Corporation, and McDonnell Douglas Corporation, for performance of a Remedial Investigation (RI)/Feasibility Study (FS) of the Site. Between April 1995 and April 1996, Daniel B. Stephens & Associates (DBS&A) completed the RI of the SGZ and vadose zone at the Site. On October 31, 1996, the RI report was submitted to the EPA by DBS&A and was approved by the EPA on May 2, 1997. An FS was prepared by CRA

and was submitted to the EPA on June 10, 1997 (CRA, 1997), to identify the remedial technologies that may be applicable to the Site and was approved by the EPA on July 10, 1997.

On September 30, 1997, the EPA issued a Record of Decision (ROD) for the selected Remedial Action for the Site. After negotiations between the SP and the EPA during the period of August 1998 to March 1999, the EPA issued the final Soils CD and the SOW (Appendix B to the Soils CD) on March 22, 1999. On June 17, 1999, the Soils CD was lodged in the U.S. District Court for the District of Arizona and was followed by a 60-day public comment period. The Court entered the Soils CD on February 17, 2000, with the stipulation that it would become effective 14 days later, on March 2, 2000.

The Soils CD and SOW delineate the Site into two areas, the On-Airport Property and the Off-Airport Property. As defined in the Soils CD, the Airport Property of the TIAA Superfund Site is divided into two areas: the On-Airport Property and the Off-Airport Property. The On-Airport Property is all of the area owned by the TIA east of the western boundary of the airport property. The Off-Airport Property is the area west of the western boundary of the airport property. The TI Zone is an approximately 1-acre area just south of Hangar 1 of the Three Hangars Building On-Airport Property and is considered the main source area of SGZ groundwater contamination, based on historic high contaminant of concern (COC) concentrations (**Figure 2.1**).

The Revised SGZ Remedy and SVE Remedy Design (RD) Report (100% Design Report) (Final Design Report) and Remedial Action Work Plan were submitted to the EPA on July 25, 2004 (CRA, 2004b), and were approved by the EPA on September 3, 2004. The SP awarded the construction of the SGZ and SVE Remedies to the Ashton Company on April 27, 2006. Construction of the SGZ Remedy and the TI Zone SVE Remedy was substantially completed on May 18, 2007, and construction of the RRS SVE Remedy was substantially completed on September 14, 2007. The final Field Sampling Plan (FSP) and Quality Assurance Project Plan (QAPP) for the SGZ Remedy and the SVE Remedy were submitted to the EPA on September 28, 2007 (CRA, 2007a and 2007b, respectively). The final Operation and Maintenance (O&M) Manual for the SGZ Remedy and the SVE Remedy was submitted to the EPA on October 30, 2007. An updated O&M Manual was subsequently submitted to the EPA on December 20, 2013 (CRA, 2013b).

Operational testing of the SGZ Remedy and TI Zone SVE Remedy was performed for EPA from June 14 to June 22, 2007. Operational testing of the RRS SVE Remedy located at extraction well SVE-7 was performed for the EPA from September 17 to September 19, 2007. The system construction inspection meetings were completed in August and September 2007. Details of the commissioning and operational testing activities and the construction inspections are summarized in the Construction Inspection Report (CIR), SGZ Remedy and SVE Remedy (CRA, 2007c).

On July 24, 2007, the EPA approved the “startup and shakedown” operation of the SGZ Remedy prior to the Construction Meeting. The SGZ Remedy was operational in a “startup and shakedown” mode from July 27 through October 29, 2007. The EPA provided an “Operational and Functional Determination” for the SGZ Remedy and SVE Remedy extraction and treatment systems in a letter dated October 29, 2007, and approved the SP’s request to commence continuous operation of the extraction and treatment systems. Routine operation of the SGZ Remedy and SVE Remedy extraction and treatment systems commenced on October 29, 2007.

An RRS SVE-7 Status Update and Proposed RRS SVE System Relocation letter (CRA, 2010b) was submitted to the Agencies on July 2, 2010, to discuss the status of operation of the RRS SVE system at SVE-7, and to notify the Agencies that the system would be relocated to the next RRS SVE location. On October 20, 2010, the skid-mounted system (Skid) was relocated to an area between RRS SVE wells SVE-5 and SVE-6 for treatment at RRS SVE-6. An RRS SVE-6 Status Update and Proposed Remediation at Subsequent RRS SVE-5 letter (CRA, 2013a) was submitted to the Agencies on July 23, 2013, to discuss the status of operation of the RRS SVE system at SVE-6, and to notify the Agencies that remediation would cease at SVE-6 and commence at SVE-5. Remediation was discontinued at SVE-6 on August 27, 2013, and routine operation commenced at SVE-5 on September 3, 2013. Operations were discontinued at SVE-5 on March 1, 2016, due to low volatile organic compound (VOC) concentrations and resumed at SVE-6 on March 6, 2016. Remediation was discontinued at SVE-6 on December 30, 2018, and routine operation resumed at SVE-5 on January 14, 2019, due to low VOC concentrations at SVE-6 and to address the slight rebound of soil gas concentrations at multi-port soil gas (MPSG) monitoring well S-1

from the August 2018 sampling event. Remediation was discontinued at SVE-5 on August 20, 2020, due to low VOC concentrations at SVE-5 and to resume operation at SVE-7. Treatment resumed at SVE-7 on February 22, 2021, and shutdown in August 2022 due to a communications module failure. A seizure of the blower followed due to high groundwater levels and flooding of the RRS system. The system has remained inoperable since August 2022 and throughout the entire reporting period and the subsites have been remediated to the SVE Remedy Performance Standard. An evaluation of the three RRS locations is included in this Thirty-sixth PER and recommendations for next steps with regards to final closure are discussed in Section 6.

The SP retained CRA (acquired by GHD) as Supervising Contractor for completing the remedial design and to assist the Project Coordinator in administering and overseeing the implementation of the SGZ and SVE Remedies at the Site, including the Remedial Action and O&M activities. The SP retained CRA as the O&M Contractor for the first year of operation of the SGZ and SVE remediation systems at the Site. The SP awarded subsequent contract extensions. The organizational structure for the project is presented in Section 1.2 of the updated O&M Manual (CRA, 2013b).

A total of 35 semi-annual PERs (not including the Thirty-sixth PER) have been prepared and submitted since start-up of the SGZ Remedy and SVE Remedy, as required by the SOW.

1.3.2 SGZ Remedy Performance Standards

The Performance Standards, as stated in Section 2.1.1 of the SOW, are as follows:

"2.2.1 <u>Performance Standards for the SGZ Inside the TI Zone</u>

The Performance Standard for Remediation of the SGZ Inside the TI Zone is to provide lateral and vertical hydraulic containment of contaminated shallow groundwater until contaminant concentrations inside the TI Zone are reduced to levels at which ceasing operation of the Groundwater Treatment System in the TI Zone will not cause a water quality impact in excess of the water quality standards set forth in Table 2.3 to the SGZ outside the TI Zone or to the Regional Aquifer as demonstrated by groundwater modeling and monitoring of the Regional Aquifer and SGZ.

2.2.2 <u>Performance Standards for SGZ Outside the TI Zone</u>

The Performance Standard for remediation of the SGZ outside the TI Zone is (i) to restore the SGZ outside the TI Zone to the Performance Standards set forth in Table 2.3, and (ii) to prevent migration of VOCs into the Regional Aquifer or currently clean portions of the SGZ at levels that cause an exceedance of the Performance Standards set forth in Table 2.3.

2.2.3 <u>Performance Standards for Treated Discharge from Groundwater Treatment System</u>

The Performance Standards for reinjection of treated groundwater are set forth in Table 2.3. For the other discharge options, specific discharge performance standards cannot be developed until the option has been selected and the appropriate regulatory agencies have been contacted to discuss their requirements as set forth in Section 10.4.4.1 of the ROD."

This PER documents that since the ROD was issued, there have been significant changes to Site hydrogeology due to unanticipated actions beyond the control of the SPs. As shown in the Revised CSM (GHD, 2024a), since the ROD and its selected remedies were implemented, the Regional Aquifer (RA) groundwater elevations have risen over 20 feet associated with regional influences on the Airport Property, as discussed in the CSM. In addition, the lack of containment by the Air Force Plant 44 (AFP44) groundwater remediation system is affecting Airport Property along the boundary and south of Los Reales Road. This Revised CSM discusses the lack of containment and effect of these changes on the Site and the efficacy of the existing remedies. Section 2 details the Regional and Site setting.

The treated air discharge Performance Standards are the Title 17 Pima County Air Quality Code 17.16.430, Subparagraph F, which limits discharges to 15 pounds of VOCs per day, per site (Office of Solid Waste and Emergency Response [OSWER] Directive 9355.0 28 Emissions from Air Strippers [EPA, 1989]).

As stated in Section 11.4 of the ROD (Appendix A to the CD, 1999), the most predominant COC in the SGZ for the Airport Property is trichloroethene (TCE). Although the COCs chloroform, 1,2-dichloropropane, carbon tetrachloride (CCl_4), 1,2-dichloroethane, tetrachloroethene (PCE), and 1,1-dichloroethene (1,1-DCE) are present at a limited

number of SGZ groundwater monitoring and extraction wells, TCE is the primary COC that exceeds the Performance Standards (**Table 1.1**) and is the only COC routinely detected in the combined influent stream to the SGZ treatment system. Therefore, TCE is used as a surrogate for evaluation of containment. All COCs are evaluated and compared with their respective Performance Standards (**Table 1.1**); however, the primary focus of COC discussions in this report is on TCE.

1.3.3 SGZ Remedy Components

The SGZ Remedy consists of a groundwater extraction and treatment system (SGZ System). The groundwater extraction system includes the following three groundwater extraction sub-systems:

– TI Zone SGZ extraction system
– On-Airport Property SGZ extraction system
– Off-Airport Property SGZ extraction system

The three-groundwater extraction sub-systems operate simultaneously, pumping groundwater from the more permeable Gravel Subunit (GSU) to establish and maintain hydraulic containment of the groundwater in the SGZ within each of the above areas. The groundwater is conveyed to the central treatment facility for treatment and is ultimately reinjected into the Regional Aquifer (RA). Design components are discussed in the 100% Design Report (CRA, 2004b). The extraction wells for each of the SGZ sub-systems are shown below:

1. TI Zone – Two extraction wells:
   - DP-1
   - CRA-5
2. On-Airport Property – Two* extraction wells:
   - EW-1
   - EW-2R

   * Note that EW-3 was designed and initially utilized as an extraction well but is no longer used as an extraction well. (Refer to the Sixth PER [CRA, 2011] for a discussion.)
3. Off-Airport Property – Two** extraction wells:
   - EW-4
   - S-38***

   ** Note that EW-5 was designed and initially utilized as an extraction well but is no longer used as an extraction well. (Refer to the Thirteenth PER [CRA, 2014a] for a discussion.)

   *** S-38 was converted from a monitoring well to an extraction well on February 14, 2014, to supplement the declining production from EW-4 (refer to the Thirteenth PER [CRA, 2014a] for a discussion).

The SGZ system layout is discussed in detail in the CIR (CRA, 2007c) and is shown on the updated As-Built Drawings (April 2011). Both documents were provided in the Sixth PER (CRA, 2011).

As required by the ROD, the discharge Performance Standards for reinjection of treated groundwater are the Federal Maximum Contaminant Levels and the Arizona Health Based Guidance Levels (see **Table 1.1**). As noted above, TCE is the predominant COC in the extracted groundwater and is used as a surrogate for discussion of the extraction and treatment process. The treated water is reinjected into the Regional Aquifer upgradient of the SGZ VOC plume.

The selected base groundwater treatment process is as follows:

1. Equalization (EQ) Tank and Transfer Pump
2. Air Stripper and Effluent Tank
3. Vapor Carbon Treatment of Air Stripper Off-Gas

The treatment process is discussed in detail in the updated O&M Manual (CRA, 2013b), and the updated As-Built Drawings (April 2011) have been provided in previous PERs. Minor changes to the SGZ system, which do not materially change the underlying design, operation of the remedies, or achievement of the Performance Standards, have been made since submittal of the 100% Design Report and O&M Manual. Changes to the system include:

- Installation of a sequestering agent tank and injection of a sequestering agent into the process stream to minimize precipitation of calcium in the Air Stripper to replace the electronic scale suppression system (discussed in the first PER submittal [CRA, 2008]).
- Discontinuation of groundwater extraction at extraction well EW-3 for purposes of containment along the On-Airport Property boundary. It was decided to address the contamination in the vicinity of EW-3 as a separate Plug-In Subsite (discussed at a December 15, 2009, meeting and summarized in a Summary of Meeting Decisions letter [CRA, 2010a]).
- Low air flow shutdown condition for the Air Stripper Blower reduced from 600 standard cubic feet per minute to 525 standard cubic feet per minute (discussed in the Sixth PER [CRA, 2011]).
- Discontinuation of groundwater extraction at well EW-5, and conversion of monitoring well S-38 to a new extraction well, with associated Supervisory Control and Data Acquisition (SCADA) modifications (discussed in Section 4.3.1 and in more detail in the Thirteenth PER [CRA, 2014a]).
- Miscellaneous process piping and instrumentation changes.

All changes to the system are shown on the updated As-Built Drawings which have been provided in previous PERs.

The treated groundwater discharge system has been designed for 100 percent reinjection into the RA, which allows for future beneficial use of the treated groundwater.

1.4 SVE Remedy Overview

1.4.1 SVE Remedy Performance Standards

The SVE Remedy Performance Standards specified in Section 2.1 of the SOW are as follows:

"2.1.2 <u>Performance Standard for Remedy Required Subsites</u>

The narrative Performance Standard for the SVE Remedy at the Remedy Required Subsites is to operate each SVE subsystem until VOC concentrations are reduced such that soil contamination will not result in water quality impacts to the SGZ above the Performance Standards set forth in Table 2.3. Further, the SVE system at Remedy Required Subsites will mitigate migration of soil vapors outside of Remedy Required Subsites and to the SGZ. Settling Defendants shall calculate numeric soil vapor cleanup levels which achieve the narrative Performance Standard set forth in this section pursuant to Section 4.1.6.

2.1.3 Performance Standard within the TI Zone

The narrative Performance Standard for the SVE Remedy within the TI Zone is to laterally and vertically contain VOC soil vapors in subsurface soils until VOC concentrations are reduced such that ceasing operation of the SVE Remedy will not cause water quality impacts to the SGZ outside the TI Zone or to the Regional Aquifer above the Performance Standards set forth in Table 2.3.

2.1.4 <u>Performance Standards for SVE System Off-Gas Control</u>

The Performance Standards for the SVE Off-gas treatment system are as follows:

i) comply with all of the ARARs for air emissions described in Section 11.1 of the ROD.

ii) attain a reduction of no less than 85 percent of influent VOC concentrations.

Routine monitoring of off-gas will be completed in accordance with the SVE O&M Manual to ensure compliance with all ARARs set forth in Section 11.1.3 of the ROD and Performance Standards. If the off-gas treatment system should fail, Settling Defendants shall repair and/or shut down the SVE system until the emission controls are again effective

and meet Performance Standards. If determined necessary by EPA, Settling Defendants shall install additional treatment technologies to ensure compliance with the Performance Standards described in this Section 2.1.4."

The treated air discharge Performance Standards are the Title 17 Pima County Air Quality Code 17.16.430, Subparagraph F, which limits discharges to 15 pounds of VOCs per day, per site (OSWER Directive 9355.0 28 Emissions from Air Strippers [EPA, 1989]).

As stated in Section 11.4 of the ROD (Appendix A to the CD, 1999), the most predominant COC in the SGZ for the Airport Property is TCE. Although the COCs chloroform, 1,2-dichloropropane, CCl_4, 1,2-dichloroethane, PCE, and 1,1-DCE are present at a limited number of SGZ groundwater monitoring and extraction wells, TCE is the primary COC that exceeds the Performance Standards (**Table 1.1**) at most monitoring wells. Therefore, TCE is used as a surrogate for evaluation of containment. All COCs are evaluated and compared with their respective Performance Standards (**Table 1.1**); however, TCE is the primary focus of COC discussions in this report.

Rising groundwater levels, as described in Section 1.3.2 and discussed in Section 2, have also created operational challenges due to water extraction from SVE wells, and are discussed in Section 5 for the TI Zone and Section 6 for the RRS.

1.4.2 TI Zone SVE System Components

The major components of the TI Zone SVE system are as follows:

1. Four TI Zone SVE nested wells
2. SVE conveyance pipelines from each SVE well to the SVE treatment system
3. SVE treatment system with the following major components:
    - Knock-out pots (KOPs) with Transfer Pumps
    - SVE Blowers
    - SVE Heat Exchanger (Air-to-Air Cooler)
    - Vapor Phase Carbon treatment Units

Each TI Zone SVE well vault consists of two SVE wells, one well pipe is dual-screened within Units 2 and 3, and one well pipe is single-screened within the saturated portions of Unit 4.

Separate blowers are connected to the two well pipes within each SVE well vault to allow better control of the vapor extraction from the different units. One of the four SVE wells in the TI Zone, SVE-4L (also referred to as DP-1), has been installed as a dual-phase extraction well (able to extract both soil gas and groundwater from the same well). The groundwater extraction pump is installed in the well screened within Unit 4. Design components are discussed in the 100% Design Report (CRA, 2004b).

The treatment process is fully detailed in the updated O&M Manual (CRA, 2013b) and shown in the updated As-Built Drawings which have been provided in previous PERs. Minor changes to the SVE system, which do not materially change the underlying design; operation of the remedies; or achievement of the Performance Standards, have been made since submittal of the 100% Design Report and O&M Manual. Changes to the system include:

– Changed the sheave on the blower to reduce the applied vacuum at the SVE wells to less than 11 inches (in.) of mercury (Hg) to minimize extracted water (discussed in the fifth PER) (CRA, 2010c).
– Changed the Unit 2/3 vacuum process piping in the facility from steel to polyvinyl chloride and insulated the piping (discussed in the fifth PER) (CRA, 2010c).
– Installed a vacuum transmitter on the vacuum line between the Unit 2/3 KOP and Blower and modified the SCADA programming to allow additional functionality (discussed in the fifth PER) (CRA, 2010c).
– Installed a purge air system to flush the Unit 2/3 Blower seals as a preventative maintenance procedure (discussed in the Sixth PER) (CRA, 2011).

– Replaced the positive displacement Unit 2/3 Blower with a regenerative blower (Republic, Model #HRB1502-TC) to address continuing maintenance issues (discussed in the Ninth PER) (CRA, 2012a).
– Removed the purge air system and the oil lube system that were associated with the positive displacement blower following the change to the regenerative blower (discussed in the Ninth PER) (CRA, 2012a).
– Miscellaneous process piping changes.

All changes to the system, excluding the blower replacement and associated modifications, are shown on the As-Built Drawings which have been provided in previous PERs.

1.4.3 RRS SVE System Components

Eight RRSs were identified in the SOW as requiring remediation. A summary of these sub-sites and their associated SVE wells is provided as follows:

RRS		SVE Wells
1	Former Buildings 14/15	SVE-1, SVE-2, SVE-3, SVE-4 (TI Zone SVE Wells)
2	Former Buildings 16/17	
3	Former Building 18	
4	South Portion of Hangar 2	
5	Soils beneath West Lease USTs	SVE-5
6	Former Building 25 and Adjacent Soils	SVE-6
7	North and East Sides of Hangar 1	SVE-7
8	Hangar 1	

RRS Former Buildings 14/15, Former Buildings 16/17, Former Building 18, and South Portion of Hangar 2 are included for remediation with the fixed-base TI Zone SVE system, and are, therefore, included in the TI Zone SVE system (see Section 1.3.2). RRS soils beneath the West Lease USTs are associated with SVE well SVE-5. RRS Former Building 25 and Adjacent Soils are associated with SVE well SVE-6. RRSs North and East Sides of Hangar 1 and Hangar 1 are associated with SVE well SVE-7. RRS 5 is referred to as the RRS SVE-5 area, RRS 6 is referred to as the RRS SVE-6 area, and RRS 7 & 8 are collectively referred to as the RRS SVE-7 area in this report.

A semi-portable skid-mounted SVE and treatment system is used to remediate the four RRSs associated with SVE wells SVE-5, SVE-6, and SVE-7 in sequence, starting with the two sub-sites associated with SVE well SVE-7, and then followed by SVE-6 and then SVE-5. The major components of the RRS SVE system are as follows:

1. RRS SVE Tri-screened Well Pipe
2. KOP and with Transfer Pump
3. SVE Blower
4. SVE Heat Exchanger (Air-to-Air Cooler)
5. Vapor Phase Carbon treatment Unit
6. Condensate Collection Tank

A skid-mounted design was selected based on low influent concentrations and the expected short-term operation of the RRS SVE system at each of the RRSs. The skid-mounted treatment system has been relocated, with Agency approval, for extraction at the three sub-sites using a crane, as each of the RRS areas have been remediated to the SVE Remedy Performance Standard.

One SVE well has been installed at each of the RRSs based on the 100-foot radius of influence (ROI) determined in the Treatability Study. The Treatability Study 100-foot ROI is based on soil vapor extraction testing performed within the TI Zone and is the basis for the SVE TI Zone well spacing, and does not necessarily represent the same vadose

zone soil vapor flow conditions at each of the RRS areas. Each RRS SVE well is screened across three stratigraphic units (Units 2, 3 [the vadose zone], and Upper Unit 4 [the saturated subunit above the gravel subunit]).

The RRS KOP is used to collect entrained water from the extracted vadose zone air flow. The RRS KOP Transfer Pump transfers precipitated water from the KOP to the Condensate Collection Tank. The water from the Condensate Collection Tank has been periodically relocated to the EQ Tank at the treatment facility, as required. Design components are discussed in the 100% Design Report (CRA, 2004b).

Major components of the RRS SVE system are listed above, and the treatment process is discussed in detail in the updated O&M Manual (CRA, 2013b). Updated As-Built Drawings (April 2011) were provided in previous PERs and show the system layout. Minor changes to the RRS SVE system, which do not materially change the underlying design, operation of the remedies, or achievement of the Performance Standards, have been made since submittal of the 100% Design Report and O&M Manual. Changes to the system include miscellaneous process piping changes and replacement of the original rotary claw blower with a replacement blower (Elmo Rietschle, C VLR 500).

All changes to the system are shown on the As-Built Drawings which have been provided in previous PERs.

2. Revised CSM/Regional and Site Setting

An initial CSM was created in 1995 for the RI/FS Site within the TIAA Superfund Site as part of a RI/FS work plan completed by Daniel B. Stephens and Associates (DBS&A, 1995a). Subsequently, an interim revision of the initial CSM was prepared later that year and presented in Section 5.2 of the Preliminary Site Characterization Summary report (DBS&A, 1995b). These CSM versions are collectively considered to be the baseline Site CSM. The baseline Site CSM considered known and suspected COCs, locations of probable source areas, mechanisms of the timing of historical and potential releases, affected environmental media, contaminant distribution data, potential migration pathways, and potential receptors. The baseline Site CSM was periodically revised by DBS&A during the characterization CSM Stage of the RI, and was included in the RI report (DBS&A, 1996). The Site CSM was subsequently updated in 2004 to coincide with the RD and was included in the 100% Remedial Design Report (CRA, 2004a). Thereafter, annually through 2013, in PERs submitted to the Agencies, the baseline Site CSM was refined and updated as remediation and supplemental characterization work progressed at the Site. In August 2014, the Agencies and the SP began holding Technical Work Group meetings specifically for the purpose of resolving questions and technical differences related to the CSM. The CSM was revised in March 2023, August 2023 and finalized in February 2024 (GHD, 2024a), and incorporates the results of these Technical Work Group meetings and summarizes results from recent investigations of the SGZ Remedy and SVE Remedy.

Since the completion of the RI (based on the baseline Site CSM) numerous fundamental changes have occurred that have significantly affected the Site hydrogeology and were incorporated into the Revised CSM (GHD, 2024a). One significant hydrogeologic change is the rising RA groundwater elevations that have increased more than 20 feet since the 1996 RI. In addition, water level data indicates a continued upward trend in RA groundwater elevations. The Revised CSM (GHD, 2024a) documents the increase in RA groundwater elevations and describes the associated impacts to the Site. The Revised CSM also incorporated other relevant changes in conditions and findings from investigations conducted at the Site since completion of the previous CSMs. The Revised CSM provides the basis for understanding groundwater flow and contaminant migration pathways at the Site and a basic understanding of the vadose zone in the areas of the SVE wells. The Revised CSM was submitted to the Agencies for final approval on February 4, 2024. A summary of the Revised CSM is presented in the following subsections. Please refer to the Revised CSM (GHD, 2024a) for additional details.

2.1 Site Setting

The TIAA Superfund Site is approximately 5 square miles and located within the Tucson Basin in southeastern Arizona. The Tucson Basin is approximately 10 to 20 miles wide from east to west and approximately 50 miles long.

The overall topography of the Site is generally flat and gently slopes toward the west-northwest. Surface elevations at the Site range from approximately 2,556 feet above mean sea level (ft AMSL) at the Three Hangars Building, to approximately 2,546 ft AMSL at the Off-Airport Property extraction well locations.

The nearest surface water body, the Santa Cruz River, located on the west side of the Tucson Basin, drains the basin toward the northwest (Graham et al., 1997). The Santa Cruz River and its tributaries are dry most of the year, and infiltration is the primary source of water to the aquifers below.

2.2 Geologic and Hydrogeologic Framework

2.2.1 Regional Geology and Hydrogeology

The Tucson Basin is a broad, down-faulted, sediment-filled depression surrounded by mountains (Graham et al., 1997). The area was shaped by regional faulting and uplift resulting in the deposition of thousands of feet of erosional basin fill material. Approximately 2,000 feet of basin fill material exists in the center of the basin (Anderson, 1987). The basin fill was deposited from the surrounding mountain ranges as alluvial fans, derived from the Rincon Mountains to the east and Santa Rita Mountains to the south. Most of the basin is occupied by a large alluvial fan called the Cienega Creek fan, which is upper Pliocene to lower Pleistocene in age (Houser et al., 2005). The basin fill is subdivided into three formations consisting of, from oldest to youngest: the Pantano Formation, the Tinaja Beds, and the Fort Lowell Formation (Anderson, 1987). However, the U.S. Geological Survey (USGS) has designated the upper 6,000 feet as the more informal Upper and Lower Basin Fill, which includes the Tinaja Beds and Fort Lowell Formation (Houser et al., 2004). For the purposes of this report, the Upper Basin Fill includes all the relevant hydrostratigraphic units.

The regional groundwater system consists of two subbasins, the Avra Valley Sub-basin and the Upper Santa Cruz Sub-basin, which includes TIAA. The RA system consists of Upper and Lower Basin Fill sediments, the Pantano Formation, deeper systems, and Tertiary sedimentary and volcanic rocks (Mason and Hipke, 2013). The Upper Basin Fill is the primary regional groundwater source and represents approximately the upper 3,000 feet of sediment. The RA is comprised of semi-consolidated to unconsolidated sand and gravel layers interbedded with thin, discontinuous clay and silt layers. Groundwater flow in the RA is generally toward the northwest (Graham et al., 1997). Isolated and bounded water-bearing units within the surficial stream alluvium have been identified as the SGZ (Graham et al., 1997)

In the area to the north and south of the Site, the RA is separated into upper and lower units of the divided aquifer. North of the Site, the upper unit and lower unit merge into the undifferentiated RA (Clear Creek Associates, 2003; Malcolm Pirnie, 2011). The groundwater within the RA generally flows to the northwest (DBS&A, 1996; Malcolm Pirnie, 2009; 2010; 2011; 2013). Near the Site, the RA is divided into an upper unit (the "upper RA") and a lower unit (the "lower RA") that are separated by an aquitard. The upper RA typically consists of a heterogeneous mixture of sand, gravel, and clay, though the sediments show trends in grain size, tending to be coarsest in the western and northern portions of the Site.

2.2.2 Local Geology

Generally, the On-Airport portions of the Site are underlain by Cienega Creek alluvial fan deposits that comprise Unit A of the Upper Basin Fill (Houser et al., 2004). These deposits were deposited in the distal portion of the alluvial fan and can vary in grain size but are predominately fine-grained sediments. These fan deposits are dissected by laterally and vertically discontinuous paleochannels representing a former high-energy, episodic braided stream environment containing coarser-grained sediments of limited extent. Off-Airport, inactive alluvial fan and terrace deposits exist, and the terrace deposits would have dissected across the alluvial fan toe (Pearthree et al., 1988). Terrace deposits would be associated with the ancestral Santa Cruz River.

Site-specific geology has been defined through extensive subsurface investigations of the Site. The 1995 Preliminary Site Characterization Summary by DBS&A identified four distinct stratigraphic units known as Units 1 through Unit 4.

These four units were identified based on both lithology and secondary cementation. Since 1995, additional investigations have developed a more refined understanding of unit thicknesses and the continuity (or lack thereof) of unit distributions across the Site. The four units include Units 1, 2, 3 and 4. Unit 4 is further divided into the Upper Unit 4 Clay, the GSU, and Lower Unit 4 Clay.

Regional Stratigraphic Unit	Site Stratigraphic Unit	Description
Upper Basin Fill (Young Alluvium)	Unit 1	Unconsolidated silt or gravelly sand
	Unit 2	Consolidated layer of calcified silty fine sand
	Unit 3	Unconsolidated layer of well to poorly sorted silty and gravelly sand
	Unit 4 – Upper	Plastic clay
	Unit 4 – GSU	Variable mixture of sand and gravel with variable amounts of silt and clay
	Unit 4 – Lower	Plastic clay
Upper Basin Fill	Upper Basin Fill (aka Fort Lowell Formation)	Unconsolidated silty gravels with sand and clay

Unit 1 consists of approximately 10 to 15 feet of unconsolidated silt, sand, and silty sand, with variable interbeds of slightly plastic clay, clayey sand, and gravel or gravelly sand immediately below the surface. Unit 2 is readily identifiable as a series of alluvial interbeds that have undergone secondary cementation with calcium carbonate to form a semi-consolidated to consolidated layer of pinkish caliche consisting of slightly to highly cemented clay, silt, sand, and gravel that extends approximately 35 to 40 feet thick. Unit 3 consists of a series of alluvial sediments that are immediately beneath the Unit 2 caliche. Unit 3 is described as a well to poorly-sorted silty and gravelly sand with a discontinuous, slightly plastic clay unit that is present throughout most of the Site. This clay is typically underlain by a relatively permeable basal sand and gravel unit that varies in thickness.

The principal stratigraphic unit with respect to the SGZ Remedy is Unit 4. Unit 4 is a primarily clay-rich deposit, and potentially a terrace or closed basin deposit. Unit 4 is not a basin-wide deposit, but a localized deposit of limited extent. Unit 4 is typically encountered at the Airport Property at an elevation between 2,460 and 2,400 ft AMSL but is absent approximately 1,500 feet west of the Airport Property. The Unit 4 lithology reflects a period of overall low energy, fluvial deposition of finer-grained sediments (silt and clay) with minor interspersed sand and gravel. These fine-grained Unit 4 fluvial deposits formed the basal confining layer.

During the deposition of the fine-grained Unit 4 sediments there were also periods of higher energy fluvial activity, dissecting the fine-grained alluvial fan sediments and laying down east to west trending sand and gravel deposits. These braided stream deposits are identified as the GSU. Multiple sand/gravel deposits are observed within the Unit 4 Clay at certain boring locations, indicating periodic high energy depositional events.

The braided stream deposits consist of sands and gravels presumably with poor bedding features, and well logs indicate that braided stream channel deposits abruptly vary between coarse gravel and silty sediments, reflecting episodic climatic activity along with the lateral migration common in braided stream environments. The coarsening-upward sequences reflect channel bar migration within the braided stream channel. This was succeeded by another period of low energy deposition that buried these braided stream channels with fine-grained sediments.

The Upper and Lower Unit 4 Clay deposits act as low permeability barriers to horizontal and vertical groundwater flow. These coarser-grained GSU deposits, and particularly the higher-permeability channel fill deposits, represent the primary pathway for groundwater flow and contaminant transport. The somewhat less permeable sand deposits also provide a pathway for contaminant transport within the SGZ, although with a lower groundwater flow velocity and limited horizontal migration.

Unit 4 has been divided into three subunits: an Upper Unit 4 Clay, a variably-interbedded GSU, and a Lower Unit 4 Clay. Where the GSU is absent, Unit 4 is undivided. Overall, Unit 4 appears from approximately 80 ft below ground surface (bgs) to 160 ft bgs and consists of a distinctive strong brown, slightly-plastic to highly plastic clay with little to

trace deposits of gravel, sand, and silt. Because Unit 4 is the predominant geologic unit associated with the SGZ and SVE Remedies, it is discussed in more detail below.

Upper Unit 4 Clay

The Upper Unit 4 Clay is classified as a plastic clay that is typically encountered at depths ranging from 80 to 100 ft bgs, with occasional gravel interbeds near the top of the subunit (DBS&A, 1996). The Upper Unit 4 Clay acts as a low-permeability barrier for horizontal and vertical flow.

Based on boring log data for the Airport Property, the thickness of the Upper Unit 4 Clay ranges from 10 to 23 feet. The clay contains stringers of interbedded more-permeable sands and silt throughout its thickness, along with trace amounts of gravel. The Upper Unit 4 Clay is present beneath the entire On-Airport portions of the Airport Property. The more permeable sands and silts in the Upper Unit 4 Clay are not laterally continuous. Where these more permeable seams exist, they can act as vertical migration pathways to the GSU. In addition, the Upper Unit 4 Clay has hydrogeological connections in some areas with the underlying GSU, where the GSU is under confining pressure from the Upper Unit 4 Clay and recharges the SGZ when water levels rise.

GSU

The GSU is not vertically or laterally continuous at the Site, but when present it is considered a distinct subunit within the Unit 4 Clay. The GSU consists of channelized more permeable coarse-grained materials formerly deposited as axial east-west stream deposits. The GSU lithology and geometry are characteristic of buried braided stream channels (i.e., paleochannels) consisting primarily of poorly bedded sand and gravel with varying amounts of silt and clay. The GSU, defined as being bound by the Upper and Lower Unit 4 Clay, includes all sand or gravel material ranging from clayey sand to well-sorted gravel, and is vertically and laterally discontinuous (CRA, 2004a). In general, the GSU thickness ranges from 0.5 to 16 feet (excluding interbedded clays and/or silt seams) and is found at an approximate depth of 110 to 135 ft bgs. The current GSU delineation is based on the inclusion of all coarser-grained materials (greater than 50 percent sand and gravel), as opposed to only clean sands and gravels (i.e., including silty and clayey sands and gravels). Given the episodic nature of their deposition, the various GSU paleochannels exist at varied elevations across the Site, may include multiple layered deposits, and are vertically and laterally discontinuous. Predominate COC horizontal migration occurs in the GSU more-permeable layers that are thickest, but it is not continuous below the Airport Property.

Lower Unit 4 Clay

Beneath the GSU is the Lower Unit 4 Clay, which is a plastic clay varying in thickness from a maximum inferred thickness of 35 feet beneath portions of the TI Zone.

The Lower Unit 4 Clay thins out to approximately 4 feet in the vicinity of well S-37 (west area of Off-Airport Property). Where distinguishable from the Upper Unit 4 Clay, the Lower Unit 4 Clay is found beneath On-and Off-Airport portions of the Site. Where the GSU is absent, the Lower Unit 4 Clay and Upper Unit 4 Clay are contiguous. The Lower Unit 4 Clay acts as a confining layer (aquitard) that overlies the Fort Lowell Formation which includes the RA. The sediments that comprise the Fort Lowell Formation are encountered at depths ranging from 135 to 160 feet bgs and consist of silty gravels with sand and clay that range in thickness from 300 to 400 feet basin-wide (Davidson, 1973).

Relationship between Stratigraphic Units

The relationship among the Site stratigraphic units is shown on **Figure 2.2**. **Figure 2.3** shows the locations of four cross-sections that were constructed to provide a depiction of the vertical and horizontal subsurface geology of the Site and are presented on **Figures 2.4** (A-A') through **2.7** (D-D'). Due to the density of wells in certain locations such as in the TI Zone, not all soil borings/wells are included in the cross-sections and nearby wells have been projected onto the cross-section from various distances. The wells shown were selected based on the level of stratigraphic detail in the well logs, depth of boring (i.e., deeper wells were chosen over shallower wells), and proximity to the cross-section line, to limit projection of data. Refer to **Table 2.1** for well unit designations and construction details.

Figure 2.8 (GSU thickness map), **Figure 2.4** (cross-section A-A'), and **Figure 2.7** (cross-section D-D') depict the GSU is present beneath the TI Zone at thicknesses of 1.5 to 15 feet. This significant portion of the GSU represents the primary east-west paleochannel providing contaminant transport from the TI Zone, with the thickest portion located along the western Airport Property boundary in the vicinity of EW-1. Because the GSU is a fluvial braided stream deposit, the primary paleochannel likely has confluences with secondary braided stream channels (i.e., historical tributaries and associated stratigraphic deposits), which may explain the increased thickness at EW-1.

The primary paleochannel is bounded, both laterally and vertically, by fine-grained sediments to the north and south of the TI Zone and includes a fine-grained area in the TI Zone (**Figure 2.5** [cross-section B-B'] and **Figure 2.7** [cross-section D-D']). In areas beneath the Site, secondary paleochannels that were either tributaries to the primary paleochannel, or smaller independent intersecting paleochannels are present. The stratigraphic interval that contains the primary paleochannel also likely contains other discontinuous paleochannel segments that are truncated and anastomosing.

Additionally, although thinner, GSU paleochannels have been identified to the north and northwest of EW-1; north and northwest monitoring wells CRA-10, and S-26, respectively. The area around and north of monitoring well CRA-34D and soil borings CRA-54 and CRA-55 likely represent a secondary paleochannel or truncated paleochannel that is directly or partially hydraulically connected to the primary paleochannel. West of groundwater monitoring well CRA-34D, at CRA-67D, an approximately 8.5-foot thick GSU unit is located approximately 10 feet lower in elevation compared to nearby monitoring wells. Therefore, this GSU likely represents an older paleochannel.

Additional secondary GSU paleochannels were identified to the south of EW-1, in the West End of Runway 3 (WER3) and S-17 Area at monitoring wells EW-3, CRA-38D, CRA-39D, MWR-1, and CRA-23, but at different elevations. These portions of the GSU likely represent additional and separate paleochannels of varying age. The presence of multiple paleochannels within Unit 4 reflects a period of episodic climatic events resulting in the development of numerous braided stream channels as part of the Cienega Creek alluvial fan development.

To the west of extraction well EW-1 and Off-Airport Property, the GSU extends southwesterly towards EW-4 and S-38. West of S-38, the GSU enters a transition zone, where it is no longer a distinct hydrostratigraphic unit, and merges with the RA (Fort Lowell Formation) (**Figure 2.8** [GSU Thickness Map] and **Figure 2.4** [Cross-Section A-A']).

2.2.3 Local Hydrogeology

2.2.3.1 Regional Influences on the Airport Property

As discussed in the RI Report (DBS&A, 1996), the elevation of the water table in the upper RA began declining in the 1940s in response to pumping of water supply wells throughout the basin. This historical decline is well documented in several water supply and modeling reports, including Schmidt (1985) and Mock et al. (1985).

Near the Site, the water table in the upper RA declined at a rate of approximately 1.4 feet per year between 1940 and 1980 for an overall decline of over 55 feet. Starting about 1965, the regional water table fell below the top of Unit 4 Clay in the vicinity of monitoring well S-19. The combination of declining water levels and the presence of the Unit 4 Clay, acting as an aquitard, lead to the development of the SGZ, as identified by the Arizona Department of Water Resources (ADWR) (Mason and Bota, 2006). However, the water decline rate in the upper RA slowed considerably since 1982, because nearby city water supply wells were shut down in 1981 due to the discovery of TCE in the RA (Mock et al., 1985). In addition, the area surrounding the Site within the Tucson Basin has several groundwater treatment, recharge, and reinjection facilities that influence the local and regional groundwater elevations in the Site area. Since approximately 2009, these combined influences have reversed the historical groundwater decline and are raising the RA groundwater elevation.

Several other influences were identified by ADEQ at the 2009 Technical Exchange meeting (ADEQ, 2009). These influences are listed, and several are briefly described below.

- Pima Mine Road Recharge Project (PMRRP)
- City of Tucson (COT) Santa Cruz Well Field (Tucson Water)

– ASARCO Mission Complex
– Farmers Investment Corporation (FICO)
– San Xavier District (SXD)/Central Arizona Project (CAP) Recharge
– AFP44 Groundwater Treatment Facility
– Tucson Airport Remediation Project (TARP)

2.2.3.1.1 AFP44 Groundwater Treatment Facility

AFP44 is located south of Los Reales Road, east of Nogales Highway, and directly south of the Airport Property. A large groundwater remediation system has been in place and operating at that site since 1987 and includes 43 upper zone RA extraction wells, 4 lower zone RA extraction wells, and 26 reinjection wells.

The upper zone RA wells at AFP44 are stratigraphically equivalent to the Airport Property RA wells, and operation and shutdowns of AFP44 are observed to affect groundwater levels in the SGZ, GSU, and RA. The AFP44 extraction wells closest to the SGZ Remedy include E-5, E-7, E-8, and E-09 (formerly also known as reinjection well R-23, and now E-09R). The AFP44 injection wells closest to the SGZ Remedy/TI Zone include R-2, R-3, R-4, and R-5. These AFP44 extraction and reinjection wells are screened in the RA, but the filter sand packs extend to within 50 feet of the ground surface across both the SGZ and GSU. Thus, the following two potential scenarios exist, which contribute to the rise in groundwater elevations at select Site SGZ and GSU monitoring wells:

– During AFP44 shutdowns, RA groundwater enters the SGZ and GSU by preferential pathway through the well sand pack (if RA groundwater elevation is high enough).
– When AFP44's treatment system is operating, a portion of treated groundwater is injected into the SGZ and GSU due to the length of the re-injection well screens and sand packs extending into these units.

Groundwater level data throughout the Site show a consistent rise during the AFP44 shutdowns.

2.2.3.1.2 Other Regional Influences

Other influences on regional groundwater elevations include the TARP, PMRRP, the COT Santa Cruz Well Field (Tucson Water), ASARCO Mission Complex, FICO, TARP, and the SXD/CAP Recharge. These other sources contribute less of an impact to regional groundwater elevations than that of AFP44.

TARP is a groundwater remediation facility located approximately 3 miles downgradient of the Airport Property that extracts and treats RA groundwater. Treated TARP groundwater has been delivered to both the Santa Cruz River and the Recycled Water System wet well. Although TARP extracts groundwater from the RA, its downgradient distance (3 miles) and extraction volumes indicate that its operation does not measurably influence the SGZ remedy at the Airport Property.

The PMRRP is a direct recharge project of Colorado River water and commenced operation in 1998. The facility was designed to accommodate recharge of 30,000 acre-feet per year. Based on data provided by ADWR, more than 500,000 acre-feet of water has already been returned to the RA since the facility's initial construction and start up more than 20 years ago. These recharge activities continue through the present time and have no expected shutdown date. According to data published by the USGS, RA water levels have risen by approximately 100 feet around the recharge project site and approximately 20 to 40 feet within a mile of the Airport Property (Tillman et. al, 2007). RA wells surrounding the Airport Property show steadily rising groundwater elevations following PMRRP recharge activities. These rising elevations are mostly attributed to PMRRP reinjections, but there are other contributing influences such as the COT Santa Cruz Well Field (Tucson Water), ASARCO Mission Complex, FICO, and the SXD/CAP Recharge.

2.2.4 Environmental Sequence Stratigraphy

As part of the Revised CSM (GHD, 2024a), an Environmental Sequence Stratigraphy was prepared at the request of the EPA. The findings of the Environmental Sequence Stratigraphy are as follows.

Sediments beneath the Site are primarily derived from the Cienega Creek Fan and the Paleo Santa Cruz River terrace deposits. The Cienega Creek Fan deposits include distal alluvial fan deposits, which result from a variety of depositional processes, including braided streams, sheet floods, and debris flows. Terrace deposits associated with the Paleo Santa Cruz River are a product of the deposition resulting from river meandering and overflow flooding.

Dissecting braided stream deposits exist within the distal alluvial fan sediments and are the product of high energy environments occurring during episodic heavy precipitation or snow melt events. A variety of sediment facies exist within the braided stream alluvium, ranging from longitudinal to transverse bars deposited in active stream channels to low energy deposits in abandoned channels and along the channel periphery. The channel bar deposits are typical poorly sorted gravels and sands and can show an overall coarsening-upward sequence resulting from downstream bar migration.

The loci of deposition within braided streams may frequently exhibit abrupt lateral shift, resulting in poorly bedded sediments. Such lateral shift may extend for short distances of a few meters and can form tributaries or secondary channels, which may become isolated and abandoned and fill with finer-grained fluvial sediment. An overall effect of this situation is the formation of a complex geologic system varying horizontally and vertically, with an assortment of different grain sizes ranging from cobbles within the primary channels to silty and clayey deposits along the stream edges and abandoned channels. These lower energy deposits may show some degree of sorting and stratification with sand to sandy clay matrix.

Along with the Cienega Creek Fan deposits are the Paleo Santa Cruz River deposits. Over time, the Santa Cruz River has migrated westward due to depositional advancement from the Cienega Creek Fan. This dynamic interaction caused the Paleo Santa Cruz River to incise the alluvial fan toe. This toe erosion caused reworking of the alluvial sediments, and during periods of substantial precipitation fine-grained terrace deposits are likely to have resulted from bank overflow. This interaction between the Paleo Santa Cruz and Cienega Creek Fan deposits adds to the physical complexity of these deposits.

2.2.5 Site Hydrogeologic Units

2.2.5.1 SGZ

The SGZ is defined in the CD for soil as follows:

"…hydrostatic unit overlying the RA which consists predominately of saturated, fine grained clay and silt sediment interbedded with thin, generally discontinuous lenses of sand or other coarse-grained material. The upper boundary of the SGZ is located approximately 2,460 feet AMSL and the approximate lower boundary of the SGZ extends to the top of the RA."

The SGZ is a general term referring to the first water-bearing unit encountered above the RA. The GSU is an integrated component of the SGZ aquifer system, rather than a distinct aquifer, and so the SGZ includes groundwater both within the Upper Unit 4 Clay and the underlying GSU, where present. Shallowest SGZ groundwater has historically been encountered in the Upper Unit 4 Clay at elevations between approximately 2,464 ft AMSL and 2,454 ft AMSL at the Airport Property (DBS&A, 1996; CRA, 2007b).

Following the May 2007 Baseline groundwater monitoring event, groundwater contours were prepared for wells completed in the Unit 4 Clay and are provided in Appendix A of the Baseline Groundwater and Soil Vapor Monitoring Report (CRA, 2007d). The Baseline SGZ groundwater contours indicated groundwater flow in a west-northwest direction, which was consistent with previous interpretations from the RI and ROD.

Historical SGZ groundwater contour maps for the periods from 2007 through 2021 have been included in Appendix B of the Revised Conceptual Site Model (GHD, 2024a). The generalized groundwater flow directions have remained in an approximately west-northwest direction, consistent with the Baseline and RI. Localized flow changes have been noted in the areas of the SGZ Remedy extractions wells, but even as water levels have risen between 2007 and 2021, the generalized flow direction in the SGZ has remained relatively consistent.

Groundwater flows at a low velocity within the Upper Unit 4 Clay. Based on a geometric mean hydraulic conductivity value of 7 x 10^{-6} feet per second (ft/sec) (DBS&A, 1996), a 2007 Baseline hydraulic gradient of 0.007 feet per feet (ft/ft), and an assumed effective porosity of 0.2, the estimated linear groundwater flow velocity is 2.3 x 10^{-7} feet/sec, or 7 feet per year (ft/yr). Given this low linear velocity, horizontal groundwater transport within the Upper Unit 4 Clay is considered insignificant. Additionally, based on these hydraulic properties the Upper Unit 4 Clay is considered a leaky aquitard, and when RA water levels were lower, vertical hydraulic gradients were more pronounced, and the Upper Unit 4 groundwater vertically drained into the underlying more permeable GSU.

2.2.5.1.1 Development of the SGZ

As discussed in the RI (DBS&A, 1996) and the 100% Design Report (CRA, 2004b), the SGZ developed as the RA water table elevation declined in response to regional groundwater extraction from the 1940s to the 1980s (DBS&A, 1996). DBS&A created three sets of time series block diagrams depicting the development of the SGZ during the 1950s, the 1970s, and the 1980s, respectively. As part of the Revised CSM, GHD updated these block diagrams to include the period 2021 (refer to **Figure 2.9**). In the early 1940s the RA water table was approximately 40 ft bgs, with a groundwater flow direction to the north-northwest. From approximately 1950 to 1970, the RA water table continued to drop while the groundwater flow direction became more westerly to northwesterly, and the saturated Unit 3 sediments comprised the upper portion of the RA. The RA water table continued to decline at an average rate of 1.4 ft/yr, and by the 1980s had declined by more than 55 feet compared to the 1940s baseline. The result of this significant decline in RA water levels over the period, combined with the relatively slower drainage of the Unit 4 Clay, was the formation of the SGZ; considered to be a remnant aquifer unit during the late 1960s and 1970s (DBS&A, 1996).

During the RI, the SPs postulated it may be possible to actively dewater the SGZ considering its limited areal extent, characteristic lithology, and presumed limited groundwater recharge. SGZ groundwater extraction and treatment was initiated in 2007, and while SGZ groundwater levels initially declined over time, the SGZ groundwater treatment system has not dewatered the SGZ to the degree initially predicted, and the SGZ has remained saturated. This observation indicates an ongoing source of recharge to the SGZ from the GSU. The changes implemented to the Tucson Basin Management Plan in conjunction with the other regional influences discussed in Section 2.2.3.1 above, have reversed region wide groundwater level declines, and reversed the decline in SGZ water levels initially observed following system startup. In fact, most of the monitoring wells located outside of the ROI of SGZ Remedy pumping exhibit water levels that are close to, and in many cases several feet higher than, water levels that existed pre-Remedy.

The principal recharge source to the SGZ is likely upgradient (east and southeast) of the SGZ and where Unit 4 may be thin and/or not present. Dating back to the 1940s, 1950s, etc., the RA groundwater elevation underneath the Airport Property was higher than the Lower Unit 4 Clay elevation. Upgradient of the Airport Property, the RA groundwater elevation was also higher than the Unit 4 groundwater elevation. As the RA groundwater elevations decreased and met Unit 4, a portion of RA groundwater recharged the less permeable SGZ, with the remaining portion flowing downgradient below the Lower Unit 4 Clay, which acts as a confining aquitard. At the time the SGZ treatment system was designed, the RA groundwater elevation was several feet below the SGZ. Hence, the dewatering of the SGZ was a possibility. Based on water level data collected from Site monitoring wells, the RA began recharging portions of the SGZ and GSU in 2011/2012 due to the continued and significant rise of RA groundwater elevation.

Since artificial recharge of RA groundwater began in approximately 1998 (see Section 2.2.3.1), RA groundwater levels have reversed their decline and now show an upward trend. For example, at RA monitoring well D-1, groundwater elevations increased at a rate of approximately 0.79 ft/yr between August 1994 and February 2023 (a total increase of 23.71 feet), reaching the highest elevation recorded at this well in August 2023 (2,472.99 ft AMSL). In addition, groundwater elevations recorded at Site SGZ and GSU monitoring wells increased significantly between 2012 and 2024, with approximately half of these wells exhibiting groundwater elevations that are higher than their respective pre-Remedy elevations.

2.2.5.2 GSU

The GSU is considered a distinct water-bearing unit within the SGZ hydrostratigraphic unit due to the large contrast in lithology and hydraulic conductivity between sand and gravel-rich GSU and the bounding Unit 4 Clay (Upper and Lower). Because the GSU exists as a series of loosely connected or disconnected buried braided stream channels within Unit 4 Clay, it behaves as a partially-bound subset of the SGZ aquifer system. Although the SGZ aquifer includes both the Upper Unit 4 Clay and the GSU (where present), many Site monitoring wells were screened only in the Upper Unit 4 Clay (identified as SGZ wells) or only across the GSU (identified as GSU wells). In addition, a portion of Site monitoring wells are screened and/or sand-packed across multiple stratigraphic units, for example:

- SVE-2D - Screened and/or sand-packed in Upper Unit 4 Clay and GSU (designated as a GSU well)
- EW-5 - Screened and/or sand-packed in GSU and Lower Unit 4 Clay (designated as a GSU well)
- S-2 - Screened and/or sand-packed in Upper Unit 4 Clay, GSU, and Lower Unit 4 Clay (designated as a GSU well)
- S-14 - Screened and/or sand-packed in Unit 3 and Upper Unit 4 Clay (designated as an SGZ well).

Regardless of the lithologic differences, the SGZ and GSU do not behave as two well-defined, distinct hydrogeologic units. Instead, they behave as a series of interconnected or partially connected channels that are under varying degrees of pressure or confinement, resulting in similar water level expressions in many SGZ and GSU monitoring wells. The GSU is hydraulically connected to the SGZ such that they both respond to changes in pressure, such as groundwater pumping. Overall, monitoring wells in the SGZ and GSU exhibit a similar hydraulic response to SGZ Remedy pumping because the GSU is hydraulically connected to the SGZ. In addition, both units exhibit a hydraulic connection to the RA, as shown by the water level pressure transducer data, such as when the AFP44 turns their system on and off. The magnitude of the hydraulic connection to the RA is stronger along the periphery of the SGZ and GSU where it is not strongly influenced by the SGZ Remedy. However, as the RA groundwater levels continue to rise, their influence on the SGZ and GSU is enhanced.

The Baseline groundwater contours show that GSU groundwater flows in a westerly direction with localized northwesterly and southwesterly flow components in the southern and northern portions of the Site, respectively. The westerly flow direction follows the principal orientation of the primary paleochannel, while the northwesterly and southwesterly flow orientations likely represent the localized directions of secondary paleochannel orientations towards the primary paleochannel. The GSU Baseline flow pattern is consistent with previous interpretations presented in the RI and ROD.

Prior to commencement of the SGZ Remedy groundwater extraction in 2007, water levels within monitoring wells screened across the GSU were typically 1 foot lower than in monitoring wells screened across the Upper Unit 4 Clay, indicating a downward flow component. However, during the last several years, the difference in water elevations between the SGZ and GSU monitoring wells has become more variable, both geographically and temporally. The historic water level figures from 2007 to 2021 are included in Appendix B of the Revised CSM (GHD, 2024a). This variability demonstrates the complex relationship between the GSU paleochannels, the finer-grained water-bearing portions of the Upper Unit 4 Clay that constitute the SGZ, and the recognized influence of the RA. The changing variability in the relationships between the SGZ and GSU suggests they exist under locally confined and partially-confined conditions and interact through pressure differences due to groundwater extraction and influence from the RA.

Because the GSU is more transmissive, pumping the GSU generally increased the downward vertical hydraulic gradient from the SGZ to the GSU. However, vertical gradients between the SGZ and GSU (between 2007 and 2021) have reversed at many locations or have significantly diminished (discussed below). The GSU acted as an underdrain for the overlying SGZ, facilitating the drainage of water and contaminants from the SGZ (as surmised in the ROD), and was a fundamental design concept for remediating the SGZ. However, this drainage effect began to diminish in approximately 2012 as groundwater elevations rose that flattened or reversed vertical groundwater gradients between the SGZ and GSU, mostly in the western portion of the Off-Airport Property.

The GSU hydraulic conductivity, as determined from numerous single-well response tests, varies from 8×10^{-3} to 5×10^{-5} ft/sec, with an average value of 1×10^{-3} ft/sec. Multiplying this hydraulic conductivity value by a Baseline GSU

hydraulic gradient of 0.007 ft/ft (within the primary paleochannel), and an assumed effective porosity of 0.2, the corresponding linear groundwater flow velocity ranges from 2.8 x 10^{-4} to 1.8 x 10^{-6} ft/sec, or 8,800 to 55 ft/yr. As noted, groundwater flow rates within the GSU can be quite variable and reflect the diversified lithology that ranges from silty sand to poorly sorted gravel. Overall, the GSU groundwater flow velocity is one to three orders of magnitude greater than the SGZ linear groundwater flow velocity.

Beneath the GSU, the Lower Unit 4 Clay is an aquitard due to its low vertical hydraulic conductivity (3.3 x 10^{-7} ft/sec [DBS&A, 1996]) and the previously strong vertical downward hydraulic gradient of 0.3 ft/ft across this unit (CRA, 2004a). However, starting around 2012, the magnitude of the downward vertical hydraulic gradient has decreased or even reversed itself across the Lower Unit 4 Clay as the RA water levels continue to rise.

2.2.5.3 Transition Zone

The transition zone was originally identified during the RI (DBS&A, 1996) and thought to exist predominantly in the Off-Airport portions of the Site. Geologically, the transition zone is interpreted to be the result of a younger Paleo Santa Cruz fluvial channel that eroded and reworked the older Cienega Creek alluvial fan toe deposits associated with the SGZ and GSU. This fluvial intrusion infilled the area with coarse-grained material (Clear Creek Associates, 2003). This younger channel is a higher-transmissivity zone that exists west of the Airport Property, extending north and south of Airport Property (Clear Creek Associates, 2003), where stratigraphic deposits associated with the SGZ and GSU grade into the RA.

The approximate transition zone location was based on data collected during the pre-design investigations (CRA, 2004a). By 2013, the transition zone location was re-interpreted based solely from a hydrogeologic component. The revised interpretation resulted from an ongoing evaluation of hydraulic data collected as part of the SGZ Remedy performance monitoring combined with additional groundwater investigations performed in the S-17 and WER3 Areas. However, the area of interconnection between the RA and SGZ/GSU has likely broadened due to the continued increasing water level changes observed since 2008. Consequently, the transition zone is now recognized as an “area” of dynamic interaction between differing groundwater flow systems, rather than simply a line of demarcation beyond which the SGZ and GSU no longer exists. The predominant current hydrogeologic condition in this “area” is the flooding of the SGZ/GSU zones by rising RA water levels where the Lower Unit 4 Clay is not present.

Due to the connected coarse-grained GSU deposits that provide preferred pathways for groundwater flow, a small volume of groundwater mixes with the RA both within and west of the transition zone. However, the volumetric fluxes from these GSU deposits are small compared to the RA volumetric flux given the reduced cross-sectional areas of these paleochannels. Therefore, their hydraulic impact to the RA based on volumetric contribution is minimal at best.

Within the transition zone, water levels respond to both the SGZ Remedy and other effects in the RA, such as AFP44 pumping, as evidenced by water level pressure transducer responses in monitoring wells. While there is a fundamental geologic component to how the transition zone is defined (i.e., fluvial deposits crosscutting alluvial deposits), there is also a fundamental hydrogeologic component to its definition (i.e., interconnecting hydrostratigraphic units of the SGZ/GSU with the RA).

2.2.5.4 RA

In the area of the Site, the RA is confined by the Unit 4 Clay, which acts as an aquitard in the On-and Off-Airport portions of the Site, east of a transition zone (Malcolm Pirnie, 2011). The RA is divided into an upper zone and lower zone, which are separated by a clayey aquitard (URS, 2017, 2019, 2020). The protection of the upper zone of the RA is a primary goal for the remediation of the Site. Groundwater flow in the RA is towards the northwest with a regional average hydraulic gradient of 0.003 ft/ft. The RA has a hydraulic conductivity ranging from 10^{-4} to 10^{-1} feet per minute (DBS&A, 1996). This equates to the upper RA’s linear flow velocity ranging from 0.2 to 157 ft/yr around the Site.

2.2.6 Rising RA Groundwater Levels

DBS&A stated in the 1996 RI report that for all monitoring well clusters (wells D-1/S-4, D-2/S-9, D- 3/S-6, D-4/S-20, and D-5/S-18), the groundwater levels in the upper RA wells were consistently 20 feet lower than the groundwater

levels in the adjacent wells screened in the SGZ. DBS&A relied, in part, on this fact to conclude that the SGZ is a separate and distinct hydrogeologic unit from the RA.

The table below compares historical water level differences with the water level differences in August 2025. Well pairs D-6/S-21, D-7/S-24, D-8/S-24, D-9/S-19, and MWR-2/CRA-18 are also included below because these RA wells were installed after completion of the 1996 RI report. Comparison of these data highlight the significant groundwater level differences under current conditions

Well Pair	SGZ Elevation Minus Regional Aquifer Elevation		Net Increase	Location
	Earlier (Date)	August 2025		
D-5/S-18	13.39 feet (12/01/95)	-3.20 feet	16.59 feet	Northwest of TI Zone
D-2/S-9	15.68 feet (12/01/95)	-0.66 feet	16.34 feet	West of TI Zone
D-8/S-24	9.68 feet (11/24/98)	S-24 not accessible	NA	West of Nogales Hwy.
D-7/S-24	10.07 feet (11/24/98)	S-24 not accessible	NA	West of Nogales Hwy.
D-9/S-19	15.58 feet (11/1/02)	0.33 feet	15.25 feet	Northwest of TI Zone
D-1/S-4	21.69 feet (12/01/95)	3.13 feet	18.56 feet	Southwest of TI Zone
D-6/S-1	17.13 feet (12/01/95)	3.56 feet	13.57 feet	West of Nogales Hwy.
MWR-2/CRA-18	4.26 feet (10/22/05)	3.31 feet	0.95 feet	WER3
D-4/S-20	21.18 feet (12/01/95)	3.59 feet	17.59 feet	North of TI Zone
D-3/S-6	24.45 feet (12/01/95)	5.66 feet	18.79 feet	Southeast of TI Zone

2.2.7 Contaminant Distribution and Fate and Transport

Since the RI, the RA water levels have risen more than 20 feet and continue to rise (refer to Section 2.2.6). As discussed in Section 2.2.5.2 of the Revised CSM (GHD, 2024a), vertical gradients have reversed from downward to upward at several Airport Property SGZ and GSU monitoring wells, which suggests a significant reduction of downward aqueous transport is occurring at the Site. The SGZ includes two major lithologic components that control contaminant transport: the Unit 4 Clay and GSU. Because one of the primary goals of the RI/FS process for the TIA Site was to mitigate impacts to the upper RA, transport in each of these units is discussed separately with respect to potential impacts to the RA. As a result, this section focuses on the Unit 4 Clay. The historical distribution of contamination within the SGZ was shown on Figures 4-26 through 4-32 of the RI (DBS&A, 1996). Current contamination distribution is shown on Figure 3.64 of the Revised CSM (GHD, 2024a). Note that the SGZ, as defined in this report, is almost entirely of the Unit 4 Clay. Unit 4 Clay contamination detailed in the RI occurred because of historical transport within the historical upper RA when groundwater was above Unit 4, and ongoing contributions from residual sources in the lower portion of the unsaturated zone. As a result, the distribution most recently observed in the upper SGZ represents a “footprint” of the contamination that existed prior to dewatering of the aquifer.

As noted in Section 2.2.5.1 of the Revised CSM (GHD, 2024a) and first called out in the 100% Design (CRA, 2004b), aquifer single well (slug) test results for the Upper Unit 4 Clay (S-10, S-12, S-17, S-19, S-21), estimated an average lateral transport rate of 4.5 ft/yr. Given the observed minor heterogeneity within this unit, the lateral transport rate can vary; however, this variability is not considered significant and is within an order of magnitude depending on the distribution of sand and gravel stringers/seams within the clay matrix. Vertical transport rates would be considerably less by a factor of 10 or more given the low anisotropy ratio associated with clay-rich sediments. Hence, the potential for advective vertical transport is considered minimal and may be diffusion dominated.

Transport of contaminants through clays to the RA was previously believed to have occurred laterally and vertically downward. The potential for lateral transport within the SGZ depends largely on the permeability, hydraulic conductivity, spatial distribution of the geologic materials, hydraulic gradients (horizontal and vertical), and effective

porosity, which in the case of the Unit 4 Clay is very low. The rate of lateral transport in the Unit 4 Clay to the upper RA is expected to be low in comparison to the GSU.

During the RI, VOC analyses were performed on clay samples collected from boring SB-3 (see Section 4.5 of the RI [DBS&A, 1996]). The results showed that contamination has penetrated less than 10 feet vertically into the Lower Unit 4 Clay (DBS&A, 1996). Soil samples collected at depths of 4 and 9 feet below the GSU in the lower Unit 4 Clay did not have TCE concentrations above the detection limit of 6.8 micrograms per kilogram. Based on these data and the Lower Unit 4 Clay vertical hydraulic conductivity (3.3×10^{-7} ft/sec [DBS&A, 1996]), vertical advective and diffusive transport downward through the Lower Unit 4 Clay to the upper RA beneath Zone E has been minimal. In addition, certain areas such as the TI Zone would require transport of contaminants through more than 30 feet of low-permeability clay that are now subject to upward or near neutral vertical gradient. Hence, downward transport of contaminants from the Lower Unit 4 Clay to the upper RA is no longer taking place.

In regard to destructive properties, during the RI, there was minimal evidence of biodegradation or abiotic processes occurring in the Unit 4 Clay, as evidenced by the lack of reductive dechlorination daughter products, such as vinyl chloride. However, there was some evidence of abiotic processes that would explain the presence of chloroform due to the degradation of CCl_4. The fate and transport of contaminants within the GSU is controlled by the complex paleochannel system. These paleochannels vary both in their physical location (both vertically and laterally) and their hydraulic properties based on grain size distribution. The historical distribution of contamination within the GSU was shown on Figures 4-34 through 4-39 of the RI (DBS&A, 1996). Transport within the GSU represents the primary flow pathway at the Airport Property and is why SGZ Remedy extraction wells were intentionally located in these paleochannels to capture the VOC plume and control the migration of VOCs in the SGZ.

In the GSU, advective transport is the dominant migration pathway for residual COCs. However, mechanical dispersion plays a role due to the variable hydraulic conductivity of the paleochannel deposits. The groundwater flow path is controlled within the paleochannel because they are bounded by finer-grained deposits that restrict any widespread lateral migration outside the paleochannel boundaries. Hence, the location and identification of primary paleochannels was important in the design of the current SGZ Remedy.

Multiple long-term aquifer pumping tests that involved the GSU were conducted in May 1996 (71 hours), July 1998 (72 hours), and January 2002 (15 days) to identify and quantify these pathways with respect to identifying the approximate extent of hydraulic influence and capture. These pumping tests provided a range of hydraulic values for the GSU and the Upper Unit 4 Clay and identified some of the hydrogeologic complexities. However, as groundwater levels continue to rise, the role of fate and transport in the GSU has changed, with evidence of changes provided by hydraulic responses in several monitoring well locations in response to external influences in the RA (e.g., AFP44 pumping).

There is minimal evidence of biodegradation or abiotic processes occurring in the Unit 4 Clay, as evidenced by the lack of reductive de-chlorination daughter products, such as vinyl chloride. However, there was some evidence of abiotic processes that would explain the presence of chloroform due to the degradation of CCl4 (GHD, 2024a). Although some degradation pathways may be theoretically possible, the existing geochemical conditions are insufficient or inconsistent to promote these processes at rates or extents that would significantly reduce contaminant concentrations or limit plume migration. In other words, degradation may occur sporadically or at low efficiency, but not reliably enough to function alone as an effective natural attenuation mechanism. Therefore, it is believed that geochemical conditions are not reliably supportive for these types of processes to occur at a degree necessary to effectively attenuate plume migration.

2.2.8 Transport Processes and Pathways

Considering these hydrogeologic differences, and because of the need to satisfy the Performance Standards including RA protection, the SGZ Remedy design (CRA, 2004b) originally focused on hydraulic capture and containment of contaminants in the GSU. The GSU represented the most likely contaminant pathway to the RA. By pumping directly from the GSU, the overlying SGZ contamination would be drawn down into the GSU. However, because of the significant changes in hydrogeologic conditions at the Site, and because rising RA water levels are anticipated to

continue for the foreseeable future, the Revised CSM (GHD, 2024a) more accurately depicts current Site conditions than the RI/FS on which the current remedies were based.

Vertical protection of the RA, particularly in the TI Zone and in On-Airport and Off-Airport Property (based on installation of over 120 wells), is provided by the Lower Unit 4 Clay, which acts as a confining layer (aquitard) below the GSU and above the RA. COCs would have to migrate downward through more than 30 feet of low permeability Lower Unit 4 Clay (DBS&A, 1996) to reach the RA from the TI Zone,. In addition, the current vertical hydraulic gradient between the GSU and the RA is upward from the RA to the SGZ/GSU in the area of the SGZ Remedy extraction wells and upward in all other areas of the GSU, also mitigating downward vertical COC migration into the RA.

Due to the mitigation of vertical COC migration from the SGZ and GSU to the RA and the current remedial action technology (i.e., SVE and pump and treat) reaching asymptotic COC recovery levels where the technology is no longer effective in mass VOC removal, additional remedial enhancement techniques are being evaluated. A Remedy Enhancement Pilot Test Work Plan is being prepared to review potential alternatives and/or enhancements to the current SGZ Remedy and SVE TI Zone Remedy, focusing on using a source destruction approach.

The current contaminant concentrations in the SGZ and GSU for the February and August 2025 sampling events are presented in Section 3.3.

3. SGZ Remedy Groundwater Level and Water Quality Data

Section 3.0 of the Thirty-sixth PER presents groundwater levels and analytical data collected between March 2025 and August 2025, reviews and compares hydraulic and analytical data from previous performance monitoring events (in November 2024/ February 2025) and identifies performance monitoring changes that could affect hydraulic containment. The SGZ Remedy was operational for the reporting period, however extraction well CRA-5 remained offline due the submersible pump being lodged in the well casing from October 7, 2024 through August 25, 2025 Repairs and well re-development activities were performed at CRA-5 during the reporting period. After several failed attempts to extract the lodged pump, it was driven to the bottom of the well using a Sonic drill rig. The extraction well was redeveloped on May 29th, 2025 and videoed to confirm the well screen was clean. A new pump was installed in CRA-5 on July 7th, 2025. On August 25th, after the completion of the routine static water level measurements, CRA-5 was returned online and resumed normal extraction and operation.

The current monitoring schedule was based on the schedule previously approved by EPA and presented in the Thirty-second PER (GHD, 2023) and is summarized in **Table 3.1** (for groundwater monitoring and extraction wells). The SP will annually propose the planned sampling in the even-numbered PERs, for the next calendar year. The current groundwater monitoring schedules for November 2025 through October 2027 are presented in **Table 3.1**.

3.1 Target Capture Zones

Three Target Capture Zones (TCZs) have been established for this Site. TCZs are a basic component of the EPA guidance for evaluating containment (EPA, 2008). The development of the TCZs is based on the Performance Standards provided in the SOW (see Section 1.2.2). The SP have identified the TCZs consistent with the EPA's guidance to assist with the containment evaluation.

The SOW identifies two separate Performance Standards for the SGZ remedy (see Section 1.2.2). These apply to the SGZ in the TI Zone and the SGZ outside of the TI Zone. Section 5.2.1.1 of the SOW also requires a Performance Standard evaluation for the TI Zone, the On-Airport Property, and the Off-Airport Property, within the specified time frames. The evaluation must determine whether the Performance Standards are being met in each of these areas. Because these areas are evaluated separately, a TCZ was established for each area.

In July/August 2025, GHD collected groundwater quality samples (**Table 3.1**) to compare recent TCE concentrations to the Baseline (May 2007) conditions. The May 2007 sampling event was the only all-inclusive sampling round; however, the July/August 2025 data subset was selected to better define the 5 micrograms per liter (µg/L) TCE plume boundary and delineate the TCZ boundaries. The TCZ boundaries can change as the groundwater remediation proceeds and the TCE groundwater plume shrinks. The TCZs are updated in this report, as they will be in future containment evaluation reports.

The TCZ for the SGZ in the TI Zone is the western boundary (downgradient) of the TI Zone, as depicted on **Figure 3.1**. The SOW requires vertical containment of the TI Zone such that the RA water quality is not impacted by contamination from the SGZ. Therefore, the vertical extent of the TCZ within the TI Zone is the 5 µg/L TCE plume boundary in the GSU, or the bottom of the Unit 4 Clay (see **Figure 3.1**).

The TCZ for the SGZ in the On-Airport Property is the western Airport Property boundary extending north and south to the limit of the 5 µg/L TCE plume boundary (**Figure 3.1**). The SOW requires the vertical containment of the SGZ such that water quality in the RA and currently clean portions of the SGZ are not impacted. Therefore, the vertical extent of the TCZ in the On-Airport Property is the vertical extent of the 5 µg/L TCE plume boundary, or the bottom of the Unit 4 Clay (**Figure 3.1**).

The Performance Standard for the Off-Airport Property requires containment such that water quality in the RA and currently clean portions of the SGZ are not impacted. Hence, the horizontal TCZ for the Off-Airport Property is the eastern edge of the transition zone area where the SGZ/GSU merges with the Regional Aquifer, and the northern and southern extent of the Off-Airport Property TCZ is the 5 µg/L TCE plume boundary (**Figure 3.1**). The SOW requires the vertical containment of the SGZ such that water quality in the RA and currently clean portions of the SGZ are not impacted. Therefore, the vertical extent of the TCZ in the Off-Airport Property is the vertical extent of the 5 µg/L TCE plume boundary, or the bottom of the Unit 4 Clay.

A detailed evaluation of the containment created by the SGZ Remedy is further discussed in Section 3.4.

3.2 Groundwater Elevations

SGZ groundwater data collected during the reporting period include groundwater levels and/or groundwater quality samples from the SGZ Remedy extraction wells and select groundwater piezometers and monitoring wells. The groundwater monitoring was performed in accordance with the revised schedule for the 2-year period of November 2022 to October 2024, submitted in the Thirty-second PER (GHD, 2023) and included in **Table 3.1**. Water levels and groundwater samples were collected in accordance with the procedures specified in the FSP (CRA, 2007a), and water samples were analyzed in accordance with the QAPP (CRA, 2007b). This section summarizes the data utilized to evaluate extraction system performance and to ensure compliance with the SGZ Remedy Performance Standard and presents the data collected through August 2025. The May 2007 Baseline sampling event involved collecting groundwater elevations from 110 wells between May 24 and May 31, 2007. The Baseline sampling event activities document pre-pumping conditions in the SGZ/GSU

Groundwater levels were collected from the monitoring wells listed in **Table 3.1** during the reporting period (March 2025 through August 2025). During the reporting period, access to select wells became restricted and prevented water level monitoring. GHD-1S and GHD-1D could not be monitored due to the health and safety risk posed by the Three Hangars structure, S-24 could not be monitored due to damage sustained to the wellhead in October2024. CRA-5 was inaccessible to conduct water level monitoring in May 2025 due to the well's pump becoming lodged inside the casing. These variances are notated in the tables accordingly. Groundwater elevations are provided in **Table 3.2** for Baseline 2007, May 2025 and August 2025. **Appendix A** presents the last 10 years of groundwater hydraulic monitoring data.

In addition to collecting manual water level measurements, water level measurements were collected using water level pressure transducers installed in select monitoring wells. It was recognized that, due to the complexity of the hydrogeologic system in this portion of the Site, accurately assessing the effects of pumping on the SGZ using only manual measurements would be difficult. Therefore, prior to startup of the SGZ Remedy, 16 water level pressure transducers, and one BaroTROLL® (used to correct for barometric pressure changes) were installed in select

monitoring wells to facilitate the hydraulic containment evaluation. After several months of SGZ Remedy operation, the pressure transducer data helped determine the areas of hydraulic influence of the extraction wells and identify external hydraulic influences. Additional water level pressure transducers have been installed since Baseline, bringing the current number of transducers in monitoring wells to 49 (including one BaroTROLL®) and transducers in extraction wells to six.

Transducers have been moved over the course of SGZ Remedy operation to investigate different SGZ/GSU areas. In addition to the locations of the transducers, the frequency of data collection has been varied to capture short-duration events. The SP voluntarily conducted this additional data collection task to better understand the hydraulics of the SGZ/GSU in response to the SGZ remedy. The monitoring wells in which pressure transducers are currently installed are shown on **Figure 3.2**.

Transducer data from March 1 through August 31, 2025, are presented on **Figures 3.3** through **3.5d**. Transducer data assist in the groundwater evaluation by monitoring changes in the water levels due to the AFP44 injection wells running. **Figure 3.3** shows transducer hydrographs in the TI Zone, **Figure 3.4a** through **Figure 3.4c** depicts transducer hydrographs in the On-Airport Property, and **Figure 3.5a** through **Figure 3.5d** shows transducer hydrographs in the Off-Airport Property. The extraction well flow changes and shutdown data in **Appendix B** are utilized as part of the evaluation of the hydrographs and responses to pumping presented (not of the SGZ Remedy, but to AFP44) in this Thirty-sixth PER.

Groundwater fluctuations are expected in the RA due to rising water levels and shutdowns/restarts of AFP44. The groundwater hydrographs (**Figures 3.3** through **3.5d**) illustrate the significant impact that AFP44 groundwater extraction and reinjection has locally on the RA in the vicinity of the Airport Property. The AFP44 groundwater extraction system was operational in the Thirty-sixth PER reporting period until June 4th when the system was brought offline for repairs. Immediately following the June 4th shutdown, the Site's transducers recorded a significant rebound in groundwater elevations, mainly in the RA. A similar but more muted response was also observed in the GSU screened wells, and in the SGZ screened wells resulting from rising water levels in the GSU. Based on the rebound within the RA during the AFP44 extraction system shutdown and the corresponding muted response in the SGZ/GSU, there is some hydraulic connection between the RA and GSU, primarily in the transition area. The absence of any significant response within the SGZ Upper Unit 4 Clay under the TI Zone indicates little or no direct-hydraulic connection between the SGZ and the RA.

3.2.1 Hydraulic Responses to Groundwater Extraction

While not specifically called out in the EPA capture zone guidance (EPA, 2008), the evaluation of groundwater hydraulic response to pumping is particularly important for this Site because of its hydrogeologic complexity. Examination of the hydraulic response to pumping of the SGZ Remedy groundwater extraction wells is necessary to confirm that the system is operating as designed. Responses to pumping are also used to evaluate hydraulic connections across the Site, particularly between the primary and secondary GSU paleochannels. Hydraulic responses throughout the primary paleochannel are attributed to the operation of the SGZ Remedy. Although hydraulic response does not directly equate to hydraulic containment, it does identify the interconnectedness of the water bearing units of the SGZ/GSU.

Hydraulic responses to pumping were measured by comparing changes in groundwater elevations in the monitoring well network to the Baseline water levels (May 2007) and correlating them with known SGZ Remedy pumping. The SGZ and the GSU groundwater responded, as expected, to SGZ Remedy pumping. This conclusion is based on comparison of recent hydraulic data to multiple pumping tests conducted during the RD (CRA, 2004b). The hydraulic responses to pumping are evaluated graphically using water level hydrographs and groundwater contours. Hydrographs for selected wells depicting historical water levels and TCE concentrations are included in **Appendix E**. The potentiometric surface maps for the SGZ, GSU, and RA are shown on **Figures 3.6** through **3.14**.

The Baseline sampling event (May 2007) activities document pre-pumping conditions in the SGZ/GSU. The Baseline data are used for comparing current conditions to pre-pumping groundwater conditions in this evaluation. The potentiometric surface (non-pumping conditions) for 2007 Baseline SGZ and GSU data are shown on **Figures 3.6**

and **3.9**, respectively. The hydraulic responses to pumping as compared to the baseline data in the SGZ and the GSU in the various parts of the Site are discussed in the following sections.

3.2.1.1 SGZ Remedy

The operational data for the period from March 1, 2025, through August 31, 2025, showed that the overall hydraulic response to the SGZ Remedy in the hydrogeologic system continued in a similar manner as predicted in the RD. Many monitoring wells evidenced a strong response to SGZ Remedy pumping as discussed in the following sections. However, certain wells (e.g., S-37 and S-39), although part of the initial PSVP-required SGZ monitoring network, are outside of the area of influence of the SGZ Remedy and do not show a strong response to the SGZ Remedy groundwater extraction.

As discussed in previous PERs, the SGZ and GSU groundwater also responds to external influences in the RA. The groundwater data indicate that there are various factors besides the SGZ Remedy affecting groundwater elevations within the SGZ and GSU including AFP44 pumping, AFP44 reinjection of treated water, rising RA water levels, and direct hydrogeologic connections between the GSU and RA (i.e., west of extraction well S-38). In the Airport Property area, AFP44 is the most notable external influence. The hydraulic response to AFP44 pumping occurs mostly in areas that are outside of the TCZ of the SGZ Remedy. Therefore, this response is not evidence of inefficiency of the SGZ Remedy but indicates the approximate location/boundary of the transition zone, conflated with the impact from AFP44 pumping variability.

The level/amount of external influence varies with location. In the TI Zone portion of the SGZ Remedy monitoring well network, there is little evidence of influence from AFP44 pumping, because of its hydraulic isolation, specifically the Lower Unit 4 Clay, with the RA.

In the On-Airport Property, the greatest influence from AFP44 RA pumping exists to the south of the primary paleochannel. Some influence is also present in certain wells along the Airport Property boundary, but its influence is minor compared to SGZ Remedy pumping.

As stated in Section 2.5, the transition zone is understood to be the result of a younger fluvial channel that eroded and replaced the alluvial fan deposits associated with the SGZ and GSU and infilled the area with coarser-grained material (Clear Creek Associates, 2003). This younger channel is a higher transmissivity zone that exists west of the Airport Property and extends north and south of the Airport (Clear Creek Associates, 2003). These materials grade smoothly into the RA. Groundwater from the SGZ/GSU mixes with the groundwater of the RA both within and west of the transition zone. Off-Airport Property, the greatest influence from AFP44 pumping and rising RA groundwater levels is observed west of SGZ Remedy extraction well S-38 in the transition area. Due to the greater well yield recovery rate for S-38, as compared to the other SGZ Remedy extraction wells, hydraulic radius of influence created around extraction well S-38 and lower COC concentrations it is suspect that RA water is being drawn toward S-38, mixed with some GSU water, and recovered by extraction well S-38.

Response in TI Zone

Two SGZ Remedy extraction wells operate in the TI Zone: DP-1 and CRA-5. As presented in the RD, DP-1 acts primarily as a hydraulic containment well, and CRA-5 is primarily a contaminant mass removal well. Both CRA-5 and DP-1 are screened across the entire thickness of the GSU in that area, however DP-1 is also screened with multiple screens in the SGZ. The average pumping rate for well DP-1 over the reporting period was 2.76 gallons per minute (gpm). CRA-5 was not operating for the majority of the reporting period; inoperable due to a lodged pump in the well from October 14, 2024 through August 25, 2025. When in operation, CRA-5 recovers more groundwater than DP-1 because it is screened across a more permeable portion of the SGZ/GSU water-bearing units and may be recharged from the paleochannel that extends east of the TI Zone. The average pumping rate for CRA-5 over the reporting period was only 0.78 gpm due to its limited operation. In this reporting period, CRA-5 was sampled to monitor for potential rebound of COCs after resuming continuous extraction on August 25th, 2025. The extraction well was sampled on August 8, 2025 after operating only long enough for water quality parameters to stabilize and for the collection of the sample, then the well was brought offline again. CRA-5 was returned online for continuous operation on August 25th, 2025 and a sample was collected on September 8th, 2025 to compare to the August 8th baseline

sample. The August and September TCE results were 43 µg/L (micrograms per liter) and 51 µg/L respectively (see **Appendix A**. The rebound sampling at CRA-5 suggests that the extraction well's downtime did not result in a rebound of COCs despite the extraction well's larger extraction volume. Hydrographs for the TI Zone and monitoring wells equipped with pressure transducers are shown on **Figure 3.3**. Hydrographs of the historical water level measurements for select wells in the TI Zone are presented in **Appendix C**. All of the TI Zone monitoring wells have exhibited drawdown, and effective vertical hydraulic containment is inferred based on the upward vertical hydraulic gradients from the RA to the GSU in this area. See **Table 3.3** for hydraulic gradient related data. The upward vertical pressure created from the confinement of the RA confirms vertical containment by the Lower Unit 4 Clay under the TI Zone.

Response in On-Airport Property

There are two On-Airport Property SGZ Remedy extraction wells: EW-1 and EW-2R. The average pumping rates for these SGZ Remedy extraction wells over the reporting period were 19.21 gpm and 2.4 gpm, respectively. The hydrographs for the On-Airport Property monitoring wells equipped with pressure transducers are shown on **Figures 3.4a through 3.4c.** Hydrographs of the manual water level measurements for select On-Airport Property wells are presented in **Appendix C**. The hydrographs show a strong hydraulic response to SGZ Remedy pumping in the On-Airport Property monitoring wells (**Figures 3.4a through 3.4c**). The upward vertical pressure created from the confinement of the RA confirms vertical containment by the Lower Unit 4 Clay under the On-Airport Property.

Response in the Off-Airport Property

There are two Off-Property SGZ Remedy extraction wells: EW-4 and S-38. Well EW-4 operated throughout the reporting period at an average flow rate of 4.27 gpm and S-38 at an average rate of 28.5 gpm. A total of seven wells (EW-4, CRA-7, S-38, S-21B, S-37, S-39 and CRA-42) are used to monitor the GSU in the Off-Airport Property area (see **Table 2.1**). Five of the GSU monitoring wells (CRA-7, S-21B, S-37, S-39 and CRA-42) are equipped with pressure transducers (**Figure 3.5a**).

The area of influence of S-38/EW-4 is estimated to the north of former monitoring well CRA-6, and CRA-7 to the south. Extraction wells S-38 and EW-4 contributes to the additive effect of the SGZ Remedy and the overall containment of the Off-Airport Property.

GSU monitoring wells S-37, CRA-42, and S-39 are located near the transition zone where the GSU coalesces with the RA. Monitoring well S-37 is west of the ROI created by S-38 and EW-4, as evident by no hydraulic response to pumping. Wells S-39 and CRA-42 do not respond directly to pumping at S-38 and EW-4 based on transducer data.

Extraction well S-38 is suspect of pulling in RA groundwater from the transition zone as evident by the higher recovery rate for S-38, lower COC concentrations, groundwater gradient created, and higher RA groundwater elevations

Regional Aquifer

The data for the nine RA wells installed in and around the Airport Property reported groundwater elevations (**Table 3.2**) were generally consistent with the previous reporting period. An overall increase in RA groundwater elevations has been evident since approximately 2009, as detailed in previous sections, and has impacted the GSU in areas where the Lower Unit 4 Clay is thin or non-existent.

Although the groundwater elevations in the RA monitoring wells are used for comparison with the GSU/SGZ groundwater elevations and to measure the rising RA groundwater, the RA monitoring wells were advanced through the Lower Unit 4 Clay and therefore the confining aquifer levels rise to the potentiometric surface in monitoring wells screened in the RA. The Lower Unit 4 Clay, where present, acts as a confining layer for the RA (under pressure) and therefore creates an upward vertical hydraulic gradient from the RA to the GSU. However, RA groundwater will only migrate vertically upward in the GSU and SGZ in areas where there is direct-hydrogeologic connection between the units, such as the transition zone (west near S-37).

3.2.2 Groundwater Contours

Groundwater contours (potentiometric surface maps) were prepared for the SGZ, GSU, and RA using the water level data collected in Baseline 2007, May 2025, and August 2025. The groundwater contours are shown on **Figures 3.6** through **3.14**. Historical water level data for the Baseline 2007 and the last 10 years are provided in **Appendix A**.

SGZ extraction well CRA-5 was not operating due to a lodged pump in the well casing until the final week of the reporting period, resuming operations on August 25, 2025. There are limitations to the use of groundwater contours in the complex hydrogeologic system that occurs at the Site due to the assumptions inherent in the preparation of the contours. These assumptions are:

- *All wells used in the contours are completed in the same hydrogeologic unit.* At this Site, some of the monitoring wells are completed across both the SGZ and GSU units. As a result, the data from these wells represent averaged conditions.
- *No vertical hydraulic gradients exist.* It is known that strong downward vertical hydraulic gradients historically existed between the SGZ and the GSU. The SGZ monitoring wells are completed at different elevations. Therefore, the vertical hydraulic gradients will affect the measured water levels. Because the GSU is more transmissive, pumping the GSU generally increased the downward vertical hydraulic gradient from the SGZ to the GSU.
- *The water levels measured in a well are representative of the formation.* The variable nature of the GSU precludes a determination that the GSU water levels are comparable across the Site.

Furthermore, the preparation of groundwater contours for the GSU assumes that the distribution of this unit is known, and that the unit is continuous in the region of interest. The GSU exists as paleochannels in the Unit 4 Clay, and consequently, its precise distribution is not defined in all areas of the Site.

Bearing these assumptions and limitations in mind, the groundwater contours under pumping conditions were compared to the Baseline contours shown in **Figures 3.6, 3.9,** and **3.12,** and historical groundwater elevations in **Appendix A**. This comparison is presented below.

SGZ Groundwater Contours

The potentiometric surface under pumping conditions for the SGZ are presented on **Figures 3.7** and **3.8** for May 2025 and August 2025, respectively. These figures show that the SGZ Remedy is sufficiently recovering the limited groundwater existing in the SGZ. In the areas outside of the SGZ Remedy capture zones, the general groundwater flow direction is toward the west/northwest consistent with groundwater flow during the Baseline data (**Figure 3.6**).

Due to the SGZ Remedy extraction wells creating drawdown and effective ROI around the extraction wells, the RA groundwater potentiometric surface appears higher than areas within the radius of influences, see **Figure 3.15**. Where the Lower Unit 4 Clay is present and acting as an aquitard, RA groundwater is not being drawn into the extraction wells; specifically, under the TI Zone and On-Airport Property. However, in the area west of extraction well S-38 where the Lower Unit 4 Clay is thin or does not exist (i.e., the transition zone area), extraction well S-38 is creating a hydraulic gradient from the RA toward the extraction well and ROI and suspect of recovering RA groundwater along with SGZ and GSU groundwater.

Additional hydraulic influences are observed through AFP44 operations and reinjection of RA treated groundwater directly into the SGZ and GSU units under the AFP44 areas likely by AFP44 extraction wells E-07, E-08, and E-09R and reinjection wells R-05, R-06M, R-07, and R-09M, which are located closest to the Airport Property.

GSU Groundwater Contours

The groundwater contours under pumping conditions for the GSU are presented on **Figure 3.10** for May 2025 and **Figure 3.11** for August 2025. These figures show that the SGZ Remedy is sufficiently recovering the groundwater existing in the GSU. The paleochannels limit the horizontal extent of the COCs in GSU groundwater. In the areas

outside of the SGZ Remedy capture zones, the general groundwater flow direction is toward the west/northwest consistent with groundwater flow during the Baseline data (**Figure 3.9**).

Due to the SGZ Remedy extraction wells creating drawdown and effective radius of ROI around the extraction wells, the RA groundwater potentiometric surface appears higher than areas within the radius of influences (see **Figure 3.15**). Where the Lower Unit 4 Clay is present and acting as an aquitard, RA groundwater is not being drawn into the extraction wells; specifically, under the TI Zone and On-Airport Property. However, in the area west of extraction well S-38 where the Lower Unit 4 Clay is thin or does not exist (i.e., transition zone), extraction well S-38 is creating a hydraulic gradient from the RA toward the extraction well and ROI and suspect of recovering RA groundwater along with GSU groundwater.

Additional hydraulic influences are observed through AFP44 operations and reinjection of RA treated groundwater directly into the SGZ and GSU units under the AFP44 areas.

RA Groundwater Contours

The groundwater contours for the RA are presented on **Figures 3.13** and **3.14** for May 2025 and August 2025, respectively. These figures show that the RA groundwater flow pattern to be northwesterly and remains similar to Baseline conditions (**Figure 3.12**) and consistent with the previous PER reporting period.

As previously stated, due to the SGZ Remedy extraction wells creating drawdown and effective ROI around the extraction wells, the RA groundwater potentiometric surface appears higher than areas within the radius of influences (see **Figure 3.15**). Where the Lower Unit 4 Clay is present and acting as an aquitard, RA groundwater is not being drawn into the extraction wells; specifically under the TI Zone and On-Airport Property. However, in the area west of extraction well S-38 where the Lower Unit 4 Clay is thin or does not exist (i.e., transition zone), extraction well S-38 is creating a hydraulic gradient from the RA toward the extraction well and ROI and suspect of recovering RA groundwater along with SGZ and GSU groundwater.

3.3 Groundwater Quality

Groundwater quality is discussed in this section.

Groundwater samples were collected from the groundwater monitoring network specified in the FSP and QAPP (see updated **Table 3.1**) in July/August 2025. Groundwater elevation and TCE concentration trend hydrographs are included in **Appendix C**.

All groundwater samples were submitted to the project laboratory for chemical analysis under standard chain-of-custody procedures. The analytical data received from the project laboratory were reviewed by the project chemist for conformance with the QAPP, the analytical methods, and industry standards. The data were found to be suitable for this evaluation with the qualifications noted. Data quality assessment and validation memoranda for each sampling event are included in **Appendix D**. Laboratory analytical reports for each sampling event are included in **Appendix E**. Groundwater analytical results are provided in **Table 3.4** for the July/August 2025 monitoring event and in **Appendix F** for the COCs since Baseline 2007.

As noted in Section 1.2, the predominant COC in the SGZ for the Airport Property is TCE. Although TCE is the primary COC that exceeds the Performance Standards within monitoring wells, all COCs are reviewed as part of the evaluation. The TCE analytical results from Baseline 2007 to August 2025 are shown on **Table 3.5**.

SGZ Remedy

The distribution of TCE in the SGZ and GSU, monitoring wells for the August 2025 event is presented on **Figures 3.16** and **3.17**, respectively. In addition, the figures show the change in TCE concentration from the Baseline conditions. The additional wells sampled in August 2025 (**Table 3.1**) permitted the creation of isopleths. The extent of the TCE concentrations is contoured to the MCL (5 µg/L) for the SGZ and GSU are depicted on **Figure 3.1**, **Figure 3.16** for the TCE Concentrations in the SGZ, and **Figure 3.17** for the TCE Concentrations in the GSU.

Throughout the Site, the water quality data collected during the reporting period have COC concentrations lower than Baseline results, with some exceptions as further described below (see **Table 3.5)**. In most cases, wells that exhibited an increase in concentrations between Baseline and August 2025 showed only minor increases as noted below. For the August 2025 sampling event, TCE concentrations ranged from non-detect (ND) (less than 0.5 µg/L) to 2,300 µg/L (CRA-15). In general, the greater concentrations are reported in groundwater sampled from the active GSU extraction wells (e.g. EW-1, DP-1, and CRA-5), and from monitoring wells S-12, S-16, and S-18 located in the more-permeable thicker GSU materials in the paleochannel. TCE concentrations are lower in areas delineated to the north and south by the less-permeable materials that exists where the paleochannel thins out. As discussed in sections 3.2.1.1, CRA-5 was sampled in August 2025 after the well had been offline for repairs for approximately 10 months. The results did not show rebound, but rather a significant reduction in COCs at CRA-5. After operating continuously for approximately 2 weeks, an additional sample was collected and again showed no significant increase in COCs after operating the extraction well continuously. These concentration reductions show that the SGZ Remedy has removed significant VOC mass since operations began and have reached asymptotic conditions, which is further discussed in Sections 4 and 5.

RA Groundwater Quality

TCE concentrations within the RA wells sampled in August 2025 were reported at low concentrations (< 50 µg/L), although significantly higher when compared to Baseline data. The greatest TCE concentrations were reported in On-Airport property monitoring wells D-1, D-2 and D-5 with the greatest concentration of 55 µg/L (well D-2). All remaining RA monitoring wells reported TCE concentrations slightly above the Performance Standard criteria (5 µg/L), see **Figure 3.18**.

The higher TCE concentrations in D-1, D-2, and D-5 are likely not the result of downward migration of COCs from the SGZ/GSU but a result from the AFP44 treatment system and RA TCE plume. As discussed in the Revised CSM (GHD, 2024a), an 18- to 30-foot thick clay aquitard separates the SGZ/GSU from the RA under the TI Zone and most of the Airport Property. The upward vertical hydraulic gradient created by the confining Lower Unit 4 Clay between the RA and the GSU prevents downward vertical TCE migration from the SGZ and GSU to the RA where the Unit Clay 4 Unit exists. The distribution of TCE in the RA is shown on **Figure 3.18**.

Statistical Results for the SGZ, GSU, and RA

A statistical analysis for the recent (2016 – July 2025) and overall (1992 – July 2025) periods was performed (see **Appendix H**). In the great majority of data sets, TCE concentrations in groundwater at the SGZ and GSU wells were decreasing or stable and were consistent with the baseline period (prior to the SGZ Remedy startup) at each well as shown by the Shewhart-CUSUM control chart evaluation. In contrast, TCE concentrations at the majority of RA wells were increasing during the overall period and were observed to be above baseline conditions as shown by the Shewhart-CUSUM control chart evaluation. However, evaluation of TCE concentrations in the last five years show that they are largely stable.

The table below presents a summary of the statistical results (discussed in Section 6), showing the number of wells in which results from the Mann-Kendall trend tests were computed, during both overall and recent periods.

Trend test Result	SGZ		GSU		RA	
	Overall	Recent	Overall	Recent	Overall	Recent
<4 detects	7	8	0	4	0	0
Insufficient data	0	1	0	1	0	0
No trend	4	12	7	14	2	7
Decreasing	17	8	25	12	1	2
Increasing	1	0	0	2	7	1
Total	**29**	**29**	**32**	**32**	**10**	**10**

3.4 Containment Evaluation

Three TCZs have been established for this Site. TCZs are a basic component of the EPA guidance for evaluating containment (EPA, 2008). The development of the TCZs is based on the Performance Standards provided in the SOW (see Section 1.2.2). The SP have identified the TCZs consistent with the EPA's guidance to assist with the containment evaluation.

The SOW identifies two separate Performance Standards for the SGZ remedy (see Section 1.2.2). These apply to the SGZ in the TI Zone and the SGZ outside of the TI Zone. Section 5.2.1.1 of the SOW also requires a Performance Standard evaluation for the TI Zone, the On-Airport Property, and the Off-Airport Property, within the specified time frames. The evaluation must determine whether the Performance Standards are being met in each of these areas. Because these areas are evaluated separately, a TCZ was established for each area. The TCZ boundaries can change as the groundwater remediation proceeds and the TCE groundwater plume shrinks. The TCZs are updated in this report, as they will be in future containment evaluation reports.

The SGZ Remedy was designed to pump groundwater from the GSU because it would enhance the downward vertical migration and gradient from the overlying SGZ to the GSU (i.e., SGZ Upper Unit 4 Clay drains into the GSU). In addition, the GSU pumping would simultaneously reduce the downward vertical hydraulic gradient from the GSU to the Lower Unit 4 Clay, and ultimately to the RA.

The SGZ and GSU groundwater also responds to external influences in the RA. The groundwater data indicate that there are various factors besides the SGZ Remedy affecting groundwater elevations within the SGZ and GSU including AFP44 pumping (nearby extraction wells E-07M, E-08, and E-09M) and reinjection (nearby reinjection wells R-05, R-06M, R-07, and R-09M) of treated RA water into SGZ and GSU units, and rising RA water levels. In the Off-Airport Property area, AFP44 is the most notable external influence. The hydraulic response to AFP44 pumping occurs mostly in areas that are outside of the TCZ of the SGZ Remedy (west, near transition zone). Therefore, this response is not evidence of inefficiency of the SGZ Remedy but indicates the approximate location/boundary of the transition zone, conflated with the impact from AFP44 pumping variability.

The level/amount of external influence varies with location. In the TI Zone portion of the SGZ Remedy monitoring well network, there is little evidence of influence from AFP44 pumping, because of its hydraulic isolation with the RA. In the On-Airport Property, the greatest influence from AFP44 pumping exists to the south of the primary paleochannel. Some influence is also present in certain wells along the On-Airport Property boundary, but its influence is minor compared to SGZ Remedy pumping. Off-Airport Property, the greatest influence from AFP44 pumping is observed in the transition zone area.

However, due to the length of the AFP44 extraction and re-injection well screens and sand filter packs extending to a shallower depth in hydraulic communication with the SGZ and GSU, hydraulic influences (i.e., rising water levels in the SGZ and GSU) are observed the SGZ and GSU wells located on the Airport Property.

An evaluation of the current containment created by the SGZ Remedy for the TI Zone, On-Airport Property and Off-Property are discussed in the following subsections.

3.4.1 TI Zone

The Performance Standard for remediation of the SGZ (includes SGZ and GSU) inside the TI Zone is to provide lateral and vertical hydraulic containment of COC-impacted shallow groundwater until contaminant concentrations inside the TI Zone are reduced to levels at which ceasing operation of the Groundwater Treatment System in the TI Zone will not cause a water quality impact in excess of the water quality standards set forth in **Table 2.3** to the SGZ outside the TI Zone or to the RA as demonstrated by groundwater modeling and monitoring of the RA and SGZ. The TCZ for the SGZ in the TI Zone is the western boundary (downgradient) of the TI Zone, as depicted on **Figure 3.1**. The SOW requires vertical containment of the TI Zone such that the RA water quality is not impacted by contamination from the SGZ. Therefore, the vertical extent of the TCZ within the TI Zone is the 5 µg/L TCE plume boundary in the GSU, or the bottom of the Unit 4 Clay (see **Figure 3.1**).

To demonstrate containment for the TI Zone, the May 2025 and July/August 2025 data, along with historical data, for the SGZ Remedy during pumping conditions has been evaluated. Specifically, extraction wells CRA-5 and DP-1 are used for groundwater recovery within the TI Zone (also within the On-Air Property). For the duration of this reporting period, CRA-5 was inoperable until the final week, resuming operation on August 25, 2025.

The following are the conclusions for the TI Zone:

1. Radius of Influence – From extraction well DP-1, a minimum 200-foot ROI has been created in the GSU as measured in May and August 2025. During this reporting period the average recovery rate was 2.76 gpm for well DP-1. The TCZ covers the lateral extent of the TI Zone and includes both the SGZ and GSU.
2. Lateral Hydraulic Containment:
   - North – the extent of the containment zone is delineated by the thinning of the GSU aquifer in the paleochannel.
   - East – the extent of the containment zone is delineated by well SVE-2D. The TI containment zone is also downgradient and delineated by the groundwater flow direction (west/northwest) in the GSU paleochannel.
   - South – the extent of the containment is delineated by well SVE-3D and thinning of the GSU aquifer in the paleochannel.
   - West - the extent of the containment zone is delineated by well S-16B and the thinning of the GSU aquifer in the paleochannel
3. COC Migration and Delineation – The limits of the TCE concentrations above the Performance Standard of 5 µg/L are influenced by advection and primarily contained in the GSU paleochannels. TCE in the GSU is delineated to the north by well SVE-1D and south by well SVE-3D. Although slightly above the Performance Standard of 5 µg/L, well SVE-2D confirms containment of TCE to the east in the GSU. SVE-1D had a notable increase in TCE concentration from 2.2 µg/L in August 2024 to 110 µg/L in August 2025. The increase in TCE concentrations at SVE-1D are likely attributed to the rise in groundwater elevations in the vadose zone as a result of extraction well CRA-5 being offline mobilizing residual COCs.

   Higher concentrations of TCE exist within wells located in the 10-foot and greater more permeable GSU paleochannel which is oriented east-west below the TI Zone. The highest TCE concentration (2300 µg/L in August 2025) is reported from well CRA-15. TCE is reported in the groundwater sample from extraction well CRA-5 at a concentration of 43 µg/L (August 2025). In PER 34, the wells CRA-5 and DP-1 were used to demonstrate the efficacy of containment of the TCE found within the TI zone. With CRA-5 being inoperable for the majority of this PER reporting window, the TCE concentration at CRA-5 decreased significantly. CRA-5 was sampled on July 8th as part of a pump test after the well was repaired, on August 7th in unison with the rest of the extraction well samples, and on September 8th after the extraction well ran continuously for two weeks. The TCE result of extraction well CRA-5 was 240 µg/L in August, 2024, and 46, 43, and 51 µg/L in July, August, and September 2025, respectively. In the July 2025 sample at CRA-5, 1,1-Dichloroethene (1,1-DCE) was reported at 8.7 µg/L, which was the first exceedance of 1,1-DCE over the Performance Standard of 7 µg/L. The subsequent August and September results reported 1, 1-DCE level returning to levels below the Performance standard (6.9 and 3.8 µg/L respectively. The TCE and 1, 1-DCE data gathered at CRA-5 between July and September 2025 again suggest that as CRA-5 remained offline, groundwater elevations rose into the vadose zone mobilizing (i.e., flushing) residual COCs, but have been reduced after resuming routine operation and extraction at CRA-5.

   The flow rate of DP-1 was increased during this reporting period to compensate for the lack of extraction at CRA-5, going from 1.6 gpm to 2.76 gpm.

   Vertical Hydraulic and COC Containment – The Upper Unit 4 Clay is present in the TI Zone at approximately 30 feet thick and acts as a confining to semi-confining layer for the SGZ and GSU. Vertical transport rates would be considerably less by a factor of 10 or more given the low anisotropy ratio associated with clay-rich sediments of the Upper Unit 4 Clay 4. Hence, the potential for advective vertical transport is considered minimal and may be diffusion dominated.

   The Lower Unit 4 Clay exists beneath the TI Zone and provides a barrier for vertical COC migration from the GSU to the RA and acts as confining layer to the RA, therefore creating an upward vertical gradient towards the GSU.

The approximate TCZ, ROI and lateral extent of TCE migration and delineation are shown on **Figure 3.19**. As detailed in items 1 through 4, the SGZ Remedy is providing containment and residual TCE removal in the SGZ and GSU units under the TI Zone.

3.4.2 On-Airport Property

The Performance Standard for remediation of the SGZ outside the TI Zone is (i) to restore the SGZ outside the TI Zone to the Performance Standards set forth in **Table 2.3**, and (ii) to prevent migration of VOCs into the RA or currently clean portions of the SGZ at levels that cause an exceedance of the Performance Standards set forth in **Table 2.3**. The SOW requires the vertical containment of the SGZ such that water quality in the RA and currently clean portions of the SGZ are not impacted. Therefore, the vertical extent of the TCZ in the On-Airport Property is the vertical extent of the 5 µg/L TCE plume boundary, or the bottom of the Unit 4 Clay (**Figure 3.1**).

For this evaluation, the area west of the TI Zone Containment Area to approximately 100 feet west of extraction well DP-1 is defined as On-Airport Property and does not include the TI Zone, as previously discussed in Section 3.4.1. The TCZ for the SGZ in the On-Airport Property is the western Airport Property boundary extending north and south to the limit of the 5 µg/L TCE plume boundary. This area is shown on **Figure 3.19**. The May 2025 and July/August 2025 data, along with historical data, for the SGZ Remedy during pumping conditions has been evaluated. Specifically, extraction wells EW-1 and EW-2R are used for groundwater recovery within the On-Airport Property area.

The following are the conclusions for the defined On-Airport Property:

1. Radius of Influence – During the reporting period at extraction well EW-1, which was installed within a more permeable GSU at an approximate 16-foot thickness, a minimum 100-foot ROI has been created in the GSU as measured during the May and August 2025 monitoring events. During this reporting period the average recovery rate in EW-1 was 19.21 gpm. A smaller ROI exists around extraction well EW-2R of less than approximately 50 feet, which has an average recovery rate of 2.4 gpm during this reporting period. The TCZ includes both the SGZ and GSU. In addition, both of these extraction wells capture hydraulically upgradient GSU groundwater as shown for monitoring wells CRA-11 and SVE-6D (see **Figures 3.10** and **3.11**)
2. Lateral Hydraulic Containment:
   - North – the extent of the containment zone is delineated by well CRA-9. The drawdown created by extraction well EW-1 also creates a gradient from well CRA-34D toward the capture zone. The thinning of the GSU aquifer to the north creates a hydraulic barrier in the paleochannel.
   - East – groundwater within the GSU permeable paleochannel in this area generally flows from the east to west, where continuous or hydraulically connected (see **Figure 3.9** for non-pumping flow in the GSU from baseline). Therefore, any groundwater not recovered by the TI Zone extraction wells will flow toward the capture zones created by extraction wells EW-1 and EW-2R. The containment zone to the east extends approximately to well S-16B and well CRA-52 (slightly northeast of EW-1).
   - South – the extent of the containment to the south is demonstrated by wells CRA-11, SVE-5D and CRA-12 and thinning of the GSU aquifer in the paleochannel, south of these wells.
   - West - the extent of the containment zone is shown as approximately 150 feet west of well EW-1 and EW-2R. The western extent of the containment zone is estimated based on the capture zone created by wells EW-1 and S-38/EW-4 (Off-Airport Property extraction wells).
3. Vertical Hydraulic Containment – The Upper Unit 4 Clay is present in the On-Airport Property and acts as a confining to semi-confining layer for the SGZ and GSU. Vertical transport rates would be considerably less by a factor of 10 or more given the low anisotropy ratio associated with clay-rich sediments of the Upper Unit 4 Clay. Hence, the potential for advective vertical transport is considered minimal and may be diffusion dominated.

   The Lower Unit 4 Clay exists beneath the On-Airport Property (approximately 18-19 feet thick based on boring logs D-2 and D-5) and provides a vertical barrier for vertical COC migration from the GSU to the RA and acts as confining layer for the RA, creating an upward vertical gradient towards the GSU.

4. COC Migration and Delineation – The limits of the TCE concentrations above the Performance Standard of 5 µg/L are influenced by advection and primarily contained in the GSU paleochannels. TCE in the GSU is delineated to the north by well CRA-34D (TCE <5.0 µg/L) and south by well S-2 (TCE 0.87 µg/L), where the more permeable areas of the GSU paleochannel thin out.

   Higher TCE concentrations exist within wells located in the 10-foot and greater more permeable GSU paleochannel which is oriented east-west below the On-Airport Property. The highest TCE concentration (460 µg/L in August 2025) is reported in groundwater sampled from well CRA-52D. TCE is reported in the groundwater sample from well S-16B at a concentration of 260 µg/L (August 2025). The higher TCE concentrations detected in monitoring wells CRA-52D and S-16B, with TCE concentrations declining north and south of these wells, confirm the SGZ Remedy continues to capture residual TCE in SGZ and GSU groundwater in the On-Airport Property, although COC concentrations indicate that asymptotic conditions have been reached for the effectiveness of the SGZ Remedy.

The approximate TCZ, ROI, and lateral extent of TCE migration and delineation are shown on **Figure 3.19**. As detailed in items 1 through 4, the SGZ Remedy is providing containment and residual TCE removal in the On-Airport Property, but COC recovery has reached asymptotic conditions.

3.4.3 Off-Airport Property

The Performance Standard for remediation of the SGZ outside of the TI Zone is to restore the SGZ to the Performance Standards set forth in **Table 2.3**, and (ii) to prevent migration of VOCs into the RA or currently clean portions of the SGZ at levels that cause an exceedance of the Performance Standards set forth in **Table 2.3**. The Performance Standard for the Off-Airport Property requires containment such that water quality in the RA and currently clean portions of the SGZ are not impacted. The SOW requires the vertical containment of the SGZ such that water quality in the RA and currently clean portions of the SGZ are not impacted. Therefore, the vertical extent of the TCZ in the Off-Airport Property is the vertical extent of the 5 µg/L TCE plume boundary, or the bottom of the Lower Unit 4 Clay.

For this evaluation, the area west of the On-Airport Property is defined as Off-Airport Property. The horizontal TCZ for the Off-Airport Property is the eastern edge of the transition zone area where the SGZ/GSU merges with the RA, and the northern and southern extent of the Off-Airport Property TCZ is the 5 µg/L TCE plume boundary. This area is shown on **Figure 3.19**. The May 2025 and July/August 2025 data, along with historical data, for the SGZ Remedy during pumping conditions has been evaluated. Specifically, extraction wells S-38 and EW-4 are used for groundwater recovery within the On-Airport Property area.

The following are the conclusions for the defined Off-Airport Property:

1. ROI – From the location of extraction wells S-38 and EW-4 installed within a more permeable GSU (approximately 9 to 13 feet thick), an approximate 250-foot ROI (conservative ROI used) has been created in the GSU as measured during the May and August 2025 monitoring events. The TCZ includes both the SGZ and GSU. The combined ROIs created by the On and Off-Airport Property extraction wells has created a capture zone capable of recovering COCs horizontally migrating west in the thicker permeable GSU aquifer.
2. Lateral Hydraulic Containment:
   - North – the extent of the containment zone is delineated by wells S-39, CRA-42, and CRA-67D based on the TCE concentrations and the thinning of the GSU aquifer to the north creates a hydraulic barrier in the paleochannel.
   - East – groundwater within the GSU permeable paleochannel in this area generally flows from the east to west (see **Figure 3.9** for non-pumping flow in the GSU). Therefore, any groundwater not recovered by the On-Airport Property extraction wells will flow toward the capture zone created by extraction wells S-38 and EW-4. The containment zone to the east extends approximately to well CRA-57D (slightly northeast of S-38/EW-4).
   - South – the extent of the containment to the south is demonstrated by well EW-4 and thinning of the GSU aquifer in the paleochannel.

- West - the extent of the containment zone to the west is unknown. Monitoring well S-37 has not shown a hydraulic response to SGZ Remedy pumping. Monitoring well S-37 is located within the transition zone. The transition zone is recognized as an area of dynamic interaction between differing groundwater flow systems, rather than simply a line of demarcation beyond which the SGZ and GSU no longer exists. The predominant current hydrogeologic condition in this “area” is the flooding of the SGZ/GSU zones by rising RA water levels where a hydrogeologic connection exists between these units. Extraction well S-38 is pulling in RA water from the west, which limits the capture zone to the west and has created a greater yield in well S-38, contributing to the SGZ Remedy treatment system maximum volume capabilities of 75 gpm.

3. Vertical Hydraulic Containment – The Upper Unit 4 Clay is present in the Off-Airport Property and acts as a confining to semi-confining layer for the SGZ and GSU. Vertical transport rates are considerably less by a factor of 10 or more given the low anisotropy ratio associated with clay-rich sediments of the Upper Unit 4 Clay. Hence, the potential for advective vertical transport is considered minimal and may be diffusion dominated. The Upper Unit 4 Clay decreases in thickness towards the west, as reported in the boring logs for S-37 and D-6.

   The Lower Unit 4 Clay exists beneath most of the Off-Airport Property, with exception to the west near the transition zone, and provides a barrier for vertical COC migration from the GSU to the RA and acts as confining layer for the RA, creating an upward vertical gradient towards the GSU. Near the transition area (S-37 and west) where the Lower Unit 4 Clay is thin or does not exist, there is not a vertical barrier for GSU groundwater. However, the SGZ Remedy in the Off-Airport Property is containing the SGZ and GSU by pumping extraction wells S-38 and EW-4.

4. COC Migration and Delineation – The limits of the TCE concentrations above the Performance Standard of 5 µg/L are influenced by advection and primarily contained in the GSU paleochannels.

   Higher concentrations of TCE exist within wells located in the 10-foot and greater more permeable GSU paleochannel which is oriented east to west/southwest below the Off-Airport Property. The highest TCE concentrations are reported in groundwater sampled from the extraction well S-38 and monitoring well S-26 (27 µg/L and 42 µg/L respectively) located within the capture zone created by pumping extraction wells S-38 and EW-4. TCE concentrations declining north and south of these wells, confirm the SGZ Remedy continues to capture residual TCE in SGZ and GSU groundwater in the Off-Airport Property, although COC concentrations indicate that groundwater from the GSU is being diluted by the volume of RA water being pulled in and treated via extraction wells S-38, and to a lesser extent EW-4.

The approximate TCZ, ROI, and lateral extent of TCE migration and delineation are shown on **Figure 3.19**. As detailed in items 1 through 4, the SGZ Remedy is providing containment and residual TCE removal in the Off-Airport Property but is influenced by the rising RA water levels.

3.5 Discussion/Conclusions

Based on a review of the current and historical data for the SGZ Remedy, the following are concluded:

– The COC impacts in the SGZ and GSU are a result of historical releases and are primarily associated with the paleochannel areas where the GSU permeable materials are the thickest (5 to 16 feet) and decrease in concentrations as the permeable materials decrease in thickness. The paleochannels serve to control the horizontal migration to the north and south of the Airport Property.

– Residual COC horizontal migration is primarily through advection in the GSU and captured by the SGZ Remedy extraction wells, and recovery is further enhanced by the hydraulic gradients for overall groundwater flow outside of the capture zone areas.

– For SGZ groundwater quality during the August 2025 sampling event, TCE concentrations ranged from ND (less than 0.5 µg/L) to 770 µg/L (CRA-52S). In general, the greater concentrations are reported in groundwater sampled from the active GSU recovery wells and in nearby monitoring wells located in the more-permeable thicker GSU materials in the paleochannel. TCE concentrations are lower in areas delineated to the north and south by the less-permeable materials that exists where the GSU permeable materials thin out.

- The SGZ Remedy is operating as designed with appropriate containment and residual TCE removal for the TI Zone in spite of the extraneous influences attributed to the rising RA water levels. COC concentrations in extraction wells indicate that COC concentrations have reached asymptotic conditions limiting the effectiveness of the SGZ Remedy for COC recovery.
- Higher concentrations of TCE exist within wells located in the 7.5- to 16-foot more permeable GSU paleochannel which is oriented east-west below the On-Airport Property. The highest TCE concentration (2300 µg/L in August 2025) is reported in groundwater sampled from monitoring well CRA-15. TCE is reported in the groundwater sample from monitoring well CRA-52D at a concentration of 460 µg/L (August 2025). The higher TCE concentrations detected in groundwater sampled from wells CRA-52D and CRA-15, with TCE concentrations declining north and south of these wells, confirm the SGZ Remedy continues to capture residual TCE in SGZ and GSU groundwater in the On-Airport Property. COC concentrations have reached asymptotic conditions limiting the effectiveness of the SGZ Remedy for COC recovery.
- The SGZ Remedy is providing containment and residual TCE removal for the On-Airport Property. COC concentrations have reached asymptotic conditions limiting the effectiveness of the SGZ Remedy for COC recovery.
- Higher concentrations of TCE exist within wells located in the 9- to 13-foot more permeable GSU paleochannel which is oriented east to west/southwest below the Off-Airport Property. Higher concentrations of TCE exist within wells located in the 10-foot and greater more permeable GSU paleochannel which is oriented east to west/southwest below the Off-Airport Property. The highest TCE concentrations are reported in groundwater sampled from the extraction wells (S-38 and EW-4) and monitoring wells (CRA-7 and S-21B) located within the capture zone created by pumping extraction wells S-38 and EW-4. TCE concentrations declining north and south of these wells, confirm the SGZ Remedy continues to capture residual TCE in SGZ and GSU groundwater in the Off-Airport Property. Based on the decrease in COC concentrations in extraction wells S-38 and EW-4 from baseline (August 2007) through August 2025 and the total volume of groundwater extracted from these two wells (S-38 and EW-4) is over half the total volume of groundwater recovered by the system indicate the RA groundwater is mixing with the GSU groundwater.
- Extraction well S-38 is pulling in RA water from the west, which limits the capture zone to the west and has increases the yield at well S-38, contributing to the SGZ Remedy treatment system maximum volume capabilities of 75 gpm.
- TCE concentrations within the RA wells sampled in August 2025 were reported at low concentrations. The greatest TCE concentrations were reported in On-Airport property monitoring wells D-1, D-2 and, D-5 with the greatest concentration of 55 µg/L (well D-2). The higher TCE concentrations in D-1, D-2, and D-5 are not the result of downward migration of contaminants from the SGZ/GSU but a result from the AFP44 treatment system and residual AFP44 TCE plume. As discussed in the Revised CSM (GHD, 2024a), an 18- to 30-foot-thick clay aquitard (Lower Unit 4 Clay) separates the SGZ/GSU from the RA under the TI Zone and most of the Airport Property.
- The upward vertical hydraulic gradient created by the confining Lower Unit 4 Clay between the RA and the GSU prevents downward vertical TCE migration from the SGZ and GSU to the RA, where the Lower Unit Clay 4 Unit exists. The COC concentrations reported in the RA monitoring wells on the Airport Property are associated with the hydraulically upgradient AFP treatment system and TCE plume.

4. SGZ Remedy Extraction and Treatment Performance Evaluation

4.1 Introduction

This evaluation summarizes the performance of the SGZ Remedy groundwater extraction and treatment system from March 1, 2025, through August 31, 2025. Data collected in support of the SGZ Remedy evaluation are summarized in Section 4.2, an evaluation of the SGZ extraction and treatment system operation is provided in Section 4.3, and conclusions are presented in Section 4.4. Based on the performance evaluation, recommendations for continued operation of the SGZ Remedy are provided in Section 4.4.

4.2 Data Collection

SGZ System data are collected to assess two distinct areas: the performance of the SGZ System and the effect of the extraction system on the groundwater chemistry and hydrogeology. The data collection requirements are specified in the FSP (CRA, 2007a) and the QAPP (CRA, 2007b).

The data collection frequency specified in the FSP (CRA, 2007a) and the QAPP (CRA, 2007b) are based on a start date of July 27, 2007 (refer to Section 1.2 for background on this date) and only include monitoring for the first 3 years. A revised Year 3 sampling and monitoring program for November 2009 through October 2010 was submitted to EPA in a letter dated November 20, 2009 (CRA, 2009), to address the proposed collection of additional data beyond that initially required in the FSP and QAPP. This monitoring program was approved by EPA in a letter dated January 14, 2010. Additional monitoring and sampling schedules for each 1-year period were subsequently proposed in the even-numbered PERs submitted to EPA.

4.2.1 SGZ Treatment System Data

SGZ treatment system data collection includes operational data and analytical data. The sampling and analytical requirements for the groundwater extraction wells are provided in **Table 3.1**. The summary of SGZ sampling and analytical requirements for the treatment system are provided in **Table 4.1**. Process water and air samples were collected in accordance with the procedures specified in the FSP, (CRA, 2007a), and were analyzed in accordance with the QAPP (CRA, 2007b), unless otherwise noted in this report.

Operational data is automatically collected and recorded by the SCADA system located in the Main Control Building at the treatment facility. This section summarizes the data that were utilized to evaluate the performance of the extraction and treatment system in order to monitor and verify that the SGZ Remedy Performance Standards are attained.

Table 4.1 specifies the following extraction and treatment system sampling for Routine Operation for the 1-year period from November 2024 through October 2025:

- Extraction Wells: Annual – see **Tables 4.2**, **4.3**, and **4.4** for the TI Zone, On-Airport, and Off-Airport Property Extraction Well groundwater analytical results, respectively.
- Combined Influent: Monthly – see **Table 4.5** for the Combined Influent process water analytical results.
- Facility Discharge: Monthly – see **Table 4.6** for the Facility Discharge water analytical results.
- Air Stripper Water Discharge: Quarterly – see **Table 4.6** for the Air Stripper Water Discharge analytical results.
- Air Stripper Off-Gas: Quarterly – see **Table 4.7** for the Air Stripper Off-Gas (also referred to as the vapor phase carbon influent) analytical results.
- Vapor Phase Carbon Discharge: Quarterly – see **Table 4.8** for the Vapor Phase Carbon Discharge analytical results.

– **Table 4.9** specifies the proposed Routine Operation schedule for the upcoming 1-year period from November 2025 through October 2026.

Dilutions of samples by the laboratory for samples with a high concentration of one or more compounds are part of the standard method used to quantify the compounds. As a result, the reporting limits for other compounds may be raised by an order of magnitude or more above their standard reporting limits. Samples that required dilution are identified in their respective tables. Note that the reporting limits for all compounds for all discharge water samples (**Table 4.6**) are reported at or below their respective Performance Standards. Analytical chemistry validation memoranda prepared by the project chemist for each sampling event are included **Appendix D**. Final laboratory analytical data reports for the above-noted sampling are provided in **Appendix E.**

Due to humidity in the air stream and very low concentrations of VOCs extracted by the SGZ system, neither a photoionization detector (PID) nor a flame ionization detector (FID) is capable of accurately detecting concentrations or tracking the mass transfer zone (MTZ) through the bed of the SGZ carbon (monitoring using a PID was discontinued shortly after startup in 2007, as the data could not be used to quantitatively or qualitatively assess the location of the MTZ). Therefore, PID and FID monitoring is not conducted for the influent or effluent stream of the SGZ carbon vessel, or along the vessel side ports.

The operational data that are recorded by the SCADA system are identified in the updated O&M Manual (CRA, 2013b). Specific operational data required to evaluate the performance of the groundwater extraction and treatment system are discussed in Section 4.3.

4.3 Extraction and Treatment System Performance Evaluation

This section provides a summary and overview of the operational performance of the SGZ Remedy groundwater extraction and treatment system during the reporting period.

Monthly operational reports were submitted by the O&M Contractor to the Agencies for the months of March 2025 through August 2025. These reports provided a monthly overview of the operational conditions for the SGZ extraction and treatment system during the reporting period and included a summary of the maintenance performed and shutdowns for the month.

Data is presented for operational performance parameters (e.g., flow volumes, TCE concentrations at wells, cumulative VOC mass removal, and rate changes) for the SGZ system and is provided **Appendix B**. These graphs and table present historical and recent data from system startup (August 2007) through the reporting period and are provided to show trends that highlight changes in the system operation or water quality.

4.3.1 Operational Run-Time and Flow Volumes

The SGZ groundwater extraction and treatment system was operational for the majority of the reporting period (98.5 percent treatment system total reporting period uptime) with downtime discussed below.

Water levels in the extraction wells were monitored to ensure that the water levels did not decline below the pump intakes (the Programmable Logic Controller program automatically shuts down an extraction well pump if the water level drops below a preset low level). As the water levels in the extraction wells are relatively stable following more than 10 years of system operation, the water levels rarely drop below the “approaching low level” warning. If an “approaching low level” warning is annunciated on the SCADA screen, then the O&M Contractor will manually adjust the flow rate set-point slightly lower to avoid a potential pump shut down from a low water level.

Adjustments to the flow rate set-point by the O&M Contractor are documented in weekly status updates and reviewed by the SP and Supervising Contractor.

The month-end extraction well flow rates and water levels above pump intake on the last day of each month of the reporting period were as follows:

Well	Design Flow Rate (gpm)	Month End Flow Rates[1] (gpm)/Water Level Above Pump Intake[1] (ft)					
		March 2025	April 2025	May 2025	June 2025	July 2025	Aug 2025
DP-1	3	2.2/14.0	3.0/8.3	3.0/8.3	2.5/7.2	3.0/7.1	2.9/4.9
CRA-5[3]	7	0.0/NA	0.0/NA	0.0/NA	0.0/NA	0.0/NA	4.7/Failed[4]
EW-1	20	18.4/23.9	19.5/22.4	19.5/22.4	19.5/23.3	19.5/23.0	19.7/22.3
EW-2R	3	1.8/18.3	2.5/12.9	2.5/12.9	2.7/11.2	2.7/21.9	2.7/9.5
EW-4	25	8.0/15.2	3.0/27.8	3.0/27.8	3.1/29.7	3.1/31.2	3.1/Failed[4]
S-38	27[2]	33.6/21.7	29.1/22.6	29.1/22.6	29.0/21.1	33.9/30.5	33.9/Failed[4]
Month-end Flow Rate Totals (gpm)		64.0	57.1	57.1	56.8	62.2	62.3

Notes: [1] This data is provided by the O&M Contractor from the SCADA trends.
[2] An extraction rate of 27 gpm was estimated based on a pump test in January 2014. Refer to the Thirteenth PER (CRA, 2014a) for a discussion of the addition of this extraction well.
[3] CRA-5 was offline for well repairs and pump replacement from October 14, 2024 through August 25, 2025.
[4] Water level probe failed due to electrical corrosion.

CRA-5 was offline for well repairs and pump replacement from October 14, 2024 through August 25, 2025. The SGZ treatment system utilized five extraction wells to pump groundwater to the treatment system during the reporting period, until CRA-5 was restored online on August 25, 2025.

Monthly run-times and uptime percent for each of the extraction well pumps are as follows:

Pump	Monthly Run-time[1] (hours)/(Uptime Percent)					
	March 2025	April 2025	May 2025	June 2025	July 2025	Aug 2025
DP-1	744/100.0	720/100.0	744/100.0	718/99.7	741/99.6	744/100.0
CRA-5[2]	0/0.0	0/0.0	0/0.0	0/0.0	1/0.1	155/20.9
EW-1	744/100.0	720/100.0	744/100.0	718/99.7	741/99.6	744/100.0
EW-2R	744/100.0	720/100.0	744/100.0	718/99.7	741/99.6	736/98.9
EW-4	744/100.0	668/92.7	744/100.0	718/99.7	741/99.6	744/100.0
S-38	744/100.0	720/100.0	744/100.0	718/99.7	741/99.6	744/100.0
Discharge Pump	710/95.4	719/99.8	744/100.0	715/99.4	719/96.6	744/99.9

Notes: [1] This data is provided by the O&M Contractor and is included in the monthly O&M reports.
[2] CRA-5 was offline for well repairs and pump replacement from October 14, 2024 through August 25, 2025.

Monthly operational reports submitted to the EPA by the O&M Contractor document the daily, monthly, and statistical run-times for the treatment system in detail. A description of system downtimes was provided in the Monthly Operational Reports, and is also outlined below:

– July 15, 2025: The system was non-operational for 2 hours due to an extreme rain event

Charts of extraction well flow rates and pumping water levels, and a table summarizing the flow rate changes and shutdowns, are presented in **Appendix B**. Well rehabilitation of the extraction wells is performed periodically based on trends in water levels in the extraction wells, discharge flow rates, and time since the last rehabilitation, as discussed further below. The water levels in the extraction wells are monitored to determine when rehabilitation will be required. Well rehabilitation acitivities were most recently completed in October 2024 at DP-1, EW-1, EW-2R, RW-1, and S-38. Additional well rehabilitaitons were performed in April 2025 at SVE-1, SVE-2, SVE-3, SVE-4, and EW-4. Photo logs displaying the post-redevelopment conditions of the wells were provided in the PER 25 Response to Comments.

Monthly volumes of groundwater extracted, treated, and discharged by the treatment system from March 1, 2025 to August 31, 2025 are as follows:

Well	Monthly Extracted Groundwater Volume[1] (in gallons)					
	March 2025	April 2025	May 2025	June 2025	July 2025	Aug 2025
DP-1	95,489	108,744	133,911	127,479	133,955	134,478
CRA-5[3]	0	0	0	0	56[4]	43,991
EW-1	827,424	806,400	870,480	839,670	867,068	873,072
EW-2R	80,731	90,755	111,709	110,163	120,458	118,970
EW-4	363,168	325,637	138,096	131,622	136,824	137,376
S-38	1,201,705	1,249,888	1,297,434	1,251,056	1,284,168	1,267,813
Discharge Pump[2]	2,583,320	2,674,740	2,694,060	2,602,080	2,702,270	2,725,590

Notes: [1] These data are provided by the O&M Contractor and is included in the monthly O&M reports.
[2] Total discharged to reinjection well includes monthly extracted groundwater, KOP, RW-1 backwash, and facility sump totals.
[3] CRA-5 was offline for well repairs and pump replacement from October 14, 2024 through August 25, 2025.
[4] The extracted groundwater from CRA-5 in July 2025 was to test the pump after installation.

From March 1, 2025 to August 31, 2025, approximately 15,279,789 gallons of groundwater were extracted and treated by the SGZ treatment system. The total groundwater extracted by each extraction sub-system from March 1, 2025, to August 31, 2025 is as follows:

- TI Zone: 778,103 gallons (1,166,019 gallons)*
  - DP-1: 734,056 gallons (406,376 gallons)*
  - CRA-5: 44,047 gallons (759,643 gallons))*
- On-Airport Property: 5,716,899 gallons (4,382,512 gallons)*
  - EW-1: 5,084,114 gallons (3,984,161 gallons)*
  - EW-2R: 632,786 gallons (398,351 gallons)*
- Off-Airport Property: 8,784,787 gallons (7,574,299 gallons)*
  - EW-4: 1,232,723 gallons (1,678,734 gallons)*
  - S-38: 7,552,064 gallons (5,895,565 gallons)*

* Parentheses indicates the volume extracted during the previous 6-month period (Thirty-fifth PER).

Flow rate optimization adjustments continue to be made to ensure maximum extracted groundwater volume is achieved. While extraction well CRA-5 was offline for repairs during the reporting period, flow rate adjustments were made to the remaining extraction wells in order to meet the treament facility's required inffluent volume for continued operation of the plant. Extreme rain events and failures of older equipment, specifically AC units, have resulted in system down time. Extracted groundwater monthly flow volume trends for each extraction well from start-up to August 2025 are provided in **Appendix B**.

As described in Section 1.3, TCE is the predominant COC found in the SGZ groundwater monitoring and extraction wells that exceeds the Performance Standards, therefore TCE is used as the surrogate for evaluation of the process water extraction and treatment system performance.

TCE concentrations for the extraction well groundwater samples collected during the Baseline sampling event and the prior monitoring period are as follows:

Well	TCE Concentration (µg/L) [1]		
	Aug 2007[2]	February 2025	August 2025
DP-1	3,700	510	410
CRA-5	26,000	NS	43
EW-1	870	94	63
EW-2R	620	41	43
EW-4	340	66	5.7
S-38[3]	440[4]	37	27

Notes: µg/L – micrograms per liter
[1] TCE discharge Performance Standard is 5 µg/L
[2] Baseline samples were collected at start-up of the SGZ system in August and September 2007
[3] S-38 began routine pumping as an extraction well on February 14, 2014
[4] Result is from March 2007 (prior to use as an extraction well)
NS – Not sampled due to CRA-5 being offline for well repairs and pump replacement from October 14, 2024 through August 25, 2025.

Since start-up, overall TCE concentrations have dropped significantly at all extraction wells, with decreases ranging from 90 to 99 percent. TCE concentration trends for the extraction wells from start-up to August 2025 are provided in **Appendix B**.

4.3.2 Air Stripper

A summary of the monthly TCE concentrations in the combined influent to the Air Stripper (see **Table 4.5** for detailed analytical results) and the monthly TCE discharge concentrations (see **Table 4.6** for detailed analytical results) are as follows:

Compound	Combined Influent and Discharge Concentrations (µg/L)					
	March 2025	April 2025	May 2025	June 2025	July 2025	Aug 2025
Influent TCE[1]	61	51	60	61	63	57
Discharge TCE[1]	ND	ND	ND	ND	ND	ND

Notes: [1] TCE discharge Performance Standard is 5 µg/L

Laboratory results of the air stripper process water effluent and the air stripper removal efficiency have continually shown that the remedy consistently treats extracted groundwater to below the Performance Standards for all VOCs (see **Table 4.6**).

TCE concentration and mass removal trends for the Air Stripper from start-up to August 2025 are provided in **Appendix B**.

The influent TCE concentration, monthly TCE removal efficiency, and mass of TCE removed from the groundwater for the reporting period are as follows:

Compound	Combined Influent and Discharge Concentrations (µg/L)					
	March 2025	April 2025	May 2025	June 2025	July 2025	Aug 2025
Influent TCE[1] (µg/L)	61	51	60	61	63	57
TCE Removal Efficiency[2]%	100	100	100	100	100	100
TCE Removed[3]	1.29	1.10	1.26	1.24	1.33	1.21

Notes: [1] TCE discharge Performance Standard is 5 µg/L
[2] The TCE removal efficiency is calculated based on the TCE influent and effluent concentrations (**Tables 4.5** and **4.6**,

Compound	Combined Influent and Discharge Concentrations (µg/L)					
	March 2025	April 2025	May 2025	June 2025	July 2025	Aug 2025
respectively) and uses a value of ¼ of the laboratory reporting limit for NDs (3) Values obtained from the O&M Contractor's monthly O&M reports using the following formula: [density of water (8.34 lbs/gal) * TCE influent average concentration (µg/L) * total extracted groundwater (gal)] / 10^9 lbs lbs - pounds gal - gallons						

The mass of TCE removed from the groundwater each month is based on influent TCE concentration and volume of water treated. The treatment system operated effectively at greater than 99 percent TCE removal efficiency during the reporting period.

4.3.3 Reinjection Well

Treated water is discharged to the reinjection well (RW-1) located southeast of the treatment facility (shown as RW-01 on **Figure 2.1**). Cleaning of the reinjection well screen was last conducted in October 2024 as part of a preventative maintenance schedule to remove residual scale that may have formed along the screened interval of the well casing.

The water level in the reinjection well fluctuates primarily based on the flow rate from the effluent tank transfer pump, and is also impacted by the operation of the AFP44 system which influences the RA in addition to the GSU and SGZ. The need for well rehabilitation for the reinjection well is reviewed periodically, with a current rehabilitation schedule ranging from every 3 to 5 years to remove the build-up of scale along the well screen.

4.3.4 Shallow Groundwater Zone Vapor Phase Carbon

Analytical results from the quarterly SGZ system influent and effluent air samples are provided in **Tables 4.7** and **4.8**. The monthly vapor phase carbon TCE removal efficiency for the reporting period is listed in the following table:

Compound	SGZ Vapor Phase Carbon TCE Removal Efficiency	
	May 2025	August 2025
% TCE Removal Efficiency(1)	100	100
Note: (1) The TCE removal efficiency is calculated based on the TCE influent and effluent concentrations (Tables 4.7 and 4.8, respectively) and uses a value of ¼ of the detection limit for NDs		

Analytical results from both the May 2025 and August 2025 sampling events show that greater than 99 percent of the TCE was removed by the carbon. The maximum VOC discharge during the reporting period was calculated to be 0.017 lbs per day (lbs/day) (see Table 4.8). This is significantly below the Performance Standard of 15 lbs/day.

As indicated initially in the fourth PER (CRA, 2010d), and as discussed during a meeting with the Agencies in December 2009, no effective techniques have been identified to monitor the carbon for potential VOC breakthrough at such a low influent loading. Since the influent concentrations are low, exceeding the Performance Standard of 15 lbs/day is not possible, even with no VOC removal through granular activated carbon (GAC) vessels; therefore, operation will continue until breakthrough is detected, at which time a carbon change-out will be scheduled.

4.4 SGZ Remedy Conclusions and Recommendations

Operational performance of the SGZ treatment system averaged 98.5 percent uptime for the reporting period. The SGZ treatment system achieved groundwater treatment Performance Standards from March through August 2025. However, COC concentrations have reached asymptotic conditions limiting the effectiveness of the SGZ Remedy for COC recovery.

GHD continues to evaluate potentially detiorating system components for repair and replacement and will provide recommendations for control system upgrades, and necessary replacements as needed. The treatment system

SCADA system is scheduled for a second phase of hardware and software updates in the next reporting period, to replace obsolete system components with current versions that are supported by manufacturers.

Regular inspection and cleaning of the extraction wells and reinjection well to remove iron bacteria fouling, if required, as well as predictive preventative maintenance, will continue on an annual basis to ensure that the uptime for the extraction system is maximized. Flow rate adjustments will continue to be tested and reviewed to ensure maximum extracted groundwater volume is achieved.

The proposed annual SGZ Remedy sampling program for the upcoming 1-year period from November 2025 to October 2026 is listed in **Table 4.9**.

5. TI Zone SVE Remedy Performance Evaluation

5.1 Introduction

This section provides the semi-annual TI Zone SVE Remedy Performance Evaluation and includes a summary and overview of the operational performance of the TI Zone SVE Remedy from March 1, 2025 through August 31, 2025.

5.1.1 Background

The “start-up and shakedown” operation of the TI Zone SVE Remedy commenced on July 27, 2007, as approved by EPA in a letter dated July 24, 2007. Routine operation of the TI Zone SVE Remedy commenced on October 29, 2007, based on approval of the CIR (CRA, 2007c) on October 28, 2007. Based on discussions between the Project Coordinator and the EPA Project Manager, the SP commenced the FSP (CRA, 2007a) and QAPP (CRA, 2007b) specified monitoring effective July 27, 2007 (and not October 29, 2007), to ensure that the operation of the TI Zone SVE and treatment system was effectively monitored during the start-up and shakedown period.

Data collected in support of the TI Zone SVE Remedy evaluation for the reporting period are summarized in Section 5.2, an evaluation of the TI Zone SVE treatment system operation for the reporting period is provided in Section 5.3, and an evaluation of the TI Zone SVE Remedy containment for the reporting period is provided in Section 5.4. Based on the evaluations, recommendations for continued operation of the TI Zone SVE Remedy are provided in Section 5.5.

5.1.2 Vadose Zone and SVE Well Details

As described in Section 2.2 of the Thirteenth PER (CRA, 2014a), there are four reasonably distinct lithostratigraphic units at the Site that are differentiated between the ground surface and the top of the RA. The Vadose Zone is comprised of Units 1, 2, and 3, and the upper portion of the Upper Unit 4 Clay. Based on the stratigraphy of the Site in the area of the Three Hangars, Unit 2 is typically present from 10 to 50 ft bgs, Unit 3 is typically present at 50 to 90 ft bgs, and Unit 4 is typically present at 90 to 130 ft bgs.

A Vadose Zone Treatability Study (Treatability Study) (CRA, 1996) was conducted in March 1996, which consisted of test runs of one SVE well screened separately in Units 2, 3, and 4 in the TI Zone using 10 ft of well screen per unit. During the Treatability Study (CRA, 1996), extracted soil vapor flow rates of up to 70 cubic feet per minute were achieved in the upper soils (Units 2 and 3) of the Three Hangars area. These flow rates were achievable at well head vacuums of up to 15 in. of Hg for Units 2 and 3. Extracted vapor flow rates of 5 to 20 cubic feet per minute in the deeper, saturated Unit 4 were achievable at well head vacuums of up to 24 in. of Hg. Effective ROIs of greater than 100 ft were observed in both Units 2 and 3. Vertical containment is expected over the length of the entire screened section of each SVE well, in addition to a hemispherical zone of influence above and below the end of the well screen with respect to the soil permeability.

The TI Zone SVE system includes four SVE well nests (SVE-1 through SVE-4 well vaults) connected to a central extraction and treatment system. Each TI Zone SVE well nest consists of one SVE well screened within Units 2 and 3 (designated with a 'U' for upper), and one SVE well screened within Unit 4 (designated with an 'L' for lower). Each extraction well is connected with dedicated below ground piping to separate blowers in the treatment system to allow better control of vapor extraction from the different units. A summary of the TI Zone SVE well construction details is provided below.

Summary of SVE Well Construction Details					
SVE Well	**Well Diameter (in.)**	**Depth of Well (ft bgs)**	**Screened Interval Below Grade (ft bgs)**	**Sand Pack Intervals (ft bgs)**	**Hydrogeologic Unit**
SVE-1U	4	75	40-50 65-75	35-57 60-117	2 3
SVE-1L	4	130	125-130	120-130	4
SVE-2U	4	75	40-50 65-75	35-57 60-117	2 3
SVE-2L	4	130	125-130	120-131	4
SVE-3U	4	65	30-40 55-65	25-47 50-102	2 3
SVE-3L	4	120	110-120	150-132	4
SVE-4U	4	75	35-45 65-75	30-57 60-107	2 3
SVE-4L	4	123	115-120	110-122	4

To evaluate the effective area of influence from the TI Zone SVE wells, and to confirm that an adequate containment zone is achieved by the TI Zone SVE system, four MPSG observation wells (S-5, S-10, S-11, and S-16) are monitored at the frequency specified in the FSP (CRA, 2007a). In addition to these observation wells, three MPSG observation wells (S-6, S-14, and S-27) located at greater distances from the extraction wells are also monitored to evaluate the effectiveness of the TI Zone SVE system. Each MPSG well consists of five soil vapor monitoring probes, with probe #1 installed closest to groundwater and probe #5 installed closest to ground surface. A large percentage of MPSG lower vapor probes are installed within the same sand pack as groundwater. Standard practice for monitoring soil gas concentrations includes installation of the vapor probe in a dedicated sand pack interval (above the groundwater sand pack) in the vadose zone for collection of representative soil gas samples. Soil vapor probe #1 at S-10, S-11, S-16, S-6, and S-14 were installed within the groundwater sand pack and soil gas monitoring at these probes is likely influenced by rising groundwater levels due to well construction. The soil gas probes each consist of a high density polyethylene (HDPE) probe tip mounted on 0.25-inch diameter stainless-steel tubing that extends to the surface (DBS&A, 1996). In the well vaults, each stainless-steel tube has flexible HDPE tubing fitted with a quick-connect coupling to allow easy connection for pressure/vacuum measurements during soil gas monitoring. A summary of MPSG well construction and depth of each of the soil gas probes is summarized in the following table.

Summary of MPSG Well Construction Details					
Well	**Depth of Well (ft bgs)**	**Groundwater Screened Interval Below Grade (ft bgs)**	**Well Diameter (in.)**	**Soil Gas Probe Identification and [Depth (ft bgs)]**	**Length of Sand Pack at Soil Gas Probe Screen (ft bgs)**
S-5	103.6	88.2-98.2	4	5 [5] 4[25.5] 3 [45.5] 2 [65.5] 1 [75.5]	NA 22.6-27.2 42.5-47.5 62.5-67.35 72.5-77.5
S-10	103.5	88-98	2	5 [5] 4 [23] 3 [36] 2 [60] 1 [81]^{water}	NA 20.6-25.5 32.9-38.4 57.3-62.5 78.7-103.5
S-11	100.9	85-95	2	5 [5] 4 [23] 3 [47.5] 2 [64] 1 [82]^{water}	NA 20.6-25.7 45.2-49.7 61.5-66.75 79.6-100.9
S-16	104.1	88.2-98.2	2	5 [5] 4 [23] 3 [38] 2 [58] 1 [80]^{water}	NA 20.4-25.5 35.4-40.3 55.3-60.3 77.5-104.1
S-6	100.0	87.2-97.2	2	5 [5] 4 [25] 3 [43] 2 [60] 1 [85]^{water}	NA 22.5-27.7 40.1-46.3 56.7-62.3 81.8-103
S-14	104.7	87.2-102.2	2	5 [5] 4 [28] 3 [43] 2 [61] 1 [77]^{water}	NA 25.3-30.2 40.3-45.6 58.4-63.6 74-105.8
S-27	102.1	87.1-102.1	2	5 [5.5] 4 [24] 3 [43] 2 [60] 1 [80]	NA 21.4-26.5 40.4-44.8 57.6-62.7 77.2-85.7
Note: water = soil vapor probe located in the groundwater sand pack.					

The University of Arizona (U of A) installed soil gas/vapor pressure monitoring wells in the TI Zone in 2008 and 2012/2013 as part of U of A research studies/grants, as discussed below.

U of A 2008 Activities

Soil gas vent wells were installed in two of the U of A investigative soil borings located within the TI Zone in November 2008. The vent wells CRA-25 and CRA-28 were temporarily capped to prevent ambient air from being drawn into the formation. In July 2009, modifications at the wellheads of the vent wells were made to incorporate the vent wells (as passive wells) into the TI Zone SVE system to facilitate additional air movement through the center of the TI Zone and to facilitate more efficient removal of soil gas. On July 17, 2009, the valves on the passive wells were initially opened and the wells were incorporated into the TI Zone SVE system operation. A summary of the vent well construction details is provided below:

Summary of Passive Vent Well Construction Details					
Well	**Well Diameter (in.)**	**Depth of Well (ft bgs)**	**Screened Interval Below Grade (ft bgs)**	**Sand Pack Intervals (ft bgs)**	**Hydrogeologic Unit**
CRA-25	2	95	45-95	45-95	2, 3
CRA-28	2	86	25-85	24-86	2, 3

U of A 2012 and 2013 Activities

Four multi-port monitoring wells were installed in the U of A investigative soil borings located within the TI Zone in March and April 2012. The work was performed as part of an environmental research and development project by U of A, with an overview of the work scope and schedule submitted to EPA on January 24, 2012. The multi-port monitoring wells, CRA-47 through CRA-50, were screened at multiple depths within the vadose zone to allow monitoring of the soil gas vacuum during future U of A investigative work scheduled for late 2012. A summary of the monitoring well installations was discussed in the Construction Completion Letter Report for Six Soil Borings, including Four Vadose Zone Multi-Port Monitoring Wells (CRA, 2012c).

The scope of work and a schedule for additional field activities conducted by U of A in 2012/2013 was provided to EPA in a letter dated August 22, 2012. In November 2012, U of A initiated a soil gas survey in the TI Zone, which consisted of baseline sampling of eight soil gas monitoring wells during system operation, and then rebound monitoring over the ensuing 6 weeks with the TI Zone SVE system shut-down. In May through July 2013, U of A conducted Contaminant Mass Discharge and Vapor-Phase Tomography tests in the TI Zone. The tests were conducted by U of A to assess the rate of mass discharge of VOCs from low-permeable zones within the TI Zone, and to investigate the locations of the VOC mass three-dimensionally within the TI Zone.

Figure 5.1 provides a plan view layout of the SVE wells and observation wells in the TI Zone, RRS SVE-7, and RRS SVE-6 vicinities, with cross-section locations. **Figure 5.2** and **Figure 5.3** show east-west and north-south trending cross-sections, respectively, through the TI Zone and immediate vicinity. The cross-sections present the lithostratigraphic units, SVE well screened intervals, vadose zone soil vapor port screened intervals, and other pertinent well construction and geologic information.

5.2 Data Collection

The data collected to monitor the performance of the TI Zone SVE Remedy from March 1, 2025 to August 31,2025, are summarized herein. Monitoring during this reporting period is based on the monitoring schedule for the current 1-year period from November 2024 to October 2025, included in **Table 5.1**.

5.2.1 TI Zone SVE Treatment System Data

The TI Zone SVE treatment system data collection includes operational data and analytical data. The sampling and analytical requirements for the TI Zone SVE and treatment system for the period of November 2024 through October 2025 are provided in **Table 5.1**. Air samples were collected in accordance with the procedures specified in the FSP (CRA, 2007a), and analyzed in accordance with the QAPP (CRA, 2007b).

Operational data is automatically collected and recorded by the SCADA system located in the Main Control Building at the treatment facility. Operational data is provided to the Agencies by the O&M Contractor in the monthly operational reports. This section summarizes the data that were utilized to evaluate the performance of the TI Zone SVE and treatment system in order to monitor and verify that the TI Zone SVE Remedy Performance Standards are attained.

The treatment system sampling schedule for this reporting period is as follows:

– SVE Wells: quarterly - see **Table 5.2** for the extraction well analytical results.
– GAC Influent: quarterly - see **Table 5.3** for the GAC influent analytical results.
– GAC Off-Gas: quarterly - see **Table 5.4** for the GAC Off-Gas analytical results.
– **Table 5.5** specifies the proposed Routine Operation schedule for the upcoming 1-year period from November 2025 through October 2026.

Analytical chemistry validation memoranda prepared by the project chemist for each sampling event are included in **Appendix D**. Final laboratory analytical data reports for the above-noted sampling are provided on compact disc in **Appendix E**.

Analyses of the TI Zone SVE carbon for Volatile Mass/Xylene Mass were last collected in September 2009 and are no longer collected (as noted in the fifth PER [CRA, 2010c]), as the data failed to provide useful information. Monitoring of the process air stream using an FID was last performed in August 2011 (as noted in the Eighth PER [CRA, 2012b]) and was discontinued due to VOC concentrations in the influent being below accurate measurement capabilities of the FID instrument TI Zone SVE carbon sampling is described and results evaluated in Section 5.3.2.

The operational data that are recorded by the SCADA system are identified in the updated O&M Manual (CRA, 2013b). Specific operational data required to evaluate the performance of the TI Zone SVE and treatment system are discussed in Section 5.3.

5.2.2 Soil Gas Monitoring

TI Zone soil gas data collection includes collecting vapor samples and vacuum readings from MPSG monitoring wells at or near the TI Zone. The soil gas monitoring requirements are specified in **Table 5.1** and are based on the recommendations specified in the Eighth PER (CRA, 2012b). Three additional MPSG monitoring wells (S-6, S-14, and S-27), not required to be monitored by the FSP (CRA, 2007a) and QAPP (CRA, 2007b), were also monitored for vacuum to evaluate the ROI within the TI Zone. Soil gas samples from the soil gas monitoring wells are only required to be collected once the SP determines that the soil gas Performance Standards have been attained. Soil gas samples collected in February 2010 were summarized and presented in the fifth PER (CRA, 2010c), and showed a decline in VOC concentrations from system start-up to February 2010. These results were discussed in the fifth PER (CRA, 2010c). Soil gas samples were collected again in August 2018 to provide a current data set from within and around the TI Zone to assess the current status of remediation and residual VOC concentrations. The analytical results continue to show a decrease of soil gas concentrations and are discussed in the Twenty-second PER (GHD, 2018a).

TI Zone induced vacuum readings were collected in accordance with the procedures outlined in the FSP (CRA, 2007a). Due to an oversight, readings were collected at an annual frequency during 2025 rather than the semi-annual frequency specified in Table 5.1. Moving forward, the semi-annual monitoring schedule will be followed as prescribed. TI Zone vacuum readings were collected in November 2024 (previous reporting period) and September 2025 at seven soil gas monitoring wells (S-5, S-6, S-10, S-11, S-14, S-16, and S-27). TI Zone induced vacuum data is used for the annual ROI evaluation (see Section 5.4) and presented in **Appendix G.**

5.3 Treatment System Performance

This section provides a summary and overview of the operational performance of the TI Zone SVE Remedy (which includes the four RRSs: Former Buildings 14/15, Former Buildings 16/17, Former Building 18, and South Portion of Hangar 2) during the reporting period. The performance evaluation for the Hanger 1, and North and East sides of

Hangar 1 (RRS SVE-7), Soils beneath Former Building 25 and Adjacent Soils (RRS SVE-6) and Soils beneath West Lease USTs (RRS SVE-5) is provided in Section 6.

Monthly operational reports were submitted by the O&M Contractor to the Agencies for the months of March 2025 through August 2025. These reports provided an overview of the operational conditions for the TI Zone SVE and treatment system on a monthly basis.

Graphs of various operational performance parameters (e.g., TCE concentrations at SVE wells and cumulative VOC mass removal) for the TI Zone SVE system have been prepared and are provided in **Appendix B**. The graphs present data from system start-up (August 2007) through August 2025 and are provided to show trends that highlight changes in the system operation or soil gas data.

5.3.1 Operational Run-Time and Influent Concentrations

Two well pipes are located within each of the TI Zone SVE well vaults and are connected to separate blowers to provide control of vapor extraction from the different units. The SVE run-time for each of the wells screened in Unit 2/3 of the TI Zone (SVE-1U, SVE-2U, SVE-3U, and SVE-4U) is the same as the run-time of the blower connected to these wells. A full description of the SVE wells is provided in Section 5.1.

The system blower connected to the GSU Unit 4 SVE wells (SVE-1L, SVE-2L, SVE-3L, and SVE-4L) was not operated during the reporting period (and has not been operated to-date) due to the lower well screens being saturated by groundwater.

Operational runtime of the TI Zone SVE system averaged approximately 89.4 percent for the reporting period. Monthly run-times and uptime percent for the Unit 2/3 blower extraction at SVE wells for the reporting period are as follows:

	Monthly Run-time(1) (hours)/(Uptime Percent)					
	March 2025	April 2025	May 2025	June 2025	July 2025	Aug 2025
Unit 2/3 Blower	443/(59.6)	555/(77.2)	744/(100.0)	720/(100.0)	744/(100.0)	744/(100.0)
Note: (1) This data is provided by the O&M Contractor and is included in its monthly O&M reports						

Monthly operational reports submitted to the EPA document the daily, monthly, and statistical run-times for the treatment system in detail.

A monthly summary of the main operational challenges during the March 2025 – August 2025 reporting period is as follows:

– March 1 – March 15, 2025: The system was shutdown due to the TI Zone SVE (Unit 2/3) drain pipe failing and requiring replacement, resulting in approximately 13 days of downtime.
– April 21 - April 28, 2025: The system was shutdown for TI Zone SVE well rehabilitation, resulting in approximately 7 days of downtime.

The TCE concentrations in the SVE well samples for the reporting period and at start-up (provided for reference) are provided below:

Well	TCE Concentration (ppbv)		
	Aug 2007 (1)	May 2025	August 2025
SVE-1U	280,000	4.2	3.5
SVE-2U	75,000	ND(1.4)[2]	ND(1.6)
SVE-3U	230,000	11	11
SVE-4U	67,000	34	35
Note: ppbv - parts per billion by volume (1) Baseline samples collected prior to start-up on August 9, 2007			

(2) TCE not detected above the indicated laboratory reporting limit

A full analytical summary of VOC results for the extraction wells during the reporting period is provided in **Table 5.2**.

The TCE concentrations have dropped between approximately 99.8 and 99.9 percent at the four SVE wells since start-up in August 2007.

The TCE concentrations in the combined influent samples for the reporting period are as follows:

	TCE Concentration (ppbv)		
	Aug 2007 (1)	May 2025	August 2025
Combined Influent	220,000	9.3	8.1
Notes: (1) Baseline sample collected during start-up on August 27, 2007			

A full analytical summary of VOC results for the influent during the reporting period is provided in **Table 5.3**.

The TCE influent concentration and the VOC daily mass removal both have declined significantly since start-up of the TI Zone SVE system in 2007, from 220,000 ppbv TCE concentration and 84 lbs/day VOCs removed in August 2007, to 8.1 ppbv TCE concentration and 0.006 lbs/day in August 2025 for detected COCs. The calculated equivalent VOCs based on ¼ of the laboratory reporting limit for all COCs removed from soil was 0.007 lbs/day for the May 2025 and the August 2025 sampling events based on the flow rate at the time of the combined influent sample collection. VOC concentration and mass removal trends for the TI Zone SVE System from start-up in August 2007 to August 2025 are provided in **Appendix B**.

The airport concrete apron covers the entire area of influence of the TI Zone SVE system (see Section 5.4) and isolates the underlying soils from the atmosphere. This creates a stagnant, negative pressure condition within the central portion of the TI Zone SVE well field where there is reduced replacement of the air removed by the SVE wells, thus potentially reducing the mass removal of VOCs from the soil. Incorporation of the passive vent wells, CRA-25 and CRA-28, in July 2009 into the TI Zone SVE system was designed to help promote air movement and VOC mass removal from the soil in this area. As data (e.g., vacuum, passive air flow, and VOC readings) are collected at the extraction wells and evaluated, system operation and/or positioning of the vent well valves may be adjusted to optimize the efficiency and mass removal of VOCs from the soil.

5.3.2 TI Zone SVE Carbon

Analytical results of the TI Zone SVE system carbon treatment influent and effluent (Off-Gas) air samples indicate the TI Zone SVE carbon has been effective in removing TCE, and that the daily emissions are significantly below the allowable Performance Standard of 15 lbs/day.

Total VOC and TCE concentrations in the carbon influent and off-gas samples for the quarterly sampling events and the percent reduction in total VOC and TCE concentrations after carbon treatment are summarized below:

	Total VOC/TCE Concentration (ppbv) and Percent VOC/TCE Reduction	
	May 2025	August 2025
Carbon Influent(1)	69.7/9.3	69.6/8.1
Carbon Off-Gas(1)	67.1/ND(1.4)	29.8/ND(1.2)
% VOC/TCE Reduction	3.8/100	57.2/100
Note: (1) For “ND” results, a VOC value equal to 1/4 of the detection limit for COCs only (COCs are identified in Table 2.3 of the Consent Decree SOW) is applied		

A full analytical summary of VOC results for the Off-Gas during the reporting period is provided in **Table 5.4.**

The estimated monthly pounds of total VOCs removed from the soil in the TI Zone for the reporting period are summarized below:

	Month[1]					
	March 2025	April 2025	May 2025	June 2025	July 2025	Aug 2025
Total VOCs Removed[2] (pounds)	0.049	0.063	0.21	0.19	0.19	0.19

Notes: [1] This data is reported by the O&M Contractor in its monthly O&M reports
[2] Monthly removal estimates are based on the flow rate at time of sampling, the monthly lab results (or prior results, if no sampling during a specified month), and operational run-time during the month

The TI Zone SVE system utilizes two carbon vessels (East and West) for treatment of extracted soil vapor. The carbon vessels were sized to ensure that one in-line carbon vessel was adequate to treat the extracted vapor to below the Performance Standards. Treatment of the extracted soil vapor was directed through the West carbon vessel during the reporting period.

As noted in previous PERs, results of the FID monitoring indicated FID monitoring became less useful in tracking the location of the MTZ due to a decrease of influent VOC concentrations and FID equipment limitations. As noted in the Eighth PER (CRA, 2012b), results of the FID monitoring at the TI Zone carbon vessels over a 1-year period did not detect any VOC concentrations, and it was noted that the monitoring did not provide useful data and was subsequently discontinued. This is consistent with the SGZ and RRS SVE protocol for carbon vessels when the influent concentrations dropped to the low levels currently seen at the TI Zone SVE carbon (the monitoring was discontinued at the SGZ carbon and the RRS SVE carbon vessels around March 2010). The length of operational run-time at which carbon has historically neared the saturation point in the TI Zone is also evaluated to help determine when carbon change-out may be required.

Based on laboratory results during the reporting period, the maximum discharge of VOCs from the TI Zone SVE carbon vessels was calculated at 0.006lbs/day or less (see **Table 5.4**).

The soil vapor was last redirected from the East to the West carbon vessel on October 24, 2023. Since the influent loading is low, exceeding the Performance Standard of 15 lbs/day is not possible (even without any removal); and therefore, operation will continue until breakthrough is identified and carbon change-out will then be scheduled. This accepted protocol has been used for determining the SGZ and RRS SVE carbon change-out schedules for several reporting periods now.

5.4 Containment Evaluation

The narrative Performance Standard for the SVE Remedy within the TI Zone is to laterally and vertically contain VOC soil vapors in subsurface soils until VOC concentrations are reduced such that ceasing operation of the SVE Remedy will not cause water quality impacts to the SGZ outside the TI Zone or to the Regional Aquifer above the Performance Standards.

To determine the extent of containment of the combined SVE system, the ROI was estimated using the induced vacuum data from the three closest soil gas monitoring wells for SVE-1 and SVE-3, the two closest soil gas monitoring wells for SVE-4, and the five closest soil gas monitoring wells for SVE-2. Additional observation wells were added to the evaluation of the ROI at SVE-1 and SVE-3 to account for variability in the soil conditions and observation wells that are potentially influenced by multiple extraction wells.

Vapor probe maintenance was performed at the following observation well vapor probes in March, 2025: S-1 (probes 1 and 2), S-12 (probes 1 and 2), S-16 (probe 1), S-5 (probes 3 and 4), S-10 (probes 1 and 4), S-27 (probes 1 and 4). Maintenance consisted of purging each probe while monitoring the relative humidity levels with a hygrometer installed in-line. Purge volumes and relative humidity readings were monitored until RH levels stabilized. Maintenance at the above wells was performed in order to mitigate potential groundwater moisture from impacting the soil vapor air samples collected in May of 2025.

Additionally, in October of 2024, SVE wells 1, 2, 3, and 4 were video logged to inspect the well screen intervals and assess if well redevelopment was necessary. Crystalized calcium deposits were observed throughout the upper SVE

screen intervals at each of the four SVE wells. In April 2025, each of the SVE wells were redeveloped utilizing brushing, bailing, and acidization treatment methodologies. The post re-development video logs showed successful removal of the build up with the well screens. Comparing the November 2024 implied vacuum readings to those of the September 2025 event indicates that the well redevelopments were effective at improving functionality of the SVE wells. Despite reducing the applied vacuum on the Unit 4 SVE system, the system overall airflow increased, as did the majority of the vacuum readings at the observation probes surrounding the SVE wells.

Field monitoring data collected on November 4, 2024 (previous reporting period) and September 19, 2025 was used to evaluate the effective ROI of the combined SVE well system. The induced vacuum at observation wells was measured after at least 12 hours of continuous SVE system operation prior to collecting measurements. Field monitoring data included measurement of induced vacuums at the observation wells, and vapor flow rates generated as a result of the applied vacuum at the SVE wells. Vacuum data collected from the observation wells (S-5, S-10, S-11, and S-16) were used as the primary indicator of the ROI. Vacuum pressure monitoring at monitoring wells S-6, S-14, and S-27 were added to the soil gas monitoring well network in December 2008 by the SP to provide additional information to evaluate the effective ROI.

A conservative ROI for each set of data was estimated as a distance at which a vacuum of 0.5 in. of water was calculated based on induced vacuum measurements. This value was selected as it can be effectively monitored using a handheld gauge (e.g., magnehelic), and it was estimated that at this vacuum, there will be flow of vapor through the formation. The ROI for each of the monitoring events was evaluated by plotting induced vacuum measurements (or the calculated proportional values for observation wells under the influence of two or more SVE wells based on distance of the observation well from SVE wells) at the selected observation well (as noted above) for each of the extraction wells on a semi-logarithmic scale versus radial distance of the observation well from the associated extraction well. For observation wells used for ROI evaluation of multiple SVE wells (S-5, S-6, S-10, S-11, and S-14), a proportion of the total vacuum measurement was used as it related to the distance from the SVE well. A proportional vacuum is used because the TI Zone SVE system extracts at all four Unit 2/3 SVE wells simultaneously and it is not possible to calculate the ROI of each individual SVE well with all wells extracting at the same time.

Note that the ROI evaluation discussed above, using the proportioned vacuum readings at shared observation wells, was developed in consultation with and in accordance with the Agencies' request and additional technical meetings in March and April 2016 with the Agencies' oversight consultants. Meeting minutes dated April 1, 2016 (GHD, 2016a), summarize the revised procedures agreed to for calculating ROIs, and were incorporated beginning with the Eighteenth PER (GHD, 2016c).

The calculated ROI for ports number 1 through number 4 for each SVE well using the data during the entire reporting period are summarized as follows:

SVE Wells	Observation Wells	Probe	Average ROI (ft)
SVE-1	S-5, S-10, S-14	1	341
		2	362
		3	131
		4	98
SVE-2	S-6, S-10, S-11, S-14, S-27	1	361
		2	387
		3	340
		4	167
SVE-3	S-5, S-6, S-11	1	399
		2	426
		3	378

SVE Wells	Observation Wells	Probe	Average ROI (ft)
		4	111
SVE-4	S-5, S-16	1	218
		2	191
		3	153
		4	130

Based on an evaluation of current and past ROI data, the TI Zone SVE wells provide adequate containment of the soil vapors in the TI Zone soils. Soil gas vacuum data used in the ROI determination, graphs, and details of the ROI determination are provided in **Appendix G**. The comprehensive ROI for the TI Zone for each of the four probe depths is shown graphically in Figures 1 through 4 of **Appendix G**.

It should be noted that due to rising RA groundwater levels some of the observation well probes (at lower probe #1) may have been previously, or are submerged. See **Appendix G** for more information.

Per the PSVP, ROI performance verification will be performed only during the initial stages of routine operation, to determine the effective ROI for each of the SVE wells (CRA, 2004a). Since the ROI evaluations have continued to demonstrate adequate containment of the soil vapors in the TI Zone soils over the past 13 years, the ROI evaluation will be submitted annually in the even-numbered PERs, as noted in the Twenty-fourth PER (GHD, 2019).

5.5 TI Zone SVE Conclusions and Recommendations

Based upon the evaluation provided above, the following conclusions and recommendations are provided:

- Operational runtime of the TI Zone SVE system averaged over 89 percent for the reporting period.
- The extracted soil vapor is treated to below the SVE treatment Performance Standards set forth in the CD.
- The current monitoring schedule for the SVE and treatment system sampling for the 1-year period from November 2024 to October 2025 is provided in **Table 5.1**.
- 17 years of data (monthly and then quarterly) have continually shown that the existing TI Zone SVE well spacing provides containment of soil vapor within the TI Zone. The ROI evaluation was reduced in November 2019 from semi-annually to annually and will be submitted in the even-numbered PERs. The monitoring frequency will continue semi-annually.
- Monitoring will continue to be performed at seven soil gas monitoring wells (S-5, S-6, S-10, S-11, S-14, S-16, and S-27) as opposed to the four soil gas monitoring wells (S-5, S-10, S-11, and S-16) identified in the FSP (CRA, 2007a) and QAPP (CRA, 2007b).
- **Table 5.5** specifies the proposed Routine Operation schedule for the upcoming 1-year period from November 2025 through October 2026.
- In March 2025, vapor probe maintenance was conducted at the following observation well vapor probes: S-1 (Probes 1 and 2), S-12 (Probes 1 and 2), S-16 (Probe 1), S-5 (Probes 3 and 4), S-10 (Probes 1 and 4), and S-27 (Probes 1 and 4)

6. RRS Remedy Performance Evaluation

Introduction

This section provides the semi-annual RRS SVE System Remedy performance evaluation and includes the status of the RRS SVE Remedy, a summary of rebound monitoring, and discussion and recommendations related to treatment

effectiveness and monitoring. This section also discusses historic and current data for each of the RRS SVE wells; SVE-5 (Soils beneath West Lease USTs), SVE-6 (Former Building 25 and Adjacent Soils), and SVE-7 (Hangar 1, and North and East Sides of Hangar 1).

The following COCs pertain to each respective RRS location:

– RRS SVE-5 – TCE, 1,1,2-trichloroethane, benzene, ethylbenzene
– RRS SVE-6 – TCE, PCE, methylene chloride
– RRS SVE-7 – PCE, 1,1-dichloroethylene, ethylbenzene

As discussed in the Revised CSM (GHD, 2024a), recent RRS system SVE operational challenges have been encountered since soil vapor extraction was re-initiated at RRS SVE-7 in early 2021. These challenges have been a direct result of rising RA, GSU, and SGZ water levels, which is anticipated to be a continued limitation for successful SVE system operation at the remaining RRSs. Data from the multi-port soil gas (MPSG)/monitoring wells (referenced as compliance wells in the CSM) has been evaluated for representativeness and soil vapor and groundwater results evaluated to the Performance Standards for Remedy Required Subsites. At the MPSG/monitoring wells where groundwater concentrations have met Performance Standards, set forth in table 2.3 of the Consent Decree Scope of Work, for the SGZ Outside the TI Zone it is determined that narrative Performance Standards for Remedy Required Subsites are being achieved. At RRS locations where SGZ groundwater concentrations are lower than those in the GSU, it was determined that elevated COC concentrations in the GSU pose a greater risk of impacting SGZ groundwater than soil vapor concentrations do.

Vadose Zone, SVE and Observation Well Details

The RRS well pairs have similar lithology as described for the TI Zone (see Section 2.2 of the Thirteenth PER [CRA, 2014a]); however, the locations of preferential pathways in the vadose zone are specific to each SVE well location. One RRS SVE well has been installed at each RRS location based on the 100-foot ROI determined for the TI Zone in the Treatability Study (CRA, 1996). The three RRS SVE wells were installed in 2002 and are screened in each of the three lithologic units (Units 2, 3, and 4). The RRS SVE well locations were selected based on existing MPSG/monitoring wells installed by DBS&A between 1993 and 1995. The MPSG/monitoring wells (S-1, S-7, and S-12) have been installed within the Upper Unit 4 stratigraphic unit in the SGZ for groundwater monitoring and extend vertically across the vadose zone units for soil vapor monitoring. At the time of observation well installation, depth to groundwater in the SGZ was approximately 13.64 ft, 7.20 ft, and 11.90 ft below the lowest soil vapor probe depth at S-1, S-7, and S-12 respectively. In February 2025, the depth to water was approximately 5.46 ft, 1.96 ft, and 7.89 ft below the lowest soil vapor probe depth at S-1, S-7, and S-12 respectively. Due to rising RA, GSU, and SGZ groundwater elevation, approximately 5.24 ft of the vadose zone has been reclaimed outside the SGZ system influence at S-7, and approximately 4.01 ft at S-12 inside the SGZ system influence by impacted groundwater.

The construction of each RRS SVE well includes a single 4-inch PVC casing with three screen intervals within each stratigraphic unit. A summary of the RRS SVE-7, SVE-6, and SVE-5 well construction details are provided in the following table:

Summary of RRS SVE-7, SVE-6, and SVE-5 Well Construction Details

Well	Depth of Well (ft bgs)	Screened Interval Below Grade (ft bgs)	Sand Pack Interval (ft bgs)	Well Diameter (in.)	Stratigraphic Unit
SVE-7	130	50-60 75-85 120-130	45-67 70-112 115-130	4	2 3 4
SVE-6	125	30-40 60-70 115-125	25-52 55-107 110-125	4	2 3 4

Summary of RRS SVE-7, SVE-6, and SVE-5 Well Construction Details					
Well	**Depth of Well (ft bgs)**	**Screened Interval Below Grade (ft bgs)**	**Sand Pack Interval (ft bgs)**	**Well Diameter (in.)**	**Stratigraphic Unit**
SVE-5	110	20-30 55-65 100-110	15-47 50-92 94.5-110	4	2 3 4

To evaluate the RRS SVE well effective area of influence, each RRS SVE well is paired with one existing MPSG/monitoring well located in the vicinity of each RRS SVE well, which is monitored at a specified frequency. Each MPSG/monitoring well consists of five soil vapor monitoring probes, with probe #1 installed closest to groundwater and probe #5 installed closest to ground surface. Each soil gas probe consists of an HDPE probe tip mounted on 0.25-inch diameter stainless-steel tube that extends to the surface. At the surface, each stainless-steel tube has flexible HDPE tubing fitted with a quick-connect coupling to allow connection for pressure/vacuum measurements during soil gas sampling. Upon a more recent reexamination of the MPSG/monitoring well boring logs, it was noted that at the deepest soil vapor probe #1 at MPSG/monitoring wells S-7 and S-12 were installed within the groundwater sand pack. Based on a DBS&A letter to the EPA (DBS&A, 1995b) it is believed the intent of the S-7 and S-12 lower soil vapor probes was to monitor the potential of VOC diffusion from groundwater into the capillary fringe. In the DBS&A letter a discussion is made comparing a VOC source from groundwater and VOCs from a vadose zone fixed source. Standard practice for monitoring soil gas concentrations includes installation of the vapor probe in a dedicated sand pack interval (above the groundwater sand pack) in the vadose zone for collection of representative soil gas samples. Soil vapor probe #1 at S-7 and S-12 were installed within the groundwater sand pack and soil vapor samples collected from these probes are likely more representative of VOCs off-gassing from groundwater due to well construction. A summary of the MPSG/monitoring well construction and depth of each of the soil gas probes is summarized in the following table.

Summary of the MPSG/Monitoring Well Construction Details					
RRS MPSG/monitoring Well	**Depth of Well (ft bgs)**	**Groundwater Screened Interval (ft bgs)**	**Well Diameter (in.)**	**Soil Gas Probe Identification and [Depth] (ft bgs)**	**Length of Sand Pack and Soil Gas Probe (ft bgs)**
S-7 (for RRS SVE-7)	100.6	87-97	2	5 [5] 4 [25] 3 [45] 2 [63] 1 [83]water	4.0 22.5-27.7 42.5-48.1 60.3-65.6 80.1-100.6
S-12 (for RRS SVE-6)	107.25	87-102	2	5 [5] 4 [26] 3 [40] 2 [55] 1 [80]water	5.0 23.5-28.5 37.5-42.5 52.5-57.5 77.6-107.25
S-1 (for RRS SVE-5)	102.8	88.1-98.1	2	5 [5] 4 [25] 3 [45] 2 [65] 1 [78]	5.2 21.4-27.3 42.7-47.5 62.3-66.6 75.4-80.4
Note: water = soil vapor probe located in the groundwater sand pack.					

Figure 2.1 provides a plan view layout of the RRS SVE wells and associated observation wells. **Figure 6.1** shows a cross-section through RRS SVE well SVE-7 and MPSG/monitoring well S-7, and **Figure 6.2** shows a cross-section through RRS SVE wells SVE-6 and SVE-5, and MPSG/monitoring wells S-12 and S-1. The cross-sections present the lithostratigraphic units, extraction well screened intervals, soil gas probe locations, and other pertinent well construction and geologic information. Probe #1 is generally installed in Unit 4 or the Unit 3/Unit 4 interface, Probe #2 is installed in Unit 3, Probe #3 is installed in Unit 2 or Unit 3, Probe #4 is installed in Unit 2, and Probe #5 is installed at 5 ft bgs.

6.1 RRS Treatment History and Background

An outline of RRS system operational times at each RRS SVE well is provided in the bulleted list below, with narrative provided after the list, that provides an overview of treatment and data trends from the RRS and MPSG/monitoring wells during each operational timeframe

- **SVE-7**: October 29, 2007, through October 9, 2010 (associated with MPSG/monitoring well S-7)
- **SVE-6**: October 26, 2010, through August 29, 2013 (associated with MPSG/monitoring well S-12)
- **SVE-5**: September 3, 2013, through March 1, 2016 (associated with MPSG/monitoring well S-1)
- **SVE-6**: March 6, 2016, through December 30, 2018
- **SVE-5/SVE-6 cycling**: January 14, 2019, through August 20, 2020
- **SVE-7**: February 2021 through August 4, 2022

SVE-7 extraction October 29, 2007, through October 9, 2010. The RRS SVE system initially extracted soil vapor from SVE well SVE-7, in the vicinity of the Northeast corner of Hangar 1. Extraction took place at SVE-7 from October 29, 2007, through October 9, 2010. During this period the primary COC at RRS SVE-7 was vapor phase PCE. Soil vapor samples were collected at MPSG/monitoring well S-7 soil vapor probe #1 showing PCE was reduced from 430 ppbv on March 21, 2007, to less than the laboratory reporting limit of 0.50 ppbv on February 4, 2010. Water phase PCE at MPSG/monitoring well S-7 decreased from 5.3 µg/L on March 8, 2007, to 1.0 µg/L on February 12, 2014, and water phase TCE at S-7 decreased from 84 µg/L on March 8, 2007, to 18 µg/L on February 12, 2014. During this operational period at SVE-7 the local groundwater level declined approximately 3.14 feet, from 87.95 feet bgs in May 2007 (baseline) to 91.09 feet bgs in February 2010. During this same period the AFP44 treatment system extracted groundwater from the RA approximately 65 percent of the time and the SGZ treatment system extracted groundwater from the GSU approximately 92 percent of the time.

SVE-6 extraction October 26, 2010, through August 29, 2013. In a letter dated July 2, 2010 (CRA, 2010b), the SP notified the Agencies that data indicated the RRS SVE system could be relocated from SVE-7 to a new location between RRS SVE wells SVE-5 and SVE-6. The Agencies approved of the relocation and the RRS system was disconnected from SVE-7 on October 19, 2010, and the RRS skid was relocated between the RRS SVE-5 and SVE-6 locations (approximately 15 ft west of Control Building No. 1).

Remediation at RRS SVE-6 commenced on October 26, 2010, and continued until August 29, 2013. During this period the primary COC at RRS SVE-6 was vapor phase TCE. Samples collected at the deepest vapor monitoring probe (Probe #1) at MPSG/monitoring well S-12 showed vapor results were below the laboratory reporting limit of 0.50 µg/L on October 21, 2010, and 0.40 µg/L on January 23, 2013. Water phase TCE at S-12 slightly increased, with results of 35 µg/L on February 9, 2010, to 36 µg/L on February 21, 2013, with a high of 99 µg/L on August 10, 2011.

The AFP44 treatment system extracted groundwater from the RA approximately 78 percent of the time and the SGZ treatment system extracted groundwater from the GSU approximately 96 percent of the time during the SVE-6 operational period. During this time the groundwater elevation increased at S-12 approximately 3.57 feet, from 96.66 in November 2010, and to 93.09 feet bgs in August 2013, which was likely a result of rising RA water levels and/or influence from the AFP44 treatment system due to the uptime of the GSU extraction system. This SVE-6 operational period occurred during the inflection point (IP) of groundwater elevations, which is described in the Revised CSM (GHD, 2024a), and is defined as the midpoint of an approximate range of time between 2011 and 2012, during which the following occurred:

1. RA groundwater elevations reached a series of historically high levels, which were intermittently sustained over variable shorter timeframes, and were likely high enough in elevation to encounter the SGZ.
2. A significant number of Site SGZ and GSU monitoring wells reversed groundwater elevation trends from downward to upward. The IP may be considered as the approximate time when the SGZ's migration into the GSU began to decrease due to the loss of pre-existing downward vertical gradients between the Upper Unit 4 Clay and GSU.
3. The ROIs by ongoing SGZ Remedy extraction began to decrease due to increasing saturated aquifer thickness.

Groundwater levels from this same period at MPSG/monitoring well S-7 showed a slight increase in groundwater elevation of approximately 0.99 feet, ranging from 91.48 feet bgs in November 2010 to 90.49 feet bgs in August 2013, further supporting that rising regional and local RA groundwater levels affect the GSU, and SGZ water levels across the site. Local rising RA groundwater levels near S-12 are likely influenced by AFP44 pumping and shutdowns due to AFP44 system utilization being lower than the SGZ system.

SVE-5 extraction September 3, 2013, through February 20, 2015. In a letter dated July 23, 2013 (CRA, 2013a), the SP notified the Agencies of the intent to discontinue remediation at SVE-6 based on low soil gas concentrations and commence remediation at RRS SVE location SVE-5. Soil gas results at MPSG/monitoring well S-1 were not collected within this operational period. Results from prior to RRS operation at SVE-5 and after the RRS system was shut down at SVE-5 indicate TCE soil gas concentrations at MPSG/monitoring well S-1, Probe #1 increased from 2.4 ppbv in November 2012 to 5.0 ppbv in April 2015. During the operational period groundwater TCE concentrations were 42 µg/L for both August 2013 and February 2015, with a high of 45 µg/L in February 2014.

RRS system blower replacement February 20, 2015, through October 22, 2015. Remediation at RRS SVE-5 commenced on September 3, 2013, and continued until March 1, 2016. During this operational period, the RRS SVE-5 system was shut down from February 20, 2015, to October 22, 2015, due to a blower problem with subsequent replacement of the RRS system blower. The analytical results of RRS SVE-5 extracted soil gas samples that were collected on October 22, 2015, approximately 8 hours after restart indicated no rebound of VOC concentrations after the 8-month downtime. TCE soil gas results at SVE-5 decreased from 24 ppbv in February 2015 to 5.2 ppbv in October 22, 2015, across the shutdown period, which are generally in line with the MPSG/monitoring well S-1 Probe #1 TCE result of 5.0 ppbv from April 2015.

SVE-5 extraction October 22, 2015, through March 1, 2016. Since no rebound was observed at RRS SVE-5 after the system was restarted on October 22, 2015, and due to the asymptotic VOC removal conditions since July 2014 (GHD, 2016b) at SVE-5, the RRS SVE-5 system was shut down on March 1, 2016. A TCE soil gas sample was collected on August 4, 2016, with a result of 4.6 µg/L at S-1 Probe #1, indicating rebound had not occurred. Rebound is discussed in detail in Section 6.5. Groundwater TCE concentration was 32 µg/L in July 2016 at MPSG/monitoring well S-1 and continued an overall decreasing trend to below the groundwater performance standard with the most recent TCE concentration of 3.8 µg/L in August 2024.

SVE-6 extraction March 6, 2016, through December 30, 2018. The RRS SVE system piping was moved from SVE-5 to SVE-6 and is documented in the March 2016 operational report. Remediation at RRS SVE-6 resumed on March 6, 2016, and continued until shutdown on December 30, 2018. Soil gas results for MPSG/monitoring well S-12 were not collected within this operational period, however results from prior to and after RRS system operation indicate TCE soil gas concentrations at S-12, Probe #1 decreased slightly from 1.3 ppbv in August 2015 to 1.1 ppbv in August 2019. Groundwater TCE concentrations at the S-12 MPSG/monitoring well also decreased from 63 µg/L in January 2016 to 32 µg/L in January 2019.

SVE-5/SVE-6 cycling January 14, 2019, through August 20, 2020. Remediation at RRS SVE-5 resumed on January 14, 2019, and was documented in the January 2019 operational report. SVE remediation at SVE-5 and SVE-6 was alternated to temporarily cycle between the two RRS locations and to provide further rebound monitoring data for the RRS SVE-5 and SVE-6 locations. The recommendation to alternate remediation from RRS SVE-5 to RRS SVE-6 was documented in the December 2018 operational report and discussed in the Twenty-second PER (GHD, 2018a).

Due to the continued asymptotic VOC removal trends at the RRS SVE-5 and SVE-6 locations, remediation at RRS SVE-5 was suspended on August 20, 2020, to relocate the skid to the RRS SVE-7 location and resume RRS SVE. The Agencies were notified on August 27, 2020, of the proposed relocation of the skid-mounted remediation system, and the unit was moved on September 17, 2020.

SVE-7 extraction February 2021, through August 4, 2022. The RRS system was relocated from SVE-5, and remediation activities at RRS SVE-7 resumed on February 22, 2021, and was operational between February 2021 and July 2021, and also between October 2021 and August 2022. Soil gas results for MPSG/monitoring well S-7 were not collected within this operational period, however results from prior to and after RRS system operation indicate PCE soil gas concentrations at S-7, Probe #1 were below the laboratory reporting limits, with results less than 1.2 ppbv on August 5, 2020, and less than 1.3 ppbv on May 1, 2024. Groundwater TCE concentrations at the S-7 MPSG/monitoring well were less than the laboratory reporting limit of 0.50 µg/L for samples collected in August 2020, August 2021, August 2022, August 2023, and August 2024.

Immediately upon RRS restart, the SVE-7 extraction well produced water due to the rising groundwater elevation. In February 2010 during previous successful SVE-7 extraction, and prior to the IP, the groundwater elevation was 91.09 feet bgs at S-7. In February 2021, eleven years later and near the time of SVE-7 startup, the depth to water at S-7 was 85.61 ft bgs, approximately 5.48 feet higher. At this groundwater elevation the water was located near the lower SVE-7 screen under static conditions. The depth to water cannot be measured while the RRS is actively extracting soil vapor, however when a vacuum is applied the water level will rise in the well, and if water is too high in the well screen it can cause operational flooding issues. In July 2021 both the blower and blower gear box were found to be flooded with the system overheating due to water. To prevent flooding of the RRS system a packer was installed to isolate the upper soil vapor screen, located from 50 – 60 feet bgs in Unit-2. On August 4, 2022, and on August 23, 2022, an RRS communication fault occurred. A full description of the RRS system issues is discussed in Section 6.3.

6.2 Data Collection

For the Thirty-sixth PER reporting period the RRS system was not operational, and RRS SVE treatment system analytical data is not available for this PER. The MPSG/monitoring observation wells are included in the sampling protocol to monitor groundwater and soil gas concentrations and are discussed below in conjunction with the RRS SVE wells.

6.2.1 Soil Gas Monitoring

Soil gas samples from the MPSG/monitoring wells are only required to be collected prior to start-up at a new RRS location (i.e., Baseline), and once the SP determine that the soil gas Performance Standards have been attained. Soil gas samples were collected in this reporting period to evaluate if COCs in soil are contributing to soil gas concentrations (a VOC source from soil), to evaluate if COCs in groundwater and the impact of rising groundwater elevation are contributing to soil gas concentrations (a VOC source from groundwater), and potential soil gas rebound or decline from soil and water sources.

Soil gas samples were collected from the five soil gas ports at each of the RRS MPSG/monitoring wells S-1, S-7 and S-12 in May 2025 of this reporting period to evaluate increases or decreases of soil gas concentrations; results are presented in Section 6.5. In accordance with the RRS SVE-7 and SVE-6 Status Update letters submitted to the EPA in July 2010 (CRA, 2010b) and July 2013 (CRA, 2013a), the SP will continue to monitor soil gas concentrations at all the RRS locations not currently under treatment until final closure, continued monitoring, or soil vapor extraction is resumed at these locations. The next collection of soil gas samples will be based on concurrence of recommendations in Section 6.6.

6.2.2 Groundwater Monitoring Data

Groundwater samples are collected from the three RRS MPSG/monitoring wells (S-1, S-7, and S-12) associated with each of the RRS areas and the three RRS SVE wells in accordance with the groundwater monitoring schedule included in **Table 3.1**. Groundwater monitoring includes annual monitoring for the S-1, S-7, and S-12 MPSG/monitoring SGZ wells and SVE-5, SVE-6, and SVE-7 RRS GSU wells, as modified following the reduced monitoring frequency recommendations in the Twenty-fourth PER (GHD, 2019). In February 2019 the DTW at S-12 and S-1 were 90.86 feet and 83.10 feet respectively, and in August 2025 the DTW at S-12 and S-1 were 88.01 feet and 83.77 feet respectively. Due to the rising groundwater levels the Thirty-sixth PER proposes changes to groundwater monitoring which includes sampling at the SVE-5/S-1 and SVE-6/S-12 well pairs at a semi-annual frequency to evaluate potential impacts of the rising RA water levels on SGZ water quality. Additionally, the proposed increased groundwater sampling changes are being made to more closely monitor the SGZ/GSU RRS well pairs to also evaluate if rising RA water levels are contributing to potential increases in soil gas concentrations.

All proposed monitoring is listed in **Table 3.1**. The historical groundwater analytical results are included in **Appendix F**.

6.3 Treatment System Performance

As noted in Section 6.1, the RRS system blower is currently in non-functional status from water damage to the blower and blower gearbox. The following subsections will discuss data trends related to rebound monitoring, containment evaluation to support discontinuation of RRS treatment.

Graphs of historical operational performance parameters (e.g., TCE concentrations and cumulative VOC mass removal) at RRS well SVE-7 are provided in **Appendix B**.

6.3.1 Operational Run-Time and Influent Concentrations

The RRS SVE system was non-operational during the entire reporting period from March 1, 2025, through August 31, 2025, due to a communications module failure that first occurred in August 2022. A replacement communication board was ordered and delivered; however, the replacement was recalled by the manufacturer, during which time the RRS was in non-functional status. After the replacement card was available it was determined the PLC needed to be upgraded to conform to the 2022 communication card specifications. In January 2024 a replacement communications module was received from the manufacturer and successfully replaced, and PLC was updated during testing in February 2024, however the blower was found seized in the interim waiting time for the communication cards and PLC upgrade. It is believed that rising groundwater levels at the SVE-7 extraction well caused the blower to process a high volume of entrained water in the vapor stream, which overwhelmed the air/water separator and flooded the blower. The blower is currently in non-functional status from the water damage to the blower and blower gearbox, and the RRS skid will likely need to be completely rebuilt. SVE operational challenges have been encountered since remediation re-started at RRS SVE-7 in early 2021 due to rising groundwater levels, which is anticipated to be a continued limitation for successful SVE system operation at the remaining RRS SVE areas.

Recommendations are provided below in Section 6.6 related to discontinuing RRS SVE treatment and proposed monitoring to pursue a path to closure. Due to the RRS SVE system being non-operational during the reporting period, there were no TCE and total VOC concentrations in the SVE-7 well/carbon influent air stream to report. The TCE trends for RRS SVE-7 are provided in **Appendix B**.

6.4 Containment Evaluation

The narrative Performance Standard for the SVE Remedy at the RRS is to operate each SVE subsystem until VOC concentrations are reduced such that soil contamination will not result in water quality impacts to the SGZ above the Performance Standards. Further, the SVE system at the RRS must be able to mitigate migration of soil vapors outside of the RRS and to the SGZ.

To verify the performance of the RRS SVE remedy ROI data has historically been used to evaluate the extent of soil vapor extraction. In addition to SVE ROI extent, the concentration of soil vapors over time provides additional data to evaluate the remaining mass of potentially mobile COCs in the subsurface and potential for historic soil impacts to impact groundwater above the Performance Standards. Changes in soil vapor concentrations during non-operational periods also provide rebound data and a third line of evidence supporting if the narrative performance standard have been met (discussed in Section 6.5 below). Therefore, both ROI and changes in soil vapor concentrations are used to evaluate containment. Groundwater concentrations that are less than the performance standard provides the final line of evidence that the narrative performance standard is being met. During RRS system operation at all locations (SVE-5, SVE-6, and SVE-7) the ROI evaluations contained in PER submittals has concluded, the RRS provided containment beyond the observation well associated with each SVE well. The following sections provide an evaluation, in addition to the background discussed in Section 6.1. The current extent of the historical contaminant of sources at each of the three RRSs (SVE-5, SVE-6, and SVE-7) has been greatly reduced as a result of the SVE remediation performed at each of the RRSs. Remediation at each of the three RRSs has shown vapor extraction beyond the MPSG monitoring well associated with each RRS, and asymptotic levels of extracted soil gas have generally been in the single digit to low double digit ppbv range for the COCs. Given the reduction in soil vapor COC concentrations to levels that cannot impact the SGZ, closure of the Subsites is recommended and a formal closure pathway document is being developed at the request of the Agencies.

6.4.1 SVE-5 Containment Evaluation

Historical shallow soil gas concentrations in the RRS SVE-5 locations (Soils Beneath West Lease USTs) from the 1980s and 1990s were generally low or ND, however analytical results collected in the 1990s from MPSG well S-1 showed elevated concentrations of COCs (TCE, ethylbenzene, benzene, and 1,1,1-Trichloroethane) primarily at the Probe #2 depth located in Unit-3 fine grained soils at 65 feet bgs. Induced vacuum monitoring trends at the compliance well, MPSG well S-1, show that extraction at well RRS SVE-5 produces vapor flow that extends to and beyond the compliance well at the deeper probe depths 1 and 2 where the historic source was known to exist (GHD, 2024b). Analytical results collected at well S-1 since the 2013 through 2016 remediation confirm that S-1 is within the RRS SVE-5 ROI, as the 2016 analytical results dropped by three to four orders of magnitude since 1992. Soil gas analytical data from both the RRS SVE-5 extraction well and S-1 compliance well demonstrate that potentially impacted soil and vapor phase COCs are stable, and remediation at this subsite is complete with additional semi-annual monitoring proposed to aid in a closure path. Data analysis and potential rebound is further discussed in Section 6.5.

6.4.2 SVE-6 Containment Evaluation

Historical shallow soil gas concentrations in the RRS SVE-6 location (Former Building 25 and Adjacent Soils to the North) from the 1980s and 1990s show detections of TCE and PCE across the former Building 25 area and along the southern portion of former Building 24. Historical data from MPSG well S-12, the compliance well associated with RRS SVE-6, indicate concentrations of COCs (PCE, TCE, and methylene chloride) were highest in probe 3 (at a depth of 40 feet bgs). Induced vacuum monitoring trends at MPSG well S-12 show that the ROI of SVE-6 extends well beyond the S-12 compliance well at all probe depths (GHD, 2024b). SVE was conducted at RRS SVE-6 from 2010 to 2013 and again from 2016 through 2018. Subsequent monitoring collected at MPSG well S-12 shows that soil gas concentrations were reduced to single-digit ppbv levels and have not rebounded since extraction was discontinued. Recent data collected in 2023 and 2024 have shown increases at the vapor probe (#1) adjacent to groundwater, corresponding to rising groundwater levels where the probe was close to being submerged by groundwater with TCE concentrations in excess of 100 µg/L. Analytical data from both the RRS SVE-6 extraction well and S-12 compliance well demonstrate that remediation at this subsite is complete with additional semi-annual monitoring proposed to aid in a closure path. Data analysis and potential rebound is further discussed in Section 6.5.

6.4.3 SVE-7 Containment Evaluation

Historical shallow soil gas concentrations from the 1980s and 1990s show various VOCs in RRS SVE-7. Historical data from MPSG well S-7, the compliance well associated with RRS SVE-7, showed concentrations from the COCs listed in the QAPP (PCE, 1,1-DCE, and ethylbenzene) were highest in the probe 1 and 2 depths. Induced vacuum monitoring at MPSG well S-7 shows that the ROI of SVE-7 extends well beyond the S-7 compliance well at the deepest probes 1 and 2 (GHD, 2024b), where historical soil gas sampling detected the highest concentrations.

SVE was conducted at RRS SVE-7 from 2007 to 2010 and again intermittently between February 2021 and August 2022. The 1995 concentrations of 1,1-DCE at S-7 (35,900 ppbv at probe 2 and 21,700 ppbv at probe 1) were reduced to ND following remediation in 2010. Additionally, none of the COCs have rebounded to greater than single digit ppbv levels since discontinuation of SVE. Analytical data from both the RRS SVE-7 extraction well and S-7 compliance well demonstrate that remediation at this subsite has been completed and closure is recommended. Data analysis and potential rebound is further discussed in Section 6.5.

6.4.4 Statistical Analysis and RRS Disposition

A statistical analysis was performed on the Site groundwater analytical data for the Thirty-sixth PER reporting. The analysis resulted in a decreasing trend at all three (S-1, S-7, and S-12) MPSG/monitoring wells for TCE at the SGZ, and SVE-5D and SVE-6D at the GSU. A trend at SVE-7D could not be determined because there were not enough results with detections. The statistical analysis is included as **Appendix H**.

Per the PSVP, ROI performance verification will be performed only during the initial stages of routine operation, to determine the effective ROI for each of the SVE wells (CRA, 2004a). The RRS SVE system was non-operational during the entire reporting period from March 1, 2025, through August 31, 2025, due to a communications module failure that first occurred in August 2022 and subsequent blower and gearbox flooding and seizure in 2024, which is described in Section 6.3. The RRS skid is currently staged at the SVE-7 location.

6.5 Rebound Monitoring and Data Analysis

Monitoring of soil gas and groundwater concentrations at previously remediated RRS locations is ongoing and is described in Section 6.2. Soil gas and groundwater samples were collected at all three MPSG/monitoring wells S-1, S-7 and S-12 during the reporting period to evaluate potential rebound at each RRS, the potential impact of rising RA water levels affecting the GSU and SGZ, and assessment for continuation of RRS SVE. Rebound of soil gas may occur by three basic methods:

- Diffusion of a soil vadose zone VOC source to soil gas.
- Diffusion of a groundwater VOC source to soil gas.
- A VOC groundwater source that saturates the vadose zone and subsequently diffuses to soil gas.

This section discusses data analysis in the context of rebound.

RRS SVE-7

At MPSG/monitoring well S-7, PCE groundwater concentrations in the SGZ unit have been less than the laboratory reporting limit of 0.50 µg/L since 2017, and PCE soil gas concentrations have been less than the laboratory reporting limit since 2015 at all probe depths. TCE is not a soil vapor chemical of concern at the RRS SVE-7 area, however TCE (and all COCs) groundwater concentrations in the SGZ have been less than the laboratory reporting limit of 0.50 µg/L since July 2020 at S-7, and at SVE-7D in the GSU since July 2015. TCE concentrations at monitoring well S-7 have shown a steadily decreasing trend over time, without extraction, and results have been consistently below the laboratory reporting limits in both groundwater and soil vapor. Groundwater was sampled at MPSG/monitoring well S-7 during the reporting period with all analytical results below the laboratory reporting limits. A trend of historical TCE groundwater concentrations at well S-7 is included in **Appendix F**.

Historical soil gas data at MPSG/monitoring well S-7, including the most recent data collected in May 2025 is included in **Table 6.3**. Soil gas results at S-7 have been less than the laboratory reporting limit since 2019 at all probe intervals for all COCs, with the reporting limit ranging between 0.40 ppbv to 2.3 ppbv. After the RRS was shut down in October 2010 low level rebound of soil gas near the laboratory reporting limit was observed in August 2012 at probe #2 with a 1,1-DCE result of 3.2 ppbv, with all probes decreasing to less than the reporting limits for all COCs by 2016. Since August 2019 all COCs at all probes have been less than the laboratory limit. It is concluded that soil gas rebound did not appreciably occur after the 2010 shutdown and by the time of restart of the system in 2021 there was no measurable VOC mass to remove from the soil. Additionally, there were no detectable COCs in groundwater at SGZ well S-7 above the reporting limit of 0.50 µg/L or COCs at GSU well SVE-7D since 2020 and have been below the Performance Standard since 2017.

Based on the extensive data set of soil gas results below the laboratory reporting limit, and TCE groundwater below the laboratory reporting limit of 0.50 µg/L since 2020, it is concluded the SVE-7 RRS area has effectively been remediated to the fullest extent possible via soil vapor extraction.

It should be noted, the lowest soil gas probe #1 is installed within the groundwater sand pack and annulus, which is not standard practice for installation of soil gas monitoring wells. Standard practice for the installation of soil gas monitoring probes is to install the soil gas probe within a sand pack separated by a bentonite seal above groundwater to avoid collection of soil gas samples from the wet portion of the capillary fringe. It is possible that the soil vapor results are ND due to groundwater not having measurable TCE concentrations.

RRS SVE-5

Groundwater concentrations of TCE in the SGZ have shown a consistent downward trend over time at the RRS SVE-5 area, decreasing from 44 µg/L in August 2014 to 5.6 µg/L in August 2025 at MPSG/monitoring S-1. While this is just above the groundwater Performance Standard of 5 µg/L, the exceedance is minimal. TCE concentrations at the SVE-5D well screened in the GSU have also shown a decreasing trend from 45 µg/L in July 2014 to 13 µg/L in August 2025. Due to the TCE concentrations in the GSU being greater than in the SGZ, it is likely that residual VOC mass in the vadose zone is not impacting groundwater, and that it is more likely TCE in the GSU groundwater is impacting the SGZ groundwater concentration.

The RRS system has not operated at SVE-5 since August 2020. TCE soil gas concentrations at the MPSG S-1 probe closest to groundwater (probe #1) have ranged from 2.6 ppbv to less than the laboratory reporting limit of 0.85 ppbv between 2021 and 2024, with the remaining COCs below the highest reporting limit of 1.2 ppbv at probe #1 since 2017, after the RRS system was shut down. At soil gas probe #2 concentrations of benzene, ethylbenzene, and TCE have been consistently above the laboratory reporting limit and have generally not increased or decreased since 2017. In July/August 2025 both benzene and ethylbenzene in groundwater were below the laboratory reporting limit of 0.50 µg/L at S-1 and SVE-5D, indicating the VOC mass at Probe #2 is not impacting groundwater. Probe #2 is installed in the Unit 3 stratigraphic unit which overlays a clay layer restricting downward migration of COCs. The lack of soil gas detections at probe #1 also provides another line of evidence that the mass of benzene, ethylbenzene, and TCE is stable and immobile at probe #2 within the finer grained soils. Probe #2 is located at 65 ft bgs, approximately 17 ft above groundwater in unsaturated soil, and located in Unit-3 above the Upper Unit-4 clays. It is concluded that under current conditions soil gas rebound is not occurring at the RRS SVE-5 area and has been stable since 2017.

Historical soil gas data at MPSG/monitoring well S-1, including the most recent data collected in August 2025 is included in **Table 6.3**. A trend of historical groundwater TCE concentrations at well S-1 is included in **Appendix F**.

RRS SVE-6

The RRS system started operation in October 2010 and was shut down in August 2013 at SVE-6. GSU well SVE-6D had a TCE groundwater result of 240 µg/L in July 2014 and SGZ well S-12 had a TCE result of 33 µg/L in July 2014. Soil gas sampling at the S-12 Probe #1 in August 2014 had a result of 0.68 ppbv, indicating most of the TCE mass at RRS SVE-6 area was from the GSU nearby extraction wells EW-1 and EW-2R. The remaining S-1 probes #2 through #5 had TCE concentrations of 3.7 ppbv, 3.8 ppbv, 4.5 ppbv and 4.9 ppbv respectively in August 2014, which showed

the highest soil gas TCE concentration near the ground surface and with soil gas TCE concentration decreasing with depth. After RRS shut down in August 2013 S-12 probes #2 through #5 either remained stable or decreased through May 2025 indicating there was no rebound from VOC impacted soil in the vadose zone. The RRS system operated from March 2016 through December 2018 at SVE-6 and had negligible, if any, impacts on soil gas concentrations at S-12.

TCE concentrations at the SVE-6 MPSG/monitoring well S-12 soil gas probe #1 has historically shown a strong correlation between groundwater elevation and soil gas concentrations after approximately 2020. The main factor influencing the correlation of soil gas concentrations at Probe #1 to groundwater elevation is the proximity of probe #1 to groundwater that contains high TCE concentration and the Probe #1 well construction. In July 2025 the groundwater concentration in S-12 (screened in the SGZ) was 57 µg/L and SVE-6D (screened in the GSU) was 7.3 µg/L. The SVE-6D result has been considered anomalous with respect to recent data trends and has therefore been excluded from trend analysis for this reporting period. Historically, there has been a correlation of higher TCE concentration in the GSU indicating the mass of TCE in the GSU at the RRS SVE-6 area rises with the groundwater elevation. TCE in groundwater is likely off-gassing as impacted groundwater elevations rise and fall. Historically, as groundwater that contains TCE rises closer to the soil vapor probe #1 at S-12, the soil vapor TCE concentrations also increase. TCE soil gas concentrations outside of the groundwater influence (at probes #2 through #5) have remained stable, as described above. A second driver for the correlation between rising groundwater elevation and increased soil gas TCE results at Probe #1 is due to the probe installation within the groundwater sand pack and annulus, which is not standard practice for installation of soil gas wells. Standard practice for the installation of soil gas monitoring probes is to install the soil gas probe within a sand pack above groundwater to avoid collection of soil gas samples from the near saturated portion of the capillary fringe. S-12 soil gas probes #2 and #3, installed in Unit-3 and Unit-2 respectively, show TCE soil gas concentrations generally consistently between 2 and 3 ppbv since 2015, and are considered representative of soil gas concentrations in the vadose zone.

The RRS system has not operated at SVE-6 full time since December 2018. Probe #1 TCE soil gas concentrations have historically been influenced by rising groundwater and are representative of the re-saturated capillary fringe and not representative of vadose zone soil gas concentrations. The higher soil gas results from Probe #1 are expected to be the result of elevated TCE concentrations in groundwater, rising groundwater level at the probe, the lithology at the blank casing section above the well screen, and the non-standard soil gas probe construction. The top of the screen at S-12 is located at approximately 87 feet bgs (2467.47 ft. AMSL), with soil gas results starting an increasing trend around May 2022 (excluding May 2025 data) at the time when the upper screen started becoming submerged, and increased significantly in May of 2023 when the screen was submerged approximately four feet. Soil gas rebound from a soil source is not believed to be occurring at the RRS SVE-6 area and the increased TCE soil gas concentrations is primarily thought to be a result of rising groundwater that contains elevated TCE concentration. Due to TCE soil gas results at probes #2 through #5 showing a generally stable trend at or near the laboratory reporting limits since approximately 2013, it is concluded that under current conditions soil gas rebound is not occurring at the RRS SVE-6 area and has been stable since 2018.

Historical soil gas data at MPSG/monitoring well S-12, including the most recent data collected in May 2025 is included in **Table 6.3**; however, the most recent result from the May 2025 sampling event is considered anomalous with respect to recent data trends and has therefore been excluded from trend analysis for this reporting period. Groundwater was sampled at MPSG/monitoring well S-12 during the reporting period in August 2025. A trend of historical groundwater TCE concentrations at well S-12 is included in **Appendix F**.

6.6 Conclusions and Path Forward to Closure

New SVE operational challenges have been encountered since remediation re-started at RRS SVE-7 in early 2021 due to the rising groundwater levels, which is likely to be a continued limitation for successful SVE system operation at the remaining RRSs. As described above, the SP recommend closure for the RRS sites, and the data documented in this and all PERs submitted for this Site serve as the justification for continued monitoring leading to closure of the RRSs.

As discussed in Section 6.5, increases in soil gas concentration may either be a result of a soil VOC source in the vadose zone diffusing into the vadose zone pore space or be the result of a VOC impacted groundwater off-gassing into the vadose zone or rising groundwater levels re-saturating the vadose zone and diffusing from the capillary fringe into the vadose zone as soil gas.

The Revised CSM (GHD, 2024a), and this section, discusses the SVE operational challenges that have been encountered, as described above, since soil vapor extraction was re-initiated at RRS SVE-7 in early 2021. These challenges have been a direct result of rising RA water levels, which is anticipated to be a continued limitation for successful SVE system operation at the RRS sites.

Previously rising groundwater levels are likely the root cause that flooded the RRS system and led to the seizure and non-functional status of the blower and system. Due to the rising groundwater levels, the RRS SVE wells may no longer be appropriately-screened for removal of vapor phase VOCs as designed, or may not be required because soil impacts have not resulted in water quality impacts. Additionally, due to the high moisture content in the vadose zone at the capillary fringe, soil vapor samples collected from MPSG/monitoring wells at or near groundwater elevation should be considered more representative of groundwater VOC concentrations off-gassing than previously impacted soil diffusing VOC vapors to groundwater.

It should be noted probe #1 at DBS&A MPSG/monitoring wells S-7 and S-12 may have been specifically installed by DBS&A to differentiate VOC volatilization from contaminated groundwater (DBS&A, 1995[2]) and bracket zones of impacted soil. All three of the MPSG/monitoring wells were installed approximately 8 years prior to the SVE wells and RRS remedy.

Based upon the evaluation provided in Section 6.5, the following conclusions and recommendations are provided:

- The RRS SVE system was non-operational during the entire reporting period due to a communications module failure that first occurred in August 2022, and subsequently to motor seizure of the RRS system.
- Monitoring of soil gas concentrations will be performed on an annual basis at the RRS monitoring wells unless a change in the monitoring schedule is approved by the agencies. The next annual sampling round is scheduled for August 2026. The results will be discussed in the Thirty-eighth PER.
- GSU groundwater elevations have risen at all RRS SVE wells between May 2007 (baseline) and August 2025, with increases of 3.13 feet, 4.27 feet, and 6.70 feet at wells SVE-5D, SVE-6D, and SVE-7D, respectively. Groundwater elevations have recently been within Unit-3 at S-7 and S-12, and Unit-3/Unit-4 at S-1, and are currently in the Unit 3 soil vapor extraction sand pack. SVE operational challenges have been encountered since remediation re-started at RRS SVE-7 in early 2021 due to rising groundwater levels, which is anticipated to be a continued limitation for successful SVE system operation at the remaining RRS SVE areas.
- As described in the Revised CSM (GHD, 2024a), the SP recommended closure consideration for the RRS sites, and the data documented in this and all PERs submitted for this Site serve as a basis for full or partial removal of these RRS areas.
    - The SVE-7 RRS area has not had rebound since the RRS system has been offline and both soil gas and groundwater TCE concentrations are less than the laboratory reporting limits since 2020. It is concluded that any potential residual soil contamination does not result in water quality impacts to the SGZ above the SGZ Performance Standards. It is recommended that the SVE-7 RRS area be removed from soil vapor extraction and monitoring at SVE-7 MPSG/monitoring well S-7 be reduced to biennially (once every two years) for potential long-term rebound monitoring.
    - The RRS SVE-5 MPSG/monitoring well (S-1) has shown steadily declining groundwater TCE concentrations and is currently less than the groundwater Performance Standard of 5 µg/L. TCE soil gas concentrations at MPSG/monitoring well S-1 are generally less than or near the laboratory reporting limit of 0.86 ppbv at probe #1 closest to groundwater, indicating any remaining residual mass at RRS SVE-5 is not impacting groundwater. Additionally, GSU groundwater TCE concentrations are greater than SGZ concentrations showing any potential TCE mass in the vadose zone soils is likely not impacting groundwater. At probe #2 soil gas TCE concentrations are still present, however they appear to be stable. Due to an absence of

[2] DBS&A, 1995. Re: Summary of Meeting Concerning scope of RI/FS Work Plan, Tucson International Airport', February 17, 1995.

rebound, stable soil gas concentrations, and decreasing groundwater concentrations, it is recommended the SVE-5 RRS area be conditionally removed from soil vapor extraction and that monitoring continue at the current schedule to evaluate for potential rebound.

- The RRS SVE-6 area MPSG/monitoring well S-12 lowest soil gas probe is no longer thought to be providing representative vadose zone soil gas data due to rising groundwater and well construction, excluding the May 2025 data. Two possible options are recommended to address the situation:
  - Wait for water levels to decline and the formation at the probe to dry out, then resample for potentially representative samples. Due to the probe installed in the annulus of the groundwater well screen the results will be biased towards groundwater TCE concentration.
  - Install a replacement soil gas monitoring well, approximately the same distance from SVE-6, to collect representative samples of the vadose zone in the RRS SVE-6 area.

6.6.1 Path Forward Towards Closure

On April 15, 2025, a quarterly Technical Working Group (TWG) meeting comprised of Technical Committee representatives from the SPs, USEPA and ADEQ representatives and consultants, and GHD was held at the Tucson International Airport. The TWG discussed the changing site conditions, well construction, soil vapor and groundwater COC trends at the RRS areas, and RRS system status. During the meeting the Agencies were in agreement that rising groundwater levels have negatively impacted the RRS operational status. Additionally, based on declining COC concentrations over time in the SGZ, and groundwater COC concentrations that are higher in the lower GSU and RA groundwater formations, as compared to the SGZ groundwater, there was agreement that off-gassing VOCs from impacted GSU groundwater was more likely to impact the vadose zone, than soil vapor concentrations that are at or near non-detect concentrations diffusing into groundwater. Based on the TWG meeting, the Agencies requested the the SPs develop a closure plan for the RRS areas with recommendations and a path forward towards closure of the RRS site. GHD is developing this closure plan for review by the SPs, with submittal anticipated in late 2025 or early 2026. Prior to submitting the closure plan, at least one round of soil vapor and groundwater monitoring will take place to evaluate the effect of declining water levels since the Thirty-fourth PER on soil vapor concentrations at the SVE-5 and SVE-6 RRS areas and provide additional data to develop a closure plan.

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Tables

Table 1.1
SGZ Remedy Treatment Performance Standards
TIAA Superfund Site - Airport Property
Tucson, Arizona

Contaminant of Concern [a]	Federal MCL (µg/L)	ADEQ HBGLs (µg/L)	Performance Standard (µg/L)
Volatile Organic Compounds			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	None	210,000	210,000
1,1-Dichloroethane (1,1-DCA)	None	None	5
1,1-Dichloroethene (1,1-DCE)	7	6.3	7
1,2-Dichloroethane (1,2-DCA)	5	0.38	5
cis-1,2-Dichloroethene (cis-1,2-DCE)	70	70	70
trans-1,2-Dichloroethene (trans-1,2-DCE)	100	140	100
1,2-Dichloropropane (1,2-DCP)	5	0.5	5
1,1,1-Trichloroethane	200	200	200
Acetone	None	700	700
Benzene	5	1.2	5
Carbon tetrachloride	5	0.27	5
Chlorobenzene	100	140	100
Chloroform (TCM)	80 [c]	5.7	100
Chloromethane	None	2.7	2.7
Dichlorodifluoromethane (Freon 12)	None	1,400	1,400 [d]
Ethylbenzene	700	700	700
Methyl ethyl ketone	None	350	350
Methylene chloride (DCM)	5	None	5
Tetrachloroethene (PCE)	5	0.70	5
Toluene	1,000	1,400	1,000
Trichloroethene (TCE)	5	3.2	5
Trichlorofluoromethane (Freon 11)	None	2,100	2,100
Trihalomethanes [e]	80 [f]	None	100
Xylenes [g]	10,000	10,000	10,000
Vinyl chloride (chloroethene)	2	0.02	2
Semi-Volatile Organic Compounds			
bis(2-ethylhexyl)phthalate	6	None	6
1,4-Dioxane	None	None	None
Metals			
Arsenic	10 [h]	0.02	50
Chromium	100	100	100
Lead	15	5	15

Table 1.1
SGZ Remedy Treatment Performance Standards
TIAA Superfund Site - Airport Property
Tucson, Arizona

Contaminant of Concern [a]	Federal MCL (µg/L)	ADEQ HBGLs (µg/L)	Performance Standard (µg/L)

Notes:

SGZ - Shallow Groundwater Zone
TIAA - Tucson International Airport Area
MCL - Maximum Contaminant Level
µg/L - micrograms per liter
ADEQ - Arizona Department of Environmental Quality
HBGLs - Health Based Guidance Levels for Contaminants in Drinking Water and Soil, ADEQ, March 1996
(a) Compounds were detected in groundwater samples collected during the RI, or were chemicals of potential concern for soil gas.
(b) From Table 2.3 of the Consent Decree Statement of Work
(c) MCL updated January 2002. Part of total trihalomethanes.
(d) ADEQ HBGL
(e) The sum of trihalomethanes = 80 (includes chloroform, bromodichloromethane, dibromochloromethane, and tribromomethane)
(f) MCL updated January 2002
(g) The sum of Xylenes MCL = 10,000 (includes o-Xylenes and m&p Xylenes)
(h) MCL updated January 2006

Table 2.1
Well Construction Details
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well ID	Unit	NAD83 Survey Coordinates Northing	Easting	Ref. Elev. Top of casing (ft AMSL)	Bottom of Screen (ft bgs)	Top of Screen (ft bgs)	Bottom of Screen Elevation (ft AMSL)	Mid-screen Elevation (ft AMSL)
CRA-1	SGZ	409,475.57	996,881.38	2,557.24	100	90	2,457.24	2,462.24
CRA-3	SGZ	409,475.62	996,876.88	2,558.20	102	92	2,456.20	2,461.20
CRA-13	SGZ	411,653.94	995,844.45	2,543.64	97	72	2,446.64	2,459.14
CRA-14	SGZ	411,234.41	995,864.35	2,545.87	100	75	2,445.87	2,458.37
CRA-16	SGZ	407,790.97	996,260.26	2,556.38	105	90	2,451.38	2,458.88
CRA-18	SGZ	407,845.67	996,041.60	2,554.20	108	93	2,446.20	2,453.70
CRA-21S	SGZ	408,353.05	996,652.25	2,557.62	108	93	2,449.62	2,457.12
CRA-22S	SGZ	408,220.22	996,023.31	2,552.69	108	93	2,444.69	2,452.19
CRA-24S	SGZ	409,411.65	996,646.59	2,558.36	103	88	2,455.36	2,462.86
CRA-31S	SGZ	410,063.81	995,931.88	2,549.33	98	88	2,451.33	2,456.33
CRA-34S	SGZ	409,959.11	996,108.32	2,550.58	101	81	2,449.58	2,459.58
CRA-38S	SGZ	408,431.48	996,009.95	2,551.66	107	92	2,444.66	2,452.16
CRA-39S	SGZ	408,702.73	995,990.93	2,550.77	107	92	2,443.77	2,451.27
CRA-52S	SGZ	409,734.45	996,338.13	2,556.74	105	90	2,451.74	2,459.24
CRA-57S***	SGZ	409,653.26	995,948.22	2,551.79	107	92	2,444.79	2,452.29
CRA-61S	SGZ	408,001.90	995,666.32	2,549.36	98	83	2,451.36	2,458.86
CRA-62S	SGZ	407,780.70	995,607.89	2,550.02	95	85	2,455.02	2,460.02
CRA-67S	SGZ	409,919.28	995,933.10	2,549.81	105	90	2,444.81	2,452.31
GHD-1S	SGZ	409,611.25	996,449.48	2,556.66	106	91	2,450.66	2,458.16
LF-3	SGZ	405,600.40	997,022.48	2,567.72	110	95	2,457.72	2,465.22
LF-4	SGZ	405,906.10	996,859.68	2,564.49	111	96	2,453.49	2,460.99
S-1	SGZ	409,149.75	996,202.18	2,552.28	98	88	2,454.18	2,459.18
S-3	SGZ	409,025.91	996,442.37	2,554.28	99	89	2,455.03	2,460.03
S-4	SGZ	409,065.37	996,357.45	2,552.55	99	89	2,454.05	2,459.05
S-5	SGZ	409,428.21	996,803.05	2,558.31	98	88	2,460.11	2,465.11
S-6	SGZ	409,214.24	997,309.39	2,559.81	97	87	2,462.61	2,467.61
S-7	SGZ	410,215.85	997,143.50	2,558.20	97	87	2,461.00	2,466.00
S-9	SGZ	409,316.16	995,972.36	2,550.29	100	85	2,450.29	2,457.79
S-10	SGZ	409,450.37	996,960.04	2,558.08	98	88	2,460.08	2,465.08
S-11	SGZ	409,245.14	996,957.39	2,556.89	95	85	2,461.89	2,466.89
S-12	SGZ	409,466.21	996,149.72	2,554.47	102	87	2,452.47	2,459.97
S-13	SGZ	410,061.15	997,447.30	2,561.08	100	90	2,461.08	2,466.08
S-14	SGZ	409,733.15	997,159.19	2,560.64	102	87	2,458.44	2,465.94
S-16	SGZ	409,431.47	996,564.69	2,557.45	98	88	2,459.25	2,464.25
S-17	SGZ	408,544.44	996,149.98	2,551.72	95	85	2,457.22	2,462.22
S-18	SGZ	409,511.25	995,959.78	2,550.81	106	86	2,444.81	2,454.81
S-19	SGZ	410,181.14	996,054.55	2,551.00	95	80	2,456.00	2,463.50
S-20	SGZ	410,475.96	996,552.09	2,553.95	100	85	2,453.95	2,461.45
S-21	SGZ	409,393.90	995,620.96	2,550.02	102	87	2,447.82	2,455.32
S-22	SGZ	405,710.59	999,220.21	2,587.05	118	108	2,468.85	2,473.85
S-23	SGZ	410,488.36	995,160.37	2,542.05	99	84	2,443.45	2,450.95
S-24***	SGZ	409,869.65	995,091.37	2,544.47	104	89	2,440.37	2,447.87
S-25	SGZ	408,822.87	995,575.18	2,547.77	103	88	2,445.27	2,452.77
S-26	SGZ	409,671.54	995,565.92	2,547.70	123	108	2,424.60	2,432.10

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Well ID	Unit	NAD83 Survey Coordinates Northing	Easting	Ref. Elev. Top of casing (ft AMSL)	Bottom of Screen (ft bgs)	Top of Screen (ft bgs)	Bottom of Screen Elevation (ft AMSL)	Mid-screen Elevation (ft AMSL)
S-27	SGZ	409,467.84	997,093.19	2,558.37	102	87	2,456.27	2,463.77
S-28	SGZ	408,721.04	997,005.39	2,558.88	102	87	2,457.28	2,464.78
S-30	SGZ	408,303.63	996,234.68	2,554.46	105	90	2,449.86	2,457.36
S-31	SGZ	411,514.31	996,151.48	2,549.33	97	82	2,452.73	2,460.28
S-32	SGZ	411,159.37	996,496.29	2,553.42	97	84	2,456.82	2,463.12
S-33	SGZ	411,154.56	996,722.89	2,554.17	94	84	2,460.17	2,465.17
S-34	SGZ	410,691.06	997,125.80	2,556.29	97	84	2,459.69	2,465.99
S-35	SGZ	408,042.53	996,531.98	2,558.66	113	93	2,445.66	2,455.71
S-36	SGZ	405,563.49	998,288.99	2,574.86	112	97	2,462.86	2,470.41
S-40	SGZ	407,105.52	997,035.08	2,562.23	99	89	2,463.63	2,468.63
S-41	SGZ	408,107.70	996,243.45	2,556.19	110	90	2,446.19	2,456.19
S-42	SGZ	411,701.37	996,049.09	2,548.22	98	83	2,450.22	2,457.72
CRA-2	GSU	409,428.40	996,819.40	2,557.63	126	116	2,431.63	2,436.63
CRA-5*	GSU	409,475.67	996,864.00	2,557.59	125	115	2,432.59	2,437.59
CRA-7	GSU	409,329.63	995,651.11	2,550.75	126	116	2,425.25	2,430.25
CRA-8	GSU	409,354.82	996,134.26	2,553.14	117	107	2,436.14	2,441.14
CRA-9	GSU	409,676.06	996,132.61	2,553.83	122	112	2,431.83	2,436.83
CRA-10	GSU	410,149.84	996,105.02	2,552.88	118	113	2,434.88	2,437.38
CRA-11	GSU	409,191.01	996,175.19	2,553.88	114	109	2,439.88	2,442.38
CRA-12	GSU	409,098.01	996,150.19	2,556.21	109	103	2,447.46	2,450.34
CRA-15	GSU	409,444.46	996,655.51	2,558.43	120	110	2,438.43	2,443.43
CRA-21D	GSU	408,353.05	996,652.25	2,557.50	125	118	2,432.50	2,436.00
CRA-22D	GSU	408,220.22	996,023.31	2,552.66	128	120	2,424.66	2,428.66
CRA-23	GSU	407,675.66	996,268.40	2,557.30	112	107	2,445.30	2,447.80
CRA-24D	GSU	409,411.82	996,646.73	2,558.38	118	110	2,440.38	2,444.38
CRA-31D	GSU	410,058.23	995,931.86	2,549.30	113	103	2,436.80	2,441.80
CRA-34D	GSU	409,951.49	996,109.32	2,550.66	119	104	2,431.66	2,439.16
CRA-38D	GSU	408,431.68	996,010.06	2,551.68	137	132	2,414.68	2,417.18
CRA-39D	GSU	408,703.09	995,990.84	2,550.78	119	114	2,431.78	2,434.28
CRA-42	GSU	409,863.77	995,381.81	2,547.39	134	129	2,413.89	2,416.39
CRA-52D	GSU	409,734.78	996,338.25	2,556.58	122	117	2,434.58	2,437.08
CRA-57D***	GSU	409,652.96	995,948.25	2,551.78	120	115	2,431.78	2,434.28
CRA-61D	GSU	408,001.66	995,666.33	2,549.34	116	106	2,433.34	2,438.34
CRA-62D	GSU	407,780.92	995,607.98	2,550.00	117	107	2,433.00	2,438.00
CRA-67D	GSU	409,932.33	995,932.53	2,549.91	134	126	2,415.91	2,420.16
DP-1*	GSU	409,412.09	996,633.37	2,557.78	120	115	2,437.78	2,440.28
EW-1*	GSU	409,572.57	996,134.84	2,552.82	122	112	2,430.82	2,435.82
EW-2	GSU	409,439.81	996,130.22	2,554.70	120	110	2,435.20	2,440.20
EW-2R*	GSU	409,362.82	996,141.76	2,552.58	117	107	2,435.58	2,440.58
EW-3	GSU	408,713.29	996,182.59	2,553.54	114	104	2,439.54	2,444.54
EW-4*	GSU	409,377.70	995,631.08	2,547.05	119	109	2,428.05	2,433.05
EW-5	GSU	409,051.53	995,799.98	2,547.44	126	121	2,421.44	2,423.94
GHD-1D	GSU	409,611.72	996,449.53	2,556.67	127	115	2,429.67	2,435.67
MWR-1	GSU	407,467.82	996,263.37	2,556.62	115	105	2,441.62	2,446.62

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TIAA Superfund Site - Airport Property
Tucson, Arizona

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MWS-1	GSU	411,510.97	996,022.79	2,549.04	121	111	2,428.54	2,433.54
S-2	GSU	408,925.64	996,164.88	2,553.12	111	91	2,442.62	2,452.62
S-16B	GSU	409,430.98	996,547.48	2,557.08	120	117	2,437.58	2,438.83
S-21B	GSU	409,401.66	995,612.49	2,550.39	117	110	2,433.09	2,436.84
S-29	GSU	409,139.01	996,187.19	2,552.79	113	108	2,440.29	2,442.79
S-37	GSU	409,367.65	995,109.67	2,543.74	110	101	2,433.34	2,438.09
S-38*	GSU	409,401.16	995,598.41	2,548.78	119	109	2,430.18	2,435.18
S-39	GSU	409,821.39	995,277.30	2,546.06	129	126	2,417.56	2,418.81
SVE-1D**	GSU	409,510.54	996,863.63	2,559.01	130	125	2,429.01	2,431.51
SVE-2D**	GSU	409,412.90	996,997.08	2,558.16	130	125	2,428.16	2,430.66
SVE-3D**	GSU	409,294.98	996,868.63	2,556.89	120	110	2,436.89	2,441.89
SVE-5D**	GSU	409,129.38	996,204.95	2,553.13	110	100	2,443.13	2,448.13
SVE-6D**	GSU	409,474.59	996,165.94	2,558.05	125	115	2,433.05	2,438.05
SVE-7D**	GSU	410,219.84	997,169.56	2,558.50	130	120	2,428.50	2,433.50
D-1	REGIONAL	409,058.84	996,359.78	2,552.47	149	139	2,403.47	2,408.47
D-2	REGIONAL	409,306.87	995,970.19	2,551.31	158	148	2,393.31	2,398.31
D-3	REGIONAL	409,052.14	997,311.89	2,560.48	168	158	2,392.28	2,397.28
D-4	REGIONAL	410,470.66	996,566.89	2,554.22	166	156	2,388.52	2,393.52
D-5	REGIONAL	409,695.46	995,950.93	2,551.75	156	146	2,395.55	2,400.55
D-6	REGIONAL	409,403.85	994,672.46	2,540.74	125	105	2,415.34	2,425.34
D-7	REGIONAL	409,852.65	994,893.56	2,542.28	139	129	2,403.28	2,408.28
D-8	REGIONAL	409,862.26	995,290.79	2,546.13	147	137	2,398.83	2,403.83
D-9	REGIONAL	410,177.45	996,113.38	2,556.98	165	155	2,391.98	2,396.98
LF-5	REGIONAL	405,890.70	996,421.67	2,564.88	112	97	2,452.88	2,460.38
LF-6	REGIONAL	405,630.40	996,721.77	2,567.74	113	97	2,455.24	2,462.89
LF-7	REGIONAL	405,946.09	996,587.76	2,563.29	107	97	2,456.29	2,461.29
MWR-2	REGIONAL	407,899.41	996,042.44	2,554.46	135	125	2,419.46	2,424.46
RW-1	REGIONAL	409,022.66	997,123.91	2,558.46	202	152	2,356.46	2,381.46
S-19P	OTHER	410,169.65	996,059.08	2,551.66	43	28	2,508.46	2,515.96

Notes:

TIAA - Tucson International Airport Area
NAD83 - North American Datum of 1983
Ref. Elev. - Reference Elevation
ft AMSL - feet Above Mean Sea Level
ft bgs - feet below ground surface
SGZ - Shallow Groundwater Zone

GSU - Gravel Subunit
REGIONAL - Regional Aquifer
RW-1 - Reinjection Well
* Groundwater Extraction Wells
** Soil Vapor Extraction Wells
*** Well head damaged by utility workers, requires re-survey

Table 3.1
Updated Groundwater Monitoring Program
November 2025 to October 2027 - SGZ Remedy
TIAA Superfund Site - Airport Property
Tucson, Arizona

Monitoring Well	Hydrogeologic Unit	Water Levels		VOC Sampling	
		Year 18 *	Year 19 **	Year 18 *	Year 19 **
TI Zone Wells					
S-5	SGZ	Q	Q	S	S
S-10	SGZ	Q	Q	A	A
CRA-5 (Extraction Well)	GSU	Q	Q	S	S
DP-1 (Extraction Well)	GSU	Q	Q	S	S
CRA-2	GSU	Q	Q	S	S
CRA-15	GSU	Q	Q	A	A
SVE-1D	GSU	Q	Q	A	A
SVE-2D	GSU	Q	Q	A	A
SVE-3D	GSU	Q	Q	A	A
Additional Wells for Water Levels Only (1)		Q	Q	--	--
On-Airport Property Wells					
CRA-31S	SGZ	Q	Q	A	A
CRA-34S	SGZ	Q	Q	A	A
CRA-52S	SGZ	Q	Q	S	S
CRA-57S	SGZ	Q	Q	S	S
CRA-67S	SGZ	Q	Q	S	S
GHD-1S	SGZ	Q	Q	S	S
S-1	SGZ	Q	Q	S	S
S-3	SGZ	Q	Q	A	A
S-4	SGZ	Q	Q	S	S
S-6	SGZ	Q	Q	S	S
S-7	SGZ	Q	Q	A	A
S-9	SGZ	Q	Q	S	S
S-11	SGZ	Q	Q	S	S
S-12	SGZ	Q	Q	S	S
S-13	SGZ	Q	Q	A	A
S-14	SGZ	Q	Q	S	S
S-16	SGZ	Q	Q	S	S
S-18	SGZ	Q	Q	S	S
S-19	SGZ	Q	Q	A	A
S-20	SGZ	Q	Q	A	A
S-27	SGZ	Q	Q	A	A
S-28	SGZ	Q	Q	A	A

Table 3.1
Updated Groundwater Monitoring Program
November 2025 to October 2027 - SGZ Remedy
TIAA Superfund Site - Airport Property
Tucson, Arizona

Monitoring Well	Hydrogeologic Unit	Water Levels		VOC Sampling	
		Year 18 *	Year 19 **	Year 18 *	Year 19 **
On-Airport Property Wells (cont'd)					
EW-1 (Extraction Well)	GSU	Q	Q	S	S
EW-2R (Extraction Well)	GSU	Q	Q	S	S
CRA-8	GSU	Q	Q	A	A
CRA-9	GSU	Q	Q	S	S
CRA-10	GSU	Q	Q	S	S
CRA-11	GSU	Q	Q	A	A
CRA-12	GSU	Q	Q	A	A
CRA-31D	GSU	Q	Q	S	S
CRA-34D	GSU	Q	Q	S	S
CRA-52D	GSU	Q	Q	S	S
CRA-57D	GSU	Q	Q	S	S
CRA-67D	GSU	Q	Q	S	S
GHD-1D	GSU	Q	Q	S	S
S-2	GSU	Q	Q	S	S
S-16B	GSU	Q	Q	S	S
S-29	GSU	Q	Q	A	A
SVE-5D	GSU	Q	Q	S	S
SVE-6D	GSU	Q	Q	S	S
SVE-7D	GSU	Q	Q	A	A
D-1	Regional	Q	Q	S	S
D-2	Regional	Q	Q	S	S
D-3	Regional	Q	Q	S	S
D-4	Regional	Q	Q	S	S
D-5	Regional	Q	Q	S	S
D-9	Regional	Q	Q	S	S
RW-1 (Reinjection Well)	Regional	Q	Q	--	--
Additional Wells for Water Levels Only (2)		Q	Q	--	--
Off-Airport Property Wells					
S-21	SGZ	Q	Q	S	S
S-23	SGZ	Q	Q	S	S
S-24	SGZ	Q	Q	S	S
S-26	SGZ	Q	Q	S	S
EW-4 (Extraction Well)	GSU	Q	Q	S	S
S-38 (Extraction Well)	GSU	Q	Q	S	S

Table 3.1
Updated Groundwater Monitoring Program
November 2025 to October 2027 - SGZ Remedy
TIAA Superfund Site - Airport Property
Tucson, Arizona

Monitoring Well	Hydrogeologic Unit	Water Levels		VOC Sampling	
		Year 18 *	Year 19 **	Year 18 *	Year 19 **
Off-Airport Property Wells (cont'd)					
CRA-7	GSU	Q	Q	S	S
CRA-42	GSU	Q	Q	A	A
EW-5	GSU	Q	Q	A	A
S-21B	GSU	Q	Q	A	A
S-37	GSU	Q	Q	S	S
S-39	GSU	Q	Q	S	S
D-6	Regional	Q	Q	S	S
D-7	Regional	Q	Q	S	S
D-8	Regional	Q	Q	S	S
Other Area Wells - Not Part of the Main SGZ Remedy Groundwater Monitoring Well Network					
Samsonite Building Area					
CRA-13***	SGZ	Q	Q	--	A
CRA-14***	SGZ	Q	Q	--	A
S-31***	SGZ	Q	Q	--	A
S-42***	SGZ	Q	Q	--	A
IW-__ ***	SGZ	Q	Q	--	A
MWS-1***	GSU	Q	Q	--	A
West End of Runway 3					
CRA-16	SGZ	Q	Q	A	A
CRA-18	SGZ	Q	Q	A	A
CRA-21S	SGZ	Q	Q	A	A
CRA-22S	SGZ	Q	Q	A	A
CRA-61S	SGZ	Q	Q	A	A
CRA-62S	SGZ	Q	Q	A	A
S-30	SGZ	Q	Q	A	A
S-35	SGZ	Q	Q	A	A
S-41	SGZ	Q	Q	A	A
CRA-21D	GSU	Q	Q	A	A
CRA-22D	GSU	Q	Q	A	A
CRA-23	GSU	Q	Q	A	A
CRA-61D	GSU	Q	Q	A	A

Table 3.1
Updated Groundwater Monitoring Program November 2025 to October 2027 - SGZ Remedy
TIAA Superfund Site - Airport Property
Tucson, Arizona

Monitoring Well	Hydrogeologic Unit	Water Levels		VOC Sampling	
		Year 18 *	Year 19 **	Year 18 *	Year 19 **
CRA-62D	GSU	Q	Q	A	A
MWR-1	GSU	Q	Q	A	A
West End of Runway 3 (cont'd)					
MWR-2	Regional	Q	Q	A	A
S-17 Area					
CRA-38S	SGZ	Q	Q	A	A
CRA-39S	SGZ	Q	Q	A	A
S-17	SGZ	Q	Q	A	A
S-25	SGZ	Q	Q	A	A
EW-3	GSU	Q	Q	A	A
CRA-38D	GSU	Q	Q	A	A
CRA-39D	GSU	Q	Q	A	A
Plug-in Subsites					
CU-1***	SGZ	Q	Q	--	A
S-22***	SGZ	Q	Q	--	A
S-32***	SGZ	Q	Q	--	A
S-33***	SGZ	Q	Q	--	A
S-34***	SGZ	Q	Q	--	A
S-36***	SGZ	Q	Q	--	A
S-40	SGZ	Q	Q	A	A
LF-3	SGZ	Q	Q	A	A
LF-4	SGZ	Q	Q	A	A
LF-5	Regional(3)	Q	Q	A	A
LF-6	Regional	Q	Q	A	A
LF-7	Regional	Q	Q	A	A

Notes:

GHD-1S and GHD-1D wells are inaccessible for monitoring due to a structurally unstable hangar over well.

SGZ - Shallow Groundwater Zone
TIAA - Tucson International Airport Area
VOC - Volatile Organic Compound
GSU - Gravel Subunit
Regional - Regional Aquifer
Q - Quarterly (4x/year)
S - Semi-annually (2x/year)
A - Annually (1x/year)

-- - Not Sampled
* Year 18 - 11/2025 to 10/2026
** Year 19 - 11/2026 to 10/2027
*** - Sampled on a 5-year monitoring frequency. Next sample event in 2027.
(1) CRA-24S, CRA-24D, CRA-1, CRA-3
(2) EW-2 and S-19P
(3) Hydrogeologic unit incorrectly categorized in previous PERs

Table 3.2
Groundwater Elevations
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well ID	Unit	Ref. Elev. Top of Casing	May 2007 05/24/07-05/31/07 DTW (ft bgs)	May 2007 05/24/07-05/31/07 Elevation (ft AMSL)	May 2025 05/05/2025 - 05/09/2025 DTW (ft bgs)	May 2025 05/05/2025 - 05/09/2025 Elevation (ft AMSL)	August 2025 08/19/2025 - 08/20/2025 DTW (ft bgs)	August 2025 08/19/2025 - 08/20/2025 Elevation (ft AMSL)	Change Baseline 2007 to August 2025 (ft)	Change May 2025 to August 2025 (ft)
TI Zone Wells										
CRA-1	SGZ	2,557.24	87.55	2,468.55	87.55	2,469.69	87.36	2,469.88	1.33	0.19
CRA-3	SGZ	2,558.20	87.62	2,469.44	87.69	2,470.51	NM	--	--	--
CRA-24S	SGZ	2,558.36	--	--	90.34	2,468.02	90.60	2,467.76	--	-0.26
S-5	SGZ	2,558.31	87.31	2,469.46	86.26	2,472.05	86.21	2,472.10	2.64	0.05
S-10	SGZ	2,558.08	87.15	2,469.92	84.78	2,473.30	83.08	2,475.00	5.08	1.70
CRA-2	GSU	2,557.63	87.37	2,469.12	88.19	2,469.44	88.03	2,469.60	0.48	0.16
CRA-5[1]	GSU	2,557.59	86.95	2,469.17	NM[4]	--	87.98	2,469.61	0.44	--
CRA-15	GSU	2,558.43	88.25	2,468.80	92.76	2,465.67	92.58	2,465.85	-2.95	0.18
CRA-24D	GSU	2,558.38	--	--	95.15	2,463.23	94.92	2,463.46	--	0.23
DP-1[1]	GSU	2,557.78	87.65	2,468.66	106.09	2,451.69	107.77	2,450.01	-18.65	-1.68
SVE-1D[2]	GSU	2,559.01	89.95	2,467.58	89.10	2,469.91	88.70	2,470.31	2.73	0.40
SVE-2D[2]	GSU	2,558.16	87.35	2,469.33	84.45	2,473.71	84.55	2,473.61	4.28	-0.10
SVE-3D	GSU	2,556.89	84.47	2,470.94	81.50	2,475.39	80.61	2,476.28	5.34	0.89
On-Airport Property Wells										
CRA-31S	SGZ	2,549.20	--	--	82.21	2,466.99	82.01	2,467.19	--	0.20
CRA-34S	SGZ	2,550.58	--	--	83.71	2,466.87	83.09	2,467.49	--	0.62
CRA-52S	SGZ	2,556.74	--	--	89.89	2,466.85	89.10	2,467.64	--	0.79
CRA-57S	SGZ	2,551.77	--	--	88.84	2,462.93	87.32	2,464.45	--	1.52
CRA-67S	SGZ	2,549.81	--	--	83.37	2,466.44	83.13	2,466.68	--	0.24
GHD-1S	SGZ	2,556.66	--	--	NM[4]	--	NM[4]	--	--	--
S-1	SGZ	2,552.28	85.84	2,465.43	84.00	2,468.28	83.77	2,468.51	3.08	0.23
S-3	SGZ	2,554.28	82.41	2,469.09	79.14	2,475.14	80.07	2,474.21	5.12	-0.93
S-4	SGZ	2,552.55	84.47	2,466.96	79.89	2,472.66	79.64	2,472.91	5.95	0.25
S-6	SGZ	2,559.81	86.59	2,471.72	82.42	2,477.39	82.55	2,477.26	5.54	-0.13
S-7	SGZ	2,558.20	87.95	2,469.11	85.23	2,472.97	85.15	2,473.05	3.94	0.08
S-9	SGZ	2,550.29	84.64	2,464.51	82.97	2,467.32	82.58	2,467.71	3.20	0.39
S-11	SGZ	2,556.89	84.39	2,471.36	80.95	2,475.94	81.12	2,475.77	4.41	-0.17
S-12	SGZ	2,554.47	88.36	2,464.97	88.71	2,465.76	88.01	2,466.46	1.49	0.70
S-13	SGZ	2,561.08	90.45	2,469.49	86.89	2,474.19	86.95	2,474.13	4.64	-0.06
S-14	SGZ	2,560.64	90.18	2,469.32	87.31	2,473.33	87.18	2,473.46	4.14	0.13
S-16	SGZ	2,557.45	88.47	2,467.92	89.10	2,468.35	89.12	2,468.33	0.41	-0.02
S-18	SGZ	2,550.81	86.20	2,463.47	87.30	2,463.51	85.95	2,464.86	1.39	1.35
S-19	SGZ	2,551.00	84.66	2,465.43	83.76	2,467.24	83.32	2,467.68	2.25	0.44
S-20	SGZ	2,553.95	85.94	2,466.87	82.96	2,470.99	82.87	2,471.08	4.21	0.09
S-27	SGZ	2,558.37	87.23	2,470.00	84.00	2,474.37	83.91	2,474.46	4.46	0.09
S-28	SGZ	2,558.88	85.22	2,472.52	80.52	2,478.36	80.70	2,478.18	5.66	-0.18
CRA-8	GSU	2,553.14	87.69	2,464.31	89.82	2,463.32	88.70	2,464.44	0.13	1.12
CRA-9	GSU	2,553.83	88.77	2,464.13	90.25	2,463.58	88.79	2,465.04	0.91	1.46
CRA-10	GSU	2,552.88	86.82	2,465.17	85.93	2,466.95	85.33	2,467.55	2.38	0.60
CRA-11	GSU	2,553.88	87.77	2,464.97	87.37	2,466.51	86.67	2,467.21	2.24	0.70
CRA-12	GSU	2,556.21	89.16	2,465.91	87.04	2,469.17	86.80	2,469.41	3.50	0.24
CRA-31D	GSU	2,549.22	--	--	82.31	2,466.91	82.05	2,467.17	--	0.26
CRA-34D	GSU	2,550.66	--	--	83.74	2,466.92	83.11	2,467.55	--	0.63
CRA-52D	GSU	2,556.58	--	--	90.52	2,466.06	89.56	2,467.02	--	0.96
CRA-57D	GSU	2,551.70	--	--	89.05	2,462.65	87.41	2,464.29	--	1.64
CRA-67D	GSU	2,549.91	--	--	86.31	2,463.60	83.74	2,466.17	--	2.57
EW-1[1]	GSU	2,552.82	87.59	2,463.86	99.63	2,453.19	99.30	2,453.52	-10.34	0.33
EW-2	GSU	2,554.70	88.93	2,464.63	89.00	2,465.70	88.90	2,465.80	1.17	0.10
EW-2R[1]	GSU	2,552.58	87.33	2,464.29	102.80	2,449.78	105.20	2,447.38	-16.91	-2.40

Table 3.2
Groundwater Elevations
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well ID	Unit	Ref. Elev. Top of Casing	May 2007 05/24/07-05/31/07 DTW (ft bgs)	May 2007 05/24/07-05/31/07 Elevation (ft AMSL)	May 2025 05/05/2025 - 05/09/2025 DTW (ft bgs)	May 2025 05/05/2025 - 05/09/2025 Elevation (ft AMSL)	August 2025 08/19/2025 - 08/20/2025 DTW (ft bgs)	August 2025 08/19/2025 - 08/20/2025 Elevation (ft AMSL)	Change Baseline 2007 to August 2025 (ft)	Change May 2025 to August 2025 (ft)
GHD-1D	GSU	2,556.67	--	--	NM[4]	--	NM[4]	--	--	--
On-Airport Property Wells (cont'd)										
S-2	GSU	2,553.12	85.08	2,466.90	80.35	2,472.77	80.13	2,472.99	6.09	0.22
S-16B	GSU	2,557.08	89.19	2,466.75	90.51	2,466.57	89.91	2,467.17	0.42	0.60
S-29	GSU	2,552.79	86.28	2,465.37	85.12	2,467.67	84.66	2,468.13	2.76	0.46
SVE-5D[2]	GSU	2,553.13	86.47	2,465.76	84.50	2,468.63	84.24	2,468.89	3.13	0.26
SVE-6D[2]	GSU	2,558.05	89.63	2,464.53	90.50	2,467.55	89.25	2,468.80	4.27	1.25
SVE-7D[2]	GSU	2,561.18	88.53	2,468.83	87.41	2,473.77	85.65	2,475.53	6.70	1.76
D-1	Regional	2,552.47	93.82	2,457.51	88.60	2,463.87	82.69	2,469.78	12.27	5.91
D-2	Regional	2,551.31	93.75	2,456.42	88.26	2,463.05	82.94	2,468.37	11.95	5.32
D-3	Regional	2,560.48	100.41	2,458.93	94.59	2,465.89	88.88	2,471.60	12.67	5.71
D-4	Regional	2,554.22	97.62	2,455.46	91.59	2,462.63	86.73	2,467.49	12.03	4.86
D-5	Regional	2,551.75	94.78	2,456.12	89.00	2,462.75	83.69	2,468.06	11.94	5.31
D-9	Regional	2,556.98	100.49	2,455.35	93.55	2,463.43	89.63	2,467.35	12.00	3.92
RW-1[3]	Regional	2,558.46	98.12	2,458.86	83.92	2,474.54	73.30	2,485.16	26.30	10.62
S-19P	Other	2,551.66	37.50	2,513.02	41.83	2,509.83	38.32	2,513.34	0.32	3.51
Off-Airport Property Wells										
S-21	SGZ	2,550.02	87.00	2,461.88	88.39	2,461.63	89.04	2460.98	0.90	0.65
S-23	SGZ	2,542.05	81.93	2,458.98	78.06	2,463.99	77.89	2,464.16	5.18	0.17
S-24	SGZ	2,544.47	84.43	2,458.90	NM[4]	--	NM[4]	--	--	--
S-26	SGZ	2,547.70	85.35	2,461.52	85.05	2,462.65	83.36	2,464.34	2.82	1.69
CRA-6	GSU	2,546.66	85.88	2,460.78	--	--	--	--	--	--
CRA-7	GSU	2,550.75	88.27	2,461.34	89.39	2,461.36	86.80	2,463.95	2.61	2.59
CRA-42	GSU	2,547.39	--	--	86.13	2,461.26	81.90	2,465.49	--	4.23
EW-4[1]	GSU	2,547.05	84.11	2,461.46	89.35	2,457.70	86.82	2,460.23	-1.23	2.53
EW-5	GSU	2,547.44	85.54	2,461.10	84.54	2,462.90	81.52	2,465.92	4.82	3.02
S-21B	GSU	2,550.39	87.86	2,461.39	89.99	2,460.40	87.49	2,462.90	1.51	2.50
S-37	GSU	2,543.74	87.78	2,454.82	81.83	2,461.91	77.91	2,465.83	11.01	3.92
S-38[1]	GSU	2,548.78	86.67	2,461.29	95.42	2,453.36	93.45	2,455.33	-5.96	1.97
S-39	GSU	2,546.06	90.71	2,454.47	84.69	2,461.37	80.50	2,465.56	11.09	4.19
D-6	Regional	2,540.74	85.72	2,453.88	79.34	2,461.40	75.79	2,464.95	11.07	3.55
D-7	Regional	2,542.28	87.71	2,453.43	81.37	2,460.91	77.51	2,464.77	11.34	3.86
D-8	Regional	2,546.13	91.00	2,454.31	85.00	2,461.13	80.65	2,465.48	11.17	4.35
Other Area Wells - Not Part of the Main SGZ Remedy Groundw										
Plug-in Subsite - Samsonite Building Area										
CRA-13	SGZ	2,543.64	81.53	2,460.97	77.37	2,466.27	77.12	2,466.52	5.55	0.25
CRA-14	SGZ	2,545.87	82.58	2,462.15	78.59	2,467.28	78.48	2,467.39	5.24	0.11
S-31	SGZ	2,549.33	85.65	2,462.54	81.65	2,467.68	81.73	2,467.60	5.06	-0.08
Plug-in Subsite - West End of Runway 3										
CRA-16	SGZ	2,556.38	87.73	2,467.51	80.44	2,475.94	79.10	2,477.28	9.77	1.34
CRA-18	SGZ	2,554.20	88.18	2,464.88	81.65	2,472.55	79.33	2,474.87	9.99	2.32
CRA-21S	SGZ	2,557.62	84.51	2,471.97	79.75	2,477.87	79.72	2,477.90	5.93	0.03
CRA-22S	SGZ	2,552.69	85.82	2,465.73	78.82	2,473.87	77.83	2,474.86	9.13	0.99
CRA-61S	SGZ	2,549.36	--	--	80.97	2,468.39	77.10	2,472.26	--	3.87
CRA-62S	SGZ	2,550.02	--	--	81.28	2,468.74	77.37	2,472.65	--	3.91
S-30	SGZ	2,554.46	85.81	2,467.51	79.12	2,475.34	78.48	2,475.98	8.47	0.64
S-35	SGZ	2,558.66	87.98	2,469.54	81.41	2,477.25	80.97	2,477.69	8.15	0.44
S-41	SGZ	2,556.19	88.72	2,466.49	81.95	2,474.24	80.65	2,475.54	9.05	1.30

Table 3.2
Groundwater Elevations
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well ID	Unit	Ref. Elev. Top of Casing	May 2007 05/24/07-05/31/07 DTW (ft bgs)	May 2007 05/24/07-05/31/07 Elevation (ft AMSL)	May 2025 05/05/2025 - 05/09/2025 DTW (ft bgs)	May 2025 05/05/2025 - 05/09/2025 Elevation (ft AMSL)	August 2025 08/19/2025 - 08/20/2025 DTW (ft bgs)	August 2025 08/19/2025 - 08/20/2025 Elevation (ft AMSL)	Change Baseline 2007 to August 2025 (ft)	Change May 2025 to August 2025 (ft)
CRA-21D	GSU	2,557.50	86.33	2,470.03	80.98	2,476.52	80.58	2,476.92	6.89	0.40
CRA-22D	GSU	2,552.66	92.06	2,459.46	87.08	2,465.58	81.60	2,471.06	11.60	5.48
Plug-in Subsite - West End of Runway 3 (cont'd)										
CRA-23	GSU	2,557.30	88.70	2,467.02	81.75	2,475.55	79.10	2,478.20	11.18	2.65
CRA-61D	GSU	2,549.34	--	--	83.75	2,465.59	78.46	2,470.88	--	5.29
CRA-62D	GSU	2,550.00	--	--	83.74	2,466.26	78.69	2,471.31	--	5.05
MWR-1	GSU	2,556.62	88.48	2,467.00	81.52	2,475.10	78.76	2,477.86	10.86	2.76
MWR-2	Regional	2,554.46	93.34	2,460.18	88.54	2,465.92	82.90	2,471.56	11.38	5.64
Plug-in Subsite - S-17 Area										
CRA-38S	SGZ	2,551.66	--	--	77.78	2,473.88	77.51	2,474.15	--	0.27
CRA-39S	SGZ	2,550.77	--	--	77.21	2,473.56	77.26	2,473.51	--	-0.05
S-17	SGZ	2,551.72	83.31	2,467.27	76.80	2,474.92	76.68	2,475.04	7.77	0.12
S-25	SGZ	2,547.77	84.42	2,462.60	77.35	2,470.42	76.95	2,470.82	8.22	0.40
S-42	SGZ	2,548.22	85.61	2,461.47	81.45	2,466.77	81.54	2,466.68	5.21	-0.09
CRA-38D	GSU	2,551.68	--	--	83.31	2,468.37	79.37	2,472.31	--	3.94
CRA-39D	GSU	2,550.78	--	--	77.25	2,473.53	76.47	2,474.31	--	0.78
EW-3	GSU	2,553.54	84.48	2,467.59	79.30	2,474.24	79.18	2,474.36	6.77	0.12
MWS-1	GSU	2,549.04	87.28	2,460.62	81.99	2,467.05	81.85	2,467.19	6.57	0.14
Plug-in Subsite - Other Wells										
CU-1	SGZ	2,575.30	94.74	2,480.56	86.68	2,488.62	87.40	2,487.90	7.34	-0.72
LF-3	SGZ	2,567.72	87.03	2,479.55	81.65	2,486.07	81.86	2,485.86	6.31	-0.21
LF-4	SGZ	2,564.49	86.08	2,477.27	80.31	2,484.18	80.18	2,484.31	7.04	0.13
S-22	SGZ	2,587.05	98.96	2,486.95	96.14	2,490.91	97.51	2,489.54	2.59	-1.37
S-32	SGZ	2,553.42	87.48	2,464.48	83.60	2,469.82	83.72	2,469.70	5.22	-0.12
S-33	SGZ	2,554.17	87.67	2,465.36	83.56	2,470.61	83.68	2,470.49	5.13	-0.12
S-34	SGZ	2,556.29	87.27	2,467.88	83.74	2,472.55	83.71	2,472.58	4.70	0.03
S-36	SGZ	2,574.86	87.13	2,486.59	83.58	2,491.28	85.50	2,489.36	2.77	-1.92
S-40	SGZ	2,562.23	83.28	2,477.81	76.56	2,485.67	76.94	2,485.29	7.48	-0.38
LF-5	Regional	2,564.88	90.58	2,473.16	84.82	2,480.06	84.22	2,480.66	7.50	0.60
LF-6	Regional	2,567.74	90.11	2,476.49	83.59	2,484.15	83.45	2,484.29	7.80	0.14
LF-7	Regional	2,563.29	86.99	2,475.16	80.31	2,482.98	79.94	2,483.35	8.19	0.37

Notes:

TIAA - Tucson International Airport Area
Ref. Elev. - Reference Elevation
DTW - Depth to Water
ft - feet
ft bgs - feet below ground surface
ft AMSL - feet Above Mean Sea Level
SGZ - Shallow Groundwater Zone
GSU - Gravel Subunit
Regional - Regional Aquifer
-- - Not Applicable
NM - Not Measured
[1] Extraction Well
[2] Soil Vapor Extraction Well with screen in GSU
[3] Reinjection Well
[4] Well not accessible

Table 3.3
Hydraulic Gradients
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well ID	Unit	Ref. Elev. Top of Casing (ft AMSL)	2015 Adjusted Survey[1] Ref. Elev. Top of Casing (ft AMSL)	2015 Adjusted Survey Mid-screen Elevation (ft AMSL)	Baseline 05/24/07-05/31/07 DTW (ft bgs)	Baseline 05/24/07-05/31/07 Elevation (ft AMSL)	Baseline Vertical Hydraulic Gradient [2] (ft/ft)	May 2025 05/05/2025 - 05/09/2025 DTW (ft bgs)	May 2025 05/05/2025 - 05/09/2025 Elevation (ft AMSL)	May 2025 Vertical Hydraulic Gradient [2] (ft/ft)	May 2025 Difference[3] (ft/ft)	August 2025 08/19/2025 - 08/20/2025 DTW (ft bgs)	August 2025 08/19/2025 - 08/20/2025 Elevation (ft AMSL)	August 2025 Vertical Hydraulic Gradient [2] (ft/ft)	August 2025 Difference[3] (ft/ft)
Vertical Gradients															
TI Zone															
S-5	SGZ	2,556.77	2,558.31	2,465.11	87.31	2,469.46	0.012	86.26	2,472.05	0.092	0.080	86.21	2,472.10	0.088	0.076
CRA-2	GSU	2,556.49	2,557.63	2,436.63	87.37	2,469.12		88.19	2,469.44			88.03	2,469.60		
CRA-2	GSU	2,556.49	2,557.63	2,436.63	87.37	2,469.12	0.006	88.19	2,469.44	0.109	0.103	88.03	2,469.60	-0.011	-0.017
TI Zone*	Regional	--	2391.14	2,391.14	--	2,454.50		--	2,464.50			--	2,470.10		
CRA-24S [4]	SGZ	2,556.88	2,558.36	2,462.86	100.06	2,456.82	0.240	90.34	2,468.02	0.259	0.019	90.60	2,467.76	0.233	-0.007
CRA-24D [4]	GSU	2,556.90	2,558.38	2,444.38	104.51	2,452.39		95.15	2,463.23			94.92	2,463.46		
On-Airport Property															
S-1	SGZ	2,550.90	2,552.28	2,458.94	85.84	2,465.43	0.004	84.00	2,468.28	0.038	0.034	83.77	2,468.51	0.024	0.020
S-29	GSU	2,551.65	2,552.79	2,442.79	86.28	2,465.37		85.12	2,467.67			84.66	2,468.13		
S-16	SGZ	2,556.39	2,557.45	2,468.75	88.47	2,467.92	0.039	89.10	2,468.35	0.059	0.020	89.12	2,468.33	0.039	0.000
S-16B	GSU	2,555.94	2,557.08	2,438.83	89.19	2,466.75		90.51	2,466.57			89.91	2,467.17		
S-19	SGZ	2,550.09	2,551.00	2,463.50	84.66	2,465.43	0.010	83.76	2,467.24	0.011	0.001	83.32	2,467.68	0.005	-0.005
CRA-10	GSU	2,551.99	2,552.88	2,437.38	86.82	2,465.17		85.93	2,466.95			85.33	2,467.55		
CRA-10	GSU	2,551.99	2,552.88	2,437.38	86.82	2,465.17	0.242	85.93	2,466.95	0.087	-0.154	85.33	2,467.55	0.005	-0.237
D-9	Regional	2,555.84	2,556.98	2,396.98	100.49	2,455.35		93.55	2,463.43			89.63	2,467.35		
S-20	SGZ	2,552.84	2,553.95	2,461.45	85.94	2,466.87	0.168	82.96	2,470.99	0.123	-0.045	82.87	2,471.08	0.053	-0.115
D-4	Regional	2,553.23	2,554.22	2,393.52	97.62	2,455.46		91.59	2,462.63			86.73	2,467.49		
S-4	SGZ	2,551.43	2,552.57	2,459.07	84.47	2,466.96	0.187	79.89	2,472.66	0.174	-0.013	79.64	2,472.91	0.062	-0.125
D-1	Regional	2,551.33	2,552.47	2,408.47	93.82	2,457.51		88.60	2,463.87			82.69	2,469.78		
S-9	SGZ	2,549.15	2,550.29	2,457.79	84.64	2,464.51	0.136	82.97	2,467.32	0.072	-0.064	82.58	2,467.71	-0.011	-0.147
D-2	Regional	2,550.17	2,551.31	2,398.31	93.75	2,456.42		88.26	2,463.05			82.94	2,468.37		
S-6	SGZ	2,558.31	2,559.81	2,467.61	86.59	2,471.72	0.183	82.42	2,477.39	0.164	-0.019	82.55	2,477.26	0.080	-0.102
D-3	Regional	2,559.34	2,560.48	2,397.28	100.41	2,458.93		94.59	2,465.89			88.88	2,471.60		
CRA-67S [5]	SGZ	2,549.81	2,549.81	2,452.31	88.42	2,461.39	0.046	83.37	2,466.44	0.088	0.042	83.13	2,466.68	0.016	-0.030
CRA-67D [5]	GSU	2,549.91	2,549.91	2,420.16	90.00	2,459.91		86.31	2,463.60			83.74	2,466.17		

Table 3.3
Hydraulic Gradients
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well ID	Unit	Ref. Elev. Top of Casing (ft AMSL)	2015 Adjusted Survey[1] Ref. Elev. Top of Casing (ft AMSL)	2015 Adjusted Survey Mid-screen Elevation (ft AMSL)	Baseline 05/24/07-05/31/07 DTW (ft bgs)	Baseline Elevation (ft AMSL)	Baseline Vertical Hydraulic Gradient [2] (ft/ft)	May 2025 05/05/2025 - 05/09/2025 DTW (ft bgs)	May 2025 Elevation (ft AMSL)	May 2025 Vertical Hydraulic Gradient [2] (ft/ft)	May 2025 Difference[3] (ft/ft)	August 2025 08/19/2025 - 08/20/2025 DTW (ft bgs)	August 2025 Elevation (ft AMSL)	August 2025 Vertical Hydraulic Gradient [2] (ft/ft)	August 2025 Difference[3] (ft/ft)
Vertical Gradients (cont'd)															
Off-Airport Property															
S-21	SGZ	2,548.88	2,550.02	2,455.32	87.00	2,461.88	0.027	88.39	2,461.63	0.067	0.040	89.04	2,460.98	-0.104	-0.130
S-21B	GSU	2,549.25	2,550.39	2,436.84	87.86	2,461.39		89.99	2,460.40			87.49	2,462.90		
S-39	GSU	2,544.92	2,546.06	2,418.81	90.71	2,454.47	0.011	84.69	2,461.37	0.016	0.005	80.50	2,465.56	0.005	-0.005
D-8	Regional	2,544.99	2,546.13	2,403.83	91.00	2,454.31		85.00	2,461.13			80.65	2,465.48		
S-37	GSU	2,542.60	2,543.74	2,438.09	87.78	2,454.82	0.074	81.83	2,461.91	0.040	-0.034	77.91	2,465.83	0.069	-0.005
D-6	Regional	2,539.60	2,540.74	2,425.34	85.72	2,453.88		79.34	2,461.40			75.79	2,464.95		
West End of Runway 3															
CRA-22S	SGZ	2,551.55	2,552.69	2,452.19	85.82	2,465.73	0.266	78.82	2,473.87	0.352	0.086	77.83	2,474.86	0.161	-0.105
CRA-22D	GSU	2,551.52	2,552.66	2,428.66	92.06	2,459.46		87.08	2,465.58			81.60	2,471.06		
CRA-21S	SGZ	2,556.48	2,557.62	2,457.12	84.51	2,471.97	0.092	79.75	2,477.87	0.064	-0.028	79.72	2,477.90	0.046	-0.045
CRA-21D	GSU	2,556.36	2,557.50	2,436.00	86.33	2,470.03		80.98	2,476.52			80.58	2,476.92		
Horizontal Gradients															
S-14	SGZ	--	--	--	90.18	2,469.32	0.007	87.31	2,473.33	0.006	-0.001	87.18	2,473.46	0.006	-0.001
CRA-31S [6]	SGZ	--	--	--	84.10	2,464.35		82.21	2,466.99			82.01	2,467.19		
S-20	SGZ	2,552.84	2553.95	2,461.45	85.94	2,466.87		82.96	2,470.99			82.87	2,471.08		
S-6	SGZ	2,558.31	2,559.81	2467.61	86.59	2,471.72	0.008	82.42	2,477.39	0.006	-0.002	82.55	2,477.26	0.006	-0.002
S-11	SGZ	--	--	--	84.39	2,471.36		80.95	2,475.94			81.12	2,475.77		
S-28	SGZ	--	--	--	85.22	2,472.52		80.52	2,478.36			80.70	2,478.18		
S-2	GSU	--	--	--	85.08	2,466.90	0.007	80.35	2,472.77	0.031	0.024	80.13	2,472.99	0.024	0.018
EW-5	GSU	--	--	--	85.54	2,461.10		84.54	2,462.90			81.52	2,465.92		
CRA-11	GSU	--	--	--	87.77	2,464.97		87.37	2,466.51			86.67	2,467.21		
D-1	Regional	2,551.33	2,552.47	2408.47	93.82	2,457.51	0.002	88.60	2,463.87	0.002	0.000	82.69	2,469.78	0.003	0.000
D-4	Regional	2,553.23	2,554.22	2393.52	97.62	2,455.46		91.59	2,462.63			86.73	2,467.49		
D-8	Regional	2,544.99	2,546.13	2403.83	91.00	2,454.31		85.00	2,461.13			80.65	2,465.48		

Table 3.3
Hydraulic Gradients
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well ID	Unit	Ref. Elev. Top of Casing (ft AMSL)	2015 Adjusted Survey[1] Ref. Elev. Top of Casing (ft AMSL)	2015 Adjusted Survey Mid-screen Elevation (ft AMSL)	Baseline 05/24/07-05/31/07 DTW (ft bgs)	Baseline 05/24/07-05/31/07 Elevation (ft AMSL)	Baseline 05/24/07-05/31/07 Vertical Hydraulic Gradient [2] (ft/ft)	May 2025 05/05/2025 - 05/09/2025 DTW (ft bgs)	May 2025 05/05/2025 - 05/09/2025 Elevation (ft AMSL)	May 2025 05/05/2025 - 05/09/2025 Vertical Hydraulic Gradient [2] (ft/ft)	May 2025 Difference[3] (ft/ft)	August 2025 08/19/2025 - 08/20/2025 DTW (ft bgs)	August 2025 08/19/2025 - 08/20/2025 Elevation (ft AMSL)	August 2025 08/19/2025 - 08/20/2025 Vertical Hydraulic Gradient [2] (ft/ft)	August 2025 Difference[3] (ft/ft)

Notes:

TIAA - Tucson International Airport Area
Ref. Elev. - Reference Elevation
DTW - Depth to Water
ft AMSL - feet Above Mean Sea Level
ft bgs - feet below ground surface
ft/ft - feet per foot
SGZ - Shallow Groundwater Zone
GSU - Gravel Subunit
Regional - Regional Aquifer
(1) Updated reference elevations from March 2015 survey. Used to determine water elevations beginning in May 2015.
(2) Negative Hydraulic Gradient indicates upward movement. Positive Hydraulic Gradient indicates downward movement. Obtained from slope between measured DTW of wells over slope of mid-screen elevation.
(3) Between Current and Baseline Hydraulic Gradients
(4) Well installed after 5/2007 baseline, therefore baseline water levels (collected on 11/6/2008) after well installation used.
(5) Well installed after 5/2007 baseline, therefore baseline water levels (collected on 5/23/2016) after well installation used.
(6) Well installed after 5/2007 baseline, therefore baseline water levels (collected on 11/24/2009) after well installation used.
* The groundwater elevation in the Regional Aquifer beneath the TI Zone was estimated based on the groundwater contours.

Table 3.4

August 2025 Groundwater Analytical Results

TIAA Superfund Site - Airport Property

Tucson, Arizona

Volatile Organic Compounds	Units	Treated Groundwater Discharge Standards [(a)]	GSU CRA-2 GW-080425-EH-77 08/04/25	GSU CRA-2 GW-080425-EH-78 08/04/25 Duplicate	GSU CRA-5 GW-070825-WT-20 07/08/25	GSU CRA-5 GW-080725-TF-13 8/7/2025	GSU CRA-7 GW-071825-KB-45 07/18/25	GSU CRA-8 GW-070925-WT-24 07/09/25	GSU CRA-9 GW-070825-WT-21 07/08/25	GSU CRA-10 GW-070825-WT-17 07/08/25	GSU CRA-11 GW-080425-EH-79 08/04/25
		Hydrostratigraphic	GSU	GSU	GSU	GSU	GSU	GSU	GSU	GSU	GSU
		Sample Location:	CRA-2	CRA-2	CRA-5	CRA-5	CRA-7	CRA-8	CRA-9	CRA-10	CRA-11
		Sample Identification:	GW-080425-EH-77	GW-080425-EH-78	GW-070825-WT-20	GW-080725-TF-13	GW-071825-KB-45	GW-070925-WT-24	GW-070825-WT-21	GW-070825-WT-17	GW-080425-EH-79
		Sample Date:	08/04/25	08/04/25	07/08/25	8/7/2025	07/18/25	07/09/25	07/08/25	07/08/25	08/04/25
		Sample Type:		Duplicate							
1,1,1-Trichloroethane	µg/L	200	ND(0.50)	ND(0.50)	ND(5.0)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)
1,1-Dichloroethane (1,1-DCA)	µg/L	5	ND(0.50)	ND(0.50)	ND(5.0)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)
1,1-Dichloroethene (1,1-DCE)	µg/L	7	1.6 J+	1.60	**8.7**	6.9	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)
1,2-Dichloroethane (1,2-DCA)	µg/L	5	ND(0.50)	ND(0.50)	ND(5.0)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)	0.81
1,2-Dichloropropane (1,2-DCP)	µg/L	5	ND(0.50)	ND(0.50)	ND(5.0)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)	1.70
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	350	ND(10)	ND(10)	ND(100)	ND(50)	ND(10)	ND(10)	ND(10)	ND(100)	ND(10)
Acetone	µg/L	700	ND(10)	ND(10)	ND(100)	ND(50)	ND(10)	ND(10)	ND(10)	ND(100)	ND(10)
Benzene	µg/L	5	ND(0.50)	ND(0.50)	ND(5.0)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)
Carbon tetrachloride	µg/L	5	ND(0.50)	ND(0.50)	ND(5.0)	ND(2.5)	ND(0.50)	0.82	ND(0.50)	ND(5.0)	0.72
Chlorobenzene	µg/L	100	ND(0.50)	ND(0.50)	ND(5.0)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)
Chloroform (TCM)	µg/L	100	0.86 J+	0.83	ND(5.0)	ND(2.5)	0.78	6.00	ND(0.50)	ND(5.0)	6.30
Chloromethane (Methyl chloride)	µg/L	2.7	ND(1.0)	ND(1.0)	ND(10)	ND(5.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(10)	ND(1.0)
cis-1,2-Dichloroethene (cis-1,2-DCE)	µg/L	70	ND(0.50)	ND(0.50)	ND(5.0)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)
Dichlorodifluoromethane (CFC-12)	µg/L	1,400	ND(0.50)	ND(0.50)	ND(5.0)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)
Ethylbenzene	µg/L	700	ND(0.50)	ND(0.50)	ND(5.0)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)
Methylene chloride (DCM)	µg/L	5	ND(1.0)	ND(1.0)	ND(10)	ND(5.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(10)	ND(1.0)
Tetrachloroethene (PCE)	µg/L	5	ND(0.50)	ND(0.50)	ND(5.0)	ND(2.5)	ND(0.50)	1.10	ND(0.50)	ND(5.0)	0.64
Toluene	µg/L	1,000	ND(0.50)	ND(0.50)	ND(5.0)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)
trans-1,2-Dichloroethene (trans-1,2-DCE)	µg/L	100	ND(0.50)	ND(0.50)	ND(5.0)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)
Trichloroethene (TCE)	µg/L	5	**32 J+**	**32**	**46**	**43**	**7.0**	**16**	**49**	ND(5.0)	**24**
Trichlorofluoromethane (CFC-11)	µg/L	2,100	ND(0.50)	ND(0.50)	ND(5.0)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)
Trifluorotrichloroethane (Freon 113)	µg/L	210,000	ND(5.0)	ND(5.0)	ND(50)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(50)	ND(5.0)
Trihalomethanes*	µg/L	100	0.86	0.83	ND(20)	ND(10)	0.78	6.00	ND(2.0)	ND(20)	6.30
Total Xylenes**	µg/L	10,000	ND(1.0)	ND(1.0)	ND(10.0)	ND(5.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(1.0)
Vinyl chloride (chloroethene)	µg/L	2	ND(0.50)	ND(0.50)	ND(5.0)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)

Notes:

All Units are in micrograms per liter (µg/L)

ND( ) = The result was less than the listed laboratory reporting limit.

J - Estimated concentration.

J- - Estimated concentration;results may be biased low

J+ - Estimated concentration;results may be biased high

ND( )J - Not detected; associated reporting limit is estimated

(a) From Table 2.3 of the TAA Soils Consent Decree SOW

Bold Values highlight Performance Standard Exceedances

* The performance standard for Trihalomethanes is for the sum of all four analytes; therefore ND is reported as the lowest reporting detection limit of these parameters

** The performance standard for Xylenes is the sum of M, P, and O-Xylene

Table 3.4

August 2025 Groundwater Analytical Results

TIAA Superfund Site - Airport Property

Tucson, Arizona

		Hydrostratigraphic	GSU	GSU	GSU	GSU	GSU	GSU	GSU	GSU	GSU
		Sample Location:	CRA-12	CRA-12	CRA-15	CRA-21D	CRA-22D	CRA-23	CRA-31D	CRA-34D	CRA-38D
		Sample Identification:	GW-080525-EH-80	GW-080525-EH-81	GW-072925-EH-69	GW-081825-EH-111	GW-080725-EH-87	GW-080125-EH-75	GW-071425-KB-28	GW-070825-WT-18	GW-081425-EH-103
		Sample Date:	08/05/25	08/05/25	07/29/25	08/18/25	08/07/25	08/01/25	07/14/25	07/08/25	08/14/25
		Sample Type:		Duplicate							
Volatile Organic Compounds	**Units**	**Treated Groundwater Discharge Standards [(a)]**									
1,1,1-Trichloroethane	µg/L	200	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)
1,1-Dichloroethane (1,1-DCA)	µg/L	5	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)
1,1-Dichloroethene (1,1-DCE)	µg/L	7	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)
1,2-Dichloroethane (1,2-DCA)	µg/L	5	0.53	0.53	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)
1,2-Dichloropropane (1,2-DCP)	µg/L	5	1.10	1.10	2.10	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	350	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(100)	ND(10)
Acetone	µg/L	700	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(100)	ND(10)
Benzene	µg/L	5	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)
Carbon tetrachloride	µg/L	5	ND(0.50)	ND(0.50)	1.50	ND(0.50)	ND(0.50)	1.80	ND(0.50)	ND(5.0)	ND(0.50)
Chlorobenzene	µg/L	100	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)
Chloroform (TCM)	µg/L	100	4.30	4.50	7.50	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)
Chloromethane (Methyl chloride)	µg/L	2.7	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(10)	ND(1.0)
cis-1,2-Dichloroethene (cis-1,2-DCE)	µg/L	70	ND(0.50)	ND(0.50)	0.81	ND(0.50)	ND(0.50)	3.90	ND(0.50)	ND(5.0)	ND(0.50)
Dichlorodifluoromethane (CFC-12)	µg/L	1,400	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)
Ethylbenzene	µg/L	700	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)
Methylene chloride (DCM)	µg/L	5	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(10)	ND(1.0)
Tetrachloroethene (PCE)	µg/L	5	1.20	1.30	0.67	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)
Toluene	µg/L	1,000	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)
trans-1,2-Dichloroethene (trans-1,2-DCE)	µg/L	100	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)
Trichloroethene (TCE)	µg/L	5	**18**	**18**	**2300 J**	ND(0.50)	3.70	1.90	ND(0.50)	ND(5.0)	ND(0.50)
Trichlorofluoromethane (CFC-11)	µg/L	2,100	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)
Trifluorotrichloroethane (Freon 113)	µg/L	210,000	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(50)	ND(5.0)
Trihalomethanes*	µg/L	100	4.30	4.50	7.50	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(20)	ND(2.0)
Total Xylenes**	µg/L	10,000	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(10.0)	ND(1.0)
Vinyl chloride (chloroethene)	µg/L	2	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)

Notes:

All Units are in micrograms per liter (µg/L)

ND( ) = The result was less than the listed laboratory reporting limit.

J - Estimated concentration.

J- - Estimated concentration;results may be biased low

J+ - Estimated concentration;results may be biased high

ND( )J - Not detected; associated reporting limit is estimated

(a) From Table 2.3 of the TAA Soils Consent Decree SOW

Bold Values highlight Performance Standard Exceedances

* The performance standard for Trihalomethanes is for the sum of all four analytes; therefore ND is reported as the lowest reporting detection limit of these parameters

** The performance standard for Xylenes is the sum of M, P, and O-Xylene

Table 3.4

August 2025 Groundwater Analytical Results

TIAA Superfund Site - Airport Property

Tucson, Arizona

		Hydrostratigraphic	GSU	GSU	GSU	GSU	GSU	GSU	GSU	GSU	GSU
		Sample Location:	CRA-39D	CRA-42	CRA-52D	CRA-52D	CRA-57D	CRA-61D	CRA-62D	CRA-67D	DP-1
		Sample Identification:	GW-081825-EH-113	GW-072125-KB-48	GW-070125-WT-02	GW-070125-WT-03	GW-072225-KB-52	GW-081525-EH-106	GW-081525-EH-109	GW-071125-KB-27	GW-080725-TF-11
		Sample Date:	08/18/25	07/21/25	07/01/25	07/01/25	07/22/25	08/15/25	08/15/25	07/11/25	8/7/2025
		Sample Type:				Duplicate					
Volatile Organic Compounds	**Units**	**Treated Groundwater Discharge Standards [(a)]**									
1,1,1-Trichloroethane	µg/L	200	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)
1,1-Dichloroethane (1,1-DCA)	µg/L	5	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	2.00	ND(2.5)
1,1-Dichloroethene (1,1-DCE)	µg/L	7	ND(0.50)	0.75	ND(2.5)	ND(2.5)	ND(2.5)	1.00	1.20	5.40	ND(2.5)
1,2-Dichloroethane (1,2-DCA)	µg/L	5	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)
1,2-Dichloropropane (1,2-DCP)	µg/L	5	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	4.1
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	350	ND(10)	ND(10)	ND(50)	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(50)
Acetone	µg/L	700	ND(10)	ND(10)	ND(50)	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(50)
Benzene	µg/L	5	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	2.80	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)
Carbon tetrachloride	µg/L	5	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	0.77	ND(2.5)
Chlorobenzene	µg/L	100	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)
Chloroform (TCM)	µg/L	100	ND(0.50)	1.80	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	1.00	9.0
Chloromethane (Methyl chloride)	µg/L	2.7	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)
cis-1,2-Dichloroethene (cis-1,2-DCE)	µg/L	70	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	0.64	1.30	ND(2.5)
Dichlorodifluoromethane (CFC-12)	µg/L	1,400	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)
Ethylbenzene	µg/L	700	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)
Methylene chloride (DCM)	µg/L	5	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)
Tetrachloroethene (PCE)	µg/L	5	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)
Toluene	µg/L	1,000	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)
trans-1,2-Dichloroethene (trans-1,2-DCE)	µg/L	100	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)
Trichloroethene (TCE)	µg/L	5	ND(0.50)	**13**	**460**	**430**	**120**	**6.8**	**11**	**33**	**410**
Trichlorofluoromethane (CFC-11)	µg/L	2,100	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)
Trifluorotrichloroethane (Freon 113)	µg/L	210,000	ND(5.0)	ND(5.0)	ND(25)	ND(25)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(25)
Trihalomethanes*	µg/L	100	ND(2.0)	1.80	ND(10)	ND(10)	ND(10)	ND(2.0)	ND(2.0)	1.00	9.0
Total Xylenes**	µg/L	10,000	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)
Vinyl chloride (chloroethene)	µg/L	2	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)

Notes:

All Units are in micrograms per liter (µg/L)

ND( ) = The result was less than the listed laboratory reporting limit.

J - Estimated concentration.

J- - Estimated concentration;results may be biased low

J+ - Estimated concentration;results may be biased high

ND( )J - Not detected; associated reporting limit is estimated

(a) From Table 2.3 of the TAA Soils Consent Decree SOW

Bold Values highlight Performance Standard Exceedances

* The performance standard for Trihalomethanes is for the sum of all four analytes; therefore ND is reported as the lowest reporting detection limit of these parameters

** The performance standard for Xylenes is the sum of M, P, and O-Xylene

Table 3.4

August 2025 Groundwater Analytical Results

TIAA Superfund Site - Airport Property

Tucson, Arizona

		Hydrostratigraphic	GSU	GSU	GSU	GSU	GSU	GSU	GSU	GSU	GSU
		Sample Location:	EW-1	EW-1	EW-2R	EW-3	EW-4	EW-5	MWR-1	S-2	S-16B
		Sample Identification:	GW-080725-TF-06	GW-080725-TF-07	GW-080725-TF-08	GW-081325-EH-99	GW-080725-TF-09	GW-073025-EH-71	GW-073125-EH-74	GW-072425-EH-65	GW-070225-WT-05
		Sample Date:	8/7/2025	8/7/2025	8/7/2025	08/13/25	8/7/2025	07/30/25	07/31/25	07/24/25	07/02/25
		Sample Type:		Duplicate							
Volatile Organic Compounds	**Units**	**Treated Groundwater Discharge Standards [(a)]**									
1,1,1-Trichloroethane	µg/L	200	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethane (1,1-DCA)	µg/L	5	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethene (1,1-DCE)	µg/L	7	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	0.88
1,2-Dichloroethane (1,2-DCA)	µg/L	5	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	1.10
1,2-Dichloropropane (1,2-DCP)	µg/L	5	ND(2.5)	ND(2.5)	3.4	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	**8.2**
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	350	ND(50)	ND(50)	ND(50)	ND(10)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)
Acetone	µg/L	700	ND(50)	ND(50)	ND(50)	ND(10)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)
Benzene	µg/L	5	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Carbon tetrachloride	µg/L	5	ND(2.5)	ND(2.5)	ND(2.5)	**6.3**	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Chlorobenzene	µg/L	100	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Chloroform (TCM)	µg/L	100	3.1	3.4	23	1.10	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	24.00
Chloromethane (Methyl chloride)	µg/L	2.7	ND(5.0)	ND(5.0)	ND(5.0)	ND(1.0)	ND(5.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene (cis-1,2-DCE)	µg/L	70	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(2.5)	ND(0.50)	2.60	ND(0.50)	0.55
Dichlorodifluoromethane (CFC-12)	µg/L	1,400	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Ethylbenzene	µg/L	700	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Methylene chloride (DCM)	µg/L	5	ND(5.0)	ND(5.0)	ND(5.0)	ND(1.0)	ND(5.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Tetrachloroethene (PCE)	µg/L	5	ND(2.5)	ND(2.5)	ND(2.5)	0.66	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	0.86
Toluene	µg/L	1,000	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
trans-1,2-Dichloroethene (trans-1,2-DCE)	µg/L	100	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trichloroethene (TCE)	µg/L	5	**63**	**67**	**43**	0.99	**5.7**	**5.7**	1.40	0.87	**260**
Trichlorofluoromethane (CFC-11)	µg/L	2,100	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trifluorotrichloroethane (Freon 113)	µg/L	210,000	ND(25)	ND(25)	ND(25)	ND(5.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Trihalomethanes*	µg/L	100	3.1	3.4	23	1.10	ND(10)	ND(2.0)	ND(2.0)	ND(2.0)	24.00
Total Xylenes**	µg/L	10,000	ND(5.0)	ND(5.0)	ND(5.0)	ND(1.0)	ND(5.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Vinyl chloride (chloroethene)	µg/L	2	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

Notes:

All Units are in micrograms per liter (µg/L)

ND( ) = The result was less than the listed laboratory reporting limit.

J - Estimated concentration.

J- - Estimated concentration;results may be biased low

J+ - Estimated concentration;results may be biased high

ND( )J - Not detected; associated reporting limit is estimated

(a) From Table 2.3 of the TAA Soils Consent Decree SOW

Bold Values highlight Performance Standard Exceedances

* The performance standard for Trihalomethanes is for the sum of all four analytes; therefore ND is reported as the lowest reporting detection limit of these parameters

** The performance standard for Xylenes is the sum of M, P, and O-Xylene

Table 3.4

August 2025 Groundwater Analytical Results

TIAA Superfund Site - Airport Property

Tucson, Arizona

		Hydrostratigraphic	GSU	GSU	GSU	GSU	GSU	GSU	GSU	GSU	GSU
		Sample Location:	S-21B	S-21B	S-29	S-37	S-38	S-39	SVE-1D	SVE-2D	SVE-3D
		Sample Identification:	GW-071725-KB-41	GW-071725-KB-42	GW-070725-WT-12	GW-071725-KB-40	GW-080725-TF-10	GW-072125-KB-50	GW-081125-EH-92	GW-080825-EH-91	GW-081225-EH-98
		Sample Date:	07/17/25	07/17/25	07/07/25	07/17/25	8/7/2025	07/21/25	08/11/25	08/08/25	08/12/25
		Sample Type:		Duplicate							
Volatile Organic Compounds	**Units**	**Treated Groundwater Discharge Standards [(a)]**									
1,1,1-Trichloroethane	µg/L	200	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethane (1,1-DCA)	µg/L	5	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethene (1,1-DCE)	µg/L	7	ND(0.50)	ND(0.50)	ND(0.50)	0.79	ND(2.5)	1.00	0.64	ND(0.50)	ND(0.50)
1,2-Dichloroethane (1,2-DCA)	µg/L	5	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,2-Dichloropropane (1,2-DCP)	µg/L	5	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)	ND(0.50)	2.10	ND(0.50)	ND(0.50)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	350	ND(10)	ND(10)	ND(10)	ND(10)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)
Acetone	µg/L	700	ND(10)	ND(10)	ND(10)	ND(10)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)
Benzene	µg/L	5	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Carbon tetrachloride	µg/L	5	ND(0.50)	ND(0.50)	2.50	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Chlorobenzene	µg/L	100	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Chloroform (TCM)	µg/L	100	1.10	1.10	2.30	ND(0.50)	16	1.80	9.50	ND(0.50)	ND(0.50)
Chloromethane (Methyl chloride)	µg/L	2.7	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene (cis-1,2-DCE)	µg/L	70	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Dichlorodifluoromethane (CFC-12)	µg/L	1,400	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Ethylbenzene	µg/L	700	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Methylene chloride (DCM)	µg/L	5	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Tetrachloroethene (PCE)	µg/L	5	ND(0.50)	ND(0.50)	1.10	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Toluene	µg/L	1,000	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
trans-1,2-Dichloroethene (trans-1,2-DCE)	µg/L	100	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trichloroethene (TCE)	µg/L	5	**10**	**10**	**7.0**	**9.2**	**27**	**13**	**110**	**8.6**	4.60
Trichlorofluoromethane (CFC-11)	µg/L	2,100	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trifluorotrichloroethane (Freon 113)	µg/L	210,000	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Trihalomethanes*	µg/L	100	1.10	1.10	2.30	ND(2.0)	16	1.80	9.50	ND(2.0)	ND(2.0)
Total Xylenes**	µg/L	10,000	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Vinyl chloride (chloroethene)	µg/L	2	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

Notes:

All Units are in micrograms per liter (µg/L)

ND( ) = The result was less than the listed laboratory reporting limit.

J - Estimated concentration.

J- - Estimated concentration;results may be biased low

J+ - Estimated concentration;results may be biased high

ND( )J - Not detected; associated reporting limit is estimated

(a) From Table 2.3 of the TAA Soils Consent Decree SOW

Bold Values highlight Performance Standard Exceedances

* The performance standard for Trihalomethanes is for the sum of all four analytes; therefore ND is reported as the lowest reporting detection limit of these parameters

** The performance standard for Xylenes is the sum of M, P, and O-Xylene

Table 3.4

August 2025 Groundwater Analytical Results

TIAA Superfund Site - Airport Property

Tucson, Arizona

		Hydrostratigraphic	GSU	GSU	GSU	Regional	Regional	Regional	Regional	Regional	Regional
		Sample Location:	SVE-5D	SVE-6D	SVE-7D	D-1	D-2	D-2	D-3	D-4	D-5
		Sample Identification:	GW-081125-EH-94	GW-081225-EH-96	GW-081125-EH-93	GW-072425-EH-63	GW-072225-KB-56	GW-072225-KB-57	GW-072525-EH-67	GW-070925-WT-23	GW-071425-KB-31
		Sample Date:	08/11/25	08/12/25	08/11/25	07/24/25	07/22/25	07/22/25	07/25/25	07/09/25	07/14/25
		Sample Type:						Duplicate			
Volatile Organic Compounds	**Units**	**Treated Groundwater Discharge Standards [(a)]**									
1,1,1-Trichloroethane	µg/L	200	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethane (1,1-DCA)	µg/L	5	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethene (1,1-DCE)	µg/L	7	ND(0.50)	2.90	ND(0.50)	**7.7**	**7.3**	**7.6**	ND(0.50)	ND(0.50)	2.50
1,2-Dichloroethane (1,2-DCA)	µg/L	5	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)
1,2-Dichloropropane (1,2-DCP)	µg/L	5	0.89	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	350	ND(10)	ND(10)	ND(10)	ND(50)J	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)
Acetone	µg/L	700	ND(10)	ND(10)	ND(10)	ND(50)J	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)
Benzene	µg/L	5	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)
Carbon tetrachloride	µg/L	5	ND(0.50)	1.20	ND(0.50)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)
Chlorobenzene	µg/L	100	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)
Chloroform (TCM)	µg/L	100	3.30	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)
Chloromethane (Methyl chloride)	µg/L	2.7	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene (cis-1,2-DCE)	µg/L	70	ND(0.50)	ND(0.50)	ND(0.50)	2.80	2.90	2.80	ND(0.50)	ND(0.50)	ND(0.50)
Dichlorodifluoromethane (CFC-12)	µg/L	1,400	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)
Ethylbenzene	µg/L	700	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)
Methylene chloride (DCM)	µg/L	5	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(1.0)	ND(1.0)	ND(1.0)
Tetrachloroethene (PCE)	µg/L	5	0.94	ND(0.50)	ND(0.50)	ND(2.5)J	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)
Toluene	µg/L	1,000	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)
trans-1,2-Dichloroethene (trans-1,2-DCE)	µg/L	100	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)
Trichloroethene (TCE)	µg/L	5	**13**	**7.3**	1.30	**54**	**55**	**54**	3.90	3.50	**24**
Trichlorofluoromethane (CFC-11)	µg/L	2,100	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)
Trifluorotrichloroethane (Freon 113)	µg/L	210,000	ND(5.0)	ND(5.0)	ND(5.0)	ND(25)	ND(25)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)
Trihalomethanes*	µg/L	100	3.30	ND(2.0)	ND(2.0)	ND(10)	ND(10)	ND(10)	ND(2.0)	ND(2.0)	ND(2.0)
Total Xylenes**	µg/L	10,000	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(1.0)	ND(1.0)	ND(1.0)
Vinyl chloride (chloroethene)	µg/L	2	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)

Notes:

All Units are in micrograms per liter (µg/L)

ND( ) = The result was less than the listed laboratory reporting limit.

J - Estimated concentration.

J- - Estimated concentration;results may be biased low

J+ - Estimated concentration;results may be biased high

ND( )J - Not detected; associated reporting limit is estimated

(a) From Table 2.3 of the TAA Soils Consent Decree SOW

Bold Values highlight Performance Standard Exceedances

* The performance standard for Trihalomethanes is for the sum of all four analytes; therefore ND is reported as the lowest reporting detection limit of these parameters

** The performance standard for Xylenes is the sum of M, P, and O-Xylene

Table 3.4

August 2025 Groundwater Analytical Results

TIAA Superfund Site - Airport Property

Tucson, Arizona

		Hydrostratigraphic	Regional	Regional	Regional	Regional	Regional	Regional	Regional	Regional	SGZ
		Sample Location:	D-6	D-7	D-8	D-9	LF-5	LF-6	LF-7	MWR-2	CRA-16
		Sample Identification:	GW-072325-KB-60	GW-071825-KB-47	GW-072125-KB-49	GW-070825-WT-16	GW-071525-KB-34	GW-071525-KB-33	GW-071525-KB-32	GW-080725-EH-86	GW-080125-EH-76
		Sample Date:	07/23/25	07/18/25	07/21/25	07/08/25	07/15/25	07/15/25	07/15/25	08/07/25	08/01/25
		Sample Type:									
Volatile Organic Compounds	**Units**	**Treated Groundwater Discharge Standards [(a)]**									
1,1,1-Trichloroethane	µg/L	200	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethane (1,1-DCA)	µg/L	5	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethene (1,1-DCE)	µg/L	7	0.95	0.89	1.30	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	0.59	ND(0.50)
1,2-Dichloroethane (1,2-DCA)	µg/L	5	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,2-Dichloropropane (1,2-DCP)	µg/L	5	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	350	ND(10)J	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
Acetone	µg/L	700	ND(10)J	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
Benzene	µg/L	5	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Carbon tetrachloride	µg/L	5	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	3.70
Chlorobenzene	µg/L	100	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Chloroform (TCM)	µg/L	100	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	1.20	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Chloromethane (Methyl chloride)	µg/L	2.7	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene (cis-1,2-DCE)	µg/L	70	0.64	ND(0.50)	0.52	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Dichlorodifluoromethane (CFC-12)	µg/L	1,400	ND(0.50)J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Ethylbenzene	µg/L	700	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Methylene chloride (DCM)	µg/L	5	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Tetrachloroethene (PCE)	µg/L	5	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Toluene	µg/L	1,000	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
trans-1,2-Dichloroethene (trans-1,2-DCE)	µg/L	100	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trichloroethene (TCE)	µg/L	5	**6.8**	**6.4**	**7.3**	0.95	**9.4**	3.80	1.40	**5.1**	ND(0.50)
Trichlorofluoromethane (CFC-11)	µg/L	2,100	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trifluorotrichloroethane (Freon 113)	µg/L	210,000	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Trihalomethanes*	µg/L	100	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	1.20	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
Total Xylenes**	µg/L	10,000	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Vinyl chloride (chloroethene)	µg/L	2	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

Notes:

All Units are in micrograms per liter (µg/L)

ND( ) = The result was less than the listed laboratory reporting limit.

J - Estimated concentration.

J- - Estimated concentration;results may be biased low

J+ - Estimated concentration;results may be biased high

ND( )J - Not detected; associated reporting limit is estimated

(a) From Table 2.3 of the TAA Soils Consent Decree SOW

Bold Values highlight Performance Standard Exceedances

* The performance standard for Trihalomethanes is for the sum of all four analytes; therefore ND is reported as the lowest reporting detection limit of these parameters

** The performance standard for Xylenes is the sum of M, P, and O-Xylene

Table 3.4

August 2025 Groundwater Analytical Results

TIAA Superfund Site - Airport Property

Tucson, Arizona

		Hydrostratigraphic	SGZ	SGZ	SGZ	SGZ	SGZ	SGZ	SGZ	SGZ	SGZ
		Sample Location:	CRA-18	CRA-21S	CRA-22S	CRA-31S	CRA-34S	CRA-38S	CRA-38S	CRA-39S	CRA-52S
		Sample Identification:	GW-080725-EH-85	GW-081825-EH-112	GW-080725-EH-88	GW-071425-KB-29	GW-070825-WT-19	GW-081425-EH-104	GW-081425-EH-105	GW-081825-EH-114	GW-070125-WT-04
		Sample Date:	08/07/25	08/18/25	08/07/25	07/14/25	07/08/25	08/14/25	08/14/25	08/18/25	07/01/25
		Sample Type:							Duplicate		
Volatile Organic Compounds	**Units**	**Treated Groundwater Discharge Standards [(a)]**									
1,1,1-Trichloroethane	µg/L	200	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)
1,1-Dichloroethane (1,1-DCA)	µg/L	5	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)
1,1-Dichloroethene (1,1-DCE)	µg/L	7	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)
1,2-Dichloroethane (1,2-DCA)	µg/L	5	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)
1,2-Dichloropropane (1,2-DCP)	µg/L	5	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	350	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(50)
Acetone	µg/L	700	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(50)
Benzene	µg/L	5	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)
Carbon tetrachloride	µg/L	5	**7.8**	1.80	**6.6**	ND(0.50)	ND(0.50)	1.80	1.80	ND(0.50)	ND(2.5)
Chlorobenzene	µg/L	100	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)
Chloroform (TCM)	µg/L	100	ND(0.50)	0.72	0.57	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	3.10
Chloromethane (Methyl chloride)	µg/L	2.7	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)
cis-1,2-Dichloroethene (cis-1,2-DCE)	µg/L	70	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)
Dichlorodifluoromethane (CFC-12)	µg/L	1,400	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)
Ethylbenzene	µg/L	700	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)
Methylene chloride (DCM)	µg/L	5	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)
Tetrachloroethene (PCE)	µg/L	5	ND(0.50)	ND(0.50)	3.30	ND(0.50)	ND(0.50)	**27**	**28**	**8.3**	ND(2.5)
Toluene	µg/L	1,000	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)
trans-1,2-Dichloroethene (trans-1,2-DCE)	µg/L	100	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)
Trichloroethene (TCE)	µg/L	5	ND(0.50)	ND(0.50)	0.92	ND(0.50)	ND(0.50)	**16**	**16**	**6.6**	**770**
Trichlorofluoromethane (CFC-11)	µg/L	2,100	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)
Trifluorotrichloroethane (Freon 113)	µg/L	210,000	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(25)
Trihalomethanes*	µg/L	100	ND(2.0)	0.72	0.57	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	3.10
Total Xylenes**	µg/L	10,000	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)
Vinyl chloride (chloroethene)	µg/L	2	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)

Notes:

All Units are in micrograms per liter (µg/L)

ND( ) = The result was less than the listed laboratory reporting limit.

J - Estimated concentration.

J- - Estimated concentration;results may be biased low

J+ - Estimated concentration;results may be biased high

ND( )J - Not detected; associated reporting limit is estimated

(a) From Table 2.3 of the TAA Soils Consent Decree SOW

Bold Values highlight Performance Standard Exceedances

* The performance standard for Trihalomethanes is for the sum of all four analytes; therefore ND is reported as the lowest reporting detection limit of these parameters

** The performance standard for Xylenes is the sum of M, P, and O-Xylene

Table 3.4

August 2025 Groundwater Analytical Results

TIAA Superfund Site - Airport Property

Tucson, Arizona

		Hydrostratigraphic	SGZ	SGZ	SGZ	SGZ	SGZ	SGZ	SGZ	SGZ	SGZ
		Sample Location:	CRA-57S	CRA-61S	CRA-62S	CRA-67S	LF-3	LF-4	S-1	S-3	S-4
		Sample Identification:	GW-072225-KB-53	GW-081525-EH-108	GW-081525-EH-110	GW-071025-KB-26	GW-071625-KB-38	GW-071525-KB-35	GW-070225-WT-06	GW-072425-EH-64	GW-072425-EH-62
		Sample Date:	07/22/25	08/15/25	08/15/25	07/10/25	07/16/25	07/15/25	07/02/25	07/24/25	07/24/25
		Sample Type:									
Volatile Organic Compounds	**Units**	**Treated Groundwater Discharge Standards [(a)]**									
1,1,1-Trichloroethane	µg/L	200	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethane (1,1-DCA)	µg/L	5	0.60	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethene (1,1-DCE)	µg/L	7	5.30	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,2-Dichloroethane (1,2-DCA)	µg/L	5	1.20	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,2-Dichloropropane (1,2-DCP)	µg/L	5	**12**	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	0.79	ND(0.50)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	350	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
Acetone	µg/L	700	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
Benzene	µg/L	5	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Carbon tetrachloride	µg/L	5	ND(0.50)	0.70	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Chlorobenzene	µg/L	100	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Chloroform (TCM)	µg/L	100	18.00	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	1.60	1.50	0.60
Chloromethane (Methyl chloride)	µg/L	2.7	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene (cis-1,2-DCE)	µg/L	70	0.66	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Dichlorodifluoromethane (CFC-12)	µg/L	1,400	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Ethylbenzene	µg/L	700	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Methylene chloride (DCM)	µg/L	5	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Tetrachloroethene (PCE)	µg/L	5	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	0.83	0.53	ND(0.50)
Toluene	µg/L	1,000	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
trans-1,2-Dichloroethene (trans-1,2-DCE)	µg/L	100	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trichloroethene (TCE)	µg/L	5	4.60	ND(0.50)	0.87	ND(0.50)	1.60	ND(0.50)	**5.6**	3.70	2.20
Trichlorofluoromethane (CFC-11)	µg/L	2,100	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trifluorotrichloroethane (Freon 113)	µg/L	210,000	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Trihalomethanes*	µg/L	100	18.00	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	1.60	1.50	0.60
Total Xylenes**	µg/L	10,000	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Vinyl chloride (chloroethene)	µg/L	2	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

Notes:

All Units are in micrograms per liter (µg/L)

ND( ) = The result was less than the listed laboratory reporting limit.

J - Estimated concentration.

J- - Estimated concentration;results may be biased low

J+ - Estimated concentration;results may be biased high

ND( )J - Not detected; associated reporting limit is estimated

(a) From Table 2.3 of the TAA Soils Consent Decree SOW

Bold Values highlight Performance Standard Exceedances

* The performance standard for Trihalomethanes is for the sum of all four analytes; therefore ND is reported as the lowest reporting detection limit of these parameters

** The performance standard for Xylenes is the sum of M, P, and O-Xylene

Table 3.4

August 2025 Groundwater Analytical Results

TIAA Superfund Site - Airport Property

Tucson, Arizona

		Hydrostratigraphic	SGZ	SGZ	SGZ	SGZ	SGZ	SGZ	SGZ	SGZ	SGZ
		Sample Location:	S-5	S-6	S-7	S-9	S-10	S-11	S-12	S-13	S-14
		Sample Identification:	GW-070325-WT-08	GW-072525-EH-66	GW-070925-WT-25	GW-072325-KB-58	GW-070325-WT-09	GW-070725-WT-13	GW-072325-KB-61	GW-073125-EH-72	GW-070725-WT-14
		Sample Date:	07/03/25	07/25/25	07/09/25	07/23/25	07/03/25	07/07/25	07/23/25	07/31/25	07/07/25
		Sample Type:									
Volatile Organic Compounds	**Units**	**Treated Groundwater Discharge Standards [(a)]**									
1,1,1-Trichloroethane	µg/L	200	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)
1,1-Dichloroethane (1,1-DCA)	µg/L	5	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)
1,1-Dichloroethene (1,1-DCE)	µg/L	7	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	0.74	ND(0.50)	**23**	ND(0.50)	ND(0.50)
1,2-Dichloroethane (1,2-DCA)	µg/L	5	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)
1,2-Dichloropropane (1,2-DCP)	µg/L	5	0.56	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	4.30	ND(0.50)	ND(0.50)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	350	ND(10)	ND(50)	ND(10)	ND(10)J	ND(10)	ND(10)	ND(50)J	ND(10)	ND(10)
Acetone	µg/L	700	ND(10)	ND(50)	ND(10)	ND(10)J	ND(10)	ND(10)	ND(50)J	ND(10)	ND(10)
Benzene	µg/L	5	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	**26**	ND(0.50)	ND(0.50)
Carbon tetrachloride	µg/L	5	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	0.96	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)
Chlorobenzene	µg/L	100	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	23	ND(0.50)	ND(0.50)
Chloroform (TCM)	µg/L	100	0.79	ND(2.5)	ND(0.50)	30.00	1.20	ND(0.50)	**130**	ND(0.50)	ND(0.50)
Chloromethane (Methyl chloride)	µg/L	2.7	ND(1.0)	ND(5.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene (cis-1,2-DCE)	µg/L	70	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)
Dichlorodifluoromethane (CFC-12)	µg/L	1,400	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)J	ND(0.50)	ND(0.50)	ND(2.5)J	ND(0.50)	ND(0.50)
Ethylbenzene	µg/L	700	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)
Methylene chloride (DCM)	µg/L	5	ND(1.0)	ND(5.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(1.0)	ND(1.0)
Tetrachloroethene (PCE)	µg/L	5	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)
Toluene	µg/L	1,000	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	23.00	ND(0.50)	ND(0.50)
trans-1,2-Dichloroethene (trans-1,2-DCE)	µg/L	100	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)
Trichloroethene (TCE)	µg/L	5	1.30	ND(2.5)	ND(0.50)	4.30	**52**	ND(0.50)	**57**	ND(0.50)	ND(0.50)
Trichlorofluoromethane (CFC-11)	µg/L	2,100	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)
Trifluorotrichloroethane (Freon 113)	µg/L	210,000	ND(5.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(25)	ND(5.0)	ND(5.0)
Trihalomethanes*	µg/L	100	0.79	ND(10)	ND(2.0)	30.00	1.20	ND(2.0)	**130**	ND(2.0)	ND(2.0)
Total Xylenes**	µg/L	10,000	ND(1.0)	ND(5.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)	ND(1.0)	ND(1.0)
Vinyl chloride (chloroethene)	µg/L	2	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)

Notes:

All Units are in micrograms per liter (µg/L)

ND( ) = The result was less than the listed laboratory reporting limit.

J - Estimated concentration.

J- - Estimated concentration;results may be biased low

J+ - Estimated concentration;results may be biased high

ND( )J - Not detected; associated reporting limit is estimated

(a) From Table 2.3 of the TAA Soils Consent Decree SOW

Bold Values highlight Performance Standard Exceedances

* The performance standard for Trihalomethanes is for the sum of all four analytes; therefore ND is reported as the lowest reporting detection limit of these parameters

** The performance standard for Xylenes is the sum of M, P, and O-Xylene

Table 3.4

August 2025 Groundwater Analytical Results

TIAA Superfund Site - Airport Property

Tucson, Arizona

		Hydrostratigraphic	SGZ	SGZ	SGZ	SGZ	SGZ	SGZ	SGZ	SGZ	SGZ
		Sample Location:	S-16	S-17	S-18	S-18	S-19	S-20	S-21	S-21	S-23
		Sample Identification:	GW-070725-WT-11	GW-080725-EH-89	GW-072225-KB-54	GW-072225-KB-55	GW-070725-WT-15	GW-070925-WT-22	GW-071725-KB-43	GW-071725-KB-44	GW-071725-KB-39
		Sample Date:	07/07/25	08/07/25	07/22/25	07/22/25	07/07/25	07/09/25	07/17/25	07/17/25	07/17/25
		Sample Type:				Duplicate				Duplicate	
Volatile Organic Compounds	**Units**	**Treated Groundwater Discharge Standards [(a)]**									
1,1,1-Trichloroethane	µg/L	200	ND(5.0)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethane (1,1-DCA)	µg/L	5	ND(5.0)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethene (1,1-DCE)	µg/L	7	ND(5.0)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,2-Dichloroethane (1,2-DCA)	µg/L	5	ND(5.0)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,2-Dichloropropane (1,2-DCP)	µg/L	5	**8.5**	ND(2.5)	2.90	2.90	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	350	ND(100)	ND(50)	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
Acetone	µg/L	700	ND(100)	ND(50)	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
Benzene	µg/L	5	ND(5.0)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Carbon tetrachloride	µg/L	5	ND(5.0)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Chlorobenzene	µg/L	100	ND(5.0)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Chloroform (TCM)	µg/L	100	32.00	ND(2.5)	**220**	**220**	0.64	ND(0.50)	42.00	44.00	6.90
Chloromethane (Methyl chloride)	µg/L	2.7	ND(10)	ND(5.0)	ND(5.0)	ND(5.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene (cis-1,2-DCE)	µg/L	70	ND(5.0)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Dichlorodifluoromethane (CFC-12)	µg/L	1,400	ND(5.0)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Ethylbenzene	µg/L	700	ND(5.0)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Methylene chloride (DCM)	µg/L	5	ND(10)	ND(5.0)	ND(5.0)	ND(5.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Tetrachloroethene (PCE)	µg/L	5	ND(5.0)	**140**	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Toluene	µg/L	1,000	ND(5.0)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
trans-1,2-Dichloroethene (trans-1,2-DCE)	µg/L	100	ND(5.0)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trichloroethene (TCE)	µg/L	5	**41**	**110 J-**	**19**	**18**	ND(0.50)	ND(0.50)	0.52	0.52	2.10
Trichlorofluoromethane (CFC-11)	µg/L	2,100	ND(5.0)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trifluorotrichloroethane (Freon 113)	µg/L	210,000	ND(50)	ND(25)	ND(25)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Trihalomethanes*	µg/L	100	32.00	ND(10)	**220**	**220**	0.64	ND(2.0)	42.00	44.00	6.90
Total Xylenes**	µg/L	10,000	ND(10.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Vinyl chloride (chloroethene)	µg/L	2	ND(5.0)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

Notes:

All Units are in micrograms per liter (µg/L)

ND( ) = The result was less than the listed laboratory reporting limit.

J - Estimated concentration.

J- - Estimated concentration;results may be biased low

J+ - Estimated concentration;results may be biased high

ND( )J - Not detected; associated reporting limit is estimated

(a) From Table 2.3 of the TAA Soils Consent Decree SOW

Bold Values highlight Performance Standard Exceedances

* The performance standard for Trihalomethanes is for the sum of all four analytes; therefore ND is reported as the lowest reporting detection limit of these parameters

** The performance standard for Xylenes is the sum of M, P, and O-Xylene

Table 3.4

August 2025 Groundwater Analytical Results

TIAA Superfund Site - Airport Property

Tucson, Arizona

		Hydrostratigraphic	SGZ	SGZ	SGZ	SGZ	SGZ	SGZ	SGZ	SGZ	SGZ
		Sample Location:	S-25	S-26	S-27	S-28	S-30	S-35	S-35	S-40	S-40
		Sample Identification:	GW-081425-EH-100	GW-071825-KB-46	GW-070125-WT-01	GW-072525-EH-68	GW-080625-EH-84	GW-081425-EH-101	GW-081425-EH-102	GW-071625-KB-36	GW-071625-KB-37
		Sample Date:	08/14/25	07/18/25	07/01/25	07/25/25	08/06/25	08/14/25	08/14/25	07/16/25	07/16/25
		Sample Type:							Duplicate		Duplicate
Volatile Organic Compounds	**Units**	**Treated Groundwater Discharge Standards [(a)]**									
1,1,1-Trichloroethane	µg/L	200	ND(0.50)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethane (1,1-DCA)	µg/L	5	ND(0.50)	0.98	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethene (1,1-DCE)	µg/L	7	ND(0.50)	ND(0.50)	6.90	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,2-Dichloroethane (1,2-DCA)	µg/L	5	ND(0.50)	3.30	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,2-Dichloropropane (1,2-DCP)	µg/L	5	ND(0.50)	**7.2**	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	350	ND(10)	ND(10)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
Acetone	µg/L	700	ND(10)	ND(10)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
Benzene	µg/L	5	ND(0.50)	0.54	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Carbon tetrachloride	µg/L	5	1.50	ND(0.50)	ND(2.5)	ND(0.50)	2.00	**24**	**23**	ND(0.50)	ND(0.50)
Chlorobenzene	µg/L	100	ND(0.50)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Chloroform (TCM)	µg/L	100	ND(0.50)	**470**	2.60	ND(0.50)	0.56	3.50	3.40	1.10	1.10
Chloromethane (Methyl chloride)	µg/L	2.7	ND(1.0)	ND(1.0)	ND(5.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene (cis-1,2-DCE)	µg/L	70	ND(0.50)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	5.10	7.00
Dichlorodifluoromethane (CFC-12)	µg/L	1,400	ND(0.50)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Ethylbenzene	µg/L	700	ND(0.50)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Methylene chloride (DCM)	µg/L	5	ND(1.0)	1.10	ND(5.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Tetrachloroethene (PCE)	µg/L	5	3.80	0.96	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Toluene	µg/L	1,000	ND(0.50)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
trans-1,2-Dichloroethene (trans-1,2-DCE)	µg/L	100	ND(0.50)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trichloroethene (TCE)	µg/L	5	3.90	**42**	**42**	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	**5.7**	**5.8**
Trichlorofluoromethane (CFC-11)	µg/L	2,100	ND(0.50)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trifluorotrichloroethane (Freon 113)	µg/L	210,000	ND(5.0)	ND(5.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Trihalomethanes*	µg/L	100	ND(2.0)	**470**	2.60	ND(2.0)	0.56	3.50	3.40	1.61	1.61
Total Xylenes**	µg/L	10,000	ND(1.0)	ND(1.0)	ND(5.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Vinyl chloride (chloroethene)	µg/L	2	ND(0.50)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

Notes:

All Units are in micrograms per liter (µg/L)

ND( ) = The result was less than the listed laboratory reporting limit.

J - Estimated concentration.

J- - Estimated concentration;results may be biased low

J+ - Estimated concentration;results may be biased high

ND( )J - Not detected; associated reporting limit is estimated

(a) From Table 2.3 of the TAA Soils Consent Decree SOW

Bold Values highlight Performance Standard Exceedances

* The performance standard for Trihalomethanes is for the sum of all four analytes; therefore ND is reported as the lowest reporting detection limit of these parameters

** The performance standard for Xylenes is the sum of M, P, and O-Xylene

Table 3.4

August 2025 Groundwater Analytical Results

TIAA Superfund Site - Airport Property

Tucson, Arizona

		Hydrostratigraphic	SGZ
		Sample Location:	S-41
		Sample Identification:	GW-080625-EH-82
		Sample Date:	08/06/25
		Sample Type:	
Volatile Organic Compounds	Units	Treated Groundwater Discharge Standards [(a)]	
1,1,1-Trichloroethane	µg/L	200	ND(0.50)
1,1-Dichloroethane (1,1-DCA)	µg/L	5	ND(0.50)
1,1-Dichloroethene (1,1-DCE)	µg/L	7	ND(0.50)
1,2-Dichloroethane (1,2-DCA)	µg/L	5	ND(0.50)
1,2-Dichloropropane (1,2-DCP)	µg/L	5	ND(0.50)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	350	ND(10)
Acetone	µg/L	700	ND(10)
Benzene	µg/L	5	ND(0.50)
Carbon tetrachloride	µg/L	5	**18**
Chlorobenzene	µg/L	100	ND(0.50)
Chloroform (TCM)	µg/L	100	1.00
Chloromethane (Methyl chloride)	µg/L	2.7	ND(1.0)
cis-1,2-Dichloroethene (cis-1,2-DCE)	µg/L	70	ND(0.50)
Dichlorodifluoromethane (CFC-12)	µg/L	1,400	ND(0.50)
Ethylbenzene	µg/L	700	ND(0.50)
Methylene chloride (DCM)	µg/L	5	ND(1.0)
Tetrachloroethene (PCE)	µg/L	5	ND(0.50)
Toluene	µg/L	1,000	ND(0.50)
trans-1,2-Dichloroethene (trans-1,2-DCE)	µg/L	100	ND(0.50)
Trichloroethene (TCE)	µg/L	5	ND(0.50)
Trichlorofluoromethane (CFC-11)	µg/L	2,100	ND(0.50)
Trifluorotrichloroethane (Freon 113)	µg/L	210,000	ND(5.0)
Trihalomethanes*	µg/L	100	1.00
Total Xylenes**	µg/L	10,000	ND(1.0)
Vinyl chloride (chloroethene)	µg/L	2	ND(0.50)

Notes:

All Units are in micrograms per liter (µg/L)

ND( ) = The result was less than the listed laboratory reporting limit.

J - Estimated concentration.

J- - Estimated concentration;results may be biased low

J+ - Estimated concentration;results may be biased high

ND( )J - Not detected; associated reporting limit is estimated

(a) From Table 2.3 of the TAA Soils Consent Decree SOW

Bold Values highlight Performance Standard Exceedances

* The performance standard for Trihalomethanes is for the sum of all four analytes; therefore ND is reported as the lowest reporting detection limit of these parameters

** The performance standard for Xylenes is the sum of M, P, and O-Xylene

Table 3.5
TCE Concentration Summary - Groundwater Monitoring Wells
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well ID	Unit	Baseline	February 2013	August 2013	February 2014	August 2014	February 2015	August 2015	February 2016	August 2016	February 2017	August 2017	February 2018	August 2018	February 2019	August 2019	February 2020	August 2020	February 2021	August 2021	February 2022	August 2022	February 2023	August 2023	February 2024	August 2024	February 2025 [3]	August 2025 [4]	Change in Concentration Baseline to August 2025
TI Zone Wells																													
CRA-1	SGZ	51000/92000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA
CRA-3	SGZ	53000	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA
S-5	SGZ	47000	NS	1.1	ND(0.50)	NS	ND(0.50)	1.9	17	5.3	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	7.5	NS	ND(0.50)	0.60	1.5	1.0	ND(5.0)/ND(5.0)	2.6	3.5	7.5	1.4	1.8	1.3	-46998.7
S-10	SGZ	26000	140	850	390	470	410	280	290	180	170	110	77	62	330	63	NS	61	NS	50	NS	49	NS	33/30	NS	37	NS	52	-25948
CRA-2	GSU	31000	NS	310	NS	410	NS	310	NS	210	NS	190	NS	150	NS	180	NS	81/79	NS	82	NS	76	NS	130	NS	74 J	NS	32 J+/32	-30968/-30968
CRA-5	GSU	23000	1,800	1,300/1,400	1,200	1,100/1,200	870/860	910	680	630	660/730	590	450	480/450	400	490	400	360/370	290	440/290 [1]	300	300	200	NS	NS	240	NS	46/43	-22954/-22957
CRA-15	GSU	5300	NS	87	NS	120	NS	67	NS	570	NS	620	NS	370	NS	540	NS	420	NS	510 J/500 J	NS	520	NS	770/780	NS	400 J	NS	2300 J	-3000
DP-1	GSU	2700	980	790	690/730	680	570	650	530	480	590	500	480	450	470	550	480	460	430/460	450	490/500	500 J/260 J	400	NS	NS	530	510/510	410	-2290
SVE-1D	GSU	15000	2.2	2.6	1.7	6.0	2.5/2.6	2.1	2.1	2.2	2.0	1.7	1.5	1.5/1.4	1.0	1.8	NS	1.1	NS	0.69	NS	0.63	NS	0.64	NS	2.2	NS	110	-14890
SVE-2D	GSU	610	NS	8.1	NS	26	NS	47/47	NS	58	NS	44	NS	39	NS	35	NS	24	NS	13	NS	10	NS	ND(0.50)	NS	16	NS	8.6	-601.4
SVE-3D	GSU	540	NS	23 J	NS	19	NS	14	NS	9.0	NS	6.9/6.6	NS	5.2	NS	4.4	NS	3.1	NS	2.4/2.4	NS	2.4	NS	2.0	NS	1.9	NS	4.6	-535.4
On-Airport Property Wells																													
CRA-31S	SGZ	NA	ND(0.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)/ND(0.50)	ND(0.50)	NS	ND(0.50)	NS	ND(0.50)	NS	ND(0.50)	ND(0.50)/ND(0.50)	ND(0.50) [2]	NS	ND(0.50)	NS	ND(0.50)	NA
CRA-34S	SGZ	NA	ND(0.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)/ND(0.50)	ND(0.50)	ND(0.50)	NS	ND(0.50)	NS	ND(0.50)	NS	ND(5.0)	NS	ND(0.50) [2]	NS	ND(0.50)	NS	ND(0.50)	NA
CRA-52S	SGZ	NA	2,100	1,400/1,500	2,000	1,700/1,700	890	1,000	670 J	990 J	1,100	1,000	800	1,500	1,300 J/1,400 J	1,000	1,500	1,400	1,900	1,600	1,700	2,000/1,900	1,600	1,100	670/650	610/600	580/580	770	NA
CRA-57S	SGZ	NA	7.6	6.8	6.5	6.3	6.7	6.1	5.4	6.2	5.7/4.9	5.5	6.0	5.4	6.3	7.3	6.1	5.6	5.5/5.5	4.8	5.5/5.5	5.4	4.4	4.7	5.5	NS	3.6 J+	4.6	NA
CRA-67S	SGZ	NA	NS	NS	NS	NS	NS	NS	NS	1.2	1.1	0.92	0.91	0.88	0.63	0.87	0.68	0.55/0.55	0.51	ND(0.50)	0.61	ND(0.50)	ND(0.50)	ND(0.50) [2]	0.52	0.57	ND(0.50)	ND(0.50)	NA
GHD-1S	SGZ	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	4,500	5,900	4,500	5,800	5,700	5,700	6,600/6,700	5,700	5,900	6,100	5,000/4,800	4,700	5,100/5,100	NS	NS	NS	NA
S-1	SGZ	88	50	42	45	44	42	32	29	32	38	35	32	29	25	12	NS	10	NS	13	NS	8.5	NS	5.5	NS	3.8	NS	5.6	-82.4
S-3	SGZ	47	4.5	25	35	47	4.1	0.77	ND(0.50)	4.2	0.97	0.83	ND(0.50)	2.8	4.5	3.4	7.9/7.6	10	8.1	9.2	0.56	NS	8.6	4.7	4.2	2.7	2.4	3.7	-43.3
S-4	SGZ	140	NS	24	NS	47	NS	35	37	46/47	NS	39/38	NS	38	NS	32	NS	30	NS	28	NS	NS	12	13	NS	10/10	NS	2.2	-137.8
S-6	SGZ	ND(0.50)	ND(0.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)/ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)UJ	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)	2
S-7	SGZ	84	18	28	18	22	22	10	7.0	9.6/10	2.9	2.4	2.3	2.6	ND(1.3)U	1.5	NS	ND(0.50)	NS	ND(0.50)	NS	ND(0.50)	NS	ND(0.50) [2]	NS	ND(0.50)	NS	ND(0.50)	-83.5
S-11	SGZ	400	6/6.5	4.4	6.4	0.81	0.57	1.9	0.77	0.69	0.56	1.1	ND(0.50)	0.95	ND(0.50)	0.69	0.83	0.78	0.58	0.99	0.72/0.68	0.70	0.51 J-	0.53	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	-399.5
S-9	SGZ	9.6	8.3	22	12	28	14	13	18	25	9.0	3.3	5.1	4.9	4.5	5.0/5.0	4.4	3.0	3.4	2.5	2.0/1.8	ND(5.0)	1.0 J-	1.4	4.4	4.1	4.9	4.3	-5.3
S-12	SGZ	330	36	65	33	83	79	98	63	110/110	51	49	45	60	32	66	NS	48	NS	40	NS	43	NS	59 J+/58 J+	NS	49	NS	57	-273
S-13	SGZ	ND(0.50)	NS	ND(0.50)	NS	ND(0.50)	NS	ND(0.50)	NS	ND(0.50)	NS	ND(0.50)	NS	ND(0.50)	NS	ND(0.50)	NS	ND(0.50)	NS	ND(0.50)	NS	ND(0.50)	NS	ND(0.50)	NS	ND(0.50)	NS	ND(0.50)	0
S-14	SGZ	20	4.9	4	3.4	3.9	3.1	2.3	1.9	1.8	1.5	1.3	1.3	1.3	ND(0.69)U	1.3	1.1	0.98	0.85/0.86	0.72	ND(0.50)	0.63	ND(0.50)UJ	ND(0.50)	ND(0.50)	ND(0.50)	1.2	ND(0.50)	-19.5
S-16	SGZ	1900	100	180	360	310	290	160	280	350	380	390	380	280	250	220	NS	220	NS	93	NS	86	NS	ND(0.50)	NS	32	NS	41	-1859
S-18	SGZ	130	NS	43	NS	47/42	NS	33/33	NS	44	NS	41	NS	42	NS	33	NS	46	NS	42	NS	44	NS	13/13	NS	30	NS	19/18	-111/-112
S-19	SGZ	1.8	ND(0.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)/ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	NS	ND(0.50)	NS	ND(0.50)	NS	ND(0.50)	NS	ND(0.50) [2]	NS	ND(0.50)	NS	ND(0.50)	-1.3
S-20	SGZ	ND(0.50)	ND(0.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	NS	ND(0.50)/ND(0.50)	NS	ND(0.50)	NS	ND(5.0)	NS	ND(0.50)	NS	ND(0.50)	NS	ND(0.50)	0
S-27	SGZ	6400	NS	260	NS	320	NS	200	NS	240	NS	170/170	NS	130	NS	130	NS	73	NS	55	NS	46	NS	40	NS	47/47	NS	42	-6358
S-28	SGZ	ND(0.50)	ND(0.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	NS	ND(0.50)/ND(0.50)	NS	ND(0.50)	NS	ND(0.50)	NS	ND(0.50)	NS	ND(0.50)	NS	ND(0.50)	0
CRA-8	GSU	170	NS	53	NS	45	NS	45	NS	41	NS	40/38	NS	35	NS	81	NS	28/29	NS	22	NS	28	NS	18	NS	18	NS	16	-154
CRA-9	GSU	75/86	200	200	230	140/150	120	120	120	110	120/130	100	130	86	100	110	94	15	69	60	72	62/60	53 J-	ND(5.0)* [2]	10	66/66	43	49	-26 / -37
CRA-10	GSU	0.91	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)/ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)/ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)UJ	ND(5.0) [2]	ND(5.0)	ND(0.50)	ND(0.50)	ND(5.0)	4.09
CRA-11	GSU	140	NS	79	NS	22	NS	48	NS	52/53	NS	47	NS	43/45	NS	37	NS	34	NS	27	NS	31	NS	20/20	NS	22	NS	24	-116
CRA-12	GSU	180	NS	89/88	NS	72	NS	49	NS	68	NS	62	NS	48	NS	47	NS	38	NS	36/40	NS	30	NS	25	NS	18	NS	18/18	-162/-162
CRA-31D	GSU	NA	0.61	ND(0.50)	ND(0.50)	0.69	0.72	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	0.55	ND(0.50)	ND(0.50)/ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50) [2]	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	NA
CRA-34D	GSU	NA	ND(2.5)	ND(5.0)UJ	ND(2.5)	ND(5.0)	0.67	ND(5.0)	0.53	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	0.75	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)UJ	ND(5.0) [2]	12	1.5	ND(0.50)	ND(5.0)	NA
CRA-52D	GSU	NA	590	570	620	690	600	990	750 J	820	710/770	750	430	780	670 J	110	470	530	420	340	410/380	340	230	85/86	210	440	300	460/430	NA
CRA-57D	GSU	NA	27	21	40	24	17	14	22	29	32	120	19	37	22	19/19	16	14	13	12	16	10	10	27	29	NS	110	120	NA
CRA-67D	GSU	NA	NS	NS	NS	NS	NS	NS	NS	32	47	33	36	35	34	46	39	32/34	36	32	36	35	32	31 [2]	31	30	28	33	NA
EW-1	GSU	900	230/230	160	110	150	110	130/130	120	110/110	89	100	92	88	89	120	92	86	74	70	82	88	61	NS	NS	100/99	94	63/67	-837/-833
EW-2R	GSU	170	150	140	120	100	93	96	90	87	120	78	70/69	58	56	81	57	51	49	50	45	45	45/44	NS	NS	40	41	43	-127
GHD-1D	GSU	NA	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	130/120	140	160	150	100	180	120	96	120/110	110	82	54	210	NS	NS	NS	NA
S-2	GSU	5.7	2	2.2	1.1	2.3	2.5	2.2	0.64	0.99	0.61	1.3	1.3	1.7	0.60	ND(0.50)	0.56	1.0	ND(0.50)	ND(0.50)	3.1	2.2	0.96 J	0.64	1.5	3.1	2.0	0.87	-4.83
S-16B	GSU	660	410	280	270	300/300	270	310	240	250	240	180	170	150	140	120	99/99	83	84	74	71	72/72	47 J-	78	190/190	200	350 J	260	-400
S-29	GSU	140	15	15	15	12	12	8.1	9.2	7.3	7.0	6.8	12	6.8/7.4	7.4	8.2	9.0	5.4	5.4	4.9	8.2	12	8.2 J/9.0 J	6.2	8.9	9.7/9.8	8.3	7.0	-133
SVE-5D	GSU	210	NS	78	NS	44/45	NS	55/55	NS	57	NS	38	NS	41	NS	37	NS	20	NS	18	NS	20	NS	10	NS	12	NS	13	-197
SVE-6D	GSU	8,200/7,500	NS	260	NS	240/240	NS	200	NS	180	NS	150	NS	130	NS	140	NS	79	NS	79	NS	110	NS	100	NS	140 J	NS	7.3	-8192.7 / -7492.7
SVE-7D	GSU	29	NS	1	NS	1.6	NS	ND(0.50)	NS	ND(0.50)	NS	ND(0.50)	NS	ND(0.50)	NS	ND(0.50)	NS	ND(0.50)	NS	NS	NS	ND(0.50)	NS	ND(0.50)	NS	ND(0.50)	NS	1.3	-27.7
D-1	Regional	3.7/3.6	1.3/1.4	20	18	21	13	16	15	14	21	30	30	37	29	35	44	45	44	42	43/40	NS	43	37/35	51	48/50	48	54	50.3 / 50.4
D-2	Regional	6.6	19	32/31	29	40	23	24	23	21	30	31	37	35	39	38	37	43	47	37/35	33	34	29	29	41	58	58/62	55/54	48.4/47.4
D-3	Regional	1.1	2.9	2.9	3.1	3.8	3.8	4.0	3.7	4.3	4.1	4.1	5.0	5.1	ND(4.1)U/ND(4.1)U	4.7	4.9	4.0	4.4	4.0	4.7	6.0	5.8	5.6	5.1	5.1	4.8	3.9	2.8
D-4	Regional	3.8/3.9	2.6	2.6	2.5	2.8	2.8	3.0	3.1	3.5	3.6	2.8	3.4/3.2	3.7	ND(3.7)U	4.4	3.8	3.2	3.6	3.0	3.2	3.5	2.9	3.4	3.3	3.5	3	3.5	-0.3 / -0.4
D-5	Regional	4.0	3.1	7	10	15	11/11	9.7	9.3	9.2	14	24	21	33	24	23	38	42	36	36	44	49/46	46 J	46	50	40/39	31	24	20
D-9	Regional	1.6	ND(0.5)	0.98	0.71	0.86	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	0.89	0.78	0.78	1.0	ND(0.50)	1.1	0.99	0.90	0.57	0.81	1.6	1.0	1.9	11*	23	5.4	2.1	0.95	-0.65
Off-Airport Property Wells																													
S-21	SGZ	ND(0.50)/ND(0.50)	6.8	2.9	1.5	0.92	1.8	0.71 J	ND(0.50)	1.4	ND(0.50)/ND(0.50)	0.68	ND(0.50)/ND(0.50)	0.61/0.60	ND(0.50)	1.4	NS	ND(0.59)U	NS	ND(0.50)	NS	0.64	NS	0.57	NS	0.60	NS	0.52/0.52	0.02/0.02 / 0.02/0.02
S-23	SGZ	1.1	ND(0.5)	ND(0.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)/ND(0.50)	ND(0.50)	0.63	0.67	1.5	0.93	1.5	2.0	2.3	1.9	1.7	2.1	2.1	1.8/1.8	1.0	1.5	2.1 J+	1.6	1.9/2.0	2.2	2.1	1
S-24	SGZ	10	13	15/15	13	20/20	16	19	15/15	19	17	17	16	18	20	18	15	9.8	14	12	9.9	13/13	10	9.1	17	22	NS	NS	NA
S-26	SGZ	140	100	98	100	81	96	91	73	74/79	84	77	72/75	72	79	86	72	55	58	49	48	53/53	46	59 J+	47/49	49/48	47	42	-98
CRA-6 (Aba	GSU	12	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA
Off-Airport Property Wells (cont'd)																													
CRA-7	GSU	450	NS	33	28	1.8	20	10	13	6.4	15	5.8	15	6.4	7.0	15	15	6.8/6.2	11	4.2	9.5	7.1	7.7 J	7.4	30	69	70	7.0	-443
CRA-42	GSU	NA	47/50	32	35	35	33	27 J	23	21	20	15	19	17	17/17	20	NS	16	NS	12	NS	14	NS	14 J+	NS	13	NS	13	NA
EW-4	GSU	390	19	20	15	22	17	16	15/15	10	17	18	14	12	11/12	17	13	11	13	11	11	11	9.7	NS	NS	57	66	5.7	-384.3
EW-5	GSU	ND(0.50)	1.4	0.85	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	NS	ND(0.50)	NS	ND(0.50)	NS	ND(0.50)	NS	ND(0.50)	NS	ND(0.50)	NS	5.7	5.2
S-21B	GSU	370	13	13	17	24	43	30 J	14	13/14	14	56	11	49	20	19	NS	14	NS	9.6	NS	11	NS	21	NS	66	NS	10/10	-360/-360
S-37	GSU	480	8.6	8.5	6.3	7.7	9.9/9.9	8.9 J	8.9/8.3	8.9	8.2	6.7	8.0	9.9	10	8.8/8.6	NS	6.3	NS	4.9/4.9	NS	5.7	NS	5.5	NS	15	NS	9.2	-470.8
S-38	GSU	440	11	10	14/14	26	34	26	20	37	20	40/39	13	34	26	28/28	15	14	17	16	14	11	8.5	NS	NS	49	37	27	-413
S-39	GSU	140	29	28	21	18	17	20/19	20	16	15	11	12	12	14	15/15	13	11	11	9.5	8.1	11	9.7/9.7	8.9	9.5	11	12	13	-127
D-6	Regional	6.2	6	5.5	6.7	5.8	5.5	4.7 J	4.6	2.7	6.2	4.6	5.7	6.1	5.5	6.8	7.0	7.8	9.0	8.2/8.2	8.1	8.1	7.0	7.9	7.5	7.3	6.9	6.8	0.6
D-7	Regional	7.9	6	6.2	4.9	5.7	7.0	7.0	6.5	7.2	6.7	5.1	6.7	6.8	7.9	7.8	7.1	6.6	6.7	5.5	6.4	7.2	6.6	5.4	5.3	7.2	7.4	6.4	-1.5
D-8	Regional	10	5.7/6	5.3/5.6	6.5	6.3	5.5	5.7	5.4	6.5	10	5.9	12	6.7	6.9	8.7	9.5	9.2	10	8.1	9.8	11	9.8	8.0	5.9	5.5	6.4	7.3	-2.7

Table 3.5
TCE Concentration Summary - Groundwater Monitoring Wells
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well ID	Unit	Baseline	February 2013	August 2013	February 2014	August 2014	February 2015	August 2015	February 2016	August 2016	February 2017	August 2017	February 2018	August 2018	February 2019	August 2019	February 2020	August 2020	February 2021	August 2021	February 2022	August 2022	February 2023	August 2023	February 2024	August 2024	February 2025 [3]	August 2025 [4]	Change in Concentration Baseline to August 2025
Other Area Wells- Not Part of the Main SGZ Remedy Groundwater Monitoring Well Network																													
Samsonite Building Area																													
CRA-13	SGZ	ND(0.50)	ND(0.5)	ND(0.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)/ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	NS	NS	NS	NS	NS	NS	NS	ND(0.50)	NS	NS	NS	NS	NS	NS	NS	NA
CRA-14	SGZ	0.69	0.51	0.52	NS	0.50	NS	ND(0.50)	NS	ND(0.50)	ND(0.50)	NS	ND(0.50)	NS	NS	NS	NS	NS	NS	NS	ND(0.50)	NS	NS	NS	NS	NS	NS	NS	NA
S-31	SGZ	NS	NS	NS	ND(0.50)	NS	NS	ND(0.50)	ND(0.50)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA
S-42	SGZ	ND(0.50)	ND(0.5)	ND(0.5)	ND(0.50)/ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	NS	ND(0.50)	NS	NS	NS	NS	NS	NS	NS	ND(0.50)	NS	NS	NS	NS	NS	NS	NS	NA
MWS-1	GSU	ND(0.50)	ND(0.5)	ND(0.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)/ND(0.50)	NS	NS	NS	NS	NS	NS	NS	ND(0.50)	NS	NS	NS	NS	NS	NS	NS	NA
IW-03	Regional	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.68	NS	0.70	NS	NS	NS	NS	NS	NS	NS	0.56	NS	NS	NS	NS	NS	NS	NS	NA
IW-04	Regional	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	0.65	NS	NS	NS	NS	NS	NS	NS	NA
IW-07	Regional	NS	NS	0.66	0.66/0.71	3.1	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA
IW-10	Regional	NS	NS	NS	NS	1.5	NS	3.8	ND(0.50)	NS	ND(0.50)	NS	0.56	NS	NS	NS	NS	NS	NS	NS	ND(0.50)	NS	NS	NS	NS	NS	NS	NS	NA
IW-12	Regional	NS	NS	NS	NS	NS	NS	18	ND(0.50)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA
IW-13	Regional	NS	NS	NS	NS	NS	NS	5.8	ND(0.50)	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NA
IW-14	Regional	NS	NS	0.81	ND(0.50)	NS	ND(0.50)	NS	ND(0.50)	NS	ND(0.50)	NS	ND(0.50)	NS	NS	NS	NS	NS	NS	NS	ND(0.50)	NS	NS	NS	NS	NS	NS	NS	NA
West End of Runway 3																													
CRA-16	SGZ	1.2	ND(0.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	2.0	ND(0.50)	ND(0.50)/ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	-0.7
CRA-18	SGZ	2.9	ND(0.5)	ND(0.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)/ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	-2.4
CRA-21S	SGZ	ND(0.50)	ND(0.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)/ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)/ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)/ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	0
CRA-22S	SGZ	2.6	4	3.8	3.8	2.3	2.5	2.9/2.9	3.2	3.0 J	3.7	2.4	3.3	2.4	2.4	2.5	2.6/2.7	2.0	2.2	1.8	1.9	1.8	1.5	1.6	1.1	0.96	ND(0.50)	0.92	-1.68
CRA-61S	SGZ	NA	NS	21	6.2/5.9	4.2	2.3/2.2	1.4 J	1.5	1.6	2.5	1.1	2.3	0.93	1.6	1.8	2.1	1.1/1.1	1.4	1.0	1.2	0.76	0.61	ND(0.50) [2]	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	NA
CRA-62S	SGZ	NA	NS	4.8	4.8	4.6	5.1	4.9 J	4.5	4.4	5.4	4.5	5.7	3.9	5.3/5.3	4.3	4.6	2.9	3.6	2.4	2.8	1.9	1.7	0.96 [2]	1.4	1.2	1.1	0.87	NA
S-30	SGZ	ND(0.50)/ND(0.50)	ND(0.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)/ND(0.50)	0.61	0.56 J	0.84	0.75	0.72	0.50	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	0 / 0
S-35	SGZ	ND(0.50)	ND(0.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)/ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)/ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)/ND(0.50)	ND(0.50)	ND(0.50)/ND(0.50)	0/0
S-41	SGZ	ND(0.50)	ND(0.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)/ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)/ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	0
CRA-21D	GSU	ND(0.50)	ND(0.5)/ND(0.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)/ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)/ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)/ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	0
CRA-22D	GSU	1.2	4.3	4.4	4.2	4.3	5.0	4.7	5.2	5.6/5.4	6.6	3.7	6.0	4.4	5.8	4.3	4.7	4.6	4.3	3.1	4.0	4.0	4.2	4.0	4.5	3.8	3.0 J-	3.7	2.5
CRA-23	GSU	2.7	3.3	2.5	2.3	2.8	3.3	3.4	2.6	2.6	2.6	1.8	3.6	2.6	3.7	3.7/3.8	3.1	2.5	2.7	3.1	4.0	3.0	3.2	3.1	3.2	2.5	1.9	1.9	-0.8
CRA-61D	GSU	NA	NS	5.5	5.5	6.0	8.4	7.6 J	7.4	8.3	8.5	6.9	7.9	11	10	7.5/6.8	6.7	6.2	5.4	4.2	4.9	4.5	4.5	4.4 [2]	5.9	7.6	8.4 J+	6.8	NA
CRA-62D	GSU	NA	NS	9.6/9.3	11	10/10	12	13 J/12 J	11	14	12	12	13	16	15	11/11	11	9.1	9.7	2.5 J/7.8 J	8.4	8.1/8.2	6.9	6.7 [2]	12	12	14 J+	11	NA
MWR-1	GSU	1.4	10	12	7.6	12	14	15	15/14	12	13/14	6.6	5.6	3.1	2.9	5.5	5.7	3.2	3.2	2.0/2.1	0.67	0.69	1.2	0.70	1.2	0.67/0.61	ND(0.50)	1.4	0
MWR-2	Regional	2.8	5.2	4.6	4.7	4.5	4.4	4.6/4.1	5.4	5.5	6.8	4.8	6.6	5.8	5.3	6.7	5.4	4.5	4.0	3.1	3.8	4.1	3.6	4.7 J+	5.6/5.6	5.8	4.9	5.1	2.3
S-17 Area																													
CRA-38S	SGZ	NA	69	50	47	45	42/50	32	34	41/40	35	32	31	31	29	22	26/26	28	23	19	19	23/22	18	18/18	16 J	17	18 J+	16/16	NA
CRA-39S	SGZ	NA	17	20	19	30	36	35	33	41	33	37	41	30	27/27	18	21	18	16	13	14/14	13	10/10	11	10	8.3	1.5	6.6	NA
S-17	SGZ	110	180/190	170/170	170/160	180/180	210	240	190	200	200	190	160/150	160	140	130	190	170	190	190	180/180	200	160	170/180	130	82	120 J	110 J-	0
S-25	SGZ	3.6	4.3	4	3.8	4.0	3.7	3.7 J	3.3	3.5	3.8	3.7/3.5	3.5	4.2	4.1	3.1	3.9	4.1	4.2/4.1	3.4	3.8	3.9	3.7	3.2 [2]	4.0/4.1	4.1/4.0	3.8	3.9	0.3
EW-3	GSU	0.90	0.52	ND(0.50)	ND(0.50)	0.53	ND(0.50)/ND(0.50)	ND(0.50)	ND(0.50)	2.0	0.51	ND(0.50)/ND(0.50)	ND(0.50)	0.84	0.56	0.52	NS	ND(0.50)	NS	ND(0.50)	NS	ND(0.50)	NS	1.4	NS	ND(0.50)	NS	0.99	0.09
CRA-38D	GSU	NA	ND(0.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)/ND(0.50)	ND(0.50)/ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)/ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)/ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	NA
CRA-39D	GSU	NA	ND(0.5)/ND(0.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)/ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	NA
Plug-in Subsites																													
CU-1	SGZ	41	NS	NS	NS	NS	NS	NS	NS	NS	3.9	NS	NS	NS	NS	NS	NS	NS	NS	NS	3.2	NS	NS	NS	NS	8.1	NS	NS	NA
LF-3	SGZ	ND(0.50)	NS	NS	NS	NS	NS	NS	NS	NS	0.61	NS	NS	NS	1.2	1.3/1.4	1.5	NS	1.3	NS	1.2	NS	1.4	NS	1.4	1.6	NS	1.6	1.1
LF-4	SGZ	ND(0.50)	NS	NS	NS	NS	NS	NS	NS	NS	0.79	9.5	NS	NS	4.2	2.0	1.1	NS	0.64	NS	0.56	NS	0.53	NS	0.50	0.52	NS	ND(0.50)	0
LF-5	SGZ	ND(0.50)	NS	NS	NS	NS	NS	NS	NS	NS	1.0	0.68	NS	NS	0.54	ND(0.50)	1.8/1.7	NS	1.8	NS	1.9	NS	3.2	NS	4.5	5.7	NS	9.4	8.9
LF-6	SGZ	ND(0.50)	NS	NS	NS	NS	NS	NS	NS	NS	3.2	NS	NS	NS	1.6	3.2	4.5	NS	1.5/1.7	NS	3.9	NS	4.2	NS	3.0	4.9	NS	3.8	3.3
LF-7	SGZ	ND(0.50)	NS	NS	NS	NS	NS	NS	NS	NS	8.2/8.5	3.9	3.7	NS	3.0	5.8	9.2	NS	20	NS	4.8/4.8	NS	11/11	NS	12	3.0	NS	1.4	0.9
S-22	SGZ	6.3	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.50)/ND(0.50)	NS	NS	NS	NS	0.99	NS	NS	NS	NS	0.64	NS	NS	NS	NS	ND(0.50)	NS	NS	NA
S-32	SGZ	ND(0.50)	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.50)	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.50)	NS	NS	NS	NS	ND(0.50)	NS	NS	NA
S-33	SGZ	ND(0.50)	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.50)	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.50)	NS	NS	NS	NS	ND(0.50)	NS	NS	NA
S-34	SGZ	ND(0.50)	ND(0.5)	ND(0.50)	NS	ND(0.50)	NS	ND(0.50)	NS	ND(0.50)	ND(0.50)	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.50)	NS	NS	NS	NS	ND(0.50)	NS	NS	NA
S-36	SGZ	ND(0.50)	NS	NS	NS	NS	NS	NS	NS	NS	0.66	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND(0.50)	NS	NS	NS	NS	ND(0.50)	NS	NS	NA
S-40	SGZ	32	2.9	9.3	9.8/10	15	8.8	11	8.8	9.6	6.5	NS	6.1/6.2	NS	9.4	6.8	5.9	NS	5.8	NS	9.2	NS	NS	5.6/5.5	4.9 J	5.1	NS	5.7/5.8	-26.3/-26.2

Notes:

TCE - Trichloroethene
TIAA - Tucson International Airport Area
All units are in micrograms per liter
SGZ - Shallow Groundwater Zone
GSU - Gravel Subunit
NS - Not sampled
J - Estimated concentration
J+ - Estimated concentration, results may be biased high
J- - Estimated concentration, results may be biased low
[1] CRA-15 re-sampled due to possible data anomaly observed with initial sample collection on 07/29/21, shown in Table 3.4
[2] Results from re-sample required due to laboratory analysis quality issue
[3] All samples collected in January 2025
[4] All samples collected within July and August 2025
ND( ) = The result was less than the listed laboratory reporting limit.
NA - Not applicable
/ # - regular sample / duplicate sample

Table 4.1
Summary of Current SGZ Remedy Sampling and Analysis Schedule
Routine Operation - 1-Year Period from November 2024 to October 2025
TIAA Superfund Site - Airport Property
Tucson, Arizona

Sample Location	Frequency	Sample Port/Well ID	Field Parameters (Every Sampling Event)	Laboratory Parameters	Intended Data Usage	Monitoring Samples	QC Samples: Field Blank	QC Samples: Field Duplicate	QC Samples: MS/MSD	No. of Events	Total Per Year
Groundwater Sampling											
Groundwater Monitoring Wells	January 2025	Upper SGZ x 26	water level, pH, specific conductance, temperature	(1)	Assess remedy performance	26	6	3	1	1	36
		GSU x 21	water level, pH, specific conductance, temperature	(1)	Assess remedy performance	21	4	2	1	1	28
		Regional Aquifer x 4	water level, pH, specific conductance, temperature	(1)	Assess remedy performance	4	2	1	0	1	7
Groundwater Monitoring Wells	August 2025	Upper SGZ x 44	water level, pH, specific conductance, temperature	(1)	Assess remedy performance	44	4	4	1	1	53
		GSU x 43	water level, pH, specific conductance, temperature	(1)	Assess remedy performance	43	4	4	1	1	52
		Regional Aquifer x 13	water level, pH, specific conductance, temperature	(1)	Assess remedy performance	13	2	2	0	1	17
Treatment System Sampling											
Facility Discharge	Monthly	Sample Port After Discharge Flowmeter	pH, specific conductance, temperature	(1)	Assess treatment effectiveness	1	0	1	0	12	24
Combined Influent	Monthly	Sample Port Before Air Stripper	pH, specific conductance, temperature	(1)	Assess influent groundwater chemistry	1	1	0	0	12	24
Air Stripper Water Discharge	Quarterly	Air Stripper Discharge Sample Port	temperature	(1)	Assess treatment effectiveness	1	0	0	0	4	4
Air Stripper Off-Gas	Quarterly	Vapor Phase Carbon Influent Sample Port	temperature	(1)	Determine breakthrough for carbon	1	0	0	0	4	4
Vapor Phase Carbon Discharge	Quarterly	Vapor Phase Carbon Discharge Sample Port	temperature	(1)	Determine breakthrough for carbon	1	0	0	0	4	4

Notes:

SGZ - Shallow Groundwater Zone
TIAA - Tucson International Airport Authority
QC - Quality Control
MS/MSD - Method Spike/Method Spike Duplicate
GSU - Gravel Subunit
(1) Analysis only for volatile organic compounds listed in Table 2.6 of the Quality Assurance Project Plan (CRA, September 2007)

Table 4.2
Summary of Analytical Results
TI Zone Extraction Wells (CRA-5, DP-1)
TIAA Superfund Site - Airport Property
Tucson, Arizona

Volatile Organic Compounds (VOCs)	Sample Location: / Sample Date: / Sample ID: / Sample Type: / Performance Standard [1]	DP-1 / 08/07/2025 / GW-080725-TF-11	CRA-05 / 07/08/2025 / GW-070825-WT-20	CRA-05 [5] / 08/07/2025 / GW-080725-TF-13	CRA-05 [6] / 09/08/2025 / GW-090825-TF-01
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	210,000	ND(25)	ND(50)	ND(25)	ND(5.0)
1,1-Dichloroethane (1,1-DCA)	5	ND(2.5)	ND(5.0)	ND(2.5)	ND(0.50)
1,1-Dichloroethene (1,1-DCE)	7	ND(2.5)	**8.7**	6.9	3.8
1,2-Dichloroethane (1,2-DCA)	5	ND(2.5)	ND(5.0)	ND(2.5)	ND(0.50)
cis-1,2-Dichloroethene (cis-1,2-DCE)	70	ND(2.5)	ND(5.0)	ND(2.5)	ND(0.50)
trans-1,2-Dichloroethene (trans-1,2-DCE)	100	ND(2.5)	ND(5.0)	ND(2.5)	ND(0.50)
1,2-Dichloropropane (1,2-DCP)	5	4.1	ND(5.0)	ND(2.5)	ND(0.50)
1,1,1-Trichloroethane	200	ND(2.5)	ND(5.0)	ND(2.5)	ND(0.50)
Acetone	700	ND(50)	ND(100)	ND(50)	ND(10)
Benzene	5	ND(2.5)	ND(5.0)	ND(2.5)	ND(0.50)
Carbon tetrachloride	5	ND(2.5)	ND(5.0)	ND(2.5)	1.3
Chlorobenzene	100	ND(2.5)	ND(5.0)	ND(2.5)	ND(0.50)
Chloroform (TCM)	100	9.0	ND(5.0)	ND(2.5)	0.84
Chloromethane	2.7	ND(5.0)	ND(10)	ND(5.0)	ND(1.0)
Dichlorodifluoromethane (Freon 12)	1,400	ND(2.5)	ND(5.0)	ND(2.5)	ND(0.50)
Ethylbenzene	700	ND(2.5)	ND(5.0)	ND(2.5)	ND(0.50)
Methyl ethyl ketone	350	ND(50)	ND(100)	ND(50)	ND(10)
Methylene chloride (DCM)	5	ND(5.0)	ND(10)	ND(5.0)	ND(1.0)
Tetrachloroethene (PCE)	5	ND(2.5)	ND(5.0)	ND(2.5)	ND(0.50)
Toluene	1,000	ND(2.5)	ND(5.0)	ND(2.5)	ND(0.50)
Trichloroethene (TCE)	5	**410**	**46**	**43**	**51**
Trichlorofluoromethane (Freon 11)	2,100	ND(2.5)	ND(5.0)	ND(2.5)	ND(0.50)
Trihalomethanes [2]	100 [3]	9.0	ND(20)	ND(10)	0.84
m&p-Xylene	10,000 [4]	ND(5.0)	ND(10)	ND(5.0)	ND(1.0)
o-Xylene		ND(2.5)	ND(5.0)	ND(2.5)	ND(0.50)
Vinyl chloride (chloroethene)	2	ND(2.5)	ND(5.0)	ND(2.5)	ND(0.50)

Notes:

TI Zone - Technical Impracticability Zone
TIAA - Tucson International Airport Area
All units are in micrograms per liter (µg/L)
[1] From Table 2.3 of the TAA Soils Consent Decree SOW
[2] Trihalomethanes - includes chloroform, bromodichloromethane, dibromochloromethane, and tribromomethane
[3] Performance standard for total trihalomethanes
[4] Performance standard for total xylenes
[5] Sample collected during first pump test at CRA-5 after pump was replaced.
[6] Sample collected at CRA-5 after 2 weeks of continuous operation after repairs were completed (08/25/25).
ND( ) = The result was less than the listed laboratory reporting limit.
Bold values highlight Performance Standard exceedances

Table 4.3
Summary of Analytical Results
On-Airport Property Extraction Wells (EW-1, EW-2R)
TIAA Superfund Site - Airport Property
Tucson, Arizona

	Sample Location:	EW-01	EW-01	EW-02R
	Sample Date:	08/07/2025	08/07/2025	08/07/2025
	Sample ID:	GW-080725-TF-06	GW-080725-TF-07	GW-080725-TF-08
	Sample Type:		Duplicate	
Volatile Organic Compounds (VOCs)	**Performance Standard [1]**			
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	210,000	ND(25)	ND(25)	ND(25)
1,1-Dichloroethane (1,1-DCA)	5	ND(2.5)	ND(2.5)	ND(2.5)
1,1-Dichloroethene (1,1-DCE)	7	ND(2.5)	ND(2.5)	ND(2.5)
1,2-Dichloroethane (1,2-DCA)	5	ND(2.5)	ND(2.5)	ND(2.5)
cis-1,2-Dichloroethene (cis-1,2-DCE)	70	ND(2.5)	ND(2.5)	ND(2.5)
trans-1,2-Dichloroethene (trans-1,2-DCE)	100	ND(2.5)	ND(2.5)	ND(2.5)
1,2-Dichloropropane (1,2-DCP)	5	ND(2.5)	ND(2.5)	3.4
1,1,1-Trichloroethane	200	ND(2.5)	ND(2.5)	ND(2.5)
Acetone	700	ND(50)	ND(50)	ND(50)
Benzene	5	ND(2.5)	ND(2.5)	ND(2.5)
Carbon tetrachloride	5	ND(2.5)	ND(2.5)	ND(2.5)
Chlorobenzene	100	ND(2.5)	ND(2.5)	ND(2.5)
Chloroform (TCM)	100	3.1	3.4	23
Chloromethane	2.7	ND(5.0)	ND(5.0)	ND(5.0)
Dichlorodifluoromethane (Freon 12)	1,400	ND(2.5)	ND(2.5)	ND(2.5)
Ethylbenzene	700	ND(2.5)	ND(2.5)	ND(2.5)
Methyl ethyl ketone	350	ND(50)	ND(50)	ND(50)
Methylene chloride (DCM)	5	ND(5.0)	ND(5.0)	ND(5.0)
Tetrachloroethene (PCE)	5	ND(2.5)	ND(2.5)	ND(2.5)
Toluene	1,000	ND(2.5)	ND(2.5)	ND(2.5)
Trichloroethene (TCE)	5	**63**	**67**	**43**
Trichlorofluoromethane (Freon 11)	2,100	ND(2.5)	ND(2.5)	ND(2.5)
Trihalomethanes [2]	100 [3]	3.1	3.4	23
m&p-Xylene	10,000 [4]	ND(5.0)	ND(5.0)	ND(5.0)
o-Xylene		ND(2.5)	ND(2.5)	ND(2.5)
Vinyl chloride (chloroethene)	2	ND(2.5)	ND(2.5)	ND(2.5)

Notes:

TIAA - Tucson International Airport Area

All units are in micrograms per liter (µg/L)

[1] From Table 2.3 of the TAA Soils Consent Decree SOW

[2] Trihalomethanes - includes chloroform, bromodichloromethane, dibromochloromethane, and tribromomethane

[3] Performance standard for total trihalomethanes

[4] Performance standard for total xylenes

ND( ) = The result was less than the listed laboratory reporting limit.

Bold values highlight Performance Standard exceedances

Table 4.4
Summary of Analytical Results
Off-Airport Property Extraction Wells (EW-4, S-38)
TIAA Superfund Site - Airport Property
Tucson, Arizona

	Sample Location:	EW-4	S-38
	Sample Date:	08/07/2025	08/07/2025
	Sample ID:	GW-080725-TF-09	GW-080725-TF-10
	Sample Type:		
Volatile Organic Compounds (VOCs)	**Performance Standard [1]**		
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	210,000	ND(25)	ND(25)
1,1-Dichloroethane (1,1-DCA)	5	ND(2.5)	ND(2.5)
1,1-Dichloroethene (1,1-DCE)	7	ND(2.5)	ND(2.5)
1,2-Dichloroethane (1,2-DCA)	5	ND(2.5)	ND(2.5)
cis-1,2-Dichloroethene (cis-1,2-DCE)	70	ND(2.5)	ND(2.5)
trans-1,2-Dichloroethene (trans-1,2-DCE)	100	ND(2.5)	ND(2.5)
1,2-Dichloropropane (1,2-DCP)	5	ND(2.5)	ND(2.5)
1,1,1-Trichloroethane	200	ND(2.5)	ND(2.5)
Acetone	700	ND(50)	ND(50)
Benzene	5	ND(2.5)	ND(2.5)
Carbon tetrachloride	5	ND(2.5)	ND(2.5)
Chlorobenzene	100	ND(2.5)	ND(2.5)
Chloroform (TCM)	100	ND(2.5)	16
Chloromethane	2.7	ND(5.0)	ND(5.0)
Dichlorodifluoromethane (Freon 12)	1,400	ND(2.5)	ND(2.5)
Ethylbenzene	700	ND(2.5)	ND(2.5)
Methyl ethyl ketone	350	ND(50)	ND(50)
Methylene chloride (DCM)	5	ND(5.0)	ND(5.0)
Tetrachloroethene (PCE)	5	ND(2.5)	ND(2.5)
Toluene	1,000	ND(2.5)	ND(2.5)
Trichloroethene (TCE)	5	**5.7**	**27**
Trichlorofluoromethane (Freon 11)	2,100	ND(2.5)	ND(2.5)
Trihalomethanes [2]	100 [3]	ND(10)	16
m&p-Xylene	10,000 [4]	ND(5.0)	ND(5.0)
o-Xylene		ND(2.5)	ND(2.5)
Vinyl chloride (chloroethene)	2	ND(2.5)	ND(2.5)

Notes:

TIAA - Tucson International Airport Area

All units are in micrograms per liter (µg/L)

[1] From Table 2.3 of the TAA Soils Consent Decree SOW

[2] Trihalomethanes - includes chloroform, bromodichloromethane, dibromochloromethane, and tribromomethane

[3] Performance standard for total trihalomethanes

[4] Performance standard for total xylenes

ND( ) = The result was less than the listed laboratory reporting limit.

Bold values highlight Performance Standard exceedances

Table 4.5
Summary of Analytical Results
Combined Influent
TIAA Superfund Site - Airport Property
Tucson, Arizona

Volatile Organic Compounds (VOCs)	Sample Location:	Combined Influent					
	Sample Date:	03/04/2025	04/01/2025	05/01/2025	06/03/2025	07/01/2025	08/07/2025
	Sample ID:	PW-030425-TF-01	PW-040125-TF-01	PW-050125-TF-01	PW-060325-TF-01	PW-070125-TF-01	PW-080725-TF-01
	Sample Type:						
	Performance Standard [1]						
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	210,000	ND(5.0)	ND(25)	ND(25)	ND(50)	ND(50)	ND(25)
1,1-Dichloroethane (1,1-DCA)	5	ND(0.50)	ND(2.5)	ND(2.5)	ND(5.0)	ND(5.0)	ND(2.5)
1,1-Dichloroethene (1,1-DCE)	7	ND(0.50)	ND(2.5)UJ	ND(2.5)	ND(5.0)	ND(5.0)	ND(2.5)
1,2-Dichloroethane (1,2-DCA)	5	ND(0.50)	ND(2.5)	ND(2.5)	ND(5.0)	ND(5.0)	ND(2.5)
cis-1,2-Dichloroethene (cis-1,2-DCE)	70	ND(0.50)	ND(2.5)	ND(2.5)	ND(5.0)	ND(5.0)	ND(2.5)
trans-1,2-Dichloroethene (trans-1,2-DCE)	100	ND(0.50)	ND(2.5)	ND(2.5)	ND(5.0)	ND(5.0)	ND(2.5)
1,2-Dichloropropane (1,2-DCP)	5	0.97	ND(2.5)	ND(2.5)	ND(5.0)	ND(5.0)	ND(2.5)
1,1,1-Trichloroethane	200	ND(0.50)	ND(2.5)	ND(2.5)	ND(5.0)	ND(5.0)	ND(2.5)
Acetone	700	ND(10)	ND(50)	ND(50)	ND(100)	ND(100)	ND(50)
Benzene	5	ND(0.50)	ND(2.5)	ND(2.5)	ND(5.0)	ND(5.0)	ND(2.5)
Carbon tetrachloride	5	ND(0.50)	ND(2.5)	ND(2.5)	ND(5.0)	ND(5.0)	ND(2.5)
Chlorobenzene	100	ND(0.50)	ND(2.5)	ND(2.5)	ND(5.0)	ND(5.0)	ND(2.5)
Chloroform (TCM)	100	16	19	15	15	14	10
Chloromethane	2.7	ND(1.0)	ND(5.0)	ND(5.0)	ND(10)	ND(10)	ND(5.0)
Dichlorodifluoromethane (Freon 12)	1,400	ND(0.50)	ND(2.5)	ND(2.5)	ND(5.0)	ND(5.0)	ND(2.5)
Ethylbenzene	700	ND(0.50)	ND(2.5)	ND(2.5)	ND(5.0)	ND(5.0)	ND(2.5)
Methyl ethyl ketone	350	ND(10)	ND(50)	ND(50)	ND(100)	ND(100)	ND(50)
Methylene chloride (DCM)	5	ND(1.0)	ND(5.0)	ND(5.0)	ND(10)	ND(10)	ND(5.0)
Tetrachloroethene (PCE)	5	ND(0.50)	ND(2.5)	ND(2.5)	ND(5.0)	ND(5.0)	ND(2.5)
Toluene	1,000	ND(0.50)	ND(2.5)	ND(2.5)	ND(5.0)	ND(5.0)	ND(2.5)
Trichloroethene (TCE)	5	**61**	**51 J-**	**60 J-**	**61 J-**	**63 J-**	**57**
Trichlorofluoromethane (Freon 11)	2,100	ND(0.50)	ND(2.5)	ND(2.5)	ND(5.0)	ND(5.0)	ND(2.5)
Trihalomethanes [2]	100 [3]	16	19	15	15	14	10
m&p-Xylene	10,000 [4]	ND(1.0)	ND(5.0)	ND(5.0)	ND(10)	ND(10)	ND(5.0)
o-Xylene		ND(0.50)	ND(2.5)	ND(2.5)	ND(5.0)	ND(5.0)	ND(2.5)
Vinyl chloride (chloroethene)	2	ND(0.50)	ND(2.5)	ND(2.5)	ND(5.0)	ND(5.0)	ND(2.5)

Notes:

TIAA - Tucson International Airport Area

All units are in micrograms per liter (µg/L)

[1] From Table 2.3 of the TAA Soils Consent Decree SOW

[2] Trihalomethanes - includes chloroform, bromodichloromethane, dibromochloromethane, and tribromomethane

[3] Performance standard for total trihalomethanes

[4] Performance standard for total xylenes

J- - Estimated concentration, result may be biased high

ND( ) = The result was less than the listed laboratory reporting limit.

Bold values highlight Performance Standard exceedances

Table 4.6

Summary of Analytical Results
Facility Discharge and Air Stripper Discharge
TIAA Superfund Site - Airport Property
Tucson, Arizona

	Sample Location:	Facility Discharge												Air Stripper Discharge	
	Sample Date:	03/04/2025	03/04/2025	04/01/2025	04/01/2025	05/01/2025	05/01/2025	06/03/2025	06/03/2025	07/01/2025	07/01/2025	08/07/2025	08/07/2025	05/01/2025	08/07/2025
	Sample ID:	PW-030425-TF-03	PW-030425-TF-04	PW-040125-TF-03	PW-040125-TF-04	PW-050125-TF-04	PW-050125-TF-05	PW-060325-TF-03	PW-060325-TF-04	PW-070125-TF-03	PW-070125-TF-04	PW-080725-TF-04	PW-080725-TF-05	PW-050125-TF-03	PW-080725-TF-03
	Sample Type:		Duplicate		Duplicate		Duplicate		Duplicate		Duplicate		Duplicate		
Volatile Organic Compounds (VOCs)	**Performance Standard [1]**														
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon-113)	210,000	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
1,1-Dichloroethane (1,1-DCA)	5	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethene (1,1-DCE)	7	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,2-Dichloroethane (1,2-DCA)	5	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
cis-1,2-Dichloroethene (cis-1,2-DCE)	70	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
trans-1,2-Dichloroethene (trans-1,2-DCE)	100	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,2-Dichloropropane (1,2-DCP)	5	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,1,1-Trichloroethane	200	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Acetone	700	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
Benzene	5	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Carbon tetrachloride	5	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Chlorobenzene	100	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Chloroform (TCM)	100	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Chloromethane	2.7	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Dichlorodifluoromethane (Freon 12)	1,400	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Ethylbenzene	700	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Methyl ethyl ketone	350	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
Methylene chloride (DCM)	5	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Tetrachloroethene (PCE)	5	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Toluene	1,000	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trichloroethene (TCE)	5	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trichlorofluoromethane (Freon 11)	2,100	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trihalomethanes [2]	100 [3]	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
m&p-Xylene	10,000 [4]	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
o-Xylene		ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Vinyl chloride (chloroethene)	2	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

Notes:

TIAA - Tucson International Airport Area

All units are in micrograms per liter (µg/L)

[1] From Table 2.3 of the TAA Soils Consent Decree SOW

[2] Trihalomethanes - includes chloroform, bromodichloromethane, dibromochloromethane, and tribromomethane

[3] Performance standard for total trihalomethanes

[4] Performance standard for total xylenes

ND( ) = The result was less than the listed laboratory reporting limit.

Bold values highlight Performance Standard exceedances

Table 4.7
Summary of Analytical Results
Air Stripper Off-Gas
TIAA Superfund Site - Airport Property
Tucson, Arizona

	Sample ID:	AI-050625-TF-01			AI-080725-TF-01		
	Sample Date:	05/06/25			08/07/25		
	Status:	Final			Final		
	Flowrate (cfm):			461			461
Volatile Organic Compounds (VOCs)	Molecular Weights (g/mol)	Concentration (ppbv)		VOC Removal (lbs/day)	Concentration (ppbv)		VOC Removal (lbs/day)
1,1,1-Trichloroethane[1]	133.4	ND	1.2	0.000	ND	1.2	0.000
1,1,2,2-Tetrachloroethane	167.85	ND	1.2	--	ND	1.2	--
1,1,2-Trichloroethane	133.4	ND	1.2	--	ND	1.2	--
1,1-Dichloroethane[1]	98.96	ND	1.2	0.000	ND	1.2	0.000
1,1-Dichloroethene[1]	96.94	--	1.9	0.000	--	2.8	0.000
1,2,4-Trichlorobenzene	181.45	ND	4.9	--	ND	5.0	--
1,2,4-Trimethylbenzene	120.19	ND	1.2	--	ND	1.2	--
1,2-Dibromoethane (Ethylene Dibromide)	187.86	ND	1.2	--	ND	1.2	--
1,2-Dichlorobenzene	147	ND	1.2	--	ND	1.2	--
1,2-Dichloroethane[1]	98.96	ND	1.2	0.000	ND	1.2	0.000
1,2-Dichloropropane[1]	112.99	--	5.4	0.001	--	4.3	0.001
1,2-Dichlorotetrafluoroethane (CFC 114)	170.92	ND	1.2	--	ND	1.2	--
1,3,5-Trimethylbenzene	120.19	ND	1.2	--	ND	1.2	--
1,3-Butadiene	54.09	ND	1.2	--	ND	1.2	--
1,3-Dichlorobenzene	147	ND	1.2	--	ND	1.2	--
1,4-Dichlorobenzene	147	ND	1.2	--	ND	1.2	--
2,2,4-Trimethylpentane	114.23	ND	1.2	--	ND	1.2	--
2-Butanone (Methyl Ethyl Ketone)[1]	72.11	ND	4.9	0.000	ND	5.0	0.000
2-Hexanone	100.16	ND	4.9	--	ND	5.0	--
4-Ethyl toluene	120.19	ND	1.2	--	ND	1.2	--
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	100.16	ND	1.2	--	ND	1.2	--
Acetone[1]	58.08	ND	12	0.000	ND	12	0.000
Allyl chloride	76.53	ND	4.9	--	ND	5.0	--
Benzene[1]	78.11	ND	1.2	0.000	ND	1.2	0.000
Benzyl Chloride	126.58	ND	1.2	--	ND	1.2	--
Bromodichloromethane[1]	163.83	ND	1.2	0.000	ND	1.2	0.000
Bromoform	252.73	ND	1.2	--	ND	1.2	--
Bromomethane (Methyl Bromide)	94.94	ND	12	--	ND	12	--
Carbon disulfide	76.14	--	14	--	ND	5.0	--
Carbon tetrachloride[1]	153.82	ND	1.2	0.000	ND	1.2	0.000
Chlorobenzene[1]	112.56	ND	1.2	0.000	ND	1.2	0.000
Chloroethane	64.51	ND	4.9	--	ND	5.0	--
Chloroform (Trichloromethane)[1]	119.38	--	61	0.012	--	47	0.009
Chloromethane (Methyl Chloride)[1]	50.49	ND	12	0.000	ND	12	0.000
cis-1,2-Dichloroethene[1]	96.94	ND	1.2	0.000	ND	1.2	0.000
cis-1,3-Dichloropropene	110.97	ND	1.2	--	ND	1.2	--
Cyclohexane	84.16	ND	1.2	--	ND	1.2	--
Dibromochloromethane[1]	208.28	ND	1.2	0.000	ND	1.2	0.000
Dichlorodifluoromethane (CFC-12)[1]	120.91	ND	1.2	0.000	ND	1.2	0.000
Ethyl acetate	88.11	ND	4.9	--	ND	5.0	--
Ethylbenzene[1]	106.17	ND	1.2	0.000	ND	1.2	0.000
Hexachlorobutadiene	260.76	ND	4.9	--	ND	5.0	--
Hexane	86.18	ND	1.2	--	--	1.2	--
Isopropyl Alcohol	60.1	ND	4.9	--	ND	5.0	--
m&p-Xylene[1]	106.17	ND	2.5	0.000	ND	2.5	0.000
Methyl Tert Butyl Ether	88.15	ND	4.9	--	ND	5.0	--

Table 4.7
Summary of Analytical Results
Air Stripper Off-Gas
TIAA Superfund Site - Airport Property
Tucson, Arizona

	Sample ID:	AI-050625-TF-01			AI-080725-TF-01		
	Sample Date:	05/06/25			08/07/25		
	Status:	Final			Final		
	Flowrate (cfm):			461			461
Volatile Organic Compounds (VOCs)	Molecular Weights (g/mol)	Concentration (ppbv)		VOC Removal (lbs/day)	Concentration (ppbv)		VOC Removal (lbs/day)
Methylene chloride[1]	84.93	ND	12	0.000	ND	12	0.000
N-Heptane	100.20	ND	1.2	--	ND	1.2	--
o-Xylene[1]	106.17	ND	1.2	0.000	ND	1.2	0.000
Propylene (Propene)	42.08	ND	4.9	--	ND	5.0	--
Styrene	104.15	ND	1.2	--	ND	1.2	--
Tetrachloroethene[1]	165.83	ND	1.2	0.000	ND	1.2	0.000
Tetrahydrofuran	72.11	ND	1.2	--	ND	1.2	--
Toluene[1]	92.14	ND	2.5	0.000	ND	2.5	0.000
trans-1,2-Dichloroethene[1]	96.94	ND	1.2	0.000	ND	1.2	0.000
trans-1,3-Dichloropropene	110.97	ND	1.2	--	ND	1.2	--
Trichloroethene[1]	131.39	--	260	0.058	--	240	0.053
Trichlorofluoromethane (CFC-11)[1]	137.37	ND	1.2	0.000	ND	1.2	0.000
Trifluorotrichloroethane (Freon 113)[1]	187.38	ND	1.2	0.000	ND	1.2	0.000
Vinyl acetate	86.09	ND	4.9	--	ND	5.0	--
Vinyl chloride[1]	62.50	ND	1.2	0.000	ND	1.2	0.000
Vinyl Bromide (Bromoethene)	106.95	--	--	--	--	--	--
Equivalent Total Pounds per Day [2]				**0.074**			**0.067**

Notes:

TIAA - Tucson International Airport Area
cfm - cubic feet per minute
ppbv - parts per billion by volume
lbs/day - pounds per day
g/mol - grams per mole
[1] Compound of Concern (COC) identified in the Statement of Work, Table 2.3
[2] For the "ND" results, calculated the pounds removed based on one quarter of the detection limit for COCs only
ND( ) = The result was less than the listed laboratory reporting limit.
-- - Mass removal rate not calculated for ND results that are not COCs (See Note 2)
Discharge Performance Standard is 15 lbs/day VOCs

Table 4.8
Summary of Analytical Results
Vapor Phase Carbon Discharge
TIAA Superfund Site - Airport Property
Tucson, Arizona

	Sample ID:	AE-020525-TF-02			AE-080725-TF-02		
	Sample Date:	05/06/25			08/07/25		
	Status:	Final			Final		
	Flowrate (cfm):			461			461
Volatile Organic Compounds (VOCs)	Molecular Weights (g/mol)	Concentration (ppbv)		VOC Removal (lbs/day)	Concentration (ppbv)		VOC Removal (lbs/day)
1,1,1-Trichloroethane[1]	133.4	ND	1.2	0.000	ND	1.1	0.000
1,1,2,2-Tetrachloroethane	167.85	ND	1.2	--	ND	1.1	--
1,1,2-Trichloroethane	133.4	ND	1.2	--	ND	1.1	--
1,1-Dichloroethane[1]	98.96	ND	1.2	0.000	ND	1.1	0.000
1,1-Dichloroethene[1]	96.94	--	2.4	0.000	--	2.6	0.000
1,2,4-Trichlorobenzene	181.45	ND	4.8	--	ND	4.5	--
1,2,4-Trimethylbenzene	120.19	ND	1.2	--	ND	1.1	--
1,2-Dibromoethane (Ethylene Dibromide)	187.86	ND	1.2	--	ND	1.1	--
1,2-Dichlorobenzene	147	ND	1.2	--	ND	1.1	--
1,2-Dichloroethane[1]	98.96	ND	1.2	0.000	ND	1.1	0.000
1,2-Dichloropropane[1]	112.99	ND	1.2	0.000	ND	1.1	0.000
1,2-Dichlorotetrafluoroethane (CFC 114)	170.92	ND	1.2	--	ND	1.1	--
1,3,5-Trimethylbenzene	120.19	ND	1.2	--	ND	1.1	--
1,3-Butadiene	54.09	ND	1.2	--	ND	1.1	--
1,3-Dichlorobenzene	147	ND	1.2	--	ND	1.1	--
1,4-Dichlorobenzene	147	ND	1.2	--	ND	1.1	--
2,2,4-Trimethylpentane	114.23	ND	1.2	--	ND	1.1	--
2-Butanone (Methyl Ethyl Ketone)[1]	72.11	ND	4.8	0.000	ND	4.5	0.000
2-Hexanone	100.16	ND	4.8	--	ND	4.5	--
4-Ethyl toluene	120.19	ND	1.2	--	ND	1.1	--
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	100.16	ND	1.2	--	ND	1.1	--
Acetone[1]	58.08	ND	12	0.000	ND	11	0.000
Allyl chloride	76.53	ND	4.8	--	ND	4.5	--
Benzene[1]	78.11	ND	1.2	0.000	ND	1.1	0.000
Benzyl Chloride	126.58	ND	1.2	--	ND	1.1	--
Bromodichloromethane[1]	163.83	ND	1.2	0.000	ND	1.1	0.000
Bromoform	252.73	ND	1.2	--	ND	1.1	--
Bromomethane (Methyl Bromide)	94.94	ND	12	--	ND	11	--
Carbon disulfide	76.14	ND	4.8	--	ND	4.5	--
Carbon tetrachloride[1]	153.82	ND	1.2	0.000	ND	1.1	0.000
Chlorobenzene[1]	112.56	ND	1.2	0.000	ND	1.1	0.000
Chloroethane	64.51	ND	4.8	--	ND	4.5	--
Chloroform (Trichloromethane)[1]	119.38	--	69	0.014	--	48	0.010
Chloromethane (Methyl Chloride)[1]	50.49	ND	12	0.000	ND	11	0.000
cis-1,2-Dichloroethene[1]	96.94	ND	1.2	0.000	ND	1.1	0.000
cis-1,3-Dichloropropene	110.97	ND	1.2	--	ND	1.1	--
Cyclohexane	84.16	ND	1.2	--	ND	1.1	--
Dibromochloromethane[1]	208.28	ND	1.2	0.000	ND	1.1	0.000
Dichlorodifluoromethane (CFC-12)[1]	120.91	ND	1.2	0.000	ND	1.1	0.000
Ethyl acetate	88.11	ND	4.8	--	ND	4.5	--
Ethylbenzene[1]	106.17	ND	1.2	0.000	ND	1.1	0.000
Hexachlorobutadiene	260.76	ND	4.8	--	ND	4.5	--
Hexane	86.18	ND	1.2	--	ND	1.1	--
Isopropyl Alcohol	60.1	ND	4.8	--	--	4.4 J	--
m&p-Xylene[1]	106.17	ND	2.4	0.000	ND	2.2	0.000
Methyl Tert Butyl Ether	88.15	ND	4.8	--	ND	4.5	--

Table 4.8
Summary of Analytical Results
Vapor Phase Carbon Discharge
TIAA Superfund Site - Airport Property
Tucson, Arizona

	Sample ID:	AE-020525-TF-02			AE-080725-TF-02		
	Sample Date:	05/06/25			08/07/25		
	Status:	Final			Final		
	Flowrate (cfm):			461			461
Volatile Organic Compounds (VOCs)	Molecular Weights (g/mol)	Concentration (ppbv)		VOC Removal (lbs/day)	Concentration (ppbv)		VOC Removal (lbs/day)
Methylene chloride[1]	84.93	ND	12	0.000	ND	11	0.000
N-Heptane	100.20	ND	1.2	--	ND	1.1	--
o-Xylene[1]	106.17	ND	1.2	0.000	ND	1.1	0.000
Propylene (Propene)	42.08	ND	4.8	--	ND	4.5	--
Styrene	104.15	ND	1.2	--	ND	1.1	--
Tetrachloroethene[1]	165.83	ND	1.2	0.000	ND	1.1	0.000
Tetrahydrofuran	72.11	ND	1.2	--	ND	1.1	--
Toluene[1]	92.14	ND	2.4	0.000	ND	2.2	0.000
trans-1,2-Dichloroethene[1]	96.94	ND	1.2	0.000	ND	1.1	0.000
trans-1,3-Dichloropropene	110.97	ND	1.2	--	ND	1.1	--
Trichloroethene[1]	131.39	ND	1.2	0.000	ND	1.1	0.000
Trichlorofluoromethane (CFC-11)[1]	137.37	ND	1.2	0.000	ND	1.1	0.000
Trifluorotrichloroethane (Freon 113)[1]	187.38	ND	1.2	0.000	ND	1.1	0.000
Vinyl acetate	86.09	ND	4.8	--	ND	4.5	--
Vinyl chloride[1]	62.50	ND	1.2	0.000	ND	1.1	0.000
Vinyl Bromide (Bromoethene)	106.95	--	--	--	--	--	--
Equivalent Total Pounds per Day [2]				**0.017**			**0.012**

Notes:

TIAA - Tucson International Airport Area
cfm - cubic feet per minute
ppbv - parts per billion by volume
lbs/day - pounds per day
g/mol - grams per mole
[1] Compound of Concern (COC) identified in the Statement of Work, Table 2.3
[2] For the "ND" results, calculates the pounds removed based on one quarter of the detection limit for COCs only
ND( ) = The result was less than the listed laboratory reporting limit.
-- - Mass removal rate not calculated for ND results that are not COCs (See Note 2)
Discharge Performance Standard is 15 lbs/day VOCs

Table 4.9
Summary of Proposed SGZ Remedy Sampling and Analysis
Routine Operation - 1-Year Period from November 2025 to October 2026
TIAA Superfund Site - Airport Property
Tucson, Arizona

Sample Location	Frequency	Sample Port/Well ID	Field Parameters (Every Sampling Event)	Laboratory Parameters	Intended Data Usage	Monitoring Samples	QC Samples: Field Blank	QC Samples: Field Duplicate	QC Samples: MS/MSD	No. of Events	Total Per Year
Groundwater Sampling											
Groundwater Monitoring Wells	January 2026	Upper SGZ x 18	water level, pH, specific conductance, temperature	(1)	Assess remedy performance	18	4	2	1	1	25
		GSU x 22	water level, pH, specific conductance, temperature	(1)	Assess remedy performance	22	4	2	1	1	29
		Regional Aquifer x 9	water level, pH, specific conductance, temperature	(1)	Assess remedy performance	9	5	1	1	1	16
Groundwater Monitoring Wells	August 2026	Upper SGZ x 44	water level, pH, specific conductance, temperature	(1)	Assess remedy performance	44	4	4	1	1	53
		GSU x 43	water level, pH, specific conductance, temperature	(1)	Assess remedy performance	43	4	4	1	1	52
		Regional Aquifer x 13	water level, pH, specific conductance, temperature	(1)	Assess remedy performance	13	2	2	0	1	17
Treatment System Sampling											
Facility Discharge	Monthly	Sample Port After Discharge Flowmeter	pH, specific conductance, temperature	(1)	Assess treatment effectiveness	1	0	1	0	12	24
Combined Influent	Monthly	Sample Port Before Air Stripper	pH, specific conductance, temperature	(1)	Assess influent groundwater chemistry	1	1	0	0	12	24
Air Stripper Water Discharge	Quarterly	Air Stripper Discharge Sample Port	temperature	(1)	Assess treatment effectiveness	1	0	0	0	4	4
Air Stripper Off-Gas	Quarterly	Vapor Phase Carbon Influent Sample Port	temperature	(1)	Determine breakthrough for carbon	1	0	0	0	4	4
Vapor Phase Carbon Discharge	Quarterly	Vapor Phase Carbon Discharge Sample Port	temperature	(1)	Determine breakthrough for carbon	1	0	0	0	4	4

Notes:

SGZ - Shallow Groundwater Zone
TIAA - Tucson International Airport Authority
QC - Quality Control
MS/MSD - Method Spike/Method Spike Duplicate
GSU - Gravel Subunit
(1) Analysis only for volatile organic compounds listed in Table 2.6 of the Quality Assurance Project Plan (CRA, September 2007)

Table 5.1
Summary of Current TI Zone and RRS SVE Remedy Sampling and Analysis Schedule
1-Year Period from November 2024 through October 2025
TIAA Superfund Site - Airport Property
Tucson, Arizona

Sample Location	Frequency	Sample Port/Well ID	Field Parameters	Laboratory Parameters	Intended Data Usage	Monitoring Samples	QC Samples: Field Blank	QC Samples: Field Duplicate	QC Samples: MS/MSD	Total Per Year
SVE Well Sampling										
SVE-1, 2, 3, 4	Quarterly	Unit 2/3	--	(1)	Assess SVE VOC concentrations	4	0	0	0	16
Treatment System Sampling										
GAC Influent	Quarterly	GAC Influent Sample Port	--	(1)	Assess GAC influent concentrations	1	0	0	0	4
GAC Off-Gas	Quarterly	GAC Discharge Sample Port	--	(1)	Assess carbon breakthrough	1	0	0	0	4
Vacuum Pressure Determination at Soil Gas Monitoring Wells										
S-5	Semi-Annually	All Sample Ports	Vacuum	--	Evaluate radius of influence	5	--	--	--	10
S-10	Semi-Annually	All Sample Ports	Vacuum	--	Evaluate radius of influence	5	--	--	--	10
S-11	Semi-Annually	All Sample Ports	Vacuum	--	Evaluate radius of influence	5	--	--	--	10
S-16	Semi-Annually	All Sample Ports	Vacuum	--	Evaluate radius of influence	5	--	--	--	10
S-6	Semi-Annually	All Sample Ports	Vacuum	--	Evaluate radius of influence	5	--	--	--	10
S-14	Semi-Annually	All Sample Ports	Vacuum	--	Evaluate radius of influence	5	--	--	--	10
S-27	Semi-Annually	All Sample Ports	Vacuum	--	Evaluate radius of influence	5	--	--	--	10
RRS Multi-Port Soil Gas Observation Well Sampling										
S-1	Annually	All Sample Ports	--	COCs	Assess soil gas COCs	5	0	1	0	6
S-7	Annually	All Sample Ports	--	COCs	Assess soil gas COCs	5	0	0	0	5
S-12	Semi-Annually	All Sample Ports	--	COCs	Assess soil gas COCs	10	1	1	0	12

Notes:

TI Zone - Technical Impracticability Zone
SVE - Soil Vapor Extraction
TIAA - Tucson International Airport Area
QC - Quality Control

MS/MSD - Method Spike/Method Spike Duplicate
VOC - Volatile Organic Compound
GAC - Granular Activated Carbon
COCs - Location specific Contaminants of Concern (Section 6)

-- - Not Sampled
(1) Analyze for the VOCs listed in Table 2.6 of Quality Assurance Project Plan (CRA, 2007b)

Table 5.2
Summary of Analytical Results
TI Zone Unit 2/3 SVE Wells
TIAA Superfund Site - Airport Property
Tucson, Arizona

		SVE-1, Unit 2/3			SVE-1, Unit 2/3		
	Sample ID:	AI-050625-TF-05			AI-080725-TF-05		
	Sample Date:	05/06/25			08/07/25		
	Status:	Final			Final		
	Flowrate (cfm):		64			59	
Volatile Organic Compounds (VOCs)	Molecular Weights (g/mol)	Concentration (ppbv)		VOC Removal (lbs/day)	Concentration (ppbv)		VOC Removal (lbs/day)
1,1,1-Trichloroethane[1]	133.4	ND	1.3	0.000	ND	1.4	0.000
1,1,2,2-Tetrachloroethane	167.85	ND	1.3	--	ND	1.4	--
1,1,2-Trichloroethane	133.4	ND	1.3	--	ND	1.4	--
1,1-Dichloroethane[1]	98.96	ND	1.3	0.000	ND	1.4	0.000
1,1-Dichloroethene[1]	96.94	ND	1.3	0.000	ND	1.4	0.000
1,2,4-Trichlorobenzene	181.45	ND	5.2	--	ND	5.4	--
1,2,4-Trimethylbenzene	120.19	ND	1.3	--	ND	1.4	--
1,2-Dibromoethane (Ethylene Dibromide)	187.86	ND	1.3	--	ND	1.4	--
1,2-Dichlorobenzene	147	ND	1.3	--	ND	1.4	--
1,2-Dichloroethane[1]	98.96	ND	1.3	0.000	ND	1.4	0.000
1,2-Dichloropropane[1]	112.99	ND	1.3	0.000	ND	1.4	0.000
1,2-Dichlorotetrafluoroethane (CFC 114)	170.92	ND	1.3	--	ND	1.4	--
1,3,5-Trimethylbenzene	120.19	ND	1.3	--	ND	1.4	--
1,3-Butadiene	54.09	ND	1.3	--	ND	1.4	--
1,3-Dichlorobenzene	147	ND	1.3	--	ND	1.4	--
1,4-Dichlorobenzene	147	ND	1.3	--	ND	1.4	--
2,2,4-Trimethylpentane	114.23	ND	1.3	--	ND	1.4	--
2-Butanone (Methyl Ethyl Ketone)[1]	72.11	ND	5.2	0.000	ND	5.4	0.000
2-Hexanone	100.16	ND	5.2	--	ND	5.4	--
4-Ethyl toluene	120.19	ND	1.3	--	ND	1.4	--
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	100.16	ND	1.3	--	ND	1.4	--
Acetone[1]	58.08	--	15	0.000	--	15	0.000
Allyl chloride	76.53	ND	5.2	--	ND	5.4	--
Benzene[1]	78.11	ND	1.3	0.000	ND	1.4	0.000
Benzyl Chloride	126.58	ND	1.3	--	ND	1.4	--
Bromodichloromethane[1]	163.83	ND	1.3	0.000	ND	1.4	0.000
Bromoform	252.73	ND	1.3	--	ND	1.4	--
Bromomethane (Methyl Bromide)	94.94	ND	13	--	ND	14	--
Carbon disulfide	76.14	ND	5.2	--	ND	5.4	--
Carbon tetrachloride[1]	153.82	ND	1.3	0.000	ND	1.4	0.000
Chlorobenzene[1]	112.56	ND	1.3	0.000	ND	1.4	0.000
Chloroethane	64.51	ND	5.2	--	ND	5.4	--
Chloroform (Trichloromethane)[1]	119.38	ND	1.3	0.000	ND	1.4	0.000
Chloromethane (Methyl Chloride)[1]	50.49	ND	13	0.000	ND	14	0.000
cis-1,2-Dichloroethene[1]	96.94	ND	1.3	0.000	ND	1.4	0.000
cis-1,3-Dichloropropene	110.97	ND	1.3	--	ND	1.4	--
Cyclohexane	84.16	ND	1.3	--	ND	1.4	--
Dibromochloromethane[1]	208.28	ND	1.3	0.000	ND	1.4	0.000
Dichlorodifluoromethane (CFC-12)[1]	120.91	ND	1.3	0.000	ND	1.4	0.000
Ethyl acetate	88.11	ND	5.2	--	ND	5.4	--
Ethylbenzene[1]	106.17	ND	1.3	0.000	ND	1.4	0.000
Hexachlorobutadiene	260.76	ND	5.2	--	ND	5.4	--
Hexane	86.18	ND	1.3	--	ND	1.4	--
Isopropyl Alcohol	60.1	ND	5.2	--	--	6.6	--
m&p-Xylene[1]	106.17	ND	2.6	0.000	ND	2.7	0.000
Methyl Tert Butyl Ether	88.15	ND	5.2	--	ND	5.4	--

Table 5.2
Summary of Analytical Results
TI Zone Unit 2/3 SVE Wells
TIAA Superfund Site - Airport Property
Tucson, Arizona

		SVE-1, Unit 2/3			SVE-1, Unit 2/3		
	Sample ID:	AI-050625-TF-05			AI-080725-TF-05		
	Sample Date:	05/06/25			08/07/25		
	Status:	Final			Final		
	Flowrate (cfm):			64			59
Volatile Organic Compounds (VOCs)	Molecular Weights (g/mol)	Concentration (ppbv)		VOC Removal (lbs/day)	Concentration (ppbv)		VOC Removal (lbs/day)
Methylene chloride[1]	84.93	ND	13	0.000	ND	14	0.000
N-Heptane	100.20	ND	1.3	--	ND	1.4	--
o-Xylene[1]	106.17	ND	1.3	0.000	ND	1.4	0.000
Propylene (Propene)	42.08	ND	5.2	--	ND	5.4	--
Styrene	104.15	ND	1.3	--	ND	1.4	--
Tetrachloroethene[1]	165.83	ND	1.3	0.000	ND	1.4	0.000
Tetrahydrofuran	72.11	ND	1.3	--	ND	1.4	--
Toluene[1]	92.14	ND	2.6	0.000	ND	2.7	0.000
trans-1,2-Dichloroethene[1]	96.94	ND	1.3	0.000	ND	1.4	0.000
trans-1,3-Dichloropropene	110.97	ND	1.3	--	ND	1.4	--
Trichloroethene[1]	131.39	--	4.2	0.000	--	3.5	0.000
Trichlorofluoromethane (CFC-11)[1]	137.37	ND	1.3	0.000	--	1.4	0.000
Trifluorotrichloroethane (Freon 113)[1]	187.38	ND	1.3	0.000	ND	1.4	0.000
Vinyl acetate	86.09	ND	5.2	--	ND	5.4	--
Vinyl chloride[1]	62.50	ND	1.3	0.000	ND	1.4	0.000
Vinyl Bromide (Bromoethene)	106.95	--	--	--	--	--	--
Equivalent Total Pounds per Day [2]				**0.001**			**0.001**

Notes:

TIAA - Tucson International Airport Area
cfm - cubic feet per minute
ppbv - parts per billion by volume
lbs/day - pounds per day
g/mol - grams per mole
[1] Compound of Concern (COC) identified in the Statement of Work, Table 2.3
[2] For the "ND" results, calculated the pounds removed based on one quarter of the detection limit for COCs only
ND - Result was less than the listed laboratory reporting limit.
-- - Mass removal rate not calculated for ND results that are not COCs (See Note 2)
Discharge Performance Standard is 15 lbs/day VOCs

Table 5.2
Summary of Analytical Results
TI Zone Unit 2/3 SVE Wells
TIAA Superfund Site - Airport Property
Tucson, Arizona

		SVE-2, Unit 2/3			SVE-2, Unit 2/3		
	Sample ID:	AI-050625-TF-06			AI-080725-TF-06		
	Sample Date:	05/06/25			08/07/25		
	Status:	Final			Final		
	Flowrate (cfm):		88			89	
Volatile Organic Compounds (VOCs)	Molecular Weights (g/mol)	Concentration (ppbv)		VOC Removal (lbs/day)	Concentration (ppbv)		VOC Removal (lbs/day)
1,1,1-Trichloroethane[1]	133.4	ND	1.4	0.000	ND	1.6	0.000
1,1,2,2-Tetrachloroethane	167.85	ND	1.4	--	ND	1.6	--
1,1,2-Trichloroethane	133.4	ND	1.4	--	ND	1.6	--
1,1-Dichloroethane[1]	98.96	ND	1.4	0.000	ND	1.6	0.000
1,1-Dichloroethene[1]	96.94	ND	1.4	0.000	ND	1.6	0.000
1,2,4-Trichlorobenzene	181.45	ND	5.5	--	ND	6.5	--
1,2,4-Trimethylbenzene	120.19	ND	1.4	--	ND	1.6	--
1,2-Dibromoethane (Ethylene Dibromide)	187.86	ND	1.4	--	ND	1.6	--
1,2-Dichlorobenzene	147	ND	1.4	--	ND	1.6	--
1,2-Dichloroethane[1]	98.96	ND	1.4	0.000	ND	1.6	0.000
1,2-Dichloropropane[1]	112.99	ND	1.4	0.000	ND	1.6	0.000
1,2-Dichlorotetrafluoroethane (CFC 114)	170.92	ND	1.4	--	ND	1.6	--
1,3,5-Trimethylbenzene	120.19	ND	1.4	--	ND	1.6	--
1,3-Butadiene	54.09	ND	1.4	--	ND	1.6	--
1,3-Dichlorobenzene	147	ND	1.4	--	ND	1.6	--
1,4-Dichlorobenzene	147	ND	1.4	--	ND	1.6	--
2,2,4-Trimethylpentane	114.23	ND	1.4	--	ND	1.6	--
2-Butanone (Methyl Ethyl Ketone)[1]	72.11	ND	5.5	0.000	ND	6.5	0.000
2-Hexanone	100.16	ND	5.5	--	ND	6.5	--
4-Ethyl toluene	120.19	ND	1.4	--	ND	1.6	--
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	100.16	ND	1.4	--	ND	1.6	--
Acetone[1]	58.08	--	17	0.000	--	42	0.001
Allyl chloride	76.53	ND	5.5	--	ND	6.5	--
Benzene[1]	78.11	ND	1.4	0.000	ND	1.6	0.000
Benzyl Chloride	126.58	ND	1.4	--	ND	1.6	--
Bromodichloromethane[1]	163.83	ND	1.4	0.000	ND	1.6	0.000
Bromoform	252.73	ND	1.4	--	ND	1.6	--
Bromomethane (Methyl Bromide)	94.94	ND	14	--	ND	16	--
Carbon disulfide	76.14	ND	5.5	--	ND	6.5	--
Carbon tetrachloride[1]	153.82	ND	1.4	0.000	ND	1.6	0.000
Chlorobenzene[1]	112.56	ND	1.4	0.000	ND	1.6	0.000
Chloroethane	64.51	ND	5.5	--	ND	6.5	--
Chloroform (Trichloromethane)[1]	119.38	ND	1.4	0.000	ND	1.6	0.000
Chloromethane (Methyl Chloride)[1]	50.49	ND	14	0.000	ND	16	0.000
cis-1,2-Dichloroethene[1]	96.94	ND	1.4	0.000	ND	1.6	0.000
cis-1,3-Dichloropropene	110.97	ND	1.4	--	ND	1.6	--
Cyclohexane	84.16	ND	1.4	--	ND	1.6	--
Dibromochloromethane[1]	208.28	ND	1.4	0.000	ND	1.6	0.000
Dichlorodifluoromethane (CFC-12)[1]	120.91	ND	1.4	0.000	ND	1.6	0.000
Ethyl acetate	88.11	ND	5.5	--	ND	6.5	--
Ethylbenzene[1]	106.17	ND	1.4	0.000	ND	1.6	0.000
Hexachlorobutadiene	260.76	ND	5.5	--	ND	6.5	--
Hexane	86.18	ND	1.4	--	ND	1.6	--
Isopropyl Alcohol	60.1	ND	5.5	--	ND	6.5	--
m&p-Xylene[1]	106.17	ND	2.8	0.000	ND	3.2	0.000
Methyl Tert Butyl Ether	88.15	ND	5.5	--	ND	6.5	--

Table 5.2
Summary of Analytical Results
TI Zone Unit 2/3 SVE Wells
TIAA Superfund Site - Airport Property
Tucson, Arizona

		SVE-2, Unit 2/3			SVE-2, Unit 2/3		
	Sample ID:	AI-050625-TF-06			AI-080725-TF-06		
	Sample Date:	05/06/25			08/07/25		
	Status:	Final			Final		
	Flowrate (cfm):			88			89
Volatile Organic Compounds (VOCs)	Molecular Weights (g/mol)	Concentration (ppbv)		VOC Removal (lbs/day)	Concentration (ppbv)		VOC Removal (lbs/day)
Methylene chloride[1]	84.93	ND	14	0.000	ND	16	0.000
N-Heptane	100.20	ND	1.4	--	ND	1.6	--
o-Xylene[1]	106.17	ND	1.4	0.000	ND	1.6	0.000
Propylene (Propene)	42.08	ND	5.5	--	ND	6.5	--
Styrene	104.15	ND	1.4	--	ND	1.6	--
Tetrachloroethene[1]	165.83	ND	1.4	0.000	ND	1.6	0.000
Tetrahydrofuran	72.11	ND	1.4	--	ND	1.6	--
Toluene[1]	92.14	ND	2.8	0.000	ND	3.2	0.000
trans-1,2-Dichloroethene[1]	96.94	ND	1.4	0.000	ND	1.6	0.000
trans-1,3-Dichloropropene	110.97	ND	1.4	--	ND	1.6	--
Trichloroethene[1]	131.39	ND	1.4	0.000	ND	1.6	0.000
Trichlorofluoromethane (CFC-11)[1]	137.37	ND	1.4	0.000	ND	1.6	0.000
Trifluorotrichloroethane (Freon 113)[1]	187.38	ND	1.4	0.000	ND	1.6	0.000
Vinyl acetate	86.09	ND	5.5	--	ND	6.5	--
Vinyl chloride[1]	62.50	ND	1.4	0.000	ND	1.6	0.000
Vinyl Bromide (Bromoethene)	106.95	--	--	--	--	--	--
					--	0	
Equivalent Total Pounds per Day [2]				**0.001**			**0.001**

Notes:

TIAA - Tucson International Airport Area
cfm - cubic feet per minute
ppbv - parts per billion by volume
lbs/day - pounds per day
g/mol - grams per mole
[1] Compound of Concern (COC) identified in the Statement of Work, Table 2.3
[2] For the "ND" results, calculated the pounds removed based on one quarter of the detection limit for COCs only
ND - Result was less than the listed laboratory reporting limit.
-- - Mass removal rate not calculated for ND results that are not COCs (See Note 2)
Discharge Performance Standard is 15 lbs/day VOCs

Table 5.2
Summary of Analytical Results
TI Zone Unit 2/3 SVE Wells
TIAA Superfund Site - Airport Property
Tucson, Arizona

		SVE-3, Unit 2/3			SVE-3, Unit 2/3		
	Sample ID:	AI-050625-TF-07			AI-080725-TF-07		
	Sample Date:	05/06/25			08/07/25		
	Status:	Final			Final		
	Flowrate (cfm):		151			119	
Volatile Organic Compounds (VOCs)	Molecular Weights (g/mol)	Concentration (ppbv)		VOC Removal (lbs/day)	Concentration (ppbv)		VOC Removal (lbs/day)
1,1,1-Trichloroethane[1]	133.4	ND	1.3	0.000	ND	1.4	0.000
1,1,2,2-Tetrachloroethane	167.85	ND	1.3	--	ND	1.4	--
1,1,2-Trichloroethane	133.4	ND	1.3	--	ND	1.4	--
1,1-Dichloroethane[1]	98.96	ND	1.3	0.000	ND	1.4	0.000
1,1-Dichloroethene[1]	96.94	ND	1.3	0.000	ND	1.4	0.000
1,2,4-Trichlorobenzene	181.45	ND	5.1	--	ND	5.5	--
1,2,4-Trimethylbenzene	120.19	ND	1.3	--	ND	1.4	--
1,2-Dibromoethane (Ethylene Dibromide)	187.86	ND	1.3	--	ND	1.4	--
1,2-Dichlorobenzene	147	ND	1.3	--	ND	1.4	--
1,2-Dichloroethane[1]	98.96	ND	1.3	0.000	ND	1.4	0.000
1,2-Dichloropropane[1]	112.99	ND	1.3	0.000	ND	1.4	0.000
1,2-Dichlorotetrafluoroethane (CFC 114)	170.92	ND	1.3	--	ND	1.4	--
1,3,5-Trimethylbenzene	120.19	ND	1.3	--	ND	1.4	--
1,3-Butadiene	54.09	ND	1.3	--	ND	1.4	--
1,3-Dichlorobenzene	147	ND	1.3	--	ND	1.4	--
1,4-Dichlorobenzene	147	ND	1.3	--	ND	1.4	--
2,2,4-Trimethylpentane	114.23	ND	1.3	--	ND	1.4	--
2-Butanone (Methyl Ethyl Ketone)[1]	72.11	ND	5.1	0.000	ND	5.5	0.000
2-Hexanone	100.16	ND	5.1	--	ND	5.5	--
4-Ethyl toluene	120.19	ND	1.3	--	ND	1.4	--
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	100.16	ND	1.3	--	ND	1.4	--
Acetone[1]	58.08	ND	13	0.000	--	43	0.001
Allyl chloride	76.53	ND	5.1	--	ND	5.5	--
Benzene[1]	78.11	ND	1.3	0.000	ND	1.4	0.000
Benzyl Chloride	126.58	ND	1.3	--	ND	1.4	--
Bromodichloromethane[1]	163.83	ND	1.3	0.000	ND	1.4	0.000
Bromoform	252.73	ND	1.3	--	ND	1.4	--
Bromomethane (Methyl Bromide)	94.94	ND	13	--	ND	14	--
Carbon disulfide	76.14	ND	5.1	--	ND	5.5	--
Carbon tetrachloride[1]	153.82	--	1.7	0.000	--	1.8	0.000
Chlorobenzene[1]	112.56	ND	1.3	0.000	ND	1.4	0.000
Chloroethane	64.51	ND	5.1	--	ND	5.5	--
Chloroform (Trichloromethane)[1]	119.38	ND	1.3	0.000	--	1.5	0.000
Chloromethane (Methyl Chloride)[1]	50.49	ND	13	0.000	ND	14	0.000
cis-1,2-Dichloroethene[1]	96.94	ND	1.3	0.000	ND	1.4	0.000
cis-1,3-Dichloropropene	110.97	ND	1.3	--	ND	1.4	--
Cyclohexane	84.16	ND	1.3	--	ND	1.4	--
Dibromochloromethane[1]	208.28	ND	1.3	0.000	ND	1.4	0.000
Dichlorodifluoromethane (CFC-12)[1]	120.91	ND	1.3	0.000	ND	1.4	0.000
Ethyl acetate	88.11	ND	5.1	--	ND	5.5	--
Ethylbenzene[1]	106.17	ND	1.3	0.000	ND	1.4	0.000
Hexachlorobutadiene	260.76	ND	5.1	--	ND	5.5	--
Hexane	86.18	ND	1.3	--	ND	1.4	--
Isopropyl Alcohol	60.1	ND	5.1	--	--	8.0	--
m&p-Xylene[1]	106.17	ND	2.5	0.000	ND	2.7	0.000
Methyl Tert Butyl Ether	88.15	ND	5.1	--	ND	5.5	--

Table 5.2
Summary of Analytical Results
TI Zone Unit 2/3 SVE Wells
TIAA Superfund Site - Airport Property
Tucson, Arizona

		SVE-3, Unit 2/3			SVE-3, Unit 2/3		
	Sample ID:	AI-050625-TF-07			AI-080725-TF-07		
	Sample Date:	05/06/25			08/07/25		
	Status:	Final			Final		
	Flowrate (cfm):			151			119
Volatile Organic Compounds (VOCs)	Molecular Weights (g/mol)	Concentration (ppbv)		VOC Removal (lbs/day)	Concentration (ppbv)		VOC Removal (lbs/day)
Methylene chloride[1]	84.93	ND	13	0.000	ND	14	0.000
N-Heptane	100.20	ND	1.3	--	ND	1.4	--
o-Xylene[1]	106.17	ND	1.3	0.000	ND	1.4	0.000
Propylene (Propene)	42.08	ND	5.1	--	ND	5.5	--
Styrene	104.15	ND	1.3	--	ND	1.4	--
Tetrachloroethene[1]	165.83	ND	1.3	0.000	ND	1.4	0.000
Tetrahydrofuran	72.11	ND	1.3	--	ND	1.4	--
Toluene[1]	92.14	ND	2.5	0.000	ND	2.7	0.000
trans-1,2-Dichloroethene[1]	96.94	ND	1.3	0.000	ND	1.4	0.000
trans-1,3-Dichloropropene	110.97	ND	1.3	--	ND	1.4	--
Trichloroethene[1]	131.39	--	11	0.001	--	11	0.001
Trichlorofluoromethane (CFC-11)[1]	137.37	ND	1.3	0.000	ND	1.4	0.000
Trifluorotrichloroethane (Freon 113)[1]	187.38	ND	1.3	0.000	ND	1.4	0.000
Vinyl acetate	86.09	ND	5.1	--	ND	5.5	--
Vinyl chloride[1]	62.50	ND	1.3	0.000	ND	1.4	0.000
Vinyl Bromide (Bromoethene)	106.95	--	--	--	--	--	--
Equivalent Total Pounds per Day [2]				**0.002**			**0.003**

Notes:

TIAA - Tucson International Airport Area
cfm - cubic feet per minute
ppbv - parts per billion by volume
lbs/day - pounds per day
g/mol - grams per mole
[1] Compound of Concern (COC) identified in the Statement of Work, Table 2.3
[2] For the "ND" results, calculated the pounds removed based on one quarter of the detection limit for COCs only
ND - Result was less than the listed laboratory reporting limit.
-- - Mass removal rate not calculated for ND results that are not COCs (See Note 2)
Discharge Performance Standard is 15 lbs/day VOCs

Table 5.2
Summary of Analytical Results
TI Zone Unit 2/3 SVE Wells
TIAA Superfund Site - Airport Property
Tucson, Arizona

		SVE-4, Unit 2/3			SVE-4, Unit 2/3		
	Sample ID:	AI-050625-TF-08			AI-080725-TF-08		
	Sample Date:	05/06/25			08/07/25		
	Status:	Final			Final		
	Flowrate (cfm):			23			23
Volatile Organic Compounds (VOCs)	Molecular Weights (g/mol)	Concentration (ppbv)		VOC Removal (lbs/day)	Concentration (ppbv)		VOC Removal (lbs/day)
1,1,1-Trichloroethane[1]	133.4	ND	1.3	0.000	ND	1.4	0.000
1,1,2,2-Tetrachloroethane	167.85	ND	1.3	--	ND	1.4	--
1,1,2-Trichloroethane	133.4	ND	1.3	--	ND	1.4	--
1,1-Dichloroethane[1]	98.96	ND	1.3	0.000	ND	1.4	0.000
1,1-Dichloroethene[1]	96.94	ND	1.3	0.000	ND	1.4	0.000
1,2,4-Trichlorobenzene	181.45	ND	5.2	--	ND	5.5	--
1,2,4-Trimethylbenzene	120.19	ND	1.3	--	ND	1.4	--
1,2-Dibromoethane (Ethylene Dibromide)	187.86	ND	1.3	--	ND	1.4	--
1,2-Dichlorobenzene	147	ND	1.3	--	ND	1.4	--
1,2-Dichloroethane[1]	98.96	ND	1.3	0.000	ND	1.4	0.000
1,2-Dichloropropane[1]	112.99	--	3.5	0.000	--	3.4	0.000
1,2-Dichlorotetrafluoroethane (CFC 114)	170.92	ND	1.3	--	ND	1.4	--
1,3,5-Trimethylbenzene	120.19	ND	1.3	--	ND	1.4	--
1,3-Butadiene	54.09	ND	1.3	--	ND	1.4	--
1,3-Dichlorobenzene	147	ND	1.3	--	ND	1.4	--
1,4-Dichlorobenzene	147	ND	1.3	--	ND	1.4	--
2,2,4-Trimethylpentane	114.23	ND	1.3	--	ND	1.4	--
2-Butanone (Methyl Ethyl Ketone)[1]	72.11	ND	5.2	0.000	--	16	0.000
2-Hexanone	100.16	ND	5.2	--	ND	5.5	--
4-Ethyl toluene	120.19	ND	1.3	--	ND	1.4	--
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	100.16	ND	1.3	--	--	1.6	--
Acetone[1]	58.08	--	32	0.000	--	97	0.000
Allyl chloride	76.53	ND	5.2	--	ND	5.5	--
Benzene[1]	78.11	ND	1.3	0.000	ND	1.4	0.000
Benzyl Chloride	126.58	ND	1.3	--	ND	1.4	--
Bromodichloromethane[1]	163.83	ND	1.3	0.000	ND	1.4	0.000
Bromoform	252.73	ND	1.3	--	ND	1.4	--
Bromomethane (Methyl Bromide)	94.94	ND	13	--	ND	14	--
Carbon disulfide	76.14	ND	5.2	--	ND	5.5	--
Carbon tetrachloride[1]	153.82	ND	1.3	0.000	ND	1.4	0.000
Chlorobenzene[1]	112.56	ND	1.3	0.000	ND	1.4	0.000
Chloroethane	64.51	ND	5.2	--	ND	5.5	--
Chloroform (Trichloromethane)[1]	119.38	--	43	0.000	--	46	0.000
Chloromethane (Methyl Chloride)[1]	50.49	ND	13	0.000	ND	14	0.000
cis-1,2-Dichloroethene[1]	96.94	ND	1.3	0.000	ND	1.4	0.000
cis-1,3-Dichloropropene	110.97	ND	1.3	--	ND	1.4	--
Cyclohexane	84.16	ND	1.3	--	ND	1.4	--
Dibromochloromethane[1]	208.28	ND	1.3	0.000	ND	1.4	0.000
Dichlorodifluoromethane (CFC-12)[1]	120.91	ND	1.3	0.000	ND	1.4	0.000
Ethyl acetate	88.11	ND	5.2	--	ND	5.5	--
Ethylbenzene[1]	106.17	ND	1.3	0.000	ND	1.4	0.000
Hexachlorobutadiene	260.76	ND	5.2	--	ND	5.5	--
Hexane	86.18	ND	1.3	--	ND	1.4	--
Isopropyl Alcohol	60.1	ND	5.2	--	--	12	--
m&p-Xylene[1]	106.17	ND	2.6	0.000	ND	2.7	0.000
Methyl Tert Butyl Ether	88.15	ND	5.2	--	ND	5.5	--

Table 5.2
Summary of Analytical Results
TI Zone Unit 2/3 SVE Wells
TIAA Superfund Site - Airport Property
Tucson, Arizona

		SVE-4, Unit 2/3			SVE-4, Unit 2/3		
	Sample ID:	AI-050625-TF-08			AI-080725-TF-08		
	Sample Date:	05/06/25			08/07/25		
	Status:	Final			Final		
	Flowrate (cfm):			23			23
Volatile Organic Compounds (VOCs)	Molecular Weights (g/mol)	Concentration (ppbv)		VOC Removal (lbs/day)	Concentration (ppbv)		VOC Removal (lbs/day)
Methylene chloride[1]	84.93	ND	13	0.000	ND	14	0.000
N-Heptane	100.20	ND	1.3	--	ND	1.4	--
o-Xylene[1]	106.17	ND	1.3	0.000	ND	1.4	0.000
Propylene (Propene)	42.08	ND	5.2	--	ND	5.5	--
Styrene	104.15	ND	1.3	--	ND	1.4	--
Tetrachloroethene[1]	165.83	ND	1.3	0.000	ND	1.4	0.000
Tetrahydrofuran	72.11	ND	1.3	--	--	1.4	--
Toluene[1]	92.14	ND	2.6	0.000	ND	2.7	0.000
trans-1,2-Dichloroethene[1]	96.94	ND	1.3	0.000	ND	1.4	0.000
trans-1,3-Dichloropropene	110.97	ND	1.3	--	ND	1.4	--
Trichloroethene[1]	131.39	--	34	0.000	--	35	0.000
Trichlorofluoromethane (CFC-11)[1]	137.37	ND	1.3	0.000	ND	1.4	0.000
Trifluorotrichloroethane (Freon 113)[1]	187.38	ND	1.3	0.000	ND	1.4	0.000
Vinyl acetate	86.09	ND	5.2	--	ND	5.5	--
Vinyl chloride[1]	62.50	ND	1.3	0.000	ND	1.4	0.000
Vinyl Bromide (Bromoethene)	106.95	--	--	--	--	--	--
Equivalent Total Pounds per Day [2]				**0.001**			**0.002**

Notes:

TIAA - Tucson International Airport Area
cfm - cubic feet per minute
ppbv - parts per billion by volume
lbs/day - pounds per day
g/mol - grams per mole
[1] Compound of Concern (COC) identified in the Statement of Work, Table 2.3
[2] For the "ND" results, calculated the pounds removed based on one quarter of the detection limit for COCs only
ND - Result was less than the listed laboratory reporting limit.
-- - Mass removal rate not calculated for ND results that are not COCs (See Note 2)
Discharge Performance Standard is 15 lbs/day VOCs

Table 5.3
Summary of Analytical Results
TI Zone SVE GAC Influent
TIAA Superfund Site - Airport Property
Tucson, Arizona

	Sample ID:	AI-050625-TF-03			AI-020525-TF-03		
	Sample Date:	05/06/25			08/07/25		
	Status:	Final			Final		
	Flowrate (cfm):			332			301
Volatile Organic Compounds (VOCs)	Molecular Weights (g/mol)	Concentration (ppbv)		VOC Removal (lbs/day)	Concentration (ppbv)		VOC Removal (lbs/day)
1,1,1-Trichloroethane[1]	133.4	ND	1.5	0.000	ND	1.2	0.000
1,1,2,2-Tetrachloroethane	167.85	ND	1.5	--	ND	1.2	--
1,1,2-Trichloroethane	133.4	ND	1.5	--	ND	1.2	--
1,1-Dichloroethane[1]	98.96	ND	1.5	0.000	ND	1.2	0.000
1,1-Dichloroethene[1]	96.94	ND	1.5	0.000	ND	1.2	0.000
1,2,4-Trichlorobenzene	181.45	ND	6.0	--	ND	4.7	--
1,2,4-Trimethylbenzene	120.19	ND	1.5	--	ND	1.2	--
1,2-Dibromoethane (Ethylene Dibromide)	187.86	ND	1.5	--	ND	1.2	--
1,2-Dichlorobenzene	147	ND	1.5	--	ND	1.2	--
1,2-Dichloroethane[1]	98.96	ND	1.5	0.000	ND	1.2	0.000
1,2-Dichloropropane[1]	112.99	ND	1.5	0.000	ND	1.2	0.000
1,2-Dichlorotetrafluoroethane (CFC 114)	170.92	ND	1.5	--	ND	1.2	--
1,3,5-Trimethylbenzene	120.19	ND	1.5	--	ND	1.2	--
1,3-Butadiene	54.09	ND	1.5	--	ND	1.2	--
1,3-Dichlorobenzene	147	ND	1.5	--	ND	1.2	--
1,4-Dichlorobenzene	147	ND	1.5	--	ND	1.2	--
2,2,4-Trimethylpentane	114.23	ND	1.5	--	ND	1.2	--
2-Butanone (Methyl Ethyl Ketone)[1]	72.11	ND	6.0	0.000	--	6.2	0.000
2-Hexanone	100.16	ND	6.0	--	ND	4.7	--
4-Ethyl toluene	120.19	ND	1.5	--	ND	1.2	--
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	100.16	ND	1.5	--	ND	1.2	--
Acetone[1]	58.08	--	38	0.003	--	37	0.002
Allyl chloride	76.53	ND	6.0	--	ND	4.7	--
Benzene[1]	78.11	ND	1.5	0.000	ND	1.2	0.000
Benzyl Chloride	126.58	ND	1.5	--	ND	1.2	--
Bromodichloromethane[1]	163.83	ND	1.5	0.000	ND	1.2	0.000
Bromoform	252.73	ND	1.5	--	ND	1.2	--
Bromomethane (Methyl Bromide)	94.94	ND	15	--	ND	12	--
Carbon disulfide	76.14	ND	6.0	--	ND	4.7	--
Carbon tetrachloride[1]	153.82	ND	1.5	0.000	ND	1.2	0.000
Chlorobenzene[1]	112.56	ND	1.5	0.000	ND	1.2	0.000
Chloroethane	64.51	ND	6.0	--	ND	4.7	--
Chloroform (Trichloromethane)[1]	119.38	--	4.8	0.001	--	5.4	0.001
Chloromethane (Methyl Chloride)[1]	50.49	ND	15	0.000	ND	12	0.000
cis-1,2-Dichloroethene[1]	96.94	ND	1.5	0.000	ND	1.2	0.000
cis-1,3-Dichloropropene	110.97	ND	1.5	--	ND	1.2	--
Cyclohexane	84.16	ND	1.5	--	ND	1.2	--
Dibromochloromethane[1]	208.28	ND	1.5	0.000	ND	1.2	0.000
Dichlorodifluoromethane (CFC-12)[1]	120.91	ND	1.5	0.000	ND	1.2	0.000
Ethyl acetate	88.11	ND	6.0	--	ND	4.7	--
Ethylbenzene[1]	106.17	ND	1.5	0.000	ND	1.2	0.000
Hexachlorobutadiene	260.76	ND	6.0	--	ND	4.7	--
Hexane	86.18	ND	1.5	--	ND	1.2	--
Isopropyl Alcohol	60.1	ND	6.0	--	ND	4.7	--
m&p-Xylene[1]	106.17	ND	3.0	0.000	ND	2.3	0.000
Methyl Tert Butyl Ether	88.15	ND	6.0	--	ND	4.7	--
Methylene chloride[1]	84.93	ND	15	0.000	ND	12	0.000

Table 5.3
Summary of Analytical Results
TI Zone SVE GAC Influent
TIAA Superfund Site - Airport Property
Tucson, Arizona

	Sample ID:	AI-050625-TF-03			AI-020525-TF-03		
	Sample Date:	05/06/25			08/07/25		
	Status:	Final			Final		
	Flowrate (cfm):			332			301
Volatile Organic Compounds (VOCs)	Molecular Weights (g/mol)	Concentration (ppbv)		VOC Removal (lbs/day)	Concentration (ppbv)		VOC Removal (lbs/day)
N-Heptane	100.20	ND	1.5	--	ND	1.2	--
o-Xylene[1]	106.17	ND	1.5	0.000	ND	1.2	0.000
Propylene (Propene)	42.08	ND	6.0	--	ND	4.7	--
Styrene	104.15	ND	1.5	--	ND	1.2	--
Tetrachloroethene[1]	165.83	ND	1.5	0.000	ND	1.2	0.000
Tetrahydrofuran	72.11	ND	1.5	--	ND	1.2	--
Toluene[1]	92.14	ND	3.0	0.000	ND	2.3	0.000
trans-1,2-Dichloroethene[1]	96.94	ND	1.5	0.000	ND	1.2	0.000
trans-1,3-Dichloropropene	110.97	ND	1.5	--	ND	1.2	--
Trichloroethene[1]	131.39	--	9.3	0.001	--	8.1	0.001
Trichlorofluoromethane (CFC-11)[1]	137.37	ND	1.5	0.000	ND	1.2	0.000
Trifluorotrichloroethane (Freon 113)[1]	187.38	ND	1.5	0.000	ND	1.2	0.000
Vinyl acetate	86.09	ND	6.0	--	ND	4.7	--
Vinyl chloride[1]	62.50	ND	1.5	0.000	ND	1.2	0.000
Vinyl Bromide (Bromoethene)	106.95	--	--	--	--	--	--
Equivalent Total Pounds per Day [2]				**0.007**			**0.006**

Notes:

TIAA - Tucson International Airport Area
cfm - cubic feet per minute
ppbv - parts per billion by volume
lbs/day - pounds per day
g/mol - grams per mole
[1] Compound of Concern (COC) identified in the Statement of Work, Table 2.3
[2] For the "ND" results, calculates the pounds removed based on one quarter of the detection limit for COCs only
ND - Result was less than the listed laboratory reporting limit.
-- - Mass removal rate not calculated for ND results that are not COCs (See Note 2)
Based on a molecular weight and calculation audit, a discrepancy of 0.0007 pounds/day exists in the monthly calculated VOC mass removal
Discharge Performance Standard is 15 lbs/day VOCs

Table 5.4

Summary of Analytical Results
TI Zone SVE GAC Off-Gas
TIAA Superfund Site - Airport Property
Tucson, Arizona

	Sample ID:	AE-050625-TF-04			AE-080725-TF-04		
	Sample Date:	05/06/25			08/07/25		
	Status:	Final			Final		
	Flowrate (cfm):			332			301
Volatile Organic Compounds (VOCs)	Molecular Weights	Concentration (ppbv)		VOC Removal (lbs/day)	Concentration (ppbv)		VOC Removal (lbs/day)
1,1,1-Trichloroethane[1]	133.4	ND	1.4	0.000	ND	1.2	0.000
1,1,2,2-Tetrachloroethane	167.85	ND	1.4	--	ND	1.2	--
1,1,2-Trichloroethane	133.4	ND	1.4	--	ND	1.2	--
1,1-Dichloroethane[1]	98.96	ND	1.4	0.000	ND	1.2	0.000
1,1-Dichloroethene[1]	96.94	ND	1.4	0.000	ND	1.2	0.000
1,2,4-Trichlorobenzene	181.45	ND	5.4	--	ND	4.9	--
1,2,4-Trimethylbenzene	120.19	ND	1.4	--	ND	1.2	--
1,2-Dibromoethane (Ethylene Dibromide)	187.86	ND	1.4	--	ND	1.2	--
1,2-Dichlorobenzene	147	ND	1.4	--	ND	1.2	--
1,2-Dichloroethane[1]	98.96	ND	1.4	0.000	ND	1.2	0.000
1,2-Dichloropropane[1]	112.99	ND	1.4	0.000	ND	1.2	0.000
1,2-Dichlorotetrafluoroethane (CFC 114)	170.92	ND	1.4	--	ND	1.2	--
1,3,5-Trimethylbenzene	120.19	ND	1.4	--	ND	1.2	--
1,3-Butadiene	54.09	ND	1.4	--	ND	1.2	--
1,3-Dichlorobenzene	147	ND	1.4	--	ND	1.2	--
1,4-Dichlorobenzene	147	ND	1.4	--	ND	1.2	--
2,2,4-Trimethylpentane	114.23	ND	1.4	--	ND	1.2	--
2-Butanone (Methyl Ethyl Ketone)[1]	72.11	ND	5.4	0.000	ND	4.9	0.000
2-Hexanone	100.16	ND	5.4	--	ND	4.9	--
4-Ethyl toluene	120.19	ND	1.4	--	ND	1.2	--
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	100.16	ND	1.4	--	ND	1.2	--
Acetone[1]	58.08	--	50	0.004	--	15	0.001
Allyl chloride	76.53	ND	5.4	--	ND	4.9	--
Benzene[1]	78.11	ND	1.4	0.000	ND	1.2	0.000
Benzyl Chloride	126.58	ND	1.4	--	ND	1.2	--
Bromodichloromethane[1]	163.83	ND	1.4	0.000	ND	1.2	0.000
Bromoform	252.73	ND	1.4	--	ND	1.2	--
Bromomethane (Methyl Bromide)	94.94	ND	14	--	ND	12	--
Carbon disulfide	76.14	ND	5.4	--	--	42	--
Carbon tetrachloride[1]	153.82	ND	1.4	0.000	ND	1.2	0.000
Chlorobenzene[1]	112.56	ND	1.4	0.000	ND	1.2	0.000
Chloroethane	64.51	ND	5.4	--	ND	4.9	--
Chloroform (Trichloromethane)[1]	119.38	ND	1.4	0.000	ND	1.2	0.000
Chloromethane (Methyl Chloride)[1]	50.49	ND	14	0.000	ND	12	0.000
cis-1,2-Dichloroethene[1]	96.94	ND	1.4	0.000	ND	1.2	0.000
cis-1,3-Dichloropropene	110.97	ND	1.4	--	ND	1.2	--
Cyclohexane	84.16	ND	1.4	--	ND	1.2	--
Dibromochloromethane[1]	208.28	ND	1.4	0.000	ND	1.2	0.000
Dichlorodifluoromethane (CFC-12)[1]	120.91	ND	1.4	0.000	ND	1.2	0.000
Ethyl acetate	88.11	ND	5.4	--	ND	4.9	--
Ethylbenzene[1]	106.17	ND	1.4	0.000	ND	1.2	0.000
Hexachlorobutadiene	260.76	ND	5.4	--	ND	4.9	--
Hexane	86.18	ND	1.4	--	ND	1.2	--
Isopropyl Alcohol	60.1	ND	5.4	--	ND	4.9	--
m&p-Xylene[1]	106.17	ND	2.7	0.000	ND	2.5	0.000
Methyl Tert Butyl Ether	88.15	ND	5.4	--	ND	4.9	--
Methylene chloride[1]	84.93	ND	14	0.000	ND	12	0.000
N-Heptane	100.20	ND	1.4	--	ND	1.2	--

Table 5.4
Summary of Analytical Results
TI Zone SVE GAC Off-Gas
TIAA Superfund Site - Airport Property
Tucson, Arizona

	Sample ID:	AE-050625-TF-04			AE-080725-TF-04		
	Sample Date:	05/06/25			08/07/25		
	Status:	Final			Final		
	Flowrate (cfm):			332			301
Volatile Organic Compounds (VOCs)	Molecular Weights	Concentration (ppbv)		VOC Removal (lbs/day)	Concentration (ppbv)		VOC Removal (lbs/day)
o-Xylene[1]	106.17	ND	1.4	0.000	ND	1.2	0.000
Propylene (Propene)	42.08	ND	5.4	--	ND	4.9	--
Styrene	104.15	ND	1.4	--	ND	1.2	--
Tetrachloroethene[1]	165.83	ND	1.4	0.000	ND	1.2	0.000
Tetrahydrofuran	72.11	ND	1.4	--	ND	1.2	--
Toluene[1]	92.14	ND	2.7	0.000	ND	2.5	0.000
trans-1,2-Dichloroethene[1]	96.94	ND	1.4	0.000	ND	1.2	0.000
trans-1,3-Dichloropropene	110.97	ND	1.4	--	ND	1.2	--
Trichloroethene[1]	131.39	ND	1.4	0.000	ND	1.2	0.000
Trichlorofluoromethane (CFC-11)[1]	137.37	ND	1.4	0.000	ND	1.2	0.000
Trifluorotrichloroethane (Freon 113)[1]	187.38	ND	1.4	0.000	ND	1.2	0.000
Vinyl acetate	86.09	ND	5.4	--	ND	4.9	--
Vinyl chloride[1]	62.50	ND	1.4	0.000	ND	1.2	0.000
Vinyl Bromide (Bromoethene)	106.95	--	--	--	--	--	--
Equivalent Total Pounds per Day [2]				**0.006**			**0.003**

Notes:

TIAA - Tucson International Airport Area
cfm - cubic feet per minute
ppbv - parts per billion by volume
lbs/day - pounds per day
[1] Compound of Concern (COC) identified in the Statement of Work, Table 2.3
[2] For the "ND" results, calculates the pounds removed based on one quarter of the detection limit for COCs only
ND - Result was less than the listed laboratory reporting limit.
-- - Mass removal rate not calculated for ND results that are not COCs (See Note 2)
Discharge Performance Standard is 15 lbs/day VOCs

Table 5.5
Summary of Proposed TI Zone and RRS SVE Remedy Sampling and Analysis Schedule
1-Year Period from November 2025 through October 2026
TIAA Superfund Site - Airport Property
Tucson, Arizona

Sample Location	Frequency	Sample Port/Well ID	Field Parameters	Laboratory Parameters	Intended Data Usage	Monitoring Samples	QC Samples: Field Blank	QC Samples: Field Duplicate	QC Samples: MS/MSD	Total Per Year
Soil Vapor Extraction (SVE) Well Sampling										
SVE-1, 2, 3, 4	Quarterly	Unit 2/3	--	(1)	Assess VOC removal concentrations	4	0	0	0	16
Treatment System Sampling										
GAC Influent	Quarterly	GAC Influent Sample Port	--	(1)	Assess influent to GAC treatment system	1	0	0	0	4
GAC Off-Gas	Quarterly	GAC Discharge Sample Port	--	(1)	Assess carbon breakthrough	1	0	0	0	4
Vacuum Pressure Determination at Soil Gas Monitoring Wells										
S-5	Semi-annually	All Sample Ports	Vacuum	--	Evaluate radius of influence	5	--	--	--	10
S-10	Semi-annually	All Sample Ports	Vacuum	--	Evaluate radius of influence	5	--	--	--	10
S-11	Semi-annually	All Sample Ports	Vacuum	--	Evaluate radius of influence	5	--	--	--	10
S-16	Semi-annually	All Sample Ports	Vacuum	--	Evaluate radius of influence	5	--	--	--	10
S-6	Semi-annually	All Sample Ports	Vacuum	--	Evaluate radius of influence	5	--	--	--	10
S-14	Semi-annually	All Sample Ports	Vacuum	--	Evaluate radius of influence	5	--	--	--	10
S-27	Semi-annually	All Sample Ports	Vacuum	--	Evaluate radius of influence	5	--	--	--	10
RRS Multi-Port Soil Gas Observation Well Sampling										
S-1	Annually	All Sample Ports	--	COCs	Assess soil gas COCs	5	0	1	--	6
S-7	Annually	All Sample Ports	--	COCs	Assess soil gas COCs	5	0	0	--	5
S-12	Semi-annually	All Sample Ports	--	COCs	Assess soil gas COCs	10	1	1	--	12

Notes:

TI Zone - Technical Impracticability Zone
TIAA - Tucson International Airport Area
QC - Quality Control
MS/MSD - Method Spike/Method Spike Duplicate
VOC - Volatile Organic Compound
GAC - Granular Activated Carbon
COCs - Location specific Contaminants of Concern (Section 6)
-- - Not Sampled
(1) Analyze for the volatile organic compounds listed in Table 2.6 of Quality Assurance Project Plan (QAPP) (CRA, 2007b)

Table 6.1

Summary of Analytical Results
RRS GAC Influent
TIAA Superfund Site - Airport Property
Tucson, Arizona

	Sample Location:		
	Sample ID:		
	Sample Date:		
	Status:		
	Flowrate (cfm):		
Volatile Organic Compounds (VOCs)[3]	Molecular Weights		

This table has been removed from this report

Table 6.2

Summary of Analytical Results
RRS GAC Off-Gas
TIAA Superfund Site - Airport Property
Tucson, Arizona

	Sample Location:		
	Sample ID:		
	Sample Date:		
	Status:		
	Flowrate (cfm):		
Volatile Organic Compounds (VOCs)[1]	Molecular Weights		

This table has been removed from this report

Table 6.3
Historical Soil Gas Data at MPSG/Monitoring Wells S-1, S-7, and S-12
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	1,1-DCE	1,1,2-TCA	Benzene	Ethylbenzene	Methylene Chloride	PCE	TCE
S-1	S-1, Port 1	03/21/07	--	ND(200)	ND(200)	560	--	--	95
	S-1, Port 1	11/13/12	--	ND(0.40)	ND(0.40)	ND(0.40)	--	--	2.4
	S-1, Port 1	04/07/15	--	ND(0.40)	ND(0.40)	ND(0.40)	--	--	5.0
	S-1, Port 1	08/04/16	--	ND(0.40)	14 J	3.3 J	--	--	4.6 J
	S-1, Port 1	08/11/17	--	ND(0.40)	ND(0.40)	ND(0.40)	--	--	2.3
	S-1, Port 1	08/03/18	--	ND(0.40)	ND(0.40)	ND(0.40)	--	--	4.7
	S-1, Port 1	08/17/21	--	ND(0.85)	ND(0.85)	ND(0.85)	--	--	ND(0.85)
	S-1, Port 1	07/28/22	--	ND(0.81)	ND(0.81)	ND(0.81)	--	--	1.6
	S-1 Port 1	08/18/23	--	ND(0.86)	ND(0.86)	ND(0.86)	--	--	ND(0.86)
	S-1 Port 1	04/30/24	--	ND(1.2)	ND(1.2)	ND(1.2)	--	--	2.6
	S-1 Port 1	05/14/25	--	ND(1.2)	ND(1.2)	ND(1.2)	--	--	ND(1.2)
	S-1, Port 2	03/21/07	--	ND(470)	3300	40000	--	--	ND(470)
	S-1, Port 2	11/13/12	--	ND(0.40)	1.9	8.8	--	--	ND(0.40)
	S-1, Port 2	04/07/15	--	ND(0.40)	0.63	2.6	--	--	ND(0.40)
	S-1, Port 2	08/04/16	--	ND(0.40)	8.0	54	--	--	1.8
	S-1, Port 2	08/11/17	--	ND(47)	830	4100	--	--	ND(47)
	S-1, Port 2	08/03/18	--	ND(140)	1200	6900	--	--	ND(140)
	S-1, Port 2	08/17/21	--	ND(16)	860	5000	--	--	47
	S-1, Port 2	07/28/22	--	ND(18)	780	4900	--	--	43
	S-1 Port 2	08/18/23	--	ND(16)	810	4100	--	--	40
	S-1 Port 2	04/30/24	--	ND(58)	1000	5200	--	--	ND(58)
	S-1 Port 2	05/14/25	--	ND(16)	560	2900	--	--	39
	S-1, Port 3	03/21/07	--	ND(2.0)	18	7.4	--	--	1.2 J
	S-1, Port 3	11/13/12	--	ND(0.40)	ND(0.40)	ND(0.40)	--	--	3.4 J
	S-1, Port 3	04/07/15	--	ND(0.40)	ND(0.40)	ND(0.40)	--	--	3.0
	S-1, Port 3	08/04/16	--	ND(0.40)	ND(0.40)	ND(0.40)	--	--	6.5
	S-1, Port 3	08/11/17	--	ND(0.40)	ND(0.40)	1.2	--	--	3.3
	S-1, Port 3	08/03/18	--	ND(72)	ND(72)	ND(72)	--	--	ND(72)
	S-1, Port 3	08/17/21	--	ND(2.3)	3.6	9.0	--	--	22
	S-1, Port 3	07/28/22	--	ND(3.4)	4.2	7	--	--	13
	S-1 Port 3	08/18/23	--	ND(12)	ND(12)	ND(12)	--	--	ND(12)
	S-1 Port 3	04/30/24	--	ND(1.2)	ND(1.2)	ND(1.2)	--	--	4.1
	S-1 Port 3	05/14/25	--	ND(3.0)	ND(3.0)	3.6	--	--	11
	S-1, Port 4	03/21/07	--	ND(94)	ND(94)	ND(94)	--	--	ND(94)
	S-1, Port 4	11/13/12	--	ND(0.40)	0.44 J	ND(0.40)	--	--	1.9 J
	S-1, Port 4	04/07/15	--	ND(0.40)	0.61	ND(0.40)	--	--	0.45
	S-1, Port 4	08/04/16	--	ND(0.40)	ND(0.40)	ND(0.40)	--	--	2.5
	S-1, Port 4	08/11/17	--	ND(0.40)	0.73	ND(0.40)	--	--	3.1
	S-1, Port 4	08/03/18	--	ND(35)	ND(35)	ND(35)	--	--	ND(35)
	S-1, Port 4[a]	08/03/18	--	ND(57)	ND(57)	ND(57)	--	--	ND(57)
	S-1, Port 4	08/17/21	--	ND(3.0)	3.6	5.3	--	--	5.3
	S-1, Port 4[c]	09/12/22	--	ND(3.5)	ND(3.5)	ND(3.5)	--	--	5.9
	S-1 Port 4	08/18/23	--	ND(600)	ND(600)	ND(600)	--	--	ND(600)
	S-1 Port 4	04/30/24	--	ND(5.6)	ND(5.6)	ND(5.6)	--	--	ND(5.6)
	S-1 Port 4	05/14/25	--	ND(3.9)	ND(3.9)	ND(3.9)	--	--	4.4
	S-1, Port 5	03/21/07	--	ND(15)	9.9 J	780	--	--	ND(15)
	S-1, Port 5	11/13/12	--	ND(0.40)	ND(0.40)	ND(0.40)	--	--	ND(0.40)
	S-1, Port 5	04/07/15	--	ND(0.40)	ND(0.40)	ND(0.40)	--	--	ND(0.40)
	S-1, Port 5	08/04/16	--	ND(0.40)	ND(0.40)	ND(0.40)	--	--	ND(0.40)
	S-1, Port 5	08/11/17	--	ND(0.40)	ND(0.40)	0.54	--	--	ND(0.40)
	S-1, Port 5	08/03/18	--	ND(0.40)	ND(0.40)	ND(0.40)	--	--	ND(0.40)
S-1 (cont'd)	S-1, Port 5[c]	10/08/21	--	ND(0.88)	ND(0.88)	ND(0.88)	--	--	ND(0.88)

Table 6.3
Historical Soil Gas Data at MPSG/Monitoring Wells S-1, S-7, and S-12
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	1,1-DCE	1,1,2-TCA	Benzene	Ethylbenzene	Methylene Chloride	PCE	TCE
	S-1, Port 5	07/28/22	--	ND(0.86)	ND(0.86)	ND(0.86)	--	--	ND(0.86)
	S-1 Port 5	08/18/23	--	ND(19)	ND(19)	ND(19)	--	--	ND(19)
	S-1 Port 5	04/30/24	--	ND(1.2)	ND(1.2)	ND(1.2)	--	--	ND(1.2)
	S-1 Port 5	05/14/25	--	ND(1.2)	ND(1.2)	ND(1.2)	--	--	ND(1.2)
	S-1 Port 5	05/14/25	--	ND(1.2)	ND(1.2)	ND(1.2)	--	--	ND(1.2)
S-7	S-7, Port 1	03/21/07	600	--	--	59	--	430	--
	S-7, Port 1	02/06/09	ND(0.50)	--	--	ND(0.50)	--	ND(0.50)	--
	S-7, Port 1	02/04/10	ND(0.50)	--	--	ND(0.50)	--	ND(0.50)	--
	S-7, Port 1	09/23/11	ND(5.0)	--	--	ND(5.0)	--	ND(5.0)	--
	S-7, Port 1	08/07/12	ND(0.50)	--	--	ND(0.50)	--	ND(0.50)	--
	S-7, Port 1	09/30/13	ND(0.40)	--	--	ND(0.20)	--	ND(0.20)	--
	S-7, Port 1	08/15/14	ND(1.4)	--	--	0.52 J	--	4.0 J	--
	S-7, Port 1	08/13/15	ND(0.80)	--	--	ND(0.40)	--	ND(0.40)	--
	S-7, Port 1	08/04/16	ND(0.80)	--	--	ND(0.40)	--	ND(0.40)	--
	S-7, Port 1	08/11/17	ND(0.80)	--	--	0.57	--	ND(0.40)	--
	S-7, Port 1	08/06/18	ND(0.80)	--	--	ND(0.40)	--	ND(0.40)	--
	S-7, Port 1	08/12/19	ND(0.80)	--	--	ND(0.40)	--	ND(0.40)	--
	S-7, Port 1[b]	08/05/20	ND(2.3)	--	--	ND(1.2)	--	ND(1.2)	--
	S-7 Port 1	05/01/24	ND(1.3)	--	--	ND(1.3)	--	ND(1.3)	--
	S-7 Port 1	05/13/25	ND(1.2)	--	--	ND(1.2)	--	ND(1.2)	--
	S-7, Port 2	03/21/07	9800	--	--	79	--	600	--
	S-7, Port 2	02/06/09	64	--	--	ND(9.9)	--	14	--
	S-7, Port 2	02/04/10	7.1	--	--	ND(0.50)	--	3.5	--
	S-7, Port 2	09/23/11	ND(5.0)	--	--	ND(5.0)	--	ND(5.0)	--
	S-7, Port 2	08/07/12	3.2	--	--	0.75	--	0.52	--
	S-7, Port 2	09/30/13	2.4	--	--	ND(0.20)	--	0.44	--
	S-7, Port 2	08/15/14	ND(2.0)	--	--	8.9	--	1.0	--
	S-7, Port 2	08/13/15	0.98	--	--	ND(0.40)	--	ND(0.40)	--
	S-7, Port 2	08/04/16	ND(0.80)	--	--	ND(0.40)	--	ND(0.40)	--
	S-7, Port 2	08/11/17	ND(0.80)	--	--	ND(0.40)	--	ND(0.40)	--
	S-7, Port 2	08/06/18	ND(0.80)	--	--	ND(0.40)	--	ND(0.40)	--
	S-7, Port 2	08/12/19	ND(0.80)	--	--	ND(0.40)	--	ND(0.40)	--
	S-7, Port 2[b]	08/05/20	ND(2.2)	--	--	ND(1.1)	--	ND(1.1)	--
	S-7 Port 2	05/01/24	ND(1.2)	--	--	ND(1.2)	--	ND(1.2)	--
	S-7 Port 2	05/13/25	ND(1.2)	--	--	ND(1.2)	--	ND(1.2)	--
	S-7, Port 3	03/21/07	520	--	--	120	--	44	--
	S-7, Port 3	02/06/09	ND(0.50)	--	--	ND(0.50)	--	ND(0.50)	--
	S-7, Port 3	02/04/10	ND(0.50)	--	--	ND(0.50)	--	ND(0.50)	--
	S-7, Port 3	09/23/11	ND(0.50)	--	--	ND(0.50)	--	ND(0.50)	--
	S-7, Port 3	08/07/12	ND(0.50)	--	--	0.55	--	ND(0.50)	--
	S-7, Port 3	09/30/13	ND(0.40)	--	--	ND(0.20)	--	0.23	--
	S-7, Port 3	08/15/14	ND(2.0)	--	--	ND(1.0)	--	ND(1.0)	--
	S-7, Port 3	08/13/15	ND(0.98)	--	--	ND(0.49)	--	ND(0.49)	--
	S-7, Port 3	08/04/16	ND(0.80)	--	--	ND(0.40)	--	ND(0.40)	--
	S-7, Port 3	08/11/17	ND(0.80)	--	--	ND(0.40)	--	ND(0.40)	--
	S-7, Port 3	08/06/18	ND(0.80)	--	--	3.3	--	ND(0.40)	--
	S-7, Port 3	08/12/19	ND(0.80)	--	--	ND(0.40)	--	ND(0.40)	--
	S-7, Port 3[b]	08/05/20	ND(2.2)	--	--	ND(1.1)	--	ND(1.1)	--
	S-7 Port 3	05/01/24	ND(1.1)	--	--	ND(1.1)	--	ND(1.1)	--
	S-7 Port 3	05/13/25	ND(1.2)	--	--	ND(1.2)	--	ND(1.2)	--
	S-7, Port 4	03/21/07	110	--	--	66	--	15	--
	S-7, Port 4	02/06/09	ND(0.50)	--	--	ND(0.50)	--	ND(0.50)	--

Table 6.3
Historical Soil Gas Data at MPSG/Monitoring Wells S-1, S-7, and S-12
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	1,1-DCE	1,1,2-TCA	Benzene	Ethylbenzene	Methylene Chloride	PCE	TCE
S-7 (cont'd)	S-7, Port 4	02/04/10	ND(0.50)	--	--	ND(0.50)	--	ND(0.50)	--
	S-7, Port 4	09/23/11	ND(0.50)	--	--	ND(0.50)	--	ND(0.50)	--
	S-7, Port 4	08/07/12	ND(0.50)	--	--	ND(0.50)	--	ND(0.50)	--
	S-7, Port 4	09/30/13	ND(0.40)	--	--	ND(0.20)	--	ND(0.20)	--
	S-7, Port 4	08/15/14	ND(0.80)	--	--	ND(0.40)	--	ND(0.40)	--
	S-7, Port 4	08/13/15	ND(0.80)	--	--	ND(0.40)	--	ND(0.40)	--
	S-7, Port 4	08/04/16	ND(0.80)	--	--	ND(0.40)	--	ND(0.40)	--
	S-7, Port 4	08/11/17	ND(0.80)	--	--	ND(0.40)	--	ND(0.40)	--
	S-7, Port 4	08/06/18	ND(0.80)	--	--	ND(0.40)	--	ND(0.40)	--
	S-7, Port 4	08/12/19	ND(0.80)	--	--	ND(0.40)	--	ND(0.40)	--
	S-7, Port 4[b]	08/05/20	ND(2.2)	--	--	ND(1.1)	--	ND(1.1)	--
	S-7 Port 4	05/01/24	ND(1.2)	--	--	ND(1.2)	--	ND(1.2)	--
	S-7 Port 4	05/13/25	ND(1.2)	--	--	ND(1.2)	--	ND(1.2)	--
	S-7, Port 5	03/21/07	19	--	--	81	--	7.8	--
	S-7, Port 5	02/06/09	ND(0.50)	--	--	ND(0.50)	--	ND(0.50)	--
	S-7, Port 5	02/04/10	ND(0.50)	--	--	0.50	--	ND(0.50)	--
	S-7, Port 5	09/23/11	ND(2.5)	--	--	ND(2.5)	--	ND(2.5)	--
	S-7, Port 5	08/07/12	ND(0.50)	--	--	ND(0.50)	--	2.8	--
	S-7, Port 5	09/30/13	ND(0.40)	--	--	ND(0.20)	--	ND(0.20)	--
	S-7, Port 5	08/15/14	ND(0.80)	--	--	ND(0.40)	--	ND(0.40)	--
	S-7, Port 5	08/13/15	ND(0.80)	--	--	ND(0.40)	--	ND(0.40)	--
	S-7, Port 5	08/04/16	ND(0.80)	--	--	ND(0.40)	--	ND(0.40)	--
	S-7, Port 5	08/11/17	ND(0.80)	--	--	1.4	--	ND(0.40)	--
	S-7, Port 5	08/06/18	ND(0.80)	--	--	ND(0.40)	--	ND(0.40)	--
	S-7, Port 5	08/12/19	ND(0.80)	--	--	ND(0.40)	--	ND(0.40)	--
	S-7, Port 5[b]	08/05/20	ND(2.3)	--	--	ND(1.2)	--	ND(1.2)	--
	S-7 Port 5	05/01/24	ND(1.1)	--	--	ND(1.1)	--	ND(1.1)	--
	S-7 Port 5	05/13/25	ND(1.2)	--	--	ND(1.2)	--	ND(1.2)	--
S-12	S-12, Port 1	03/21/07	--	--	--	--	6.1	910	980
	S-12, Port 1	10/21/10	--	--	--	--	0.60	ND(0.50)	ND(0.50)
	S-12, Port 1	01/23/13	--	--	--	--	ND(0.40)	0.48	ND(0.40)
	S-12, Port 1	08/15/14	--	--	--	--	ND(0.40)	ND(0.40)	0.68
	S-12, Port 1	08/13/15	--	--	--	--	ND(0.40)	0.45	1.3
	S-12, Port 1	08/12/19	--	--	--	--	ND(0.40)	ND(0.40)	1.1
	S-12, Port 1[b]	08/05/20	--	--	--	--	ND(1.1)	ND(1.1)	1.4
	S-12, Port 1	09/08/21	--	--	--	--	ND(10)	ND(0.81)	1.6
	S-12, Port 1	07/28/22	--	--	--	--	ND(11)	2.8	8.3
	S-12 Port 1	08/18/23	--	ND(0.86)	ND(0.86)	ND(0.86)	--	--	180
	S-12 Port 1	05/01/24	--	--	--	--	ND(11)	6.8	140
	S-12 Port 1	05/14/25	--	--	--	--	ND(2.3)	ND(1.1)	1.6
	S-12, Port 2	03/21/07	--	--	--	--	ND(85)	5,300	14,000
	S-12, Port 2	11/11/10	--	--	--	--	2.3	0.87	4.0
	S-12, Port 2	01/23/13	--	--	--	--	2.7	1.1	3.3
	S-12, Port 2	08/15/14	--	--	--	--	ND(0.40)	3.7	3.7
	S-12, Port 2	08/13/15	--	--	--	--	ND(0.40)	3.1	2.6
	S-12, Port 2	08/12/19	--	--	--	--	ND(0.40)	1.3	1.2
	S-12, Port 2[b]	08/05/20	--	--	--	--	ND(1.1)	2.0	2.0
	S-12, Port 2	08/17/21	--	--	--	--	ND(11)	2.1	1.8
	S-12, Port 2	07/28/22	--	--	--	--	ND(11)	2.9	1.9
	S-12 Port 2	08/18/23	--	ND(0.86)	ND(0.86)	ND(0.86)	--	--	2.4
	S-12 Port 2	05/01/24	--	--	--	--	ND(11)	2.0	2.7
	S-12 Port 2	05/14/25	--	--	--	--	ND(2.2)	1.5	1.2

Table 6.3
Historical Soil Gas Data at MPSG/Monitoring Wells S-1, S-7, and S-12
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	1,1-DCE	1,1,2-TCA	Benzene	Ethylbenzene	Methylene Chloride	PCE	TCE
S-12 (cont'd)	S-12, Port 3	03/21/07	--	--	--	--	ND(110)	5,000	15,000
	S-12, Port 3	10/21/10	--	--	--	--	0.92	6.9	5.1
	S-12, Port 3	01/23/13	--	--	--	--	ND(2.5)	ND(0.72)	ND(0.72)
	S-12, Port 3	08/15/14	--	--	--	--	ND(0.40)	3.8	3.8
	S-12, Port 3	08/13/15	--	--	--	--	ND(0.40)	3.3	2.6
	S-12, Port 3	08/12/19	--	--	--	--	ND(0.40)	1.8	2.0
	S-12, Port 3[b]	08/05/20	--	--	--	--	ND(1.0)	ND(1.0)	ND(1.0)
	S-12, Port 3	08/17/21	--	--	--	--	ND(11)	2.4	2.0
	S-12, Port 3	07/28/22	--	--	--	--	ND(11)	2.2	2.2
	S-12 Port 3	08/18/23	--	ND(0.89)	ND(0.89)	ND(0.89)	--	--	1.9
	S-12 Port 3	05/01/24	--	--	--	--	ND(10)	2.4	2.4
	S-12 Port 3	05/14/25	--	--	--	--	ND(2.2)	1.1	ND(1.1)
	S-12, Port 4	03/21/07	--	--	--	--	ND(46)	3,400	12,000
	S-12, Port 4	10/21/10	--	--	--	--	ND(0.50)	8.3	6.4
	S-12, Port 4	01/23/13	--	--	--	--	ND(0.83)	1.1	1.3
	S-12, Port 4	08/15/14	--	--	--	--	ND(0.40)	3.7	4.5
	S-12, Port 4	08/13/15	--	--	--	--	ND(0.47)	3.2	2.9
	S-12, Port 4	08/12/19	--	--	--	--	ND(0.40)	2.0	2.6
	S-12, Port 4[b]	08/05/20	--	--	--	--	ND(1.0)	3.2	ND(1.0)
	S-12, Port 4	08/17/21	--	--	--	--	ND(11)	3.0	4.6
	S-12, Port 4	07/28/22	--	--	--	--	ND(11)	2.5	2.8
	S-12 Port 4	08/18/23	--	ND(17)	ND(17)	ND(17)	--	--	ND(17)
	S-12 Port 4	05/01/24	--	--	--	--	ND(11)	1.7	1.7
	S-12 Port 4	05/14/25	--	--	--	--	ND(2.3)	1.2	1.4
	S-12, Port 5	03/21/07	--	--	--	--	ND(20)	320	1,200
	S-12, Port 5	10/21/10	--	--	--	--	ND(0.50)	3.4	3.6
	S-12, Port 5	01/23/13	--	--	--	--	ND(0.71)	0.92	ND(0.71)
	S-12, Port 5	08/15/14	--	--	--	--	ND(0.40)	2.5	4.9
	S-12, Port 5	08/13/15	--	--	--	--	ND(0.40)	2.4	3.4
	S-12, Port 5	08/12/19	--	--	--	--	ND(0.40)	3.0	4.2
	S-12, Port 5[b]	08/05/20	--	--	--	--	ND(1.2)	2.0	4.8
	S-12, Port 5	08/17/21	--	--	--	--	ND(12)	2.5	4.2
	S-12, Port 5	07/28/22	--	--	--	--	ND(11)	2.9	3.5
	S-12 Port 5	08/18/23	--	ND(72)	ND(72)	ND(72)	--	--	ND(72)
	S-12 Port 5	05/01/24	--	--	--	--	ND(11)	ND(1.1)	2.1
	S-12 Port 5	05/14/25	--	--	--	--	ND(2.3)	ND(1.2)	1.6

Notes:

MPSG - multi-port soil gas

TIAA - Tucson International Airport Area

Concentrations in parts per billion by volume

1,1-DCE - Dichloroethene

1,1,2-TCA - 1,1,2-Trichloroethane

PCE - tetrachloroethene

TCE - trichloroethene

-- - Not sampled

ND - Result was less than the listed laboratory reporting limit.

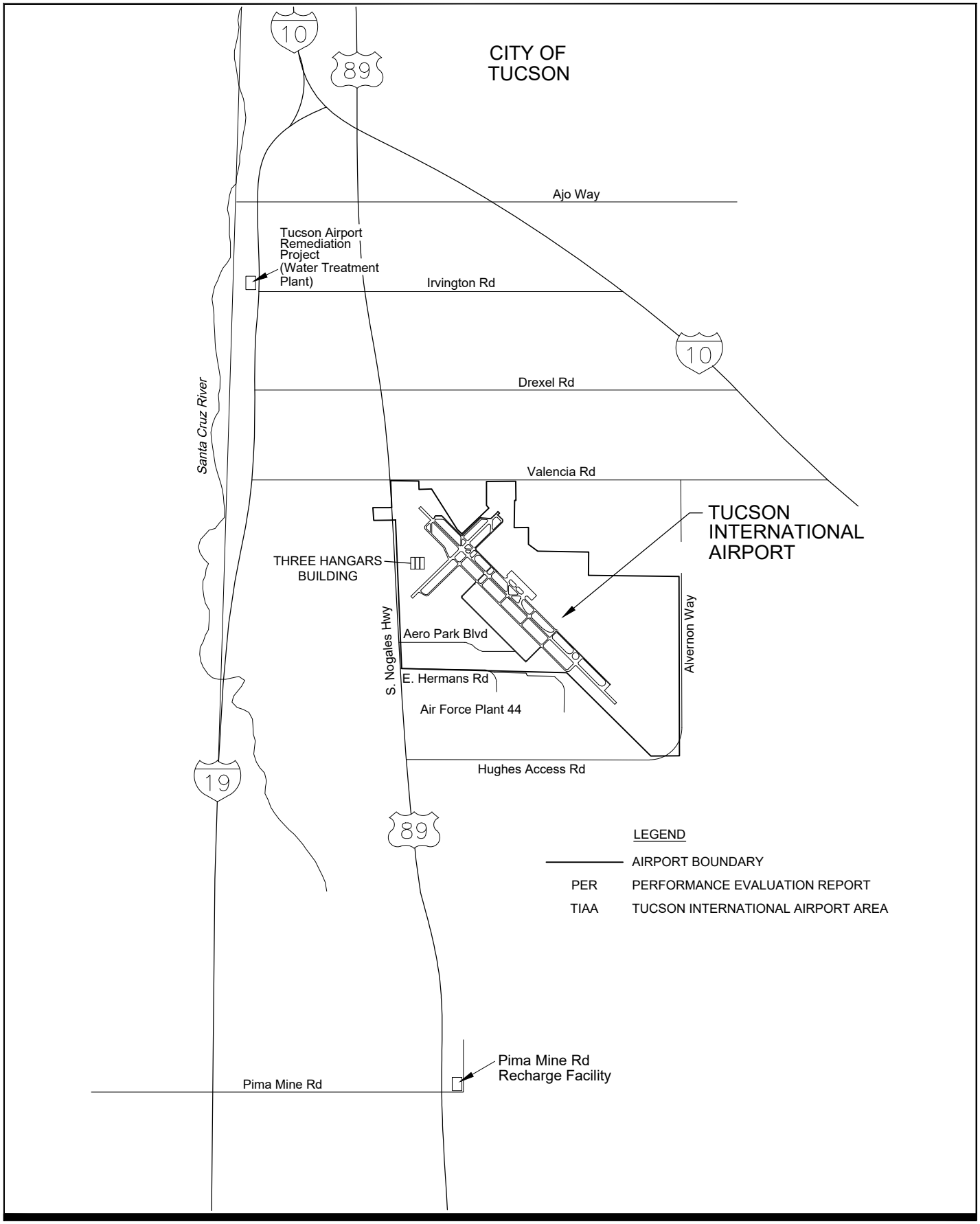
J - Estimated value

[a] Sample is a blind duplicate of the sample listed immediately above

[b] Full list of results presented in Appendix E of the 26th PER (GHD, 2020b)

[c] Detection of tracer gas (1,1-diflouroethane) used for field QA/QC in 7/28/22 lab results required resample at this location.

Figures



NOT TO SCALE

N

GHD

TIAA SUPERFUND SITE
AIRPORT PROPERTY, TUCSON, ARIZONA
THIRTY-SIXTH PER

Project No. **12619196**
Date **September 2025**

SITE LOCATION MAP

FIGURE 1.1

Filename: N:\US\Tucson\Projects\561\12619196\Digital_Design\ACAD\Figures\1_Reports\12619196-(36)\12619196_001_SITE_LOCATION_MAP.DWG
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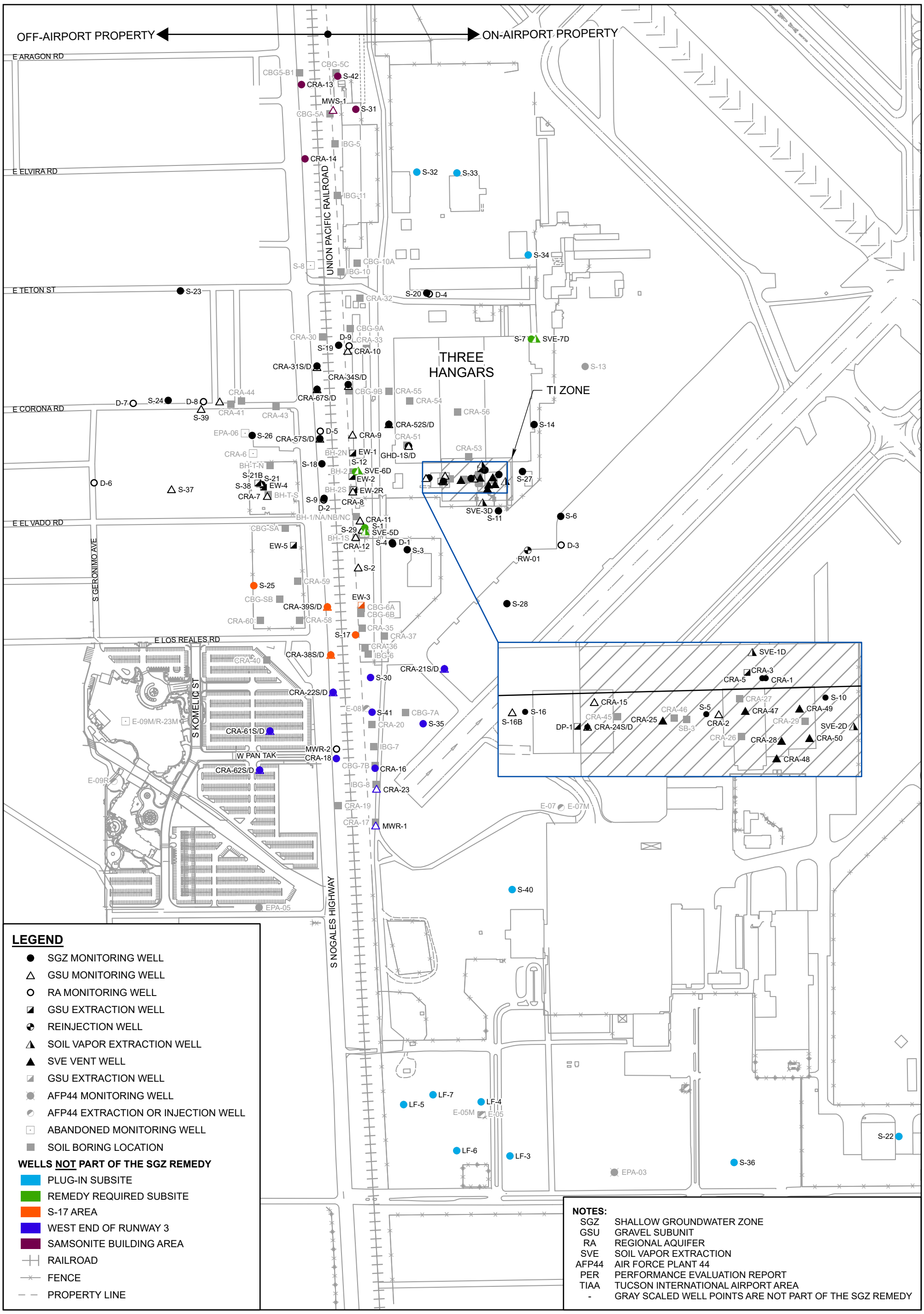

LEGEND

- SGZ MONITORING WELL
- GSU MONITORING WELL
- RA MONITORING WELL
- GSU EXTRACTION WELL
- REINJECTION WELL
- SOIL VAPOR EXTRACTION WELL
- SVE VENT WELL
- GSU EXTRACTION WELL
- AFP44 MONITORING WELL
- AFP44 EXTRACTION OR INJECTION WELL
- ABANDONED MONITORING WELL
- SOIL BORING LOCATION

WELLS NOT PART OF THE SGZ REMEDY

- PLUG-IN SUBSITE
- REMEDY REQUIRED SUBSITE
- S-17 AREA
- WEST END OF RUNWAY 3
- SAMSONITE BUILDING AREA
- RAILROAD
- FENCE
- PROPERTY LINE

NOTES:

SGZ	SHALLOW GROUNDWATER ZONE
GSU	GRAVEL SUBUNIT
RA	REGIONAL AQUIFER
SVE	SOIL VAPOR EXTRACTION
AFP44	AIR FORCE PLANT 44
PER	PERFORMANCE EVALUATION REPORT
TIAA	TUCSON INTERNATIONAL AIRPORT AREA
-	GRAY SCALED WELL POINTS ARE NOT PART OF THE SGZ REMEDY

0 125 250 375 500
US Feet

N

Map Projection: Transverse Mercator
Horizontal Datum: North American 1983
Grid: NAD 1983 StatePlane Arizona Central FIPS 0202 Feet

GHD

TIAA SUPERFUND SITE
AIRPORT PROPERTY, TUCSON, ARIZONA
THIRTY-SIXTH PER

SOIL BORING AND WELL LOCATIONS

Project No. **12619196**
Date **September 2025**

FIGURE 2.1

N:\US\Azure\EastUS\12619196\GIS\Maps\Deliverables\12619196_THIRTY-FIFTH_PER\12619196_THIRTY-FIFTH_PER.aprx
Print date: 18 Sep 2025 - 11:58

Data source: . Created by: mhargrave

REGIONAL STRATIGRAPHIC UNIT	SITE STRATIGRAPHIC UNIT	SITE HYDROGEOLOGIC UNIT	LITHOLOGY	
RECENT ALLUVIUM	UNIT 1	VADOSE ZONE		SAND, SILT, AND CLAY
	UNIT 2			SAND, SILT, AND CLAY WITH CALICHE
	UNIT 3			SAND, SILT, AND CLAY
	UNIT 4 UPPER	SHALLOW GROUNDWATER ZONE		CLAY
	GRAVEL SUBUNIT			DISCONTINUOUS SAND AND GRAVEL
	UNIT 4 LOWER			CLAY
FORT LOWELL FORMATION	FORT LOWELL FORMATION	REGIONAL AQUIFER		SILTY GRAVEL WITH SAND AND CLAY

LEGEND:

PER PERFORMANCE EVALUATION REPORT
TIAA TUCSON INTERNATIONAL AIRPORT AREA

TIAA SUPERFUND SITE
AIRPORT PROPERTY, TUCSON, ARIZONA
THIRTY-SIXTH PER

Project No. **12619196**
Date **September 2025**

CONCEPTUAL STRATIGRAPHIC COLUMN

FIGURE 2.2

Filename: N:\US\Tucson\Projects\561\12619196\Digital_Design\ACAD\Figures\1_Reports\12619196-(36)\12619196_002_CON_STRAT_COLUMN.DWG
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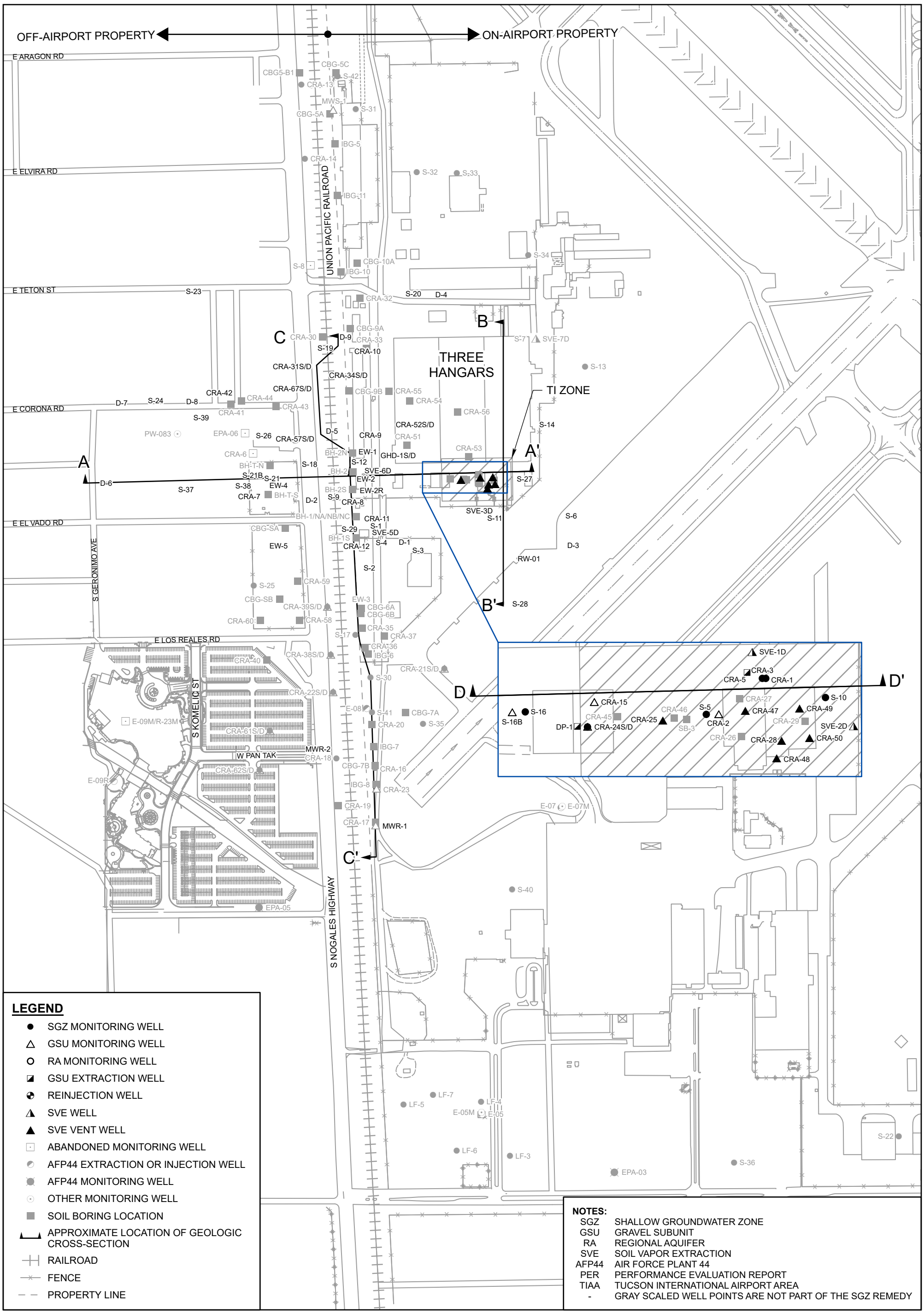

LEGEND

- SGZ MONITORING WELL
- GSU MONITORING WELL
- RA MONITORING WELL
- GSU EXTRACTION WELL
- REINJECTION WELL
- SVE WELL
- SVE VENT WELL
- ABANDONED MONITORING WELL
- AFP44 EXTRACTION OR INJECTION WELL
- AFP44 MONITORING WELL
- OTHER MONITORING WELL
- SOIL BORING LOCATION
- APPROXIMATE LOCATION OF GEOLOGIC CROSS-SECTION
- RAILROAD
- FENCE
- PROPERTY LINE

NOTES:

SGZ	SHALLOW GROUNDWATER ZONE
GSU	GRAVEL SUBUNIT
RA	REGIONAL AQUIFER
SVE	SOIL VAPOR EXTRACTION
AFP44	AIR FORCE PLANT 44
PER	PERFORMANCE EVALUATION REPORT
TIAA	TUCSON INTERNATIONAL AIRPORT AREA
-	GRAY SCALED WELL POINTS ARE NOT PART OF THE SGZ REMEDY

0 125 250 375 500
US Feet

N

Map Projection: Transverse Mercator
Horizontal Datum: North American 1983
Grid: NAD 1983 StatePlane Arizona Central FIPS 0202 Feet

GHD

TIAA SUPERFUND SITE
AIRPORT PROPERTY, TUCSON, ARIZONA
THIRTY-SIXTH PER

GEOLOGIC CROSS-SECTION LOCATIONS

Project No. **12619196**
Date **October 2025**

FIGURE 2.3

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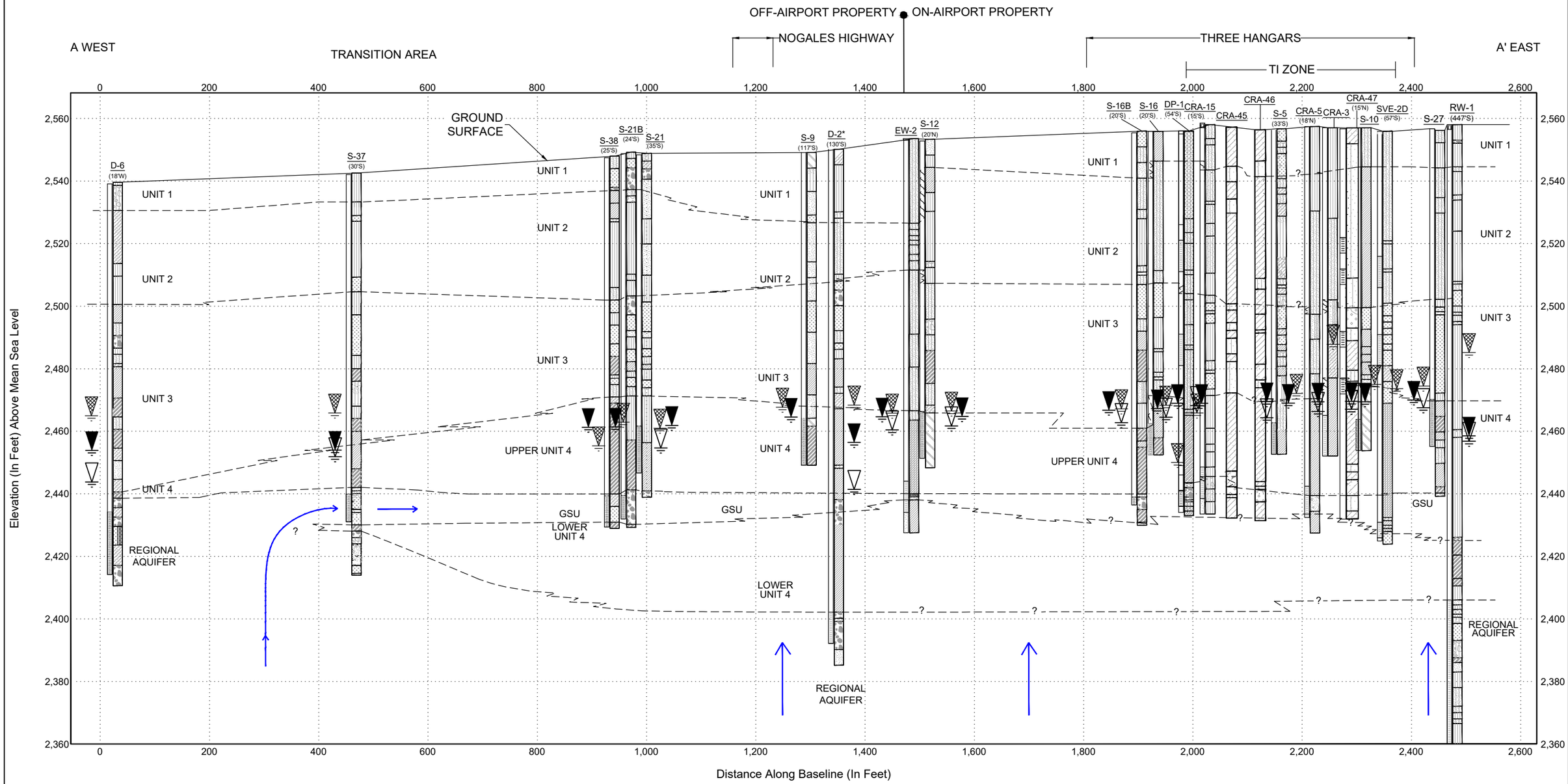

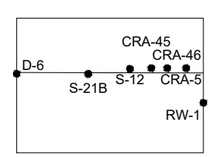

WATER LEVELS

- Depth Water Found
- Static Water Level (May 2007)
- Water Level (August 2025)

LITHOLOGY GRAPHICS

- USCS Silty Sand
- USCS Gravelly Silt
- USCS Sandy Silt
- USCS Poorly-Graded Gravel
- USCS Silt
- USCS Clayey Sand
- USCS Well-Graded Sand
- USCS Lean Clay - Fat Clay
- USCS Clayey Gravel
- USCS High Plasticity Clay
- USCS Poorly-Graded Sand
- USCS Poorly-Graded Sand with Silt
- USCS Well-Graded Gravel
- USCS Low Plasticity Silty Clay
- USCS Low Plasticity Clay
- USCS Well-Graded Sand with Silt
- Screened Section
- Bentonite Seal
- Sand Pack

UPWARD VERTICAL GRADIENT FLOW FROM RA TO GSU

PER PERFORMANCE EVALUATION REPORT
TIAA TUCSON INTERNATIONAL AIRPORT AREA
GSU GRAVEL SUBUNIT
RA REGIONAL AQUIFER
* NOT USED FOR INTERPRETATION

NOTE:
(25'S): PROJECTION DISTANCE AND DIRECTION OF WELL FROM SECTION LINE

CRA-5 WAS NOT IN OPERATION IN AUGUST 2025

0 20 35ft
VERTICAL SCALE
0 120ft 200ft
HORIZONTAL SCALE

N

GHD

TIAA SUPERFUND SITE
AIRPORT PROPERTY, TUCSON, ARIZONA
THIRTY-SIXTH PER

GEOLOGIC CROSS-SECTION A-A'

Project No. **12619196**
Date **October 2025**

FIGURE 2.4

Data Source

Filename: N:\US\Tucson\Projects\561\12619196\Digital_Design\ACAD\Figures\1_Reports\12619196-(36)\12619196_003_GEO_XSEC_A.DWG
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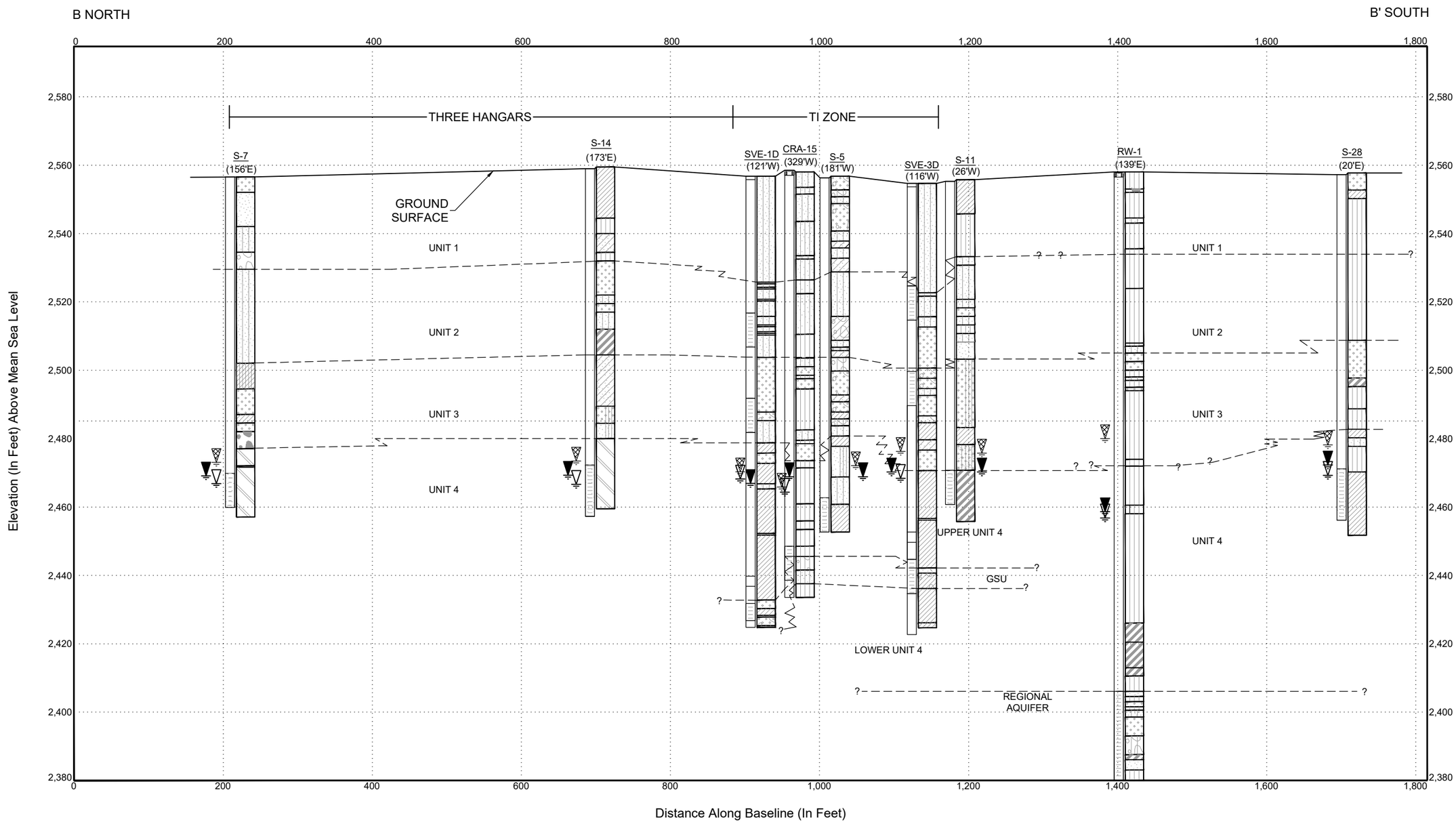
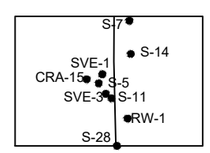


WATER LEVELS

- Depth Water Found
- Static Water Level (May 2007)
- Water Level (August 2025)

LITHOLOGY GRAPHICS

- USCS Silty Sand
- USCS Gravelly Silt
- USCS Sandy Silt
- USCS Poorly-Graded Gravel
- USCS Silt
- USCS Clayey Sand
- USCS Well-Graded Sand
- USCS Lean Clay - Fat Clay
- USCS Clayey Gravel
- USCS High Plasticity Clay
- USCS Poorly-Graded Sand
- USCS Poorly-Graded Sand with Silt
- USCS Well-Graded Gravel
- USCS Low Plasticity Silty Clay
- USCS Low Plasticity Clay
- USCS Well-Graded Sand with Silt
- Screened Section
- Bentonite Seal
- Sand Pack



PER PERFORMANCE EVALUATION REPORT
TIAA TUCSON INTERNATIONAL AIRPORT AREA
GSU GRAVEL SUBUNIT

NOTE:
(25'S): PROJECTION DISTANCE AND DIRECTION OF WELL FROM SECTION LINE

VERTICAL SCALE: 0 20 35ft

HORIZONTAL SCALE: 0 130ft 165ft

TIAA SUPERFUND SITE
AIRPORT PROPERTY, TUCSON, ARIZONA
THIRTY-SIXTH PER

GEOLOGIC CROSS-SECTION B-B'

Project No. 12619196
Date October 2025

FIGURE 2.5

Data Source

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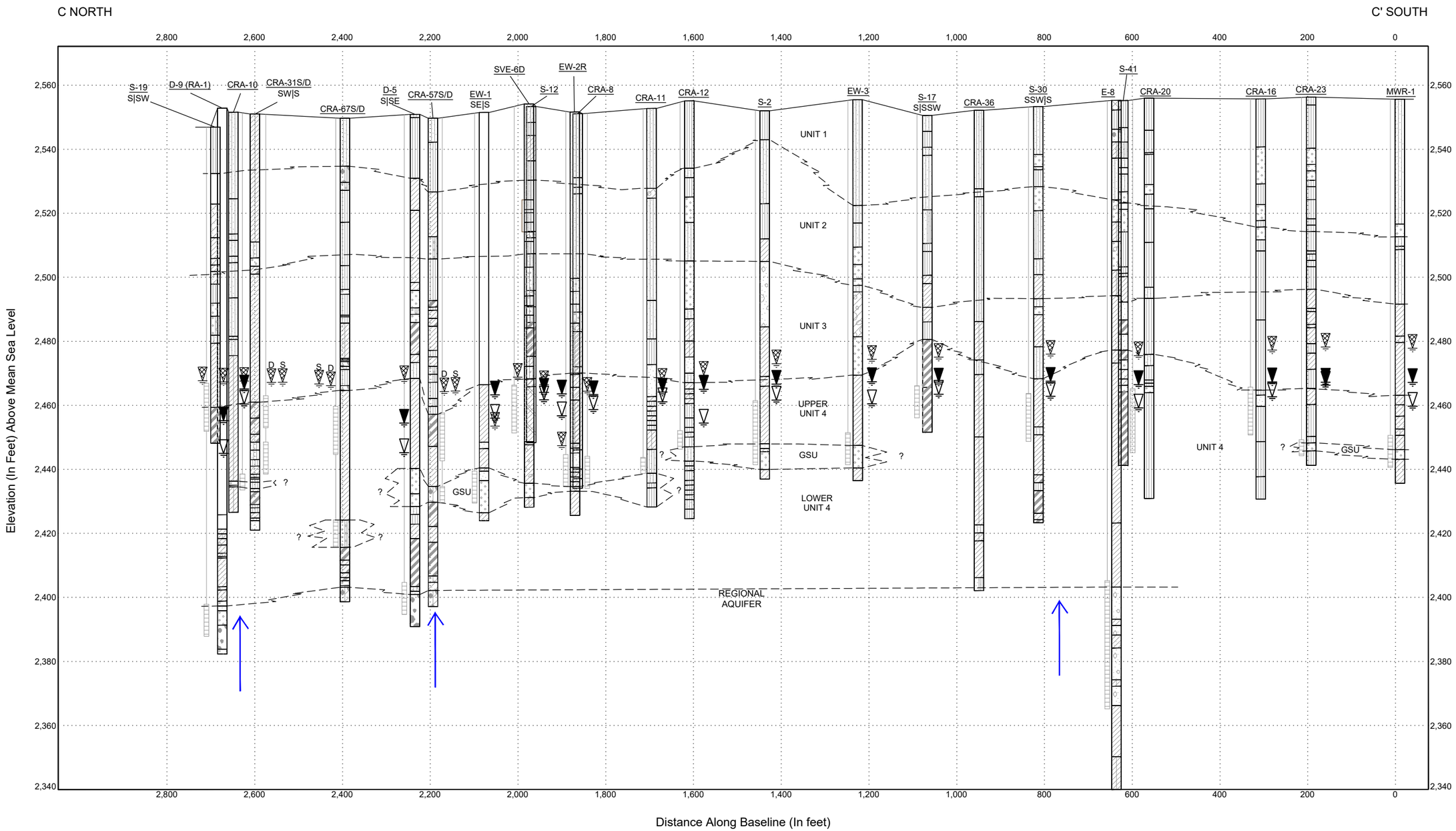

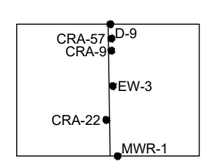

WATER LEVELS

- Depth Water Found
- Static Water Level (May 2007)
- Water Level (August 2025)

LITHOLOGY GRAPHICS

- USCS Silty Sand
- USCS Gravelly Silt
- USCS Sandy Silt
- USCS Poorly-Graded Gravel
- USCS Silt
- USCS Clayey Sand
- USCS Well-Graded Sand
- USCS Lean Clay - Fat Clay
- USCS Clayey Gravel
- USCS High Plasticity Clay
- USCS Poorly-Graded Sand
- USCS Poorly-Graded Sand with Silt
- USCS Well-Graded Gravel
- USCS Low Plasticity Silty Clay
- USCS Low Plasticity Clay
- USCS Well-Graded Sand with Silt
- Screened Section
- Bentonite Seal
- Sand Pack

UPWARD VERTICAL GRADIENT FROM RA TO GSU

PER PERFORMANCE EVALUATION REPORT
TIAA TUCSON INTERNATIONAL AIRPORT AREA
GSU GRAVEL SUBUNIT
RA REGIONAL AQUIFER
* NOT USED FOR INTERPRETATION

0 20 35ft
VERTICAL SCALE
0 150ft 250ft
HORIZONTAL SCALE

TIAA SUPERFUND SITE
AIRPORT PROPERTY, TUCSON, ARIZONA
THIRTY-SIXTH PER

GEOLOGIC CROSS-SECTION C-C'

Project No. **12619196**
Date **October 2025**

FIGURE 2.6

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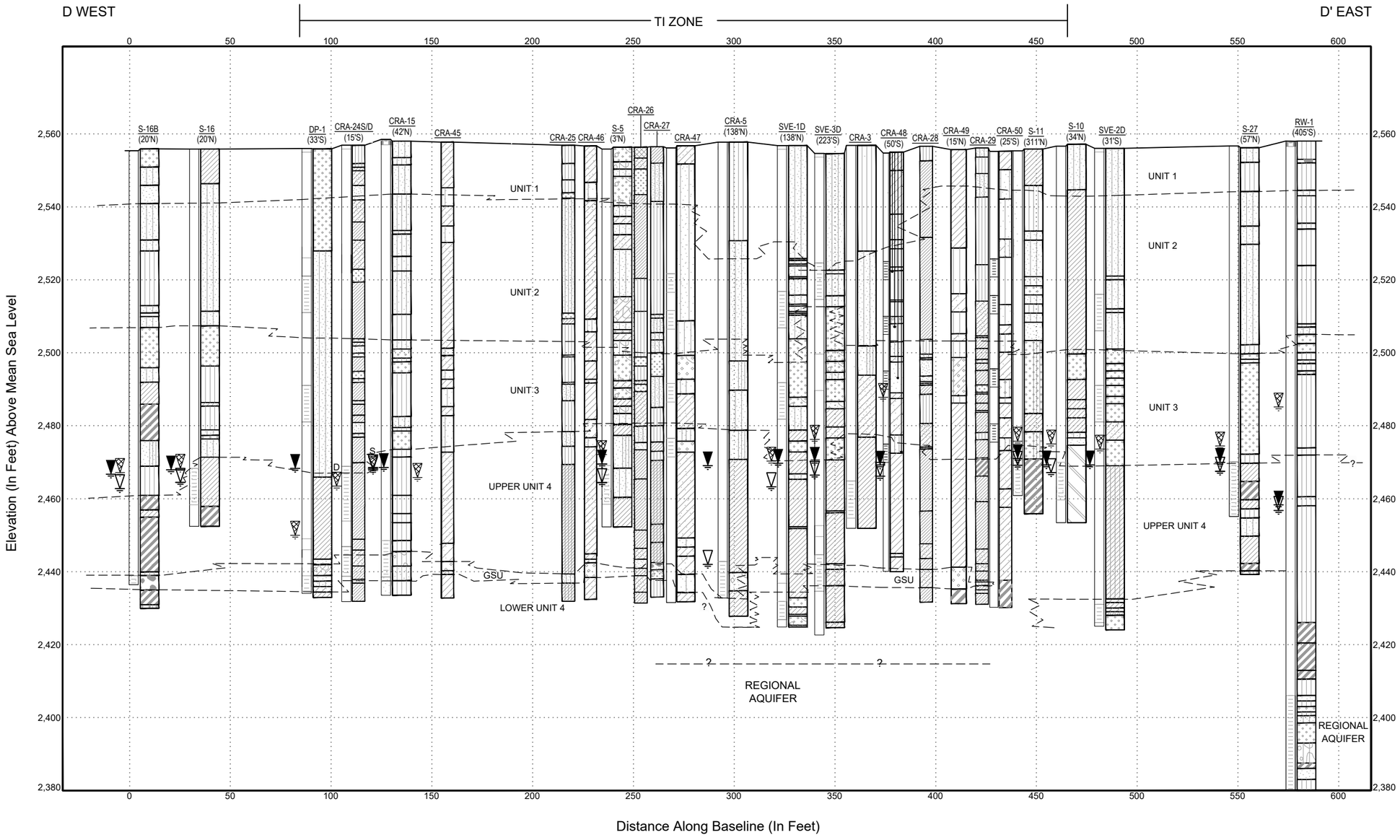
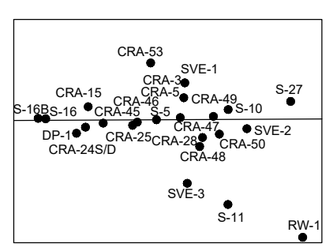




WATER LEVELS

- Depth Water Found
- Static Water Level (May 2007)
- Water Level (August 2025)

LITHOLOGY GRAPHICS

- USCS Silty Sand
- USCS Gravelly Silt
- USCS Sandy Silt
- USCS Poorly-Graded Gravel
- USCS Silt
- USCS Clayey Sand
- USCS Well-Graded Sand
- USCS Lean Clay - Fat Clay
- USCS Clayey Gravel
- USCS High Plasticity Clay
- USCS Poorly-Graded Sand
- USCS Poorly-Graded Sand with Silt
- USCS Well-Graded Gravel
- USCS Low Plasticity Silty Clay
- USCS Low Plasticity Clay
- USCS Well-Graded Sand with Silt
- Screened Section
- Bentonite Seal
- Sand Pack

PER PERFORMANCE EVALUATION REPORT
TIAA TUCSON INTERNATIONAL AIRPORT AREA
GSU GRAVEL SUBUNIT

NOTE:
(25'S): PROJECTION DISTANCE AND DIRECTION OF WELL FROM SECTION LINE

0 20 35ft
VERTICAL SCALE
0 35ft 55ft
HORIZONTAL SCALE

N

GHD

TIAA SUPERFUND SITE
AIRPORT PROPERTY, TUCSON, ARIZONA
THIRTY-SIXTH PER

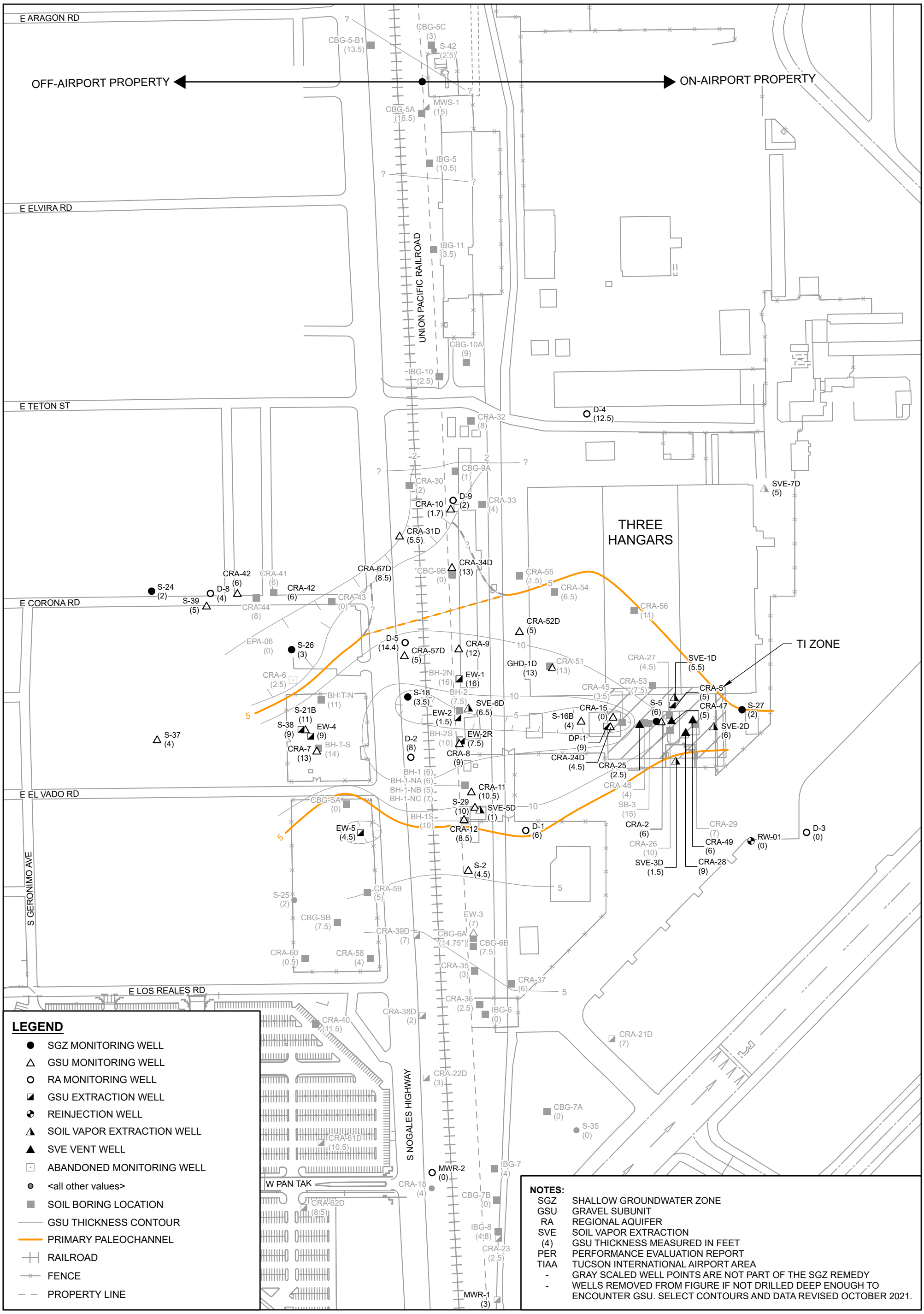
GEOLOGIC CROSS-SECTION D-D'

Project No. **12619196**
Date **October 2025**

FIGURE 2.7

Filename: N:\US\Tucson\Projects\561\12619196\Digital_Design\ACAD\Figures\1_Reports\12619196-(36)\12619196_006_GEO_XSEC_D.DWG
Plot Date: 06 October 2025 4:25 PM

Data Source



LEGEND

- SGZ MONITORING WELL
- GSU MONITORING WELL
- RA MONITORING WELL
- GSU EXTRACTION WELL
- REINJECTION WELL
- SOIL VAPOR EXTRACTION WELL
- SVE VENT WELL
- ABANDONED MONITORING WELL
- <all other values>
- SOIL BORING LOCATION
- GSU THICKNESS CONTOUR
- PRIMARY PALEOCHANNEL
- RAILROAD
- FENCE
- PROPERTY LINE

NOTES:

SGZ	SHALLOW GROUNDWATER ZONE
GSU	GRAVEL SUBUNIT
RA	REGIONAL AQUIFER
SVE	SOIL VAPOR EXTRACTION
(4)	GSU THICKNESS MEASURED IN FEET
PER	PERFORMANCE EVALUATION REPORT
TIAA	TUCSON INTERNATIONAL AIRPORT AREA
-	GRAY SCALED WELL POINTS ARE NOT PART OF THE SGZ REMEDY
-	WELLS REMOVED FROM FIGURE IF NOT DRILLED DEEP ENOUGH TO ENCOUNTER GSU. SELECT CONTOURS AND DATA REVISED OCTOBER 2021.

0 100 200 300
US Feet

N

Map Projection: Transverse Mercator
Horizontal Datum: North American 1983
Grid: NAD 1983 StatePlane Arizona Central FIPS 0202 Feet

GHD

TIAA SUPERFUND SITE
AIRPORT PROPERTY, TUCSON, ARIZONA
THIRTY-SIXTH PER

Project No. **12619196**
Date **October 2025**

GRAVEL SUBUNIT THICKNESS

FIGURE 2.8

N:\US\Azure\EastUS\12619196\GIS\Maps\Deliverables\1_Reports\12619196_THIRTY-SIXTH_PER\12619196_THIRTY-SIXTH_PER.aprx
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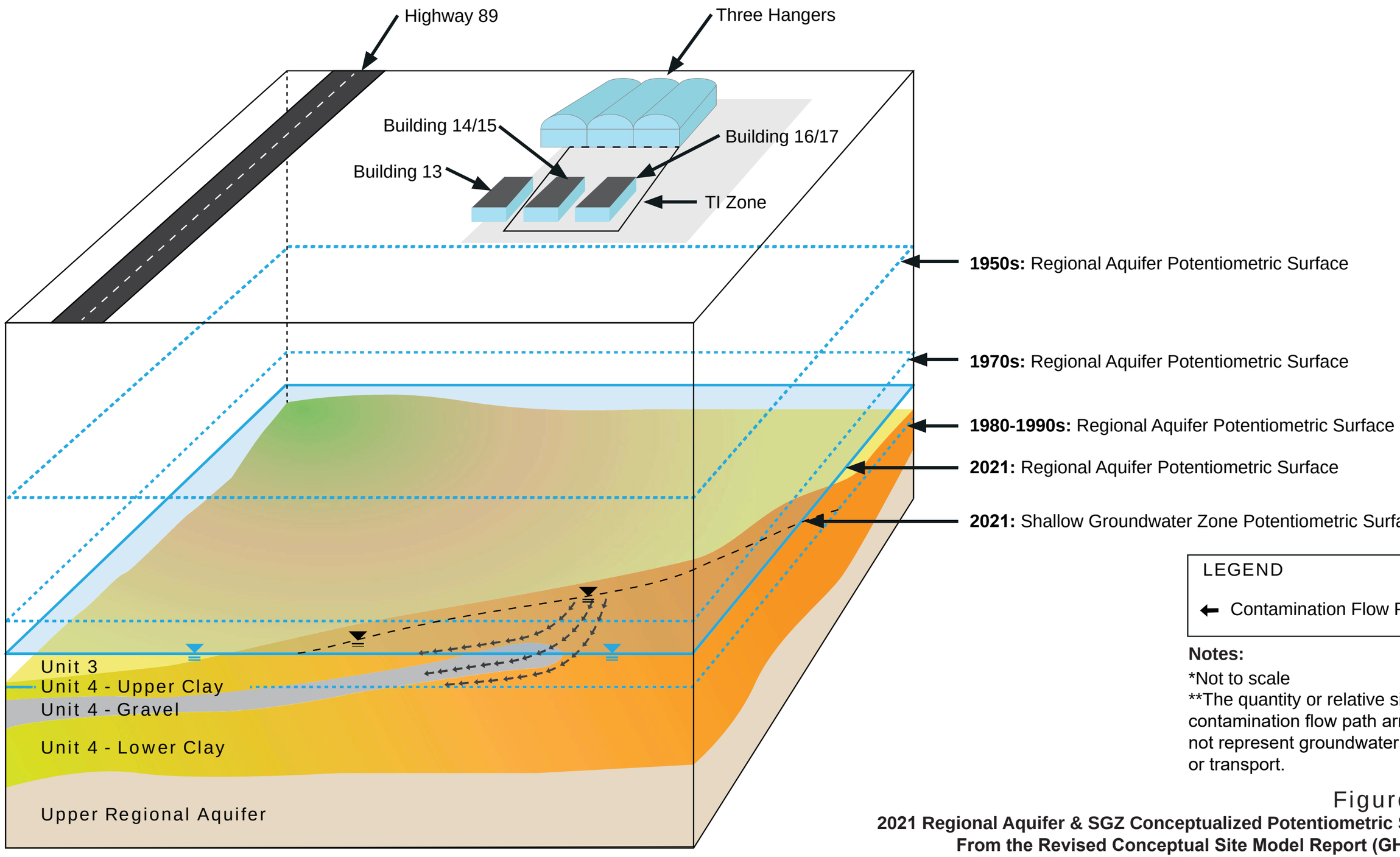


LEGEND

← Contamination Flow Path

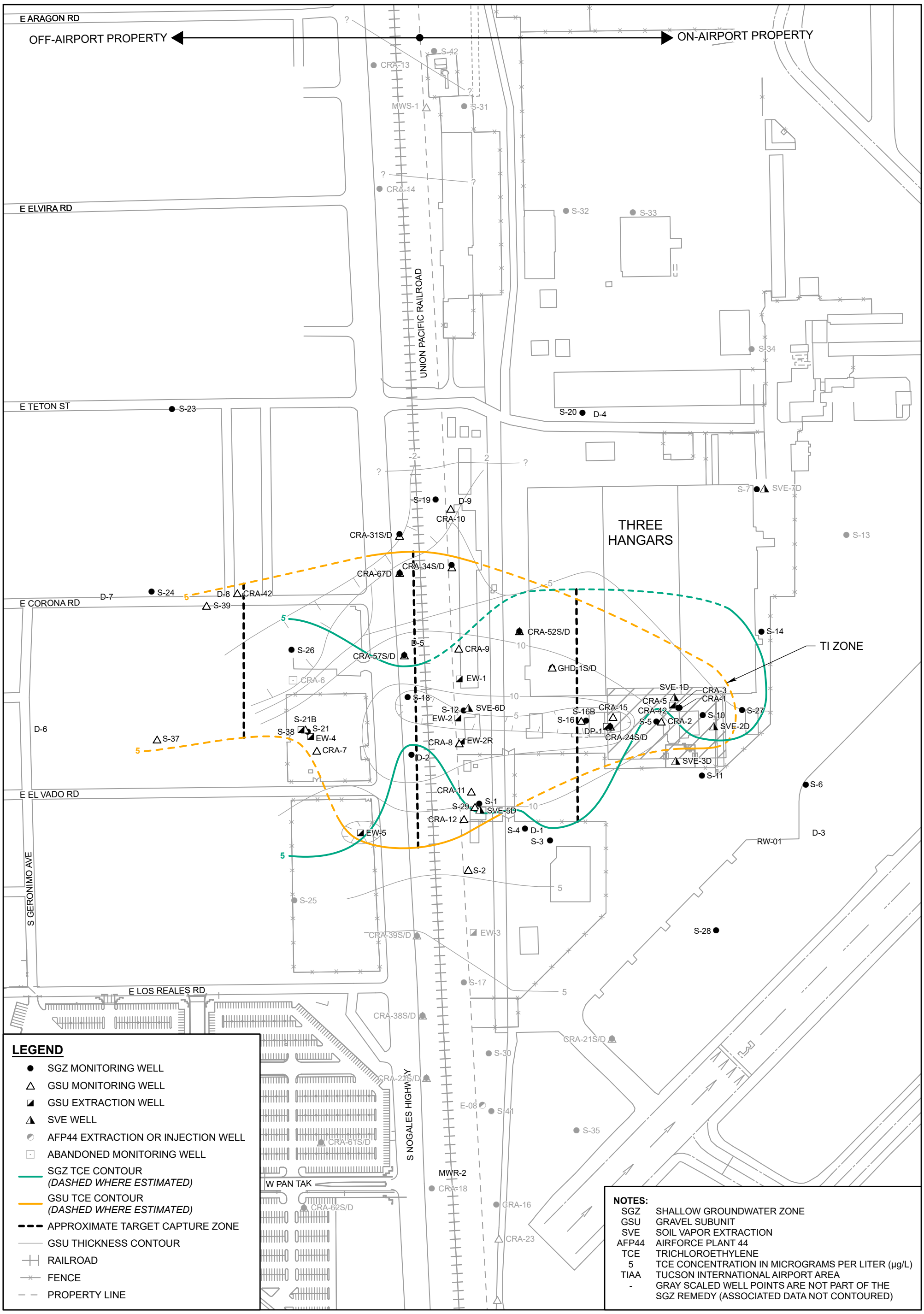
Notes:

*Not to scale

**The quantity or relative size of the contamination flow path arrows do not represent groundwater velocity or transport.

Figure **2.9**

2021 Regional Aquifer & SGZ Conceptualized Potentiometric Surfaces
From the Revised Conceptual Site Model Report (GHD, 2024)
TIAA Superfund Site - Airport Property
Tucson, Arizona
Thirty-sixth PER



0 100 200 300
US Feet

Map Projection: Transverse Mercator
Horizontal Datum: North American 1983
Grid: NAD 1983 StatePlane Arizona Central FIPS 0202 Feet

N

GHD

TIAA SUPERFUND SITE
AIRPORT PROPERTY, TUCSON, ARIZONA
THIRTY-SIXTH PER
AUGUST 2025
SGZ AND GSU TCE CONTOURS WITH TARGET CAPTURE ZONE

Project No. **12619196**
Date **October 2025**

FIGURE 3.1

N:\US\Azure\EastUS\12619196\GIS\Maps\Deliverables\1_Reports\12619196_THIRTY-SIXTH_PER\12619196_THIRTY-SIXTH_PER.aprx
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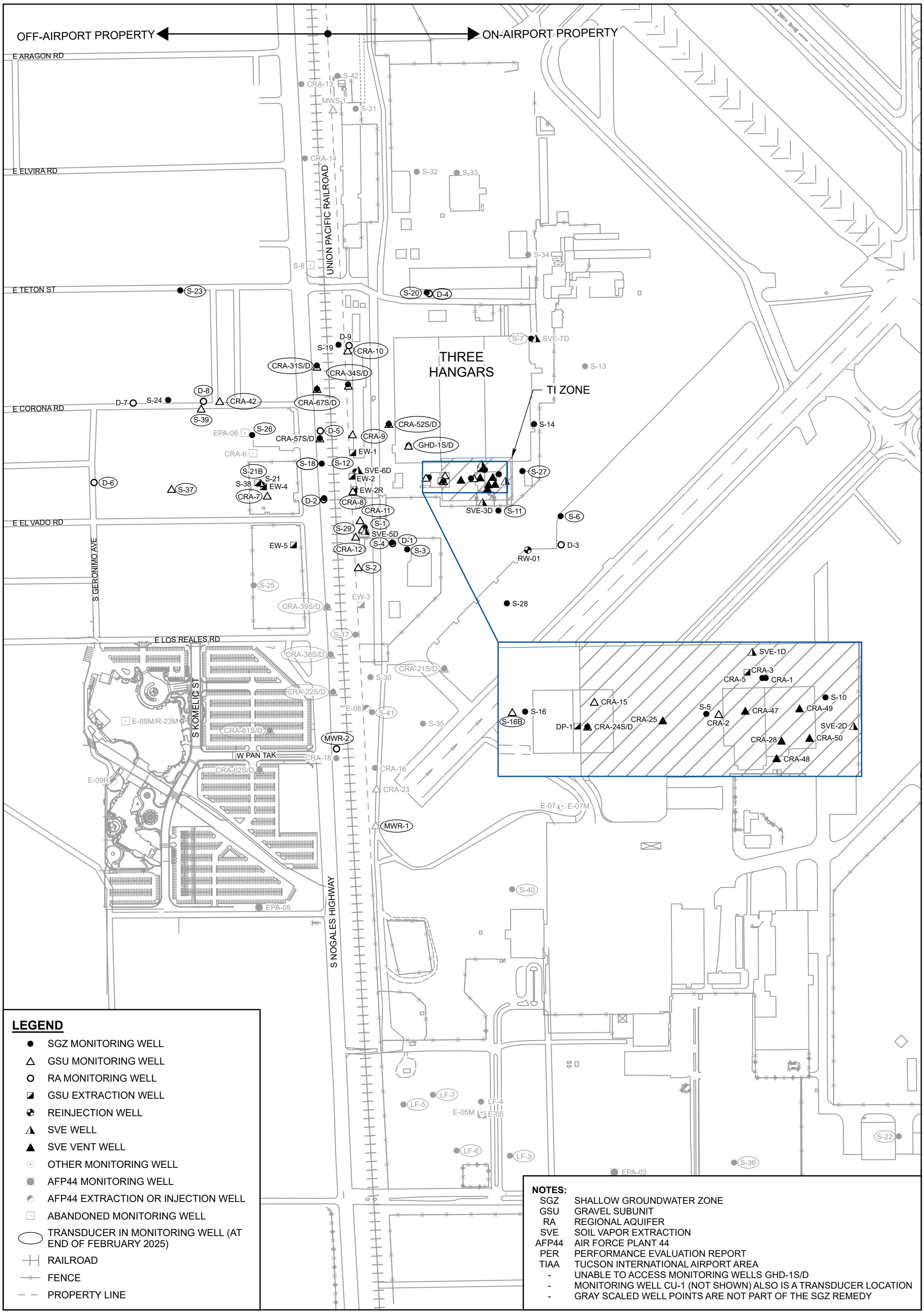

LEGEND

- SGZ MONITORING WELL
- GSU MONITORING WELL
- RA MONITORING WELL
- GSU EXTRACTION WELL
- REINJECTION WELL
- SVE WELL
- SVE VENT WELL
- OTHER MONITORING WELL
- AFP44 MONITORING WELL
- AFP44 EXTRACTION OR INJECTION WELL
- ABANDONED MONITORING WELL
- TRANSDUCER IN MONITORING WELL (AT END OF FEBRUARY 2025)
- RAILROAD
- FENCE
- PROPERTY LINE

NOTES:

SGZ	SHALLOW GROUNDWATER ZONE
GSU	GRAVEL SUBUNIT
RA	REGIONAL AQUIFER
SVE	SOIL VAPOR EXTRACTION
AFP44	AIR FORCE PLANT 44
PER	PERFORMANCE EVALUATION REPORT
TIAA	TUCSON INTERNATIONAL AIRPORT AREA
-	UNABLE TO ACCESS MONITORING WELLS GHD-1S/D
-	MONITORING WELL CU-1 (NOT SHOWN) ALSO IS A TRANSDUCER LOCATION
-	GRAY SCALED WELL POINTS ARE NOT PART OF THE SGZ REMEDY

0 125 250 375 500
US Feet

Map Projection: Transverse Mercator
Horizontal Datum: North American 1983
Grid: NAD 1983 StatePlane Arizona Central FIPS 0202 Feet

N

GHD

TIAA SUPERFUND SITE
AIRPORT PROPERTY, TUCSON, ARIZONA
THIRTY-SIXTH PER

TRANSDUCER LOCATIONS

Project No. **12619196**
Date **September 2025**

FIGURE 3.2

N:\US\Azure\EastUS\12619196\GIS\Maps\Deliverables\12619196_THIRTY-SIXTH_PER\12619196_THIRTY-SIXTH_PER.aprx
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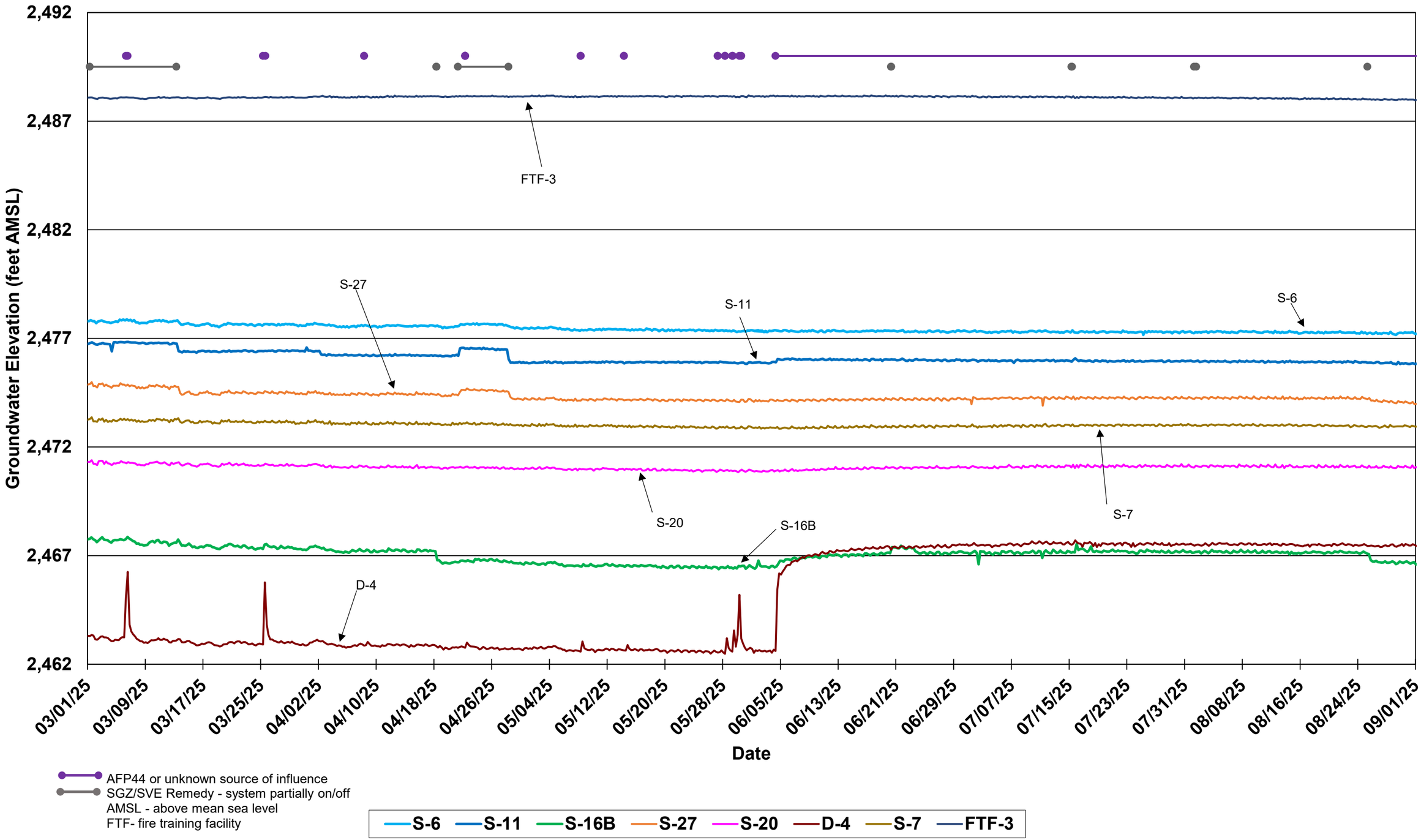


FIGURE 3.3
TI ZONE SURROUNDING TRANSDUCER HYDROGRAPHS
TIAA SUPERFUND SITE - AIRPORT PROPERTY
TUCSON, ARIZONA

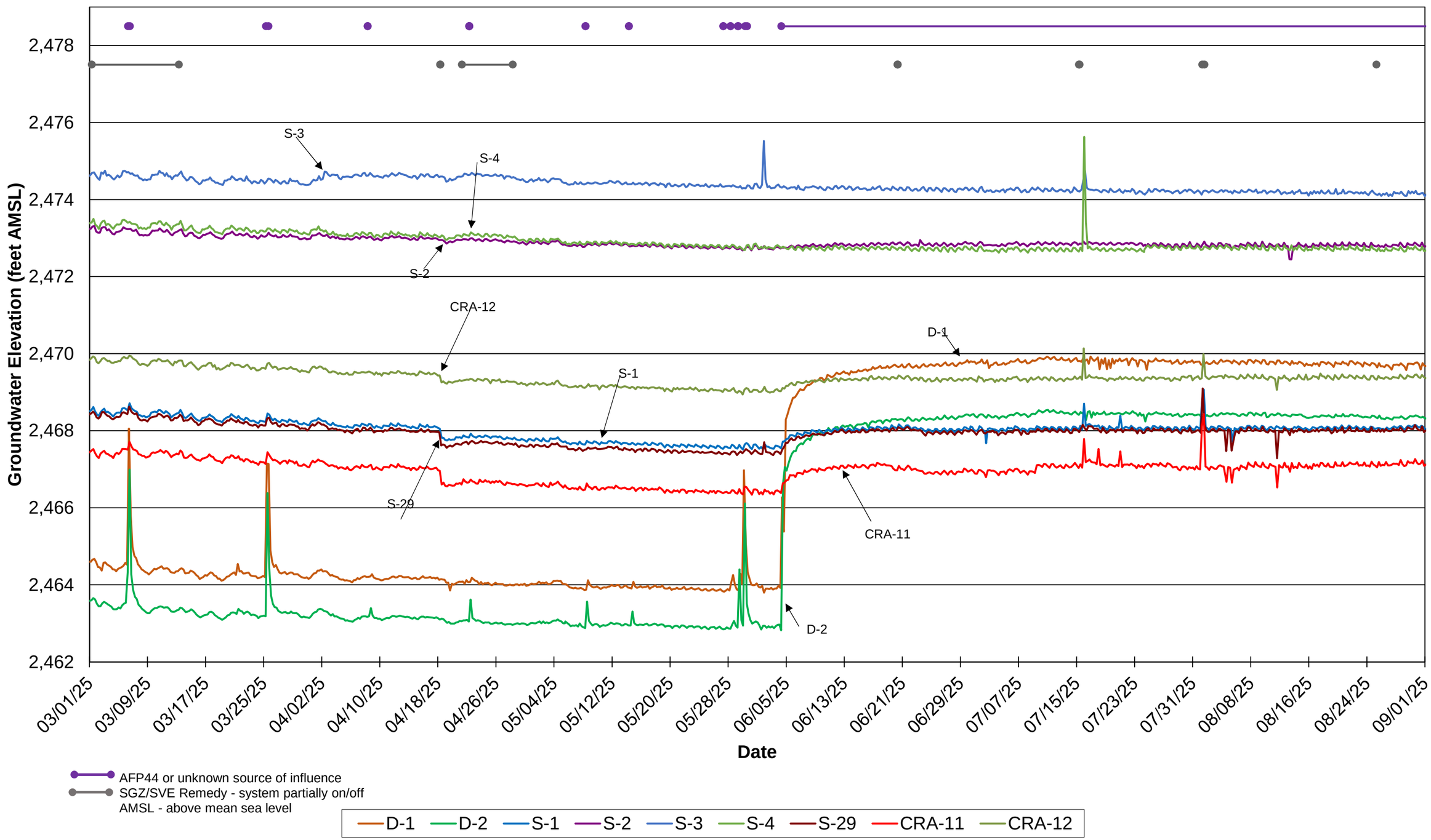


FIGURE 3.4a
ON-AIRPORT SOUTH TRANSDUCER HYDROGRAPHS
TIAA SUPERFUND SITE - AIRPORT PROPERTY
TUCSON, ARIZONA

GHD 12619196-RPT-5

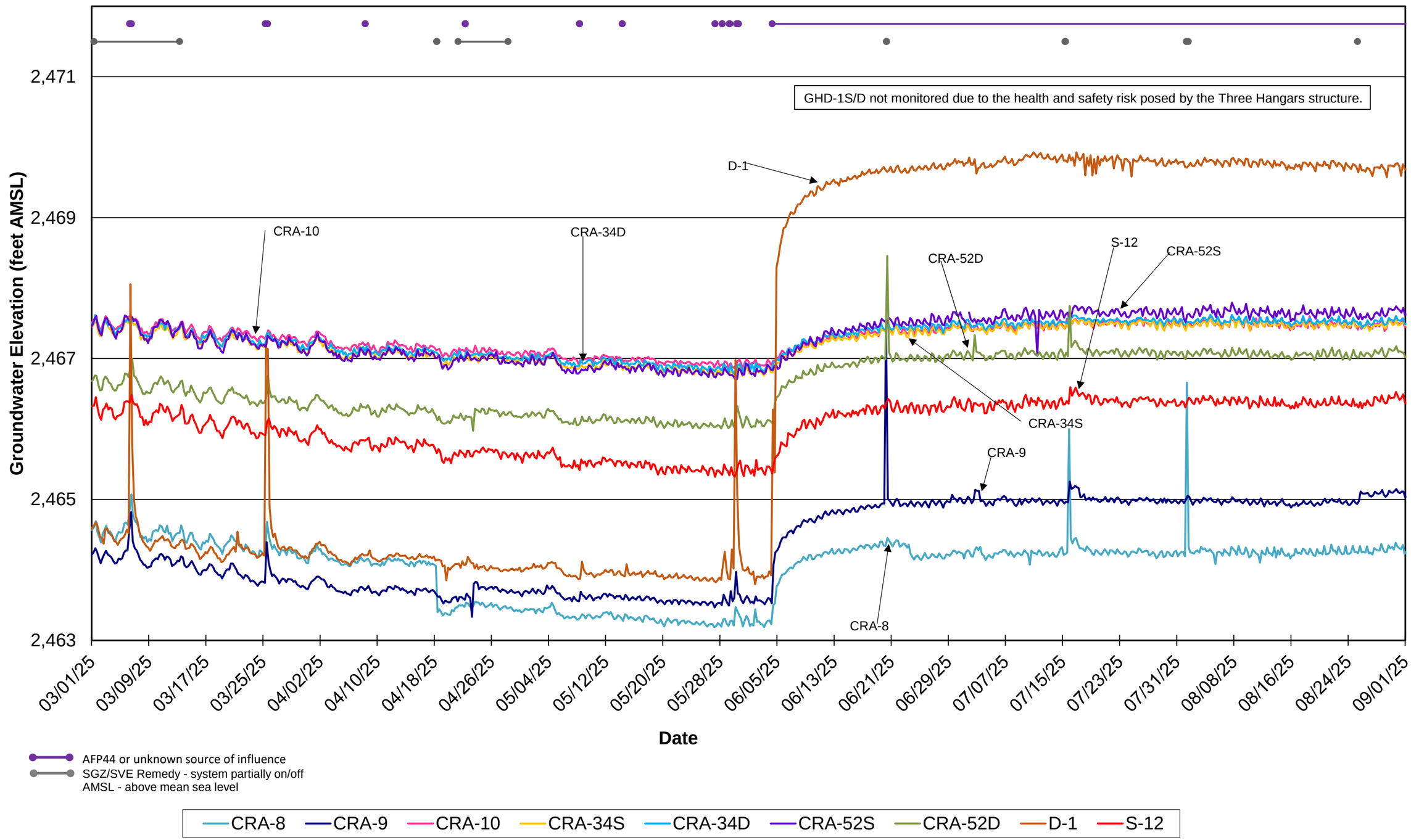


FIGURE 3.4b
ON-AIRPORT NORTH TRANSDUCER HYDROGRAPHS
TIAA SUPERFUND SITE - AIRPORT PROPERTY
TUCSON, ARIZONA

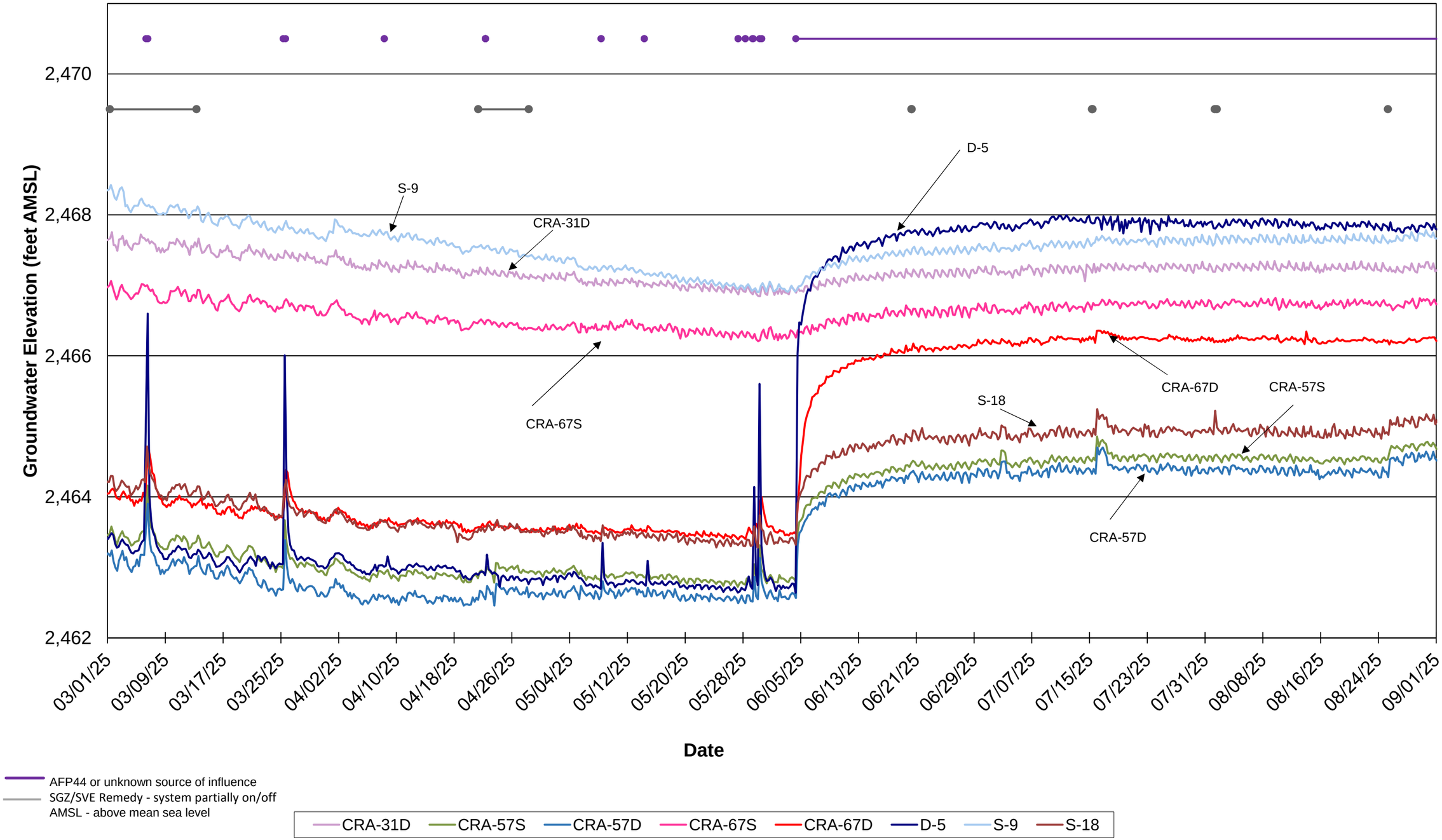


FIGURE 3.4c
ON-AIRPORT WEST OF RAILROAD TRANSDUCER HYDROGRAPHS
TIAA SUPERFUND SITE - AIRPORT PROPERTY
TUCSON, ARIZONA

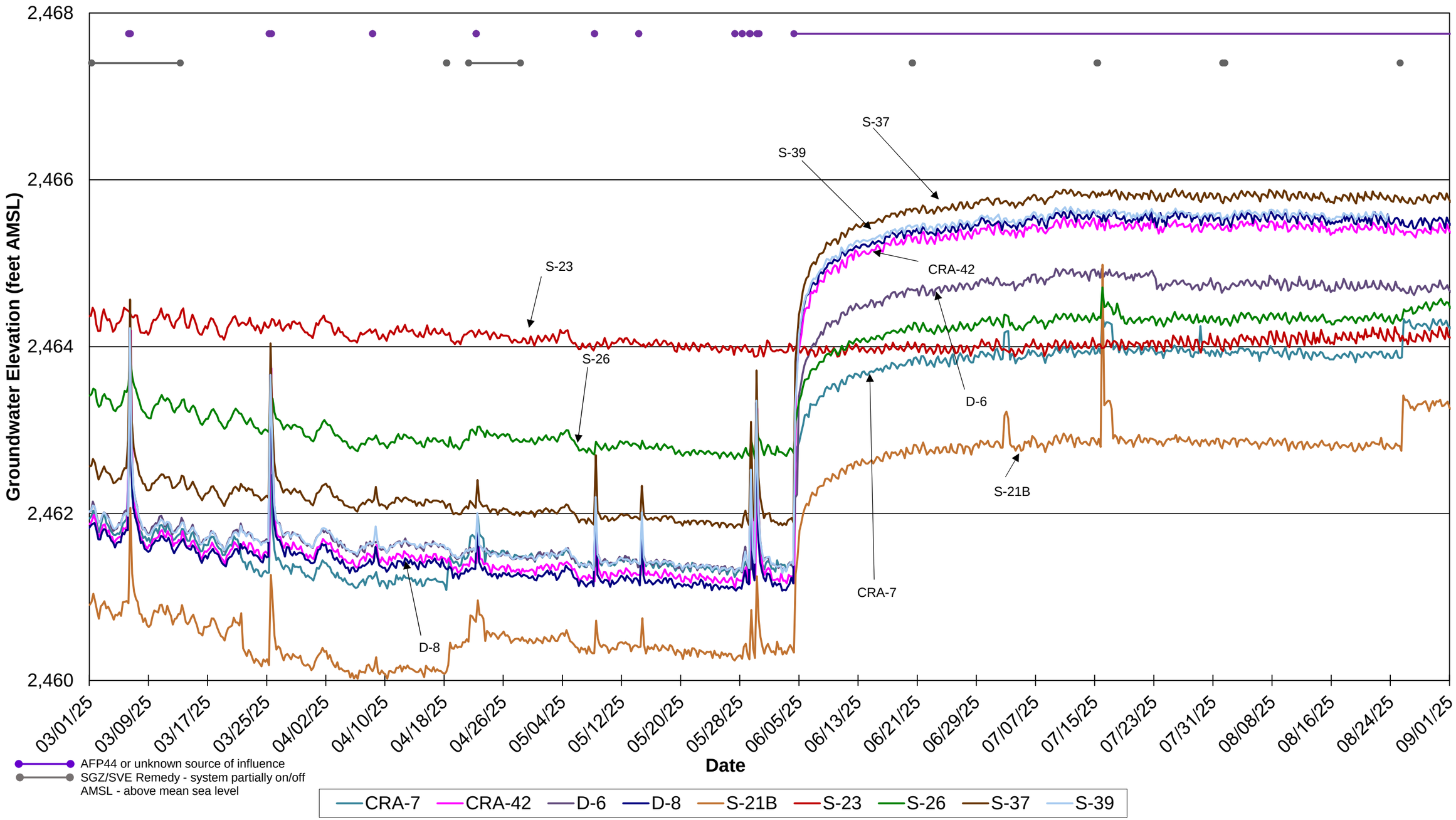


FIGURE 3.5a
OFF-AIRPORT PROPERTY TRANSDUCER HYDROGRAPHS
TIAA SUPERFUND SITE - AIRPORT PROPERTY
TUCSON, ARIZONA

GHD 12619196-RPT-5

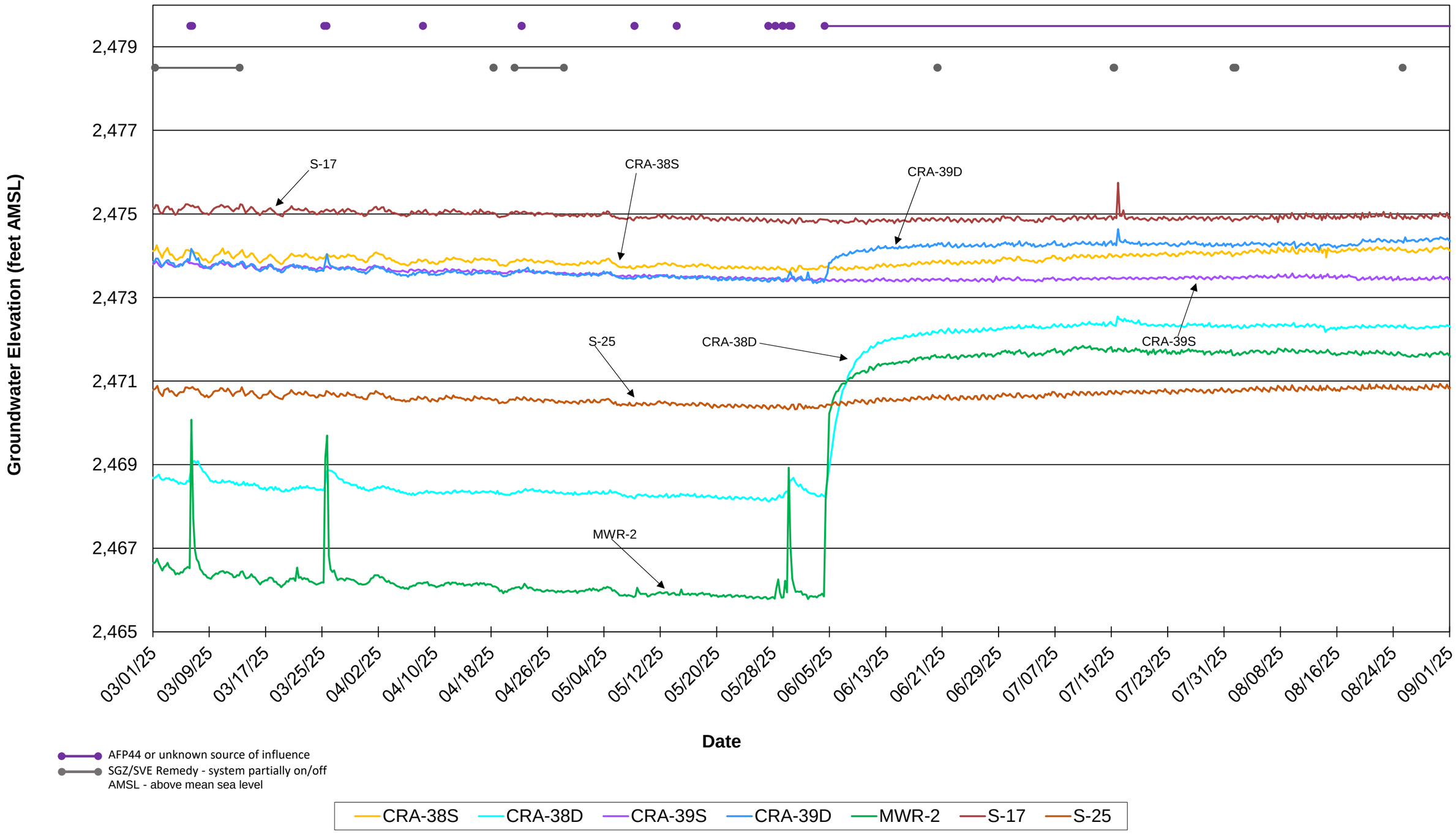


FIGURE 3.5b
S-17 AREA TRANSDUCER HYDROGRAPHS
TIAA SUPERFUND SITE - AIRPORT PROPERTY
TUCSON, ARIZONA

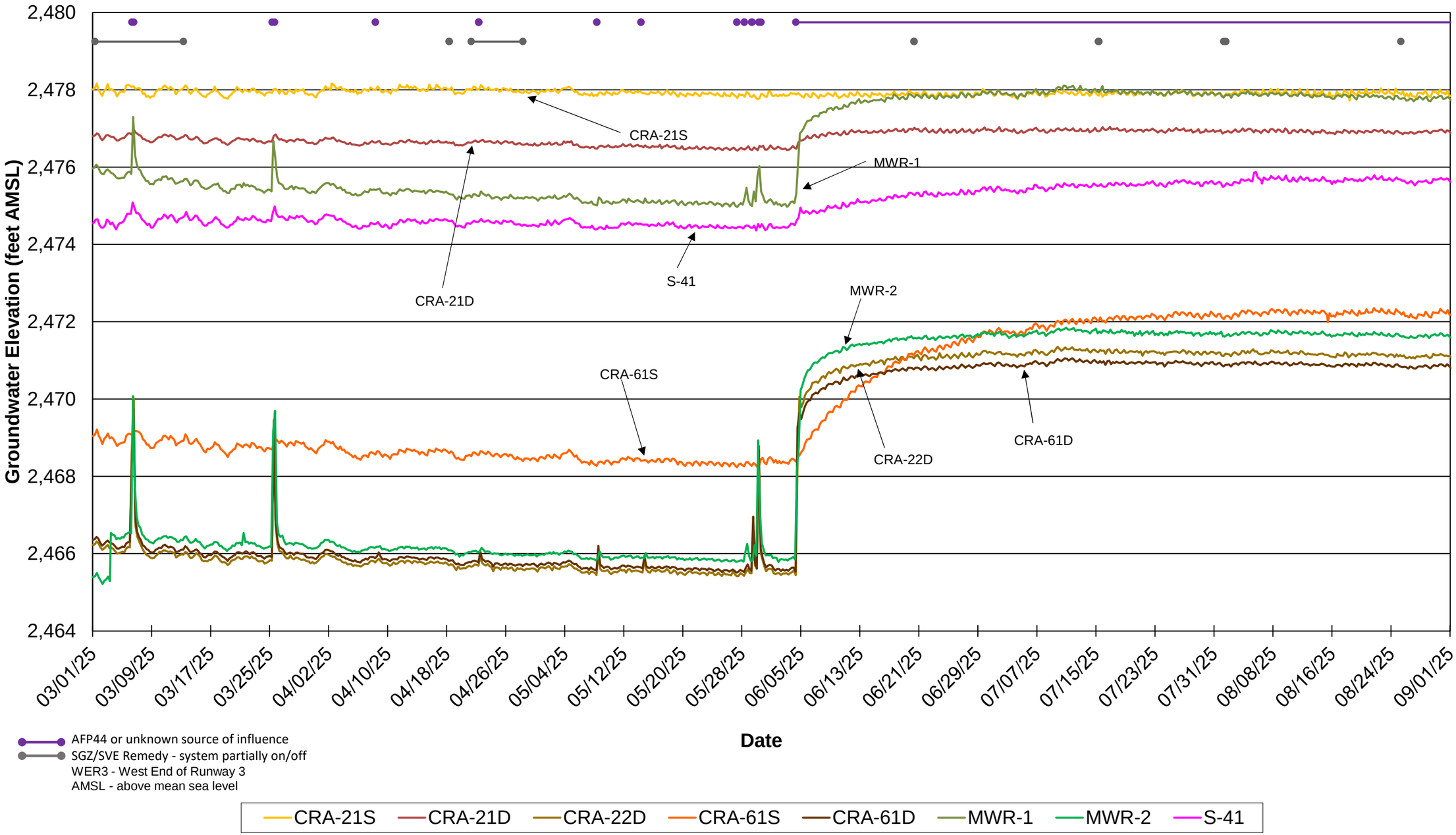


FIGURE 3.5c
WER3 AREA TRANSDUCER HYDROGRAPHS
TIAA SUPERFUND SITE - AIRPORT PROPERTY
TUCSON, ARIZONA

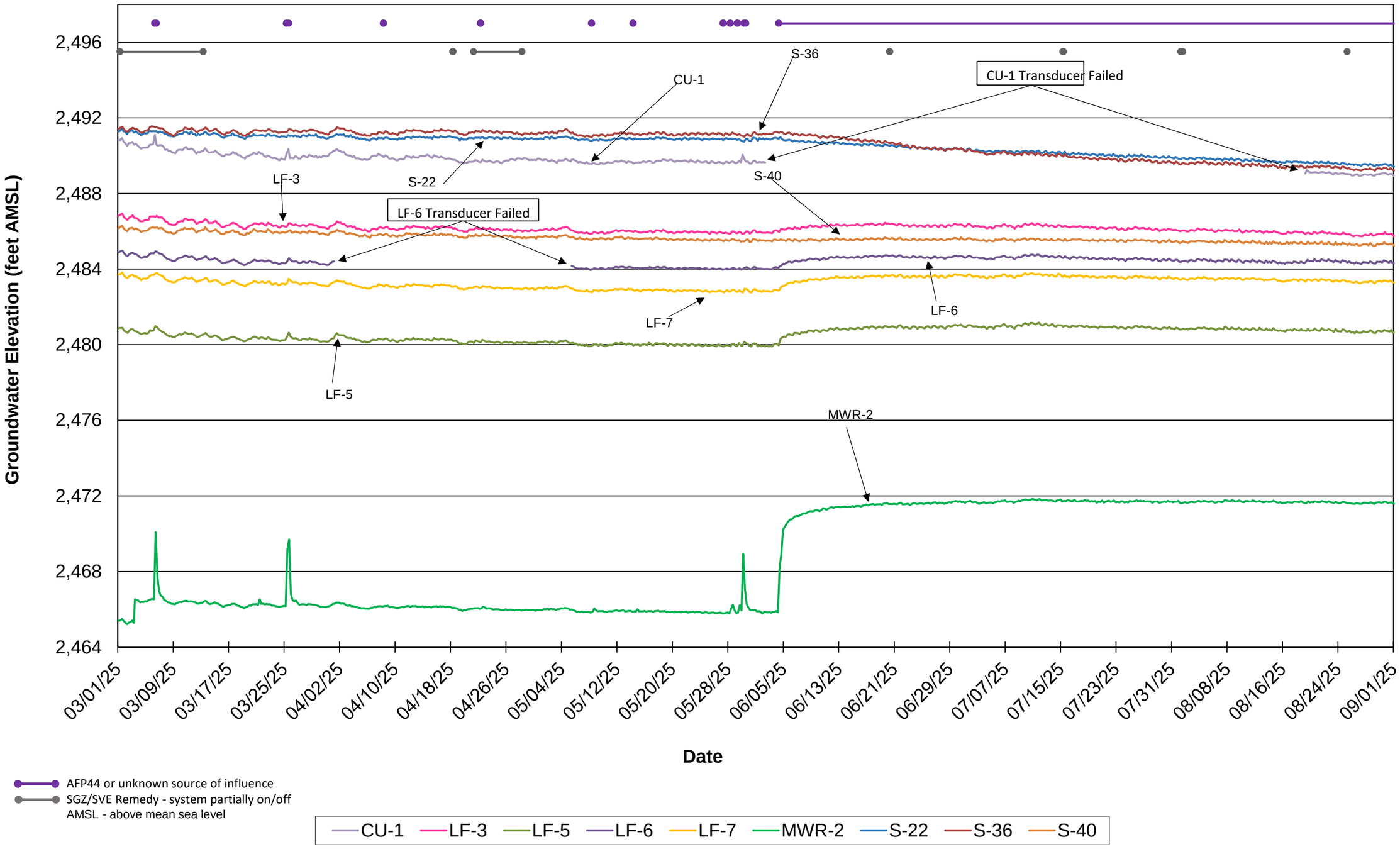
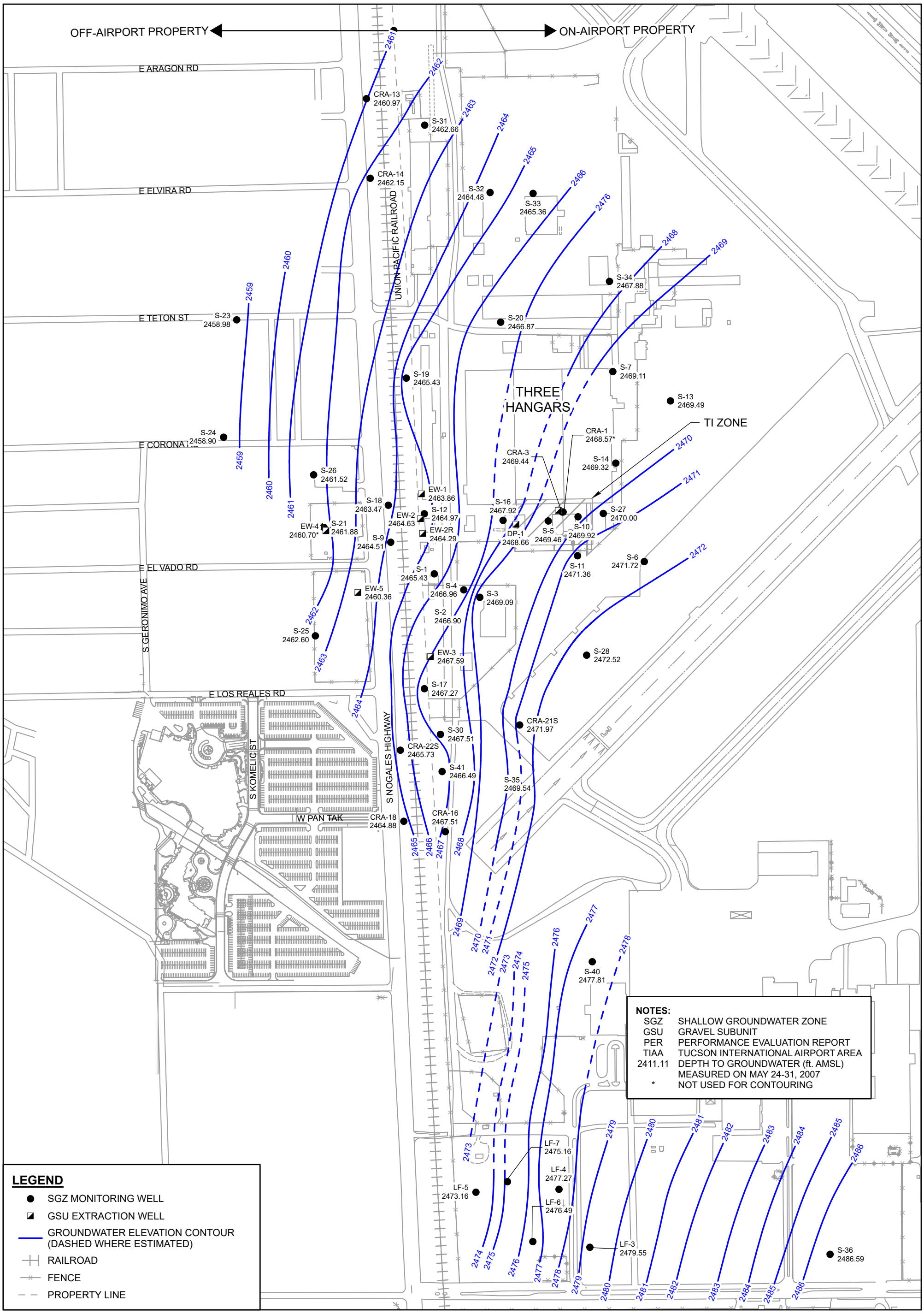


FIGURE 3.5d
PLUG-IN SUBSITES TRANSDUCER HYDROGRAPHS
TIAA SUPERFUND SITE - AIRPORT PROPERTY
TUCSON, ARIZONA



0 100 200 300 400
US Feet

Map Projection: Transverse Mercator
Horizontal Datum: North American 1983
Grid: NAD 1983 StatePlane Arizona Central FIPS 0202 Feet

N

GHD

TIAA SUPERFUND SITE
AIRPORT PROPERTY, TUCSON, ARIZONA
THIRTY-SIXTH PER

POTENTIOMETRIC SURFACE OF THE SGZ BASELINE 2007

Project No. **12619196**
Date **October 2025**

FIGURE 3.6

N:\US\Azure\EastUS\12619196\GIS\Maps\Deliverables\1_Reports\12619196_THIRTY-SIXTH_PER\12619196_THIRTY-SIXTH_PER.aprx
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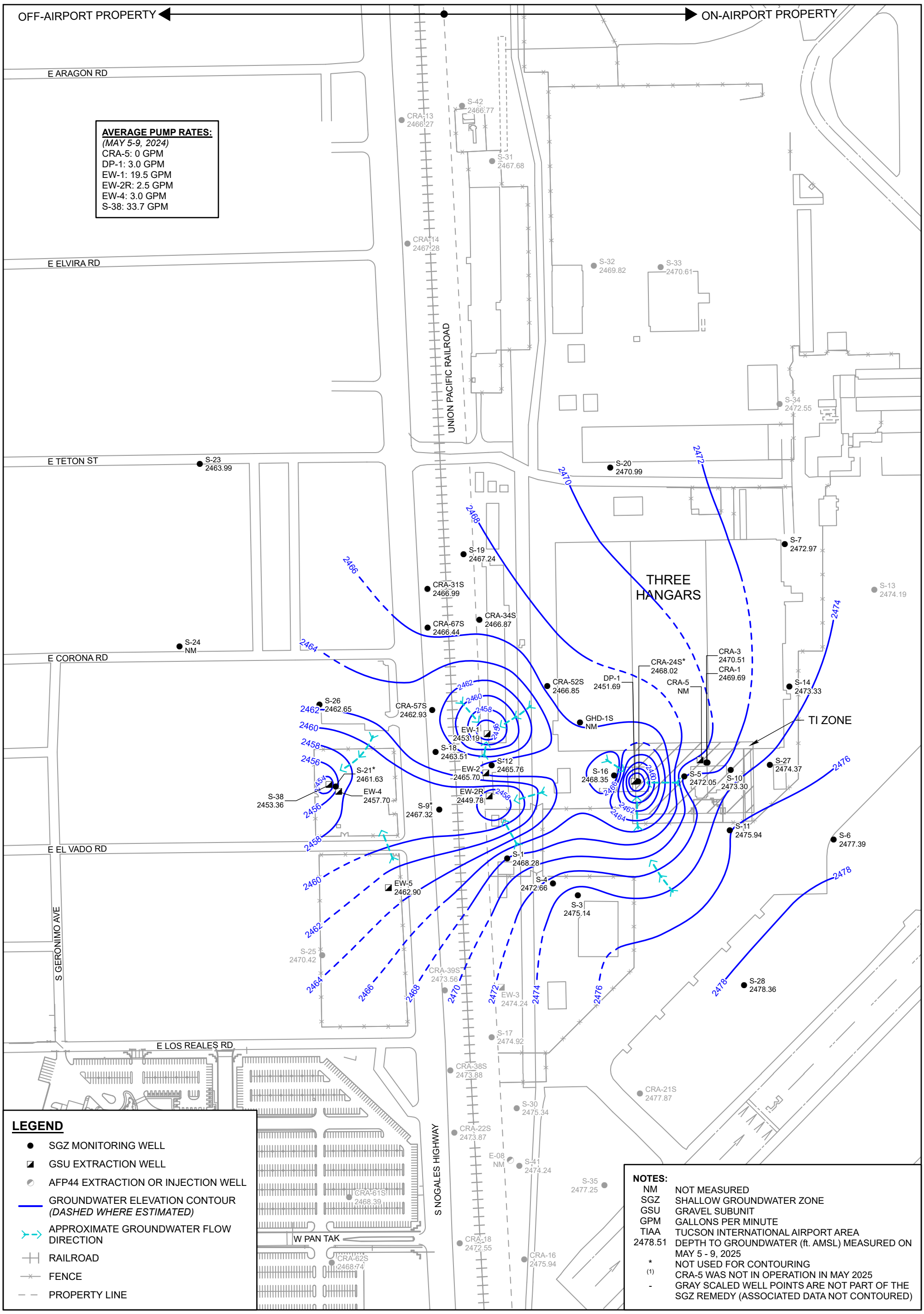

0 100 200 300
US Feet

Map Projection: Transverse Mercator
Horizontal Datum: North American 1983
Grid: NAD 1983 StatePlane Arizona Central FIPS 0202 Feet

N

GHD

TIAA SUPERFUND SITE
AIRPORT PROPERTY, TUCSON, ARIZONA
THIRTY-SIXTH PER

Project No. 12619196
Date October 2025

POTENTIOMETRIC SURFACE OF THE SGZ - MAY 2025

FIGURE 3.7

N:\US\Azure\EastUS\12619196\GIS\Maps\Deliverables\1_Reports\12619196_THIRTY-SIXTH_PER\12619196_THIRTY-SIXTH_PER.aprx
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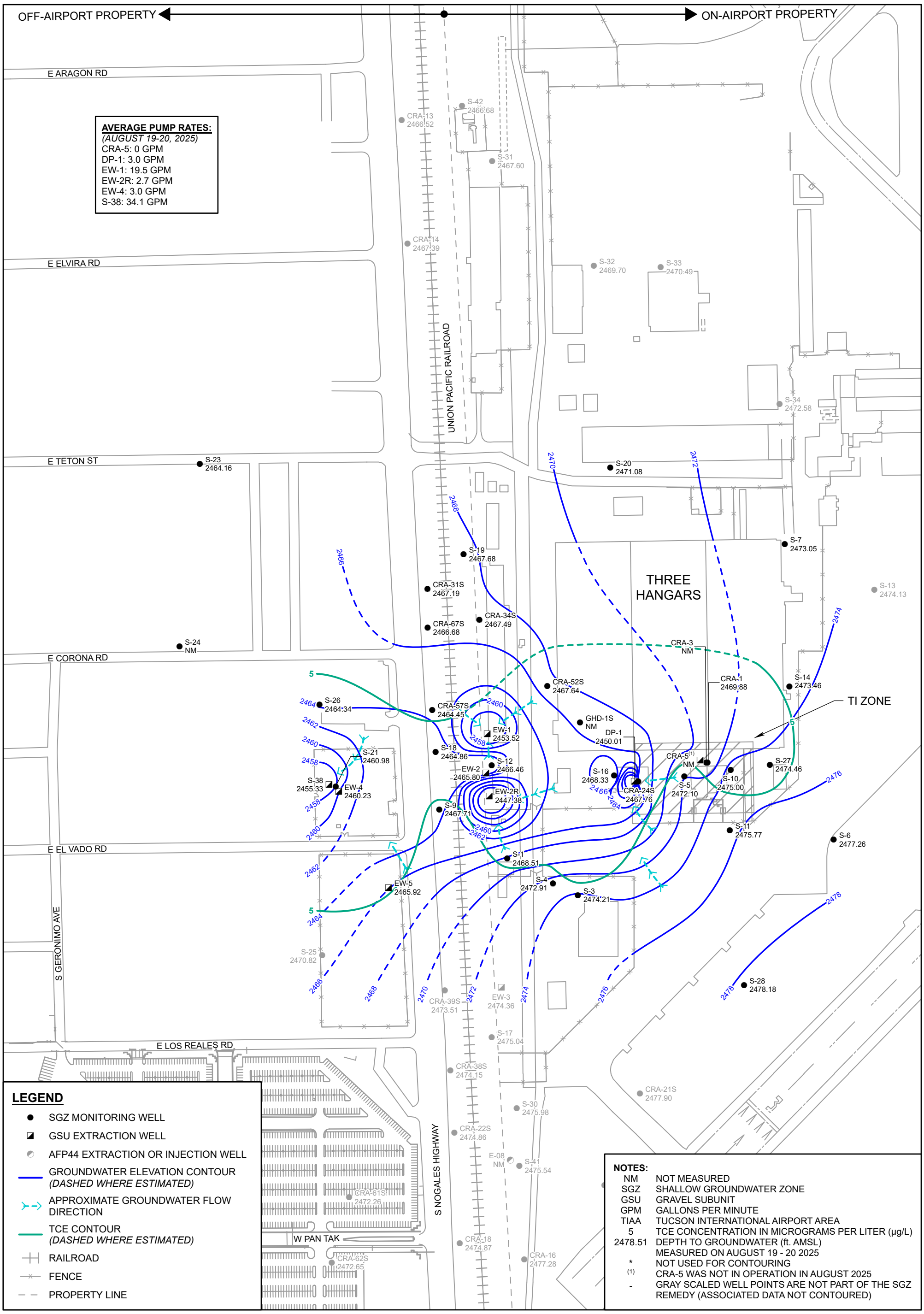

0 100 200 300
US Feet

Map Projection: Transverse Mercator
Horizontal Datum: North American 1983
Grid: NAD 1983 StatePlane Arizona Central FIPS 0202 Feet

N

GHD

TIAA SUPERFUND SITE
AIRPORT PROPERTY, TUCSON, ARIZONA
THIRTY-SIXTH PER

POTENTIOMETRIC SURFACE OF THE SGZ - AUGUST 2025

Project No. **12619196**
Date **October 2025**

FIGURE 3.8

N:\US\Azure\EastUS\12619196\GIS\Maps\Deliverables\1_Reports\12619196_THIRTY-SIXTH_PER\12619196_THIRTY-SIXTH_PER.aprx
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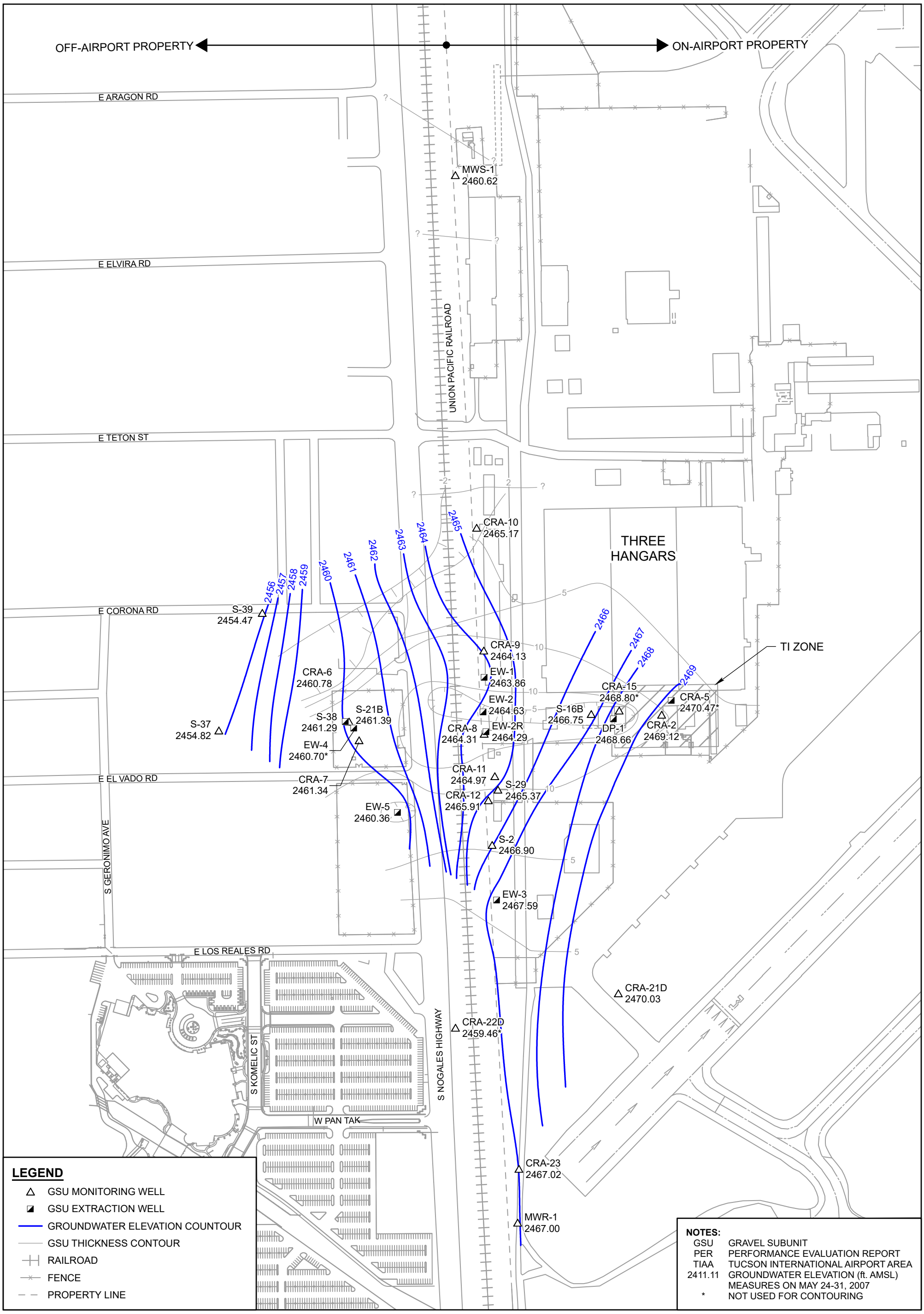

0 100 200 300
US Feet

Map Projection: Transverse Mercator
Horizontal Datum: North American 1983
Grid: NAD 1983 StatePlane Arizona Central FIPS 0202 Feet

N

GHD

TIAA SUPERFUND SITE
AIRPORT PROPERTY, TUCSON, ARIZONA
THIRTY-SIXTH PER

POTENTIOMETRIC SURFACE OF THE GSU - BASELINE 2007

Project No. **12619196**
Date **October 2025**

FIGURE 3.9

N:\US\Azure\EastUS\12619196\GIS\Maps\Deliverables\1_Reports\12619196_THIRTY-SIXTH_PER\12619196_THIRTY-SIXTH_PER.aprx
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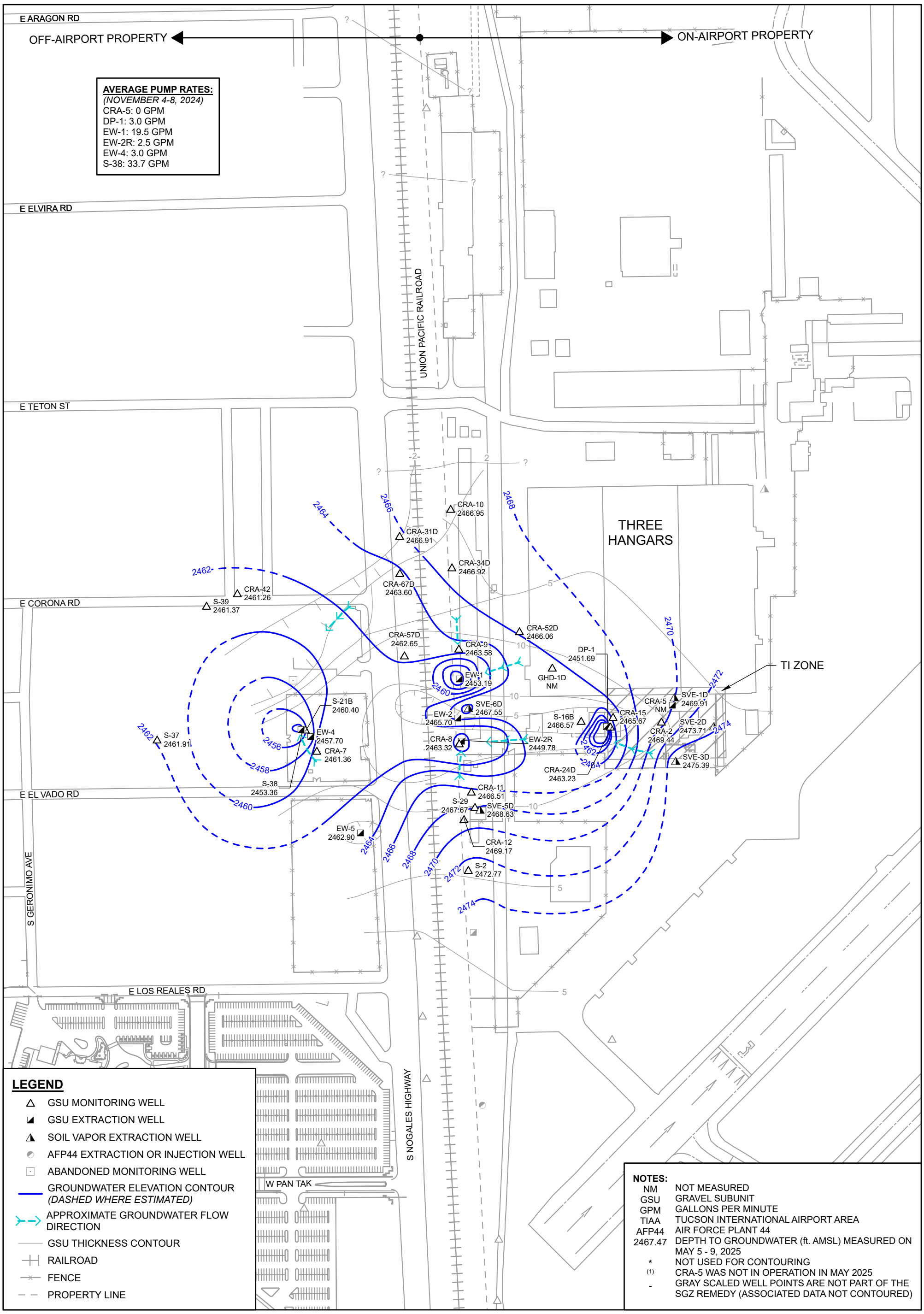

0 100 200 300
US Feet

Map Projection: Transverse Mercator
Horizontal Datum: North American 1983
Grid: NAD 1983 StatePlane Arizona Central FIPS 0202 Feet

N

GHD

TIAA SUPERFUND SITE
AIRPORT PROPERTY, TUCSON, ARIZONA
THIRTY-SIXTH PER

POTENTIOMETRIC SURFACE OF THE GSU - MAY 2025

Project No. **12619196**
Date **October 2025**

FIGURE 3.10

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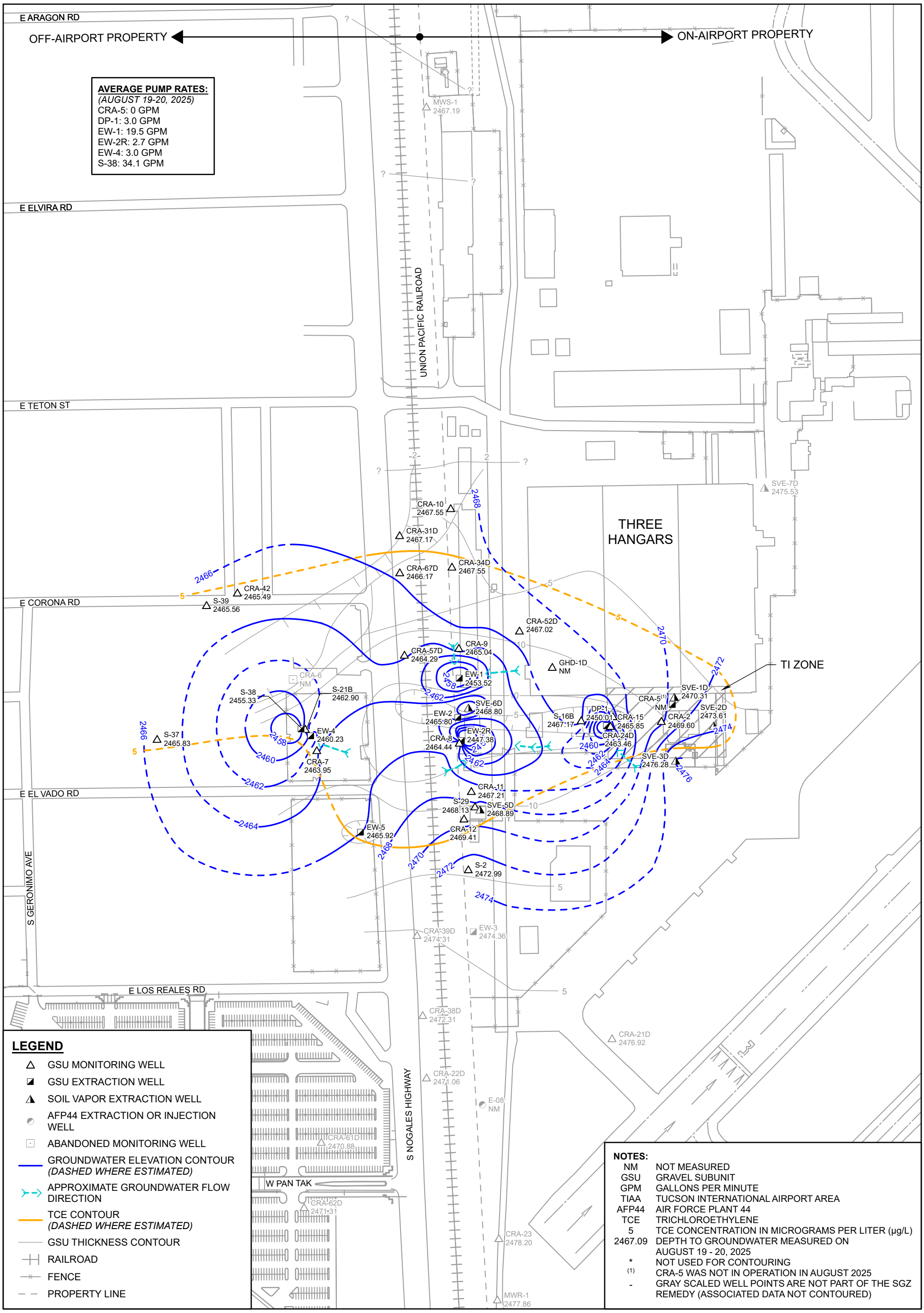

0 100 200 300
US Feet

Map Projection: Transverse Mercator
Horizontal Datum: North American 1983
Grid: NAD 1983 StatePlane Arizona Central FIPS 0202 Feet

N

GHD

TIAA SUPERFUND SITE
AIRPORT PROPERTY, TUCSON, ARIZONA
THIRTY-SIXTH PER

POTENTIOMETRIC SURFACE OF THE GSU - AUGUST 2025

Project No. **12619196**
Date **October 2025**

FIGURE 3.11

N:\US\Azure\EastUS\12619196\GIS\Maps\Deliverables\1_Reports\12619196_THIRTY-SIXTH_PER\12619196_THIRTY-SIXTH_PER.aprx
Print date: 23 Oct 2025 - 14:30

Data source: . Created by: cgerdts

OFF-AIRPORT PROPERTY

ON-AIRPORT PROPERTY

E ARAGON RD

E ELVIRA RD

E TETON ST

E CORONA RD

E EL VADO RD

E LOS REALES RD

W PAN TAK

S GERONIMO AVE

S KOMELIC ST

S NOGALES HIGHWAY

UNION PACIFIC RAILROAD

THREE HANGARS

TI ZONE

D-1 2457.51

D-2 2456.42

D-3 2458.93

D-4 2455.46

D-5 2456.12

D-6 2453.88

D-7 2453.43

D-8 2454.31

D-9 2455.35

RW-01 2458.93

MWR-2 2460.18

2454

2455

2456

2457

2458

2459

2460

LEGEND

- RA MONITORING WELL
- REINJECTION WELL
- GROUNDWATER ELEVATION CONTOUR
- PROPERTY LINE
- RAILROAD
- FENCE

NOTES:

RA	REGIONAL AQUIFER
PER	PERFORMANCE EVALUATION REPORT
TIAA	TUCSON INTERNATIONAL AIRPORT AREA
2411.11	DEPTH TO GROUNDWATER (ft. AMSL)
-	MEASURED ON MAY 24-31, 2007

0 175 350

US Feet

N

Map Projection: Transverse Mercator
Horizontal Datum: North American 1983
Grid: NAD 1983 StatePlane Arizona Central FIPS 0202 Feet

GHD

TIAA SUPERFUND SITE
AIRPORT PROPERTY, TUCSON, ARIZONA
THIRTY-SIXTH PER

POTENTIOMETRIC SURFACE OF THE RA - BASELINE 2007

Project No. **12619196**
Date **September 2025**

FIGURE 3.12

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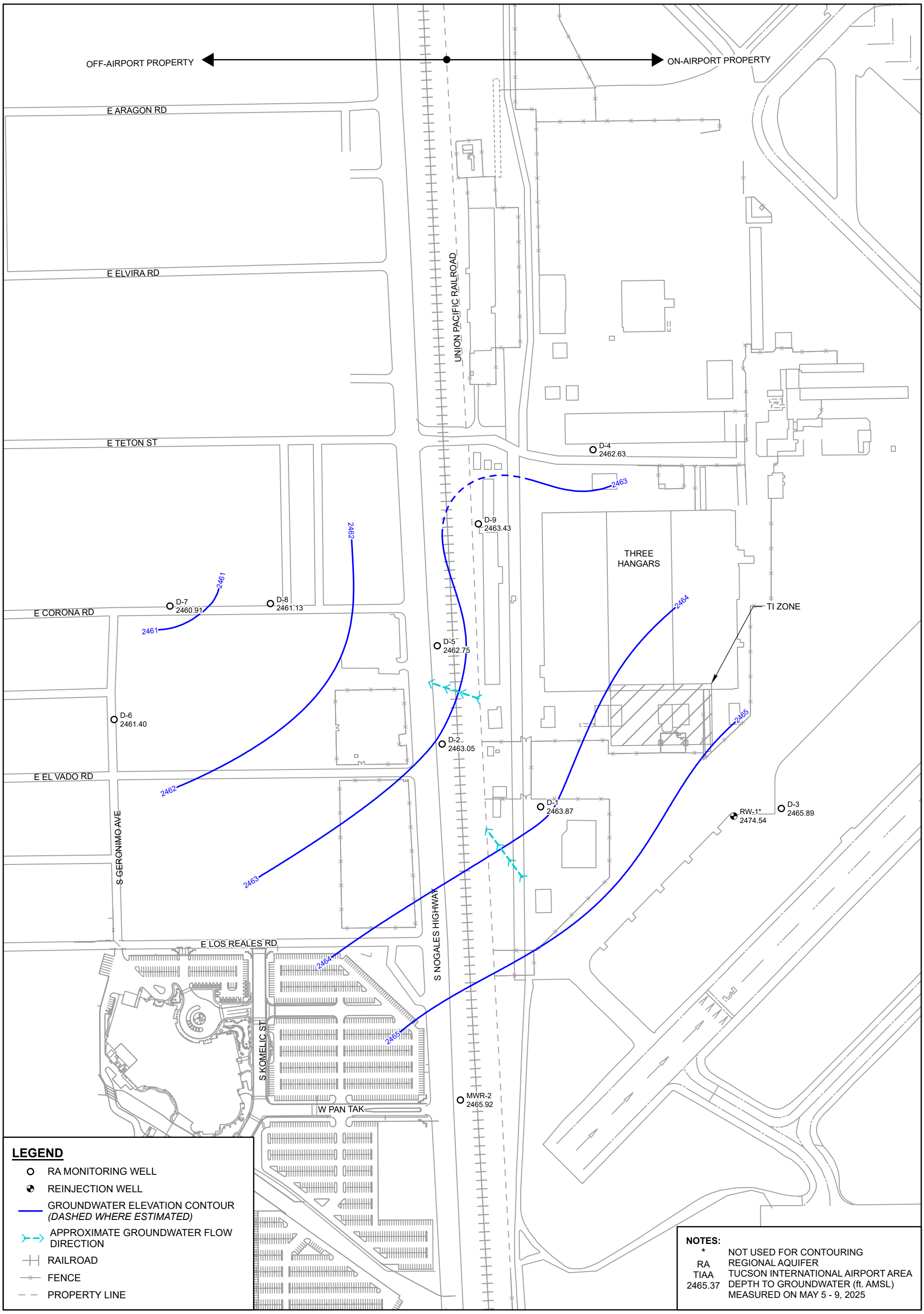

LEGEND

- RA MONITORING WELL
- REINJECTION WELL
- GROUNDWATER ELEVATION CONTOUR *(DASHED WHERE ESTIMATED)*
- APPROXIMATE GROUNDWATER FLOW DIRECTION
- RAILROAD
- FENCE
- PROPERTY LINE

NOTES:

*	NOT USED FOR CONTOURING
RA	REGIONAL AQUIFER
TIAA	TUCSON INTERNATIONAL AIRPORT AREA
2465.37	DEPTH TO GROUNDWATER (ft. AMSL) MEASURED ON MAY 5 - 9, 2025

0 175 350
US Feet

Map Projection: Transverse Mercator
Horizontal Datum: North American 1983
Grid: NAD 1983 StatePlane Arizona Central FIPS 0202 Feet

N

GHD

TIAA SUPERFUND SITE
AIRPORT PROPERTY, TUCSON, ARIZONA
THIRTY-SIXTH PER

POTENTIOMETRIC SURFACE OF THE RA - MAY 2025

Project No. **12619196**
Date **October 2025**

FIGURE 3.13

N:\US\Azure\EastUS\12619196\GIS\Maps\Deliverables\1_Reports\12619196_THIRTY-SIXTH_PER\12619196_THIRTY-SIXTH_PER.aprx
Print date: 23 Oct 2025 - 15:33

Data source: . Created by: mhargrave

OFF-AIRPORT PROPERTY

ON-AIRPORT PROPERTY

E ARAGON RD

E ELVIRA RD

E TETON ST

E CORONA RD

E EL VADO RD

E LOS REALES RD

W PAN TAK

S GERONIMO AVE

S KOMELIC ST

S NOGALES HIGHWAY

UNION PACIFIC RAILROAD

THREE HANGARS

TI ZONE

D-1 2469.78

D-2 2468.37

D-3 2471.60

D-4 2467.49

D-5 2468.06

D-6 2464.95

D-7 2464.77

D-8 2465.48

D-9 2467.35

RW-1* 2485.16

MWR-2 2471.56

2465

2466

2467

2468

2469

2470

2471

LEGEND

- RA MONITORING WELL
- REINJECTION WELL
- GROUNDWATER ELEVATION CONTOUR
- AUGUST2025_RA_Flow
- RAILROAD
- FENCE
- PROPERTY LINE

NOTES:

*	NOT USED FOR CONTOURING
RA	REGIONAL AQUIFER
TIAA	TUCSON INTERNATIONAL AIRPORT AREA
2465.38	DEPTH TO GROUNDWATER (ft. AMSL) MEASURED ON AUGUST 19 - 20, 2025

0 175 350

US Feet

N

Map Projection: Transverse Mercator
Horizontal Datum: North American 1983
Grid: NAD 1983 StatePlane Arizona Central FIPS 0202 Feet

GHD

TIAA SUPERFUND SITE
AIRPORT PROPERTY, TUCSON, ARIZONA
THIRTY-SIXTH PER

POTENTIOMETRIC SURFACE OF THE RA - AUGUST 2025

Project No. **12619196**
Date **October 2025**

FIGURE 3.14

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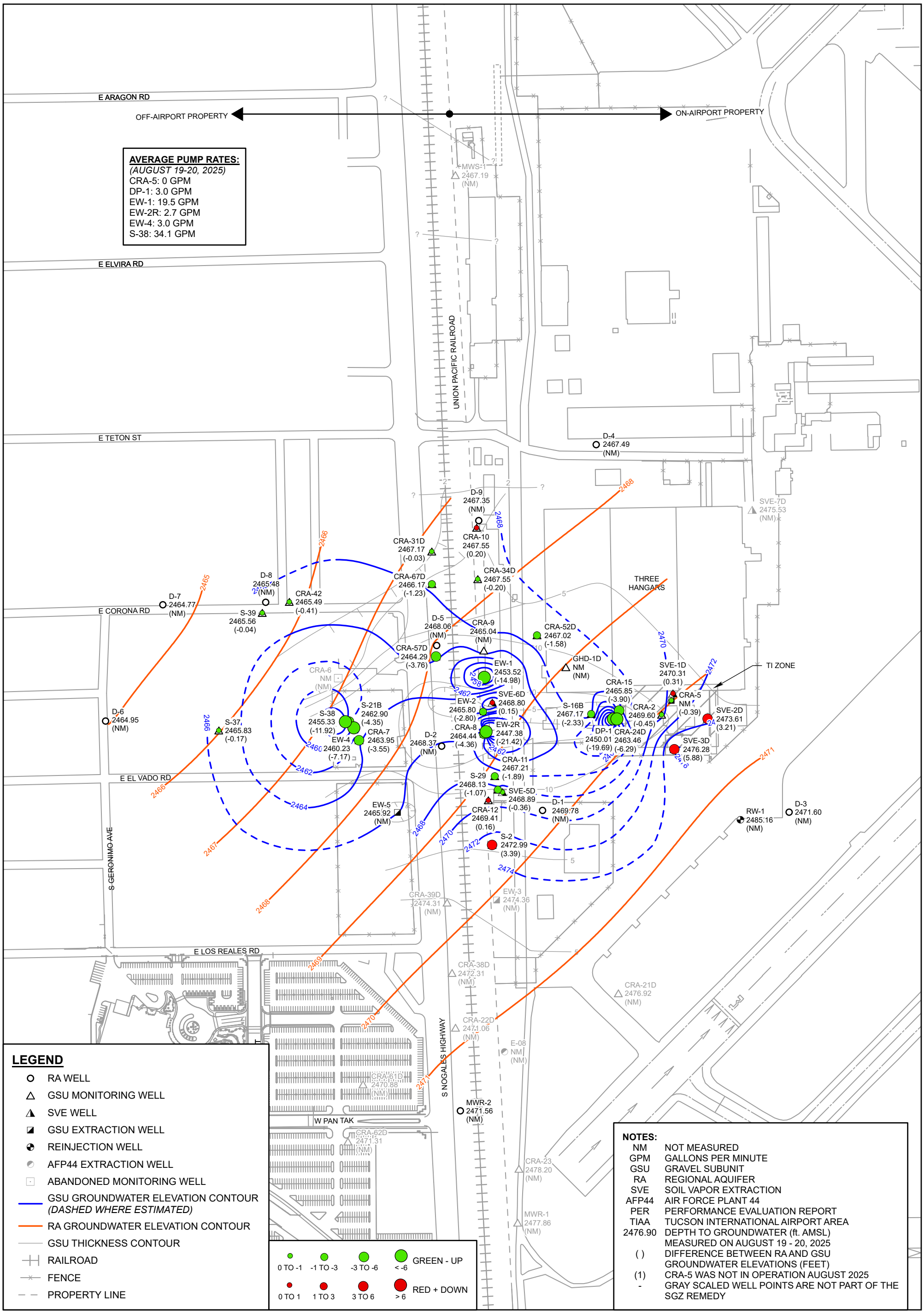


0 175 350
US Feet

Map Projection: Transverse Mercator
Horizontal Datum: North American 1983
Grid: NAD 1983 StatePlane Arizona Central FIPS 0202 Feet

N

GHD

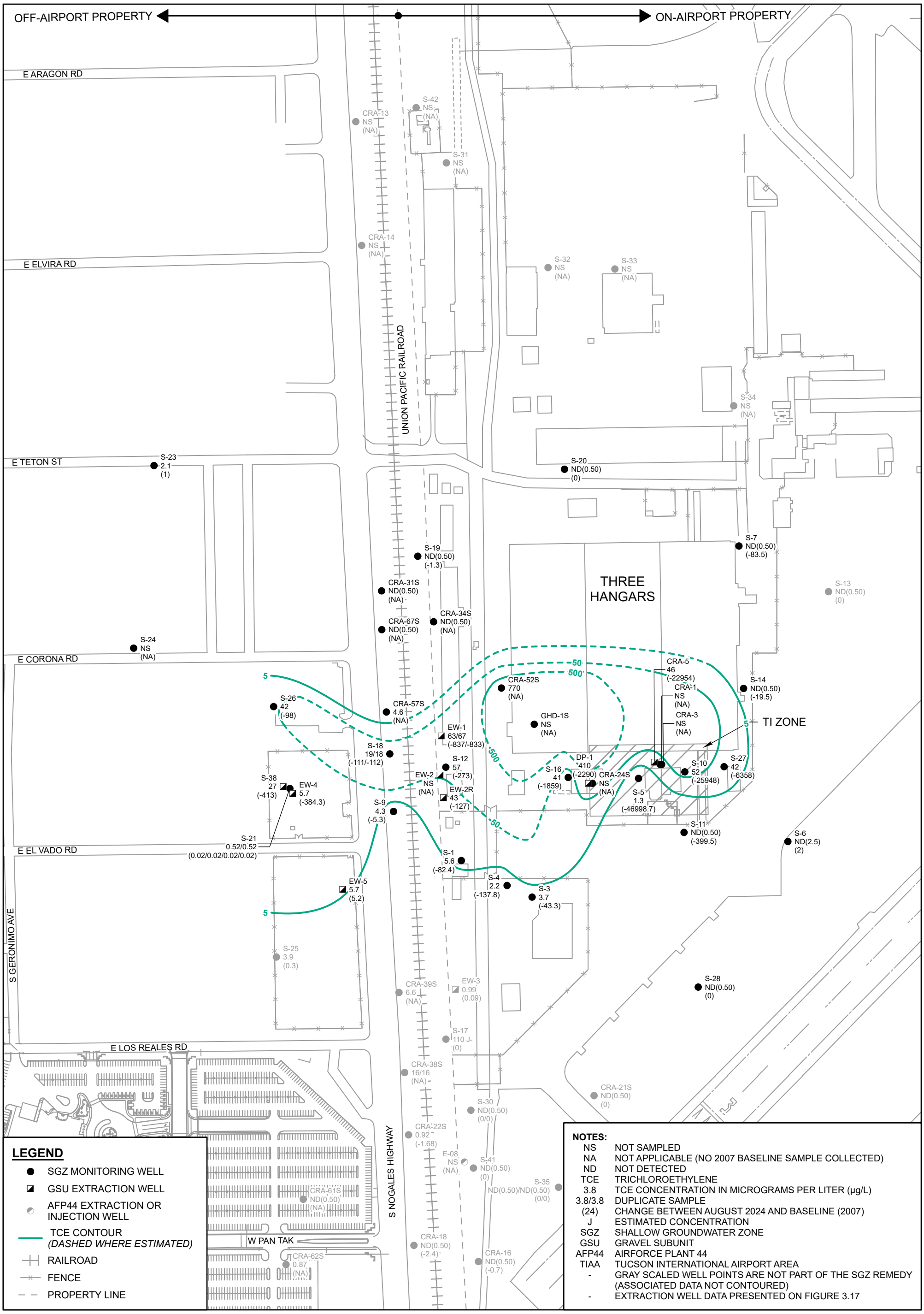
TIAA SUPERFUND SITE
AIRPORT PROPERTY, TUCSON, ARIZONA
THIRTY-SIXTH PER
AUGUST 2025
VERTICAL HEAD DIFFERENTIAL BETWEEN THE GSU AND RA

Project No. 12619196
Date October 2025

FIGURE 3.15

N:\US\Azure\EastUS\12619196\GIS\Maps\Deliverables\1_Reports\12619196_THIRTY-SIXTH_PER\12619196_THIRTY-SIXTH_PER.aprx
Print date: 23 Oct 2025 - 18:22

Data source: . Created by: cgerdts



0 100 200 300
US Feet

Map Projection: Transverse Mercator
Horizontal Datum: North American 1983
Grid: NAD 1983 StatePlane Arizona Central FIPS 0202 Feet

N

GHD

TIAA SUPERFUND SITE
AIRPORT PROPERTY, TUCSON, ARIZONA
THIRTY-SIXTH PER

AUGUST 2025
TCE CONCENTRATIONS IN THE SGZ

Project No. **12619196**
Date **October 2025**

FIGURE 3.16

N:\US\Azure\EastUS\12619196\GIS\Maps\Deliverables\1_Reports\12619196_THIRTY-SIXTH_PER\12619196_THIRTY-SIXTH_PER.aprx
Print date: 23 Oct 2025 - 13:36

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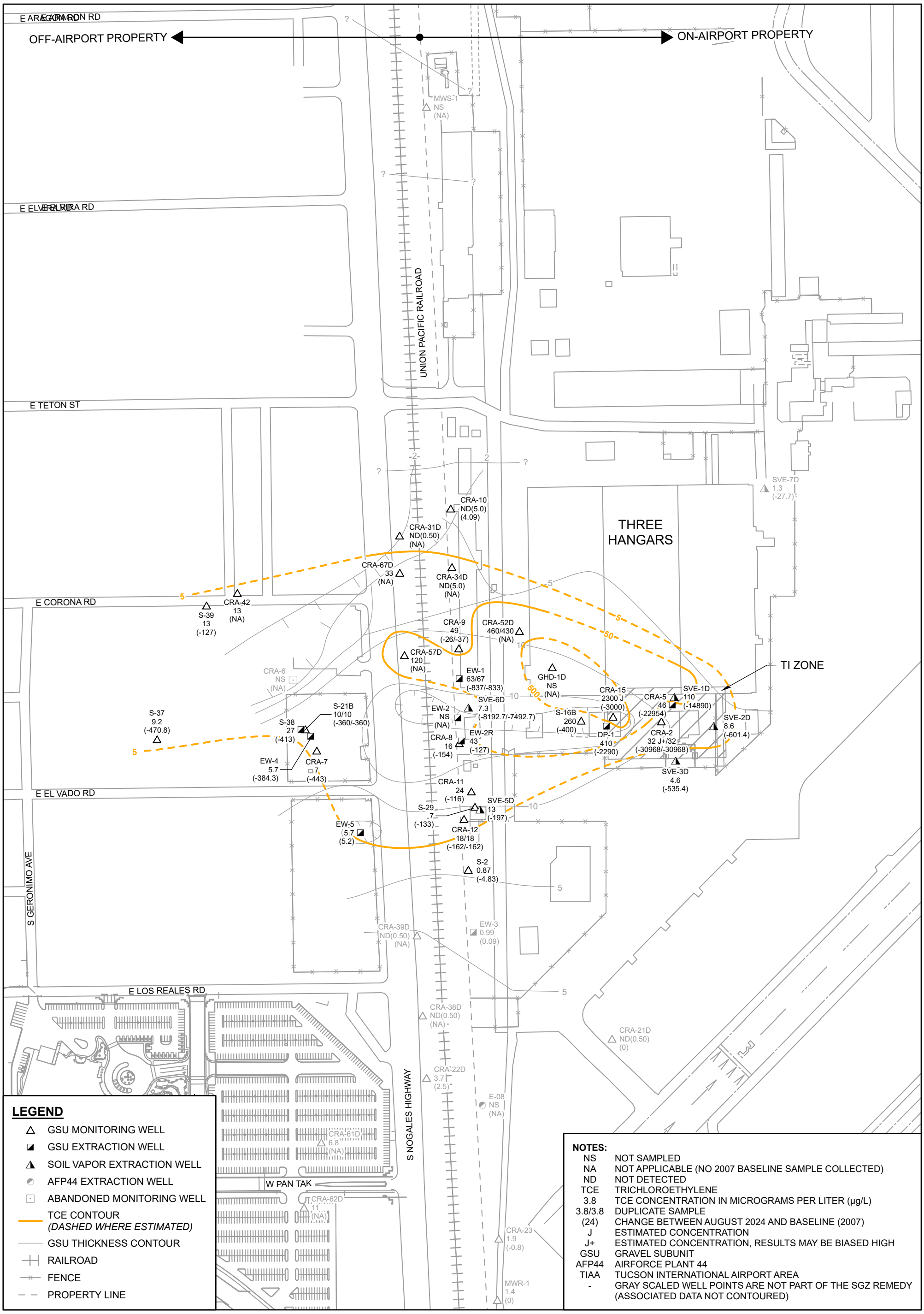

LEGEND

- GSU MONITORING WELL
- GSU EXTRACTION WELL
- SOIL VAPOR EXTRACTION WELL
- AFP44 EXTRACTION WELL
- ABANDONED MONITORING WELL
- TCE CONTOUR *(DASHED WHERE ESTIMATED)*
- GSU THICKNESS CONTOUR
- RAILROAD
- FENCE
- PROPERTY LINE

NOTES:

NS	NOT SAMPLED
NA	NOT APPLICABLE (NO 2007 BASELINE SAMPLE COLLECTED)
ND	NOT DETECTED
TCE	TRICHLOROETHYLENE
3.8	TCE CONCENTRATION IN MICROGRAMS PER LITER (µg/L)
3.8/3.8	DUPLICATE SAMPLE
(24)	CHANGE BETWEEN AUGUST 2024 AND BASELINE (2007)
J	ESTIMATED CONCENTRATION
J+	ESTIMATED CONCENTRATION, RESULTS MAY BE BIASED HIGH
GSU	GRAVEL SUBUNIT
AFP44	AIRFORCE PLANT 44
TIAA	TUCSON INTERNATIONAL AIRPORT AREA
-	GRAY SCALED WELL POINTS ARE NOT PART OF THE SGZ REMEDY (ASSOCIATED DATA NOT CONTOURED)

0 100 200 300
US Feet

Map Projection: Transverse Mercator
Horizontal Datum: North American 1983
Grid: NAD 1983 StatePlane Arizona Central FIPS 0202 Feet

N

GHD

TIAA SUPERFUND SITE
AIRPORT PROPERTY, TUCSON, ARIZONA
THIRTY-SIXTH PER

AUGUST 2025
TCE CONCENTRATIONS IN THE GSU

Project No. **12619196**
Date **October 2025**

FIGURE 3.17

N:\US\Azure\EastUS\12619196\GIS\Maps\Deliverables\1_Reports\12619196_THIRTY-SIXTH_PER\12619196_THIRTY-SIXTH_PER.aprx
Print date: 23 Oct 2025 - 13:32

Data source: . Created by: cgerdts

OFF-AIRPORT PROPERTY

ON-AIRPORT PROPERTY

E ARAGON RD

E ELVIRA RD

E TETON ST

E CORONA RD

E EL VADO RD

E LOS REALES RD

W PAN TAK

S GERONIMO AVE

S KOMELIC ST

S NOGALES HIGHWAY

UNION PACIFIC RAILROAD

THREE HANGARS

TI ZONE

D-1 54 (50.3/50.4)

D-2 55/54 (48.4/47.4)

D-3 3.9 (2.8)

D-4 3.5 (-0.3/-0.4)

D-5 24 (20)

D-6 6.8 (0.6)

D-7 6.4 (-1.5)

D-8 7.3 (-2.7)

D-9 0.95 (-0.65)

RW-1 NS (NA)

MWR-2 5.1 (2.3)

LEGEND

- RA MONITORING WELL
- REINJECTION WELL
- RAILROAD
- FENCE
- PROPERTY LINE

NOTES:

NS	NOT SAMPLED
NA	NOT APPLICABLE (NO 2007 BASELINE SAMPLE COLLECTED)
TCE	TRICHLOROETHYLENE
3.8	TCE CONCENTRATION IN MICROGRAMS PER LITER (µg/L)
3.8/3.8	DUPLICATE SAMPLE
(24)	CHANGE BETWEEN AUGUST 2025 AND BASELINE (2007)
RA	REGIONAL AQUIFER
TIAA	TUCSON INTERNATIONAL AIRPORT AREA

0 175 350

US Feet

N

Map Projection: Transverse Mercator
Horizontal Datum: North American 1983
Grid: NAD 1983 StatePlane Arizona Central FIPS 0202 Feet

GHD

TIAA SUPERFUND SITE
AIRPORT PROPERTY, TUCSON, ARIZONA
THIRTY-SIXTH PER

AUGUST 2025
TCE CONCENTRATIONS IN THE RA

Project No. **12619196**
Date **October 2025**

FIGURE 3.18

N:\US\Azure\EastUS\12619196\GIS\Maps\Deliverables\1_Reports\12619196_THIRTY-SIXTH_PER\12619196_THIRTY-SIXTH_PER.aprx
Print date: 17 Oct 2025 - 11:19

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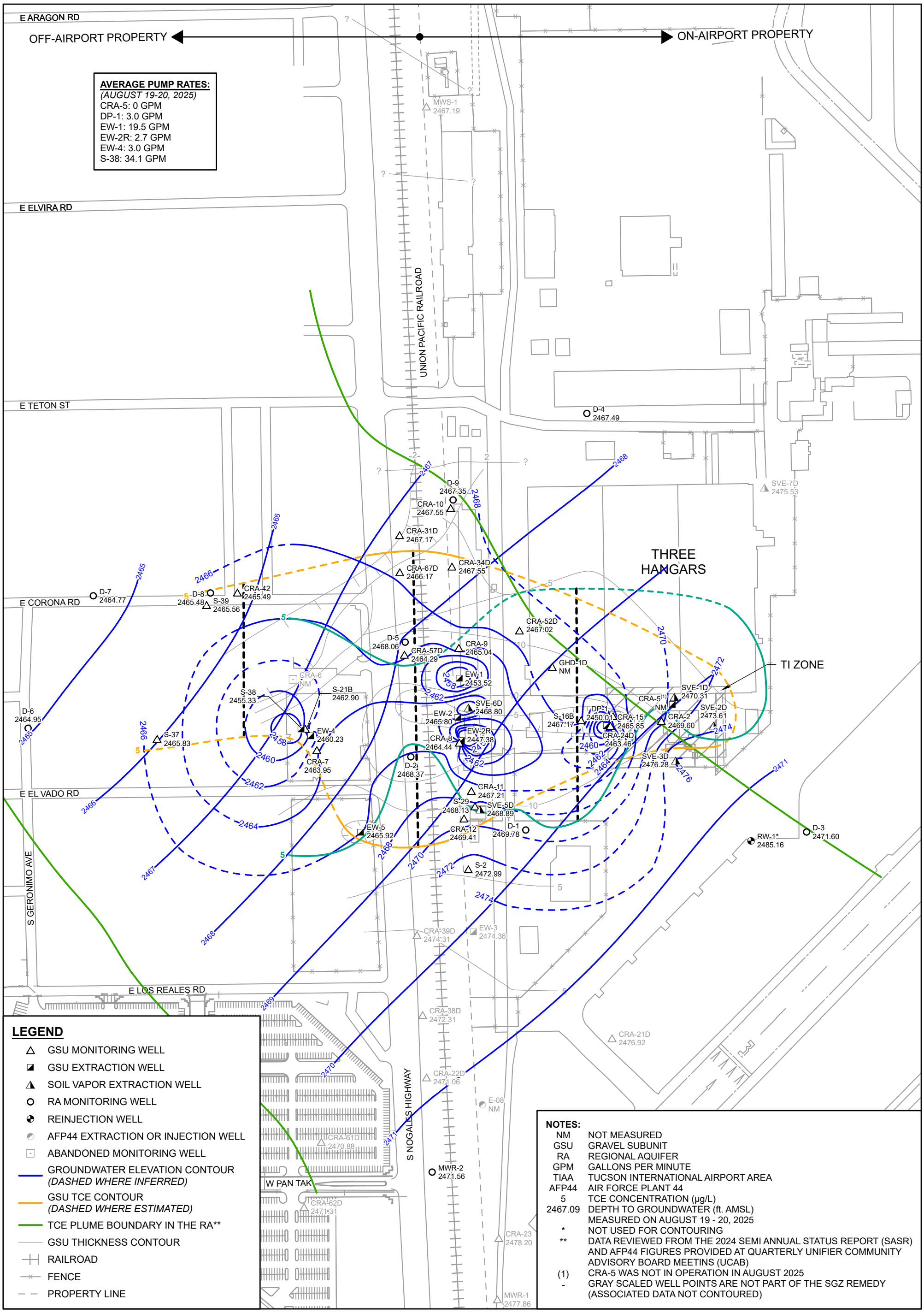

0 100 200 300
US Feet

Map Projection: Transverse Mercator
Horizontal Datum: North American 1983
Grid: NAD 1983 StatePlane Arizona Central FIPS 0202 Feet

N

GHD

TIAA SUPERFUND SITE
AIRPORT PROPERTY, TUCSON, ARIZONA
THIRTY-SIXTH PER

AUGUST 2025
INFERRED EXTEND OF CAPTURE

Project No. **12619196**
Date **October 2025**

FIGURE 3.19

N:\US\Azure\EastUS\12619196\GIS\Maps\Deliverables\1_Reports\12619196_THIRTY-SIXTH_PER\12619196_THIRTY-SIXTH_PER.aprx
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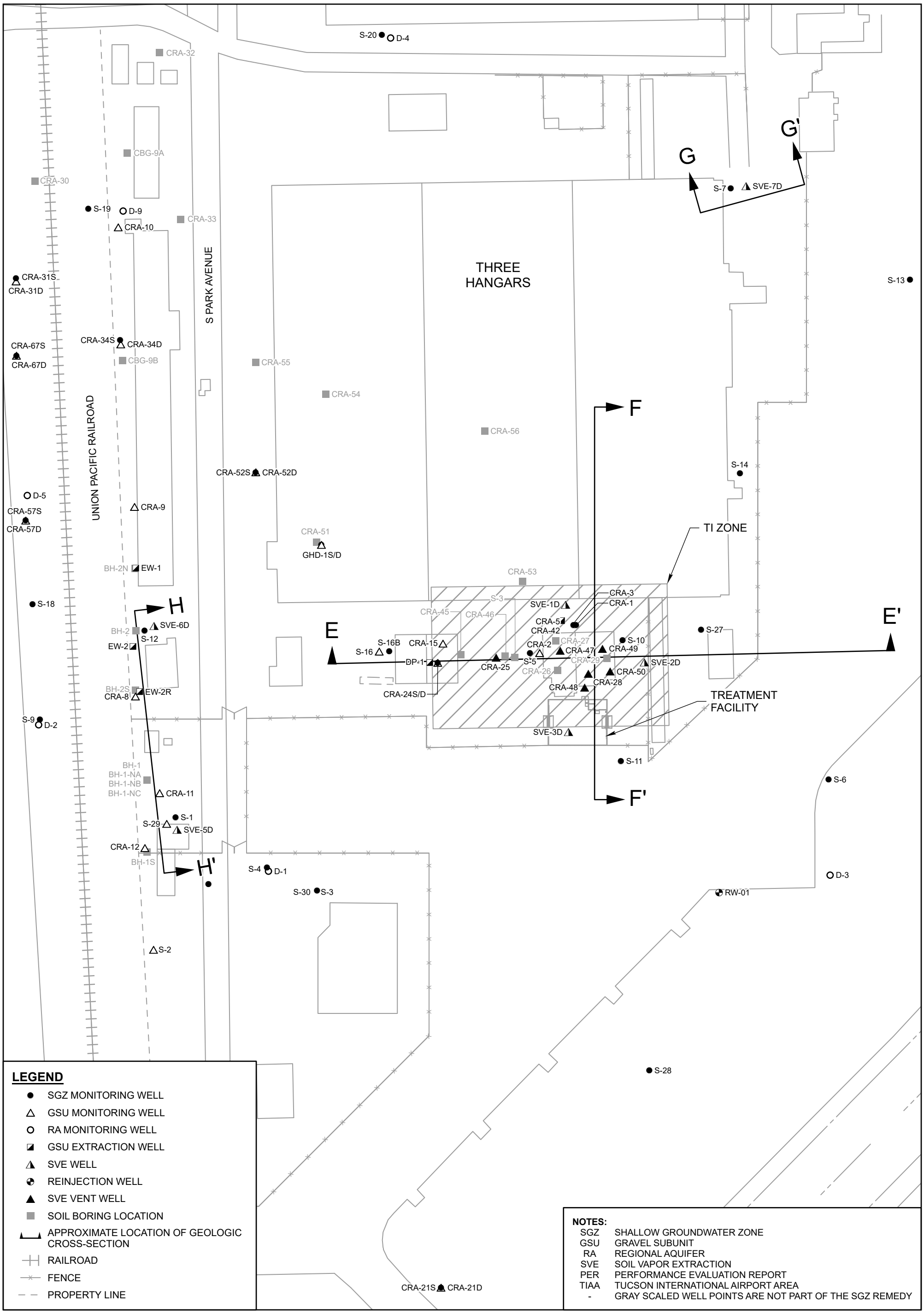


LEGEND

- SGZ MONITORING WELL
- GSU MONITORING WELL
- RA MONITORING WELL
- GSU EXTRACTION WELL
- SVE WELL
- REINJECTION WELL
- SVE VENT WELL
- SOIL BORING LOCATION
- APPROXIMATE LOCATION OF GEOLOGIC CROSS-SECTION
- RAILROAD
- FENCE
- PROPERTY LINE

NOTES:

SGZ	SHALLOW GROUNDWATER ZONE
GSU	GRAVEL SUBUNIT
RA	REGIONAL AQUIFER
SVE	SOIL VAPOR EXTRACTION
PER	PERFORMANCE EVALUATION REPORT
TIAA	TUCSON INTERNATIONAL AIRPORT AREA
-	GRAY SCALED WELL POINTS ARE NOT PART OF THE SGZ REMEDY

0 50 100 150
US Feet

Map Projection: Transverse Mercator
Horizontal Datum: North American 1983
Grid: NAD 1983 StatePlane Arizona Central FIPS 0202 Feet

N

GHD

TIAA SUPERFUND SITE
AIRPORT PROPERTY, TUCSON, ARIZONA
THIRTY-SIXTH PER

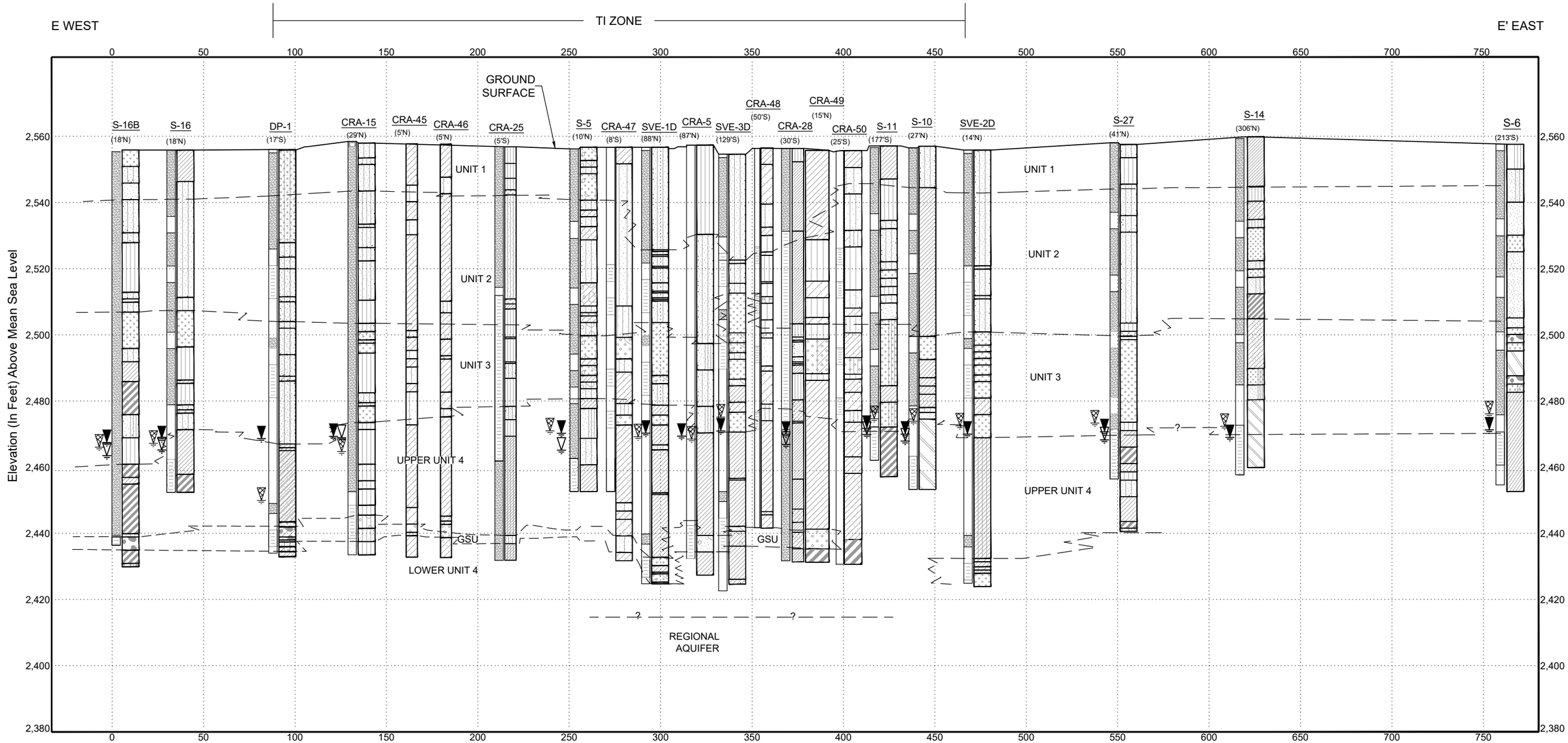
GEOLOGIC CROSS-SECTION LOCATIONS FOR SVE

Project No. **12619196**
Date **September 2025**

FIGURE 5.1

N:\US\Azure\EastUS\12619196\GIS\Maps\Deliverables\12619196_THIRTY-SIXTH_PER\12619196_THIRTY-SIXTH_PER.aprx
Print date: 18 Sep 2025 - 13:50

Data source: . Created by: mhargrave



TIAA SUPERFUND SITE
AIRPORT PROPERTY, TUCSON, ARIZONA
THIRTY-SIXTH PER

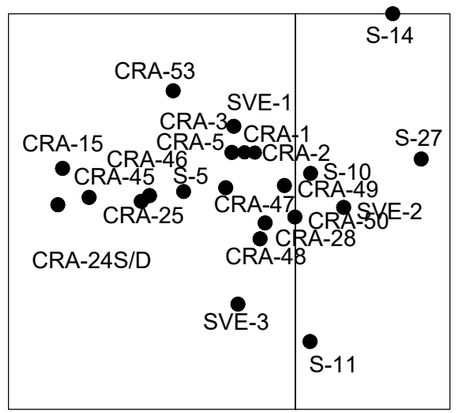
GEOLOGIC CROSS-SECTION E-E'

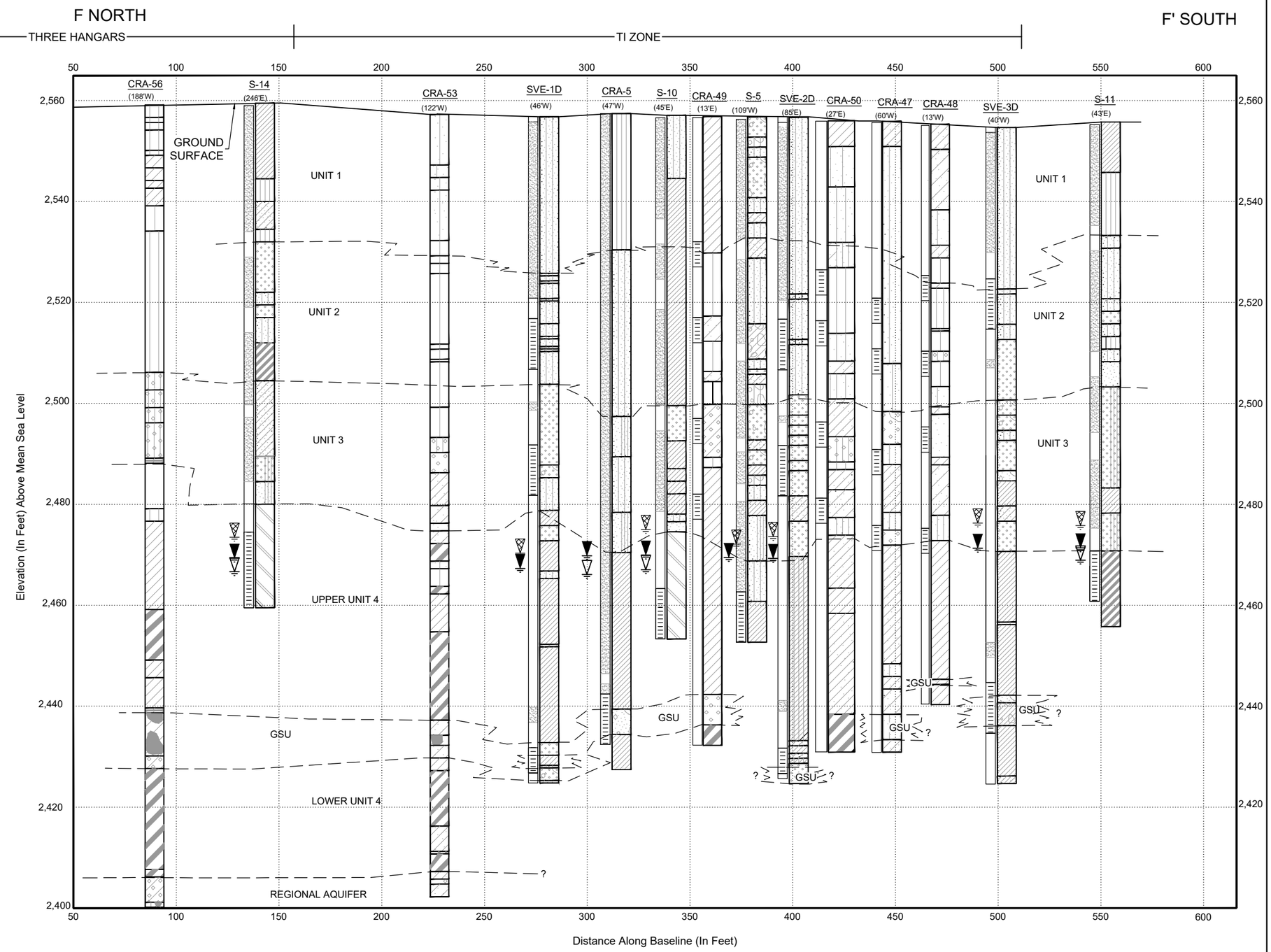
Project No. **12619196**
Date **October 2025**

FIGURE 5.2

Filename: N:\US\Tucson\Projects\561\12619196\Digital_Design\ACAD\Figures\1_Reports\12619196-(36)\12619196_007_GEO_XSEC_E.DWG
Plot Date: 27 October 2025 9:42 AM

Data Source





WATER LEVELS

- Depth Water Found
- Static Water Level (May 2007)
- Water Level (August 2025)

LITHOLOGY GRAPHICS

- USCS Silty Sand
- USCS Gravelly Silt
- USCS Sandy Silt
- USCS Poorly-Graded Gravel
- USCS Silt
- USCS Clayey Sand
- USCS Well-Graded Sand
- USCS Lean Clay - Fat Clay
- USCS Clayey Gravel
- USCS High Plasticity Clay
- USCS Poorly-Graded Sand
- USCS Poorly-Graded Sand with Silt
- USCS Well-Graded Gravel
- USCS Low Plasticity Silty Clay
- USCS Low Plasticity Clay
- USCS Well-Graded Sand with Silt
- Screened Section
- Bentonite Seal
- Sand Pack

PER PERFORMANCE EVALUATION REPORT
TIAA TUCSON INTERNATIONAL AIRPORT AREA
GSU GRAVEL SUBUNIT

NOTE:
(25'S): PROJECTION DISTANCE AND DIRECTION OF WELL FROM SECTION LINE

0 20 35ft
VERTICAL SCALE
0 120ft 200ft
HORIZONTAL SCALE

N

GHD

TIAA SUPERFUND SITE
AIRPORT PROPERTY, TUCSON, ARIZONA
THIRTY-SIXTH PER

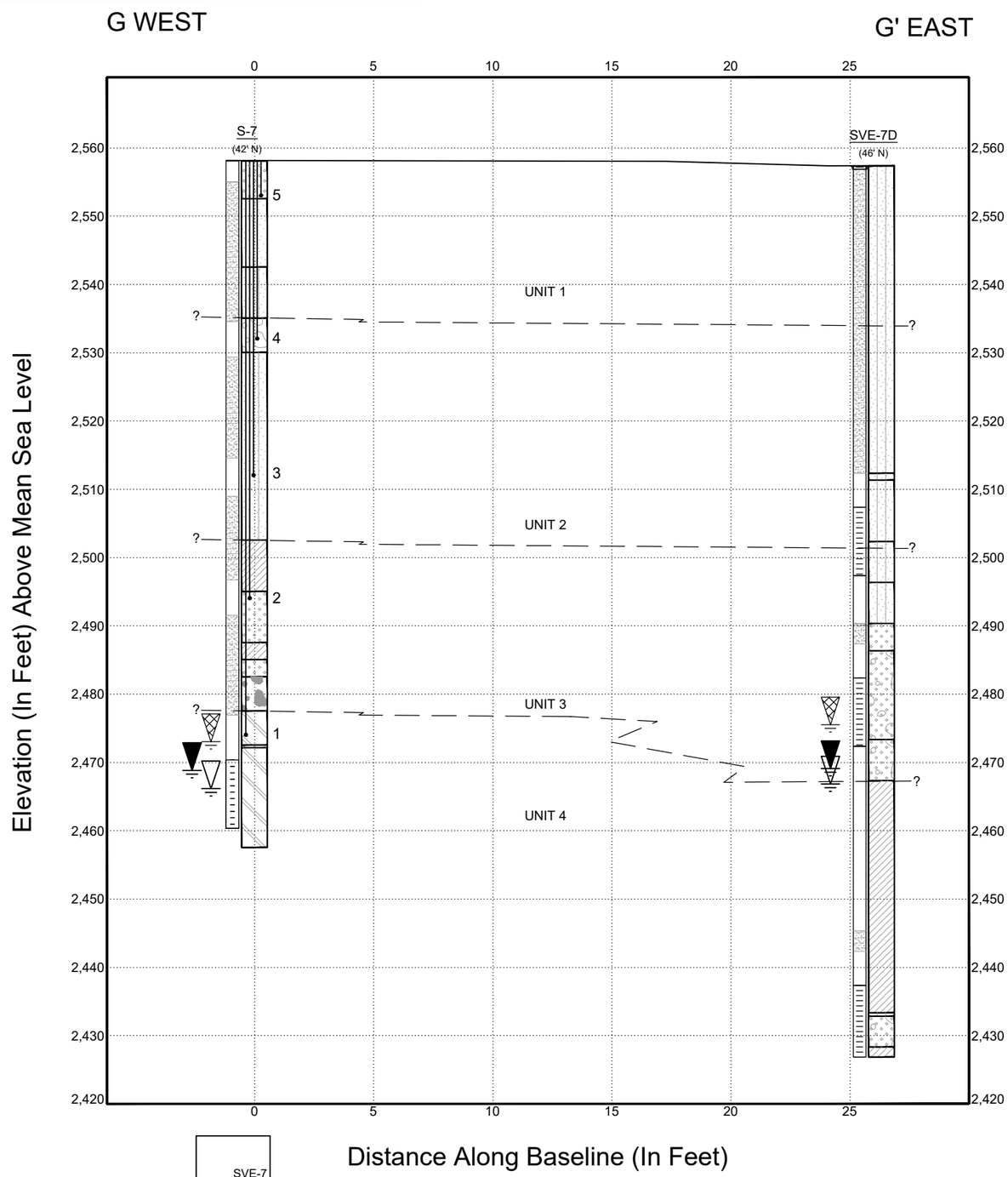
GEOLOGIC CROSS-SECTION F-F'

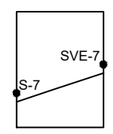
Project No. **12619196**
Date **October 2025**

FIGURE 5.3

Filename: N:\US\Tucson\Projects\561\12619196\Digital_Design\ACAD\Figures\1_Reports\12619196-(36)\12619196_008_GEO_XSEC_F.DWG
Plot Date: 06 October 2025 5:34 PM

Data Source





PER PERFORMANCE EVALUATION REPORT
TIAA TUCSON INTERNATIONAL AIRPORT AREA

NOTE:
(25'S): PROJECTION DISTANCE AND DIRECTION OF WELL FROM SECTION LINE

WATER LEVELS

- Depth Water Found
- Static Water Level (May 2007)
- Water Level (August 2025)
- 5 Soil Vapor Port Location

LITHOLOGY GRAPHICS

- USCS Silty Sand
- USCS Gravelly Silt
- USCS Sandy Silt
- USCS Poorly-Graded Gravel
- USCS Silt
- USCS Clayey Sand
- USCS Well-Graded Sand
- USCS Lean Clay - Fat Clay
- USCS Clayey Gravel
- USCS High Plasticity Clay
- USCS Poorly-Graded Sand
- USCS Poorly-Graded Sand with Silt
- USCS Well-Graded Gravel
- USCS Low Plasticity Silty Clay
- USCS Low Plasticity Clay
- USCS Well-Graded Sand with Silt
- Screened Section
- Bentonite Seal
- Sand Pack

0 12ft 20ft
VERTICAL SCALE
0 3.6ft 6ft
HORIZONTAL SCALE

N

GHD

TIAA SUPERFUND SITE
AIRPORT PROPERTY, TUCSON, ARIZONA
THIRTY-SIXTH PER

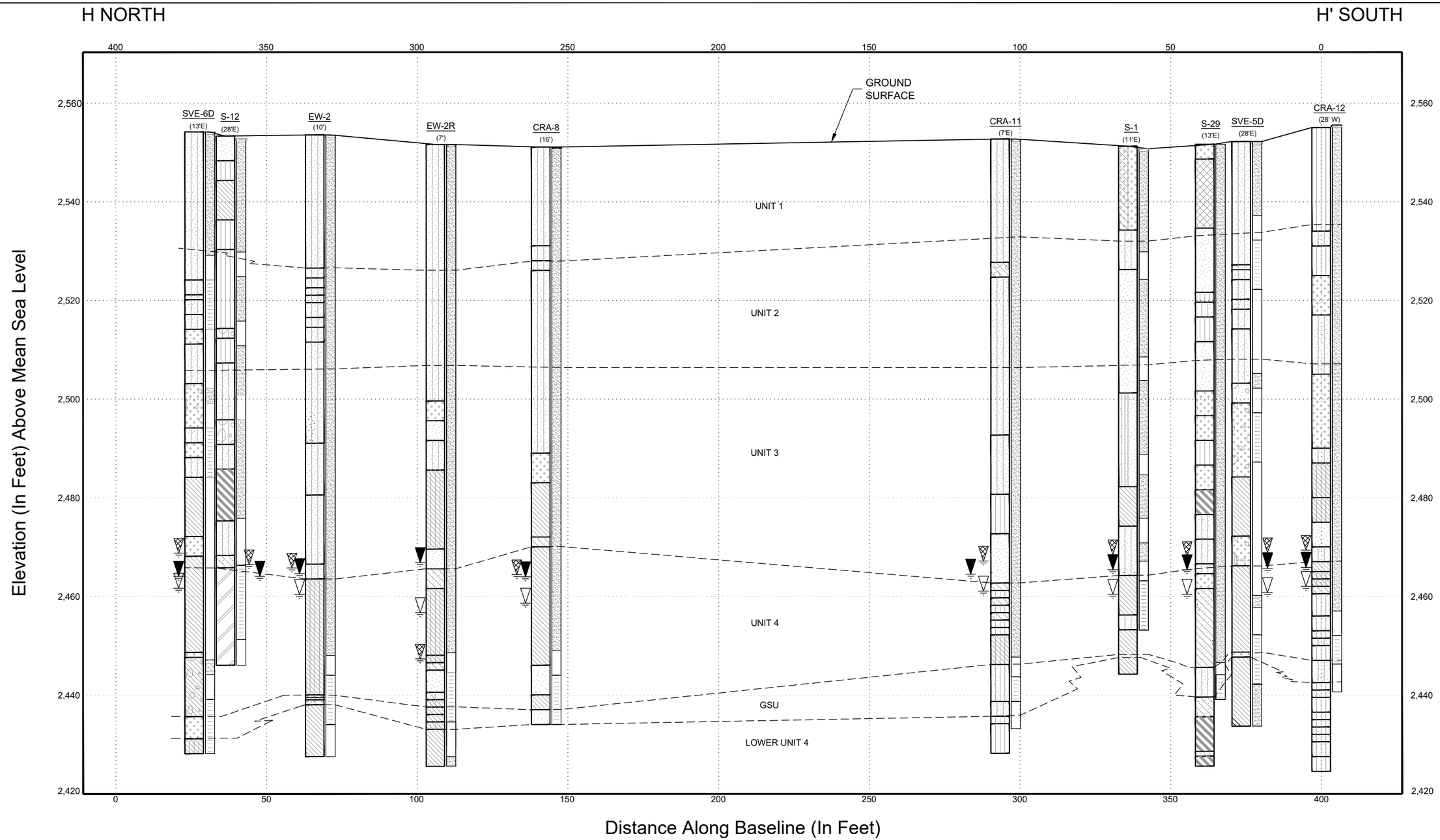
GEOLOGIC CROSS-SECTION G-G'

Project No. **12619196**
Date **October 2025**

FIGURE 6.1

Filename: N:\US\Tucson\Projects\561\12619196\Digital_Design\ACAD\Figures\1_Reports\12619196-(36)\12619196_009_GEO_XSEC_G.DWG
Plot Date: 06 October 2025 5:43 PM

Data Source

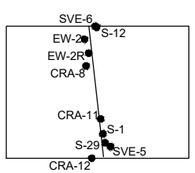


WATER LEVELS

- Depth Water Found
- Static Water Level (May 2007)
- Water Level (August 2025)

LITHOLOGY GRAPHICS

- USCS Silty Sand
- USCS Gravelly Silt
- USCS Sandy Silt
- USCS Poorly-Graded Gravel
- USCS Silt
- USCS Clayey Sand
- USCS Well-Graded Sand
- USCS Lean Clay - Fat Clay
- USCS Clayey Gravel
- USCS High Plasticity Clay
- USCS Poorly-Graded Sand
- USCS Poorly-Graded Sand with Silt
- USCS Well-Graded Gravel
- USCS Low Plasticity Silty Clay
- USCS Low Plasticity Clay
- USCS Well-Graded Sand with Silt
- Screened Section
- Bentonite Seal
- Sand Pack



PER PERFORMANCE EVALUATION REPORT
TIAA TUCSON INTERNATIONAL AIRPORT AREA
GSU GRAVEL SUBUNIT

NOTE:
(25'S): PROJECTION DISTANCE AND DIRECTION OF WELL FROM SECTION LINE

0 20 35ft
VERTICAL SCALE
0 120ft 200ft
HORIZONTAL SCALE

GHD

TIAA SUPERFUND SITE
AIRPORT PROPERTY, TUCSON, ARIZONA
THIRTY-SIXTH PER

GEOLOGIC CROSS-SECTION H-H'

Project No. **12619196**
Date **October 2025**

FIGURE 6.2

Filename: N:\US\Tucson\Projects\561\12619196\Digital_Design\ACAD\Figures\1_Reports\12619196-(36)\12619196_010_GEO_XSEC_H.DWG
Plot Date: 06 October 2025 5:52 PM

Data Source

Appendices

Appendix A

Historical Groundwater Levels

Appendix A
Historical Groundwater Levels
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well ID	Ref. Elev. Top of Casing	05/24/07-05/31/07 Baseline DTW (ft bgs)	05/24/07-05/31/07 Baseline Elevation (ft AMSL)	05/16/17-05/18/17 DTW (ft bgs)	05/16/17-05/18/17 Elevation (ft AMSL)	07/31/17-08/02/17 DTW (ft bgs)	07/31/17-08/02/17 Elevation (ft AMSL)	11/06/17-11/08/17 DTW (ft bgs)	11/06/17-11/08/17 Elevation (ft AMSL)	02/27/18-03/02/18 DTW (ft bgs)	02/27/18-03/02/18 Elevation (ft AMSL)	05/07/18-05/11/18 DTW (ft bgs)	05/07/18-05/11/18 Elevation (ft AMSL)	07/31/18-08/04/18 DTW (ft bgs)	07/31/18-08/04/18 Elevation (ft AMSL)	11/13/18-11/16/18 DTW (ft bgs)	11/13/18-11/16/18 Elevation (ft AMSL)	02/12/19-02/14/19 DTW (ft bgs)	02/12/19-02/14/19 Elevation (ft AMSL)	05/13/19-05/17/19 DTW (ft bgs)	05/13/19-05/17/19 Elevation (ft AMSL)	07/30/19-08/02/19 DTW (ft bgs)	07/30/19-08/02/19 Elevation (ft AMSL)	11/18/19-11/21/19 DTW (ft bgs)	11/18/19-11/21/19 Elevation (ft AMSL)	02/03/20-02/07/20 DTW (ft bgs)	02/03/20-02/07/20 Elevation (ft AMSL)	05/04/20-05/06/20 DTW (ft bgs)	05/04/20-05/06/20 Elevation (ft AMSL)	08/10/20-08/12/20 DTW (ft bgs)	08/10/20-08/12/20 Elevation (ft AMSL)	11/04/20-11/07/20 DTW (ft bgs)	11/04/20-11/07/20 Elevation (ft AMSL)	02/01/21-02/04/21 DTW (ft bgs)	02/01/21-02/04/21 Elevation (ft AMSL)	05/03/21-05/06/21 DTW (ft bgs)	05/03/21-05/06/21 Elevation (ft AMSL)
SGZ Wells																																							
LF-3	2,567.72	87.03	2,479.55	81.87	2,485.85	82.91	2,484.81	80.56	2,487.16	81.48	2,486.24	82.64	2,485.08	82.78	2,484.94	83.11	2,484.61	80.76	2,486.96	79.23	2,488.49	79.83	2,487.89	79.21	2,488.51	78.99	2,488.73	79.29	2,488.43	80.04	2,487.68	79.61	2,488.11	78.98	2,488.74	79.62	2,488.10
LF-4	2,564.49	86.08	2,477.27	81.98	2,482.51	85.50	2,478.99	80.11	2,484.38	83.92	2,480.57	85.30	2,479.19	85.60	2,478.89	85.79	2,478.70	81.03	2,483.46	78.40	2,486.09	78.22	2,486.27	78.12	2,486.37	77.88	2,486.61	78.06	2,486.43	78.65	2,485.84	78.34	2,486.15	86.81	2,477.68	78.30	2,486.19
S-1	2,552.04	85.84	2,465.43	88.64	2,463.40	89.17	2,462.87	87.74	2,464.30	87.26	2,464.78	87.92	2,464.12	86.96	2,465.08	87.40	2,464.64	83.10	2,468.94	85.56	2,466.48	85.23	2,466.81	85.25	2,466.79	84.78	2,467.26	82.26	2,469.78	84.51	2,467.53	84.12	2,467.92	83.96	2,468.08	83.40	2,468.64
S-3	2,554.28	82.41	2,469.09	83.21	2,469.43	82.90	2,469.74	82.84	2,469.80	82.54	2,470.10	82.50	2,470.14	82.53	2,470.11	82.43	2,470.21	82.20	2,470.44	81.53	2,471.11	81.12	2,471.52	80.71	2,471.93	80.10	2,472.54	80.02	2,472.62	79.86	2,472.78	79.65	2,472.99	79.56	2,473.08	79.47	2,473.17
S-4	2,552.55	84.47	2,466.96	84.10	2,468.47	84.51	2,468.06	83.69	2,468.88	83.14	2,469.43	83.52	2,469.05	83.48	2,469.09	83.32	2,469.25	82.54	2,470.03	82.15	2,470.42	81.89	2,470.68	81.52	2,471.05	80.89	2,471.68	80.85	2,471.72	79.19	2,473.38	80.59	2,471.98	80.56	2,472.01	80.40	2,472.17
S-5	2,558.31	87.31	2,469.46	98.74	2,459.57	97.79	2,460.52	97.50	2,460.81	98.16	2,460.15	97.28	2,461.03	99.27	2,459.04	97.70	2,460.61	98.09	2,460.22	97.66	2,460.65	98.14	2,460.17	97.91	2,460.40	98.14	2,460.17	91.96	2,466.35	98.54	2,459.77	97.90	2,460.41	98.39	2,459.92	98.34	2,459.97
S-6	2,559.81	86.59	2,471.72	86.50	2,473.31	86.81	2,473.00	86.37	2,473.44	86.16	2,473.65	86.29	2,473.52	86.31	2,473.50	86.59	2,473.22	85.92	2,473.89	85.45	2,474.36	84.62	2,475.19	84.55	2,475.26	84.35	2,475.46	83.89	2,475.92	83.71	2,476.10	83.55	2,476.26	83.75	2,476.06	83.78	2,476.03
S-7	2,558.20	87.95	2,469.11	88.31	2,469.89	88.48	2,469.72	88.12	2,470.08	87.32	2,470.88	87.96	2,470.24	88.30	2,469.90	88.01	2,470.19	87.51	2,470.69	87.04	2,471.16	86.43	2,471.77	86.24	2,471.96	85.98	2,472.22	85.61	2,472.59	85.54	2,472.66	85.51	2,472.69	85.61	2,472.59	85.58	2,472.62
S-9	2,550.29	84.64	2,464.51	88.11	2,462.18	88.98	2,461.31	86.78	2,463.51	86.68	2,463.61	88.01	2,462.28	88.10	2,462.19	86.21	2,464.08	85.26	2,465.03	84.00	2,466.29	83.75	2,466.54	84.31	2,465.98	83.63	2,466.66	82.02	2,468.27	83.90	2,466.39	83.62	2,466.67	83.23	2,467.06	82.89	2,467.40
S-10	2,558.08	87.15	2,469.92	94.03	2,464.05	93.61	2,464.47	93.50	2,464.58	93.09	2,464.99	93.46	2,464.62	93.60	2,464.48	93.37	2,464.71	92.51	2,465.57	91.44	2,466.64	90.79	2,467.29	91.51	2,466.57	91.26	2,466.82	88.31	2,469.77	91.31	2,466.77	91.03	2,467.05	91.48	2,466.60	89.03	2,469.05
S-11	2,556.89	84.39	2,471.36	86.75	2,470.14	86.94	2,469.95	86.58	2,470.31	86.18	2,470.71	86.46	2,470.43	86.75	2,470.14	86.56	2,470.33	85.69	2,471.20	85.20	2,471.69	84.37	2,472.52	84.87	2,472.02	84.54	2,472.35	83.53	2,473.36	84.05	2,472.84	84.08	2,472.81	84.24	2,472.65	84.07	2,472.82
S-12	2,554.47	88.36	2,464.97	93.25	2,461.22	93.73	2,460.74	92.10	2,462.37	92.00	2,462.47	92.94	2,461.53	92.89	2,461.58	91.95	2,462.52	90.86	2,463.61	89.60	2,464.87	89.34	2,465.13	89.61	2,464.86	89.13	2,465.34	86.11	2,468.36	89.14	2,465.33	88.74	2,465.73	88.26	2,466.21	88.18	2,466.29
S-13	2,561.08	90.45	2,469.49	90.19	2,470.89	90.33	2,470.75	90.02	2,471.06	89.81	2,471.27	89.86	2,471.22	90.02	2,471.06	90.16	2,470.92	89.64	2,471.44	88.95	2,472.13	88.28	2,472.80	87.95	2,473.13	87.76	2,473.32	87.56	2,473.52	87.30	2,473.78	87.26	2,473.82	87.40	2,473.68	87.33	2,473.75
S-14	2,560.64	90.18	2,469.32	91.23	2,469.41	91.52	2,469.12	90.89	2,469.75	90.94	2,469.70	91.14	2,469.50	91.36	2,469.28	90.92	2,469.72	90.20	2,470.44	89.45	2,471.19	89.04	2,471.60	88.85	2,471.79	88.52	2,472.12	88.10	2,472.54	88.41	2,472.23	88.26	2,472.38	88.43	2,472.21	87.73	2,472.91
S-16	2,557.45	88.47	2,467.92	95.46	2,461.99	95.90	2,461.55	95.40	2,462.05	94.86	2,462.59	95.01	2,462.44	95.66	2,461.79	94.74	2,462.71	94.20	2,463.25	93.11	2,464.34	92.40	2,465.05	93.00	2,464.45	92.75	2,464.70	90.33	2,467.12	92.51	2,464.94	92.29	2,465.16	92.25	2,465.20	91.93	2,465.52
S-17	2,551.72	83.31	2,467.27	81.09	2,470.63	81.01	2,470.71	80.72	2,471.00	79.84	2,471.88	79.93	2,471.79	80.03	2,471.69	80.22	2,471.50	80.03	2,471.69	79.52	2,472.20	78.87	2,472.85	78.18	2,473.54	77.90	2,473.82	77.44	2,474.28	77.35	2,474.37	76.82	2,474.90	76.76	2,474.96	76.67	2,475.05
S-18	2,550.81	86.20	2,463.47	90.54	2,460.27	92.06	2,458.75	89.60	2,461.21	90.18	2,460.63	90.90	2,459.91	91.01	2,459.80	90.05	2,460.76	88.39	2,462.42	87.15	2,463.66	86.85	2,463.96	87.06	2,463.75	86.57	2,464.24	82.03	2,468.78	86.73	2,464.08	86.46	2,464.35	87.89	2,462.92	85.58	2,465.23
S-19	2,551.00	84.66	2,465.43	87.15	2,463.85	87.70	2,463.30	86.41	2,464.59	86.34	2,464.66	NM	--	86.54	2,464.46	85.35	2,465.65	84.44	2,466.56	83.64	2,467.36	83.64[5]	2,467.36	83.39	2,467.61	82.85	2,468.15	81.84	2,469.16	83.21	2,467.79	82.94	2,468.06	82.85	2,468.15	82.59	2,468.41
S-20	2,553.95	85.94	2,466.87	86.04	2,467.91	86.34	2,467.61	85.90	2,468.05	85.60	2,468.35	85.87	2,468.08	86.01	2,467.94	85.83	2,468.12	85.22	2,468.73	84.62	2,469.33	84.09	2,469.86	83.90	2,470.05	83.54	2,470.41	83.12	2,470.83	83.21	2,470.74	83.05	2,470.90	83.20	2,470.75	83.09	2,470.86
S-21	2,550.02	87.00	2,461.88	91.51	2,458.51	93.50	2,456.52	89.48	2,460.54	90.76	2,459.26	92.25	2,457.77	92.42	2,457.60	91.45	2,458.57	89.12	2,460.90	87.70	2,462.32	87.32	2,462.70	87.59	2,462.43	87.02	2,463.00	81.56	2,468.46	87.30	2,462.72	86.87	2,463.15	86.24	2,463.78	86.16	2,463.86
S-22	2,587.05	98.96	2,486.95	97.57	2,489.48	98.56	2,488.49	97.01	2,490.04	97.93	2,489.12	99.00	2,488.05	99.17	2,487.88	99.27	2,487.78	96.91	2,490.14	95.81	2,491.24	96.02	2,491.03	96.16	2,490.89	95.99	2,491.06	96.22	2,490.83	96.56	2,490.49	96.47	2,490.58	96.19	2,490.86	96.69	2,490.36
S-23	2,542.05	81.93	2,458.98	80.74	2,461.31	80.89	2,461.16	80.85	2,461.20	80.44	2,461.61	80.46	2,461.59	80.70	2,461.35	80.73	2,461.32	80.41	2,461.64	79.92	2,462.13	79.39	2,462.66	78.75	2,463.30	78.35	2,463.70	78.29	2,463.76	78.06	2,463.99	77.79	2,464.26	77.71	2,464.34	77.72	2,464.33
S-24	2,544.47	84.43	2,458.90	83.37	2,461.10	83.70	2,460.77	83.11	2,461.36	82.75	2,461.72	83.11	2,461.36	83.26	2,461.21	83.33	2,461.14	82.65	2,461.82	81.96	2,462.51	81.39	2,463.08	80.81	2,463.66	80.40	2,464.07	80.26	2,464.21	80.19	2,464.28	79.80	2,464.67	79.61	2,464.86	79.57	2,464.90
S-25	2,547.77	84.42	2,462.60	82.97	2,464.80	83.21	2,464.56	82.54	2,465.23	82.19	2,465.58	82.17	2,465.60	82.11	2,465.66	81.97	2,465.80	81.56	2,466.21	81.09	2,466.68	80.49	2,467.28	79.52	2,468.25	78.91	2,468.86	78.26	2,469.51	78.01	2,469.76	77.50	2,470.27	77.22	2,470.55	77.04	2,470.73
S-26	2,547.70	85.35	2,461.52	87.72	2,459.98	89.21	2,458.49	86.81	2,460.89	87.27	2,460.43	88.29	2,459.41	88.31	2,459.39	88.02	2,459.68	86.20	2,461.50	84.86	2,462.84	84.25	2,463.45	84.16	2,463.54	83.85	2,463.85	81.00	2,466.70	83.90	2,463.80	83.38	2,464.32	83.03	2,464.67	82.93	2,464.77
S-27	2,558.37	87.23	2,470.00	89.86	2,468.51	90.01	2,468.36	89.51	2,468.86	89.20	2,469.17	89.40	2,468.97	89.69	2,468.68	89.46	2,468.91	88.71	2,469.66	88.14	2,470.23	87.35	2,471.02	87.65	2,470.72	87.34	2,471.03	85.96	2,472.41	86.86	2,471.51	86.76	2,471.61	86.87	2,471.50	86.83	2,471.54
S-28	2,558.88	85.22	2,472.52	83.95	2,474.93	84.12	2,474.76	83.93	2,474.95	83.52	2,475.36	83.49	2,475.39	83.80	2,475.08	84.10	2,474.78	83.55	2,475.33	83.01	2,475.87	82.63	2,476.25	81.91	2,476.97	81.71	2,477.17	81.30	2,477.58	81.11	2,477.77	80.91	2,477.97	81.57	2,477.31	81.08	2,477.80
S-30	2,554.46	85.81	2,467.51	82.79	2,471.67	83.08	2,471.38	82.26	2,472.20	81.39	2,473.07	82.10	2,472.36	82.19	2,472.27	82.54	2,471.92	81.68	2,472.78	81.01	2,473.45	80.05	2,474.41	79.14	2,475.32	78.75	2,475.71	78.39	2,476.07	78.76	2,475.70	78.05	2,476.41	77.96	2,476.50	77.99	2,476.47
S-31	2,549.33	85.65	2,462.54	84.60	2,464.73	84.65	2,464.68	83.72	2,465.61	84.22	2,465.11	84.19	2,465.14	84.40	2,464.93	84.09	2,465.24	83.92	2,465.41	83.44	2,465.89	83.06	2,466.27	82.90	2,466.43	82.50	2,466.83	82.24	2,467.09	82.29	2,467.04	82.21	2,467.12	82.30	2,467.03	81.38	2,467.95
S-32	2,553.42	87.48	2,464.48	86.38	2,467.04	86.20	2,467.22	86.11	2,467.31	85.90	2,467.52	86.27	2,467.15	86.06	2,467.36	86.25	2,467.17	85.16	2,468.26	84.90	2,468.52	83.59	2,469.83	84.61	2,468.81	84.40	2,469.02	84.10	2,469.32	83.74	2,469.68	83.56	2,469.86	84.06	2,469.36	83.80	2,469.62
S-33	2,554.17	87.67	2,465.36	86.46	2,467.71	86.51	2,467.66	86.26	2,467.91	85.79	2,468.38	86.21	2,467.96	86.46	2,467.71	86.22	2,467.95	85.91	2,468.26	85.47	2,468.70	84.99	2,469.18	84.65	2,469.52	83.95	2,470.22	84.08	2,470.09	83.85	2,470.32	83.85	2,470.32	83.97	2,470.20	83.90	2,470.27
S-34	2,556.29	87.27	2,467.88	86.52	2,469.77	86.70	2,469.59	86.31	2,469.98	84.60	2,471.69	86.50	2,469.79	86.60	2,469.69	86.54	2,469.75	85.97	2,470.32	85.18	2,471.11	84.58	2,471.71	84.66	2,471.63	84.14	2,472.15	83.69	2,472.60	83.97	2,472.32	83.68	2,472.61	83.77	2,472.52	83.80	2,472.49
S-35	2,558.66	87.98	2,469.54	84.45	2,474.21	84.82	2,473.84	83.91	2,474.75	83.30	2,475.36	84.01	2,474.65	84.24	2,474.42	84.62	2,474.04	83.81	2,474.85	82.89	2,475.77	82.00	2,476.66	81.06	2,477.60	80.94	2,477.72	80.59	2,478.07	80.91	2,477.75	80.51	2,478.15	80.28	2,478.38	80.37	2,478.29
S-36	2,574.86	87.13	2,486.59	86.92	2,487.94	87.75	2,487.11	85.51	2,489.35	86.04	2,488.82	88.64	2,486.22	88.30	2,486.56	89.29	2,485.57	85.85	2,489.01	84.18	2,490.68	84.19	2,490.67	84.11	2,490.75	84.85	2,490.01	84.05	2,490.81	84.20	2,490.66	84.54	2,490.32	84.27	2,490.59	84.50	2,490.36
S-40	2,562.23	83.28	2,477.81	77.78	2,484.45	78.65	2,483.58	77.31	2,484.92	77.32	2,484.91	78.36	2,483.87	79.26	2,482.97	79.09	2,483.14	77.95	2,484.28	76.09	2,486.14	75.70	2,486.53	75.33	2,486.90	75.00	2,487.23	74.60	2,487.63	75.56	2,486.67	75.41	2,486.82	75.71	2,486.52	76.02	2,486.21
S-41	2,556.19	88.72	2,466.49	85.09	2,471.10	86.91	2,469.28	83.79	2,472.40	84.72	2,471.47	85.96	2,470.23	85.62	2,470.57	86.02	2,470.17	83.61	2,472.58	82.33	2,473.86	81.26	2,474.93	80.49	2,475.70	80.18	2,476.01	79.96	2,476.23	80.69	2,475.50	79.65	2,476.54	79.50	2,476.69	79.55	2,476.64
S-42	2,548.22	85.61	2,461.47	84.51	2,463.71	84.66	2,463.56	84.31	2,463.91	84.15	2,464.07	84.34	2,463.88	84.61	2,463.61	84.19	2,464.03	83.97	2,464.25	83.55	2,464.67	83.25	2,464.97	82.91	2,465.31	82.52	2,465.70	82.36	2,465.86	82.30	2,465.92	82.22	2,466.00	82.35	2,465.87	82.30	2,465.92
CRA-1	2,557.24	87.55	2,468.55	100.64	2,456.60	100.58	2,456.66	100.92	2,456.32	100.65	2,456.59	100.79	2,456.45	100.60	2,456.64	97.80	2,459.44	100.76	2,456.48	100.61	2,456.63	100.64	2,456.60	100.90	2,456.34	101.02	2,456.22	91.19	2,466.05	100.59	2,456.65	100.66	2,456.58	100.65	2,456.59	100.61	2,456.63
CRA-3	2,558.20	87.62	2,469.44	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	91.60	2,466.60	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry
CRA-13	2,543.64	81.53	2,460.97	80.55	2,463.09	80.59	2,463.05	80.34	2,463.30	79.89	2,463.75	80.21	2,463.43	80.46	2,463.18	80.29	2,463.35	79.70	2,463.94	79.55	2,464.09	79.05	2,464.59	78.90	2,464.74	78.61	2,465.03	78.30	2,465.34	78.12	2,465.52	78.22	2,465.42	78.30	2,465.34	78.11	2,465.53
CRA-14	2,545.87	82.58	2,462.15	81.40	2,464.47	81.61	2,464.26	81.24	2,464.63	80.91	2,464.96	80.95	2,464.92	81.45	2,464.42	81.18	2,464.69	80.83	2,465.04	80.45	2,465.42	79.95	2,465.92	79.71	2,466.16	79.56	2,466.31	79.14	2,466.73	79.09	2,466.78	79.01	2,466.86	79.10	2,466.77	79.04	2,466.83
CRA-16	2,556.38	87.73	2,467.51	82.81	2,473.57	83.62	2,472.76	81.41	2,474.97	80.65	2,475.73	84.49	2,471.89	82.67	2,473.71	83.09	2,473.29	81.39	2,474.99	80.21	2,476.17	79.30	2,477.08	78.52	2,477.86	78.20	2,478.18	78.00	2,478.38	78.79	2,477.59	77.92	2,478.46	77.72	2,478.66	77.83	2,478.55
CRA-18	2,554.20	88.18	2,464.88	83.66	2,470.54	84.66	2,469.54	81.44	2,472.76	81.52	2,472.68	83.74	2,470.46	83.68	2,470.52	84.22	2,469.98	81.90	2,472.30	80.11	2,474.09	79.00	2,475.20	78.31	2,475.89	78.20	2,476.00	78.13	2,476.07	78.94	2,475.26	78.13	2,476.07	77.70	2,476.50	77.70	2,476.50
CRA-21S	2,557.62	84.51	2,471.97	82.31	2,475.31	82.51	2,475.11	82.31	2,475.31	81.71	2,475.91	81.87	2,475.75	82.19	2,475.43	82.52	2,475.10	82.14	2,475.48	81.54	2,476.08	81.00	2,476.62	80.16	2,477.46	79.99	2,477.63	79.61	2,478.01	79.64	2,477.98	79.29	2,478.33	79.35	2,478.27	79.47	2,478.15
CRA-22S	2,552.69	85.82	2,465.73	82.54	2,470.15	82.80	2,469.89	81.70	2,470.99	80.66	2,472.03	81.90	2,470.79	82.04	2,470.65	82.52	2,470.17	81.25	2,471.44	80.34	2,472.35	78.90	2,473.79	78.04	2,474.65	77.89	2,474.80	77.65	2,475.04	78.19	2,474.50	77.46	2,475.23	77.16	2,475.53	76.99	2,475.70
CRA-24S	2,558.36	-	-	100.66	2,457.70	100.49	2,457.87	100.40	2,457.96	99.90	2,458.46	100.53	2,457.83	100.20	2,458.16	99.76	2,458.60	99.78	2,458.58	98.72	2,459.64	97.89	2,460.47	99.44	2,458.92	98.92	2,459.44	92.39	2,465.97	98.94	2,459.42	99.06	2,459.30	99.70	2,458.66	98.32	2,460.04
CRA-31S	2,549.33	-	-	85.82	2,463.51	86.41	2,462.92	85.09	2,464.24	85.19	2,464.14	84.31[7]	2,465.02	83.86[3]	2,465.47	81.74	2,467.59	81.11	2,468.22	80.82	2,468.51	81.03	2,468.30	80.91	2,468.42	80.12	2,469.21	80.03	2,469.30	81.27	2,468.06	81.19	2,468.14	80.95	2,468.38	80.68	2,468.65
CRA-34S	2,550.58	-	-	87.21	2,463.37	87.61	2,462.97	86.51	2,464.07	86.68	2,463.90	86.70	2,463.88	86.64	2,463.94	85.52	2,465.06	84.30	2,466.28	83.83	2,466.75	83.56	2,467.02	83.55	2,467.03	83.15	2,467.43	81.50	2,469.08	83.36	2,467.22	83.10	2,467.48	82.88	2,467.70	82.96	2,467.62
CRA-38S	2,551.66	-	-	82.14	2,469.52	82.10	2,469.56	81.70	2,469.96	81.00	2,470.66	81.15	2,470.51	81.29	2,470.37	81.41	2,470.25	81.06	2,470.60	80.62	2,471.04	79.70	2,471.96	78.86	2,472.80	78.51	2,473.15	78.16	2,473.50	78.20	2,473.46	77.70	2,473.96	77.43	2,474.23	77.20	2,474.46
CRA-39S	2,550.77	-	-	82.38	2,468.39	82.29	2,468.48	81.90	2,468.87	81.40	2,469.37	81.21	2,469.56	81.25	2,469.52	81.27	2,469.50	81.03	2,469.74	80.60	2,470.17	80.03	2,470.74	79.46	2,471.31	78.90	2,471.87	78.40	2,472.37	78.14	2,472.63	77.79	2,472.98	77.52	2,473.25	77.33	2,473.44
CRA-52S	2,556.74	-	-	92.84	2,463.90	94.06	2,462.68	92.91	2,463.83	92.71	2,464.03	93.06	2,463.68	92.94	2,463.80	91.90	2,464.84	90.54	2,466.20	90.25	2,466.49	90.09	2,466.65	90.25	2,466.49	89.86	2,466.88	88.11	2,468.63	89.95	2,466.79	89.54	2,467.20	89.47	2,467.27	89.17	2,467.57
CRA-57S	2,551.79	-	-	91.94	2,459.85	93.45	2,458.34	91.12	2,460.67	91.80	2,459.99	92.61	2,459.18	92.57	2,459.22	91.86	2,459.93	89.93	2,461.86	88.77	2,463.02	88.48	2,463.31	88.52	2,463.27	88.09	2,463.70	83.14	2,468.65	88.20	2,463.59	87.92	2,463.87	87.33	2,464.46	87.03	2,464.76
CRA-61S	2,549.36	-	-	81.34	2,468.02	83.04	2,466.32	78.55	2,470.81	79.30	2,470.06	82.20	2,467.16	82.04	2,467.32	82.60	2,466.76	79.30	2,470.06	76.73	2,472.63	75.85	2,473.51	75.35	2,474.01	75.30	2,474.06	75.45	2,473.91	77.69	2,471.67	75.25	2,474.11	74.99	2,474.37	75.25	2,474.11
CRA-62S	2,550.02	-	-	81.31	2,468.71	82.91	2,467.11	78.18	2,471.84	79.10	2,470.92	82.01	2,468.01	81.73	2,468.29	82.40	2,467.62	78.97	2,471.05	76.51	2,473.51	75.67	2,474.35	75.28	2,474.74	75.05	2,474.97	75.39	2,474.63	76.60	2,473.42	75.29	2,474.73	74.97	2,475.05	75.32	2,474.70
CRA-67S	2,549.81	-	-	87.25	2,462.56	87.81	2,462.00	86.66	2,463.15	86.45	2,463.36	86.52	2,463.29	86.40	2,463.41	84.95	2,464.86	84.00	2,465.81	83.26	2,466.55	83.05	2,466.76	83.04	2,466.77	82.63	2,467.18	81.82	2,467.99	83.05	2,466.76	82.92	2,466.89	82.68	2,467.13	82.40	2,467.41
CU-1	2,576.44	94.74	2,480.56	84.16	2,492.28	84.48	2,491.96	83.88	2,492.56	83.76	2,492.68	84.06	2,492.38	84.74	2,491.70	84.48	2,491.96	84.20	2,492.24	82.61	2,493.83	82.84	2,493.60	82.89	2,493.55	82.91	2,493.53	83.39	2,493.05	84.33	2,492.11	83.30	2,493.14	82.09	2,494.35	83.66	2,492.78
GHD-1S	2,556.66	-	-	-	-	-	-	92.81	2,463.85	92.82	2,463.84	93.26	2,463.40	93.20	2,463.46	92.57	2

Appendix A
Historical Groundwater Levels
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well ID	Ref. Elev. Top of Casing	05/24/07-05/31/07 Baseline DTW (ft bgs)	Elevation (ft AMSL)	05/16/17-05/18/17 DTW (ft bgs)	Elevation (ft AMSL)	07/31/17-08/02/17 DTW (ft bgs)	Elevation (ft AMSL)	11/06/17-11/08/17 DTW (ft bgs)	Elevation (ft AMSL)	02/27/18-03/02/18 DTW (ft bgs)	Elevation (ft AMSL)	05/07/18-05/11/18 DTW (ft bgs)	Elevation (ft AMSL)	07/31/18-08/04/18 DTW (ft bgs)	Elevation (ft AMSL)	11/13/18-11/16/18 DTW (ft bgs)	Elevation (ft AMSL)	02/12/19-02/14/19 DTW (ft bgs)	Elevation (ft AMSL)	05/13/19-05/17/19 DTW (ft bgs)	Elevation (ft AMSL)	07/30/19-08/02/19 DTW (ft bgs)	Elevation (ft AMSL)	11/18/19-11/21/19 DTW (ft bgs)	Elevation (ft AMSL)	02/03/20-02/07/20 DTW (ft bgs)	Elevation (ft AMSL)	05/04/20-05/06/20 DTW (ft bgs)	Elevation (ft AMSL)	08/10/20-08/12/20 DTW (ft bgs)	Elevation (ft AMSL)	11/04/20-11/07/20 DTW (ft bgs)	Elevation (ft AMSL)	02/01/21-02/04/21 DTW (ft bgs)	Elevation (ft AMSL)	05/03/21-05/06/21 DTW (ft bgs)	Elevation (ft AMSL)
GSU Wells (cont'd)																																							
CRA-12	2,556.21	89.16	2,465.91	91.51	2,464.70	91.91	2,464.30	88.84	2,467.37	90.70	2,465.51	91.24	2,464.97	91.41	2,464.80	90.81	2,465.40	89.78	2,466.43	88.99	2,467.22	88.51	2,467.70	88.59	2,467.62	87.86	2,468.35	86.19	2,470.02	87.62	2,468.59	87.41	2,468.80	87.17	2,469.04	86.91	2,469.30
CRA-15	2,558.43	88.25	2,468.80	105.59	2,452.84	105.82	2,452.61	104.70	2,453.73	104.71	2,453.72	105.21	2,453.22	105.32	2,453.11	104.21	2,454.22	104.29	2,454.14	103.55	2,454.88	102.30	2,456.13	104.12	2,454.31	103.76	2,454.67	90.42	2,468.01	103.44	2,454.99	103.82	2,454.61	104.48	2,453.95	103.63	2,454.80
CRA-21D	2,557.50	86.33	2,470.03	84.40	2,473.10	84.98	2,472.52	83.91	2,473.59	84.00	2,473.50	84.24	2,473.26	84.50	2,473.00	84.59	2,472.91	83.69	2,473.81	82.80	2,474.70	82.23	2,475.27	81.59	2,475.91	81.52	2,475.98	80.45	2,477.05	80.97	2,476.53	80.64	2,476.86	80.62	2,476.88	80.74	2,476.76
CRA-22D	2,552.66	92.06	2,459.46	82.64	2,470.02	89.00	2,463.66	81.50	2,471.16	87.12	2,465.54	88.09	2,464.57	88.78	2,463.88	88.31	2,464.35	83.28	2,469.38	79.64	2,473.02	79.49	2,473.17	79.29	2,473.37	79.23	2,473.43	79.86	2,472.80	79.90	2,472.76	79.60	2,473.06	79.00	2,473.66	79.46	2,473.20
CRA-23	2,557.30	88.70	2,467.02	79.50	2,477.80	82.41	2,474.89	78.39	2,478.91	80.70	2,476.60	81.46	2,475.84	82.02	2,475.28	81.73	2,475.57	79.00	2,478.30	76.71	2,480.59	76.72	2,480.58	76.37	2,480.93	76.13	2,481.17	76.54	2,480.76	77.20	2,480.10	76.42	2,480.88	76.87	2,480.43	76.50	2,480.80
CRA-24D	2,558.38	-	-	107.84	2,450.54	107.98	2,450.40	106.84	2,451.54	106.64	2,451.74	107.22	2,451.16	107.30	2,451.08	106.20	2,452.18	106.19	2,452.19	106.03	2,452.35	104.86	2,453.52	106.76	2,451.62	106.20	2,452.18	90.26	2,468.12	105.85	2,452.53	106.27	2,452.11	106.22	2,452.16	106.08	2,452.30
CRA-31D	2,549.30	-	-	85.80	2,463.50	86.40	2,462.60	85.06	2,464.24	85.11	2,464.19	84.48 [7]	2,464.82	84.12 [3]	2,465.18	82.11	2,467.19	81.44	2,467.86	81.11	2,468.19	81.10	2,468.20	81.01	2,468.29	80.26	2,469.04	80.12	2,469.18	81.30	2,468.00	81.22	2,468.08	80.93	2,468.37	80.71	2,468.59
CRA-34D	2,550.66	-	-	87.29	2,463.37	87.95	2,462.71	86.60	2,464.06	86.78	2,463.88	86.78	2,463.88	86.74	2,463.92	86.09	2,464.57	84.61	2,466.05	83.89	2,466.77	83.60	2,467.06	83.60	2,467.06	83.19	2,467.47	81.50	2,469.16	83.41	2,467.25	83.09	2,467.57	82.89	2,467.77	82.74	2,467.92
CRA-38D	2,551.68	-	-	83.44	2,468.24	86.51	2,465.17	81.06	2,470.62	84.50	2,467.18	85.61	2,466.07	85.91	2,465.77	85.80	2,465.88	82.09	2,469.59	79.50	2,472.18	78.95	2,472.73	78.62	2,473.06	78.42	2,473.26	78.48	2,473.20	78.84	2,472.84	78.41	2,473.27	78.01	2,473.67	78.14	2,473.54
CRA-39D	2,550.78	-	-	80.91	2,469.87	81.95	2,468.83	80.17	2,470.61	80.70	2,470.08	81.07	2,469.71	81.31	2,469.47	81.25	2,469.53	79.95	2,470.83	78.80	2,471.98	78.18	2,472.60	77.63	2,473.15	77.32	2,473.46	76.04	2,474.74	77.10	2,473.68	76.81	2,473.97	76.58	2,474.20	76.55	2,474.23
CRA-42	2,547.39	-	-	84.04	2,463.35	88.64	2,458.75	82.96	2,464.43	86.84	2,460.55	87.92	2,459.47	88.30	2,459.09	87.86	2,459.53	84.01	2,463.38	80.89	2,466.50	80.67	2,466.72	80.41	2,466.98	80.24	2,467.15	80.66	2,466.73	80.89	2,466.50	80.38	2,467.01	79.93	2,467.46	80.32	2,467.07
CRA-52D	2,556.58	-	-	94.45	2,462.13	95.15	2,461.43	93.61	2,462.97	93.90	2,462.68	94.31	2,462.27	94.26	2,462.32	93.59	2,462.99	92.27	2,464.31	91.32	2,465.26	91.01	2,465.57	91.00	2,465.58	90.55	2,466.03	87.04	2,469.54	90.54	2,466.04	90.16	2,466.42	89.98	2,466.60	89.72	2,466.86
CRA-57D	2,551.78	-	-	92.01	2,459.77	93.74	2,458.04	91.21	2,460.57	91.95	2,459.83	92.72	2,459.06	92.76	2,459.02	92.03	2,459.75	90.01	2,461.77	88.91	2,462.87	88.60	2,463.18	88.64	2,463.14	88.20	2,463.58	82.88	2,468.90	88.31	2,463.47	88.04	2,463.74	87.42	2,464.36	87.15	2,464.63
CRA-61D	2,549.34	-	-	79.54	2,469.80	85.34	2,464.00	78.41	2,470.93	83.49	2,465.85	84.51	2,464.83	84.94	2,464.40	84.60	2,464.74	80.01	2,469.33	76.54	2,472.80	76.39	2,472.95	76.11	2,473.23	76.05	2,473.29	76.68	2,472.66	76.84	2,472.50	76.21	2,473.13	75.82	2,473.52	76.36	2,472.98
CRA-62D	2,550.00	-	-	79.64	2,470.36	85.19	2,464.81	78.56	2,471.44	83.34	2,466.66	84.39	2,465.61	84.83	2,465.17	84.46	2,465.54	80.02	2,469.98	76.72	2,473.28	76.52	2,473.48	76.40	2,473.60	76.21	2,473.79	76.82	2,473.18	77.05	2,472.95	76.45	2,473.55	75.98	2,474.02	76.53	2,473.47
CRA-67D	2,549.91	-	-	86.94	2,462.97	89.73	2,460.18	85.78	2,464.13	88.18	2,461.73	88.83	2,461.08	89.11	2,460.80	88.46	2,461.45	85.71	2,464.20	83.52	2,466.39	83.29	2,466.62	83.04	2,466.87	82.80	2,467.11	82.03	2,467.88	83.31	2,466.60	83.00	2,466.91	82.60	2,467.31	82.67	2,467.24
EW-1	2,552.82	87.59	2,463.86	108.51	2,444.31	109.71	2,443.11	116.04	2,436.78	118.62	2,434.20	112.40	2,440.42	112.62	2,440.20	112.19	2,440.63	110.13	2,442.69	112.36	2,440.46	113.49	2,439.33	115.16	2,437.66	115.54	2,437.28	84.50	2,468.32	114.65	2,438.17	116.79	2,436.03	116.80	2,436.02	116.70	2,436.12
EW-2	2,554.70	88.93	2,464.63	94.03	2,460.67	94.79	2,459.91	92.96	2,461.74	93.14	2,461.56	93.77	2,460.93	93.72	2,460.98	92.92	2,461.78	91.49	2,463.21	90.29	2,464.41	90.04	2,464.66	90.36	2,464.34	89.70	2,465.00	86.07	2,468.63	89.79	2,464.91	89.45	2,465.25	89.19	2,465.51	88.85	2,465.85
EW-2R	2,553.09	87.33	2,464.29	108.71	2,444.38	108.95	2,444.14	109.07	2,444.02	110.21	2,442.88	109.54	2,443.55	110.81	2,442.28	105.74	2,447.35	107.05	2,446.04	107.30	2,445.79	103.24	2,449.85	109.74	2,443.35	101.60	2,451.49	83.95	2,469.14	104.45	2,448.64	104.22	2,448.87	104.15	2,448.94	105.60	2,447.49
EW-3	2,553.54	84.48	2,467.59	83.72	2,469.82	83.38	2,470.16	82.31	2,471.23	82.81	2,470.73	82.91	2,470.63	83.10	2,470.44	83.02	2,470.52	82.63	2,470.91	82.00	2,471.54	81.47	2,472.07	80.91	2,472.63	80.43	2,473.11	79.83	2,473.71	79.83	2,473.71	79.51	2,474.03	79.48	2,474.06	79.27	2,474.27
EW-4	2,547.05	84.11	2,461.46	103.13	2,443.92	106.97	2,440.08	89.89	2,457.16	110.86	2,436.19	98.59	2,448.46	98.69	2,448.36	96.20	2,450.85	95.57	2,451.48	111.84	2,435.21	109.09	2,437.96	115.77	2,431.28	114.02	2,433.03	80.85	2,466.20	113.45	2,433.60	115.19	2,431.86	114.93	2,432.12	113.70	2,433.35
EW-5	2,547.44	85.54	2,461.10	84.82	2,462.62	87.81	2,459.63	83.68	2,463.76	85.81	2,461.63	86.85	2,460.59	87.06	2,460.38	86.44	2,461.00	83.72	2,463.72	81.90	2,465.54	81.50	2,465.94	81.49	2,465.95	81.13	2,466.31	78.01	2,469.43	81.44	2,466.00	81.03	2,466.41	80.60	2,466.84	80.65	2,466.79
GHD-1D	2,556.67	-	-	-	-	-	-	93.16	2,463.51	93.40	2,463.27	93.73	2,462.94	93.76	2,462.91	93.11	2,463.56	91.91	2,464.76	90.98	2,465.69	90.61	2,466.06	90.70	2,465.97	90.02	2,466.65	86.96	2,469.71	90.14	2,466.53	89.78	2,466.89	89.64	2,467.03	89.39	2,467.28
MWS-1	2,549.04	87.28	2,460.62	84.85	2,464.19	85.00	2,464.04	84.27	2,464.77	84.34	2,464.70	84.66	2,464.38	84.91	2,464.13	84.30	2,464.74	83.82	2,465.22	83.24	2,465.80	82.78	2,466.26	82.60	2,466.44	82.20	2,466.84	82.07	2,466.97	82.16	2,466.88	82.00	2,467.04	82.17	2,466.87	82.18	2,466.86
MWR-1	2,556.62	88.48	2,467.00	78.98	2,477.64	81.92	2,474.70	77.78	2,478.84	80.39	2,476.23	81.11	2,475.51	81.66	2,474.96	81.37	2,475.25	78.51	2,478.11	76.16	2,480.46	76.20	2,480.42	75.91	2,480.71	75.70	2,480.92	76.11	2,480.51	76.80	2,479.82	76.02	2,480.60	75.43	2,481.19	76.13	2,480.49
DP-1	2,557.78	87.65	2,468.66	111.84	2,445.94	112.09	2,445.69	110.84	2,446.94	110.36	2,447.42	111.21	2,446.57	110.09	2,447.69	108.50	2,449.28	108.79	2,448.99	109.83	2,447.95	108.84	2,448.94	110.91	2,446.87	110.05	2,447.73	89.80	2,467.98	110.43	2,447.35	111.21	2,446.57	111.38	2,446.40	111.70	2,446.08
SVE-1D	2,559.01	89.95	2,467.58	97.77	2,461.24	97.84	2,461.17	96.91	2,462.10	97.03	2,461.98	97.50	2,461.51	97.61	2,461.40	97.04	2,461.97	96.16	2,462.85	95.60	2,463.41	94.85	2,464.16	95.76	2,463.25	95.22	2,463.79	88.46	2,470.55	94.36	2,464.65	94.69	2,464.32	94.76	2,464.25	93.55	2,465.46
SVE-2D	2,558.16	87.35	2,469.33	93.74	2,464.42	93.60	2,464.56	92.85	2,465.31	92.75	2,465.41	93.11	2,465.05	93.14	2,465.02	92.79	2,465.37	92.24	2,465.92	91.54	2,466.62	90.84	2,467.32	91.59	2,466.57	91.12	2,467.04	86.20	2,471.96	90.71	2,467.45	90.45	2,467.71	90.69	2,467.47	90.60	2,467.56
SVE-3D	2,556.89	84.47	2,470.94	88.90	2,467.99	89.02	2,467.87	88.72	2,468.17	88.41	2,468.48	88.51	2,468.38	88.50	2,468.39	88.46	2,468.43	87.91	2,468.98	86.91	2,469.98	86.26	2,470.63	87.07	2,469.82	86.70	2,470.19	84.84	2,472.05	86.18	2,470.71	86.07	2,470.82	86.30	2,470.59	85.34	2,471.55
SVE-5D	2,556.26	86.47	2,465.76	86.71	2,466.42	89.64	2,463.49	88.25	2,464.88	88.05	2,465.08	88.60	2,464.53	88.76	2,464.37	87.97	2,465.16	87.70	2468.56[4]	85.79	2,470.47	88.05	2,468.21	84.86	2,471.40	86.80	2,469.46	82.69	2,473.57	85.71	2,470.55	87.63	2,468.63	87.48	2,468.78	83.90	2,472.36
SVE-6D	2,555.01	89.63	2,464.53	97.07	2,460.98	98.30	2,459.75	96.40	2,461.65	96.92	2,461.13	97.41	2,460.64	97.44	2,460.61	96.52	2,461.53	92.12	2462.89[4]	91.05	2,463.96	90.75	2,464.26	90.89	2,464.12	90.40	2,464.61	85.81	2,469.20	90.33	2,464.68	90.02	2,464.99	89.72	2,465.29	89.41	2,465.60
SVE-7D	2558.50[8]	88.53	2,468.83	88.66	2,469.84	88.98	2,469.52	88.36	2,470.14	88.21	2,470.29	88.40	2,470.10	88.60	2,469.90	88.52	2,469.98	87.81	2,470.69	87.13	2,471.37	86.60	2,471.90	86.44	2,472.06	86.10	2,472.40	85.72	2,472.78	85.69	2,472.81	85.60	2,472.90	85.63	2,472.87	NM	--
Regional Wells																																							
D-1	2,552.47	93.82	2,457.51	84.30	2,468.17	91.14	2,461.33	82.95	2,469.52	88.98	2,463.49	90.34	2,462.13	90.84	2,461.63	90.35	2,462.12	85.31	2,467.16	80.95	2,471.52	80.96	2,471.51	80.64	2,471.83	80.50	2,471.97	81.49	2,470.98	81.28	2,471.19	80.81	2,471.66	80.27	2,472.20	80.59	2,471.88
D-2	2,551.31	93.75	2,456.42	84.49	2,466.82	90.85	2,460.15	83.36	2,467.95	88.98	2,462.33	90.11	2,461.20	90.62	2,460.69	90.21	2,461.10	85.36	2,465.95	81.38	2,469.93	81.10	2,470.21	80.96	2,470.35	80.89	2,470.42	81.70	2,469.61	81.68	2,469.63	81.21	2,470.10	80.70	2,470.61	81.07	2,470.24
D-3	2,560.48	100.41	2,458.93	90.09	2,470.39	97.42	2,463.06	88.69	2,471.79	95.72	2,464.76	96.84	2,463.64	97.34	2,463.14	96.93	2,463.55	91.98	2,468.50	86.72	2,473.76	86.70	2,473.78	86.50	2,473.98	86.45	2,474.03	88.00	2,472.48	87.22	2,473.26	86.62	2,473.86	86.20	2,474.28	86.78	2,473.70
D-4	2,554.22	97.62	2,455.46	88.84	2,465.38	94.15	2,460.07	87.49	2,466.73	92.66	2,461.56	93.68	2,460.54	94.14	2,460.08	93.61	2,460.61	89.26	2,464.96	85.42	2,468.80	85.30	2,468.92	85.09	2,469.13	84.89	2,469.33	85.79	2,468.43	85.59	2,468.63	84.96	2,469.26	84.72	2,469.50	85.05	2,469.17
D-5	2,551.75	94.78	2,456.12	85.69	2,466.06	91.63	2,460.12	84.61	2,467.14	89.83	2,461.92	90.95	2,460.80	91.41	2,460.34	90.95	2,460.80	86.12	2,465.63	82.55	2,469.20	82.41	2,469.34	81.76	2,469.99	82.01	2,469.74	82.80	2,468.95	82.77	2,468.98	82.30	2,469.45	81.82	2,469.93	82.10	2,469.65
D-6	2,540.74	85.72	2,453.88	77.96	2,462.78	81.49	2,459.25	76.90	2,463.84	79.71	2,461.03	80.82	2,459.92	81.26	2,459.48	80.61	2,460.13	77.39	2,463.35	74.89	2,465.85	74.60	2,466.14	74.26	2,466.48	74.05	2,466.69	74.39	2,466.35	74.84	2,465.90	74.28	2,466.46	73.89	2,466.85	74.36	2,466.38
D-7	2,542.28	87.71	2,453.43	79.79	2,462.49	83.89	2,458.39	78.68	2,463.60	82.09	2,460.19	83.20	2,459.08	83.51	2,458.77	83.05	2,459.23	79.51	2,462.77	76.64	2,465.64	76.35	2,465.93	76.06	2,466.22	75.91	2,466.37	76.32	2,465.96	76.59	2,465.69	76.02	2,466.26	75.65	2,466.63	76.02	2,466.26
D-8	2,546.13	91.00	2,454.31	82.66	2,463.47	87.50	2,458.63	81.56	2,464.57	85.74	2,460.39	86.83	2,459.30	87.16	2,458.97	86.71	2,459.42	82.78	2,463.35	79.51	2,466.62	79.29	2,466.84	78.96	2,467.17	78.80	2,467.33	79.40	2,466.73	79.55	2,466.58	78.96	2,467.17	78.62	2,467.51	79.01	2,467.12
D-9	2,556.98	100.49	2,455.35	91.70	2,465.30	97.05	2,459.93	90.36	2,466.64	95.12	2,461.86	96.48	2,460.50	96.85	2,460.13	96.39	2,460.59	92.09	2,464.89	88.29	2,468.69	88.14	2,468.84	87.90	2,469.08	87.79	2,469.19	88.52	2,468.46	88.74	2,468.24	87.91	2,469.07	87.60	2,469.38	87.83	2,469.15
LF-5	2,564.88	90.58	2,473.16	83.74	2,481.14	85.04	2,479.84	82.69	2,482.19	83.52	2,481.36	84.40	2,480.48	84.91	2,479.97	84.91	2,479.97	82.84	2,482.04	81.22	2,483.66	81.20	2,483.68	81.06	2,483.82	80.76	2,484.12	81.15	2,483.73	81.64	2,483.24	81.35	2,483.53	80.67	2,484.21	81.41	2,483.47
LF-6	2,567.74	90.11	2,476.49	83.45	2,484.29	84.68	2,483.06	82.18	2,485.56	83.32	2,484.42	84.33	2,483.41	84.72	2,483.02	84.80	2,482.94	82.41	2,485.33	80.71	2,487.03	80.69	2,487.05	80.61	2,487.13	80.28	2,487.46	80.65	2,487.09	81.44	2,486.30	80.96	2,486.78	80.29	2,487.45	80.96	2,486.78
LF-7	2,563.29	86.99	2,475.16	80.66	2,482.63	82.66	2,480.63	79.09	2,484.20	81.00	2,482.29	82.21	2,481.08	82.60	2,480.69	82.83	2,480.46	79.62	2,483.67	77.60	2,485.69	77.44	2,485.85	77.31	2,485.98	76.94	2,486.35	77.29	2,486.00	77.80	2,485.49	77.57	2,485.72	77.01	2,486.28	77.61	2,485.68
MWR-2	2,554.46	93.34	2,460.18	83.86	2,470.60	90.42	2,464.04	82.76	2,471.70	88.44	2,466.02	89.61	2,464.85	90.06	2,464.40	89.76	2,464.70	84.64	2,469.82	80.90	2,473.56	80.75	2,473.71	80.57	2,473.89	80.53	2,473.93	81.17	2,473.29	81.30	2,473.16	80.86	2,473.60	80.32	2,474.14	80.75	2,473.71
RW-1	2,558.46	98.12	2,458.86	78.21	2,480.25	84.02	2,474.44	76.01	2,482.45	83.80	2,474.66	84.20	2,474.26	84.74	2,473.72	83.11	2,475.35	79.30	2,479.16	72.80	2,485.66	73.15	2,485.31	72.60	2,485.86	72.89	2,485.57	86.02	2,472.44	73.86	2,484.60	72.81	2,485.65	72.49	2,485.97	74.14	2,484.32
Other Wells																																							
S-19P	2,551.66	37.50	2,513.02	41.10	2,510.56	30.95	2,520.71	38.80	2,512.86	34.01	2,517.65	34.59	2,517.07	33.59	2,518.07	34.33	2,517.33	32.87	2,518.79	33.49	2,518.17	NM[6]	-	35.29	2,516.37	35.03	2,516.63	35.64	2,516.02	35.88	2,515.78	35.61	2,516.05	34.93	2,516.73	35.74	2,515.92

Appendix A
Historical Groundwater Levels
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well ID	Ref. Elev. Top of Casing	05/24/07-05/31/07 Baseline DTW (ft bgs)	05/24/07-05/31/07 Baseline Elevation (ft AMSL)	08/03/21-08/05/21 DTW (ft bgs)	08/03/21-08/05/21 Elevation (ft AMSL)	11/01/21-11/04/21 DTW (ft bgs)	11/01/21-11/04/21 Elevation (ft AMSL)	02/01/22-02/04/22 DTW (ft bgs)	02/01/22-02/04/22 Elevation (ft AMSL)	05/02/22-05/05/22 DTW (ft bgs)	05/02/22-05/05/22 Elevation (ft AMSL)	08/01/22-08/04/22 DTW (ft bgs)	08/01/22-08/04/22 Elevation (ft AMSL)	10/24/22-10/27/22 DTW (ft bgs)	10/24/22-10/27/22 Elevation (ft AMSL)	01/24/23-01/27/23 DTW (ft bgs)	01/24/23-01/27/23 Elevation (ft AMSL)	05/01/23 - 05/04/23 DTW (ft bgs)	05/01/23 - 05/04/23 Elevation (ft AMSL)	07/24/23 - 08/15/23 DTW (ft bgs)	07/24/23 - 08/15/23 Elevation (ft AMSL)	11/08/23 - 11/10/23 DTW (ft bgs)	11/08/23 - 11/10/23 Elevation (ft AMSL)	02/05/24 - 02/08/024 DTW (ft bgs)	02/05/24 - 02/08/024 Elevation (ft AMSL)	05/06/24 - 05/09/24 DTW (ft bgs)	05/06/24 - 05/09/24 Elevation (ft AMSL)	07/29/24 - 08/02/24 DTW (ft bgs)	07/29/24 - 08/02/24 Elevation (ft AMSL)	11/04/24 - 11/30/24 DTW (ft bgs)	11/04/24 - 11/30/24 Elevation (ft AMSL)	02/03/25 - 02/06/25 DTW (ft bgs)	02/03/25 - 02/06/25 Elevation (ft AMSL)	05/05/25 - 05/09/25 DTW (ft bgs)	05/05/25 - 05/09/25 Elevation (ft AMSL)	08/19/25 - 08/20/25 DTW (ft bgs)	08/19/25 - 08/20/25 Elevation (ft AMSL)
SGZ Wells																																							
LF-3	2,567.72	87.03	2,479.55	79.31	2,488.41	78.57	2,489.15	78.82	2,488.90	79.53	2,488.19	79.97	2,487.75	79.45	2,488.27	79.53	2,488.19	80.15	2,487.57	80.78	2,486.94	81.07	2,486.65	80.39	2,487.33	79.48	2,488.24	80.53	2,487.19	80.79	2,486.93	81.23	2,486.49	81.65	2,486.07	81.86	2,485.86
LF-4	2,564.49	86.08	2,477.27	78.09	2,486.40	76.99	2,487.50	77.10	2,487.39	77.95	2,486.54	78.43	2,486.06	78.09	2,486.40	78.01	2,486.48	78.61	2,485.88	79.26	2,485.23	79.99	2,484.50	79.33	2,485.16	78.32	2,486.17	79.18	2,485.31	79.51	2,484.98	79.89	2,484.60	80.31	2,484.18	80.18	2,484.31
S-1	2,552.04	85.84	2,465.43	83.57	2,468.47	82.59	2,469.45	81.28	2,470.76	81.17	2,470.87	82.05	2,469.99	82.03	2,470.01	82.37	2,469.67	79.99	2,472.29	79.20	2,473.08	79.51	2,472.77	79.32	2,472.96	81.75	2,470.29	82.39	2,469.65	82.83	2,469.45	83.46	2,468.82	84.00	2,468.28	83.77	2,468.51
S-3	2,554.28	82.41	2,469.09	79.51	2,473.13	77.90	2,474.74	76.74	2,475.90	79.33	2,473.31	NM	--	NM	--	79.59	2,474.69	79.59	2,474.69	78.63	2,475.65	78.30	2,475.98	78.20	2,476.08	78.58	2,475.70	78.98	2,475.30	79.40	2,474.88	79.40	2,474.88	79.14	2,475.14	80.07	2,474.21
S-4	2,552.55	84.47	2,466.96	80.76	2,471.81	78.35	2,474.22	76.33	2,476.24	75.15	2,477.42	78.35	2,474.22	NM	--	78.75	2,473.80	78.56	2,473.99	77.66	2,474.89	77.49	2,475.06	77.36	2,475.19	77.58	2,474.97	78.45	2,474.10	79.70	2,472.85	79.19	2,473.36	79.89	2,472.66	79.64	2,472.91
S-5	2,558.31	87.31	2,469.46	97.62	2,460.69	98.70	2,459.61	98.85	2,459.46	97.80	2,460.51	98.01	2,460.30	97.72	2,460.59	98.16	2,460.15	85.58	2,472.73	84.05	2,474.26	83.18	2,475.13	82.15	2,476.16	91.95	2,466.36	92.96	2,465.35	86.78	2,471.53	85.62	2,472.69	86.26	2,472.05	86.21	2,472.10
S-6	2,559.81	86.59	2,471.72	84.06	2,475.75	83.96	2,475.85	83.76	2,476.05	83.22	2,476.59	83.20	2,476.61	83.23	2,476.58	83.36	2,476.45	82.81	2,477.00	82.14	2,477.67	81.73	2,478.08	81.43	2,478.38	81.89	2,477.92	82.33	2,477.48	82.55	2,477.26	82.19	2,477.62	82.42	2,477.39	82.55	2,477.26
S-7	2,558.20	87.95	2,469.11	85.69	2,472.51	85.42	2,472.78	84.80	2,473.40	84.93	2,473.27	84.93	2,473.27	84.70	2,473.50	84.81	2,473.39	84.44	2,473.76	83.90	2,474.30	83.90	2,474.30	83.90	2,474.30	84.28	2,473.92	84.56	2,473.64	84.72	2,473.48	84.96	2,473.24	85.23	2,472.97	85.15	2,473.05
S-9	2,550.29	84.64	2,464.51	82.62	2,467.67	81.65	2,468.64	81.10	2,469.19	80.83	2,469.46	80.85	2,469.44	80.30	2,469.99	80.43	2,469.86	79.45	2,470.84	78.30	2,471.99	78.27	2,472.02	78.12	2,472.17	79.24	2,471.05	80.01	2,470.28	80.50	2,469.79	81.54	2,468.75	82.97	2,467.32	82.58	2,467.71
S-10	2,558.08	87.15	2,469.92	90.93	2,467.15	91.01	2,467.07	91.28	2,466.80	90.59	2,467.49	90.50	2,467.58	90.52	2,467.56	90.81	2,467.27	85.25	2,472.83	83.55	2,474.53	82.80	2,475.28	81.88	2,476.20	86.81	2,471.27	87.56	2,470.52	85.24	2,472.84	84.30	2,473.78	84.78	2,473.30	83.08	2,475.00
S-11	2,556.89	84.39	2,471.36	84.66	2,472.23	84.26	2,472.63	83.85	2,473.04	83.42	2,473.47	83.33	2,473.56	83.28	2,473.61	83.60	2,473.29	81.88	2,475.01	80.55	2,476.34	NM	--	79.23	2,477.66	80.43	2,476.46	81.14	2,475.75	81.40	2,475.49	80.52	2,476.37	80.95	2,475.94	81.12	2,475.77
S-12	2,554.47	88.36	2,464.97	88.11	2,466.36	87.35	2,467.12	87.42	2,467.05	86.93	2,467.54	87.04	2,467.43	86.58	2,467.89	87.01	2,467.46	83.66	2,470.81	82.70	2,471.77	82.95	2,471.52	82.76	2,471.71	85.59	2,468.88	86.21	2,468.26	87.10	2,467.37	87.89	2,466.58	88.71	2,465.76	88.01	2,466.46
S-13	2,561.08	90.45	2,469.49	87.59	2,473.49	87.31	2,473.77	87.50	2,473.58	86.73	2,474.35	86.87	2,474.21	85.70	2,475.38	86.74	2,474.34	86.39	2,474.69	85.96	2,475.12	85.77	2,475.31	85.79	2,475.29	86.06	2,475.02	86.43	2,474.65	86.50	2,474.58	86.71	2,474.37	86.89	2,474.19	86.95	2,474.13
S-14	2,560.64	90.18	2,469.32	88.49	2,472.15	88.05	2,472.59	88.15	2,472.49	87.54	2,473.10	87.88	2,472.76	87.56	2,473.08	87.63	2,473.01	86.65	2,473.99	85.92	2,474.72	85.70	2,474.94	85.51	2,475.13	86.42	2,474.22	86.80	2,473.84	86.91	2,473.73	87.05	2,473.59	87.31	2,473.33	87.18	2,473.46
S-16	2,557.45	88.47	2,467.92	91.85	2,465.60	91.52	2,465.93	91.68	2,465.77	90.81	2,466.64	90.66	2,466.79	90.09	2,467.36	90.67	2,466.78	86.80	2,470.65	85.00	2,472.45	84.25	2,473.20	83.48	2,473.97	86.93	2,470.52	87.55	2,469.90	87.70	2,469.75	88.14	2,469.31	89.10	2,468.35	89.12	2,468.33
S-17	2,551.72	83.31	2,467.27	76.75	2,474.97	76.48	2,475.24	76.05	2,475.67	75.55	2,476.17	75.49	2,476.23	75.76	2,475.96	75.64	2,476.08	75.61	2,476.11	75.62	2,476.10	75.80	2,475.92	75.59	2,476.13	75.88	2,475.84	76.28	2,475.44	76.39	2,475.33	76.49	2,475.23	76.80	2,474.92	76.68	2,475.04
S-18	2,550.81	86.20	2,463.47	85.56	2,465.25	84.68	2,466.13	84.60	2,466.21	84.69	2,466.12	84.60	2,466.21	84.23	2,466.58	84.32	2,466.49	80.21	2,470.60	79.75	2,471.06	80.57	2,470.24	80.29	2,470.52	84.45	2,466.36	85.04	2,465.77	85.82	2,464.99	86.47	2,464.34	87.30	2,463.51	85.95	2,464.86
S-19	2,551.00	84.66	2,465.43	82.67	2,468.33	81.68	2,469.32	81.45	2,469.55	81.95	2,469.05	82.10	2,468.90	81.38	2,469.62	82.28	2,468.72	80.66	2,470.34	82.32	2,468.68	80.22	2,470.78	80.16	2,470.84	80.97	2,470.03	81.77	2,469.23	82.33	2,468.67	82.93	2,468.07	83.76	2,467.24	83.32	2,467.68
S-20	2,553.95	85.94	2,466.87	83.20	2,470.75	82.86	2,471.09	82.12	2,471.83	82.39	2,471.56	82.54	2,471.41	82.36	2,471.59	82.41	2,471.54	81.70	2,472.25	81.52	2,472.43	81.39	2,472.56	81.41	2,472.54	81.83	2,472.12	82.15	2,471.80	82.31	2,471.64	82.64	2,471.31	82.96	2,470.99	82.87	2,471.08
S-21	2,550.02	87.00	2,461.88	85.92	2,464.10	84.61	2,465.41	84.81	2,465.21	84.95	2,465.07	84.72	2,465.30	84.22	2,465.80	84.29	2,465.73	79.83	2,470.19	76.73	2,473.29	80.64	2,469.38	80.39	2,469.63	84.67	2,465.35	85.39	2,464.63	86.59	2,463.43	87.55	2,462.47	88.39	2,461.63	89.04	2,460.98
S-22	2,587.05	98.96	2,486.95	96.59	2,490.46	96.04	2,491.01	96.15	2,490.90	96.67	2,490.38	97.06	2,489.99	96.75	2,490.30	96.84	2,490.21	97.12	2,489.93	97.79	2,489.26	97.24	2,489.81	96.65	2,490.40	95.18	2,491.87	95.33	2,491.72	95.40	2,491.65	96.18	2,490.87	96.14	2,490.91	97.51	2,489.54
S-23	2,542.05	81.93	2,458.98	77.63	2,464.42	77.58	2,464.47	77.13	2,464.92	76.95	2,465.10	76.96	2,465.09	76.73	2,465.32	76.75	2,465.30	76.55	2,465.50	76.74	2,465.31	76.55	2,465.50	76.72	2,465.33	76.73	2,465.32	77.07	2,464.98	NM	--	77.61	2,464.44	78.06	2,463.99	77.89	2,464.16
S-24	2,544.47	84.43	2,458.90	79.40	2,465.07	79.27	2,465.20	78.81	2,465.66	78.73	2,465.74	78.72	2,465.75	78.55	2,465.92	78.56	2,465.91	78.90	2,465.57	78.25	2,466.22	78.39	2,466.08	78.29	2,466.18	78.72	2,465.75	79.07	2,465.40	NM[11]	--	NM[11]	--	NM[11]	--	NM[11]	--
S-25	2,547.77	84.42	2,462.60	76.88	2,470.89	76.55	2,471.22	76.45	2,471.32	75.95	2,471.82	75.78	2,471.99	75.73	2,472.04	75.77	2,472.00	75.45	2,472.32	75.32	2,472.45	75.40	2,472.37	75.33	2,472.44	75.88	2,471.89	76.28	2,471.49	76.74	2,471.03	76.94	2,470.83	77.35	2,470.42	76.95	2,470.82
S-26	2,547.70	85.35	2,461.52	82.76	2,464.94	82.24	2,465.46	82.14	2,465.56	82.15	2,465.55	82.09	2,465.61	81.70	2,466.00	81.78	2,465.92	79.31	2,468.39	78.80	2,468.90	79.76	2,467.94	79.48	2,468.22	82.31	2,465.39	82.74	2,464.96	83.43	2,464.27	84.17	2,463.53	85.05	2,462.65	83.36	2,464.34
S-27	2,558.37	87.23	2,470.00	87.00	2,471.37	86.83	2,471.54	86.56	2,471.81	86.27	2,472.10	86.25	2,472.12	85.95	2,472.42	86.07	2,472.30	84.14	2,474.23	82.80	2,475.57	82.60	2,475.77	81.94	2,476.43	83.79	2,474.58	84.47	2,473.90	84.27	2,474.10	83.71	2,474.66	84.00	2,474.37	83.91	2,474.46
S-28	2,558.88	85.22	2,472.52	81.24	2,477.64	81.19	2,477.69	81.23	2,477.65	80.47	2,478.41	80.43	2,478.45	80.65	2,478.23	80.75	2,478.13	80.58	2,478.30	80.32	2,478.56	80.06	2,478.82	79.96	2,478.92	79.98	2,478.90	80.30	2,478.58	80.37	2,478.51	80.37	2,478.51	80.52	2,478.36	80.70	2,478.18
S-30	2,554.46	85.81	2,467.51	77.89	2,476.57	77.70	2,476.76	78.05	2,476.41	76.89	2,477.57	76.90	2,477.56	77.07	2,477.39	77.17	2,477.29	76.92	2,477.54	77.23	2,477.23	78.67	2,475.79	78.40	2,476.06	78.64	2,475.82	78.74	2,475.72	78.84	2,475.62	78.77	2,475.69	79.12	2,475.34	78.48	2,475.98
S-31	2,549.33	85.65	2,462.54	82.45	2,466.88	81.47	2,467.86	81.53	2,467.80	81.55	2,467.78	81.95	2,467.38	81.43	2,467.90	81.38	2,467.95	81.09	2,468.24	81.12	2,468.21	80.95	2,468.38	81.16	2,468.17	80.80	2,468.53	81.30	2,468.03	81.49	2,467.84	81.54	2,467.79	81.65	2,467.68	81.73	2,467.60
S-32	2,553.42	87.48	2,464.48	83.85	2,469.57	83.53	2,469.89	83.30	2,470.12	83.42	2,470.00	83.20	2,470.22	83.31	2,470.11	83.25	2,470.17	83.08	2,470.34	82.77	2,470.65	82.66	2,470.76	82.71	2,470.71	82.75	2,470.67	83.07	2,470.35	83.20	2,470.22	83.39	2,470.03	83.60	2,469.82	83.72	2,469.70
S-33	2,554.17	87.67	2,465.36	84.02	2,470.15	83.73	2,470.44	83.32	2,470.85	83.34	2,470.83	83.37	2,470.80	83.23	2,470.94	83.11	2,471.06	83.05	2,471.12	82.83	2,471.34	82.63	2,471.54	82.72	2,471.45	82.75	2,471.42	83.05	2,471.12	83.12	2,471.05	83.41	2,470.76	83.56	2,470.61	83.68	2,470.49
S-34	2,556.29	87.27	2,467.88	83.29	2,473.00	83.64	2,472.65	83.30	2,472.99	83.33	2,472.96	83.34	2,472.95	83.30	2,472.99	83.39	2,472.90	82.95	2,473.34	82.58	2,473.71	82.55	2,473.74	82.50	2,473.79	82.87	2,473.42	83.07	2,473.22	83.27	2,473.02	83.54	2,472.75	83.74	2,472.55	83.71	2,472.58
S-35	2,558.66	87.98	2,469.54	80.34	2,478.32	80.16	2,478.50	79.45	2,479.21	79.34	2,479.32	79.44	2,479.22	79.66	2,479.00	79.83	2,478.83	79.59	2,479.07	79.80	2,478.86	80.90	2,477.76	80.54	2,478.12	80.97	2,477.69	81.05	2,477.61	80.97	2,477.69	80.97	2,477.69	81.41	2,477.25	80.97	2,477.69
S-36	2,574.86	87.13	2,486.59	84.53	2,490.33	83.90	2,490.96	83.93	2,490.93	84.44	2,490.42	84.94	2,489.92	84.55	2,490.31	84.76	2,490.10	85.06	2,489.80	85.71	2,489.15	85.04	2,489.82	84.51	2,490.35	82.78	2,492.08	82.29	2,492.57	82.44	2,492.42	83.75	2,491.11	83.58	2,491.28	85.50	2,489.36
S-40	2,562.23	83.28	2,477.81	76.30	2,485.93	73.92	2,488.31	74.24	2,487.99	74.94	2,487.29	75.70	2,486.53	75.59	2,486.64	75.65	2,486.58	75.35	2,486.88	76.10	2,486.13	76.56	2,485.67	76.55	2,485.68	75.76	2,486.47	75.55	2,486.68	75.28	2,486.95	76.00	2,486.23	76.56	2,485.67	76.94	2,485.29
S-41	2,556.19	88.72	2,466.49	79.42	2,476.77	79.14	2,477.05	79.16	2,477.03	78.49	2,477.70	78.58	2,477.61	78.60	2,477.59	78.69	2,477.50	78.54	2,477.65	79.10	2,477.09	82.43	2,473.76	82.07	2,474.12	82.04	2,474.15	81.85	2,474.34	81.68	2,474.51	81.65	2,474.54	81.95	2,474.24	80.65	2,475.54
S-42	2,548.22	85.61	2,461.47	82.29	2,465.93	81.76	2,466.46	81.85	2,466.37	81.64	2,466.58	81.72	2,466.50	81.43	2,466.79	81.43	2,466.79	81.17	2,467.05	81.22	2,467.00	81.14	2,467.08	81.24	2,466.98	80.90	2,467.32	81.34	2,466.88	81.40	2,466.82	81.34	2,466.88	81.45	2,466.77	81.54	2,466.68
CRA-1	2,557.24	87.55	2,468.55	Dry	Dry	100.60	2,456.64	100.90	2,456.34	100.94	2,456.30	100.58	2,456.66	100.65	2,456.59	100.65	2,456.59	85.96	2,471.28	84.45	2,472.79	Dry	Dry	82.88	2,474.36	99.96	2,457.28	100.65	2,456.59	87.09	2,470.15	86.62	2,470.62	87.55	2,469.69	87.36	2,469.88
CRA-3	2,558.20	87.62	2,469.44	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	Dry	86.05	2,472.15	84.41	2,473.79	83.40	2,474.80	82.98	2,475.22	100.48	2,457.72	NM	--	87.23	2,470.97	86.61	2,471.59	87.69	2,470.51	70.39	2,487.81
CRA-13	2,543.64	81.53	2,460.97	78.33	2,465.31	77.75	2,465.89	77.45	2,466.19	77.35	2,466.29	77.40	2,466.24	NM	--	77.54	2,466.10	77.17	2,466.47	77.08	2,466.56	77.09	2,466.55	77.23	2,466.41	76.95	2,466.69	77.35	2,466.29	77.38	2,466.26	77.24	2,466.40	77.37	2,466.27	77.12	2,466.52
CRA-14	2,545.87	82.58	2,462.15	79.17	2,466.70	78.63	2,467.24	78.48	2,467.39	78.40	2,467.47	78.47	2,467.40	NM	--	78.39	2,467.48	78.02	2,467.85	77.79	2,468.08	77.88	2,467.99	78.03	2,467.84	77.85	2,468.02	78.29	2,467.58	78.35	2,467.52	78.33	2,467.54	78.59	2,467.28	78.48	2,467.39
CRA-16	2,556.38	87.73	2,467.51	77.75	2,478.63	76.92	2,479.46	76.95	2,479.43	76.24	2,480.14	76.58	2,479.80	76.73	2,479.65	76.85	2,479.53	76.79	2,479.59	77.35	2,479.03	79.45	2,476.93	79.04	2,477.34	79.43	2,476.95	79.79	2,476.59	79.87	2,476.51	79.96	2,476.42	80.44	2,475.94	79.10	2,477.28
CRA-18	2,554.20	88.18	2,464.88	77.74	2,476.46	77.04	2,477.16	76.95	2,477.25	76.68	2,477.52	77.00	2,477.20	76.94	2,477.26	76.84	2,477.36	77.04	2,477.16	77.59	2,476.61	80.75	2,473.45	79.87	2,474.33	80.62	2,473.58	80.95	2,473.25	81.15	2,473.05	81.15	2,473.05	81.65	2,472.55	79.33	2,474.87
CRA-21S	2,557.62	84.51	2,471.97	79.45	2,478.17	79.40	2,478.22	79.45	2,478.17	78.63	2,478.99	78.67	2,478.95	78.96	2,478.66	79.02	2,478.60	78.90	2,478.72	78.90	2,478.72	79.11	2,478.51	79.06	2,478.56	79.27	2,478.35	79.43	2,478.19	79.35	2,478.27	79.42	2,478.20	79.75	2,477.87	79.72	2,477.90
CRA-22S	2,552.69	85.82	2,465.73	76.96	2,475.73	76.72	2,475.97	76.63	2,476.06	75.99	2,476.70	NM	--	76.05	2,476.64	75.93	2,476.76	76.00	2,476.69	76.29	2,476.40	78.40	2,474.29	76.80	2,475.89	78.42	2,474.27	78.54	2,474.15	78.51	2,474.18	78.49	2,474.20	78.82	2,473.87	77.83	2,474.86
CRA-24S	2,558.36	-	-	98.82	2,459.54	98.44	2,459.92	98.65	2,459.71	98.24	2,460.12	97.51	2,460.85	96.97	2,461.39	97.90	2,460.46	86.90	2,471.46	84.58	2,473.78	86.68	2,471.68	82.62	2,475.74	91.08	2,467.28	91.15	2,467.21	88.42	2,469.94	88.37	2,469.99	90.34	2,468.02	90.60	2,467.76
CRA-31S	2,549.33	-	-	80.97	2,468.36	79.76	2,469.57	80.15	2,469.18	80.04	2,469.29	80.34	2,468.86	79.54	2,469.66	80.60	2,468.60	79.64	2,469.56	79.25	2,469.95	78.90	2,470.30	78.77	2,470.43	79.08	2,470.12	80.19	2,469.01	80.51	2,468.69	81.33	2,467.87	82.21	2,466.99	82.01	2,467.19
CRA-34S	2,550.58	-	-	82.80	2,467.78	81.77	2,468.81	81.10	2,469.48	82.07	2,468.51	82.17	2,468.41	81.44	2,469.14	82.16	2,468.42	80.05	2,470.53	79.79	2,470.79	79.61	2,470.97	79.52	2,471.06	81.02	2,469.56	81.59	2,468.99	82.33	2,468.25	82.92	2,467.66	83.71	2,466.87	83.09	2,467.49
CRA-38S	2,551.66	-	-	77.29	2,474.37	77.09	2,474.57	76.81	2,474.85	76.20	2,475.46	76.14	2,475.52	76.23	2,475.43	76.16	2,475.50	76.13	2,475.53	76.17	2,475.49	76.84	2,474.82	76.59	2,475.07	77.04	2,474.62	77.28	2,474.38	77.34	2,474.32	77.40	2,474.26	77.78	2,473.88	77.51	2,474.15
CRA-39S	2,550.77	-	-	77.40	2,473.37	77.08	2,473.69	76.25	2,474.52	76.04	2,474.73	76.02	2,474.75	76.15	2,474.62	76.19	2,474.58	76.09	2,474.68	75.91	2,474.86	75.96	2,474.81	75.90	2,474.87	76.19	2,474.58	76.49	2,474.28	76.70	2,474.07	76.84	2,473.93	77.21	2,473.56	77.26	2,473.51
CRA-52S	2,556.74	-	-	89.25	2,467.49	88.46	2,468.28	88.40	2,468.34	88.55	2,468.19	88.60	2,468.14	87.96	2,468.78	88.24	2,468.50	89.68	2,467.06	84.80	2,471.94	84.96	2,471.78	84.87	2,471.87	87.15	2,469.59	87.35	2,469.39	88.39	2,468.35	89.23	2,467.51	89.89	2,466.85	89.10	2,467.64
CRA-57S	2,551.79	-	-	87.01	2,464.78	86.10	2,465.69	86.34	2,465.45	86.40	2,465.39	86.30	2,465.47	85.84	2,465.93	85.95	2,465.82	81.47	2,470.30	81.10	2,470.67	82.18	2,469.59	81.81	2,469.96	86.29	2,465.48	NM[11]	--	87.68	2,464.09	88.02	2,463.75	88.84	2,462.93	87.32	2,464.45
CRA-61S	2,549.36	-	-	75.15	2,474.21	74.55	2,474.81	74.40	2,474.96	74.66	2,474.70	74.89	2,474.47	74.64	2,474.72	74.56	2,474.80	74.93	2,474.43	75.36	2,474.00	79.22	2,470.14	78.15	2,471.21	78.91	2,470.45	79.91	2,469.45	80.15	2,469.21	80.26	2,469.10	80.97	2,468.39	77.10	2,472.26
CRA-62S	2,550.02	-	-	75.23	2,474.79	74.46	2,475.56	74.50	2,475.52	74.70	2,475.32	75.07	2,474.95	74.62	2,475.40	74.64	2,475.38	75.15	2,474.87	74.55	2,475.47	79.35	2,470.67	78.44	2,471.58	78.89	2,471.13	80.04	2,469.98	80.23	2,469.79	80.38	2,469.64	81.28	2,468.74	77.37	2,472.65
CRA-67S	2,549.81	-	-	82.64	2,467.17	81.54	2,468.27	81.61	2,468.20	81.65	2,468.16	81.79	2,468.02	81.23	2,468.58	81.84	2,467.97	80.65	2,469.16	79.99	2,469.82	79.69	2,470.12	79.43	2,470.38	80.36	2,469.45	81.29	2,468.52	81.85	2,467.96	82.46	2,467.35	83.37	2,466.44	83.13	2,466.68
CU-1	2,576.44	94.74	2,480.56	82.81	2,493.63	82.69	2,493.75	82.96	2,493.48	83.98	2,492.46	84.01	2,491.29	83.54	2,491.76	83.95	2,491.35	84.73	2,490.57	85.35	2,489.95	85.00	2,490.30	84.45	2,490.85	83.47	2,491.83	85.68	2,489.62	86.25	2,489.05	85.60	2,489.70	86.68	2,488.62	87.40	2,487.90
GHD-1S	2,556.66	-	-	89.37	2,467.29	88.70	2,467.96	88.65	2,468.01	88.50	2,468.16	88.55	2,468.11	87.95	2,468.71

Appendix A
Historical Groundwater Levels
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well ID	Ref. Elev. Top of Casing	05/24/07-05/31/07 Baseline DTW (ft bgs)	05/24/07-05/31/07 Baseline Elevation (ft AMSL)	08/03/21-08/05/21 DTW (ft bgs)	08/03/21-08/05/21 Elevation (ft AMSL)	11/01/21-11/04/21 DTW (ft bgs)	11/01/21-11/04/21 Elevation (ft AMSL)	02/01/22-02/04/22 DTW (ft bgs)	02/01/22-02/04/22 Elevation (ft AMSL)	05/02/22-05/05/22 DTW (ft bgs)	05/02/22-05/05/22 Elevation (ft AMSL)	08/01/22-08/04/22 DTW (ft bgs)	08/01/22-08/04/22 Elevation (ft AMSL)	10/24/22-10/27/22 DTW (ft bgs)	10/24/22-10/27/22 Elevation (ft AMSL)	01/24/23-01/27/23 DTW (ft bgs)	01/24/23-01/27/23 Elevation (ft AMSL)	05/01/23 - 05/04/23 DTW (ft bgs)	05/01/23 - 05/04/23 Elevation (ft AMSL)	07/24/23 - 08/15/23 DTW (ft bgs)	07/24/23 - 08/15/23 Elevation (ft AMSL)	11/08/23 - 11/10/23 DTW (ft bgs)	11/08/23 - 11/10/23 Elevation (ft AMSL)	02/05/24 - 02/08/024 DTW (ft bgs)	02/05/24 - 02/08/024 Elevation (ft AMSL)	05/06/24 - 05/09/24 DTW (ft bgs)	05/06/24 - 05/09/24 Elevation (ft AMSL)	07/29/24 - 08/02/24 DTW (ft bgs)	07/29/24 - 08/02/24 Elevation (ft AMSL)	11/04/24 - 11/30/24 DTW (ft bgs)	11/04/24 - 11/30/24 Elevation (ft AMSL)	02/03/25 - 02/06/25 DTW (ft bgs)	02/03/25 - 02/06/25 Elevation (ft AMSL)	05/05/25 - 05/09/25 DTW (ft bgs)	05/05/25 - 05/09/25 Elevation (ft AMSL)	08/19/25 - 08/20/25 DTW (ft bgs)	08/19/25 - 08/20/25 Elevation (ft AMSL)
GSU Wells (cont'd)																																							
CRA-12	2,556.21	89.16	2,465.91	86.74	2,469.47	85.69	2,470.52	85.71	2,470.50	84.10	2,472.11	85.11	2,471.10	85.14	2,471.07	85.44	2,470.77	83.66	2,472.55	83.33	2,472.88	83.17	2473.04	82.97	2473.24	84.72	2471.49	85.39	2470.82	85.34	2,470.87	86.30	2,469.91	87.04	2,469.17	86.80	2,469.41
CRA-15	2,558.43	88.25	2,468.80	103.87	2,454.56	103.57	2,454.86	103.60	2,454.83	103.40	2,455.03	103.07	2,455.36	101.85	2,456.58	102.83	2,455.60	86.15	2,472.28	84.80	2,473.63	84.18	2474.25	83.58	2474.85	97.71	2460.72	97.70	2460.73	89.88	2,468.55	90.29	2,468.14	92.76	2,465.67	92.58	2,465.85
CRA-21D	2,557.50	86.33	2,470.03	79.77	2,477.73	80.48	2,477.02	80.21	2,477.29	79.84	2,477.66	79.97	2,477.53	80.11	2,477.39	80.16	2,477.34	79.59	2,477.91	79.49	2,478.01	79.86	2477.64	79.82	2477.68	80.26	2477.24	80.53	2476.97	80.57	2,476.93	80.61	2,476.89	80.98	2,476.52	80.58	2,476.92
CRA-22D	2,552.66	92.06	2,459.46	79.30	2,473.36	78.61	2,474.05	78.70	2,473.96	78.98	2,473.68	NM	--	78.96	2,473.70	78.89	2,473.77	79.64	2,473.02	80.19	2,472.47	85.24	2467.42	85.24	2467.42	84.73	2467.93	85.94	2466.72	86.47	2,466.19	86.25	2,466.41	87.08	2,465.58	81.60	2,471.06
CRA-23	2,557.30	88.70	2,467.02	76.13	2,481.17	75.32	2,481.98	75.68	2,481.62	75.98	2,481.32	76.40	2,480.90	76.03	2,481.27	76.18	2,481.12	76.60	2,480.70	77.28	2,480.02	79.77	2477.53	79.44	2477.86	79.11	2478.19	80.40	2476.90	81.02	2,476.28	81.06	2,476.24	81.75	2,475.55	79.10	2,478.20
CRA-24D	2,558.38	-	-	106.23	2,452.15	105.85	2,452.53	105.96	2,452.42	105.60	2,452.78	105.12	2,453.26	103.75	2,454.63	104.79	2,453.59	86.16	2,472.22	84.70	2,473.68	84.03	2474.35	83.31	2475.07	99.71	2458.67	99.62	2458.76	90.21	2,468.17	91.59	2,466.79	95.15	2,463.23	94.92	2,463.46
CRA-31D	2,549.30	-	-	81.00	2,468.30	79.71	2,469.59	80.20	2,469.10	80.09	2,469.21	80.35	2,468.87	79.53	2,469.69	80.55	2,468.67	79.67	2,469.55	79.22	2,470.00	78.84	2470.38	78.77	2470.45	79.10	2470.12	80.19	2469.03	80.55	2,468.67	81.34	2,467.88	82.31	2,466.91	82.05	2,467.17
CRA-34D	2,550.66	-	-	82.82	2,467.84	81.78	2,468.88	81.82	2,468.84	82.11	2,468.55	82.22	2,468.44	81.45	2,469.21	82.21	2,468.45	80.08	2,470.58	80.02	2,470.64	79.64	2471.02	79.60	2471.06	81.09	2469.57	81.75	2468.91	82.37	2,468.29	82.95	2,467.71	83.74	2,466.92	83.11	2,467.55
CRA-38D	2,551.68	-	-	78.16	2,473.52	77.55	2,474.13	77.65	2,474.03	77.47	2,474.21	77.73	2,473.95	77.47	2,474.21	77.50	2,474.18	77.75	2,473.93	77.93	2,473.75	81.73	2469.95	81.72	2469.96	81.75	2469.93	82.41	2469.27	82.94	2,468.74	82.96	2,468.72	83.31	2,468.37	79.37	2,472.31
CRA-39D	2,550.78	-	-	76.70	2,474.08	76.22	2,474.56	76.20	2,474.58	75.55	2,475.23	75.72	2,475.06	75.71	2,475.07	75.81	2,474.97	74.90	2,475.88	74.70	2,476.08	75.45	2475.33	75.23	2475.55	76.20	2474.58	76.55	2474.23	76.68	2,474.10	76.79	2,473.99	77.25	2,473.53	76.47	2,474.31
CRA-42	2,547.39	-	-	80.17	2,467.22	79.54	2,467.85	79.30	2,468.09	79.63	2,467.76	79.90	2,467.49	79.49	2,467.90	79.53	2,467.86	79.98	2,467.41	80.41	2,466.98	84.19	2463.20	84.13	2463.26	83.83	2463.56	84.68	2462.71	85.47	2,461.92	85.41	2,461.98	86.13	2,461.26	81.90	2,465.49
CRA-52D	2,556.58	-	-	89.74	2,466.84	89.00	2,467.58	89.15	2,467.43	89.12	2,467.46	89.10	2,467.48	88.57	2,468.01	88.76	2,467.82	85.49	2,471.09	84.90	2,471.68	85.34	2471.24	85.33	2471.25	88.62	2467.96	88.89	2467.69	89.42	2,467.16	89.81	2,466.77	90.52	2,466.06	89.56	2,467.02
CRA-57D	2,551.78	-	-	87.07	2,464.71	86.18	2,465.60	86.38	2,465.40	86.51	2,465.27	86.38	2,465.32	85.97	2,465.73	86.04	2,465.66	81.25	2,470.45	81.02	2,470.68	82.19	2469.51	81.90	2469.80	86.64	2465.06	NM[11]	--	87.97	2,463.73	88.27	2,463.43	89.05	2,462.65	87.41	2,464.29
CRA-61D	2,549.34	-	-	76.16	2,473.18	75.50	2,473.84	75.38	2,473.96	75.94	2,473.40	76.16	2,473.18	75.71	2,473.63	75.79	2,473.55	76.58	2,472.76	76.94	2,472.40	81.68	2467.66	81.73	2467.61	81.18	2468.16	82.41	2466.93	83.00	2,466.34	83.13	2,466.21	83.75	2,465.59	78.46	2,470.88
CRA-62D	2,550.00	-	-	76.25	2,473.75	75.66	2,474.34	76.04	2,473.96	76.08	2,473.92	76.34	2,473.66	75.90	2,474.10	75.94	2,474.06	76.74	2,473.26	76.03	2,473.97	81.69	2468.31	81.75	2468.25	81.18	2468.82	82.37	2467.63	82.95	2,467.05	83.05	2,466.95	83.74	2,466.26	78.69	2,471.31
CRA-67D	2,549.91	-	-	82.62	2,467.29	81.83	2,468.08	81.81	2,468.10	81.93	2,467.98	82.16	2,467.75	81.71	2,468.20	81.99	2,467.92	81.00	2,468.91	81.10	2,468.81	83.37	2466.54	83.18	2466.73	84.01	2465.90	84.94	2464.97	85.41	2,464.50	85.66	2,464.25	86.31	2,463.60	83.74	2,466.17
EW-1	2,552.82	87.59	2,463.86	116.94	2,435.88	115.26[9]	2,437.56	116.66[9]	2,436.16	117.10	2,435.72	115.76	2,437.06	115.30	2,437.52	115.40	2,437.42	82.96	2,469.86	82.50	2,470.32	83.53	2469.29	83.33	2469.49	112.20	2440.62	111.56	2441.26	96.20	2,456.62	97.10	2,455.72	99.63	2,453.19	99.30	2,453.52
EW-2	2,554.70	88.93	2,464.63	88.70	2,466.00	87.89	2,466.81	87.98	2,466.72	87.70	2,467.00	85.85	2,468.85	87.35	2,467.35	87.67	2,467.03	83.83	2,470.87	82.84	2,471.86	83.68	2471.02	83.44	2471.26	86.84	2467.86	87.44	2467.26	88.23	2,466.47	88.89	2,465.81	89.00	2,465.70	88.90	2,465.80
EW-2R	2,553.09	87.33	2,464.29	104.17	2,448.92	104.14	2,448.95	104.33	2,448.76	104.2	2,448.89	104.17	2,448.92	108.50	2,444.59	110.54	2,442.04	82.45	2,470.13	81.20	2,471.38	81.57	2471.01	81.39	2471.19	108.36	2444.22	108.49	2444.09	94.92	2,457.66	96.15	2,456.43	102.80	2,449.78	105.20	2,447.38
EW-3	2,553.54	84.48	2,467.59	79.41	2,474.13	78.40	2,475.14	78.65	2,474.89	77.60	2,475.94	77.95	2,475.59	77.69	2,475.85	77.89	2,475.65	77.23	2,476.31	77.00	2,476.54	77.67	2475.87	77.50	2476.04	77.95	2475.59	78.49	2475.05	78.68	2,474.86	78.88	2,474.66	79.30	2,474.24	79.18	2,474.36
EW-4	2,547.05	84.11	2,461.46	113.82	2,433.23	114.55	2,432.50	114.25	2,432.80	114.85	2,432.20	95.90	2,451.15	97.30	2,449.75	102.40	2,444.65	79.54	2,467.51	76.47	2,470.58	81.32	2465.73	81.11	2465.94	97.98	2449.07	97.00	2450.05	99.92	2,447.13	103.17	2,443.88	89.35	2,457.70	86.82	2,460.23
EW-5	2,547.44	85.54	2,461.10	80.55	2,466.89	79.68	2,467.76	79.73	2,467.71	79.95	2,467.49	79.95	2,467.49	79.55	2,467.89	79.65	2,467.79	77.00	2,470.44	77.00	2,470.44	79.45	2467.99	79.24	2468.20	82.19	2465.25	82.92	2464.52	83.80	2,463.64	83.90	2,463.54	84.54	2,462.90	81.52	2,465.92
GHD-1D	2,556.67	-	-	89.38	2,467.29	88.79	2,467.88	88.81	2,467.86	88.79	2,467.88	88.79	2,467.88	88.27	2,468.40	88.45	2,468.22	85.31	2,471.36	84.66	2,472.01	85.11	2471.56	85.10	2471.57	88.10	2468.57	NM[12]	--	NM[12]	--	NM[12]	--	NM[12]	--	NM[12]	--
MWS-1	2,549.04	87.28	2,460.62	82.28	2,466.76	81.55	2,467.49	81.23	2,467.81	81.50	2,467.54	81.50	2,467.54	81.63	2,467.41	81.19	2,467.85	80.94	2,468.10	80.98	2,468.06	81.22	2467.82	81.21	2467.83	81.13	2467.91	81.37	2467.67	81.49	2,467.55	81.74	2,467.30	81.99	2,467.05	81.85	2,467.19
MWR-1	2,556.62	88.48	2,467.00	75.71	2,480.91	74.94	2,481.68	75.33	2,481.29	75.70	2,480.92	76.03	2,480.59	75.63	2,480.99	75.72	2,480.90	76.24	2,480.38	76.92	2,479.70	79.40	2477.22	79.13	2477.49	78.75	2477.87	80.26	2476.36	80.75	2,475.87	80.78	2,475.84	81.52	2,475.10	78.76	2,477.86
DP-1	2,557.78	87.65	2,468.66	111.88	2,445.90	111.85	2,445.93	112.20	2,445.58	112.25	2,445.53	110.99	2,446.79	109.05	2,448.73	111.46	2,446.32	85.80	2,471.98	84.20	2,473.58	83.57	2474.21	82.91	2474.87	105.83	2451.95	100.53	2457.25	96.59	2,461.19	98.86	2,458.92	106.09	2,451.69	107.77	2,450.01
SVE-1D	2,559.01	89.95	2,467.58	93.90[2]	2,465.11	93.73	2,465.28	93.85	2,465.16	94.19	2,464.82	93.72	2,465.29	92.85	2,466.16	93.07	2,465.94	86.36	2,472.65	85.59	2,473.42	85.58	2473.43	85.17	2473.84	91.53	2467.48	91.96	2467.05	88.49	2,470.52	88.70	2,470.31	89.10	2,469.91	88.70	2,470.31
SVE-2D	2,558.16	87.35	2,469.33	89.57[2]	2,468.59	90.95	2,467.21	91.11	2,467.05	93.38	2,464.78	90.49	2,467.67	89.78	2,468.38	90.15	2,468.01	83.99	2,474.17	82.90	2,475.26	82.30	2475.86	81.65	2476.51	87.17	2470.99	87.80	2470.36	84.38	2,473.78	83.81	2,474.35	84.45	2,473.71	84.55	2,473.61
SVE-3D	2,556.89	84.47	2,470.94	86.50	2,470.39	86.39	2,470.50	86.36	2,470.53	85.52	2,471.37	85.26	2,471.63	85.26	2,471.63	85.52	2,471.37	82.65	2,474.24	83.00	2,473.89	80.15	2476.74	79.27	2477.62	81.62	2475.27	82.36	2474.53	82.00	2,474.89	80.95	2,475.94	81.50	2,475.39	80.61	2,476.28
SVE-5D	2,556.26	86.47	2,465.76	84.39	2,471.87	83.00	2,473.26	83.06	2,473.20	81.48	2,474.78	82.45	2,470.68	82.42	2,470.71	82.70	2,470.43	80.62	2,472.51	80.00	2,473.13	80.08	2473.05	79.91	2473.22	82.22	2470.91	82.90	2470.23	83.14	2,469.99	83.93	2,469.20	84.50	2,468.63	84.24	2,468.89
SVE-6D	2,555.01	89.63	2,464.53	89.32	2,465.69	87.62	2,467.39	87.73	2,467.28	88.83	2,466.18	88.75	2,469.30	88.70	2,469.35	88.48	2,469.57	84.12	2,473.93	83.55	2,474.50	84.40	2473.65	84.20	2473.85	88.20	2469.85	88.82	2469.23	89.42	2,468.63	89.75	2,468.30	90.50	2,467.55	89.25	2,468.80
SVE-7D	2558.50[8]	88.53	2,468.83	NM	--	86.68	2,473.17	87.40	2,473.78	NM	--	87.66	2,473.52	87.37	2,473.81	87.56	2,473.62	84.10	2,477.08	84.23[10]	2,476.95	86.74	2474.44	86.63	2474.55	87.03	2474.15	NM	--	87.46	2,473.72	87.12	2,474.06	87.41	2,473.77	85.65	2,475.53
Regional Wells																																							
D-1	2,552.47	93.82	2,457.51	80.57	2,471.90	79.81	2,472.66	79.82	2,472.65	80.15	2,472.32	80.60	2,471.87	NM	--	80.11	2,472.36	81.15	2,544.47	79.48	2,472.99	86.85	2465.62	86.98	2,465.49	86.00	2,466.47	87.09	2,465.38	87.80	2,464.67	88.04	2,464.43	88.60	2,463.87	82.69	2,469.78
D-2	2,551.31	93.75	2,456.42	81.21[2]	2,470.10	80.21	2,471.10	80.15	2,471.16	80.59	2,470.72	80.84	2,470.47	80.65	2,470.66	80.49	2,470.82	81.30	2,470.01	81.80	2,469.51	86.73	2464.58	86.65	2,464.66	85.94	2,465.37	87.04	2,464.27	87.60	2,463.71	87.50	2,463.81	88.26	2,463.05	82.94	2,468.37
D-3	2,560.48	100.41	2,458.93	86.49	2,473.99	85.90	2,474.58	86.32	2,474.16	86.25	2,474.23	86.55	2,473.93	86.24	2,474.24	86.30	2,474.18	87.71	2,472.77	88.26	2,472.22	93.49	2466.99	93.46	2,467.02	91.82	2,468.66	93.02	2,467.46	94.03	2,466.45	94.03	2,466.45	94.59	2,465.89	88.88	2,471.60
D-4	2,554.22	97.62	2,455.46	84.84	2,469.38	84.24	2,469.98	84.10	2,470.12	84.40	2,469.82	84.70	2,469.52	84.37	2,469.85	84.32	2,469.90	85.13	2,469.09	85.76	2,468.46	90.10	2464.12	90.12	2,464.10	89.19	2,465.03	90.27	2,463.95	90.87	2,463.35	91.05	2,463.17	91.59	2,462.63	86.73	2,467.49
D-5	2,551.75	94.78	2,456.12	82.17	2,469.58	81.33	2,470.42	81.15	2,470.60	81.59	2,470.16	81.75	2,470.00	81.50	2,470.25	81.55	2,470.20	82.28	2,469.47	82.80	2,468.95	87.50	2464.25	87.34	2,464.41	86.66	2,465.09	87.74	2,464.01	88.30	2,463.45	88.23	2,463.52	89.00	2,462.75	83.69	2,468.06
D-6	2,540.74	85.72	2,453.88	74.12	2,466.62	73.44	2,467.30	73.22	2,467.52	73.54	2,467.20	73.81	2,466.93	73.36	2,467.38	73.44	2,467.30	73.71	2,467.03	74.42	2,466.32	77.31	2463.43	77.16	2,463.58	77.14	2,463.60	78.10	2,462.64	78.74	2,462.00	78.78	2,461.96	79.34	2,461.40	75.79	2,464.95
D-7	2,542.28	87.71	2,453.43	75.87	2,466.41	76.21	2,466.07	76.15	2,466.13	75.30	2,466.98	75.58	2,466.70	75.12	2,467.16	75.18	2,467.10	75.57	2,466.71	74.95	2,467.33	79.53	2462.75	79.38	2,462.90	79.16	2,463.12	80.10	2,462.18	80.76	2,461.52	80.78	2,461.50	81.37	2,460.91	77.51	2,464.77
D-8	2,546.13	91.00	2,454.31	78.82	2,467.31	78.19	2,467.94	78.12	2,468.01	78.32	2,467.81	78.61	2,467.52	78.17	2,467.96	78.26	2,467.87	78.88	2,467.25	79.20	2,466.93	83.18	2462.95	83.07	2,463.06	82.70	2,463.43	83.65	2,462.48	84.32	2,461.81	84.41	2,461.72	85.00	2,461.13	80.65	2,465.48
D-9	2,556.98	100.49	2,455.35	87.67	2,469.31	87.35	2,469.63	87.15	2,469.83	87.33	2,469.65	87.58	2,469.40	87.23	2,469.75	87.29	2,469.69	87.95	2,469.03	87.31	2,469.67	92.86	2464.12	92.93	2,464.05	92.07	2,464.91	93.21	2,463.77	93.97	2,463.01	93.91	2,463.07	93.55	2,463.43	89.63	2,467.35
LF-5	2,564.88	90.58	2,473.16	81.06	2,483.82	80.22	2,484.66	80.41	2,484.47	81.28	2,483.60	81.64	2,483.24	81.19	2,483.69	81.21	2,483.67	81.91	2,482.97	82.53	2,482.35	83.31	2481.57	82.75	2,482.13	82.24	2,482.64	83.67	2,481.21	84.02	2,480.86	84.14	2,480.74	84.82	2,480.06	84.22	2,480.66
LF-6	2,567.74	90.11	2,476.49	80.63	2,487.11	79.87	2,487.87	79.90	2,487.84	80.83	2,486.91	81.20	2,486.54	80.78	2,486.96	80.80	2,486.94	81.43	2,486.31	82.10	2,485.64	82.62	2485.12	82.00	2,485.74	81.28	2,486.46	82.49	2,485.25	82.82	2,484.92	83.05	2,484.69	83.59	2,484.15	83.45	2,484.29
LF-7	2,563.29	86.99	2,475.16	77.35	2,485.94	76.25	2,487.04	76.38	2,486.91	77.53	2,485.76	77.74	2,485.55	77.34	2,485.95	77.34	2,485.95	77.91	2,485.38	78.56	2,484.73	79.33	2483.96	78.75	2,484.54	78.04	2,485.25	79.14	2,484.15	79.45	2,483.84	79.79	2,483.50	80.31	2,482.98	79.94	2,483.35
MWR-2	2,554.46	93.34	2,460.18	80.55	2,473.91	79.91	2,474.55	79.90	2,474.56	80.29	2,474.17	80.62	2,473.84	80.22	2,474.24	80.20	2,474.26	80.98	2,473.48	81.38	2,473.08	86.68	2467.78	86.70	2,467.76	86.13	2,468.33	87.36	2,467.10	87.95	2,466.51	88.79	2,465.67	88.54	2,465.92	82.90	2,471.56
RW-1	2,558.46	98.12	2,458.86	72.25	2,486.21	72.50	2,485.96	72.79	2,485.67	70.80	2,487.66	69.70	2,488.76	70.05	2,488.41	70.15	2,488.31	85.72	2,472.74	86.20	2,472.26	91.51	2466.95	91.50	2,466.96	72.95	2,485.51	74.85	2,483.61	81.30	2,477.16	82.45	2,476.01	83.92	2,474.54	73.30	2,485.16
Other Wells																																							
S-19P	2,551.66	37.50	2,513.02	32.03	2,519.63	36.08	2,515.58	35.97	2,515.69	32.84	2,518.82	35.37	2,516.29	36.65	2,515.01	35.49	2,516.17	38.38	2,513.28	35.30	2,516.36	38.10	2,513.56	32.51	2,519.15	36.99	2,514.67	32.44	2,519.22	39.23	2,512.43	42.65	2,509.01	41.83	2,509.83	38.32	2,513.34

Notes:

TIAA - Tucson International Airport Area
DTW - depth to water
ft bgs - feet below ground surface
ft AMSL - feet above mean sea level
SGZ - Shallow Groundwater Zone
GSU - Gravel Subunit
- - Not Applicable
NM - Not measured
+ - May and August 2016 elevations determined from SCADA information
DRY - no water detected

[1] DTW collected September 12-18, 2012
[2] May and August 2016 elevations determined from SCADA information
[3] Anomalous water level; not used for contouring
[4] Reference elevation adjusted due to RRS treatment switch from SVE-6 to SVE-5
[5] Water level collected 9/16/19.
[6] Water level not collected. Unable to access well.
[7] DTW collected in August 2021 not in line with recent water level trends. Therefore used water level collected during July/August 2021 semi-annual sampling event.
[8] Reference elevation adjusted to 2559.85 after startup at RRS SVE-7 on 2/22/21. Feb 2022 changed to 2561.18 due to riser pipe process change.
[9] Due to very brief shutdown at EW-1 at time of manual water level collection, used SCADA data for DTW and groundwater elevation.
[10] Static water level collected prior to well purge during the Jul/Aug 2023 groundwater sampling event used due do field collection error during the August 2023 groundwater monitoring event (CRA-8 sampled on 7/24/23; SVE-7D sampled on 08/6/23)
[11] Well pad damaged, unable to tag.
[12] No safe access to well. Unable to tag.

Appendix B

Process Summary Including Extraction Well Flow Rate Changes and Shutdowns

Appendix B Process Summaries

Extraction Well Flow/Groundwater Elevation – DP-1 ..... B-1
Extraction Well Flow/Groundwater Elevation – CRA-5 ..... B-2
Extraction Well Flow/Groundwater Elevation – EW-1 ..... B-3
Extraction Well Flow/Groundwater Elevation – EW-2R B-4
Extraction Well Flow/Groundwater Elevation – EW-4 ..... B-5
Extraction Well Flow/Groundwater Elevation – S-38 ..... B-6

Table B.1 - Summary of Extraction Well Flow Rate Changes B-7

Monthly Extracted Groundwater Volume – TI Zone B-8
Monthly Extracted Groundwater Volume – On-Airport Property B-9
Monthly Extracted Groundwater Volume – Off-Airport Property B-10
Monthly Extracted Groundwater Volume B-11
Monthly Process Volumes for SGZ System B-12

Extraction Well TCE Data – TI Zone B-13
Extraction Well TCE Data – On-Airport Property B-14
Extraction Well TCE Data – Off-Airport Property B-15

Air Stripper Process Water Data B-16
TI Zone SVE Extraction Well TCE Data B-17
RRS SVE-7 Extraction Well TCE and Ethylbenzene Data B-18

VOC Monthly Mass Removal from Groundwater B-19
VOC Cumulative Mass Removal from Groundwater B-20
VOC Mass Removal from Soil in TI Zone B-21
VOC Cumulative Mass Removal from Soil in TI Zone B-22
VOC Monthly Mass Removal from Soil in RRS SVE-7 ..... B-23
VOC Cumulative Mass Removal from Soil in RRS SVE-7 ..... B-24
VOC Cumulative Mass Removal from Groundwater, TI Zone, and RRS SVE Systems B-25

Appendix B Process Summaries

Extraction Well Flow/Groundwater Elevation – DP-1 ..... B-1
Extraction Well Flow/Groundwater Elevation – CRA-5 ..... B-2
Extraction Well Flow/Groundwater Elevation – EW-1 ..... B-3
Extraction Well Flow/Groundwater Elevation – EW-2R B-4
Extraction Well Flow/Groundwater Elevation – EW-4 ..... B-5
Extraction Well Flow/Groundwater Elevation – S-38 ..... B-6

Table B.1 - Summary of Extraction Well Flow Rate Changes B-7

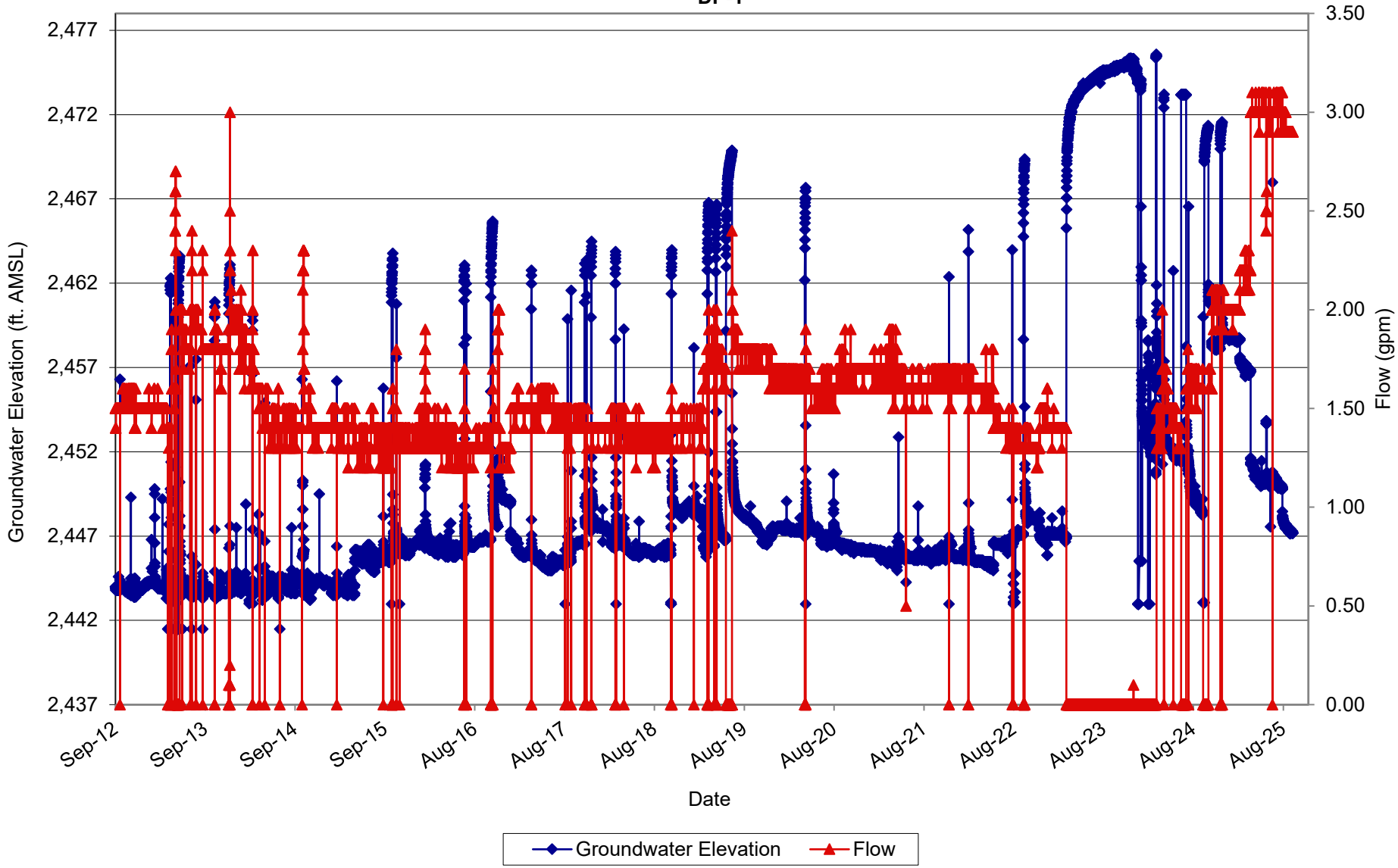
Monthly Extracted Groundwater Volume – TI Zone B-8
Monthly Extracted Groundwater Volume – On-Airport Property B-9
Monthly Extracted Groundwater Volume – Off-Airport Property B-10
Monthly Extracted Groundwater Volume B-11
Monthly Process Volumes for SGZ System B-12

Extraction Well TCE Data – TI Zone B-13
Extraction Well TCE Data – On-Airport Property B-14
Extraction Well TCE Data – Off-Airport Property B-15

Air Stripper Process Water Data B-16
TI Zone SVE Extraction Well TCE Data B-17
RRS SVE-7 Extraction Well TCE and Ethylbenzene Data B-18

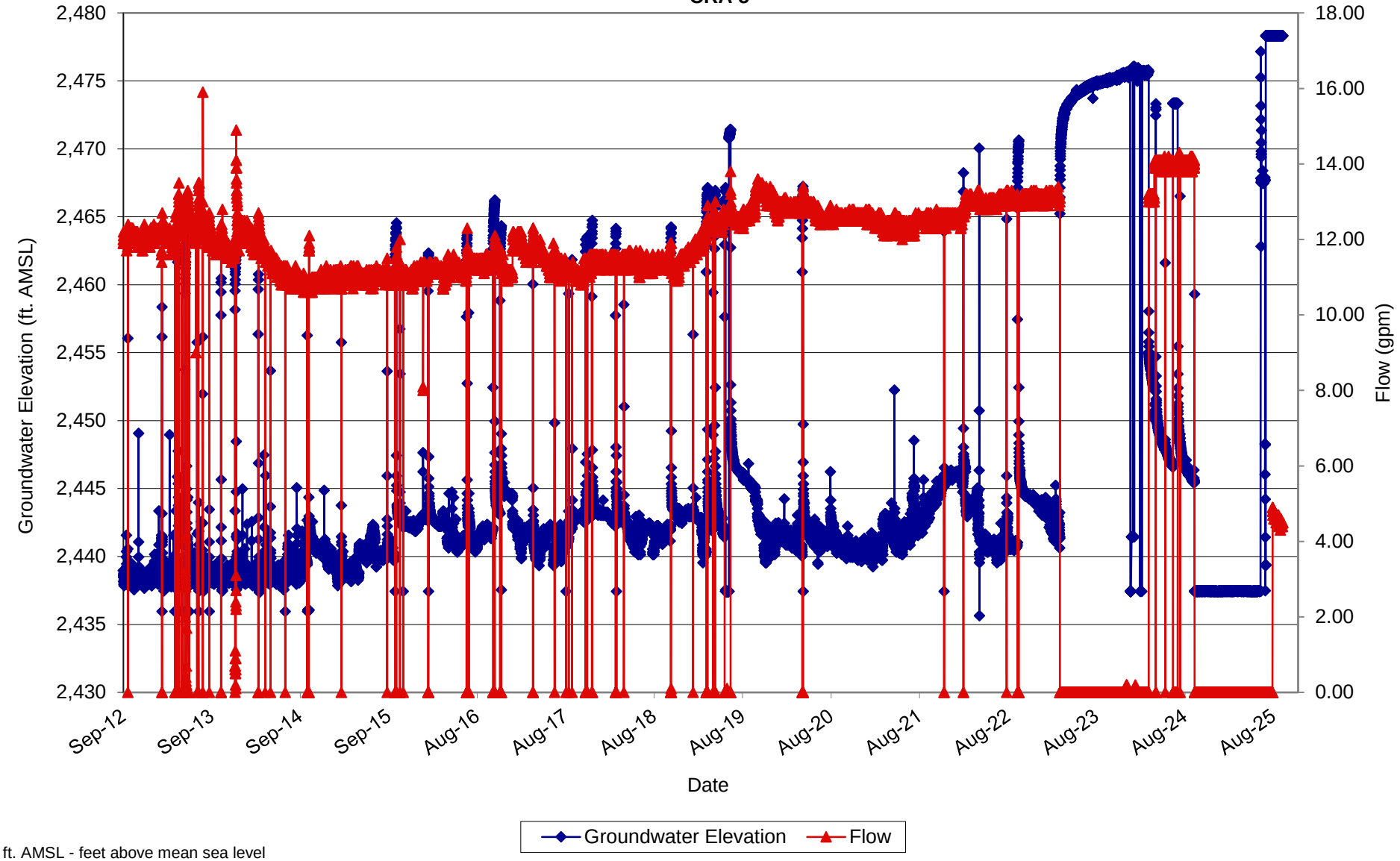
VOC Monthly Mass Removal from Groundwater B-19
VOC Cumulative Mass Removal from Groundwater B-20
VOC Mass Removal from Soil in TI Zone B-21
VOC Cumulative Mass Removal from Soil in TI Zone B-22
VOC Monthly Mass Removal from Soil in RRS SVE-7 ..... B-23
VOC Cumulative Mass Removal from Soil in RRS SVE-7 ..... B-24
VOC Cumulative Mass Removal from Groundwater, TI Zone, and RRS SVE Systems B-25

Extraction Well Flow
Groundwater Elevation
TIAA Superfund Site - Airport Property
Tucson, Arizona
DP-1



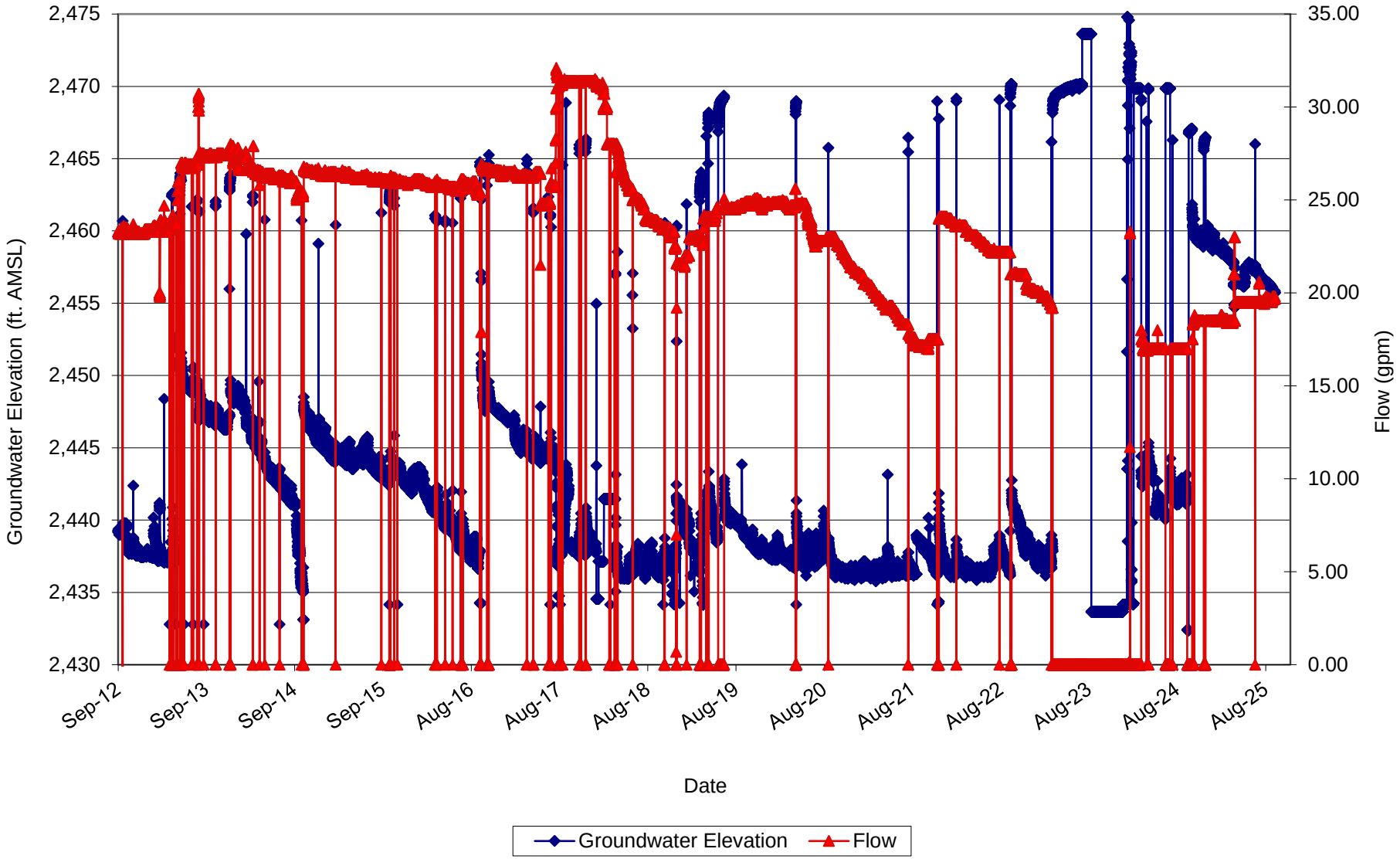
ft. AMSL - feet above mean sea level
gpm - gallons per minute
Updated reference elevations used for groundwater elevations beginning May 2015

Extraction Well Flow
Groundwater Elevation
TIAA Superfund Site - Airport Property
Tucson, Arizona
CRA-5



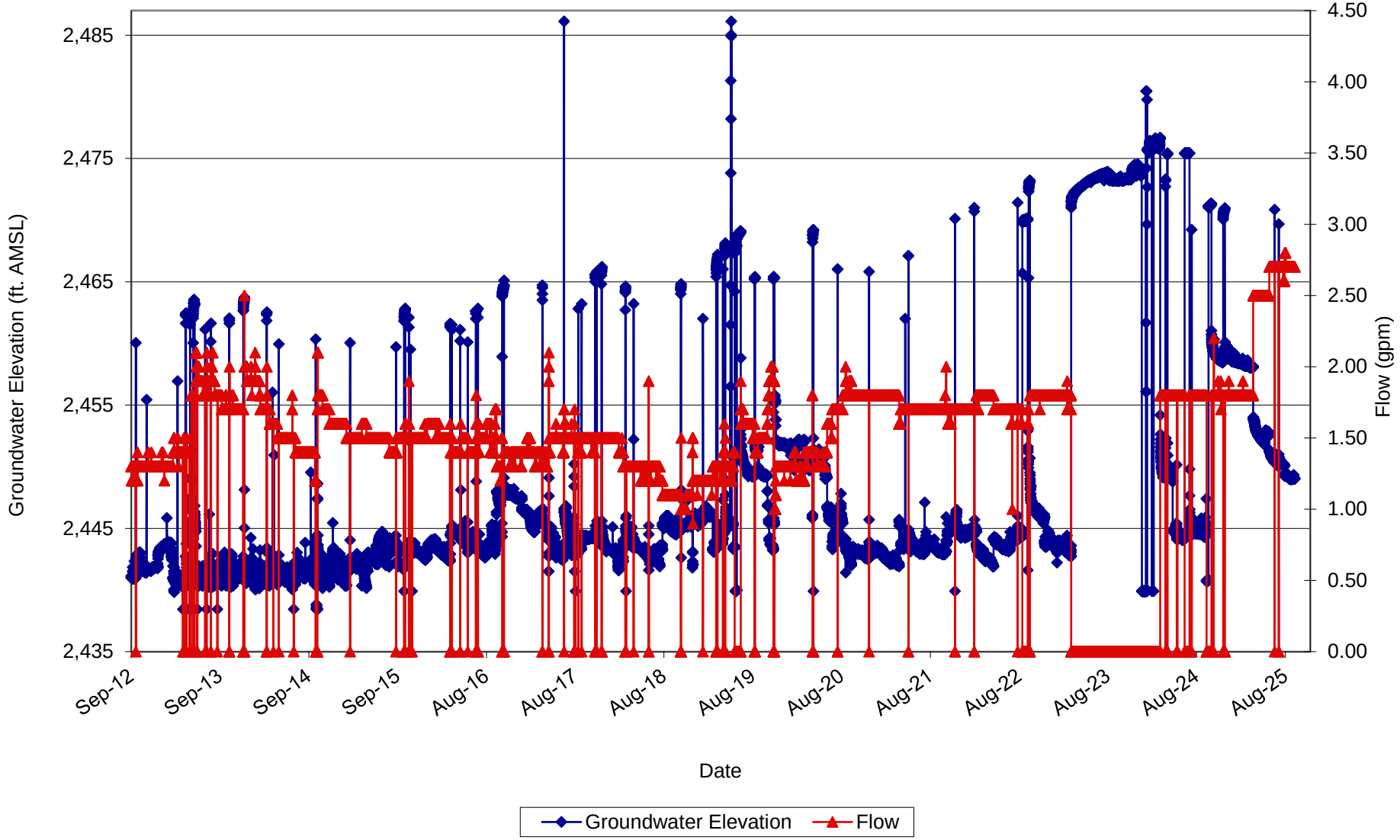
ft. AMSL - feet above mean sea level
gpm - gallons per minute
Updated reference elevations used for groundwater elevations beginning May 2015
CRA-5 lodged in well casing from 10/7/2024 - present.

Extraction Well Flow
Groundwater Elevation
TIAA Superfund Site - Airport Property
Tucson, Arizona
EW-1



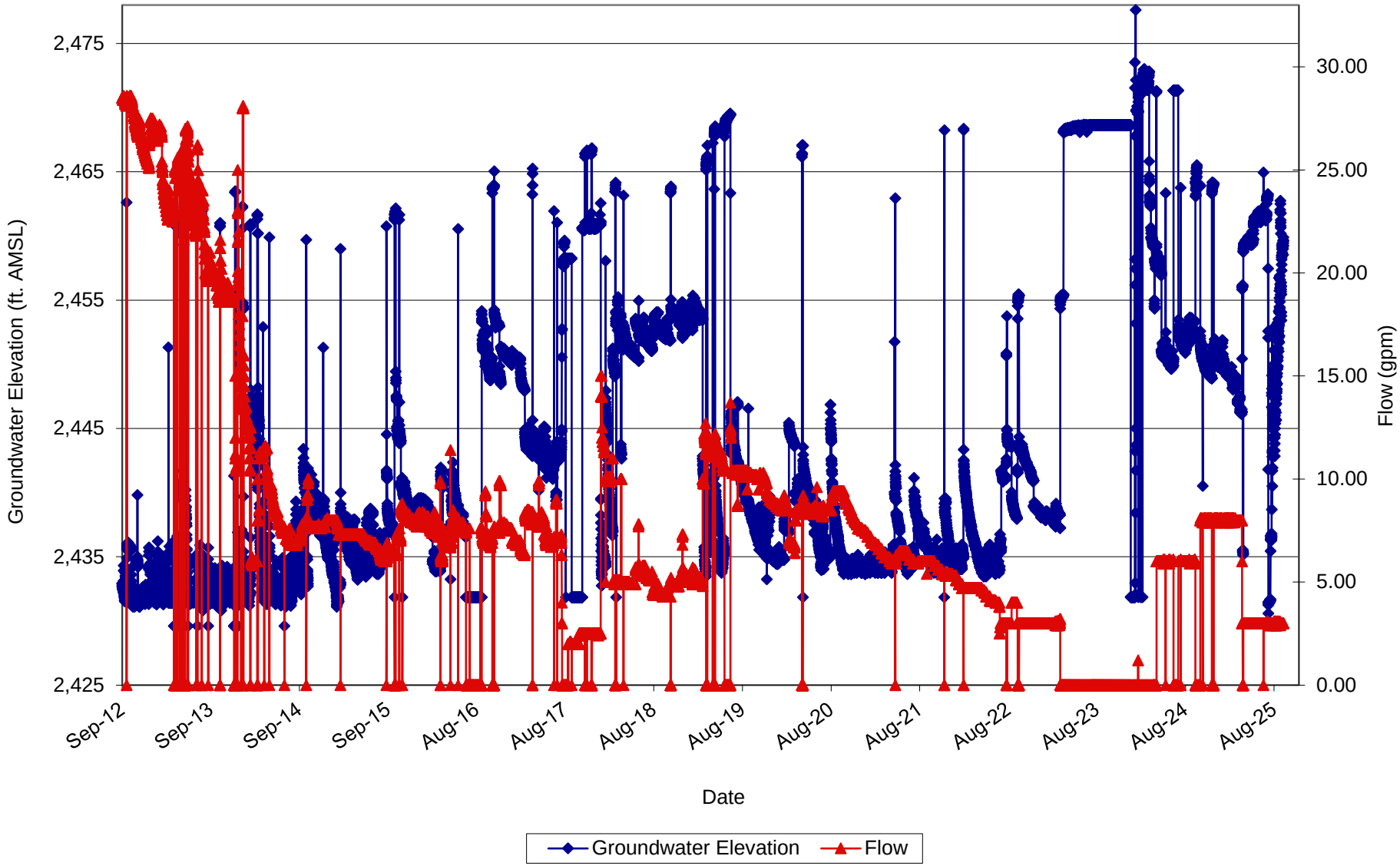
ft. AMSL - feet above mean sea level
gpm - gallons per minute
Updated reference elevations used for groundwater elevations beginning May 2015

Extraction Well Flow
Groundwater Elevation
TIAA Superfund Site - Airport Property
Tucson, Arizona
EW-2R



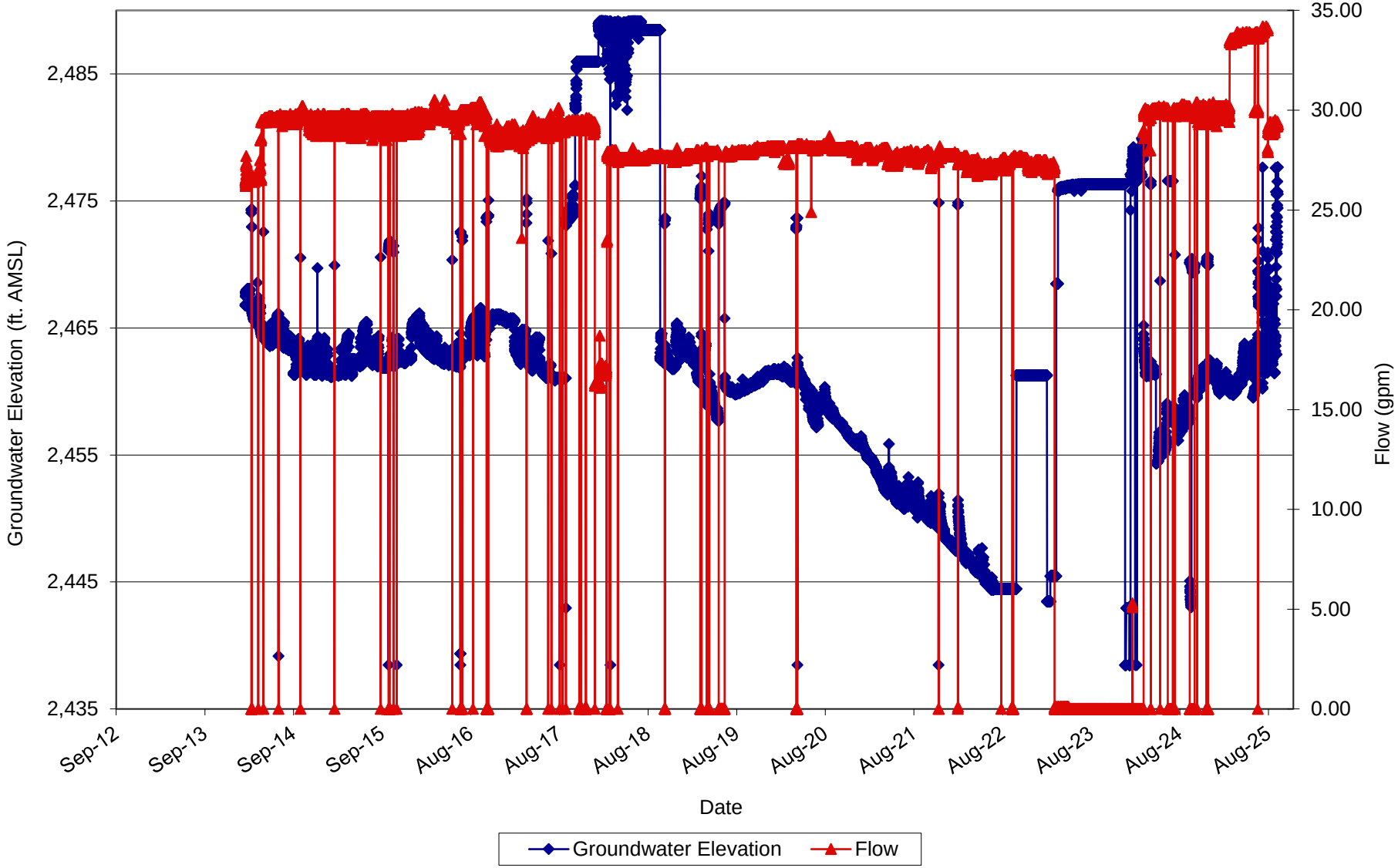
ft. AMSL - feet above mean sea level
gpm - gallons per minute
Updated reference elevations used for groundwater elevations beginning May 2015

Extraction Well Flow
Groundwater Elevation
TIAA Superfund Site - Airport Property
Tucson, Arizona
EW-4



ft. AMSL - feet above mean sea level
gpm - gallons per minute
Updated reference elevations used for groundwater elevations beginning May 2015

Extraction Well Flow
Groundwater Elevation
TIAA Superfund Site - Airport Property
Tucson, Arizona
S-38



ft. AMSL - feet above mean sea level
gpm - gallons per minute
Updated reference elevations used for groundwater elevations beginning May 2015

Table B.1

Summary of Extraction Well Flow Rate Changes

SGZ Groundwater Extraction System - March 1, 2025 through August 31, 2025

TIAA Superfund Site - Airport Property

Tucson, Arizona

Date of	Extraction Well												Setpoint	Flow	
	EW-1		EW-2R		EW-4		S-38		DP-1		CRA-5				
Flow Change	Setpoint	Flow	Setpoint	Flow	Setpoint	Flow	Setpoint	Flow	Setpoint	Flow	Setpoint	Flow	Total	Total	Comment
03/05/25	19.0	18.7	1.8	1.8	8.0	8.0	30.0	30.0	2.2	2.2	0.0	0.0	**61.0**	**60.7**	DP-1 flow increased.
03/31/25	19.0	18.7	1.8	1.8	8.0	8.0	30.0	33.0	2.2	2.2	0.0	0.0	**61.0**	**63.7**	S-38 turned up manually from 83% to 100% to increase SGZ flow.
04/18/25	23.0	23.0	2.5	2.5	3.0	3.0	30.0	33.0	3.0	3.0	0.0	0.0	**61.5**	**64.5**	Mod flows
04/23/25	18.5	18.5	2.5	2.5	3.0	3.0	30.0	33.0	3.0	3.0	0.0	0.0	**57.0**	**60.0**	Mod flow EW-1
04/24/25	19.5	19.5	2.5	2.5	3.0	3.0	30.0	33.0	3.0	3.0	0.0	0.0	**58.0**	**61.0**	Mod flow EW-1
06/01/25	19.5	19.5	2.5	2.5	3.0	3.0	30.0	33.0	3.0	3.0	0.0	0.0	**58.0**	**61.0**	Power blip
06/12/25	19.5	19.5	2.5	2.5	3.0	3.0	30.0	33.0	3.0	3.0	0.0	0.0	**58.0**	**61.0**	Power blip
06/20/25	19.5	19.5	2.5	2.5	3.0	3.0	30.0	33.0	3.0	3.0	0.0	0.0	**58.0**	**61.0**	Power blip
06/23/25	19.5	19.5	2.7	2.7	3.0	3.0	30.0	33.0	3.0	3.0	0.0	0.0	**58.2**	**61.2**	Increased flow EW-2R
07/02/25	19.5	19.5	2.7	2.7	3.0	3.0	30.0	30.0	3.0	3.0	0.0	0.0	**58.2**	**58.2**	
07/03/25	19.5	19.5	2.7	2.7	3.0	3.0	30.0	33.0	3.0	3.0	0.0	0.0	**58.2**	**61.2**	Put S-38 back to manual control
07/15/25	19.5	19.5	2.7	2.7	3.0	3.0			3.0	3.0	0.0	0.0	**28.2**	**28.2**	Power blip
07/18/25	19.5	19.5	2.7	2.7	3.0	3.0	30.0	33.0	3.0	3.0	0.0	0.0	**58.2**	**61.2**	Power blip
07/21/25	19.5	19.5	2.7	2.7	3.0	3.0	30.0	33.0	3.0	3.0	0.0	0.0	**58.2**	**61.2**	Power blip
07/29/25	19.5	19.5	2.7	2.7	3.0	3.0	30.0	33.0	3.0	3.0	0.0	0.0	**58.2**	**61.2**	Power blip
08/01/25	19.5	19.5	2.7	2.7	3.0	3.0	30.0	33.0	3.0	3.0	0.0	0.0	**58.2**	**61.2**	EW-2R down for 1 day
08/02/25	19.5	19.5	2.7	2.7	3.0	3.0	30.0	33.0	3.0	3.0	0.0	0.0	**58.2**	**61.2**	Unknown spike on EW-1
08/03/25	19.5	19.5	2.7	2.7	3.0	3.0	30.0	33.0	3.0	3.0	0.0	0.0	**58.2**	**61.2**	EW-4 level probe failed
08/25/25	19.5	19.5	2.7	2.7	3.0	3.0	28.0	28.0	3.0	3.0	5.0	4.5	**61.2**	**60.7**	Reduced flow on S-38, CRA-5 online
08/26/25	19.5	19.5	2.7	2.7	3.0	3.0	29.0	29.0	3.0	3.0	5.0	4.5	**62.2**	**61.7**	Increased flow on S-38

TIAA - Tucson International Airport Area

SGZ - Shallow groundwater Zone

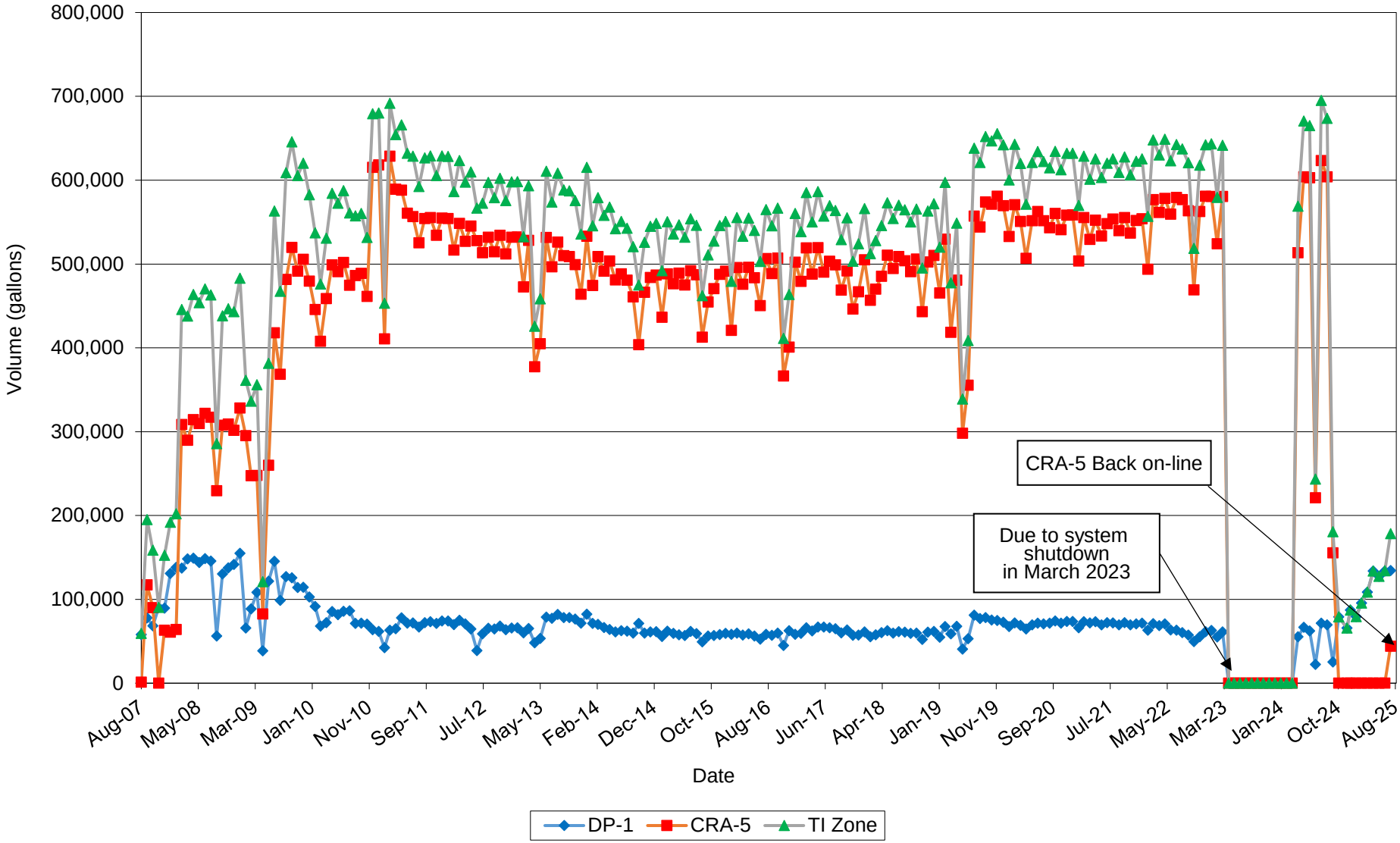
All flow values are in gallons per minute (GPM)

Indicates change in setpoint

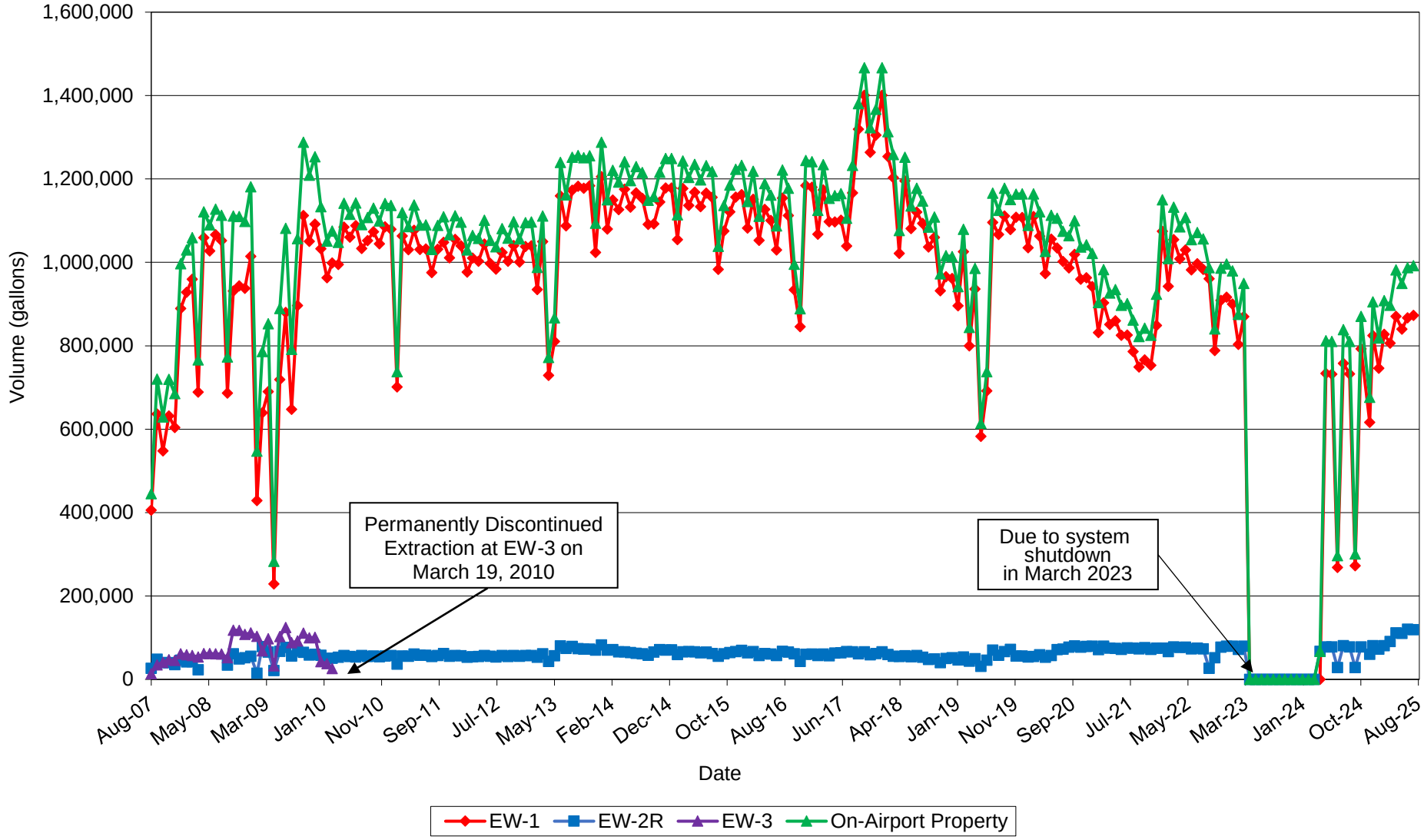
Indicates no flow

Indicates change in flow

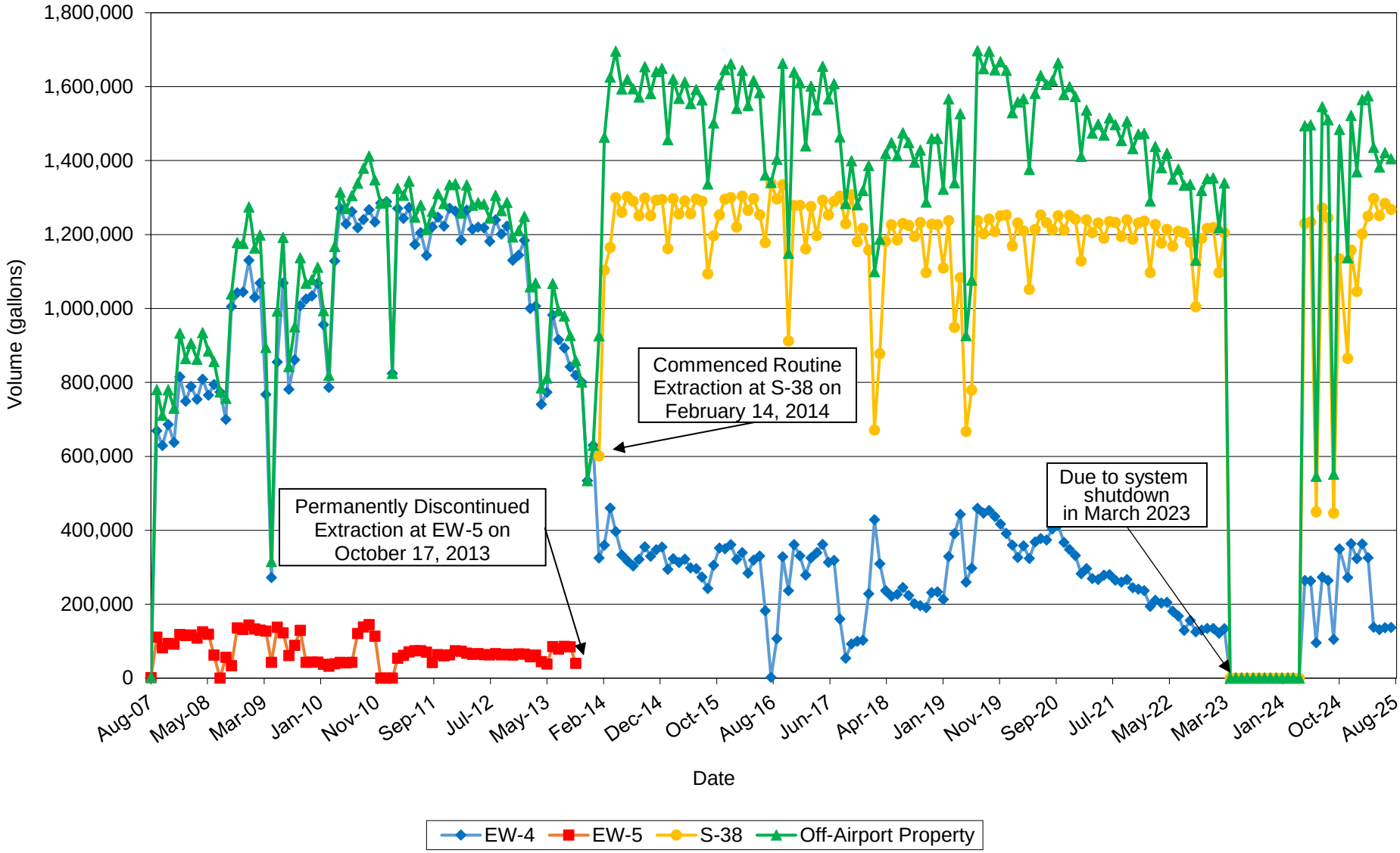
Monthly Extracted Groundwater Volume
TIAA Superfund Site - Airport Property
Tucson, Arizona
TI Zone



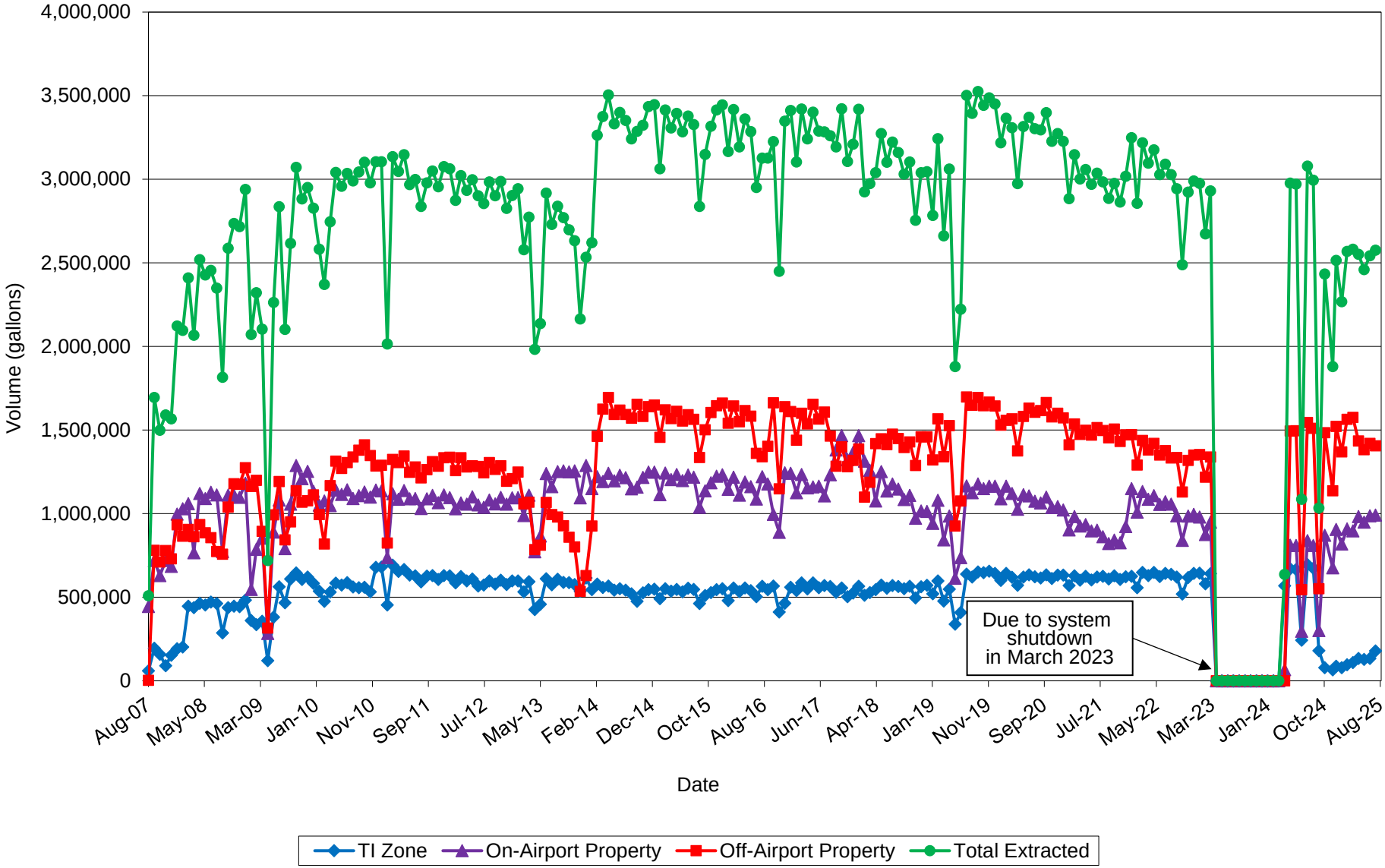
Monthly Extracted Groundwater Volume
TIAA Superfund Site - Airport Property
Tucson, Arizona
On-Airport Property



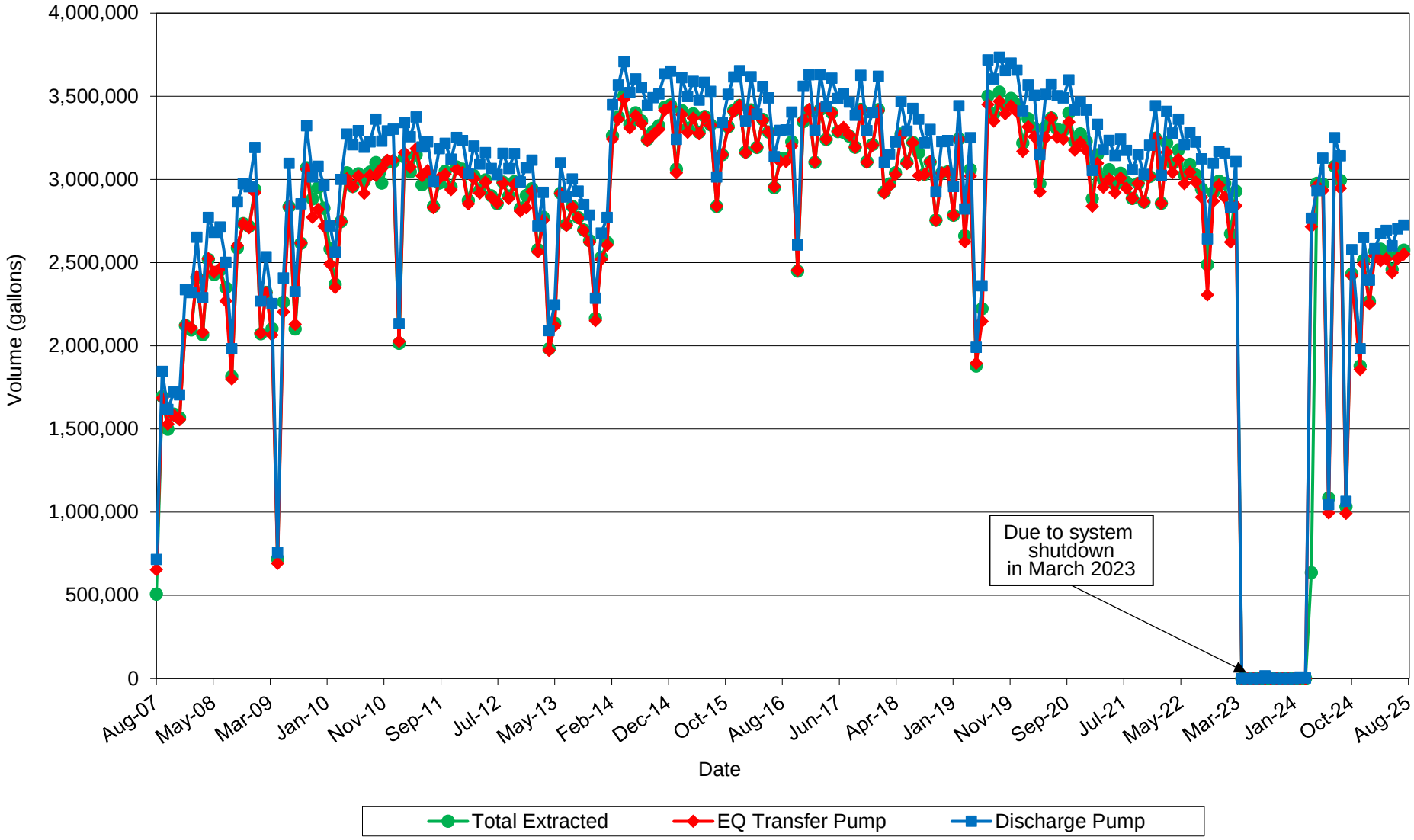
Monthly Extracted Groundwater Volume
TIAA Superfund Site - Airport Property
Tucson, Arizona
Off-Airport Property



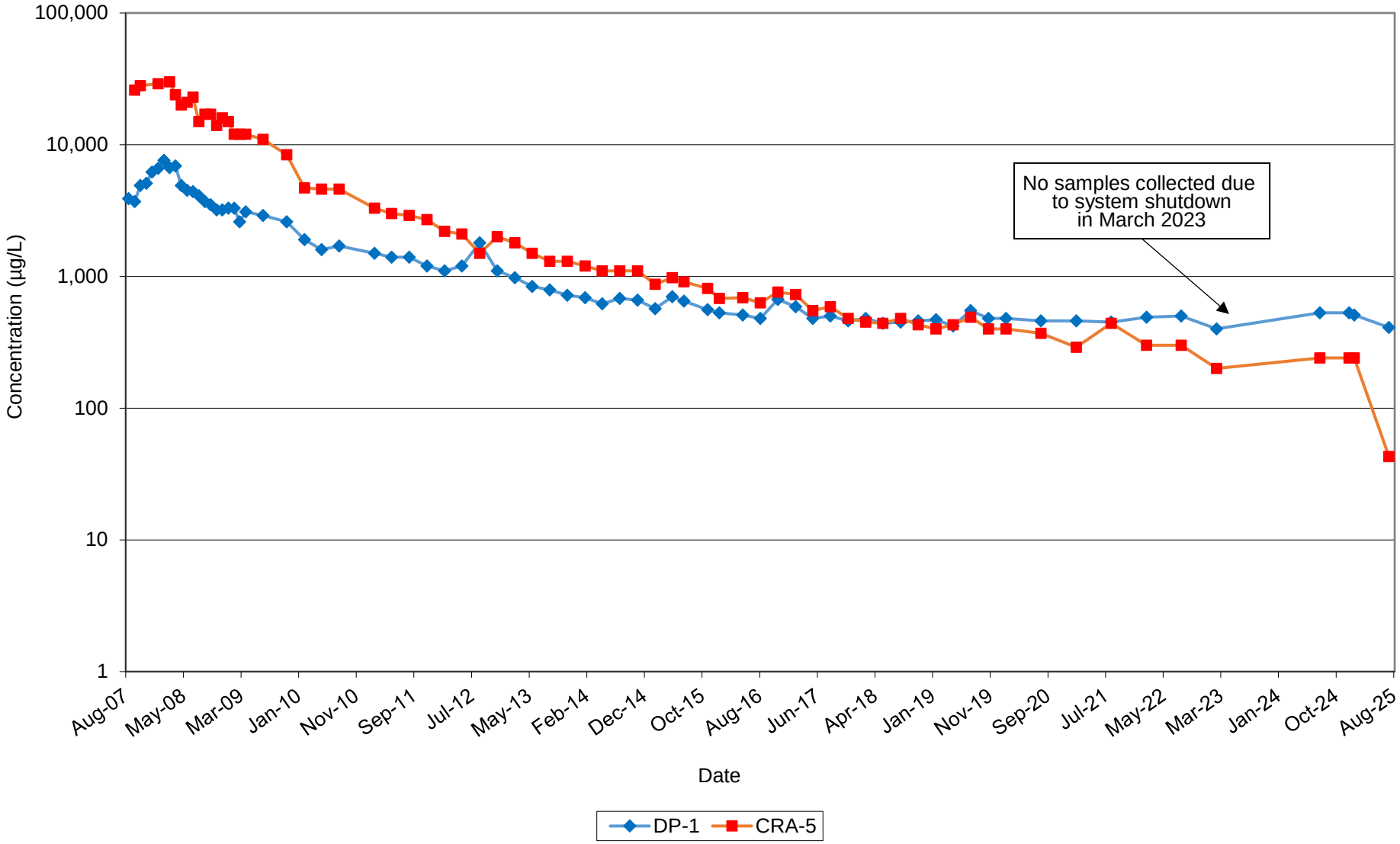
Monthly Extracted Groundwater Volume
TIAA Superfund Site - Airport Property
Tucson, Arizona



Monthly Process Volumes for SGZ System
TIAA Superfund Site - Airport Property
Tucson, Arizona

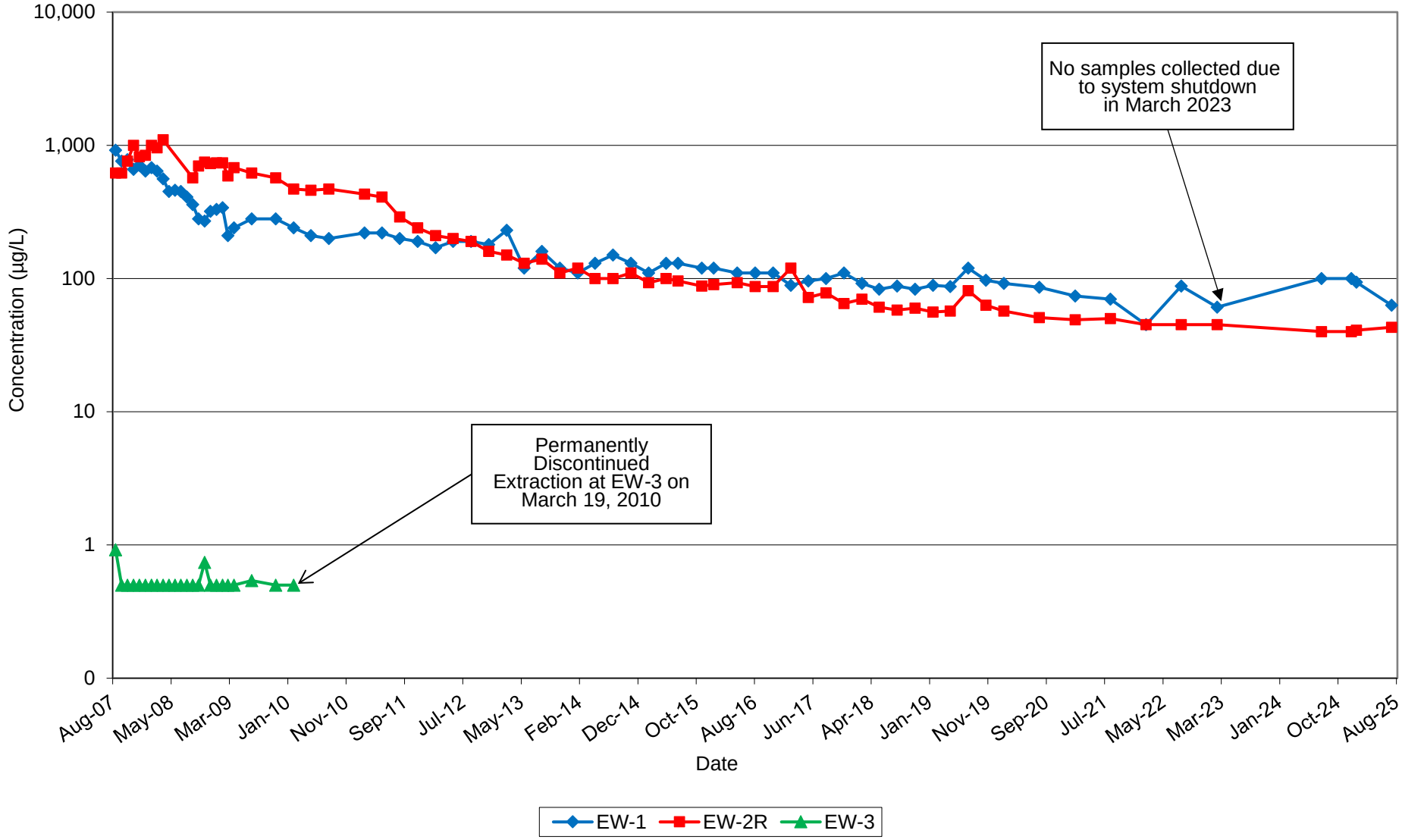


Extraction Well TCE Data
TIAA Superfund Site - Airport Property
Tucson, Arizona
TI Zone



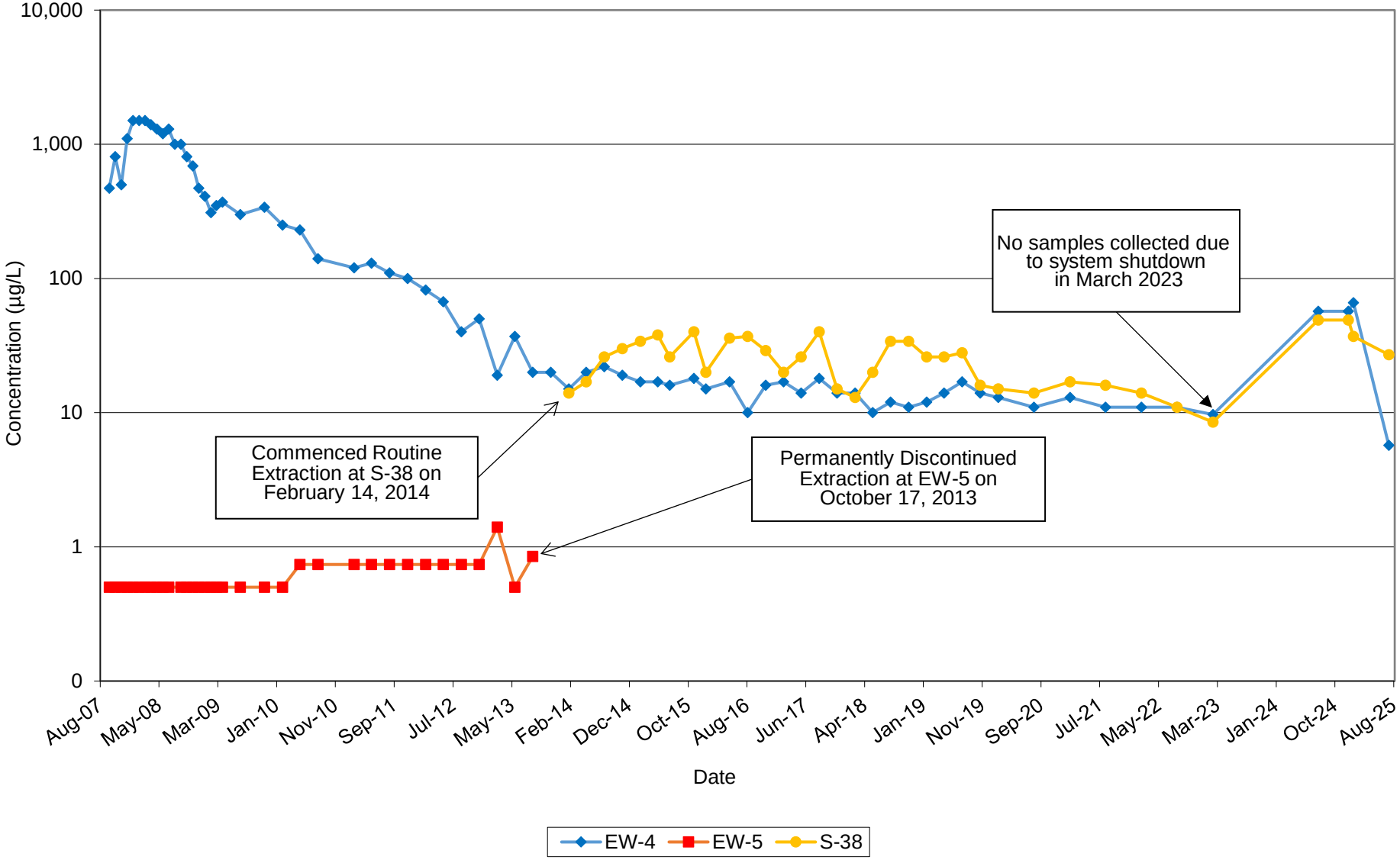
µg/L - micrograms per liter

Extraction Well TCE Data
TIAA Superfund Site - Airport Property
Tucson, Arizona
On-Airport Property



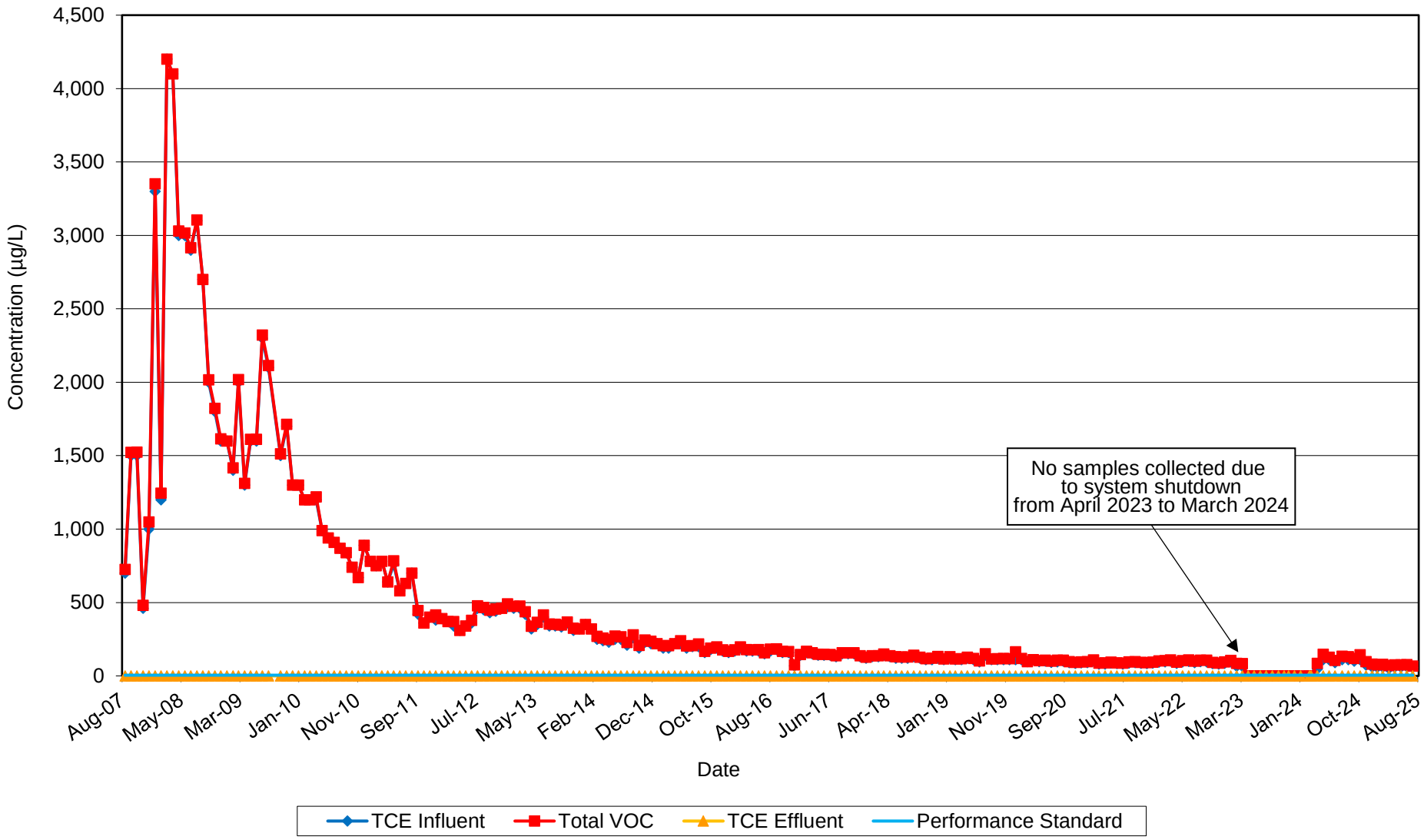
µg/L - micrograms per liter

Extraction Well TCE Data
TIAA Superfund Site - Airport Property
Tucson, Arizona
Off-Airport Property



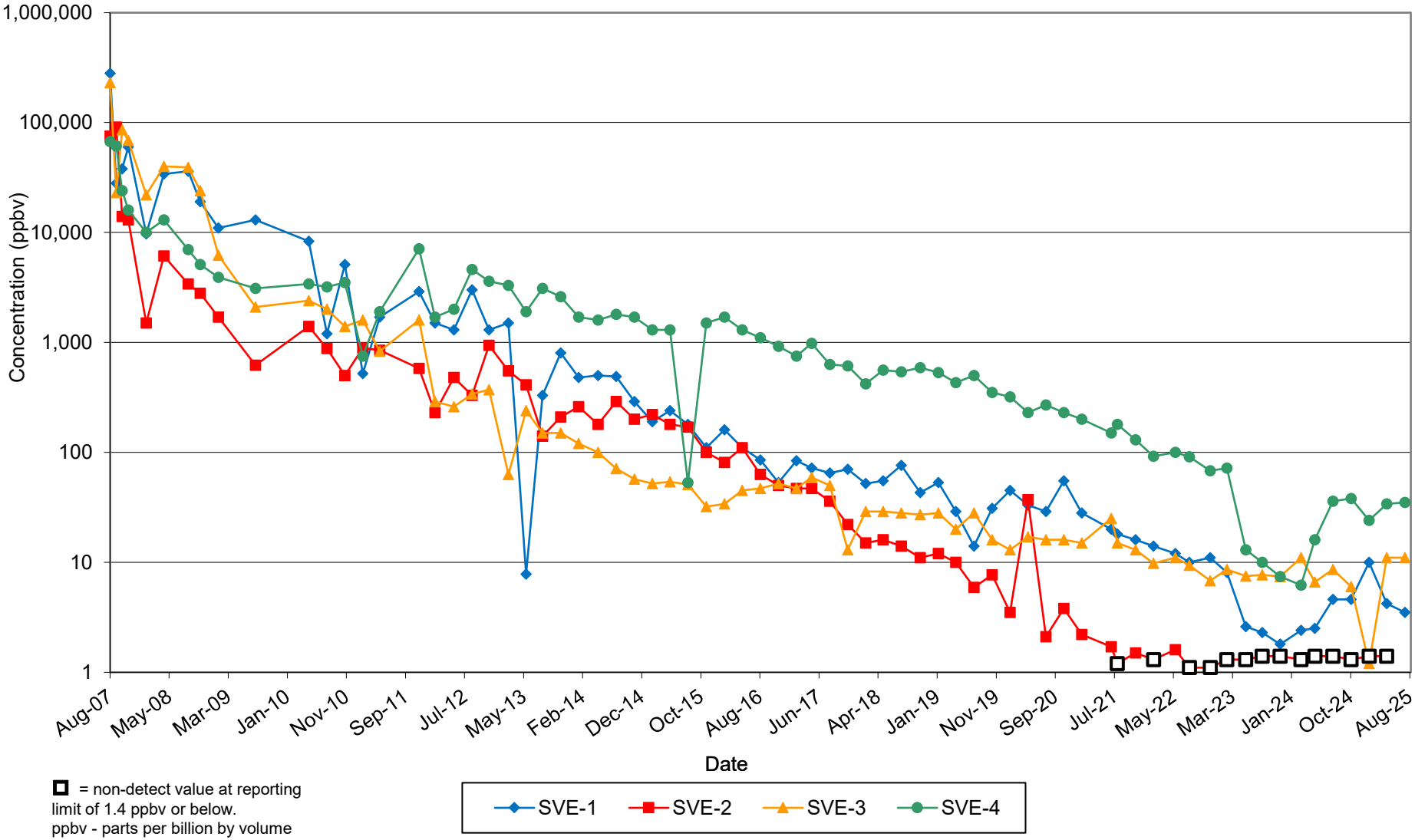
µg/L - micrograms per liter

Air Stripper Process Water Data
TIAA Superfund Site - Airport Property
Tucson, Arizona



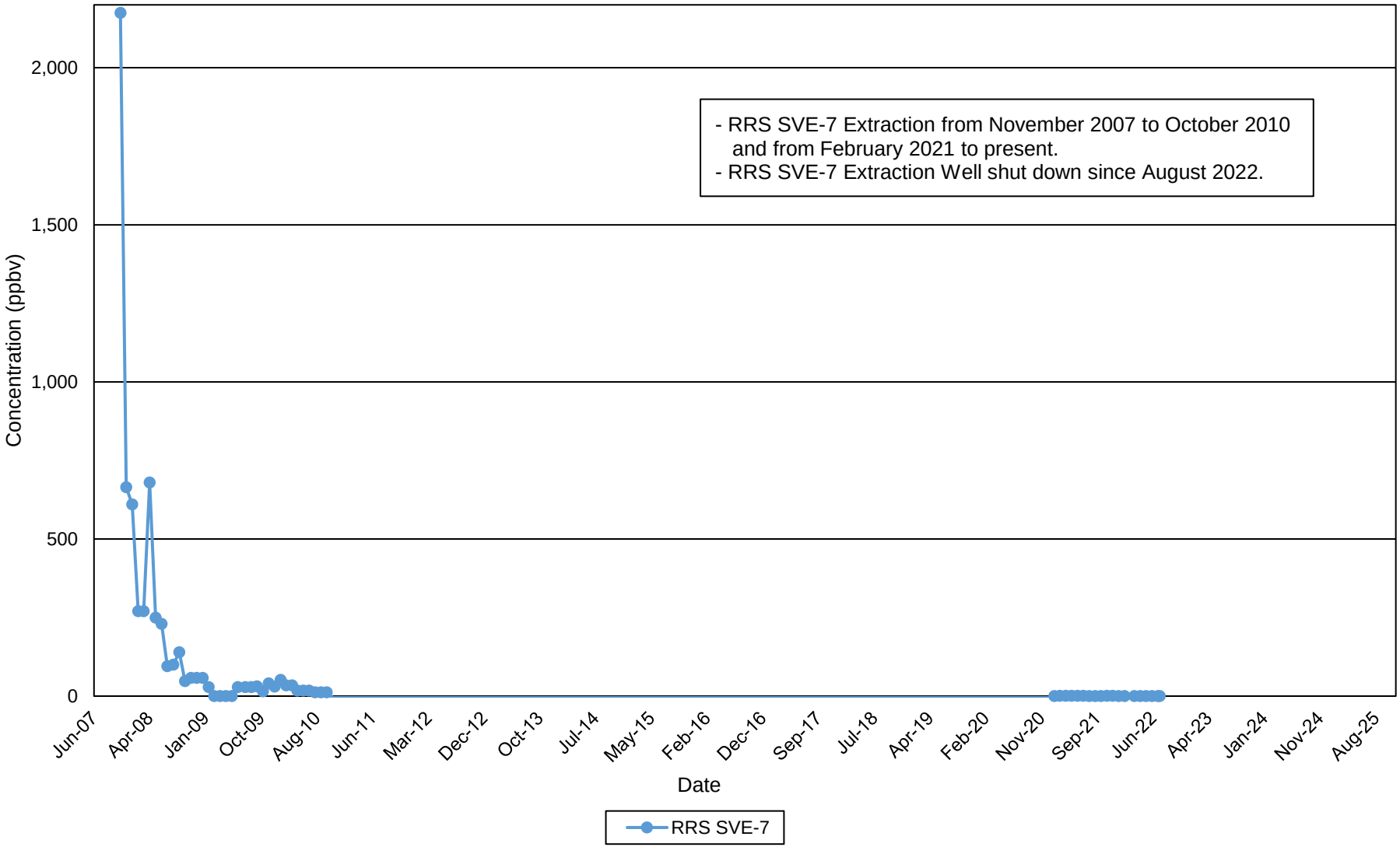
µg/L - micrograms per liter

TI Zone SVE Extraction Well TCE Data
TIAA Superfund Site - Airport Property
Tucson, Arizona



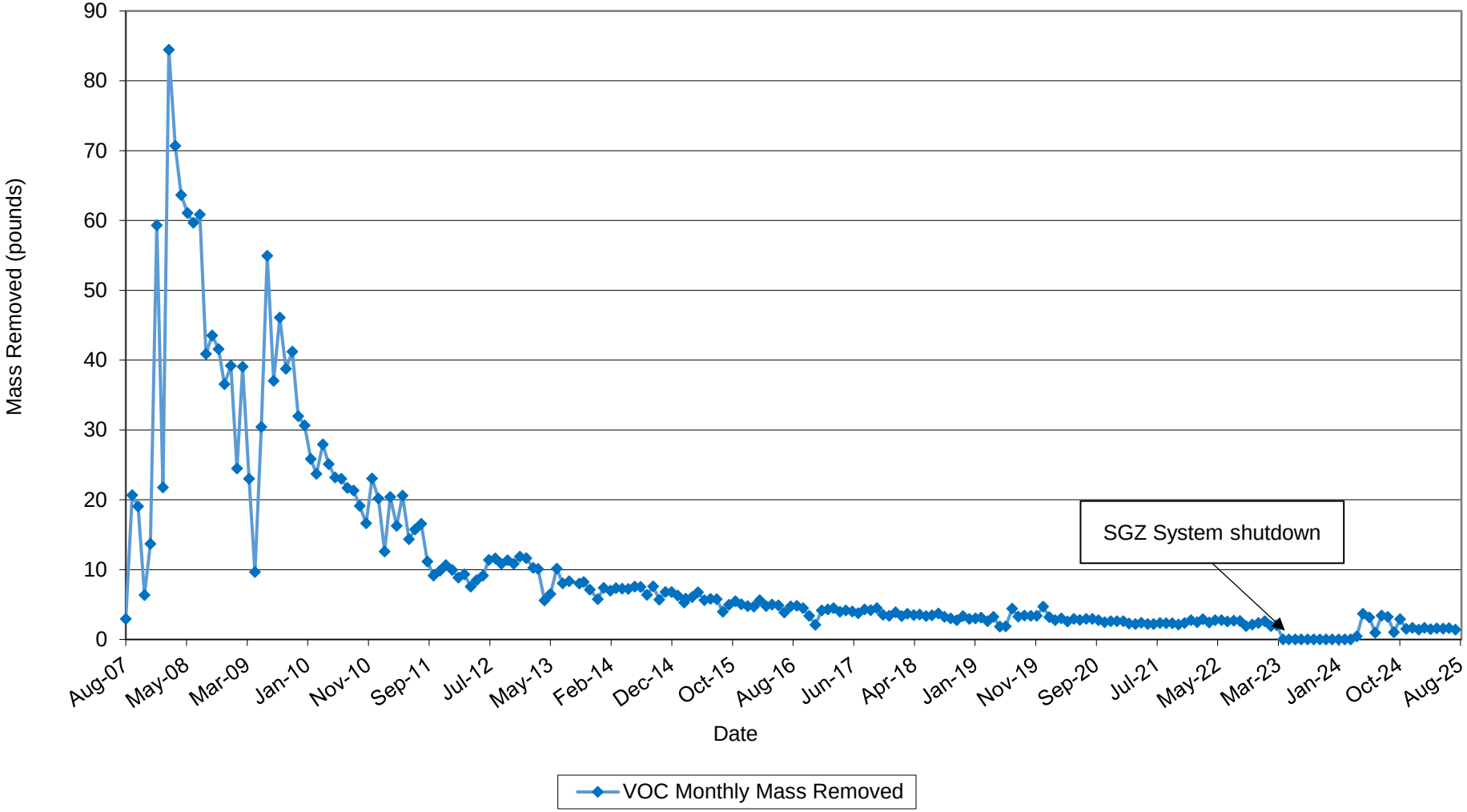
□ = non-detect value at reporting limit of 1.4 ppbv or below.
ppbv - parts per billion by volume

RRS SVE-7 Extraction Well
TCE Data
TIAA Superfund Site - Airport Property
Tucson, Arizona

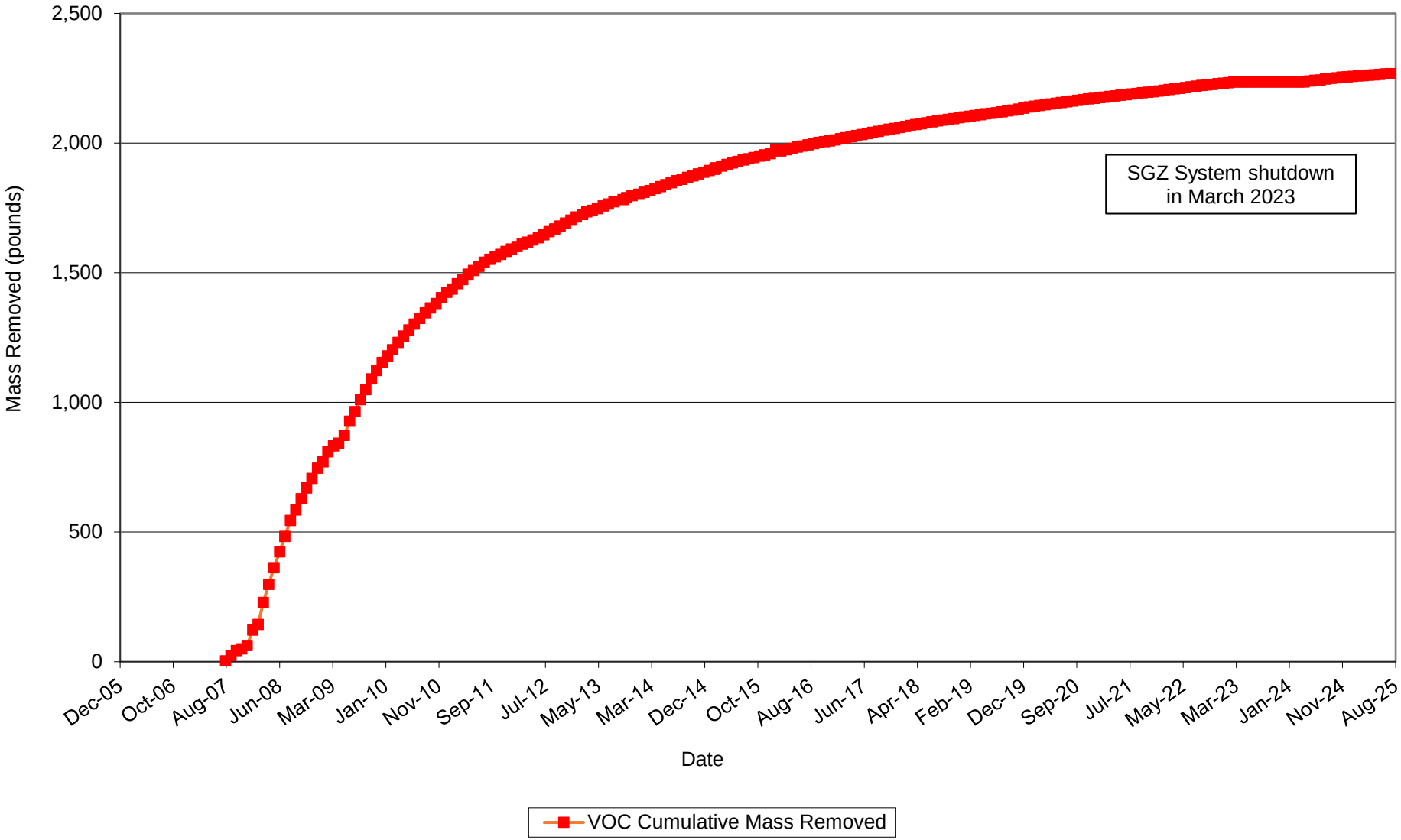


ppbv - parts per billion by volume
Used 1/4 of the non-detect limit for plotting

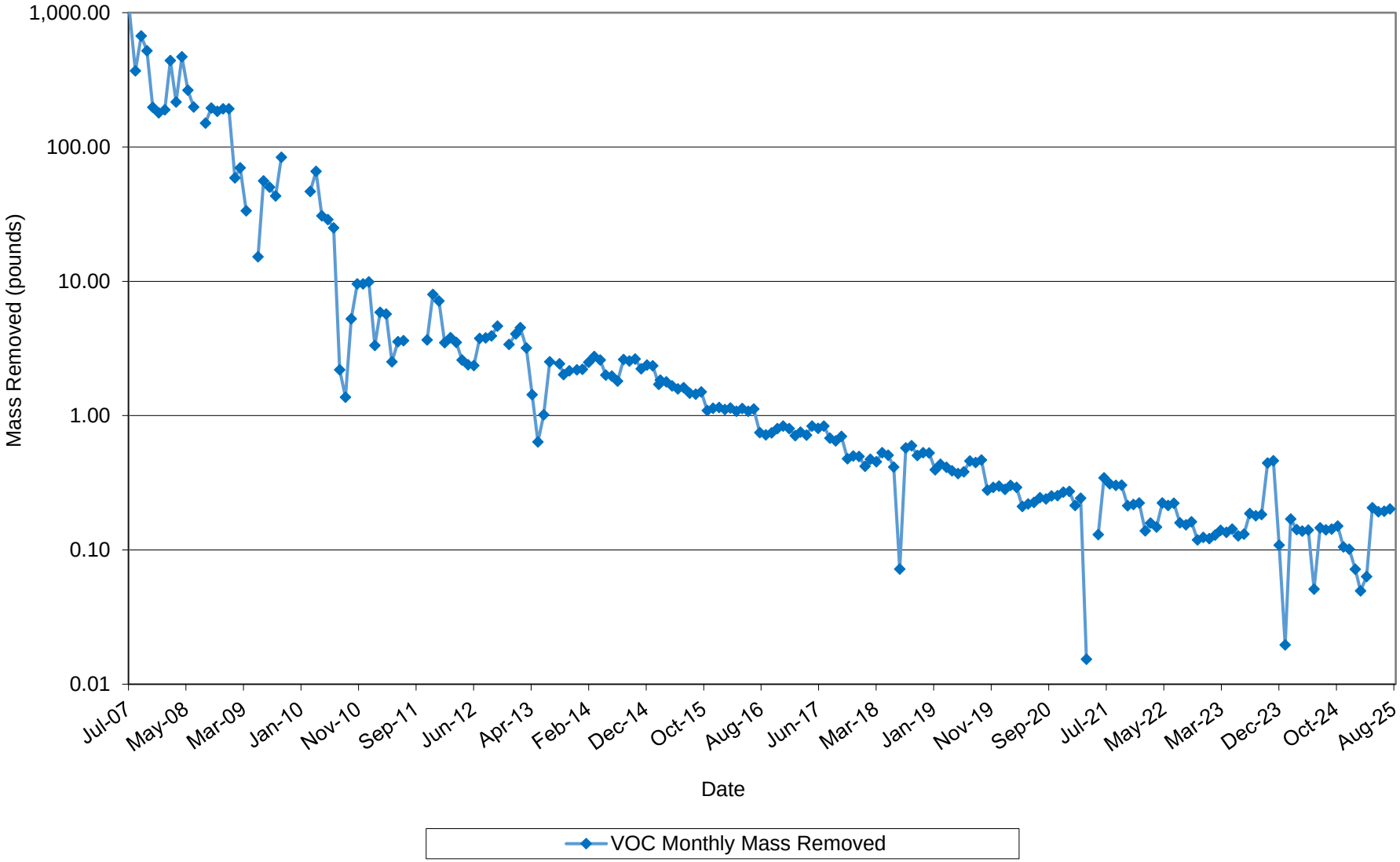
VOC Monthly Mass Removal from Groundwater
SGZ System
TIAA Superfund Site - Airport Property
Tucson, Arizona



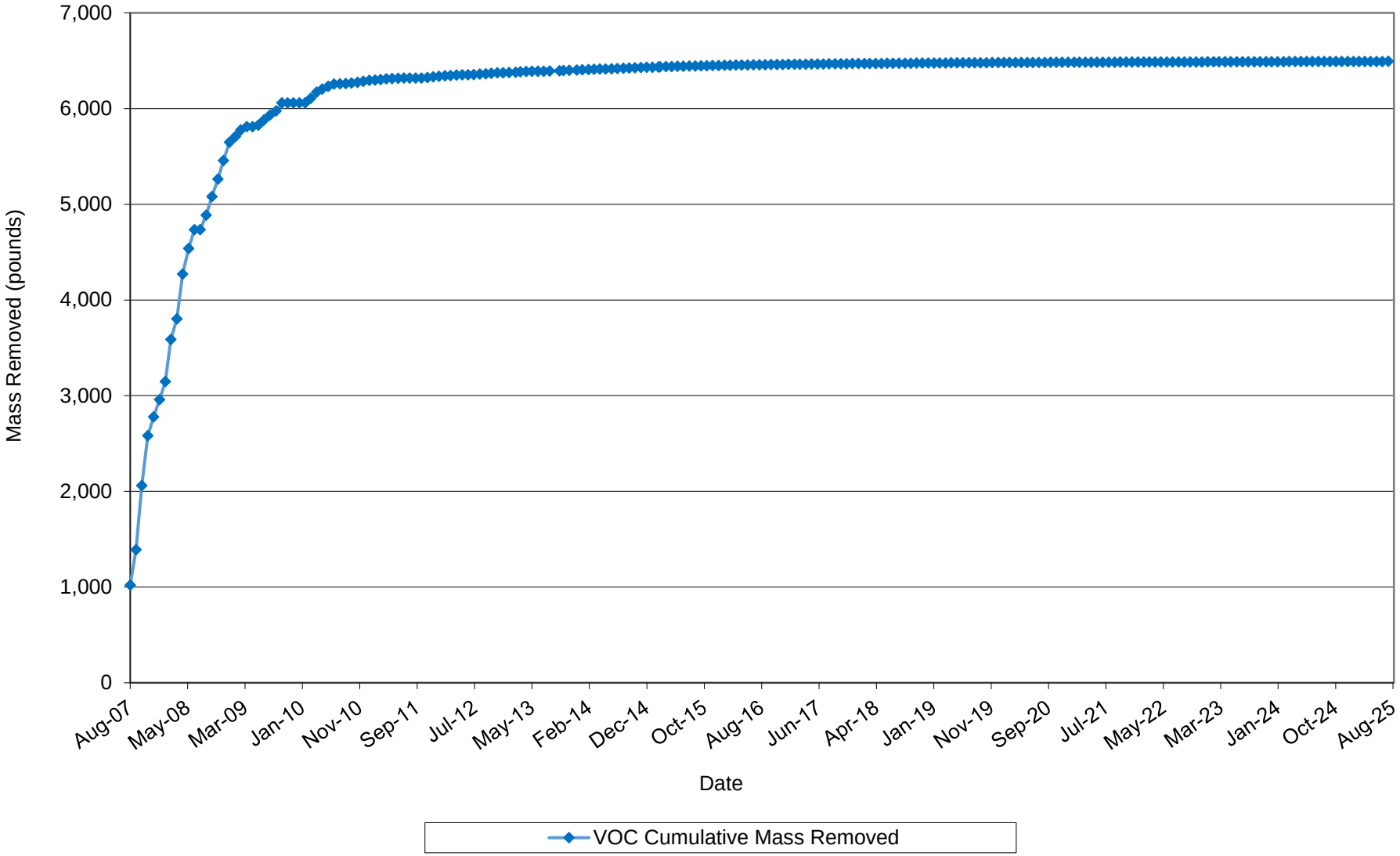
VOC Cumulative Mass Removal from Groundwater
SGZ System
TIAA Superfund Site - Airport Property
Tucson, Arizona



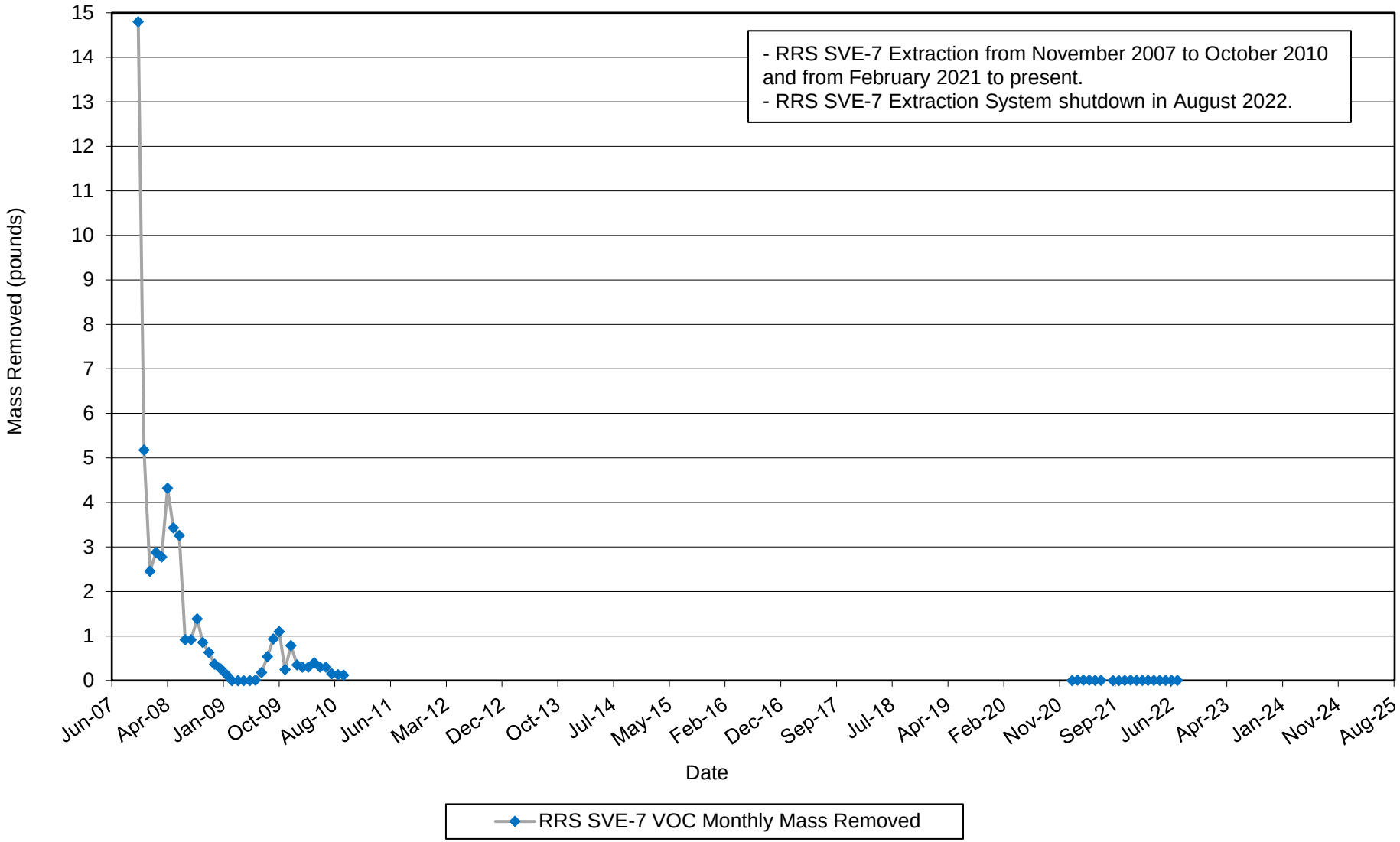
VOC Mass Removal from Soil in TI Zone
TI Zone SVE System
TIAA Superfund Site - Airport Property
Tucson, Arizona



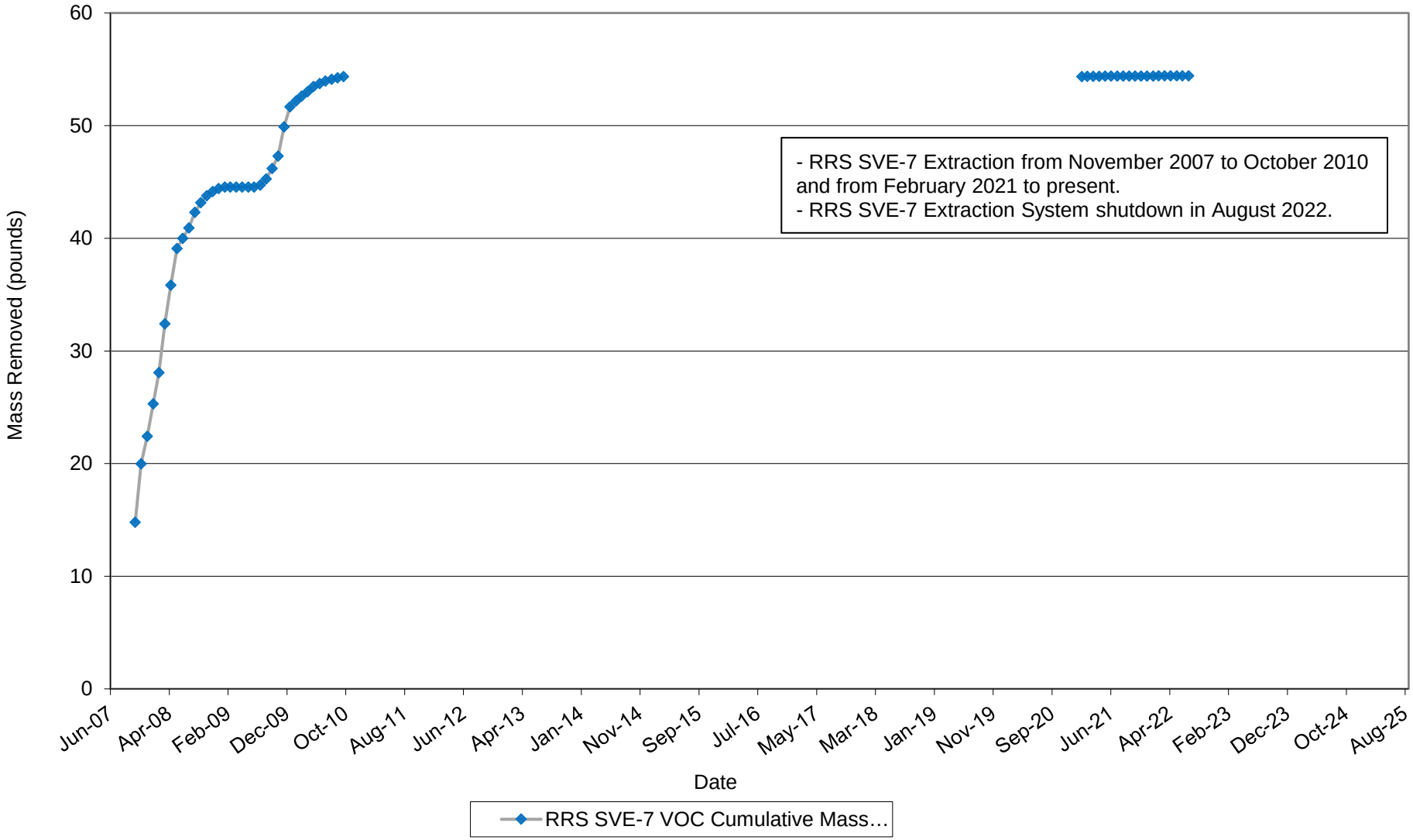
VOC Cumulative Mass Removal from Soil in TI Zone
TI Zone SVE System
TIAA Superfund Site - Airport Property
Tucson, Arizona



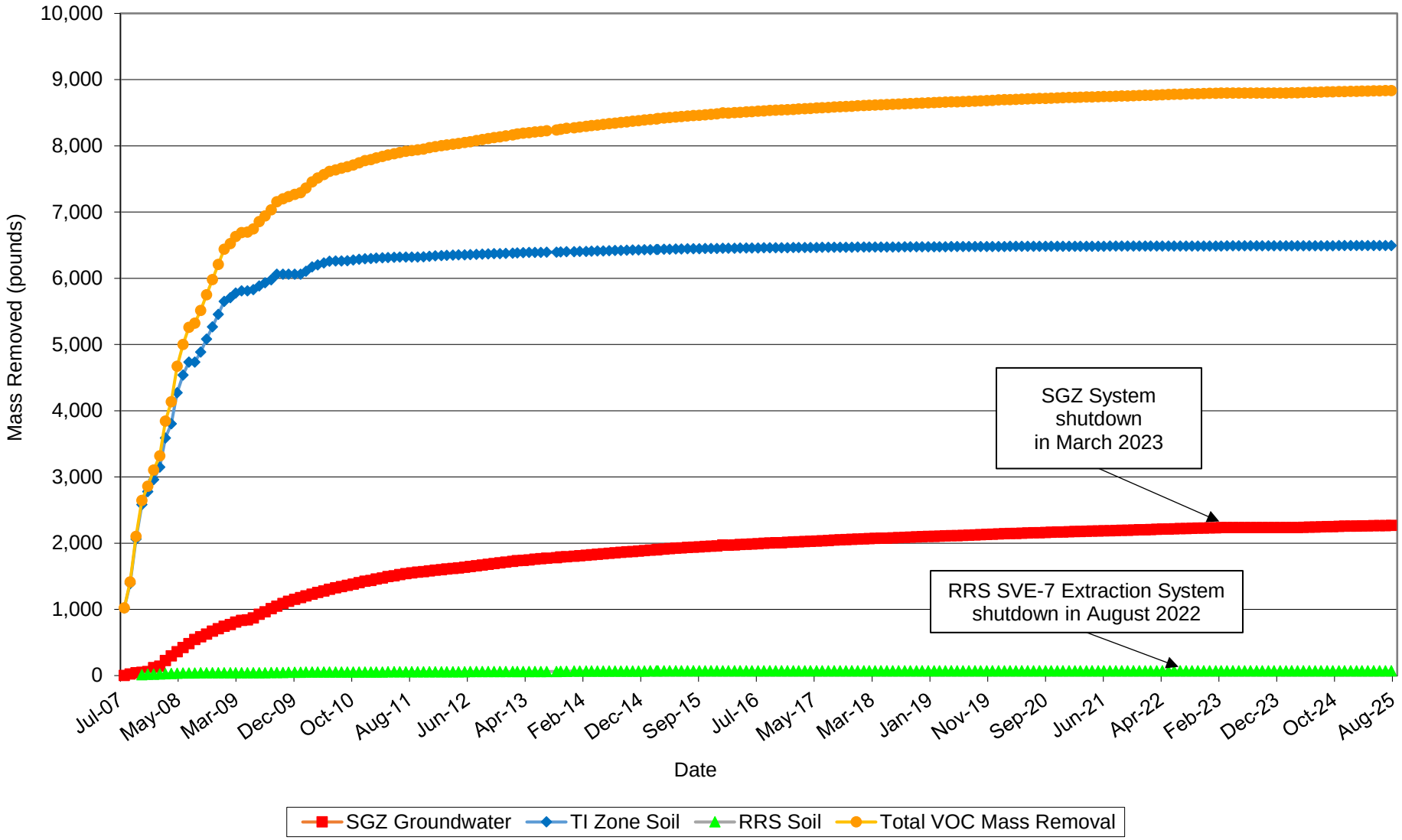
VOC Monthly Mass Removal from Soil in RRS SVE-7 Area
RRS SVE System
TIAA Superfund Site - Airport Property
Tucson, Arizona



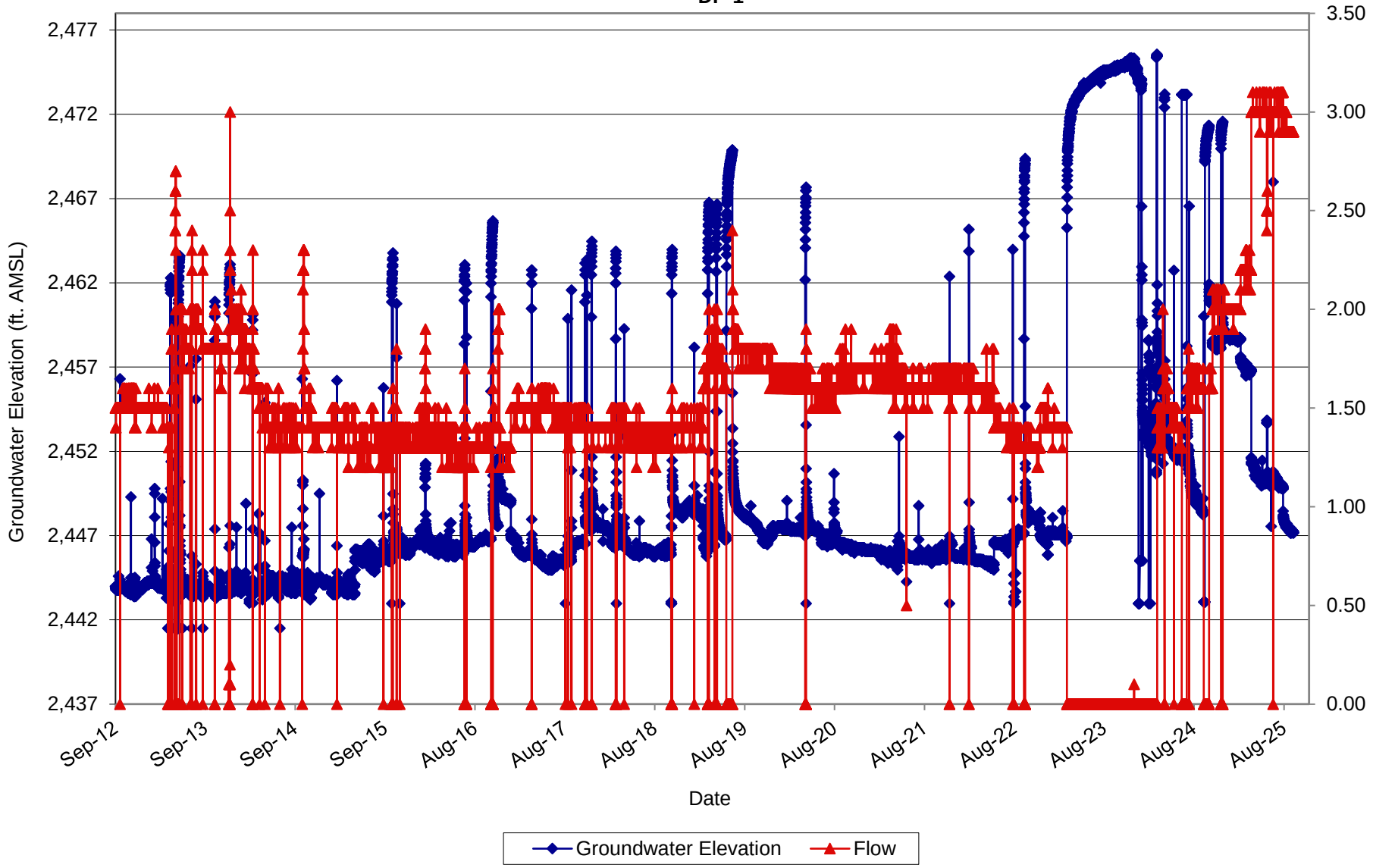
VOC Cumulative Mass Removal from Soil in RRS SVE-7 Area
RRS SVE System
TIAA Superfund Site - Airport Property
Tucson, Arizona



VOC Cumulative Mass Removal
SGZ and SVE Systems
TIAA Superfund Site - Airport Property
Tucson, Arizona

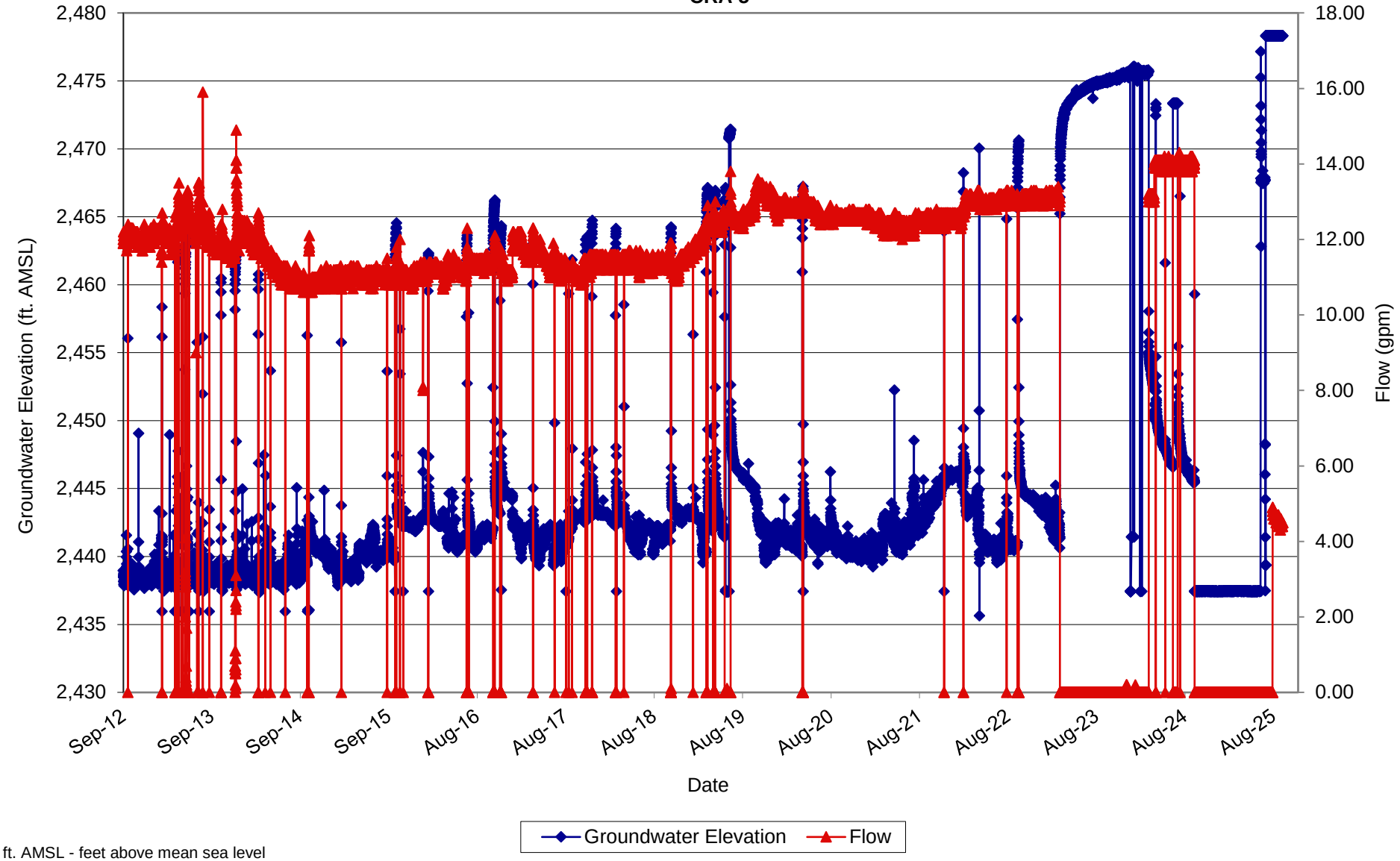


Extraction Well Flow
Groundwater Elevation
TIAA Superfund Site - Airport Property
Tucson, Arizona
DP-1



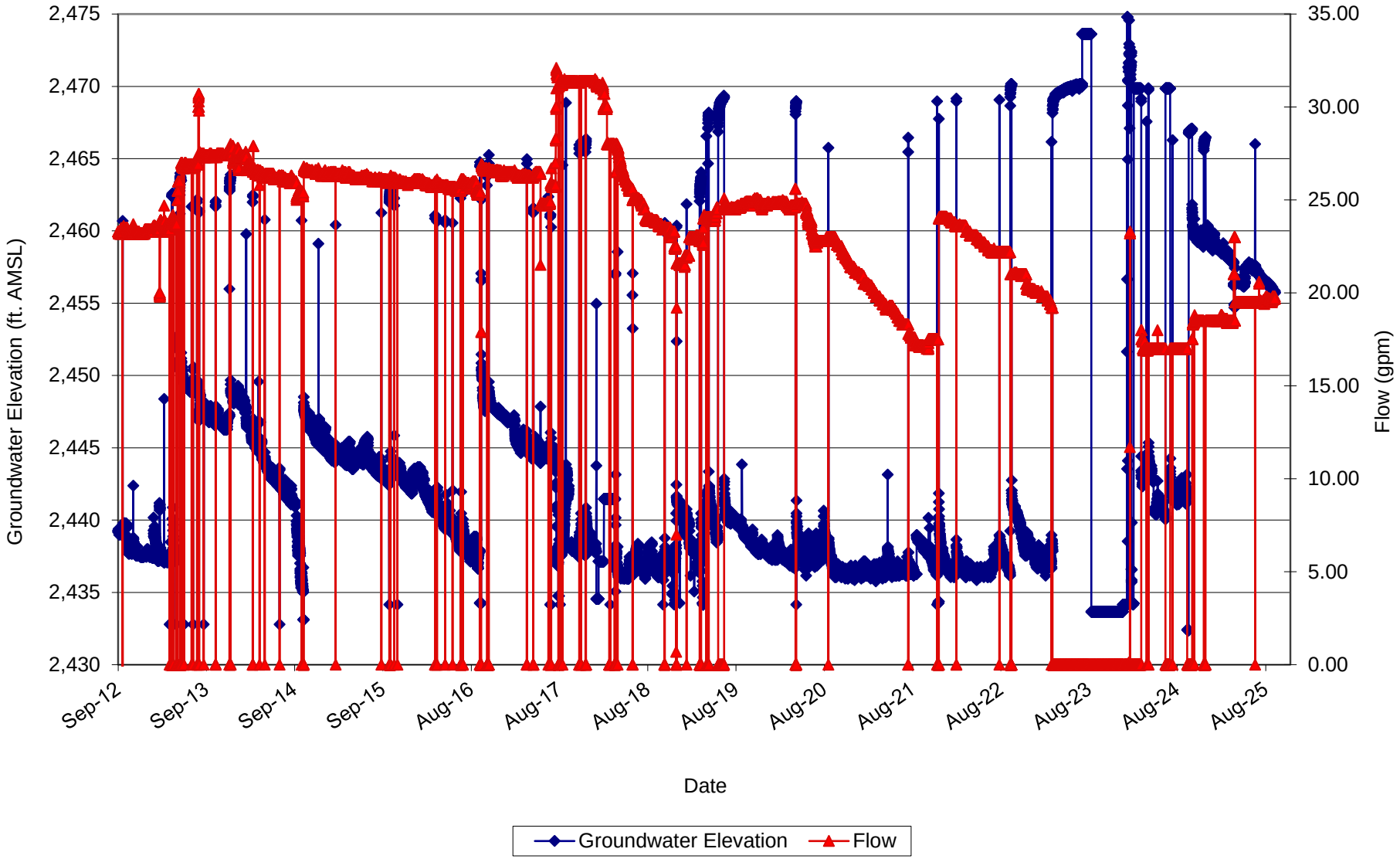
ft. AMSL - feet above mean sea level
gpm - gallons per minute
Updated reference elevations used for groundwater elevations beginning May 2015

Extraction Well Flow
Groundwater Elevation
TIAA Superfund Site - Airport Property
Tucson, Arizona
CRA-5



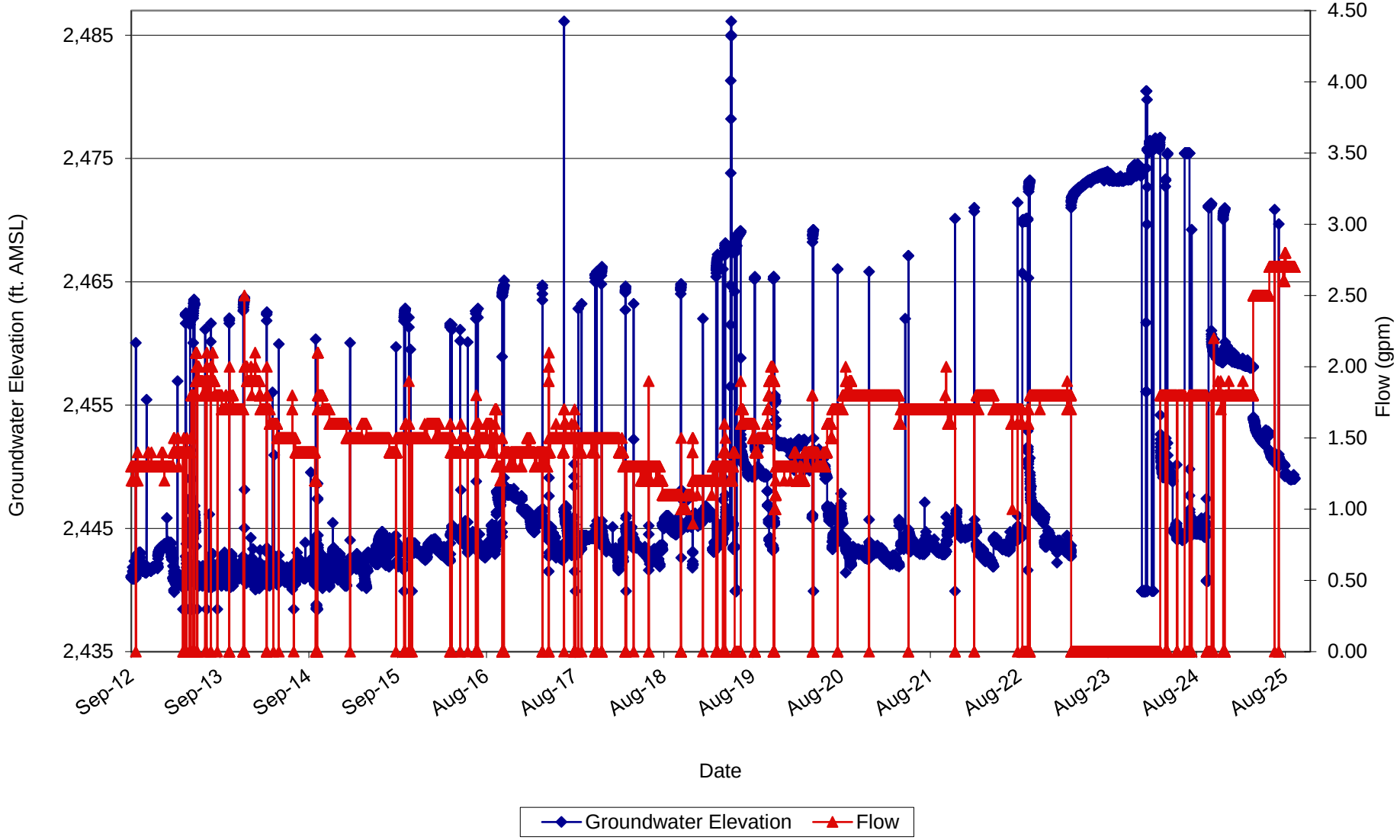
ft. AMSL - feet above mean sea level
gpm - gallons per minute
Updated reference elevations used for groundwater elevations beginning May 2015
CRA-5 lodged in well casing from 10/7/2024 - present.

Extraction Well Flow
Groundwater Elevation
TIAA Superfund Site - Airport Property
Tucson, Arizona
EW-1



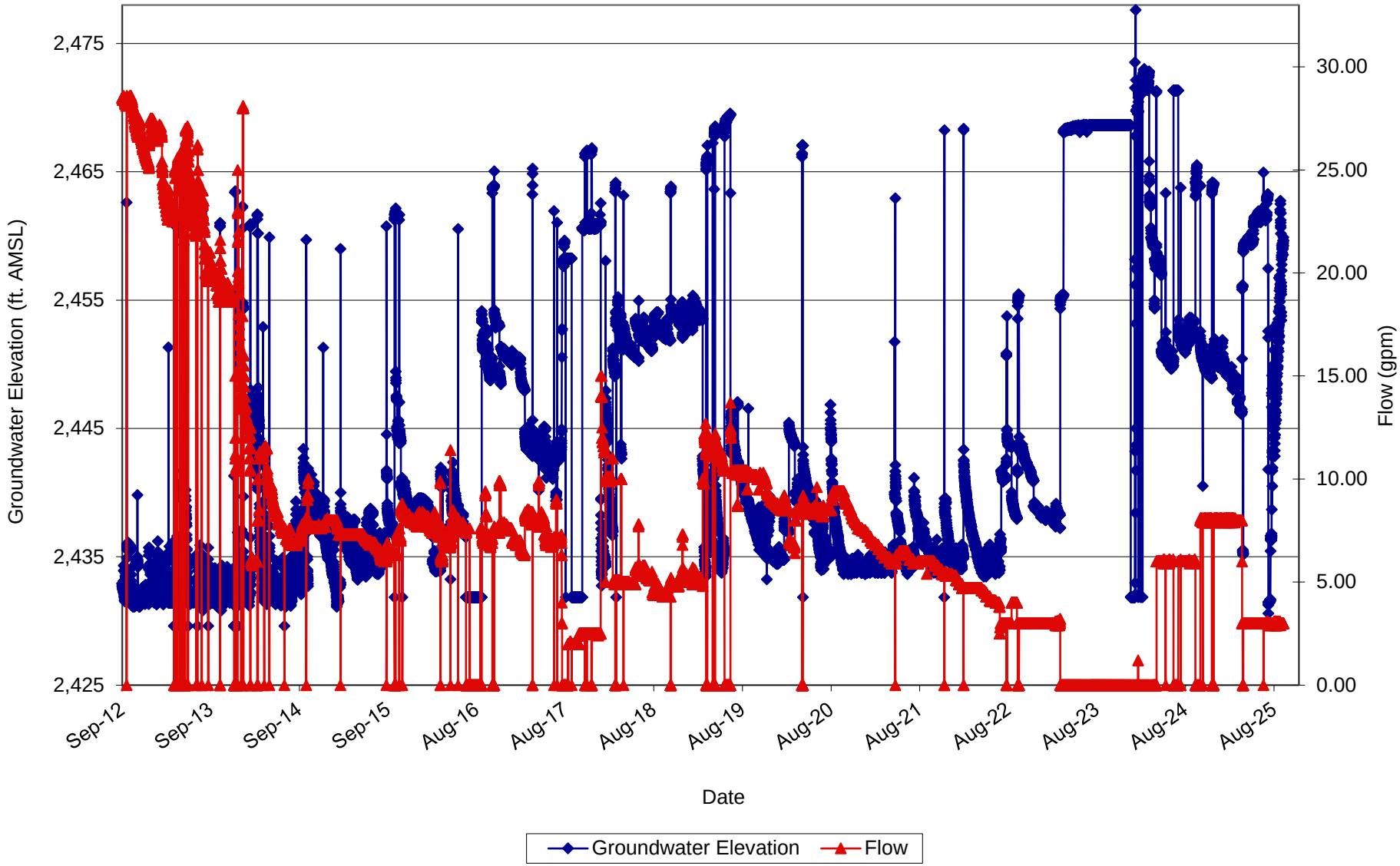
ft. AMSL - feet above mean sea level
gpm - gallons per minute
Updated reference elevations used for groundwater elevations beginning May 2015

Extraction Well Flow
Groundwater Elevation
TIAA Superfund Site - Airport Property
Tucson, Arizona
EW-2R



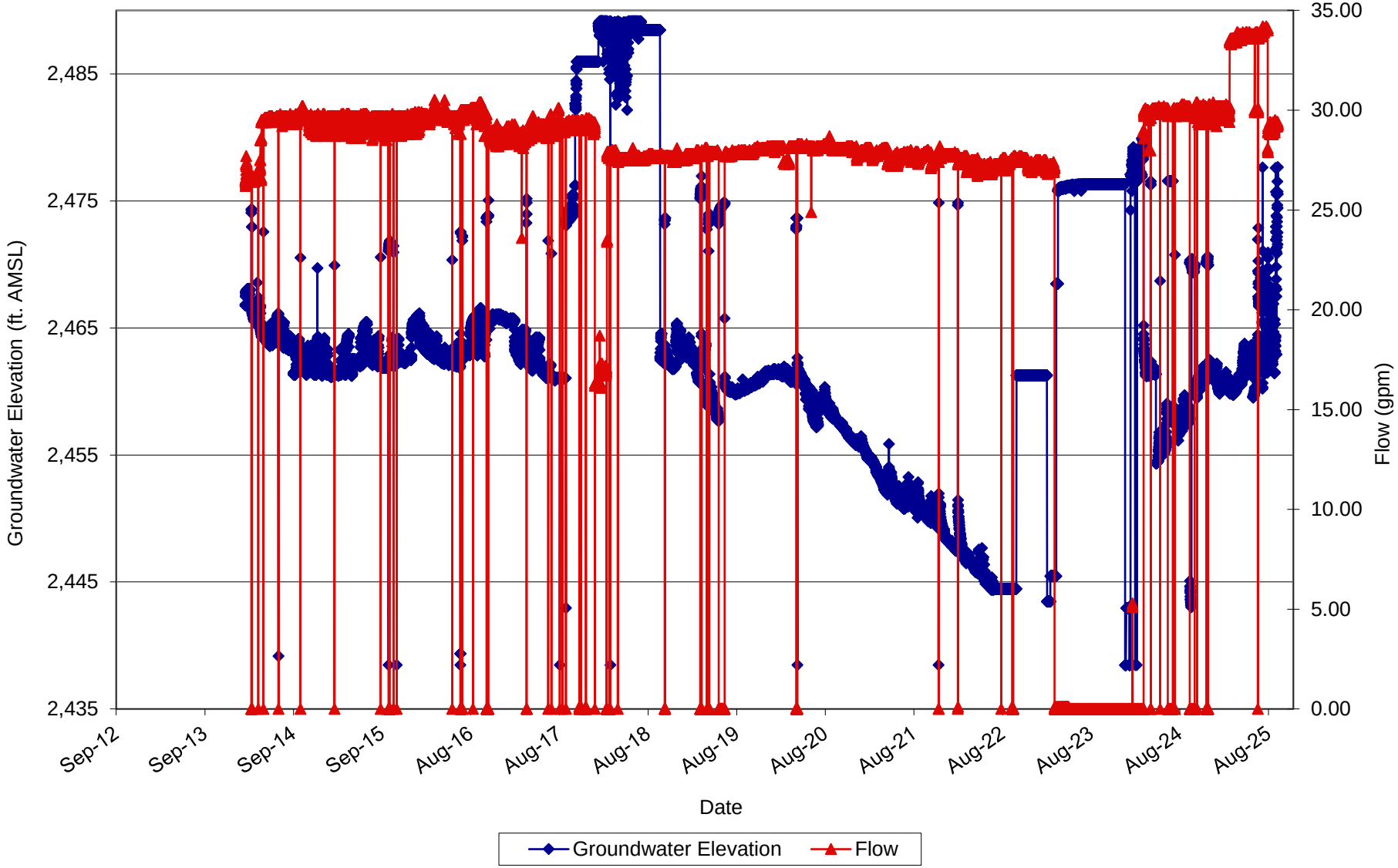
ft. AMSL - feet above mean sea level
gpm - gallons per minute
Updated reference elevations used for groundwater elevations beginning May 2015

Extraction Well Flow
Groundwater Elevation
TIAA Superfund Site - Airport Property
Tucson, Arizona
EW-4



ft. AMSL - feet above mean sea level
gpm - gallons per minute
Updated reference elevations used for groundwater elevations beginning May 2015

Extraction Well Flow
Groundwater Elevation
TIAA Superfund Site - Airport Property
Tucson, Arizona
S-38



ft. AMSL - feet above mean sea level
gpm - gallons per minute
Updated reference elevations used for groundwater elevations beginning May 2015

Table B.7

Summary of Extraction Well Flow Rate Changes

SGZ Groundwater Extraction System - March 1, 2025 through August 31, 2025

TIAA Superfund Site - Airport Property

Tucson, Arizona

Date of	Extraction Well												Setpoint	Flow	
	EW-1		EW-2R		EW-4		S-38		DP-1		CRA-5				
Flow Change	Setpoint	Flow	Setpoint	Flow	Setpoint	Flow	Setpoint	Flow	Setpoint	Flow	Setpoint	Flow	Total	Total	Comment
03/05/25	19.0	18.7	1.8	1.8	8.0	8.0	30.0	30.0	2.2	2.2	0.0	0.0	**61.0**	**60.7**	DP-1 flow increased.
03/31/25	19.0	18.7	1.8	1.8	8.0	8.0	30.0	33.0	2.2	2.2	0.0	0.0	**61.0**	**63.7**	S-38 turned up manually from 83% to 100% to increase SGZ flow.
04/18/25	23.0	23.0	2.5	2.5	3.0	3.0	30.0	33.0	3.0	3.0	0.0	0.0	**61.5**	**64.5**	Mod flows
04/23/25	18.5	18.5	2.5	2.5	3.0	3.0	30.0	33.0	3.0	3.0	0.0	0.0	**57.0**	**60.0**	Mod flow EW-1
04/24/25	19.5	19.5	2.5	2.5	3.0	3.0	30.0	33.0	3.0	3.0	0.0	0.0	**58.0**	**61.0**	Mod flow EW-1
06/01/25	19.5	19.5	2.5	2.5	3.0	3.0	30.0	33.0	3.0	3.0	0.0	0.0	**58.0**	**61.0**	Power blip
06/12/25	19.5	19.5	2.5	2.5	3.0	3.0	30.0	33.0	3.0	3.0	0.0	0.0	**58.0**	**61.0**	Power blip
06/20/25	19.5	19.5	2.5	2.5	3.0	3.0	30.0	33.0	3.0	3.0	0.0	0.0	**58.0**	**61.0**	Power blip
06/23/25	19.5	19.5	2.7	2.7	3.0	3.0	30.0	33.0	3.0	3.0	0.0	0.0	**58.2**	**61.2**	Increased flow EW-2R
07/02/25	19.5	19.5	2.7	2.7	3.0	3.0	30.0	30.0	3.0	3.0	0.0	0.0	**58.2**	**58.2**	
07/03/25	19.5	19.5	2.7	2.7	3.0	3.0	30.0	33.0	3.0	3.0	0.0	0.0	**58.2**	**61.2**	Put S-38 back to manual control
07/15/25	19.5	19.5	2.7	2.7	3.0	3.0			3.0	3.0	0.0	0.0	**28.2**	**28.2**	Power blip
07/18/25	19.5	19.5	2.7	2.7	3.0	3.0	30.0	33.0	3.0	3.0	0.0	0.0	**58.2**	**61.2**	Power blip
07/21/25	19.5	19.5	2.7	2.7	3.0	3.0	30.0	33.0	3.0	3.0	0.0	0.0	**58.2**	**61.2**	Power blip
07/29/25	19.5	19.5	2.7	2.7	3.0	3.0	30.0	33.0	3.0	3.0	0.0	0.0	**58.2**	**61.2**	Power blip
08/01/25	19.5	19.5	2.7	2.7	3.0	3.0	30.0	33.0	3.0	3.0	0.0	0.0	**58.2**	**61.2**	EW-2R down for 1 day
08/02/25	19.5	19.5	2.7	2.7	3.0	3.0	30.0	33.0	3.0	3.0	0.0	0.0	**58.2**	**61.2**	Unknown spike on EW-1
08/03/25	19.5	19.5	2.7	2.7	3.0	3.0	30.0	33.0	3.0	3.0	0.0	0.0	**58.2**	**61.2**	EW-4 level probe failed
08/25/25	19.5	19.5	2.7	2.7	3.0	3.0	28.0	28.0	3.0	3.0	5.0	4.5	**61.2**	**60.7**	Reduced flow on S-38, CRA-5 online
08/26/25	19.5	19.5	2.7	2.7	3.0	3.0	29.0	29.0	3.0	3.0	5.0	4.5	**62.2**	**61.7**	Increased flow on S-38

TIAA - Tucson International Airport Area

SGZ - Shallow groundwater Zone

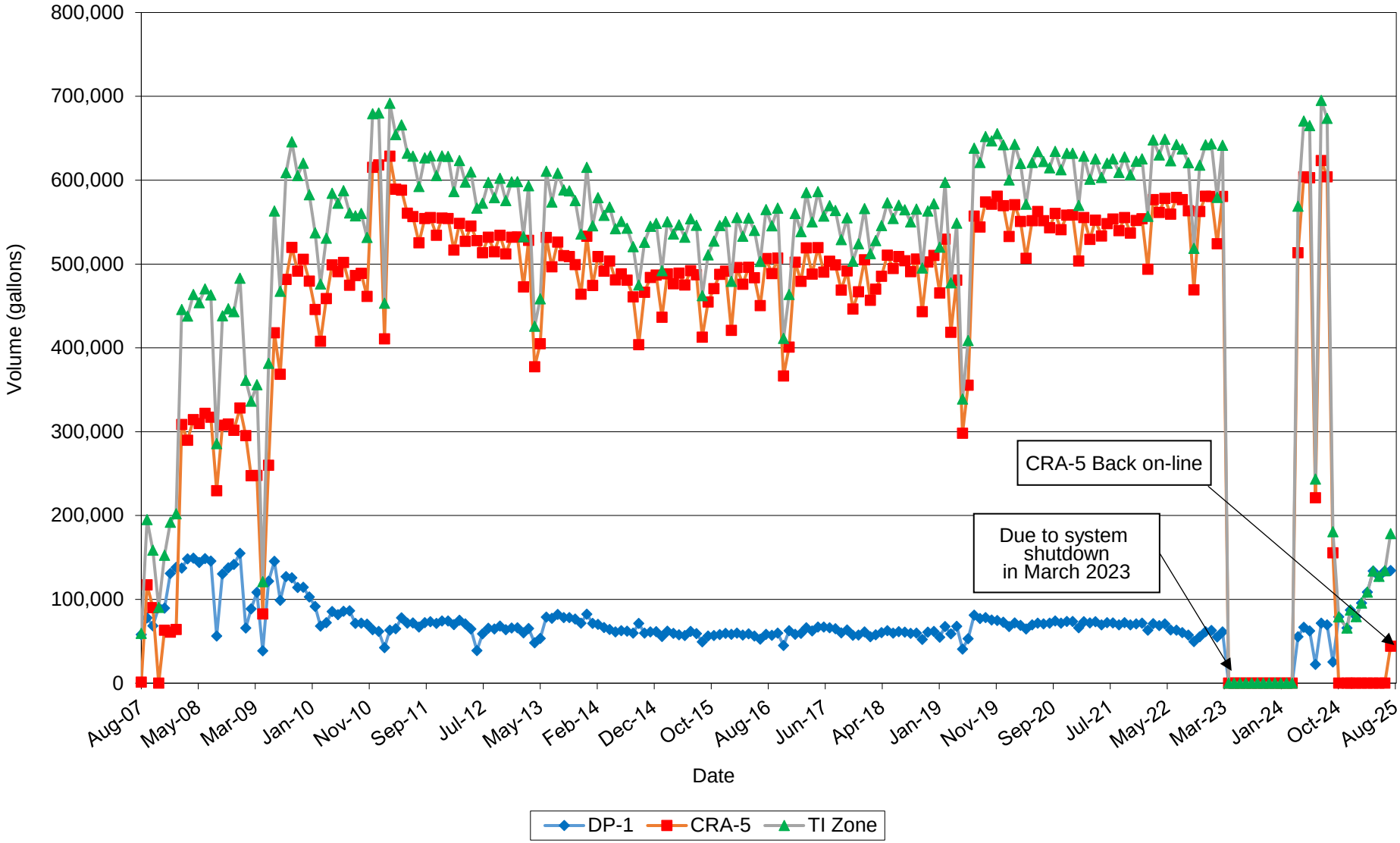
All values are in gallons per minute (GPM)

Indicates change in setpoint

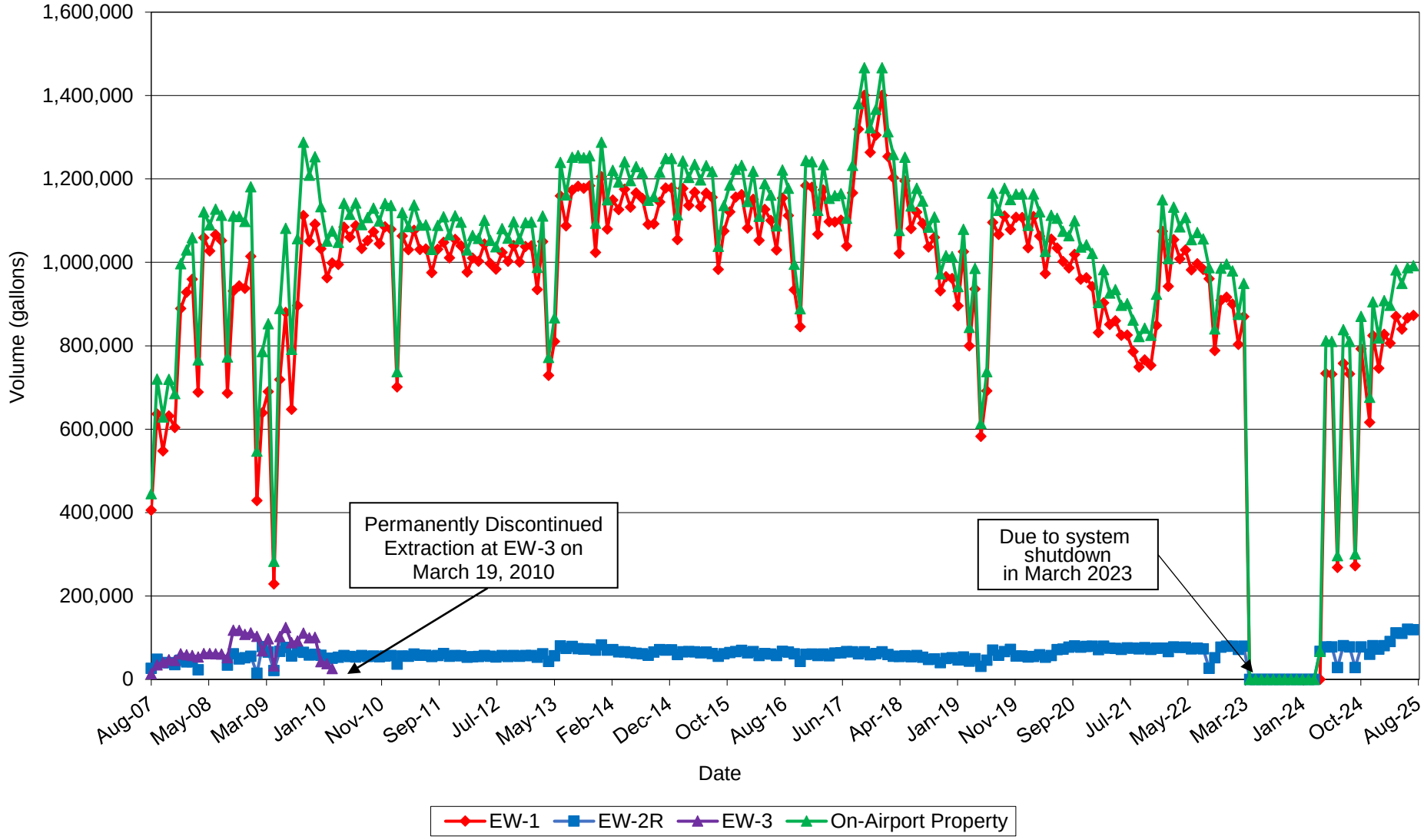
Indicates no flow

Indicates change in flow

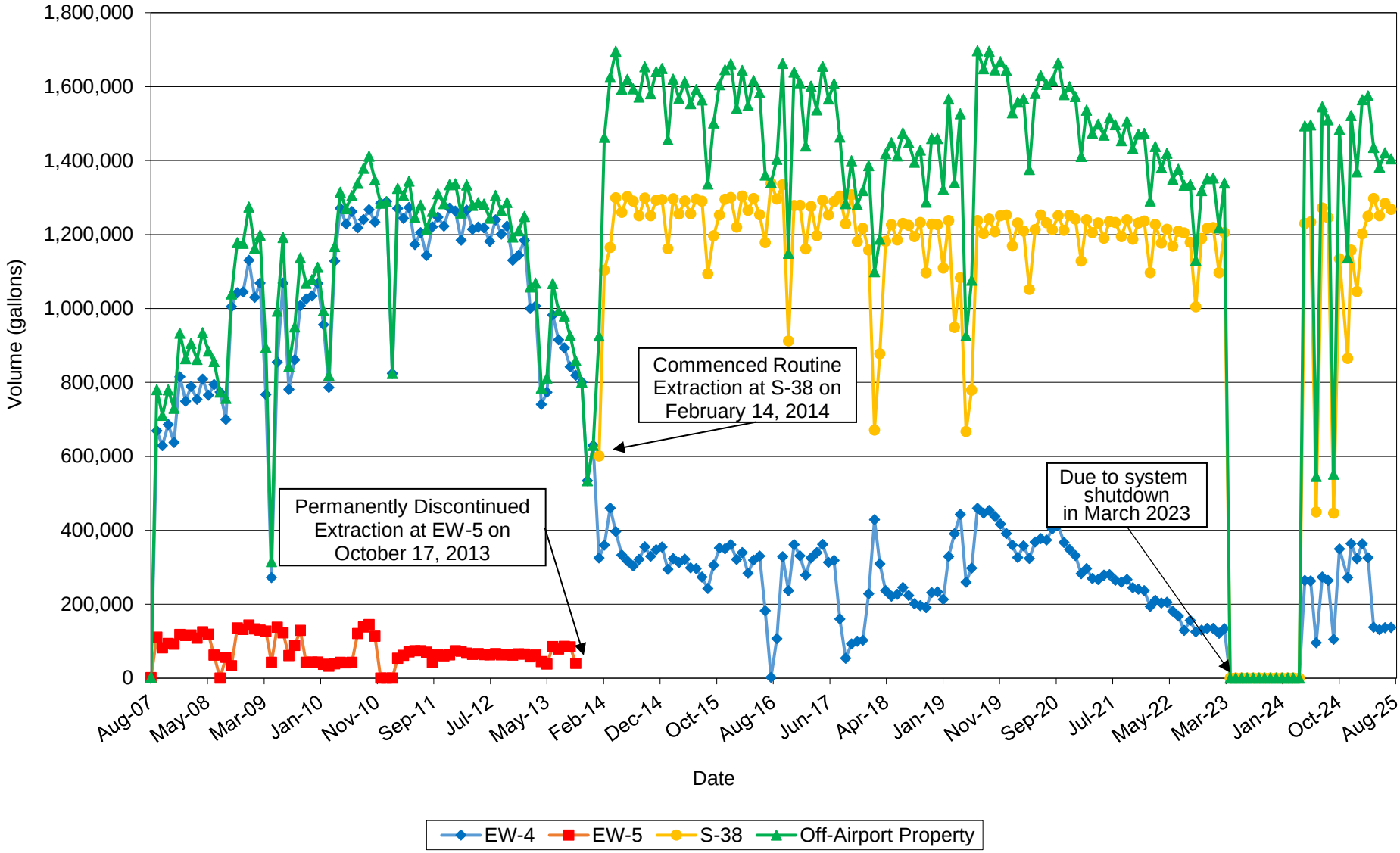
Monthly Extracted Groundwater Volume
TIAA Superfund Site - Airport Property
Tucson, Arizona
TI Zone



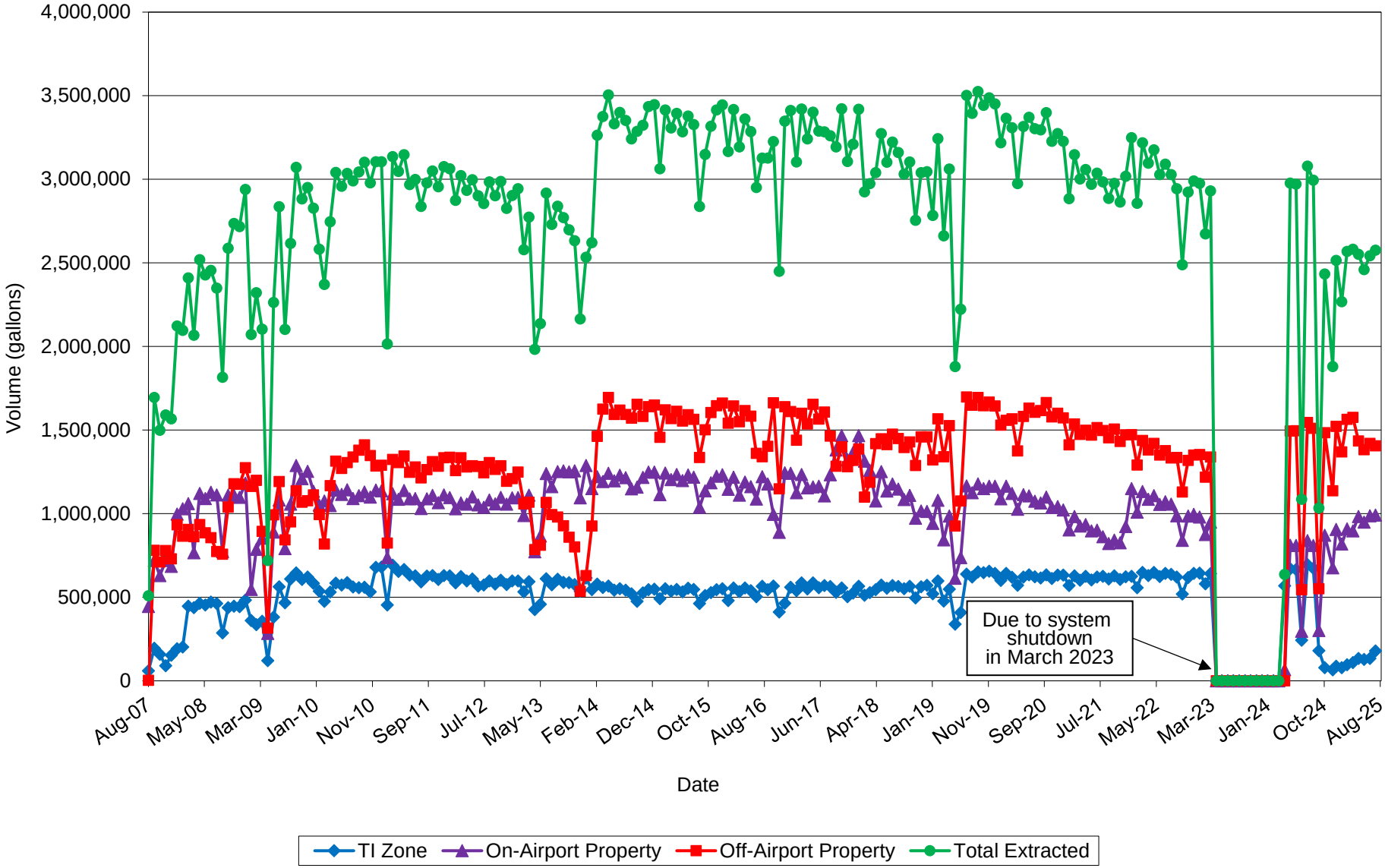
Monthly Extracted Groundwater Volume
TIAA Superfund Site - Airport Property
Tucson, Arizona
On-Airport Property



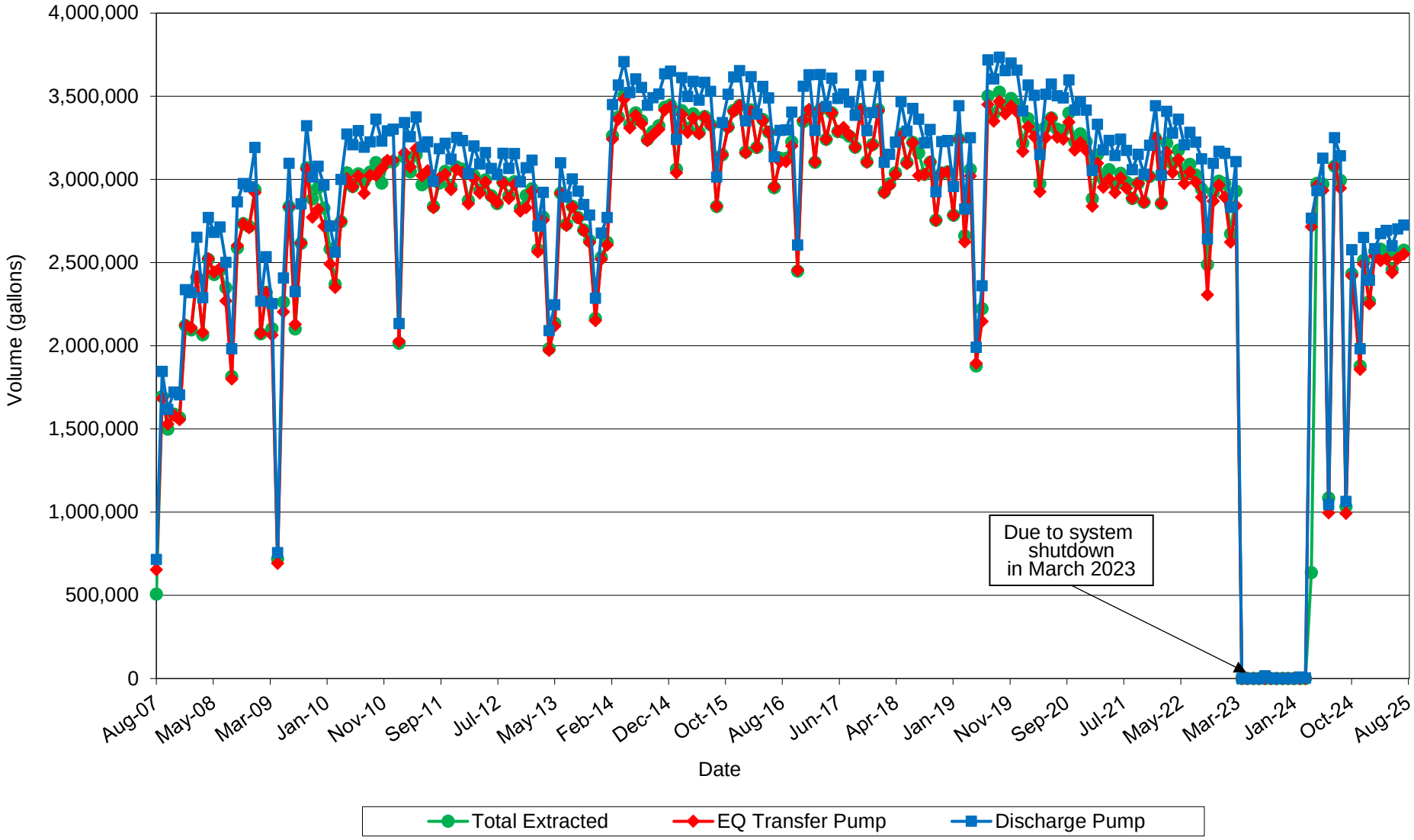
Monthly Extracted Groundwater Volume
TIAA Superfund Site - Airport Property
Tucson, Arizona
Off-Airport Property



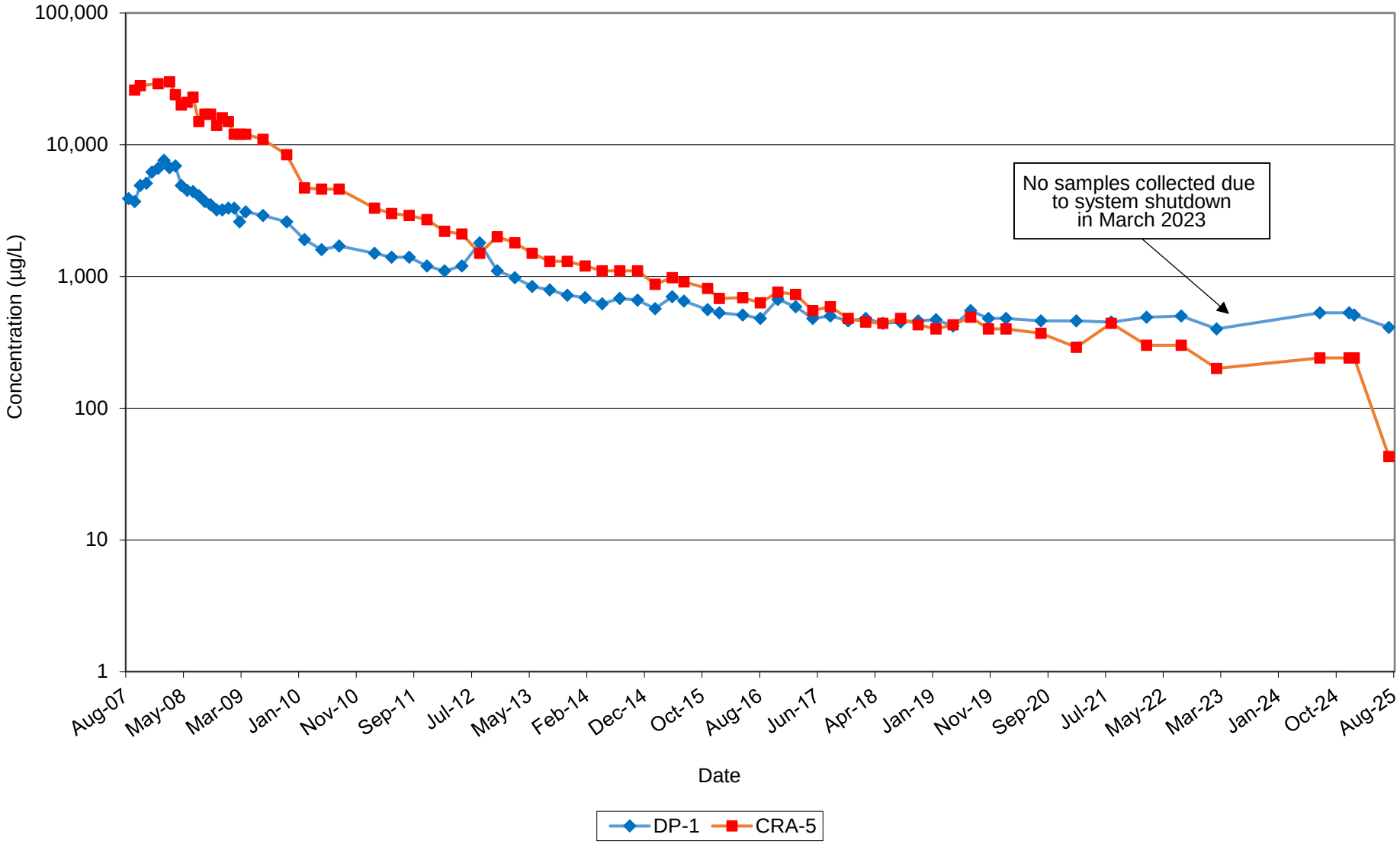
Monthly Extracted Groundwater Volume
TIAA Superfund Site - Airport Property
Tucson, Arizona



Monthly Process Volumes for SGZ System
TIAA Superfund Site - Airport Property
Tucson, Arizona

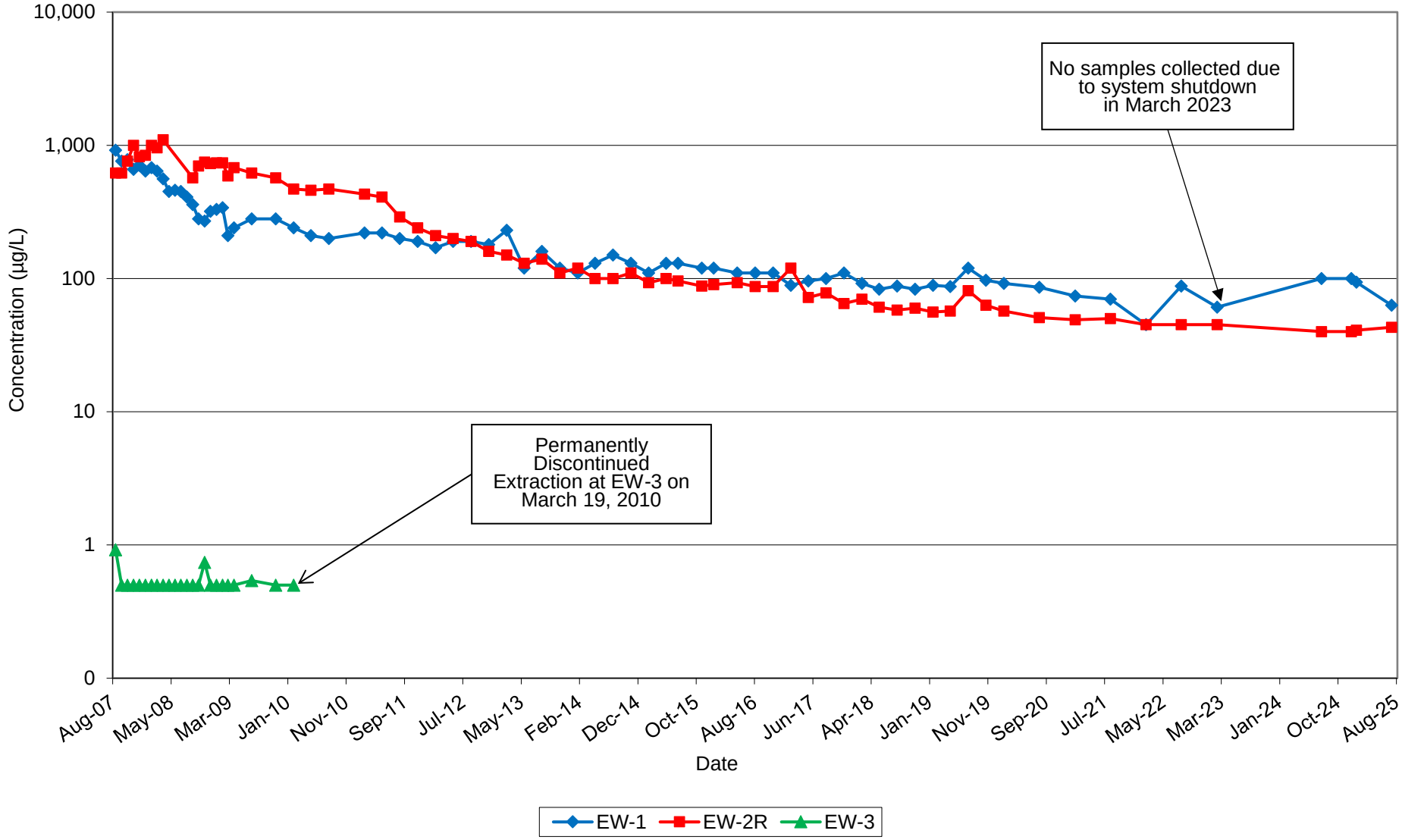


Extraction Well TCE Data
TIAA Superfund Site - Airport Property
Tucson, Arizona
TI Zone



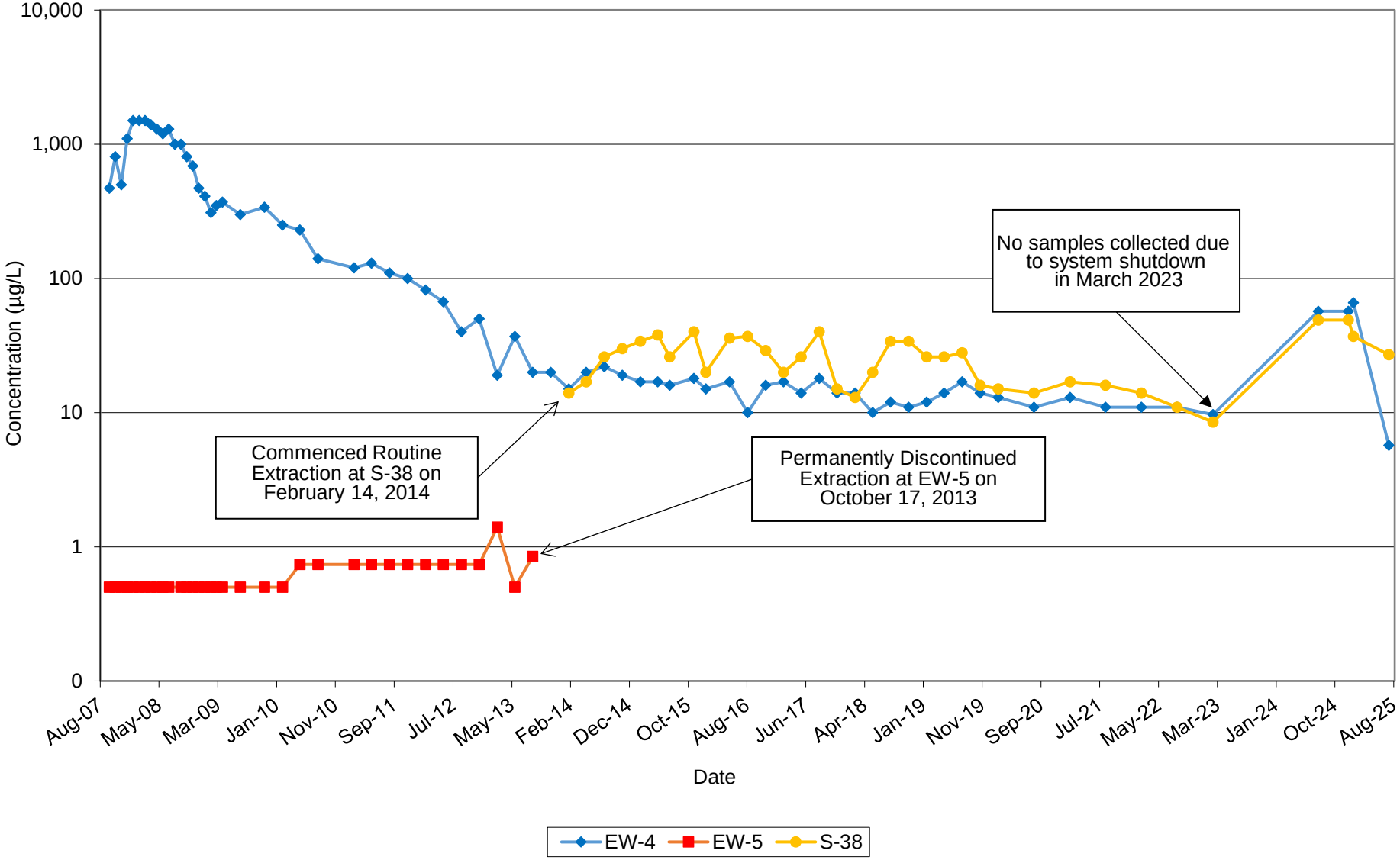
µg/L - micrograms per liter

Extraction Well TCE Data
TIAA Superfund Site - Airport Property
Tucson, Arizona
On-Airport Property



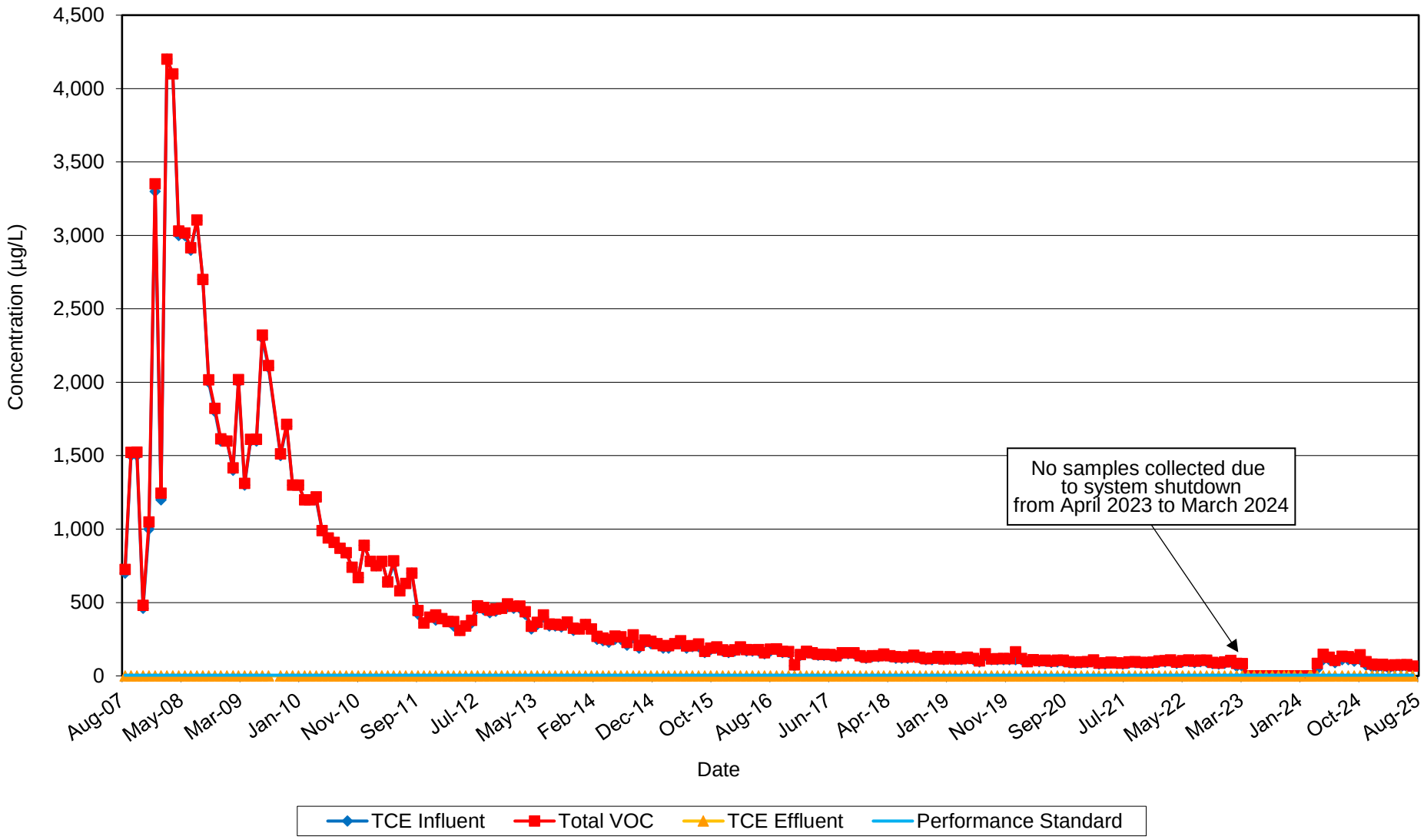
µg/L - micrograms per liter

Extraction Well TCE Data
TIAA Superfund Site - Airport Property
Tucson, Arizona
Off-Airport Property



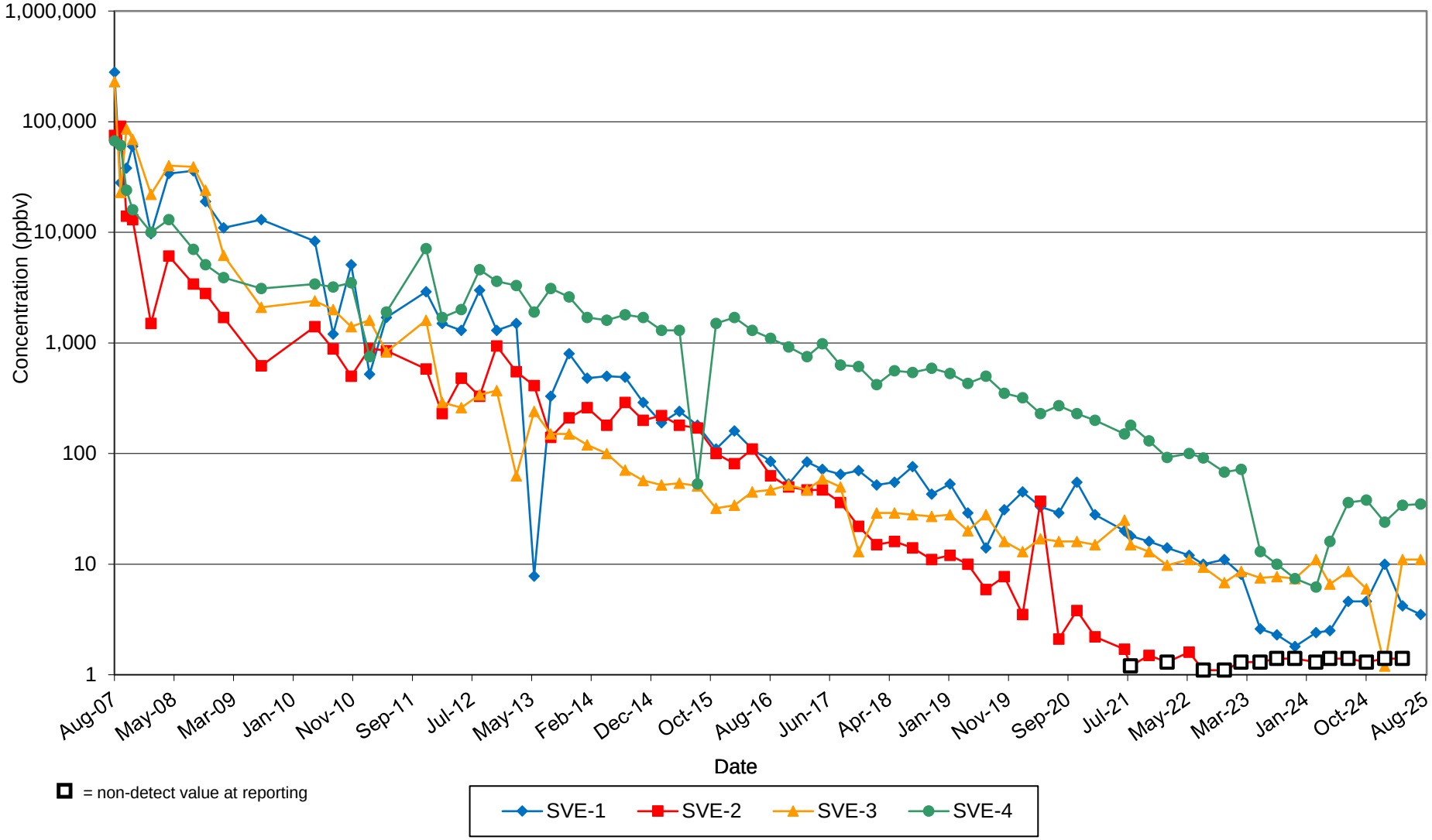
µg/L - micrograms per liter

Air Stripper Process Water Data
TIAA Superfund Site - Airport Property
Tucson, Arizona



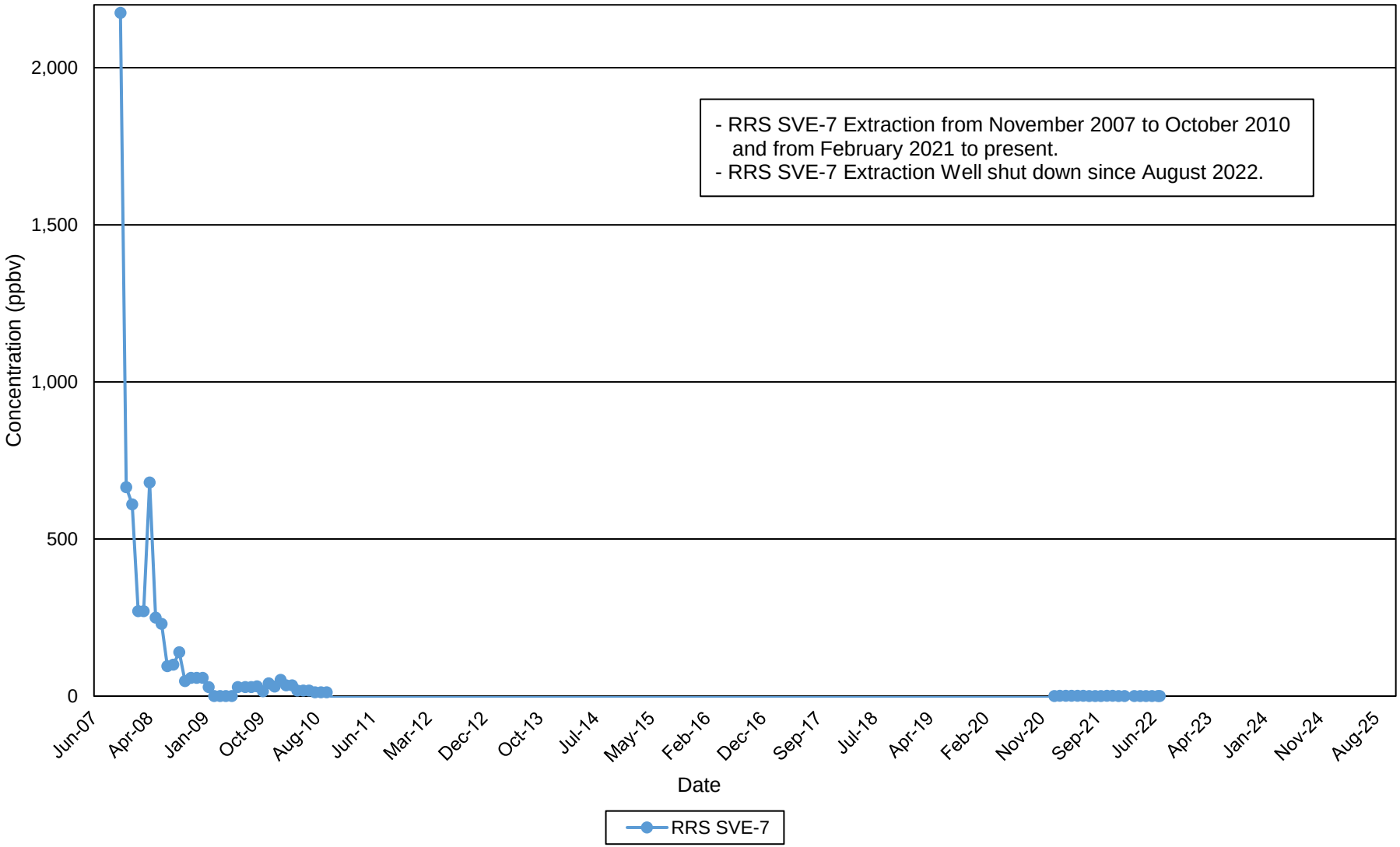
µg/L - micrograms per liter

TI Zone SVE Extraction Well TCE Data
TIAA Superfund Site - Airport Property
Tucson, Arizona



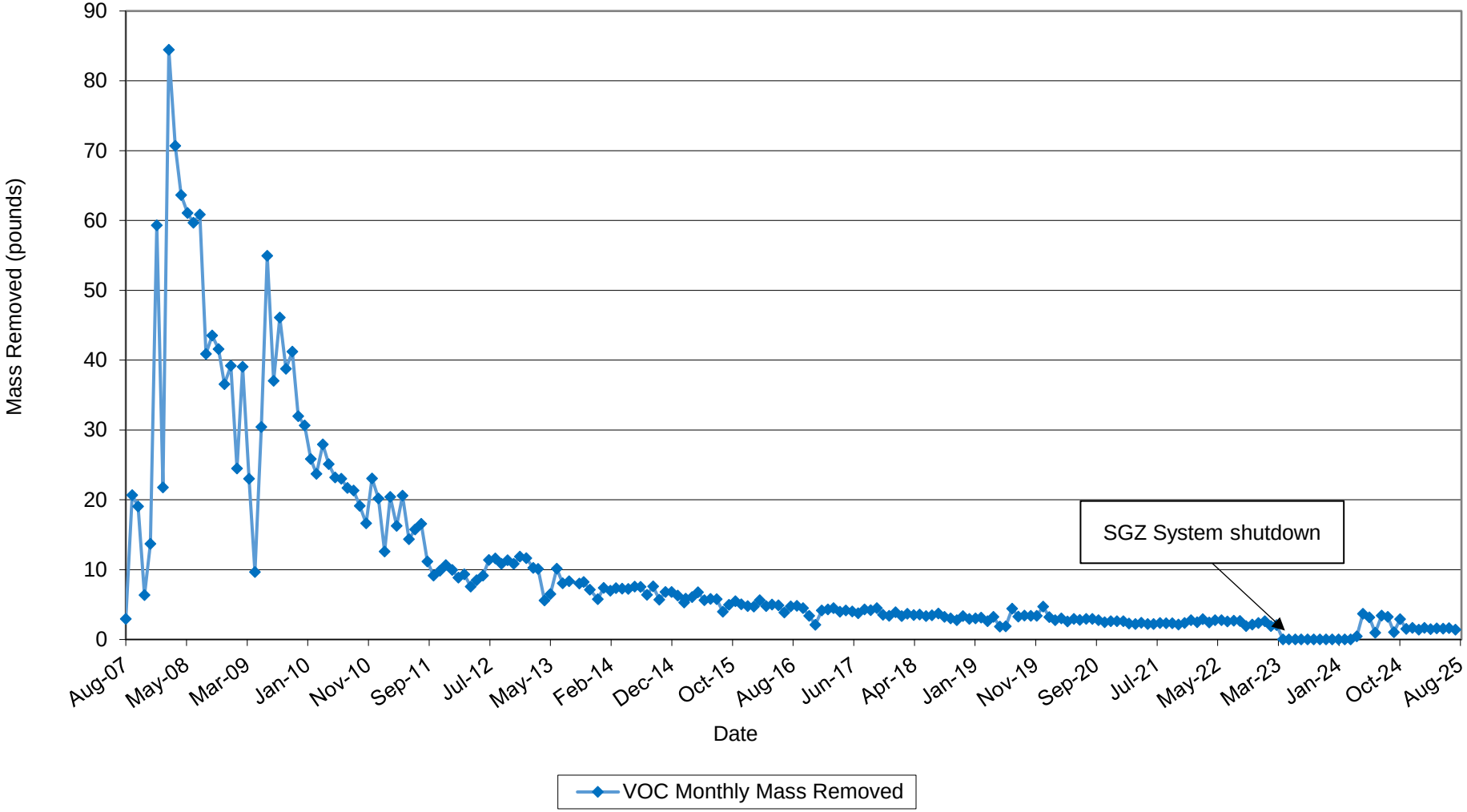
ppbv - parts per billion by volume

RRS SVE-7 Extraction Well
TCE Data
TIAA Superfund Site - Airport Property
Tucson, Arizona

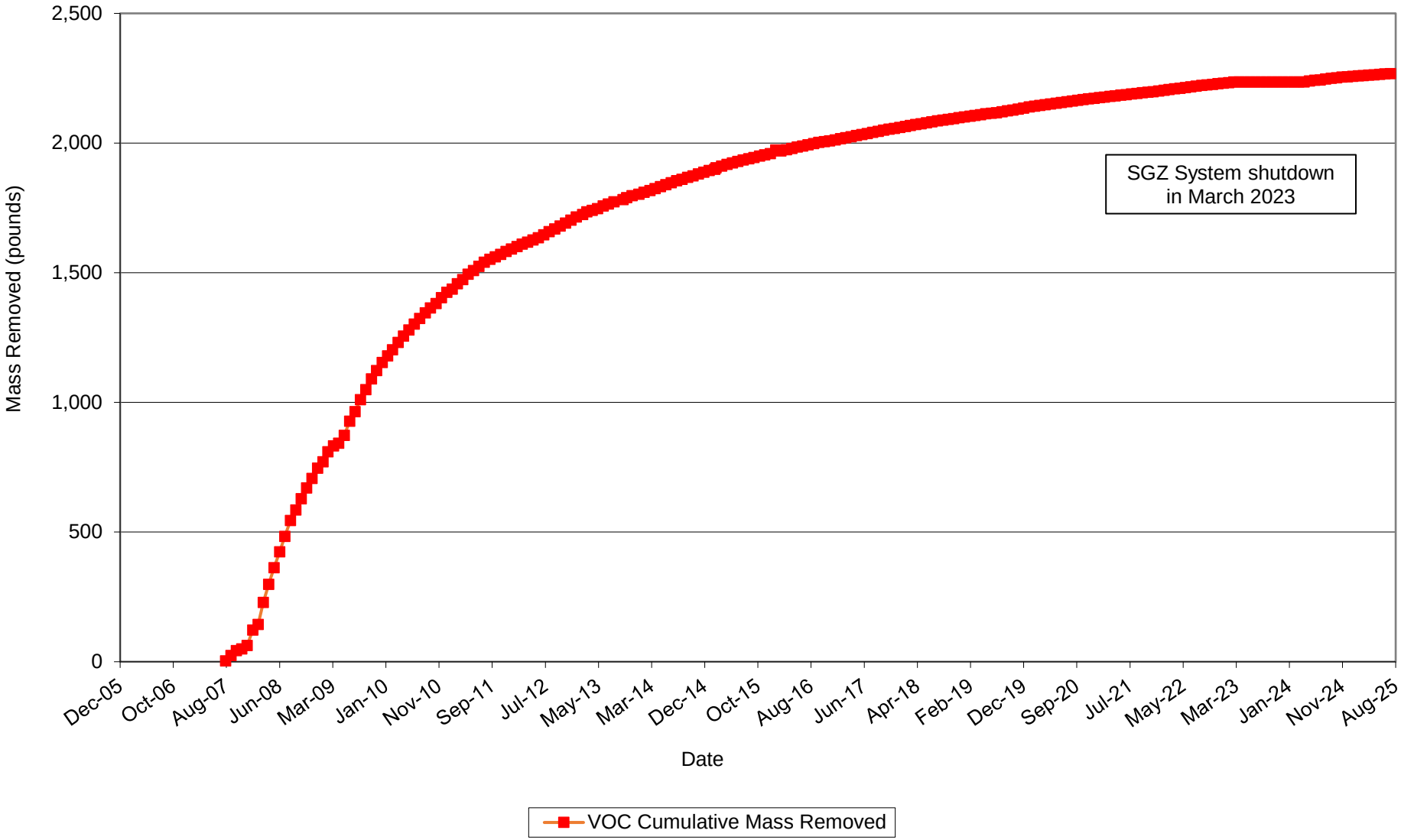


ppbv - parts per billion by volume
Used 1/4 of the non-detect limit for plotting

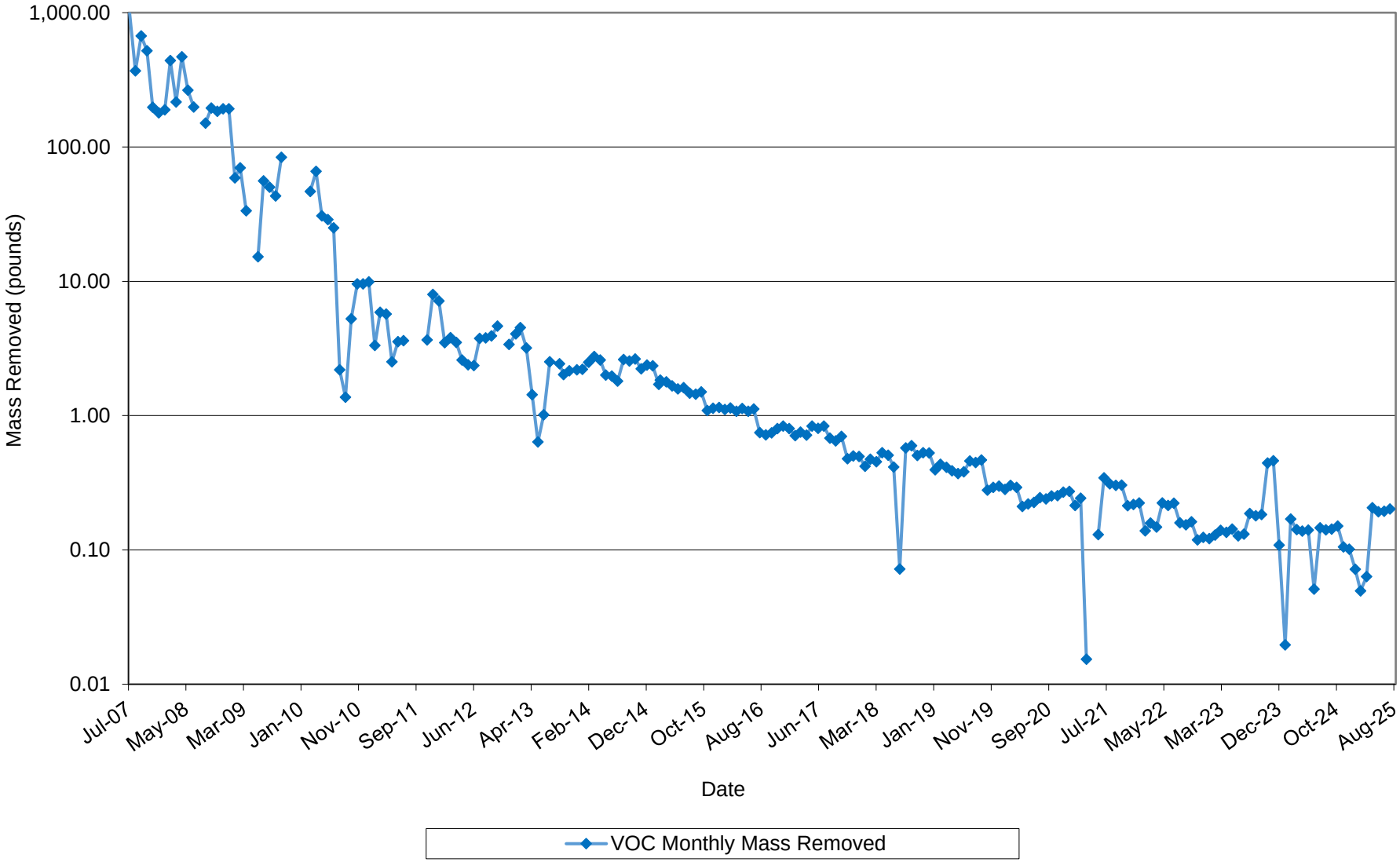
VOC Monthly Mass Removal from Groundwater
SGZ System
TIAA Superfund Site - Airport Property
Tucson, Arizona



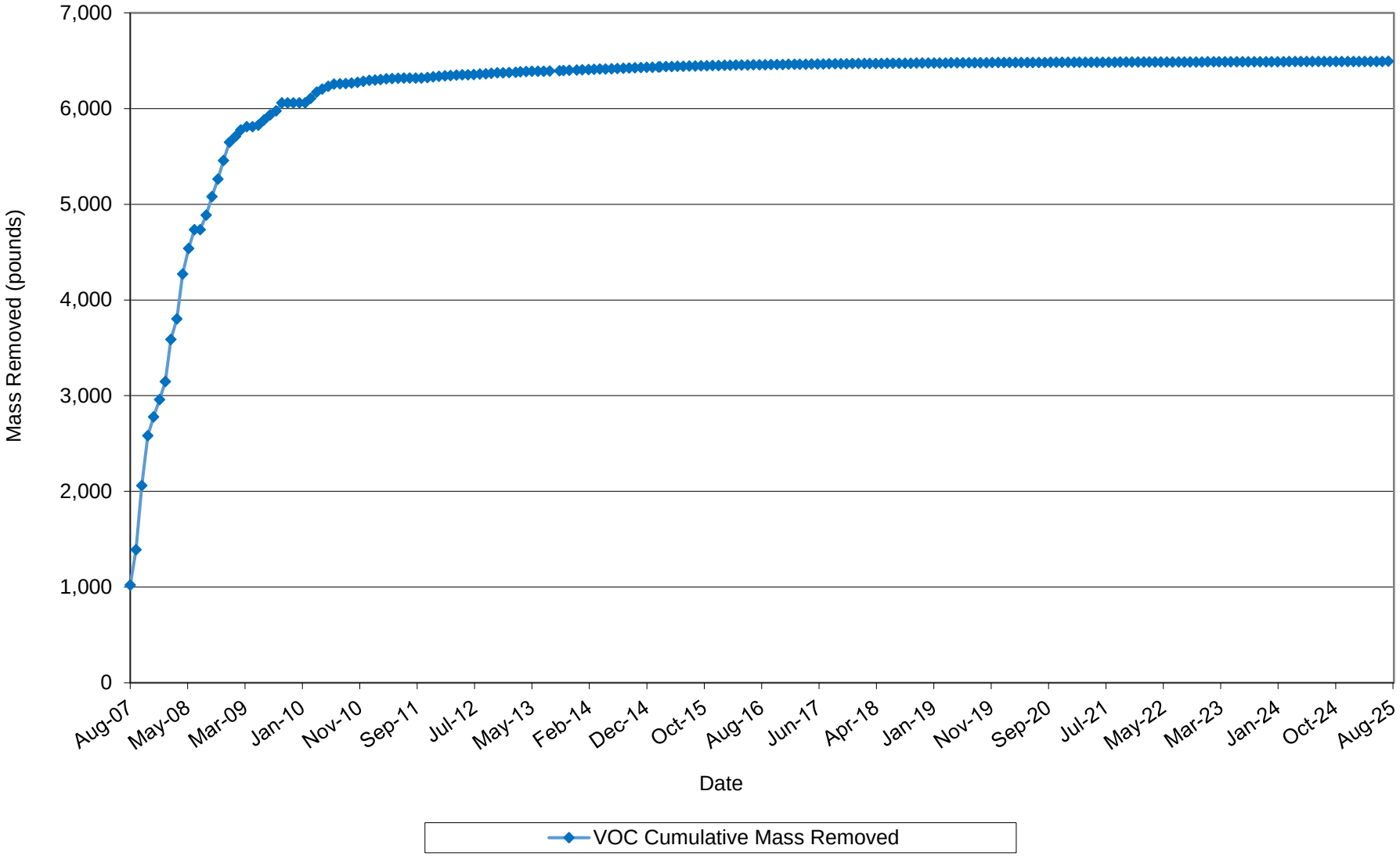
VOC Cumulative Mass Removal from Groundwater
SGZ System
TIAA Superfund Site - Airport Property
Tucson, Arizona



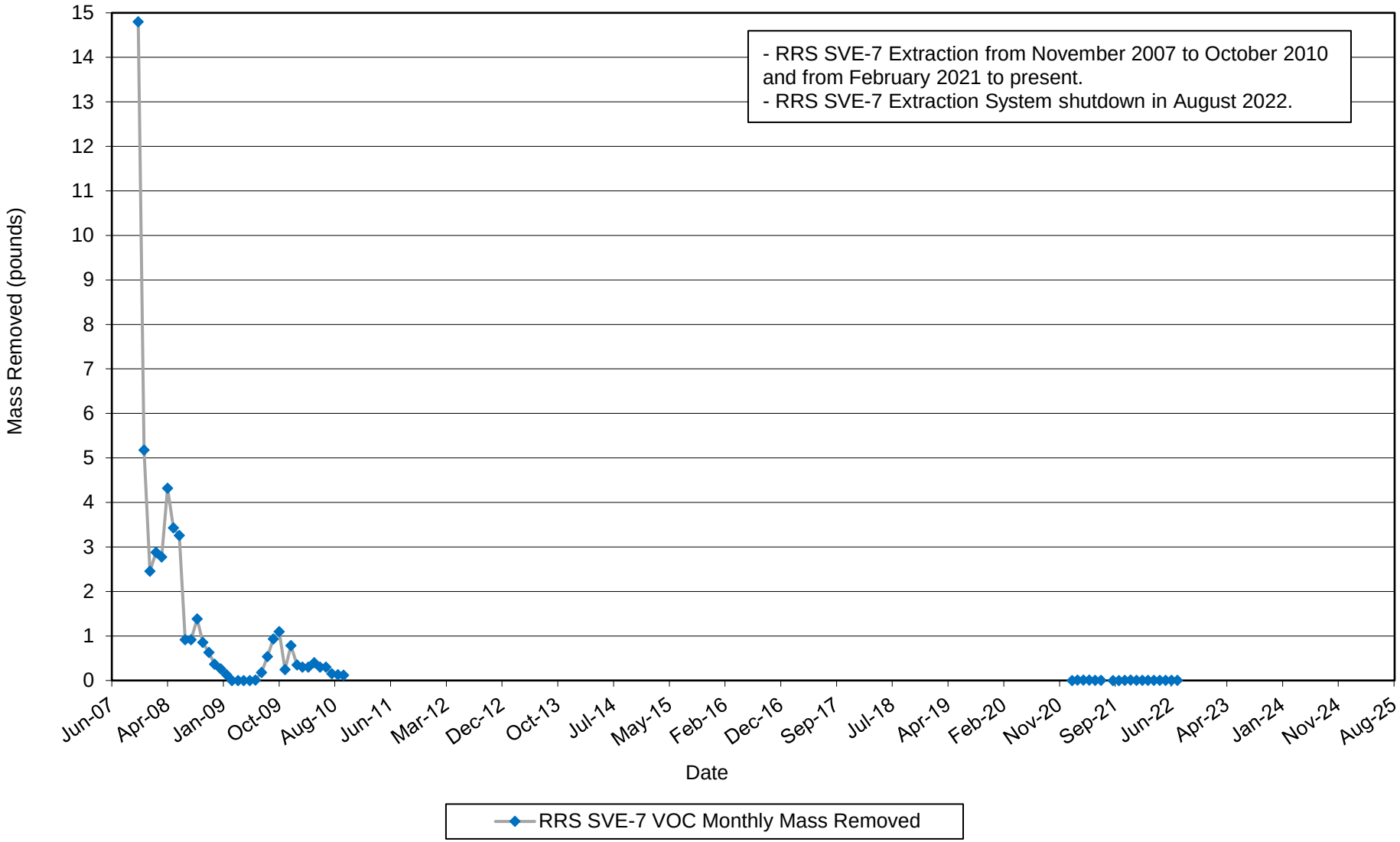
VOC Mass Removal from Soil in TI Zone
TI Zone SVE System
TIAA Superfund Site - Airport Property
Tucson, Arizona



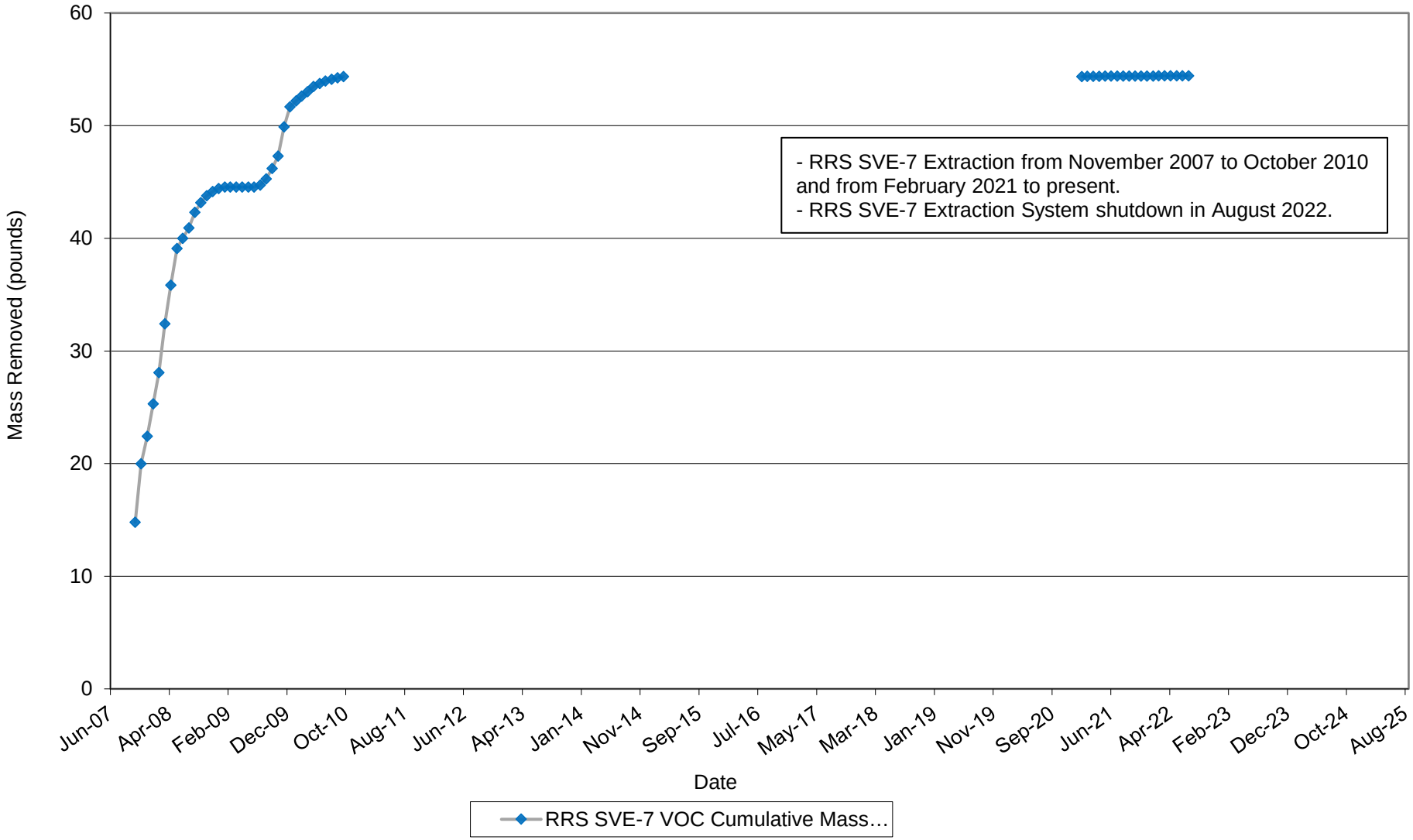
VOC Cumulative Mass Removal from Soil in TI Zone
TI Zone SVE System
TIAA Superfund Site - Airport Property
Tucson, Arizona



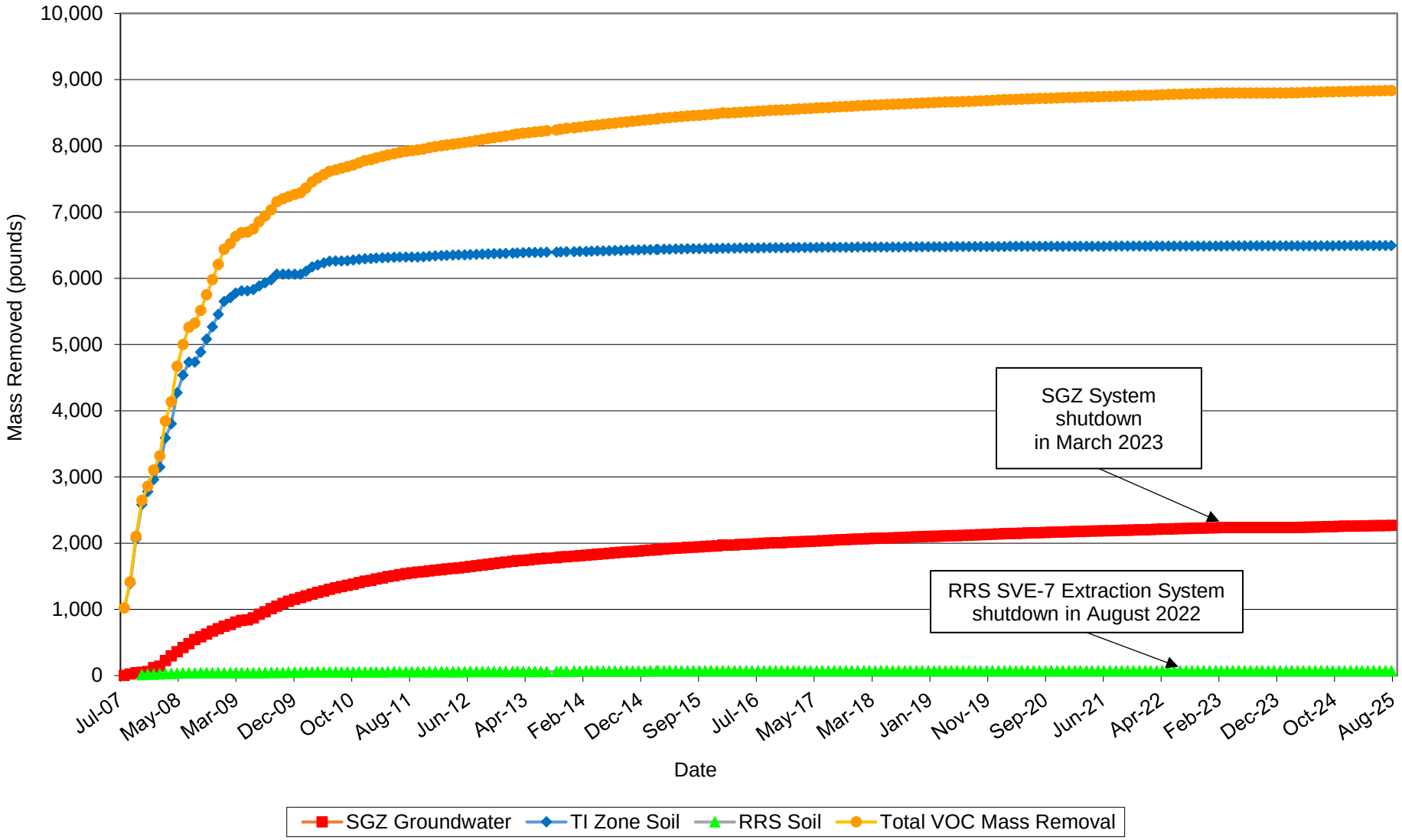
VOC Monthly Mass Removal from Soil in RRS SVE-7 Area
RRS SVE System
TIAA Superfund Site - Airport Property
Tucson, Arizona



VOC Cumulative Mass Removal from Soil in RRS SVE-7 Area
RRS SVE System
TIAA Superfund Site - Airport Property
Tucson, Arizona



VOC Cumulative Mass Removal
SGZ and SVE Systems
TIAA Superfund Site - Airport Property
Tucson, Arizona



Appendix C

Groundwater Elevation and TCE Concentration Trend Hydrographs

Appendix C Groundwater Elevations and TCE Concentration Trend Hydrographs

Table of Contents

TI Zone Wells

Shallow Groundwater Zone

S-5 ..... C-1
S-10 ..... C-2

Gravel Subunit

CRA-2 ..... C-3
CRA-5 ..... C-4
CRA-15 ..... C-5
DP-1 ..... C-6
SVE-1D C-7
SVE-2D C-8
SVE-3D C-9

On-Airport Property Wells

Shallow Groundwater Zone

CRA-31S C-10
CRA-34S C-11
CRA-52S C-12
CRA-57S C-13
CRA-67S C-14
GHD-1S C-15
S-1 ..... C-16
S-3 ..... C-17
S-4 ..... C-18
S-6 ..... C-19
S-7 ..... C-20
S-9 ..... C-21
S-11 ..... C-22
S-12 ..... C-23
S-13 ..... C-24
S-14 ..... C-25
S-16 ..... C-26

S-18 ..... C-27
S-19 ..... C-28
S-20 ..... C-29
S-27 ..... C-30
S-28 ..... C-31

Gravel Subunit

CRA-8 ..... C-32
CRA-9 ..... C-33
CRA-10 ..... C-34
CRA-11 ..... C-35
CRA-12 ..... C-36
CRA-31D C-37
CRA-34D C-38
CRA-52D C-39
CRA-57D C-40
CRA-67D C-41
EW-1 ..... C-42
EW-2R C-43
GHD-1D C-44
S-2 ..... C-45
S-16B C-46
S-29 ..... C-47
SVE-5D C-48
SVE-6D C-49
SVE-7D C-50

Regional Aquifer

D-1 ..... C-51
D-2 ..... C-52
D-3 ..... C-53
D-4 ..... C-54
D-5 ..... C-55
D-9 ..... C-56

Off-Airport Property Wells

Shallow Groundwater Zone

S-21 ..... C-57
S-23 ..... C-58
S-24 ..... C-59
S-26 ..... C-60

Gravel Subunit

CRA-6 ..... C-61
CRA-7 ..... C-62
EW-4 ..... C-63
EW-5 ..... C-64

S-21B C-65
S-37 ..... C-66
S-38 ..... C-67
S-39 ..... C-68
CRA-42 ..... C-69

Regional Aquifer

D-6 ..... C-70
D-7 ..... C-71
D-8 ..... C-72

Other Area Wells – Not Part of the Main SGZ Remedy Groundwater Monitoring Well Network

Samsonite Building Area

Shallow Groundwater Zone

CRA-13 ..... C-73
CRA-14 ..... C-74
S-31 ..... C-75
S-42 ..... C-76

Gravel Subunit

MWS-1 ..... C-77

West End of Runway 3

Shallow Groundwater Zone

CRA-16 ..... C-78
CRA-18 ..... C-79
CRA-21S C-80
CRA-22S C-81
CRA-61S C-82
CRA-62S C-83
S-30 ..... C-84
S-35 ..... C-85
S-41 ..... C-86

Gravel Subunit

CRA-21D C-87
CRA-22D C-88
CRA-23 ..... C-89
CRA-61D C-90
CRA-62D C-91
MWR-1 ..... C-92
MWR-2 ..... C-93

S-17 Area

Shallow Groundwater Zone

CRA-38S....C-94
CRA-39S....C-95
S-17....C-96
S-25....C-97

Gravel Subunit

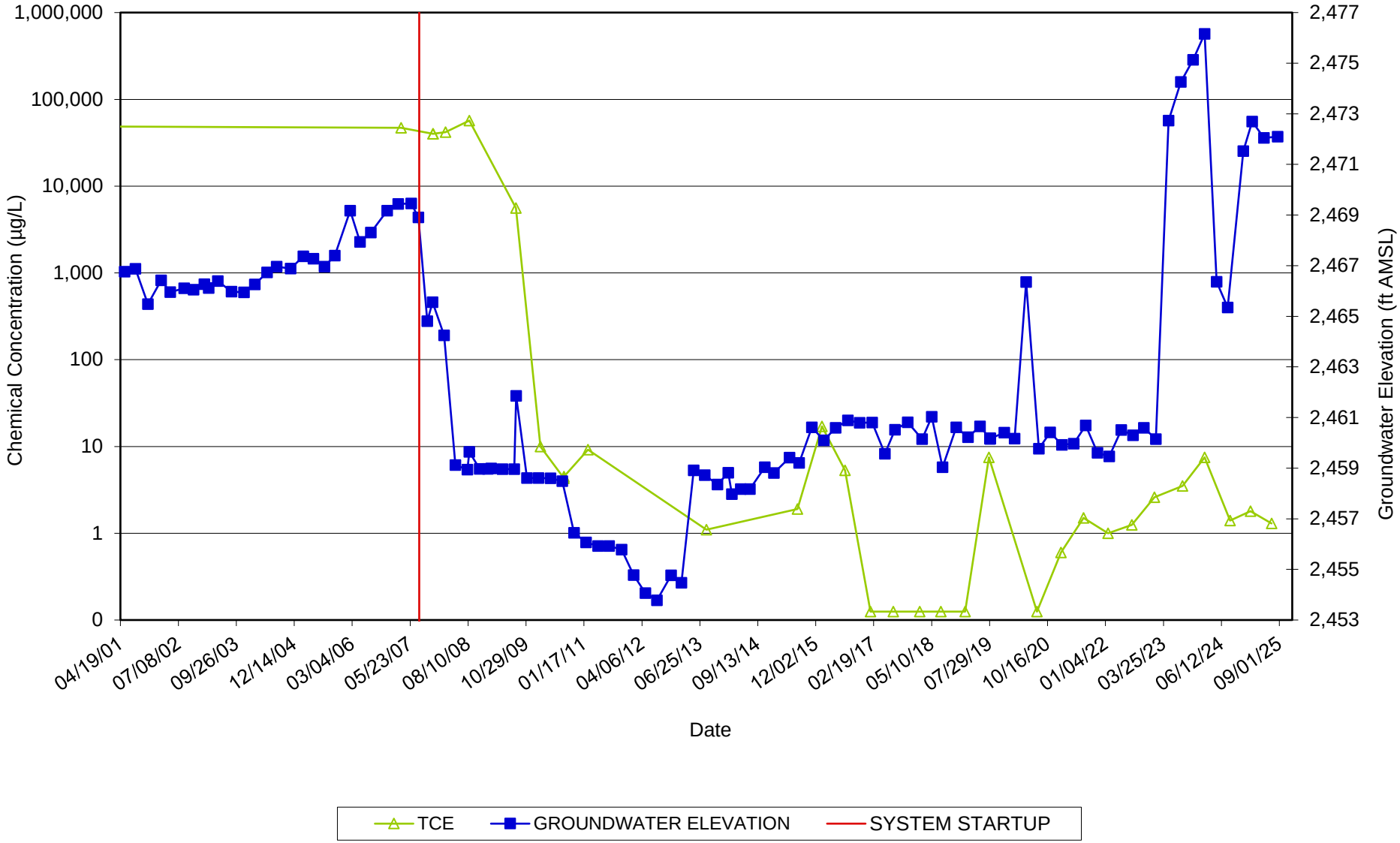
EW-3....C-98
CRA-38D....C-99
CRA-39D....C-100

Additional Plug-In Subsites

Shallow Groundwater Zone

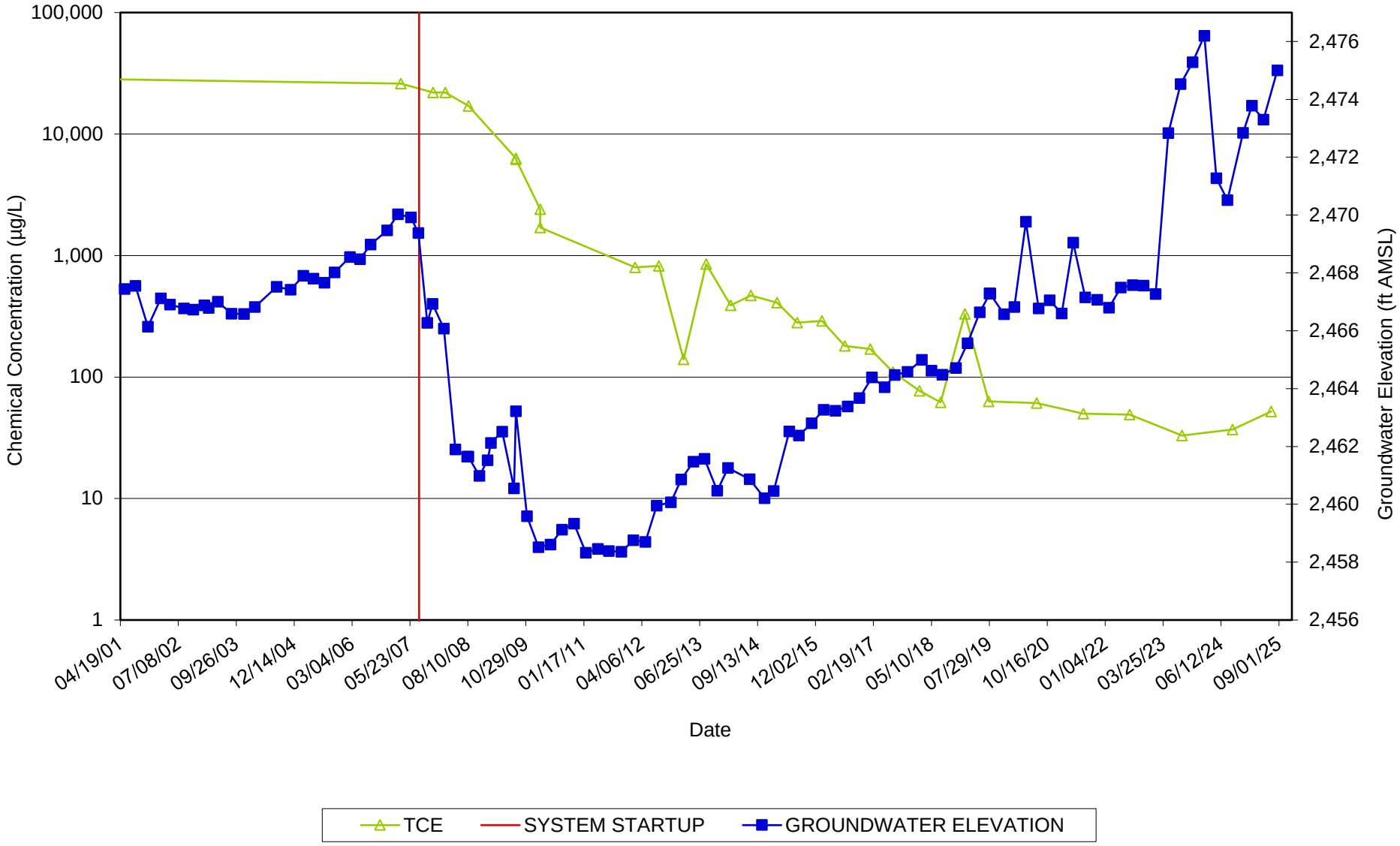
S-22....C-101
S-32....C-102
S-33....C-103
S-34....C-104
S-36....C-105
S-40....C-106
LF-3....C-107
LF-4....C-108
LF-5....C-109
LF-6....C-110
LF-7....C-111

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
S-5



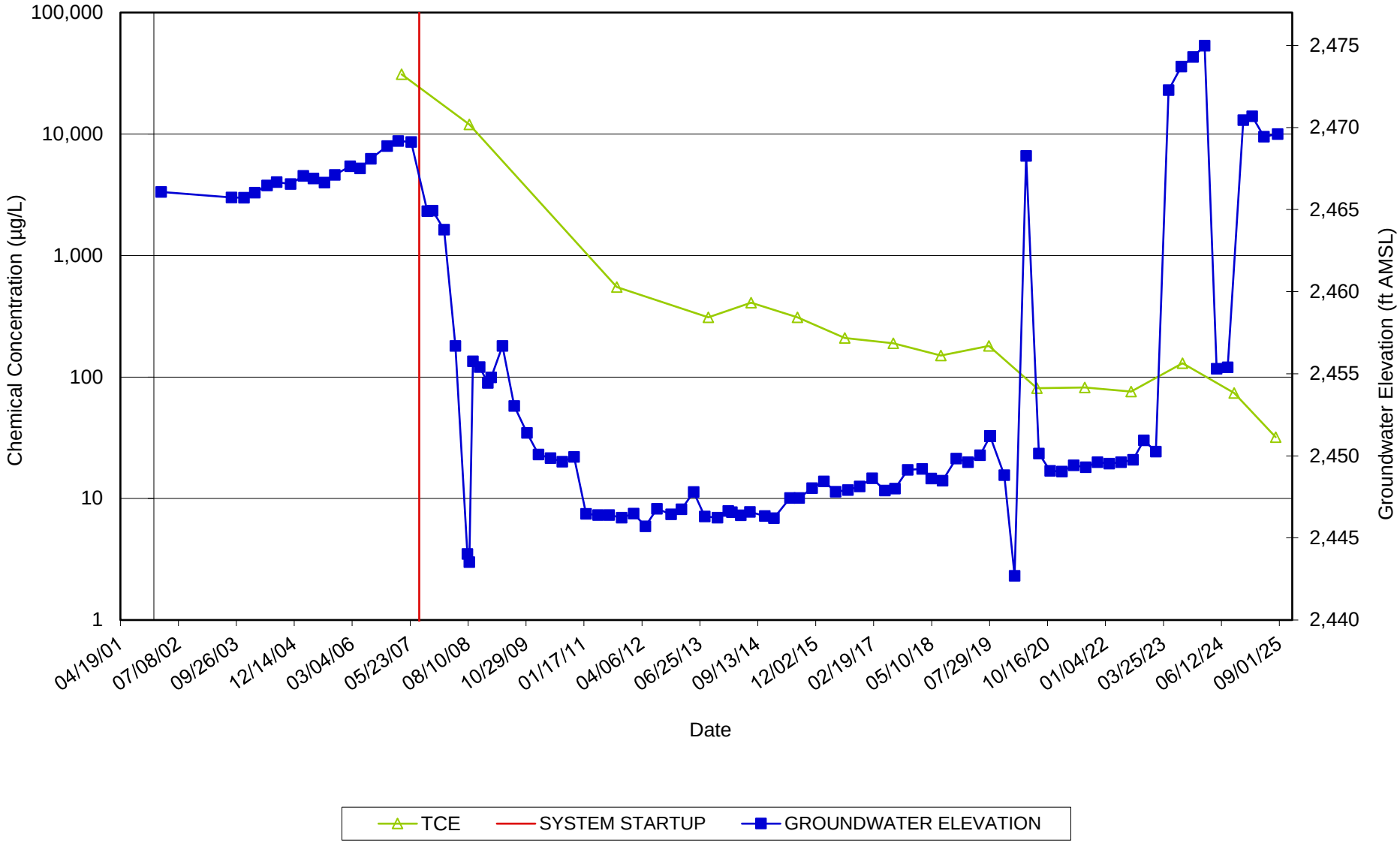
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
S-10



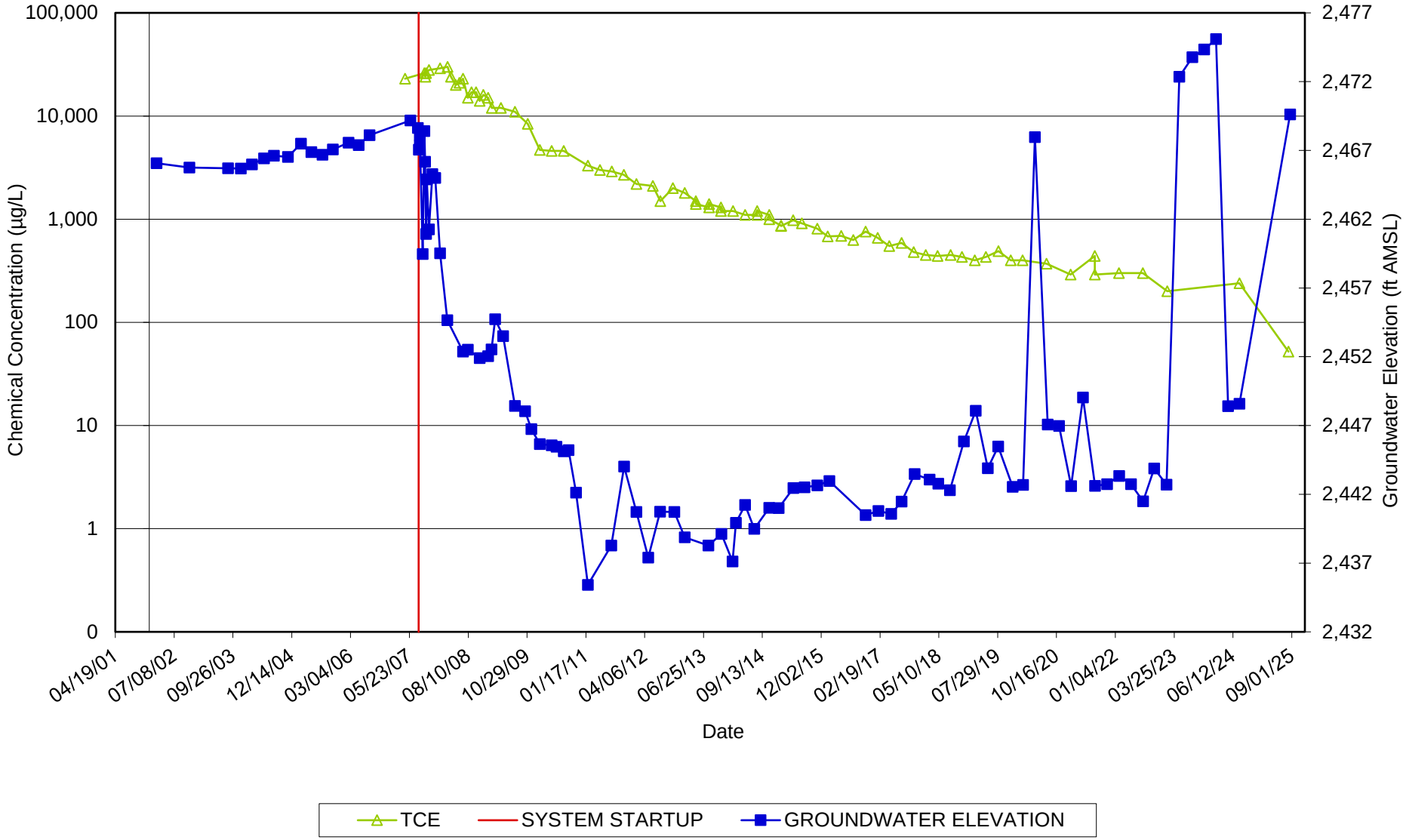
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
CRA-2



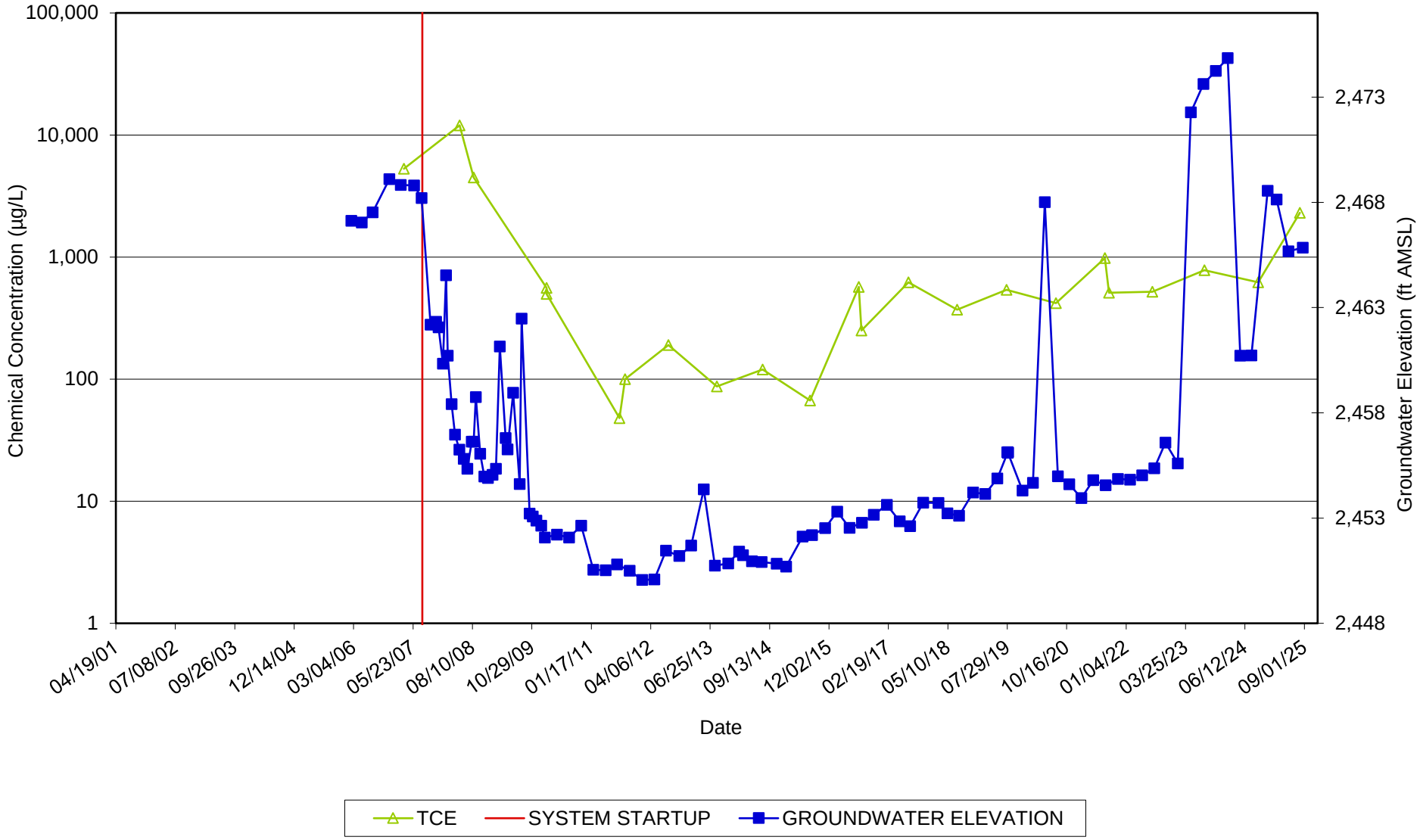
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
CRA-5



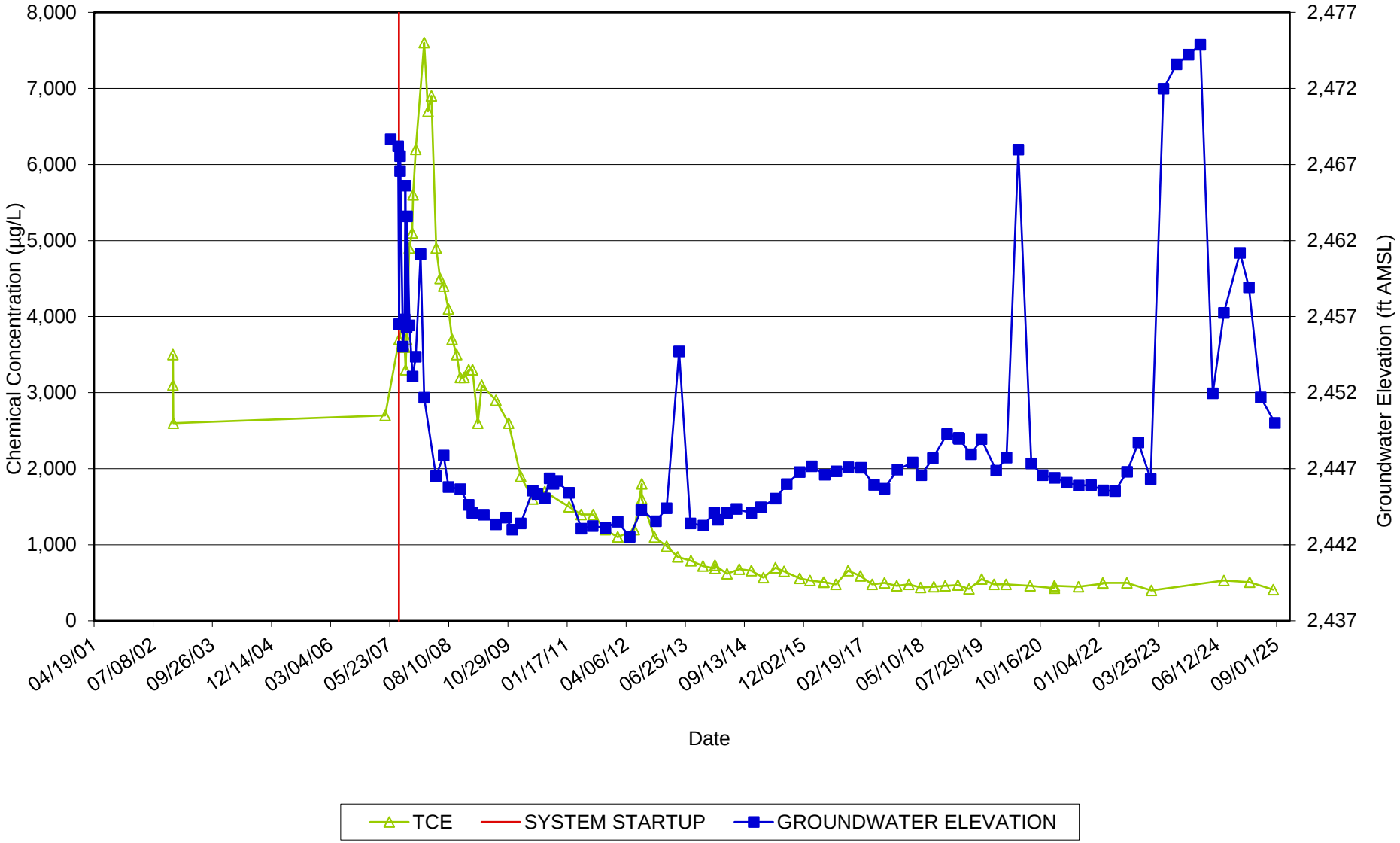
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
CRA-15



µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
DP-1



µg/L - micrograms per liter
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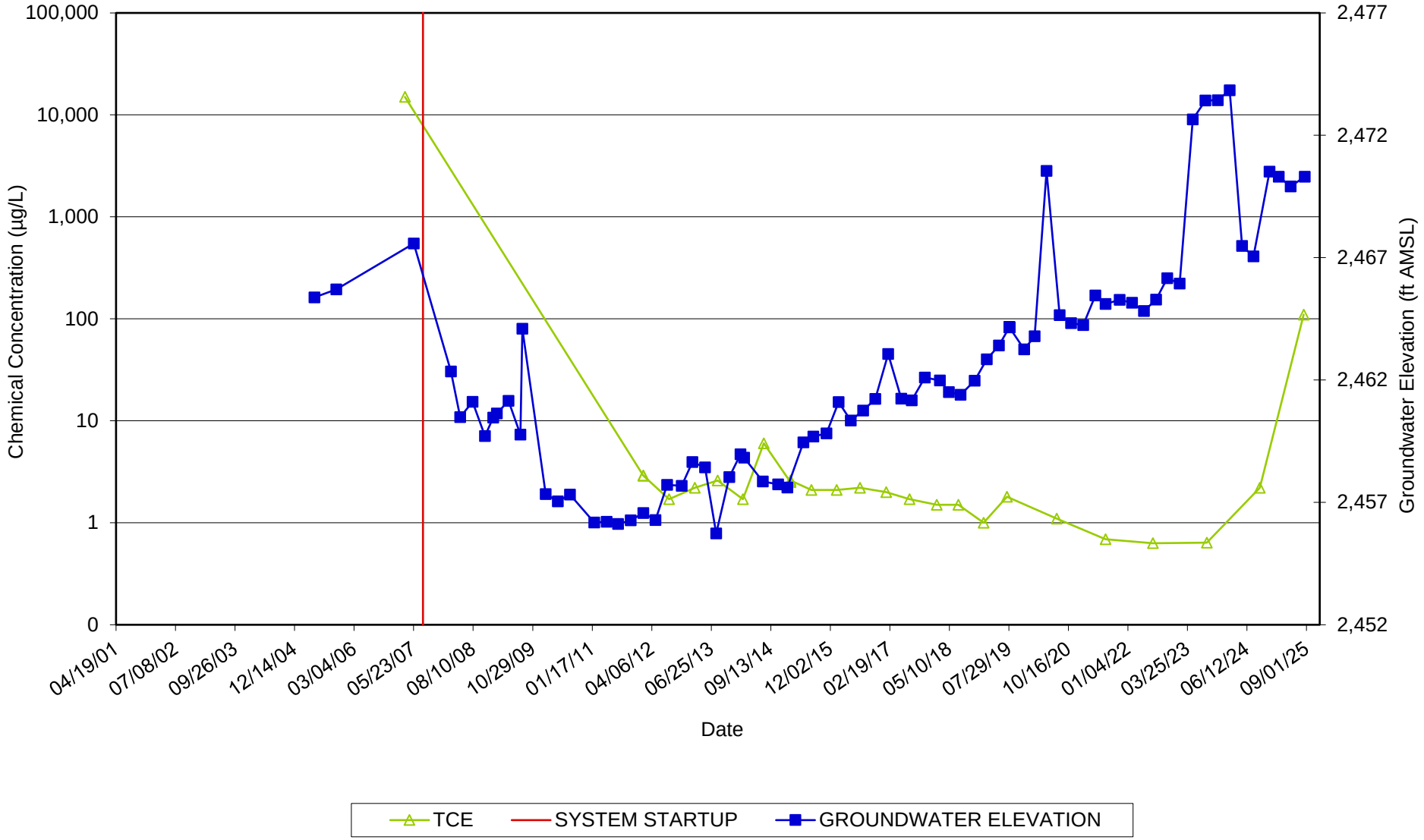
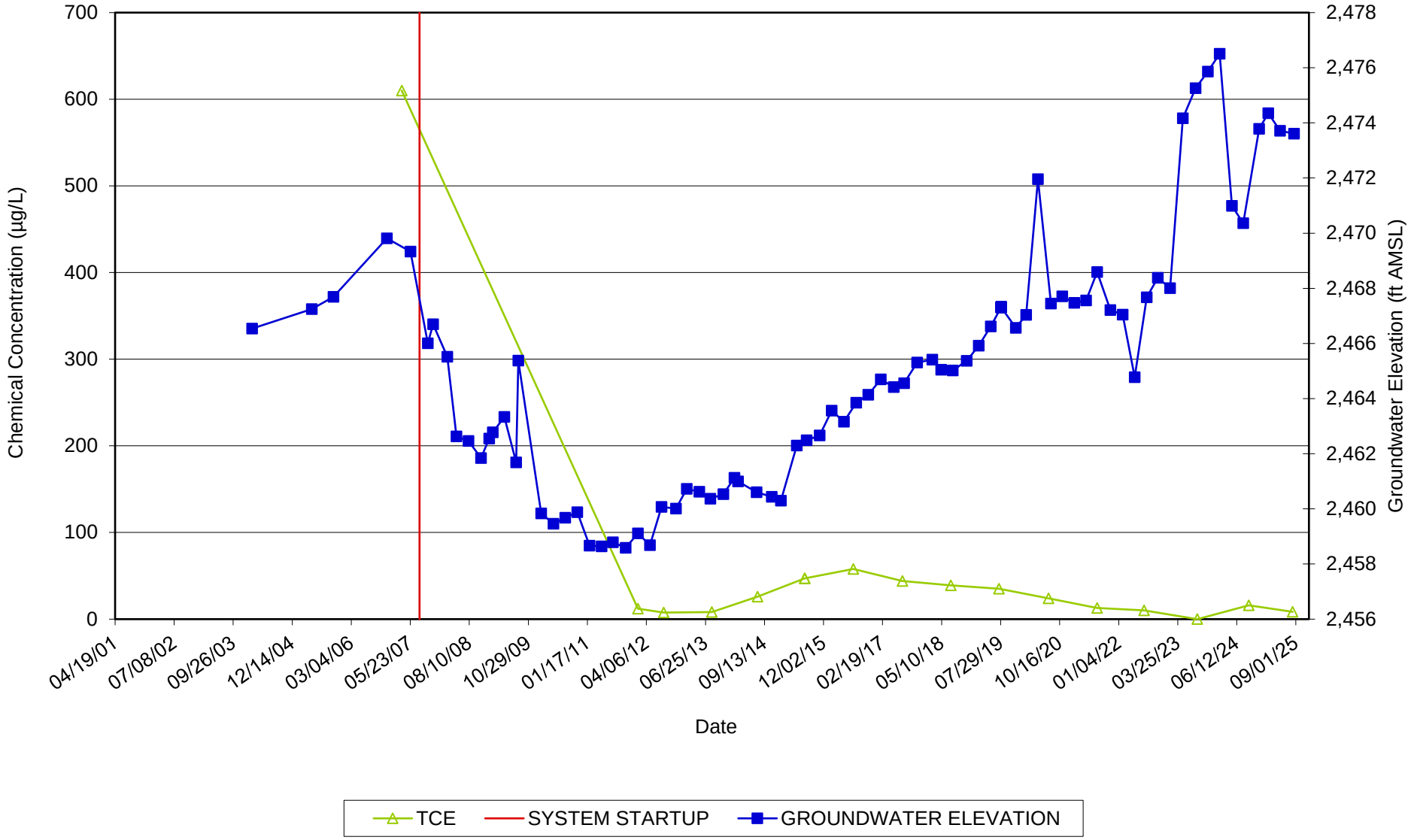
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
SVE-1D



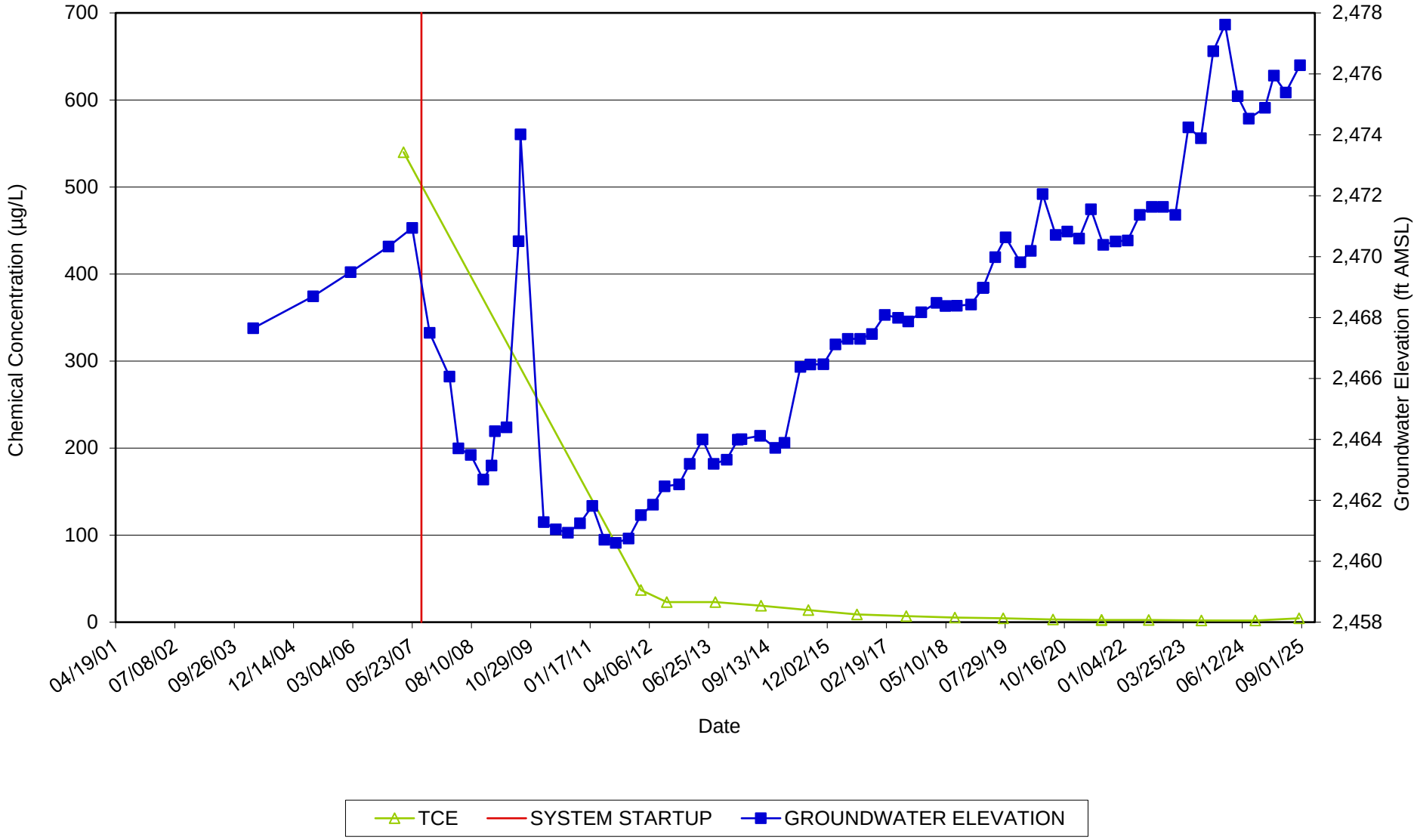
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
SVE-2D



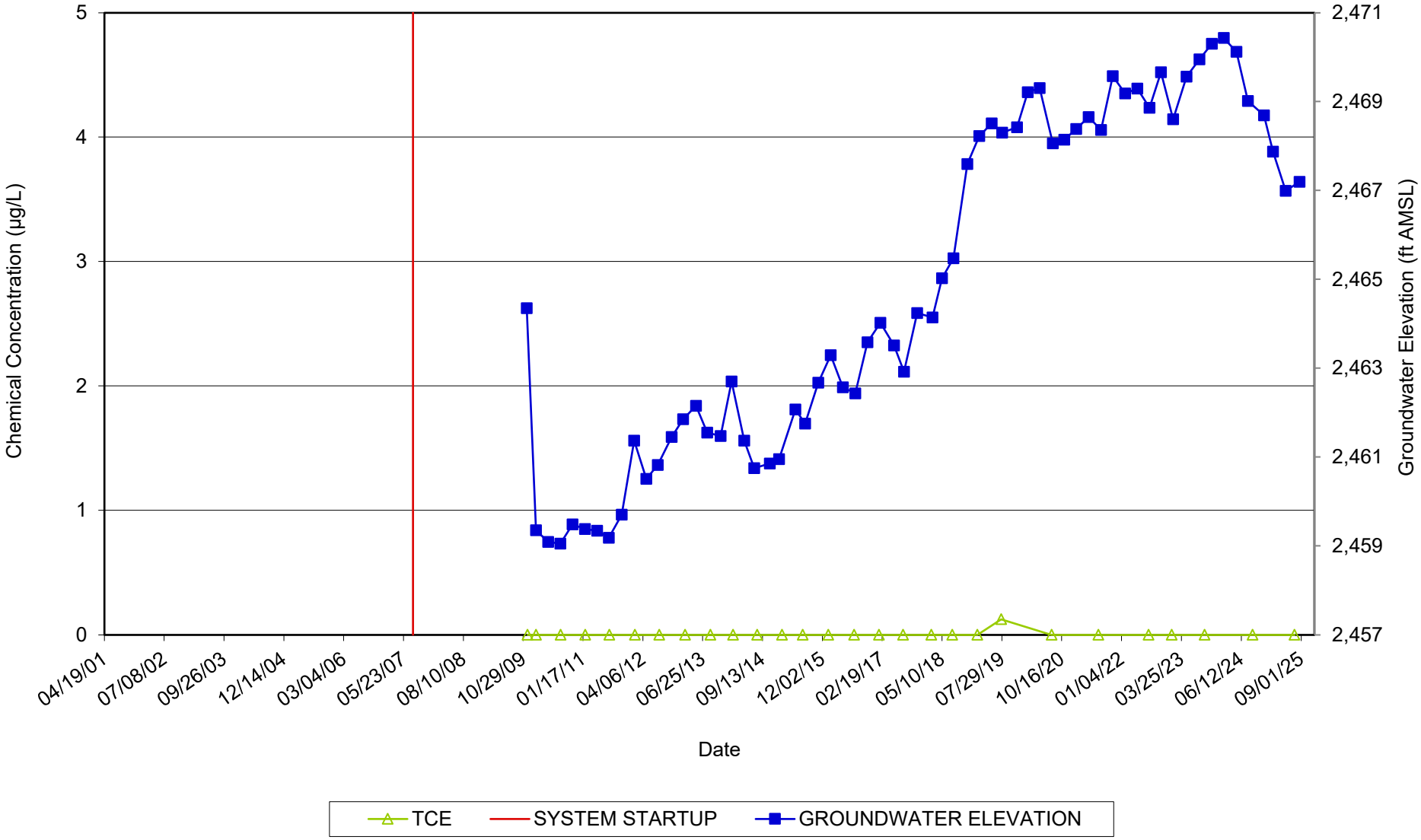
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
SVE-3D



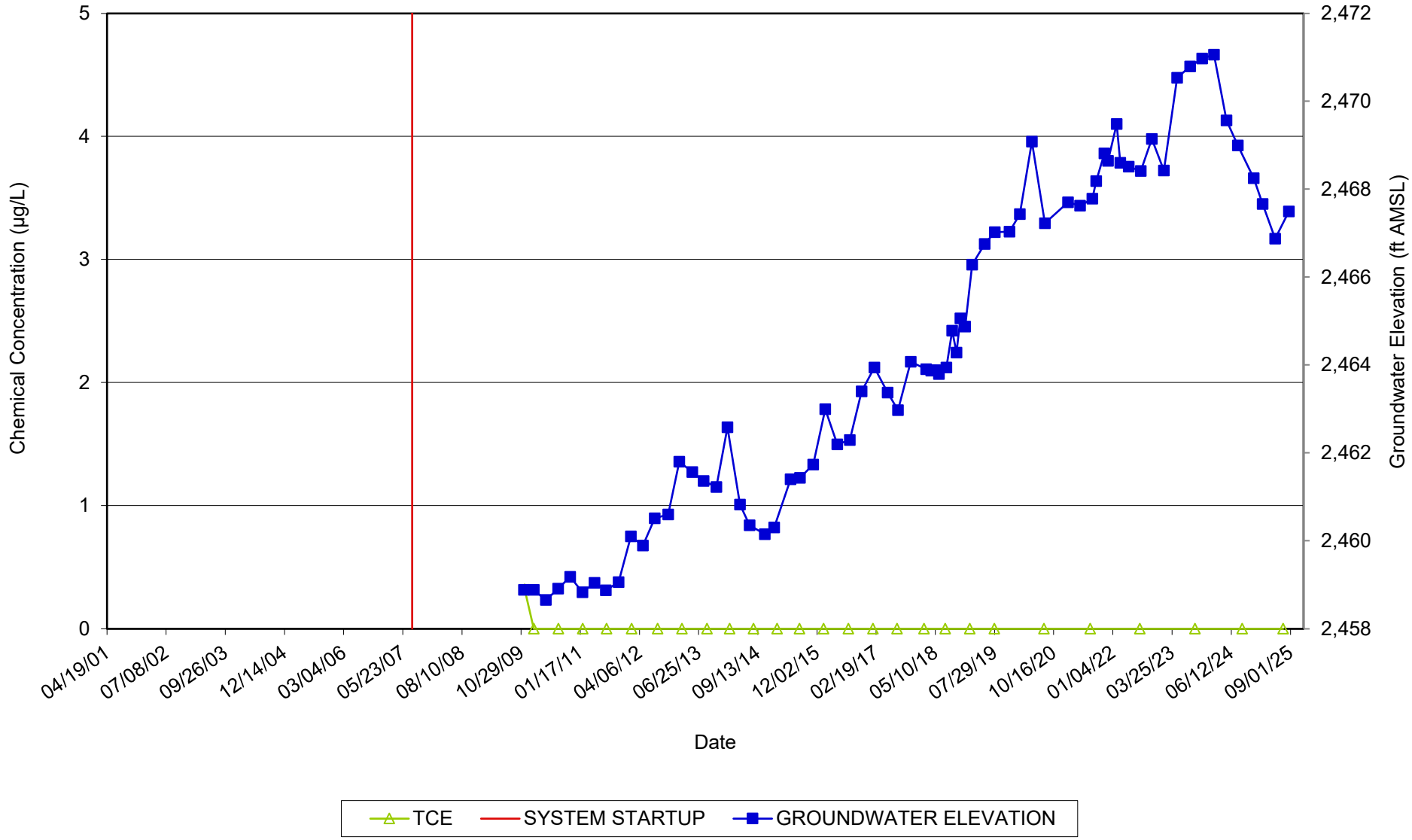
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
CRA-31S



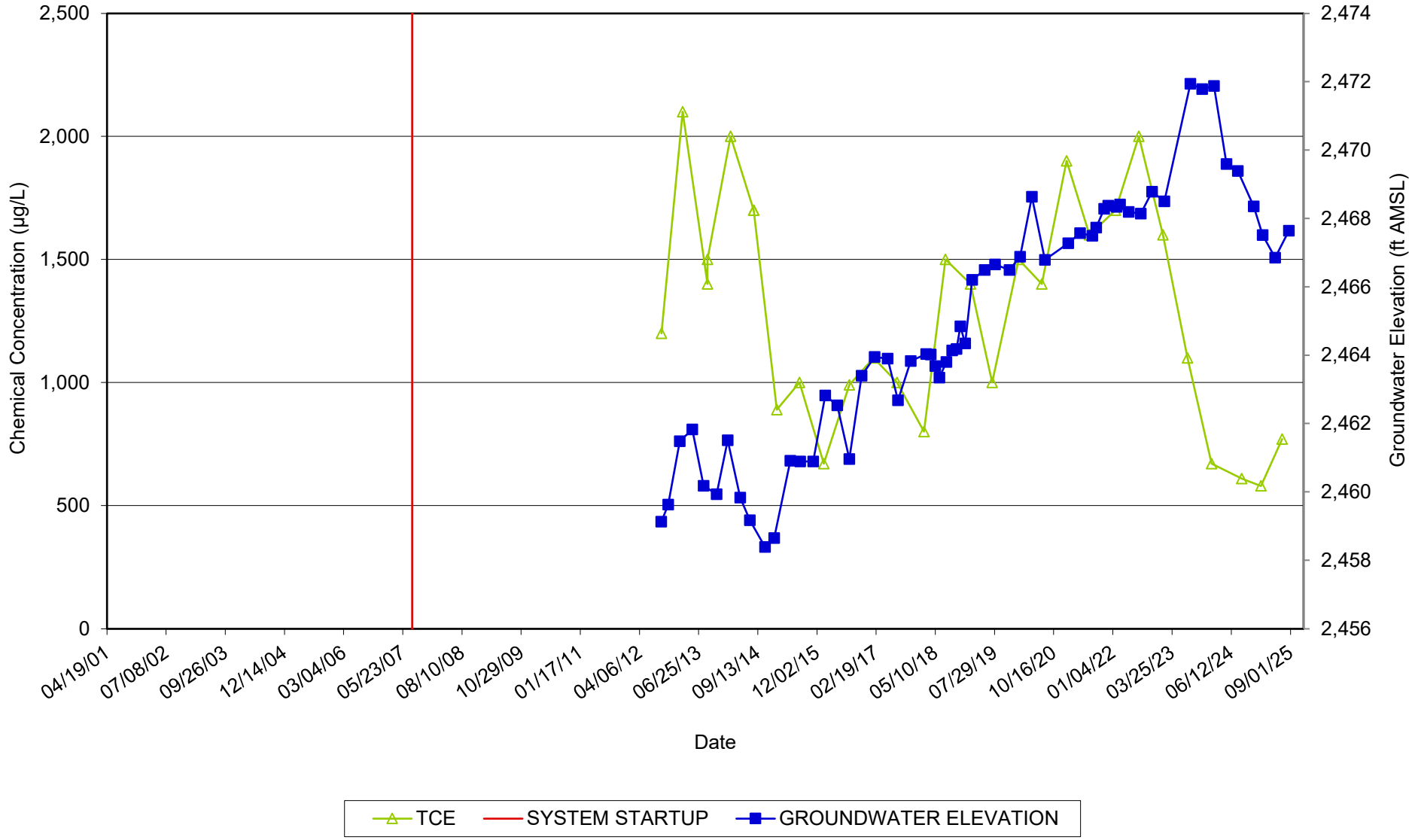
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
CRA-34S



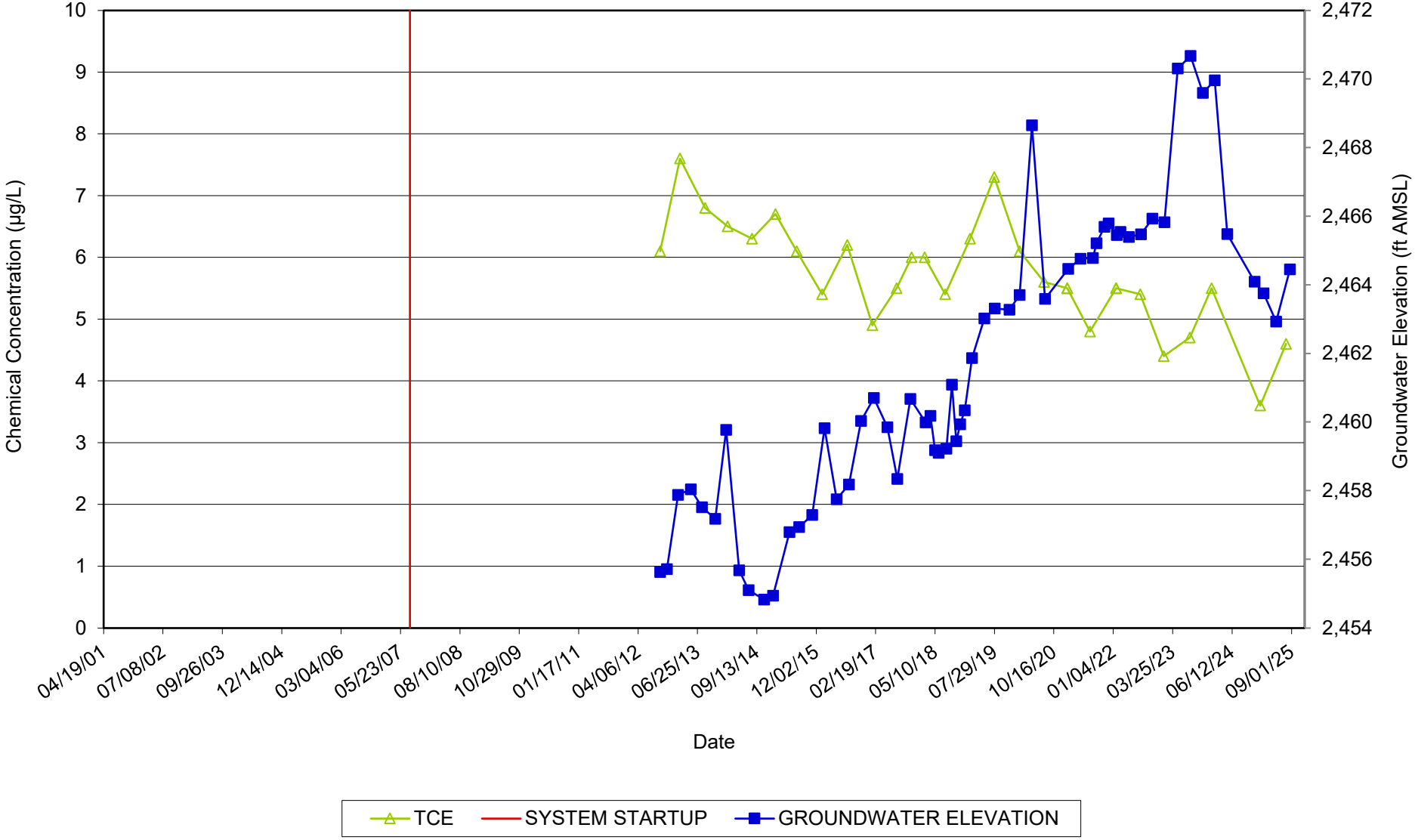
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
CRA-52S



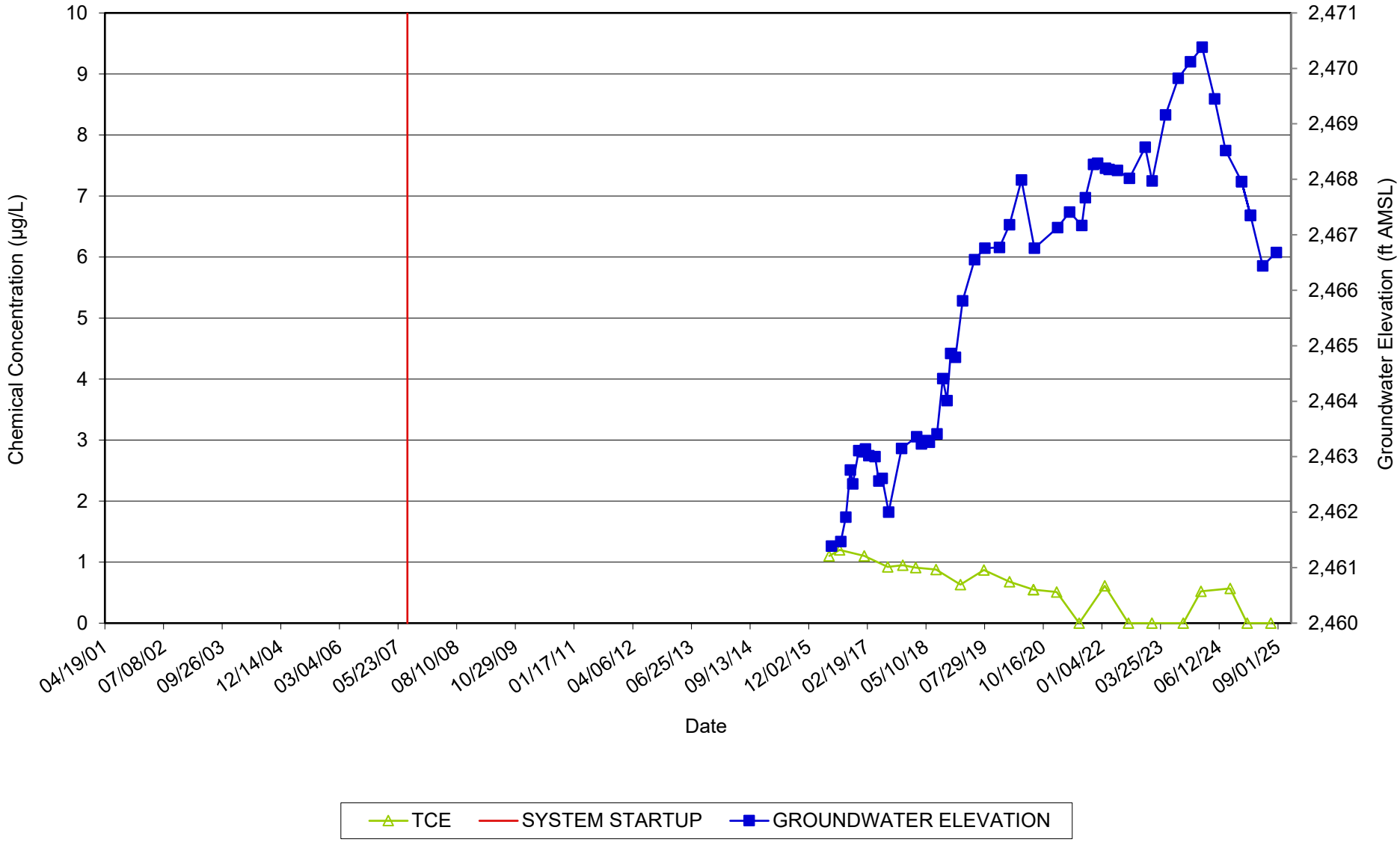
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
CRA-57S



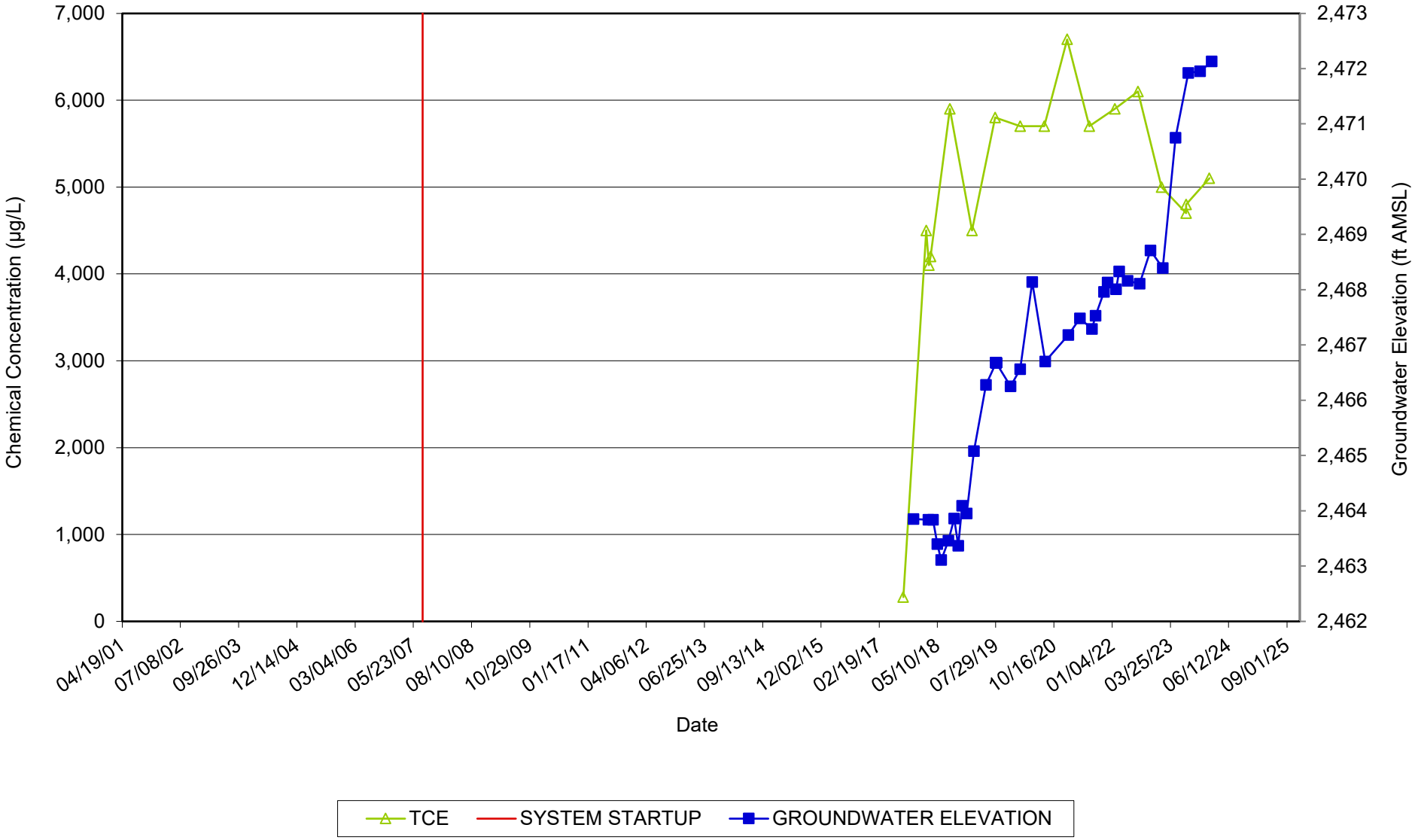
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
CRA-67S



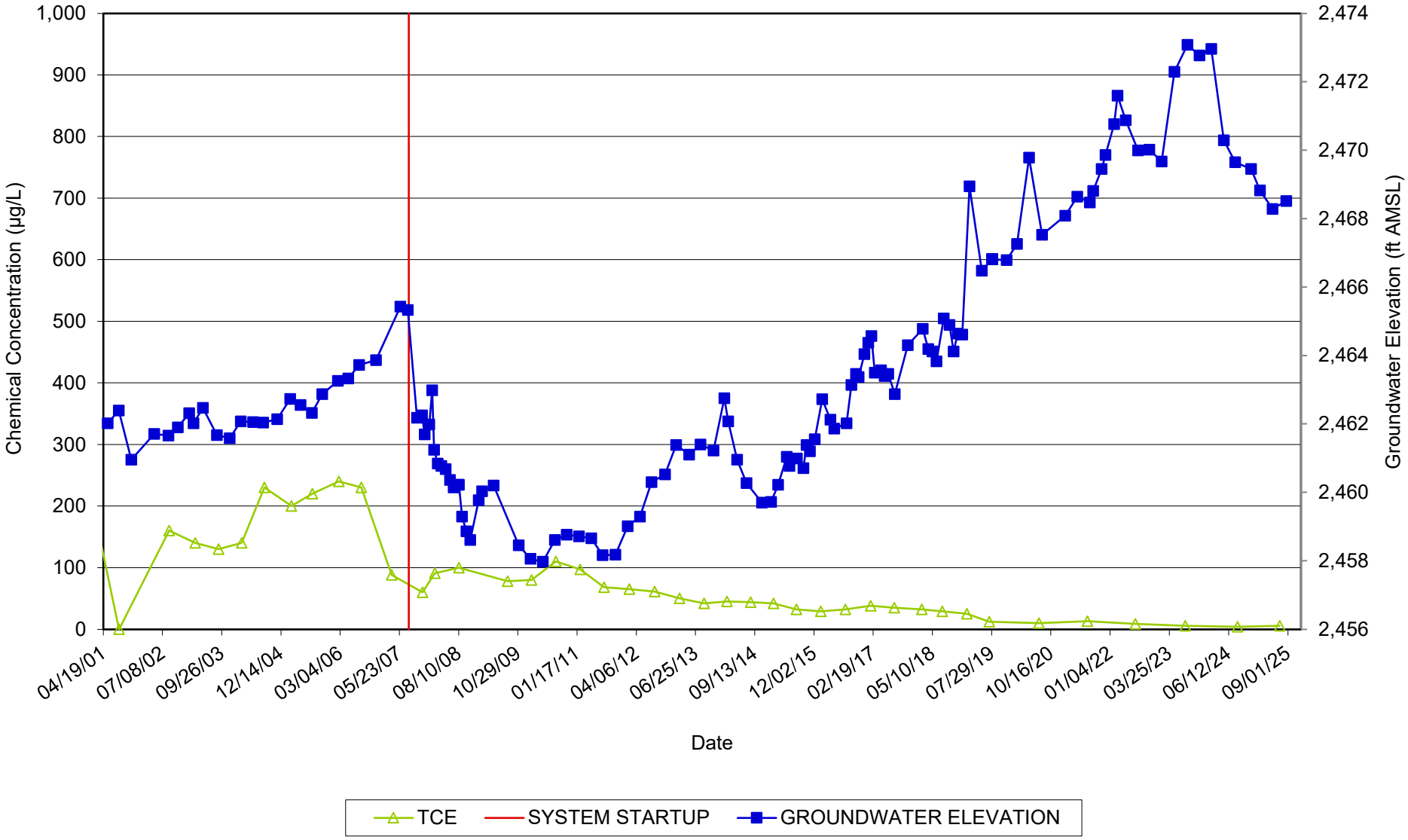
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
GHD-1S



µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
S-1



µg/L - micrograms per liter
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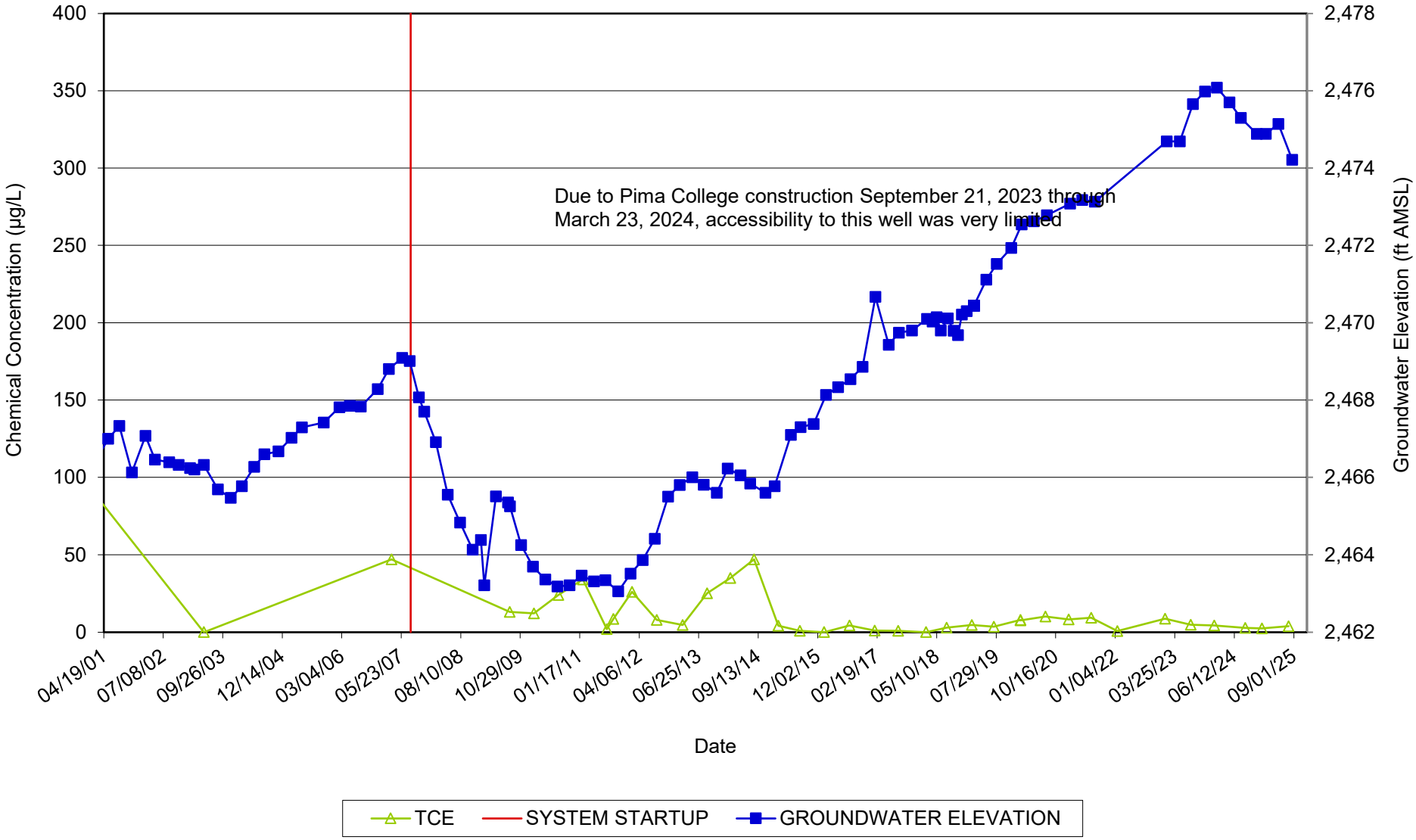
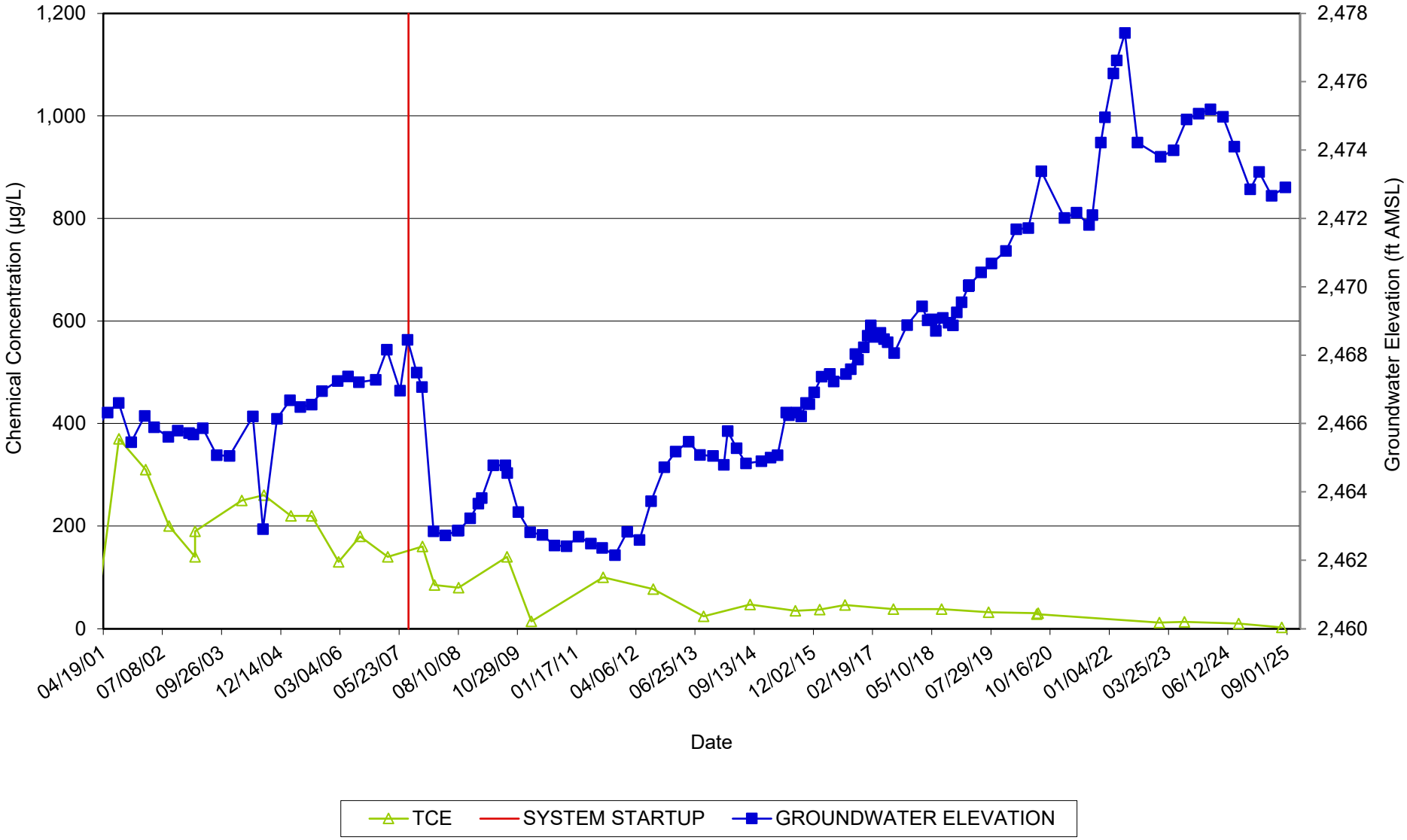
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
S-3



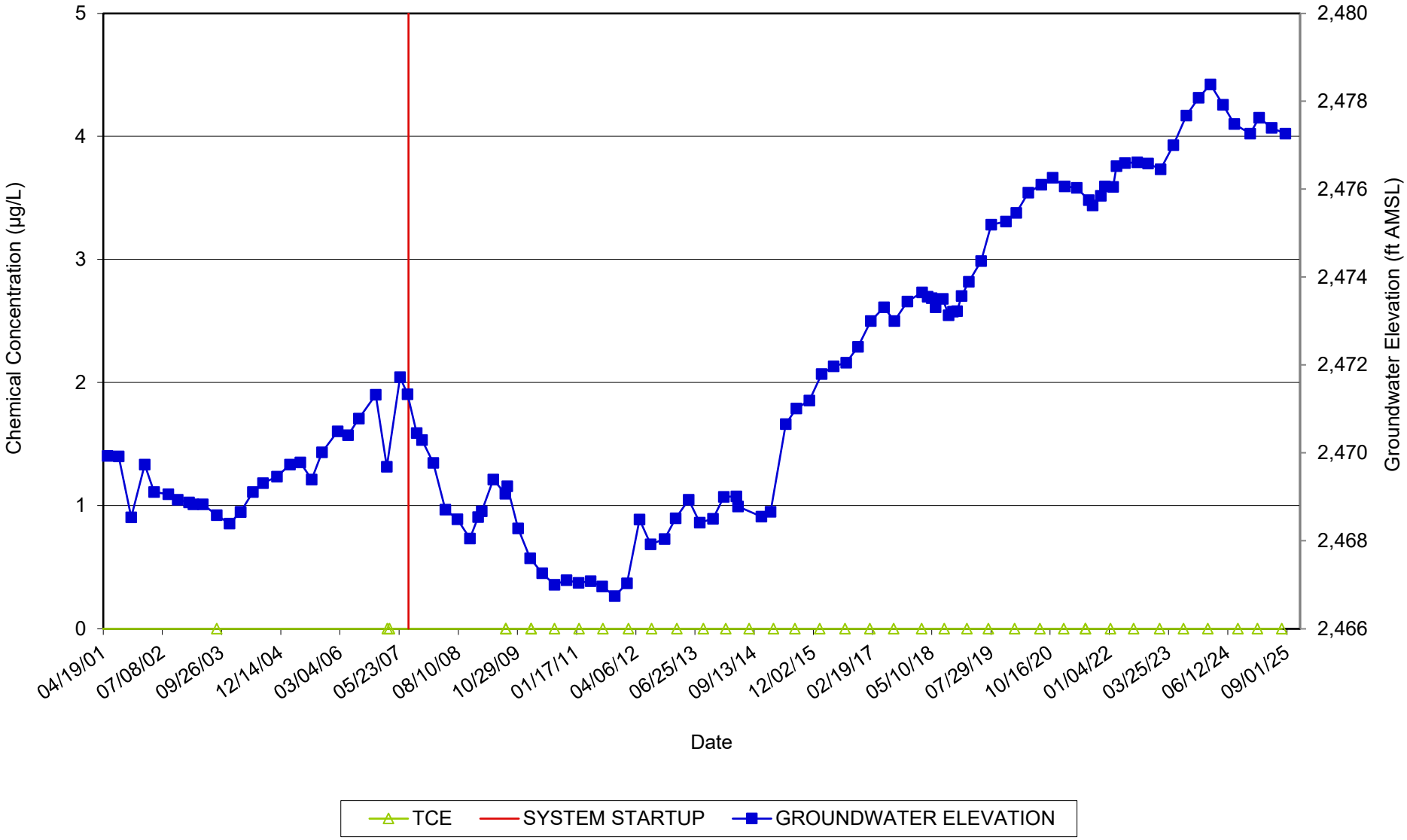
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
S-4



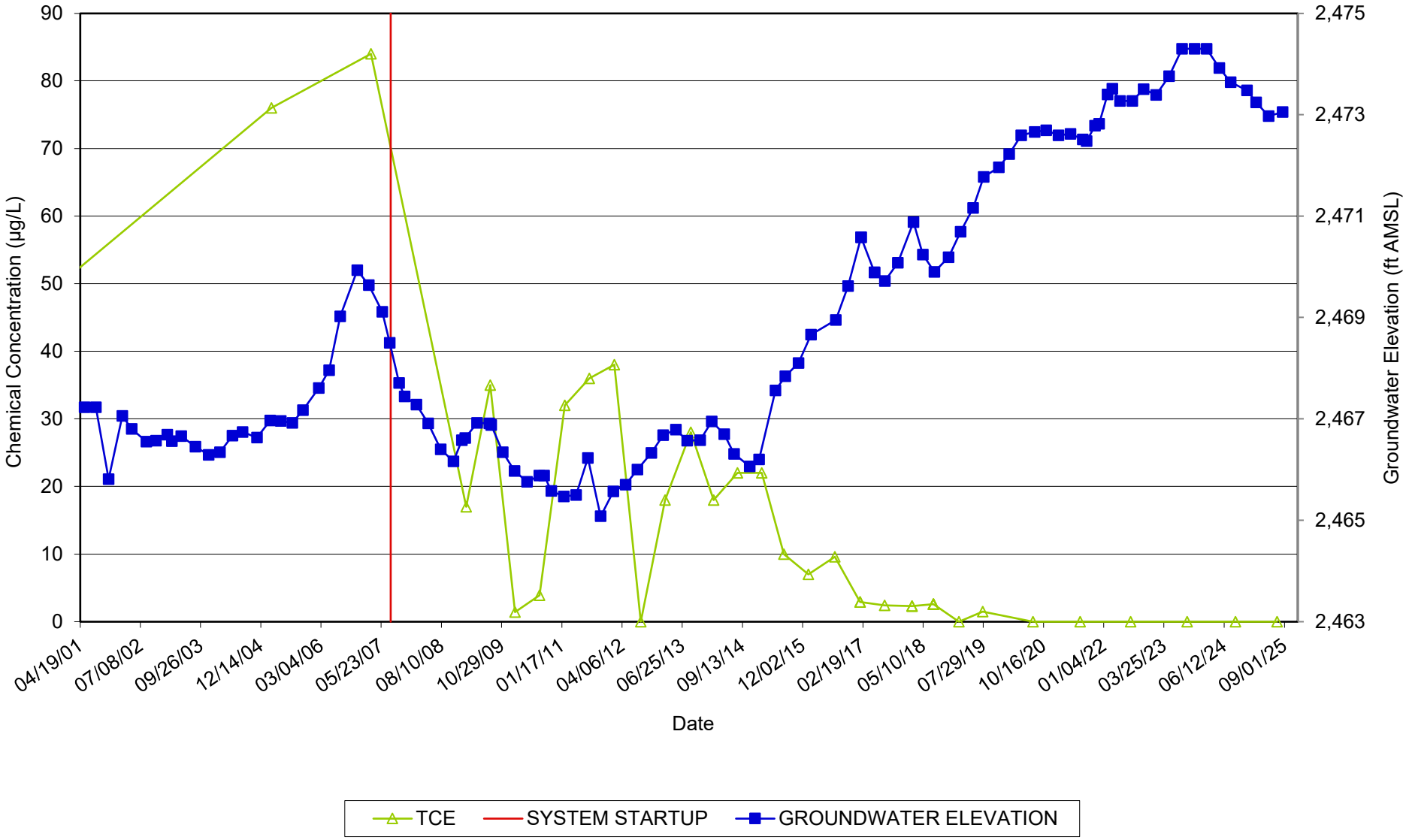
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
S-6



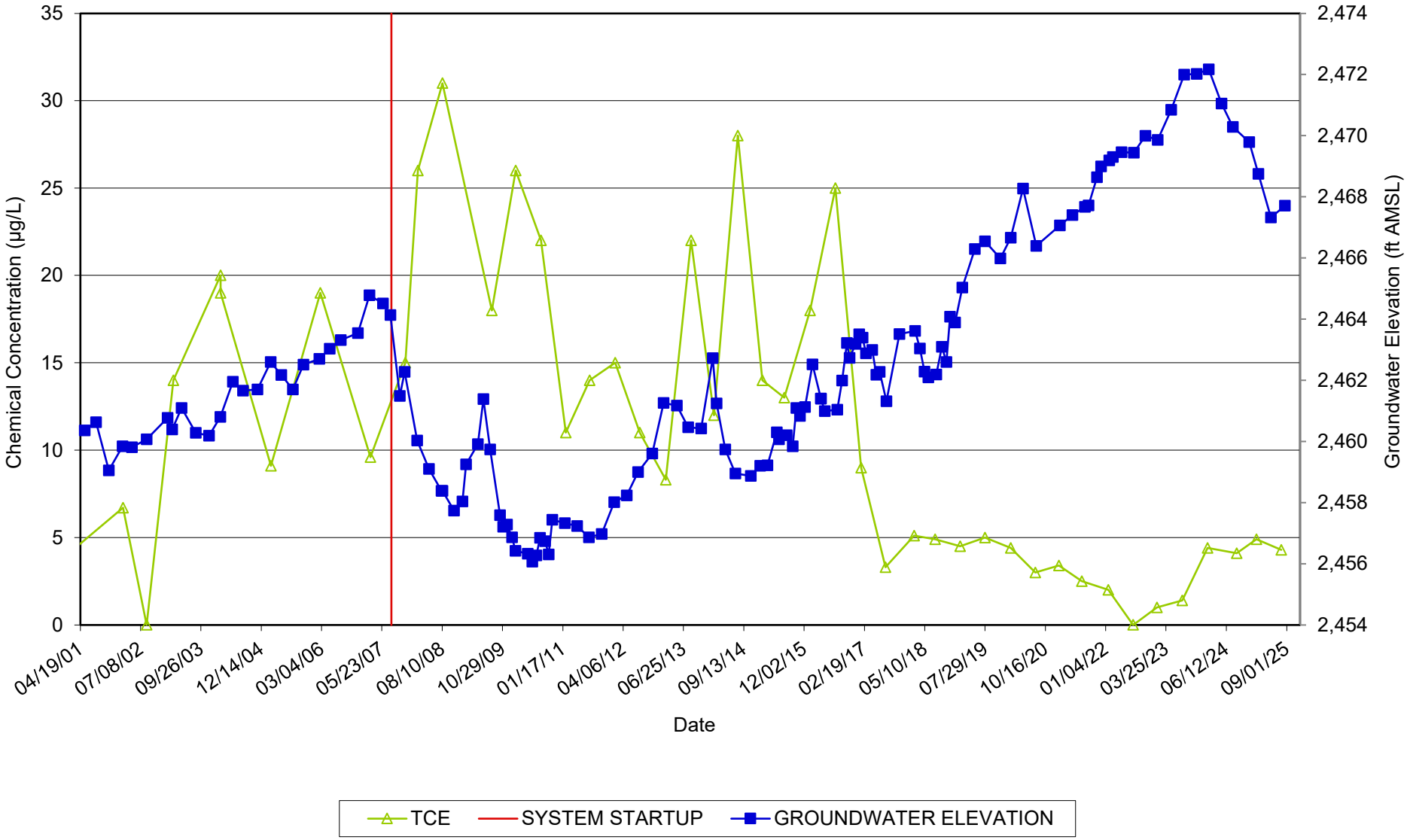
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
S-7



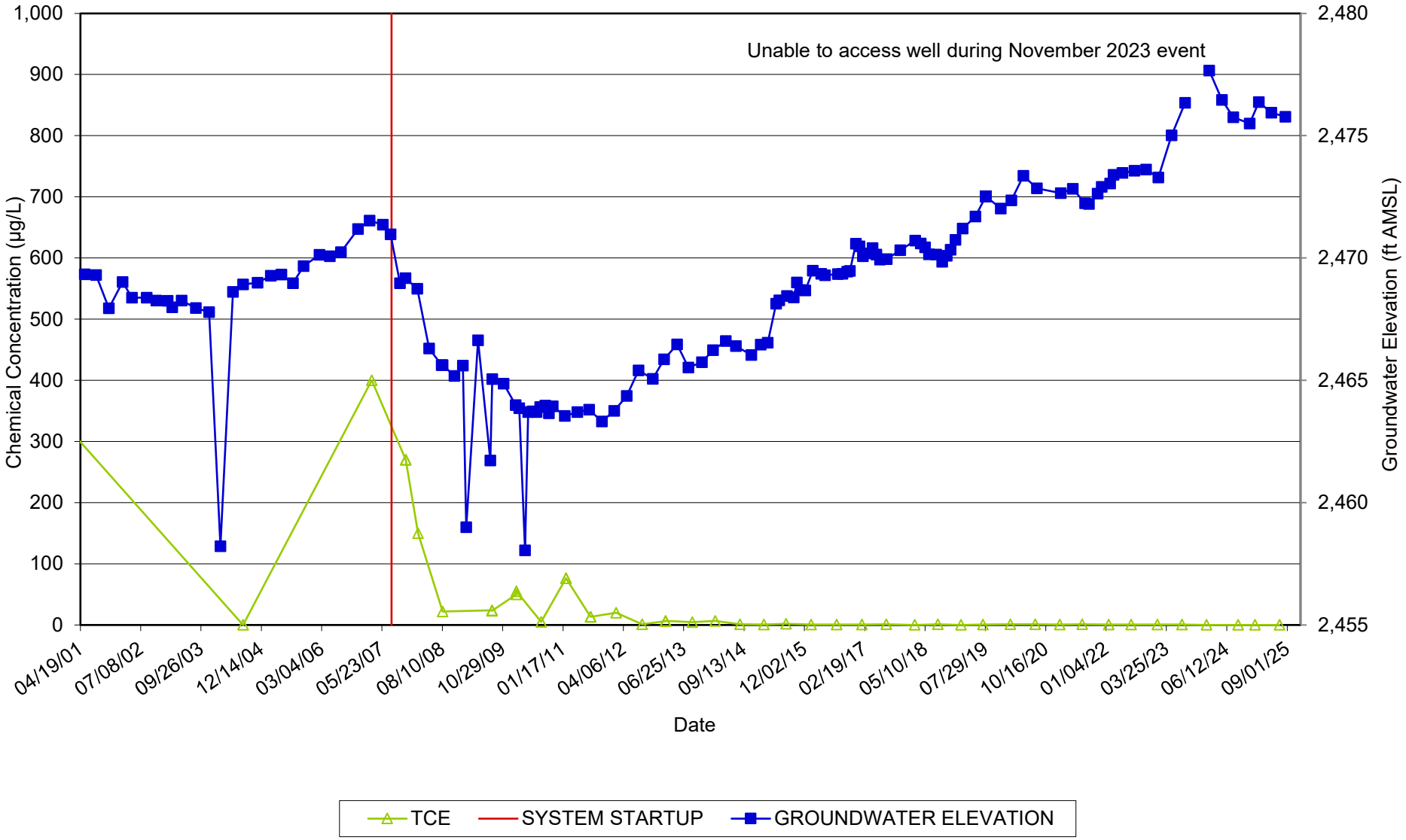
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
S-9



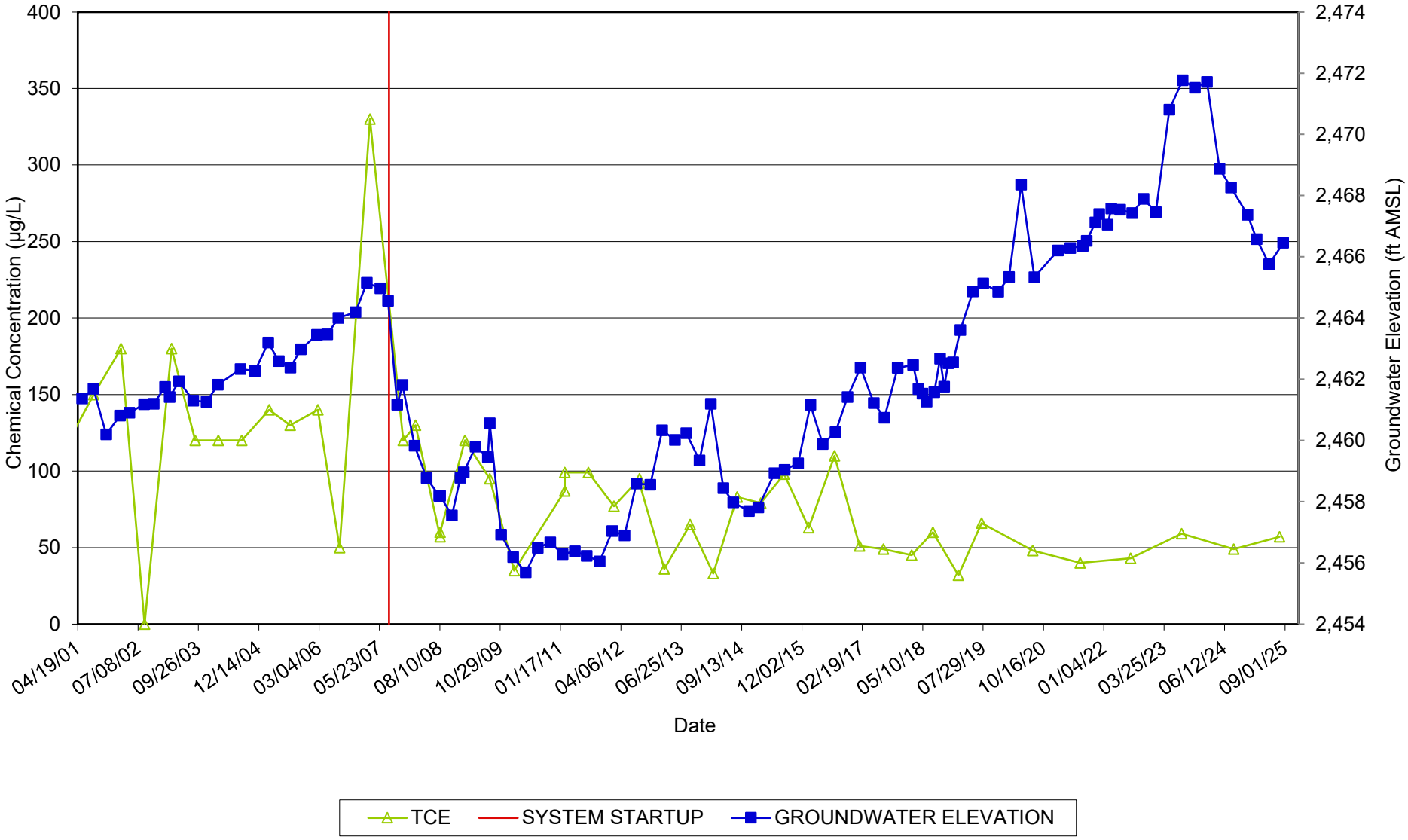
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
S-11



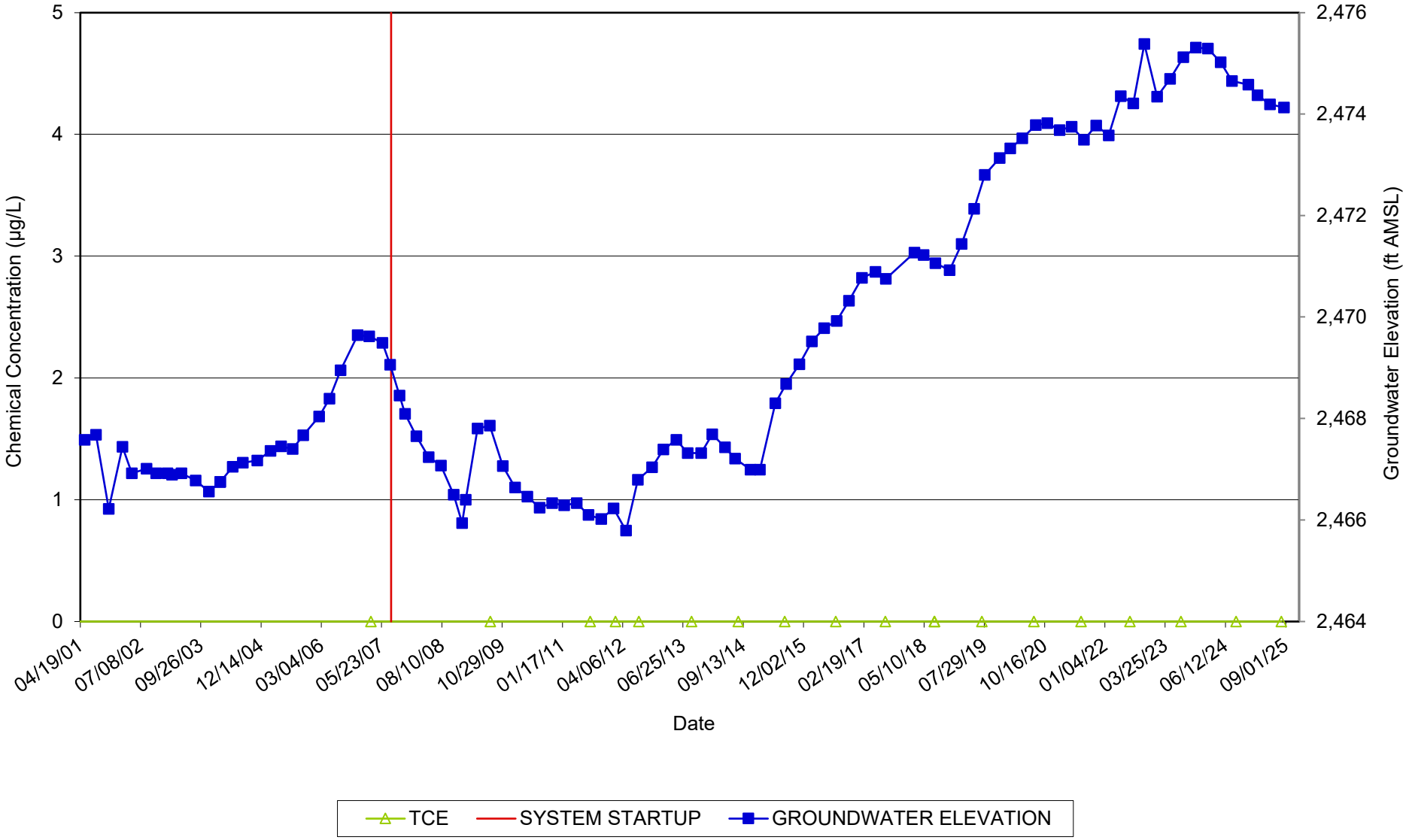
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
S-12



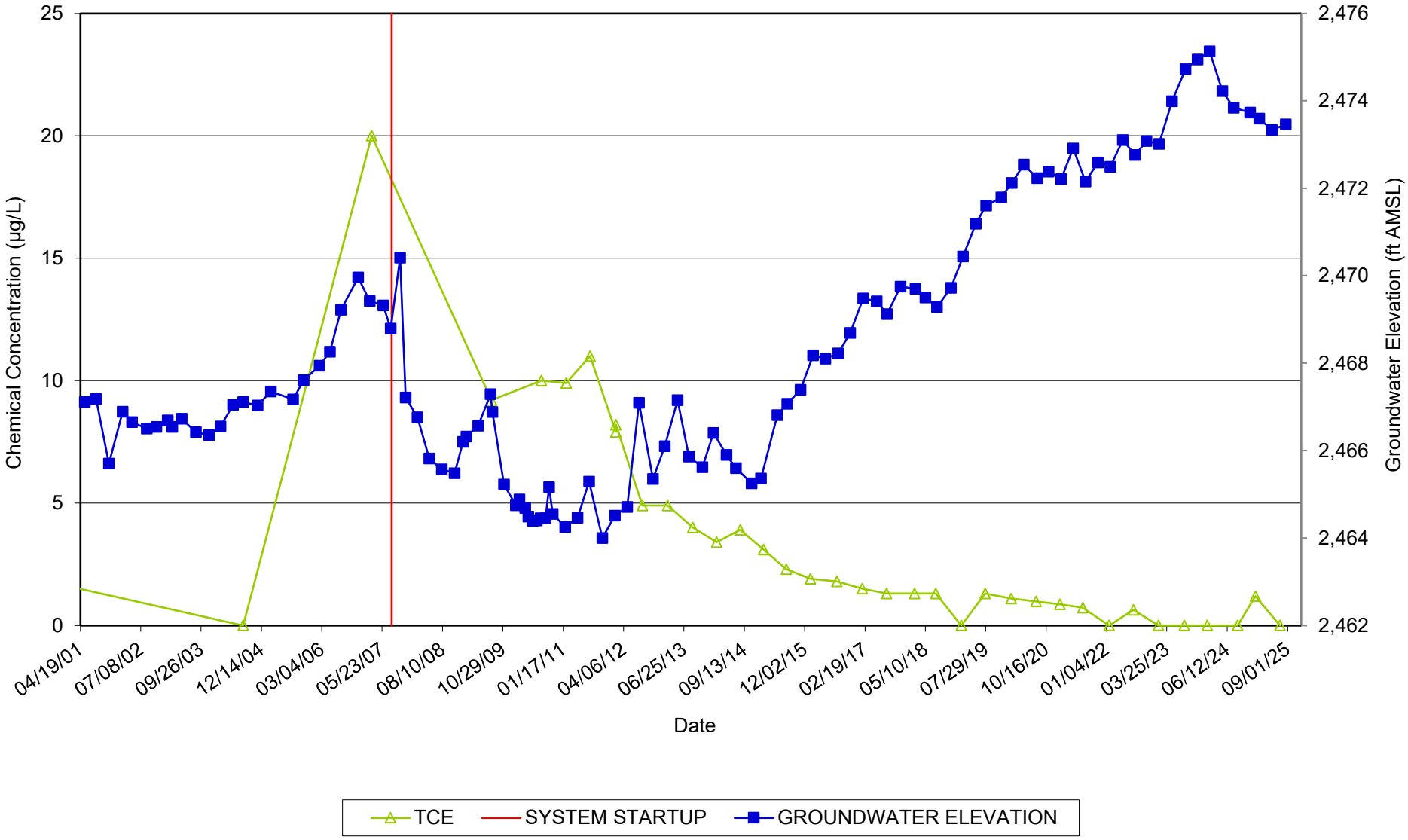
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
S-13



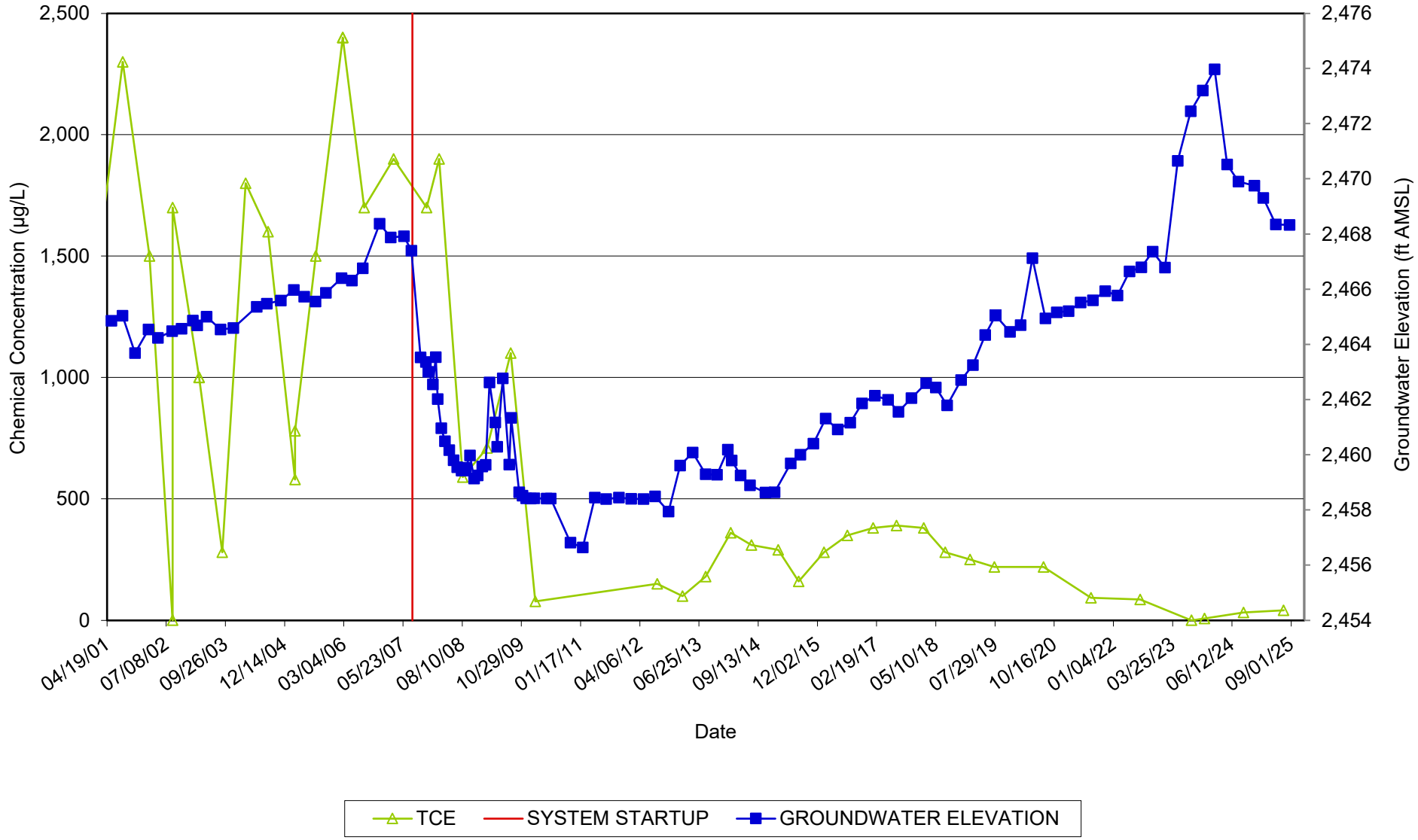
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
S-14



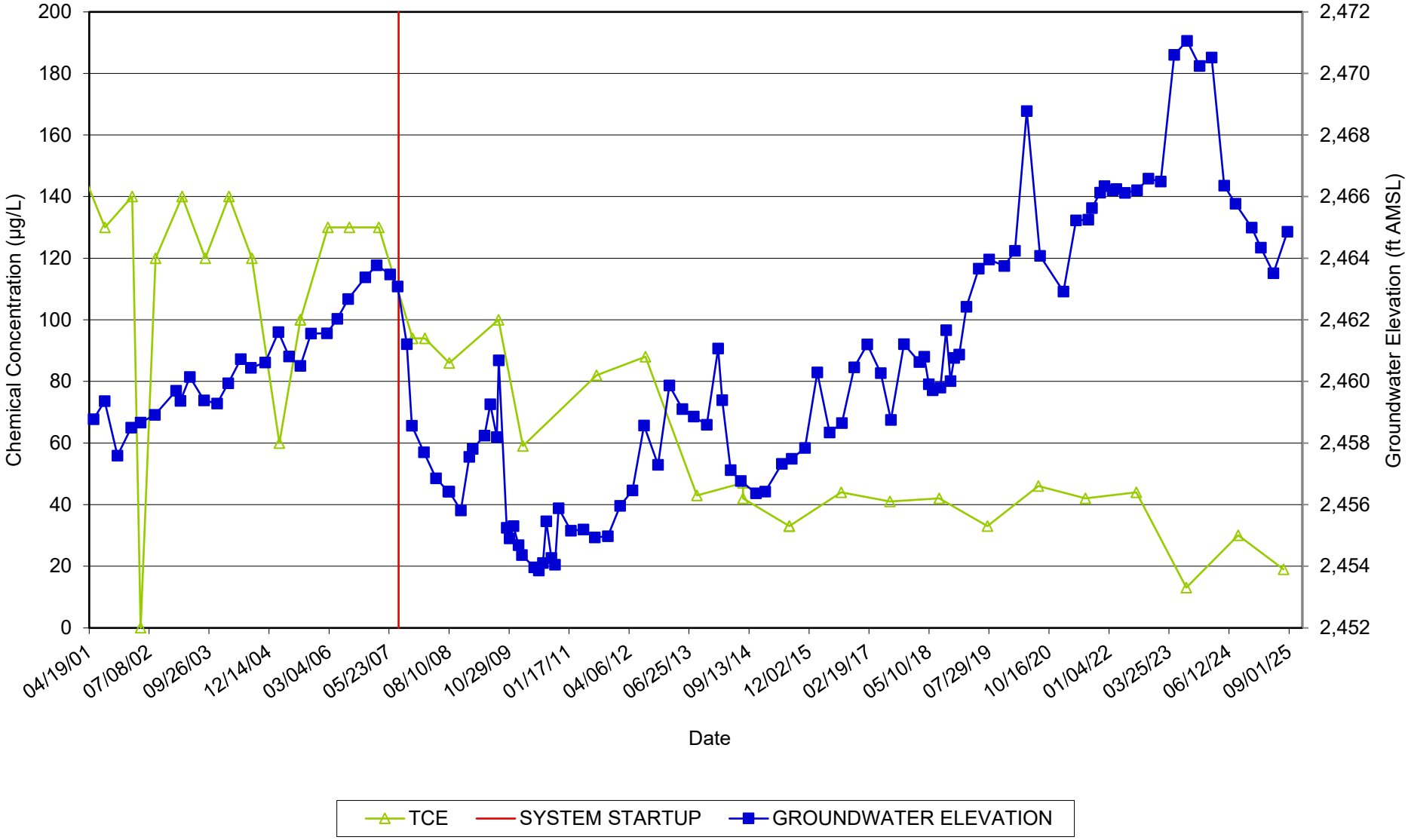
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
S-16



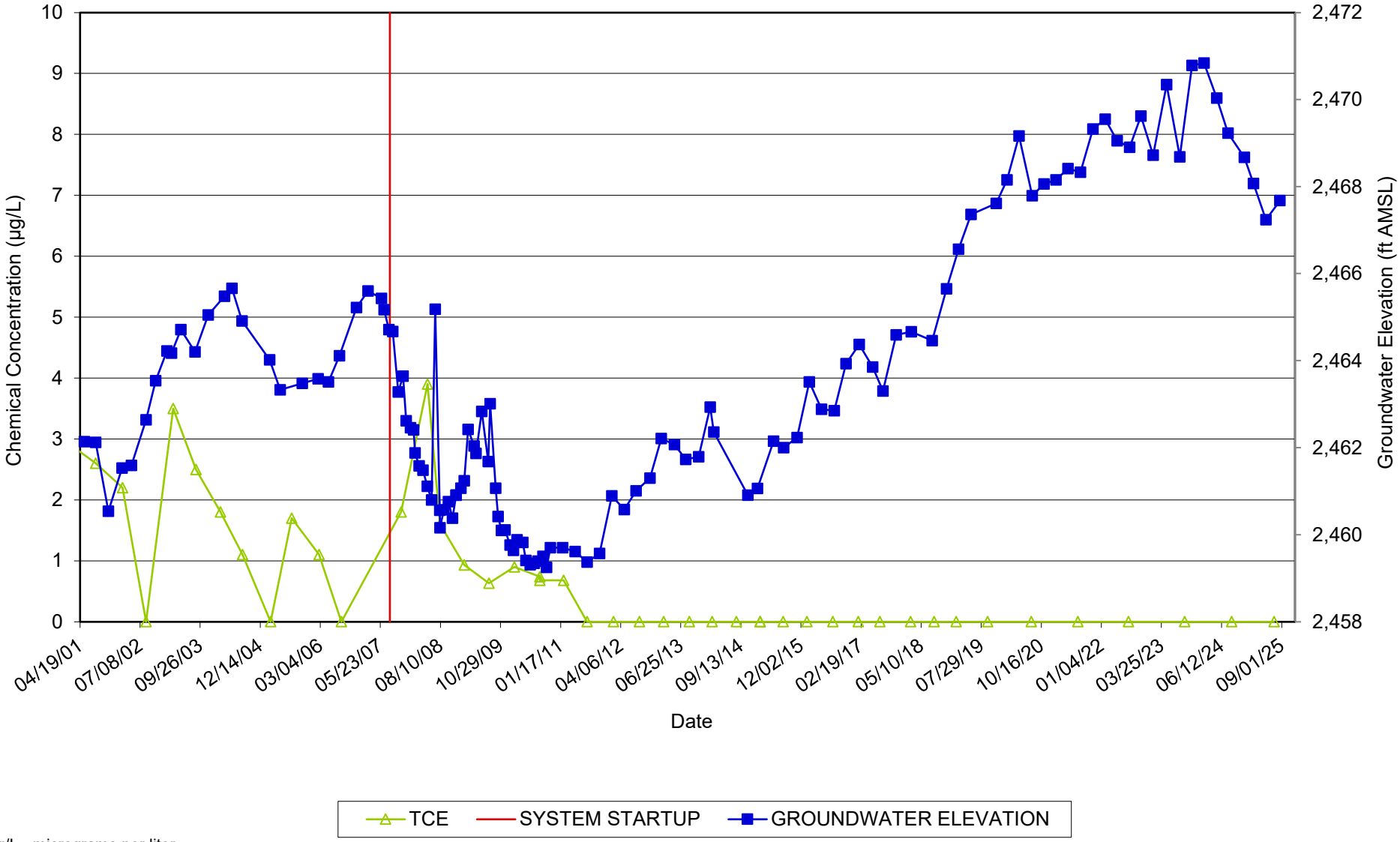
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
S-18



µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
S-19



µg/L - micrograms per liter
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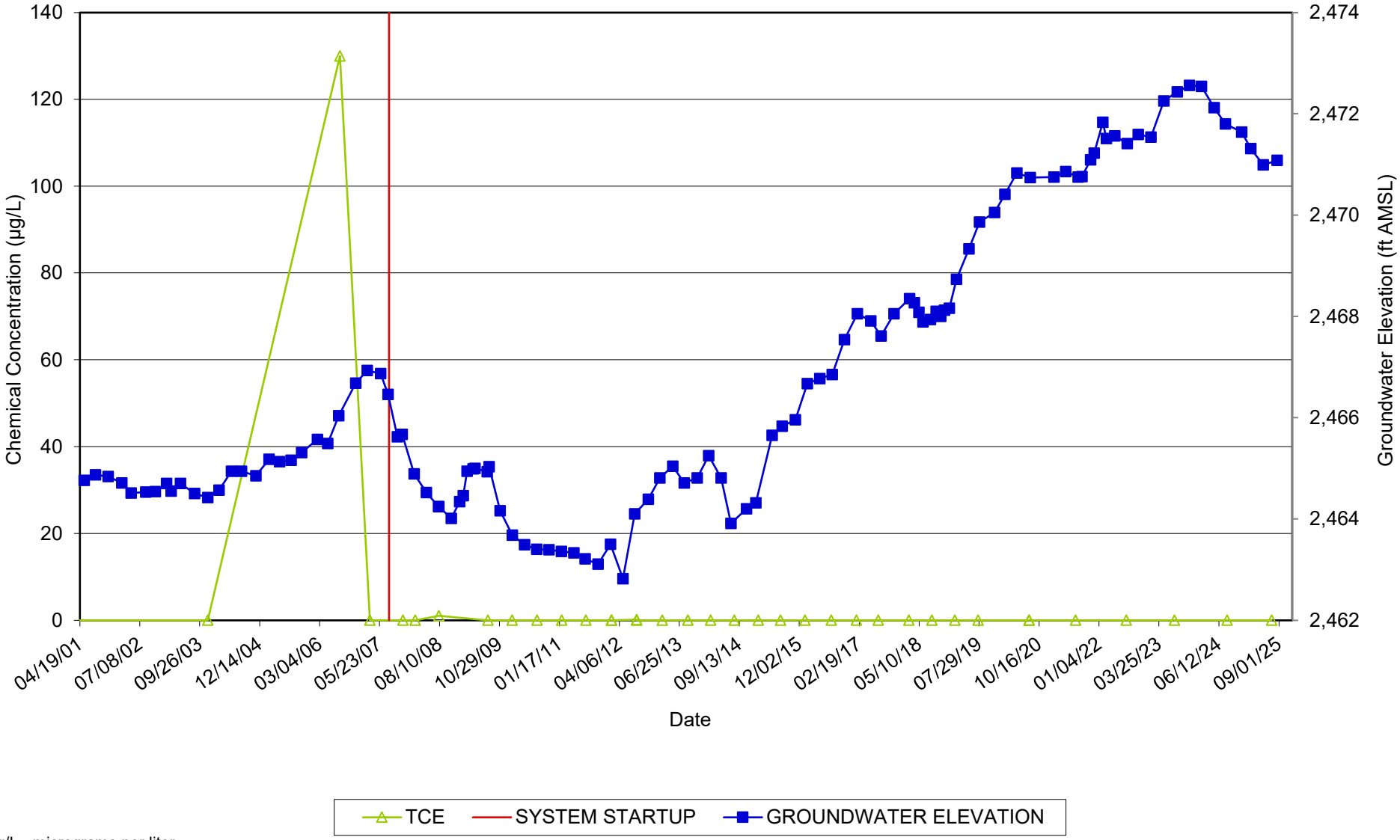
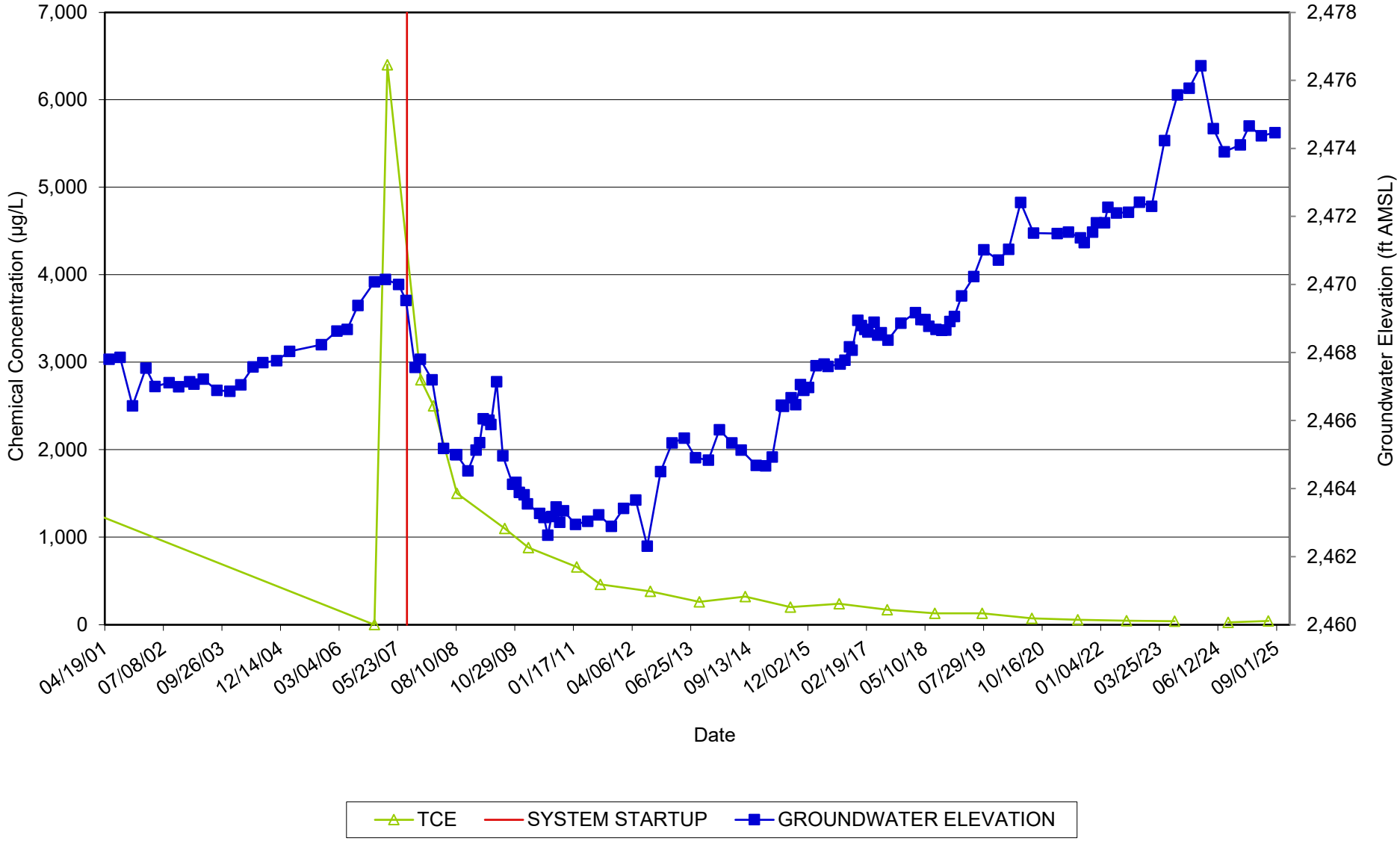
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
S-20



µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
S-27



µg/L - micrograms per liter
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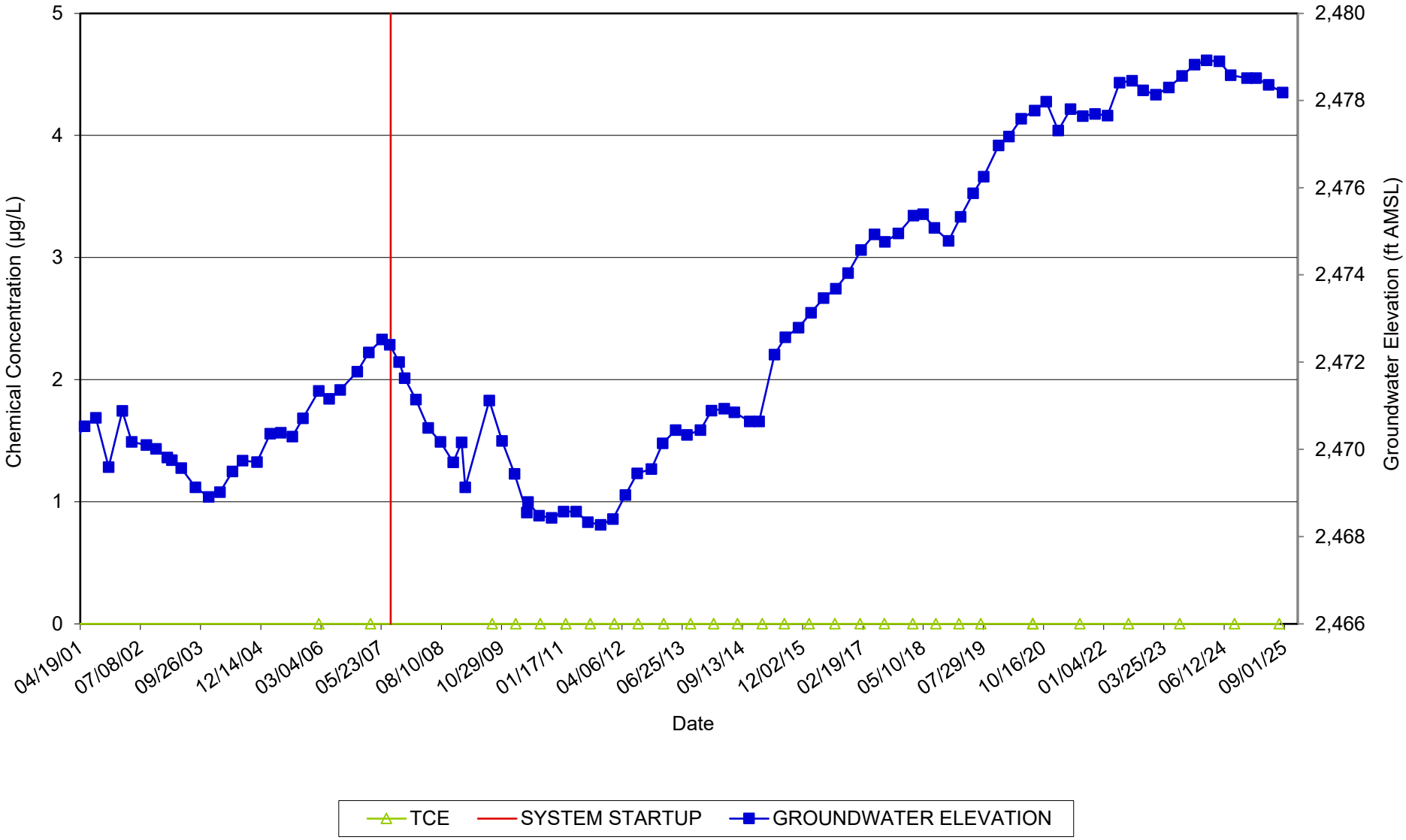
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
S-28



µg/L - micrograms per liter
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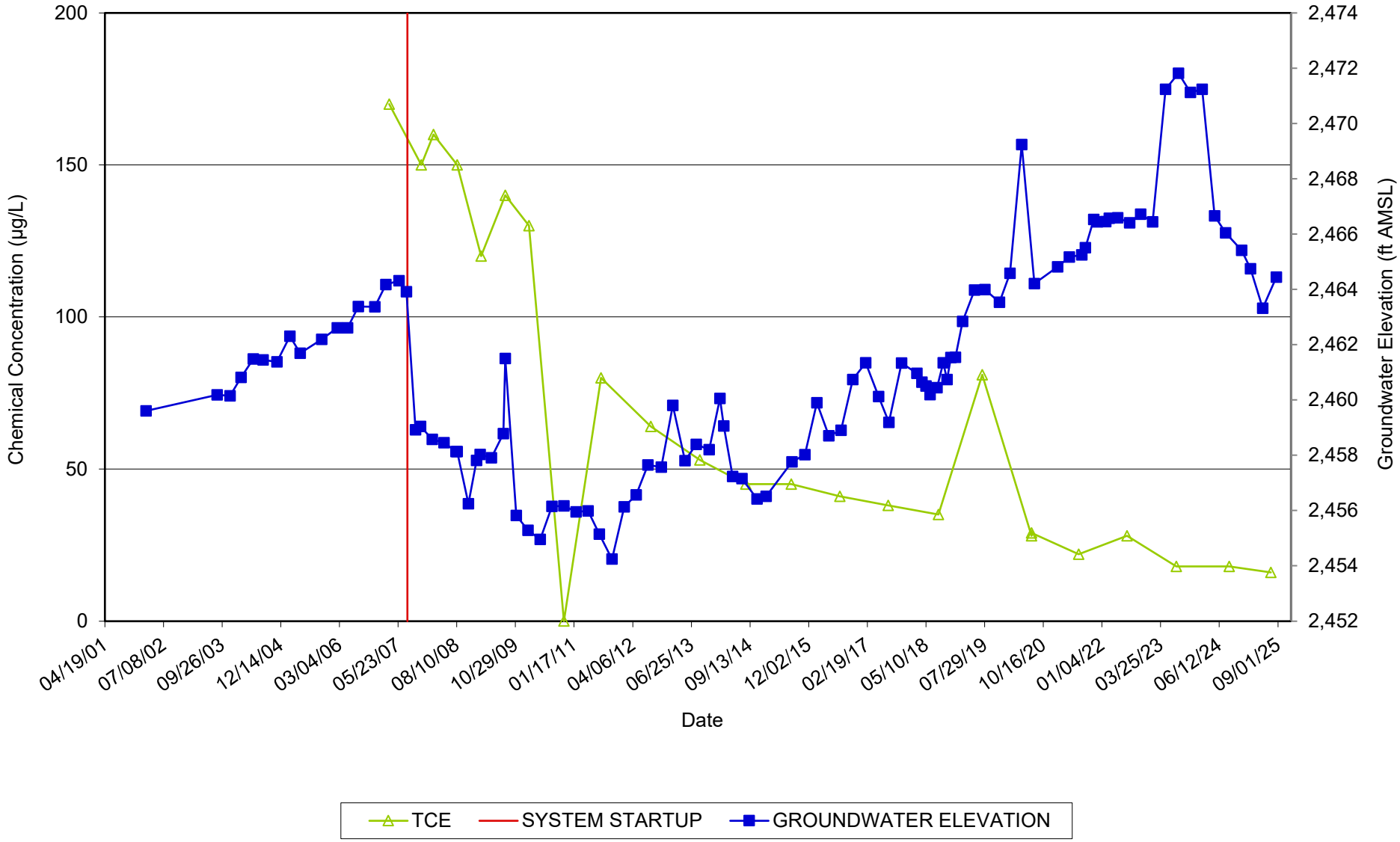
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
CRA-8



µg/L - micrograms per liter
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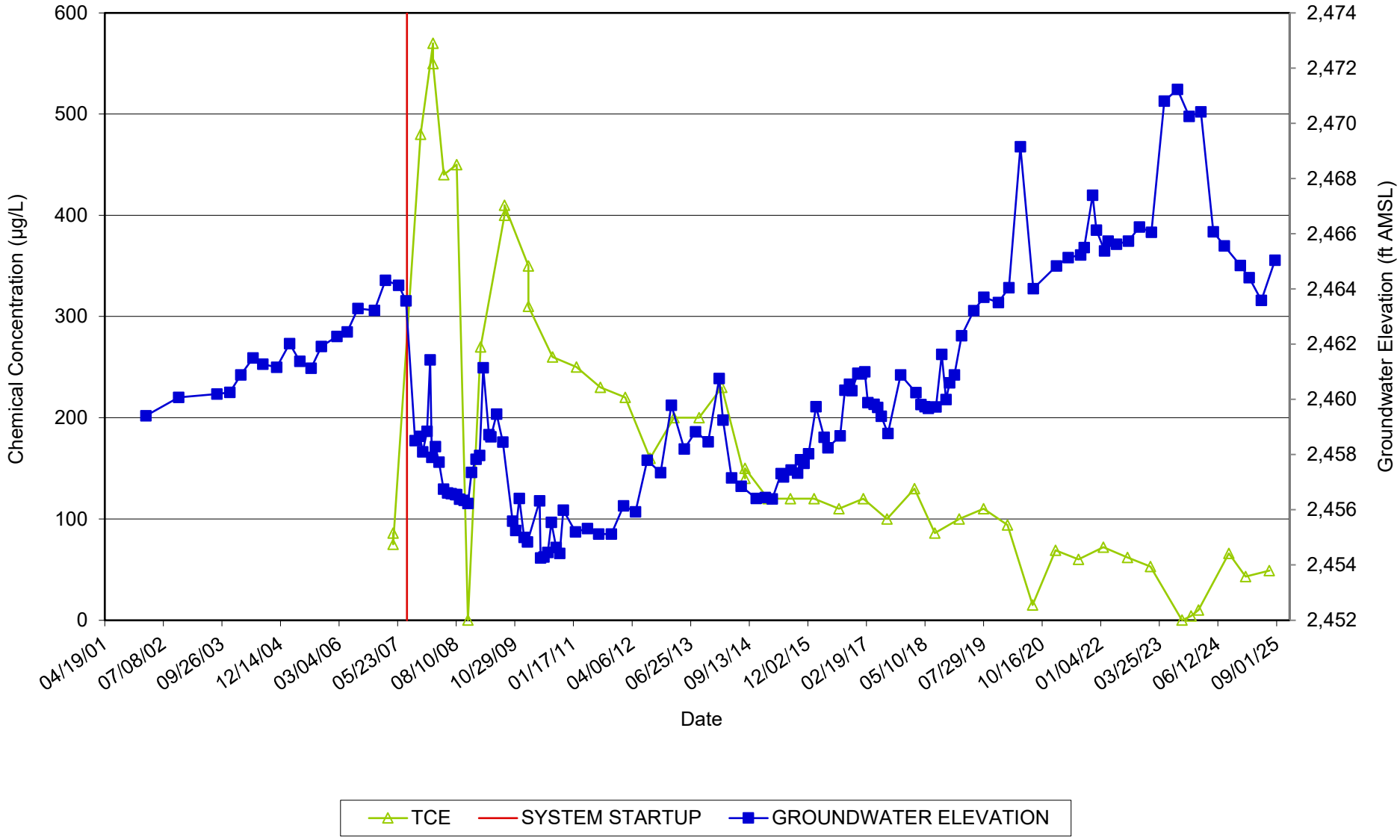
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
CRA-9



µg/L - micrograms per liter
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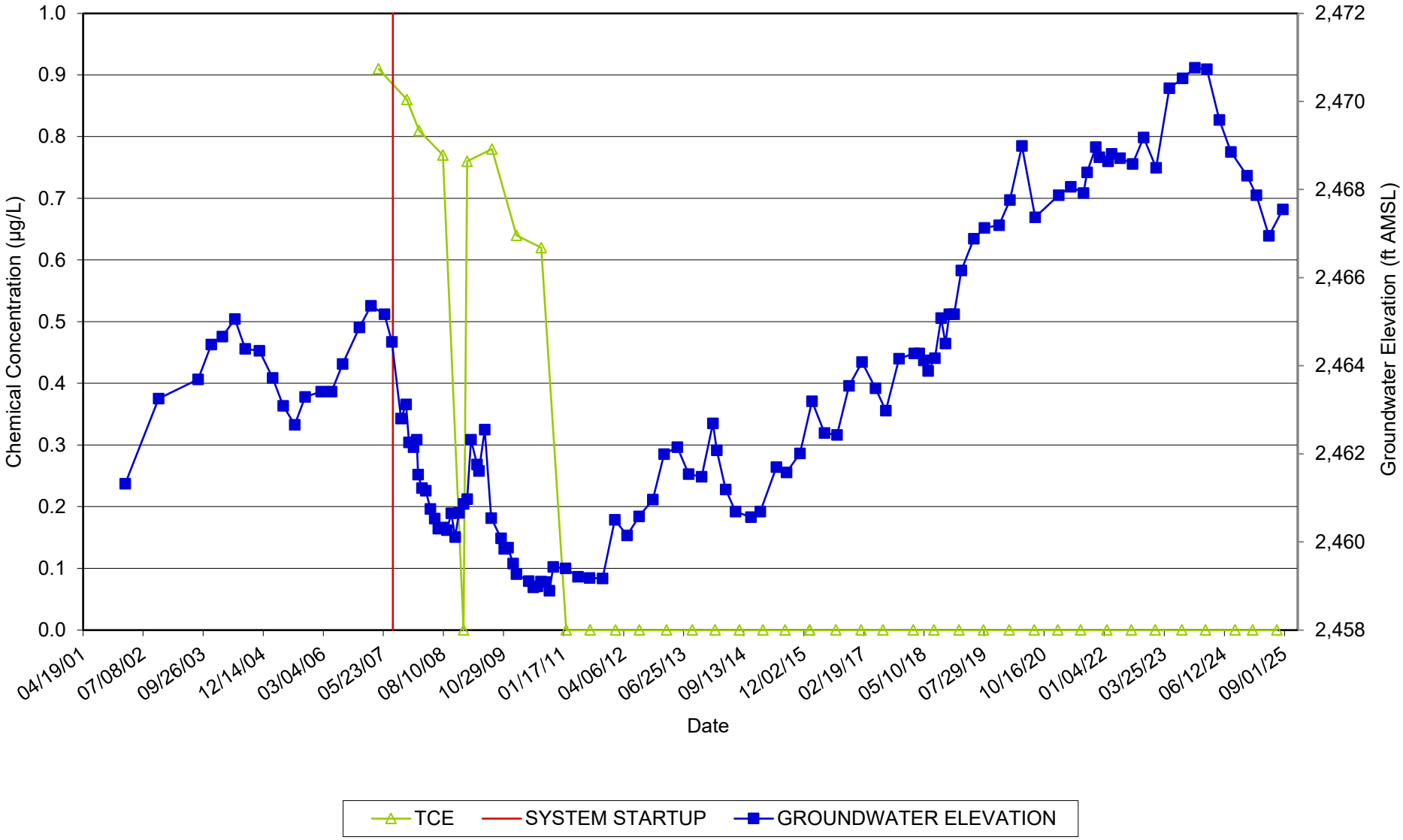
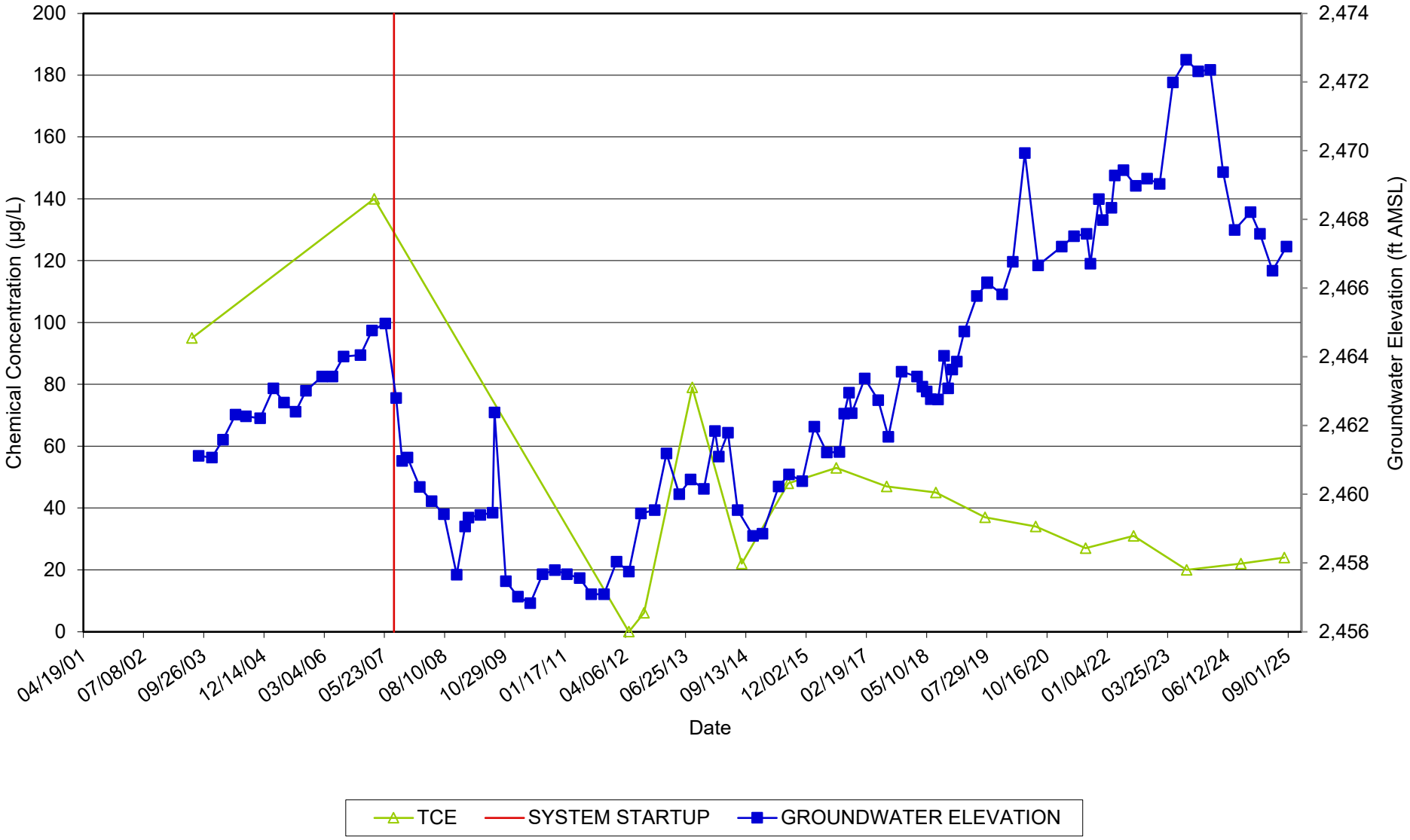
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
CRA-10



µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
CRA-11



µg/L - micrograms per liter
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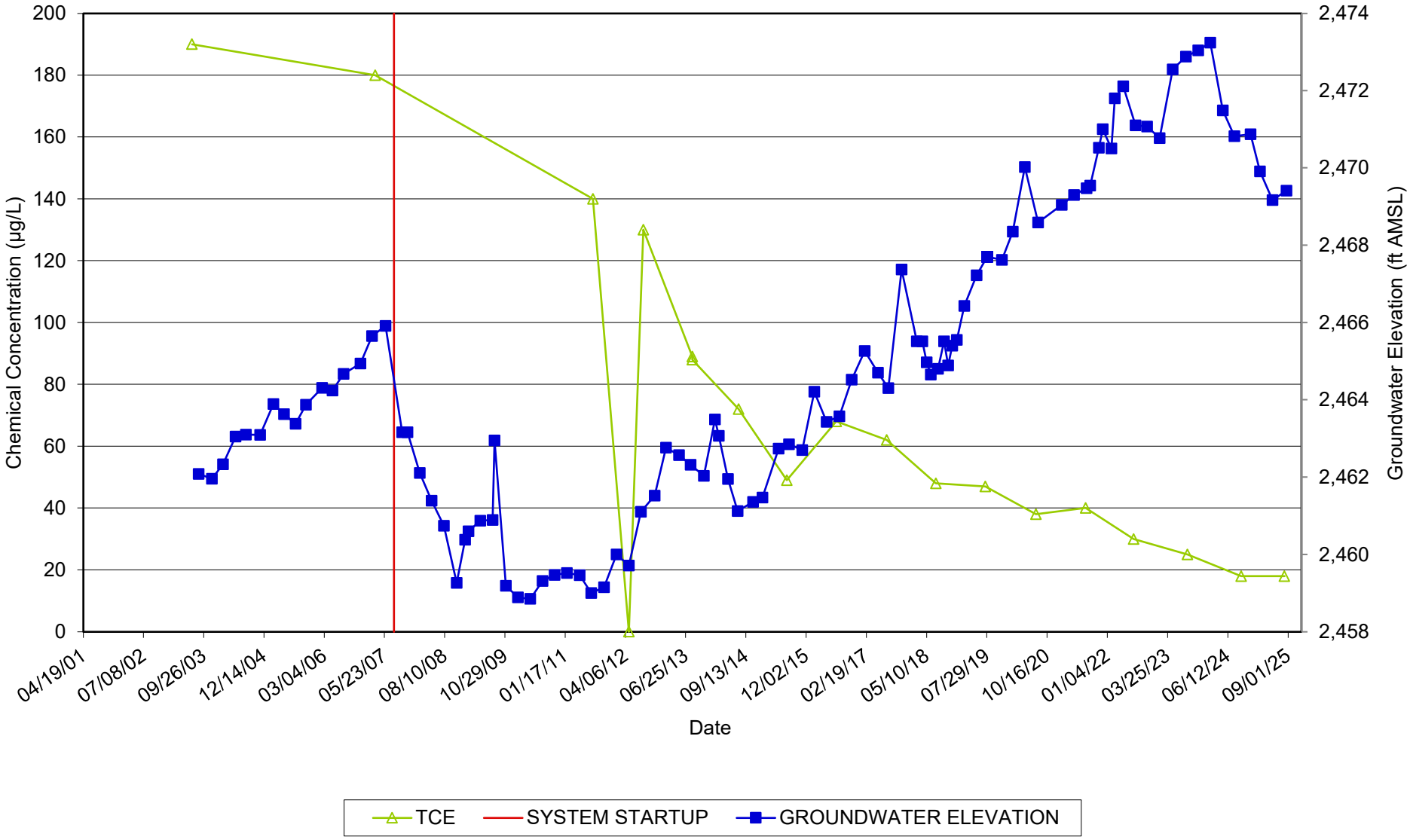
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
CRA-12



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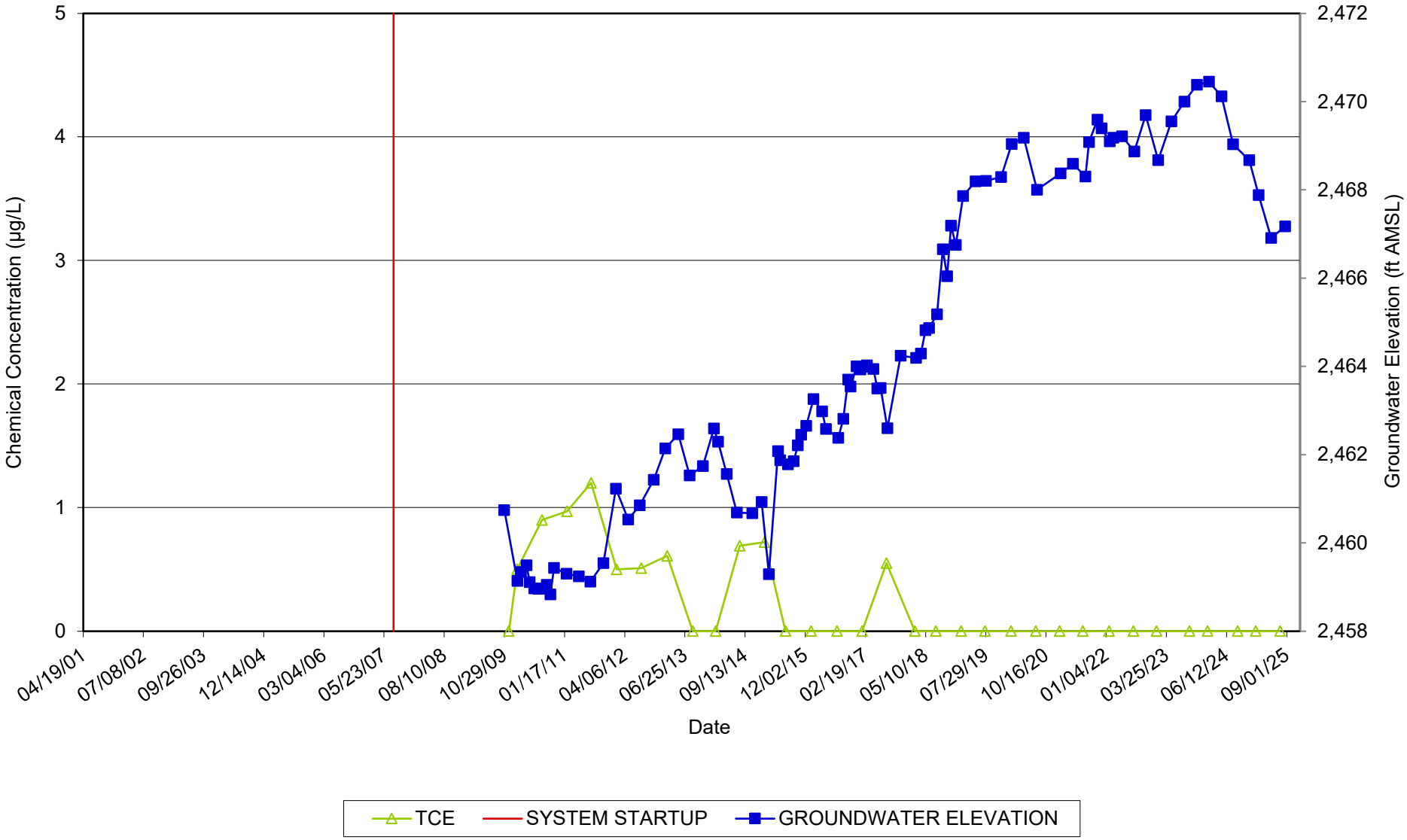
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
CRA-31D



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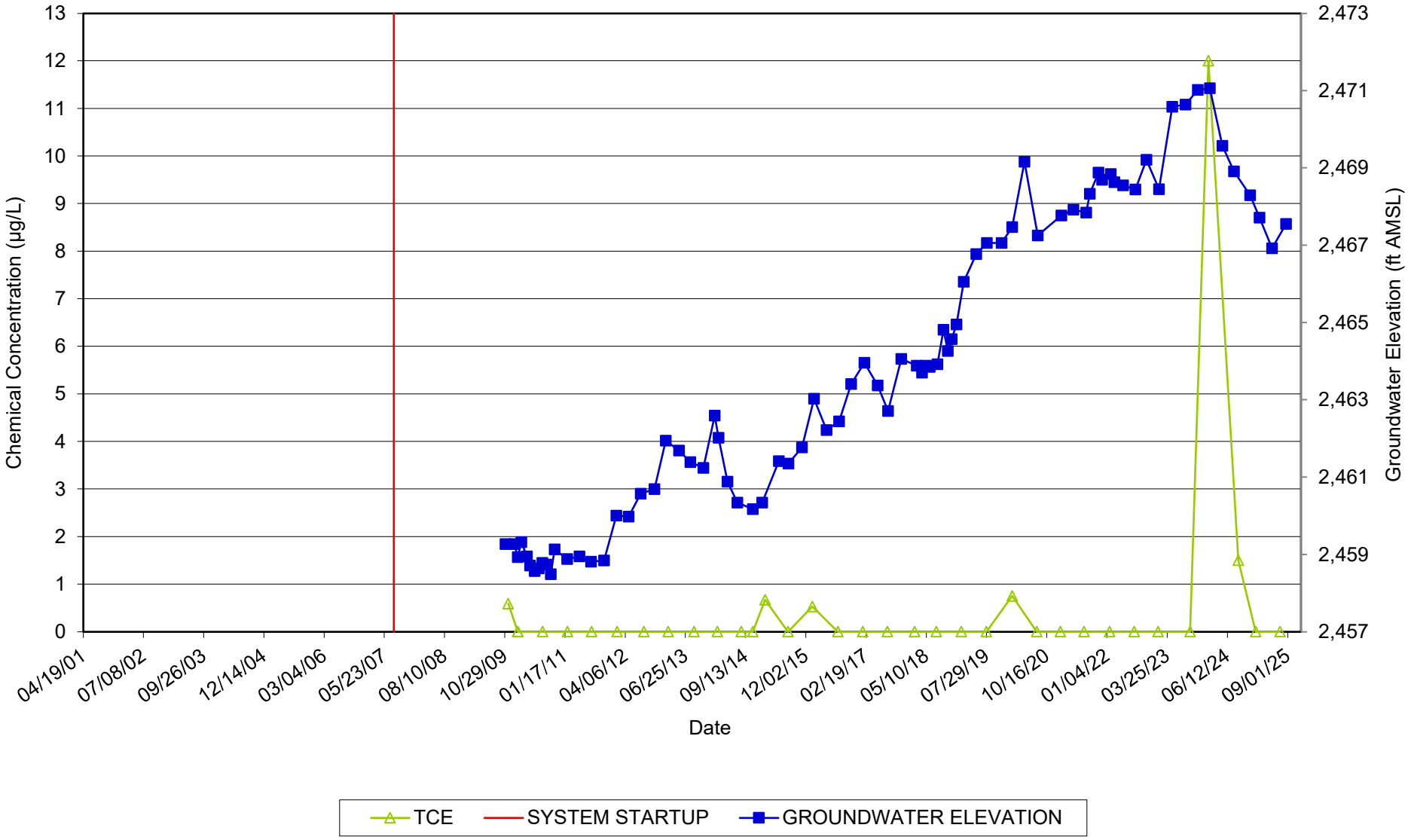
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
CRA-34D



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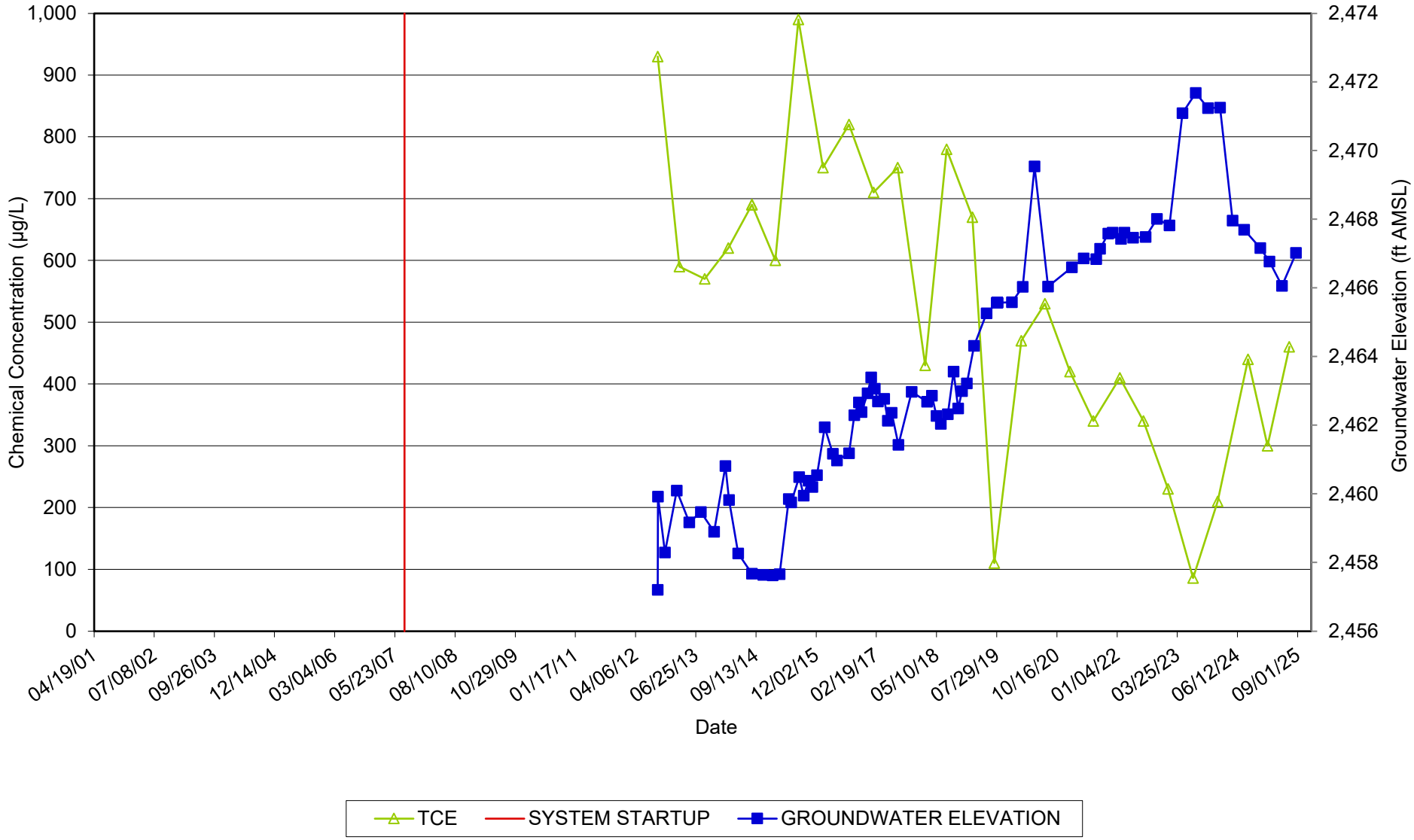
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
CRA-52D



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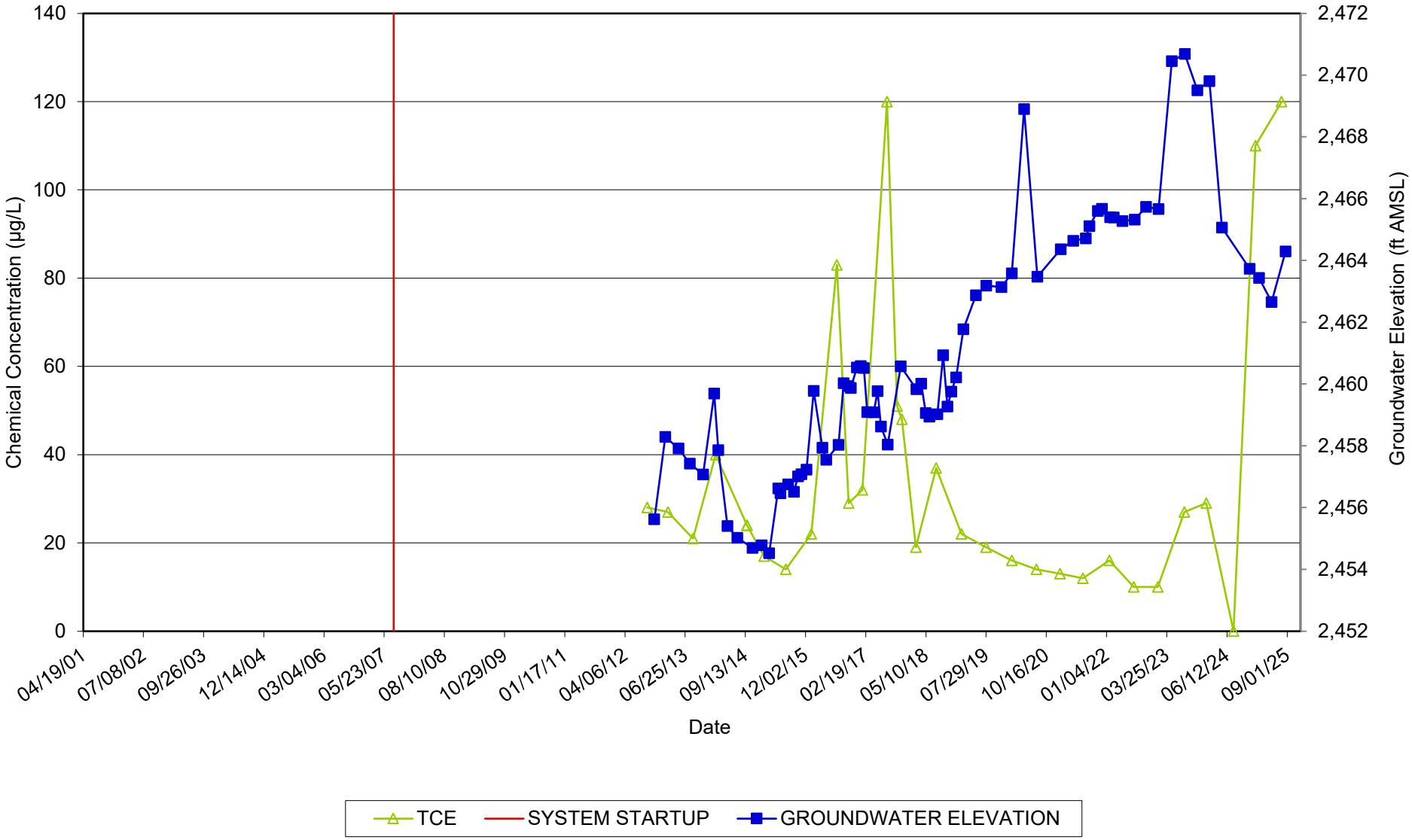
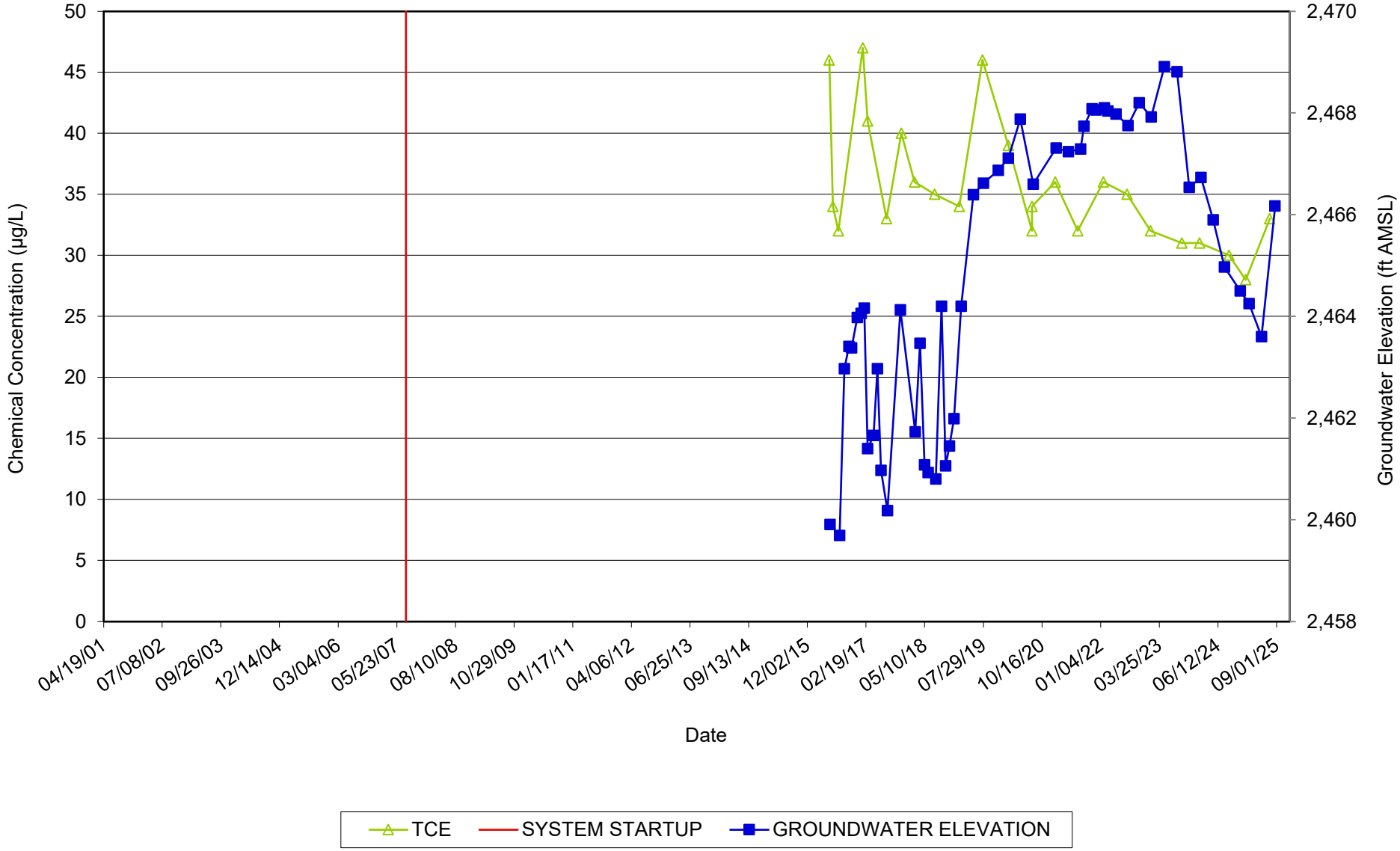
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
CRA-57D



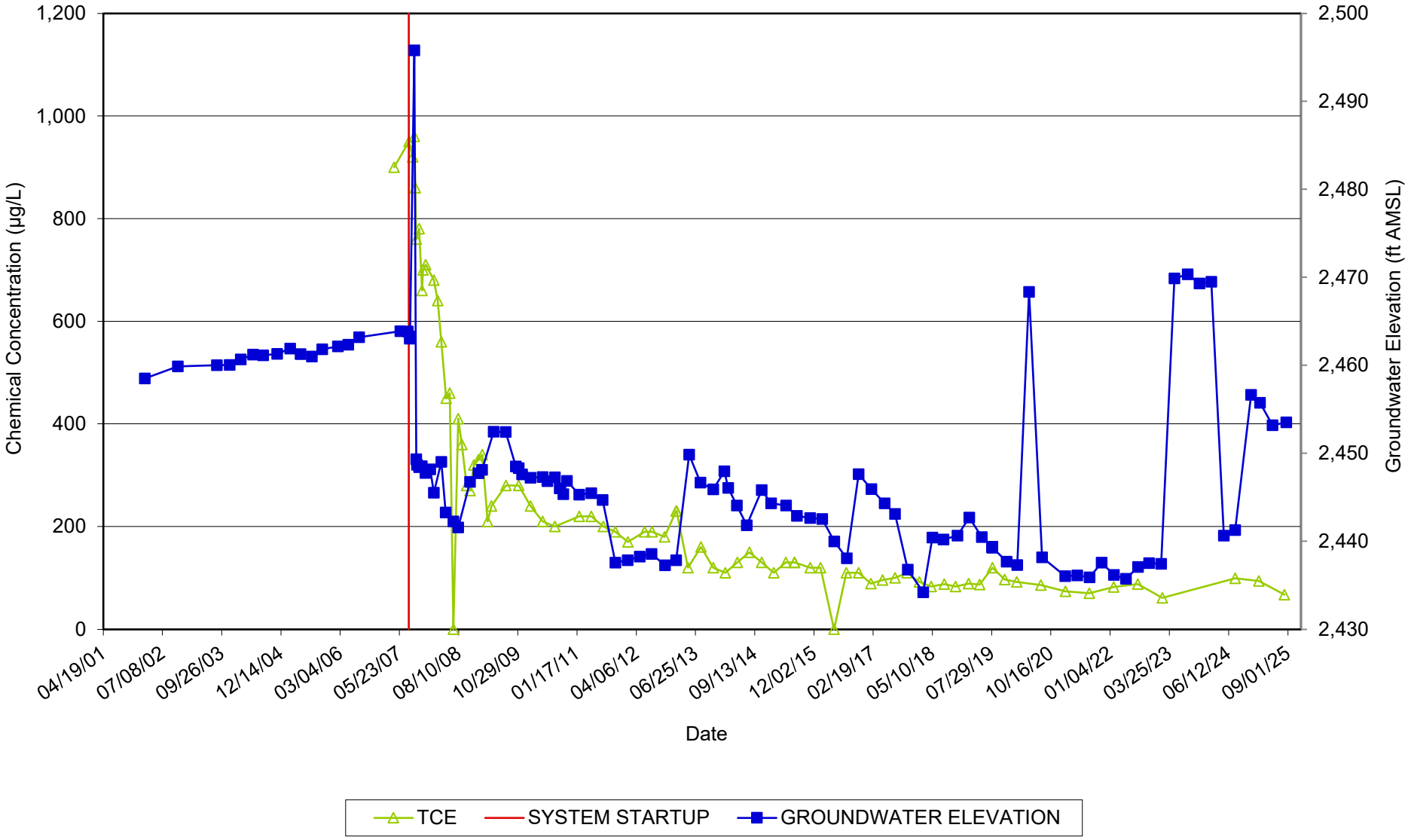
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
CRA-67D



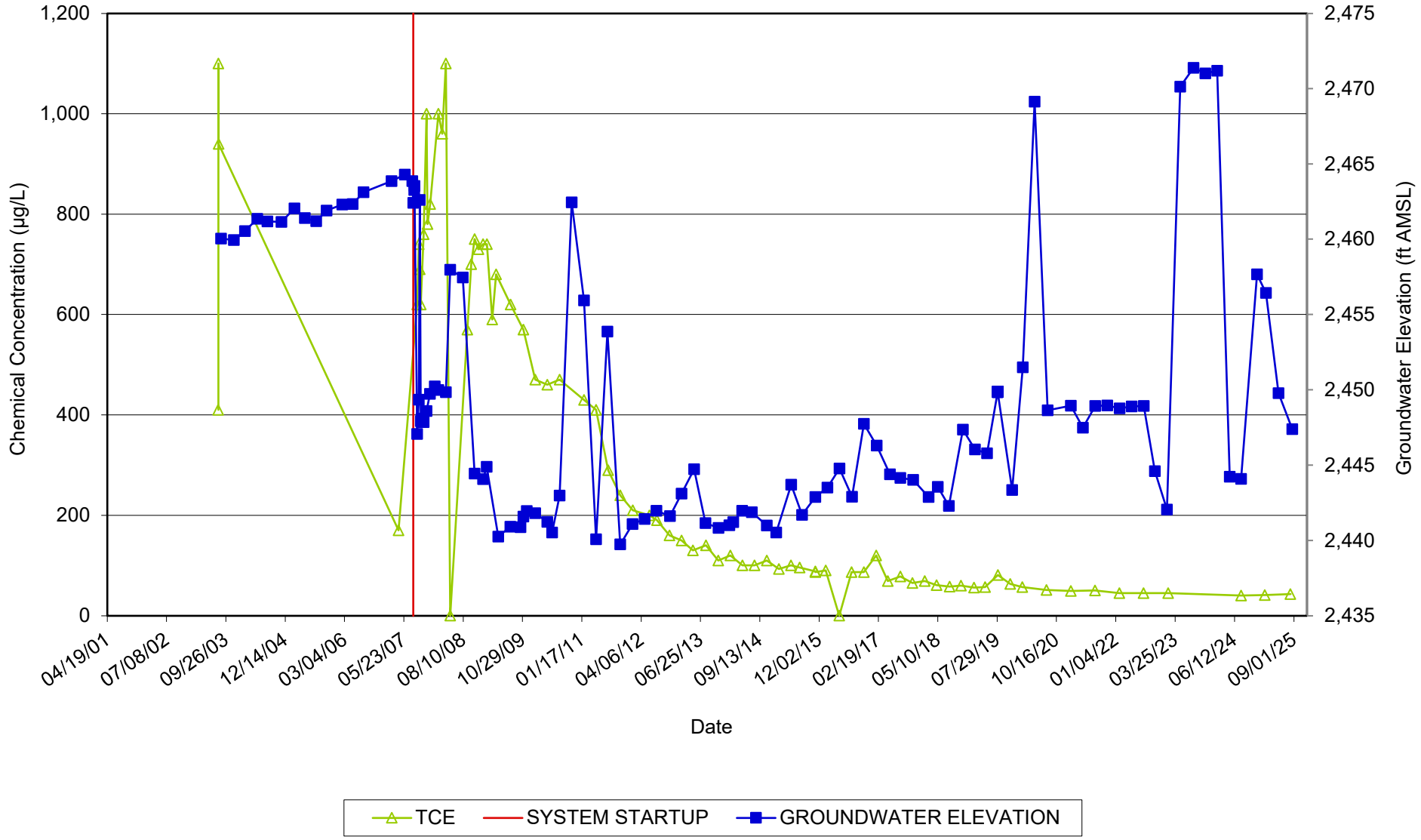
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
EW-1



µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
EW-2R



µg/L - micrograms per liter
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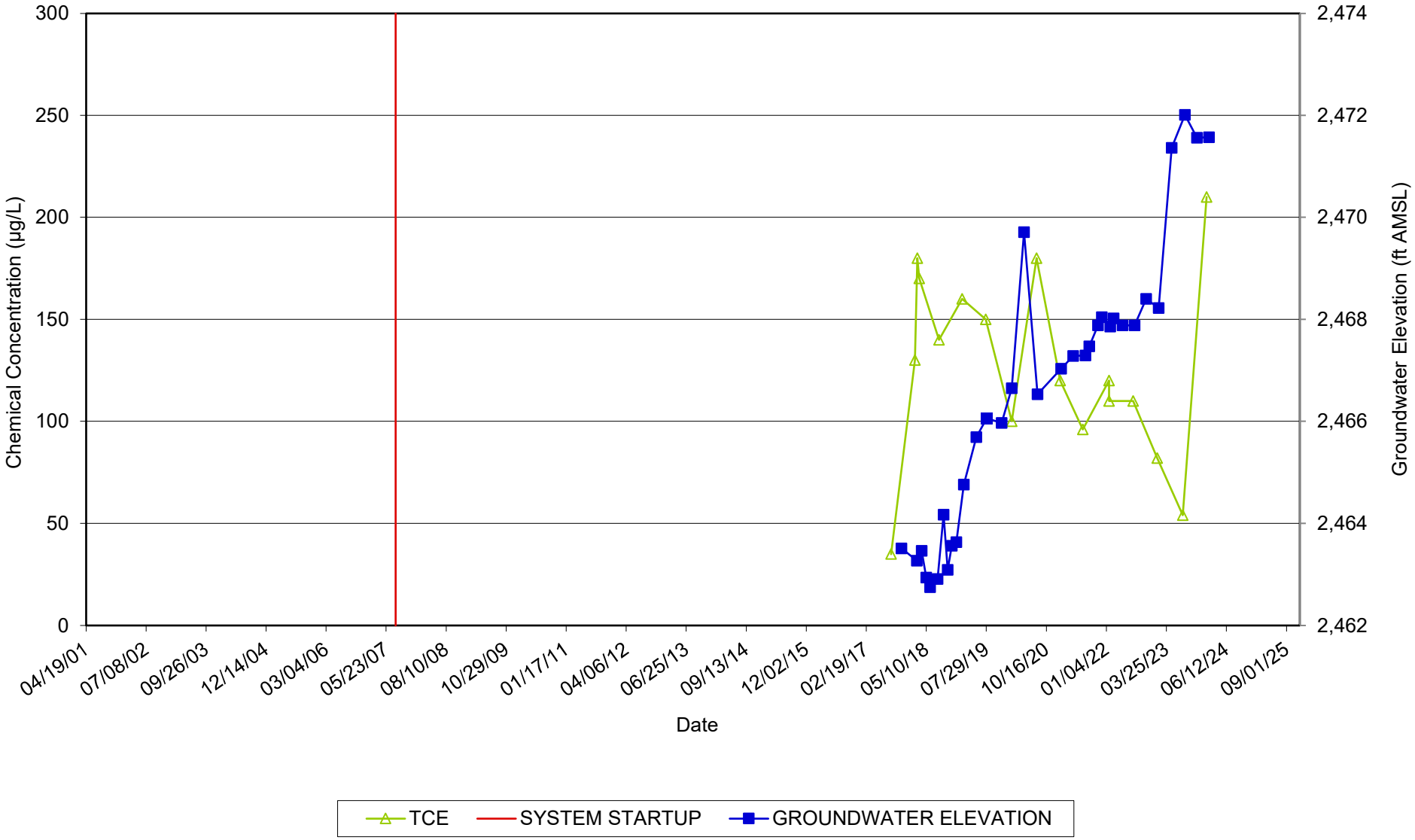
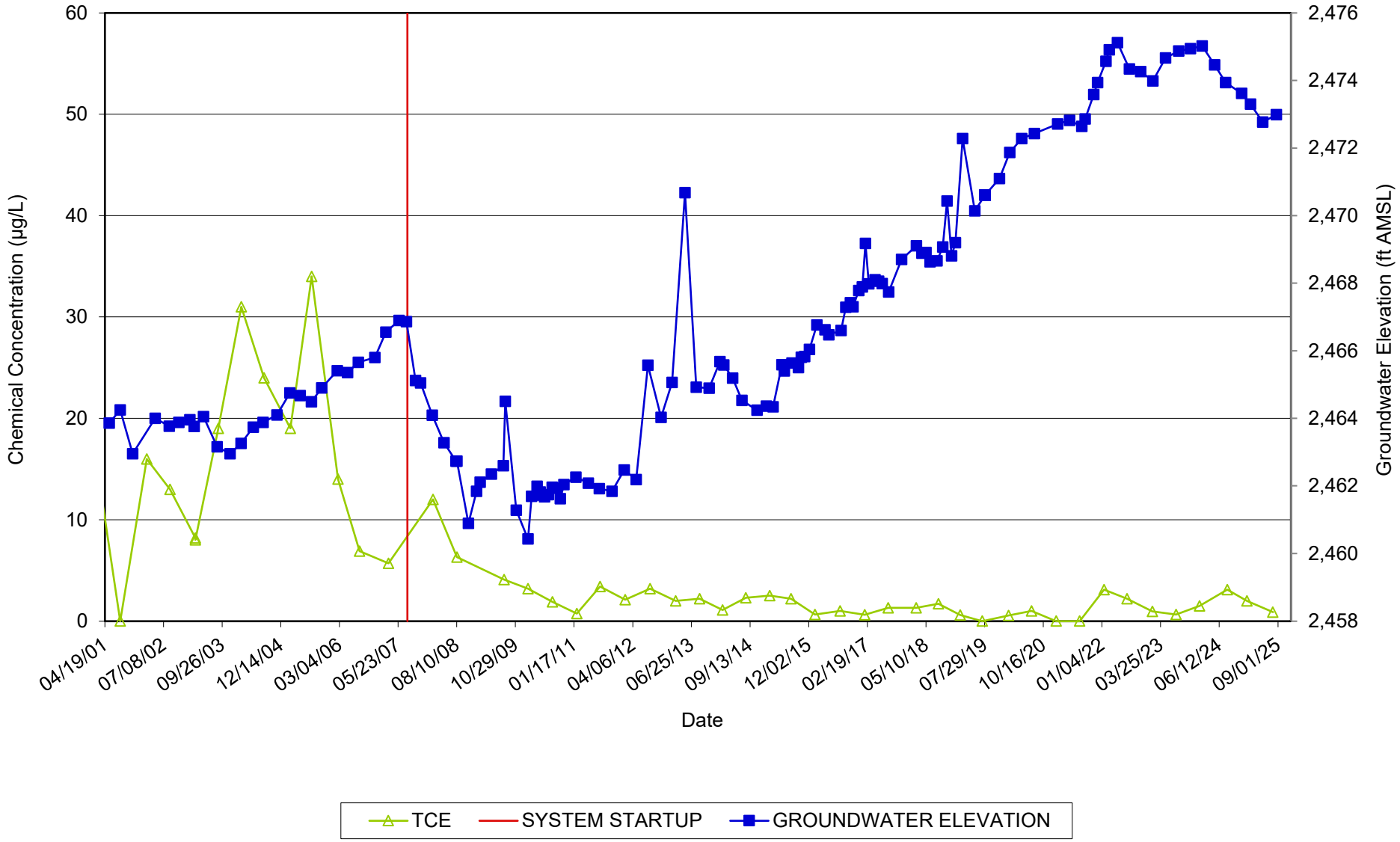
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
GHD-1D



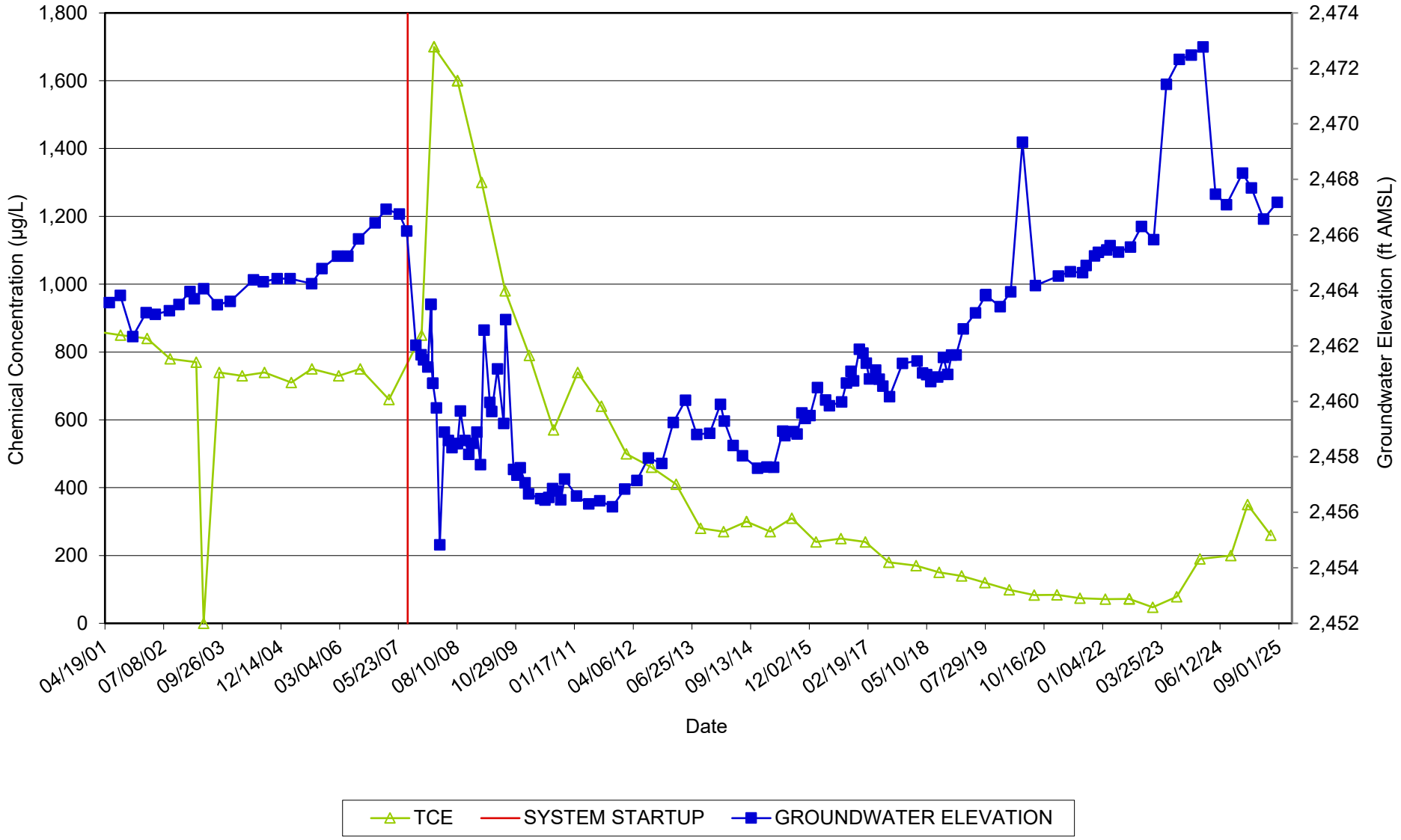
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
S-2



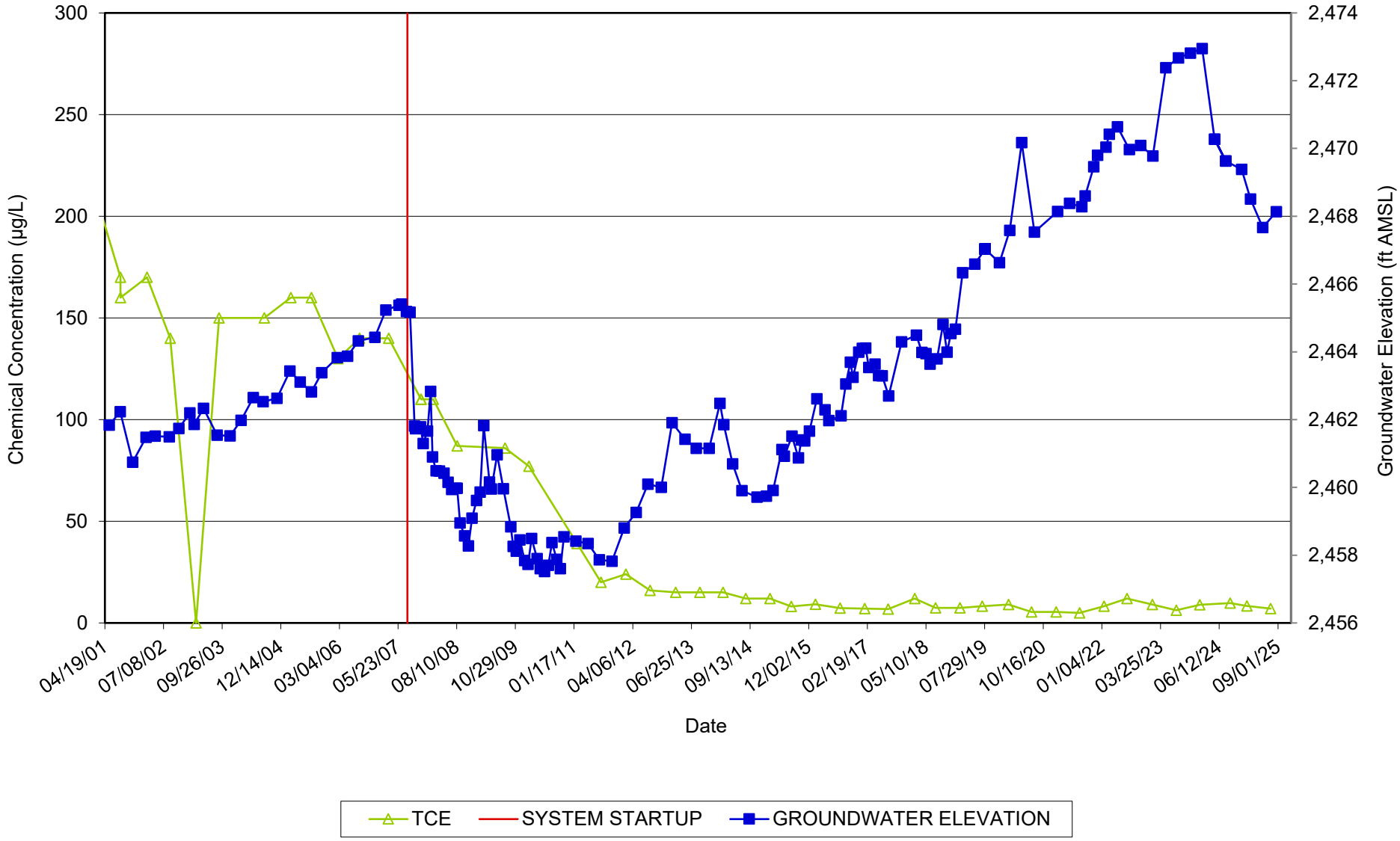
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
S-16B



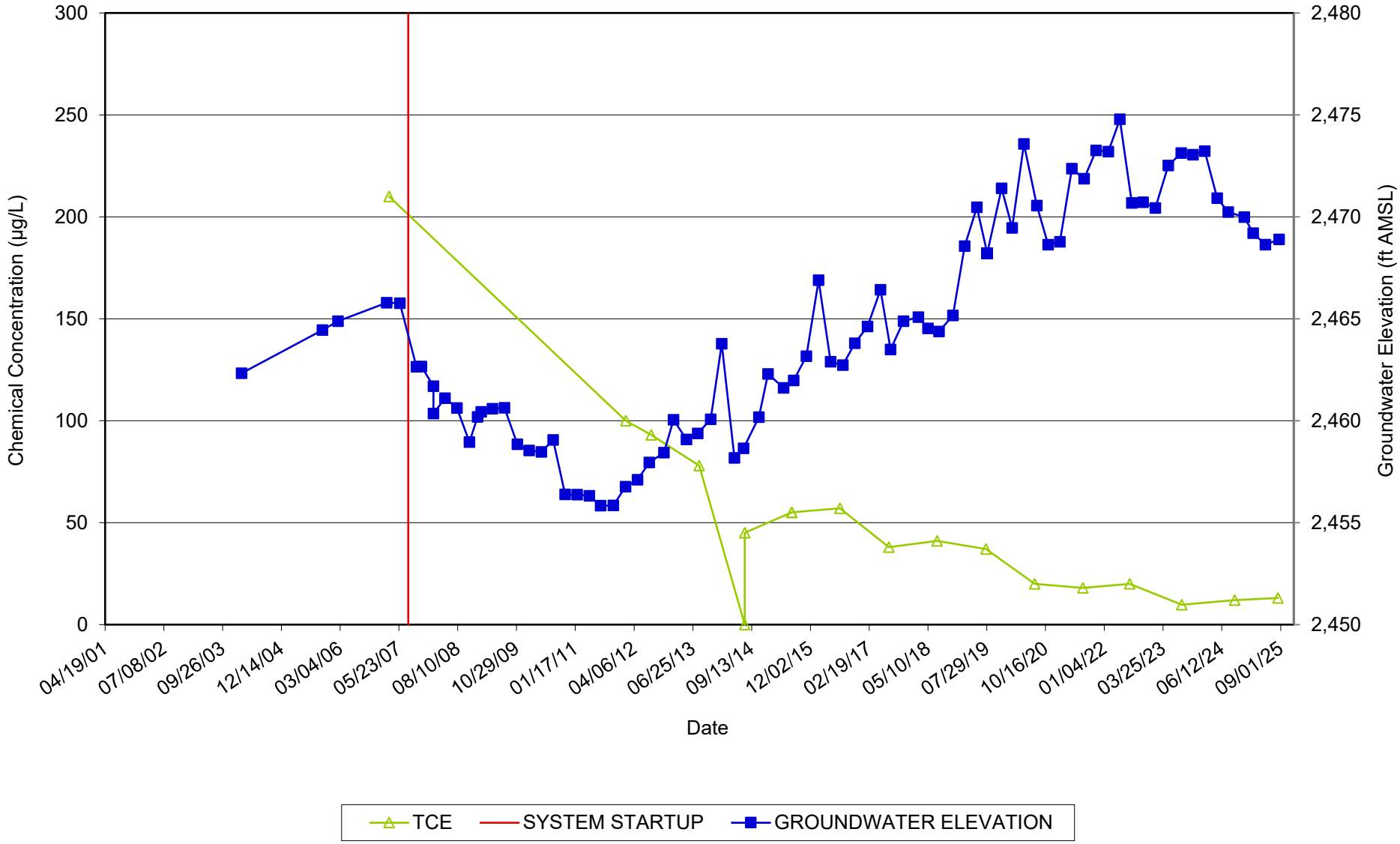
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
S-29



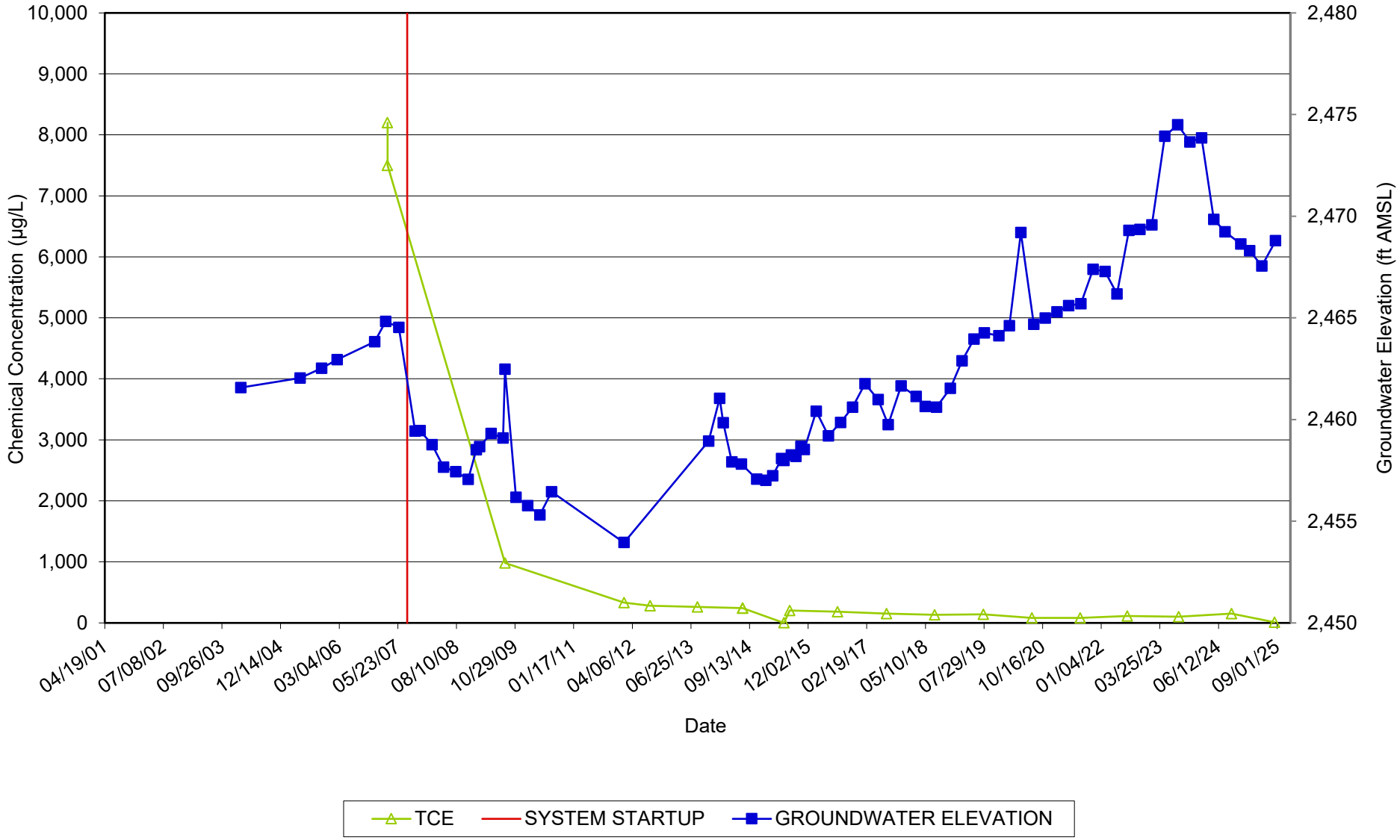
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
SVE-5D



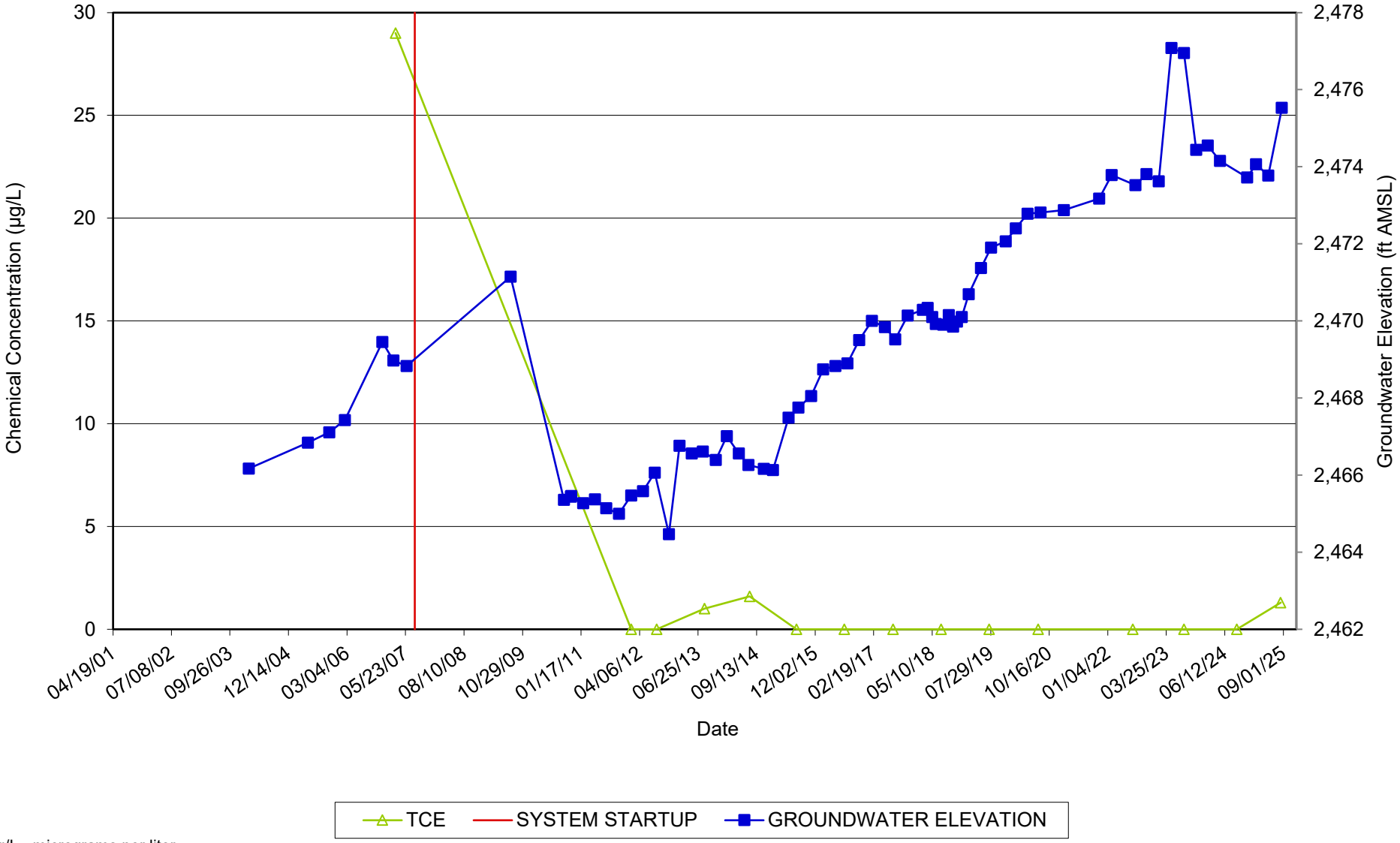
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
SVE-6D



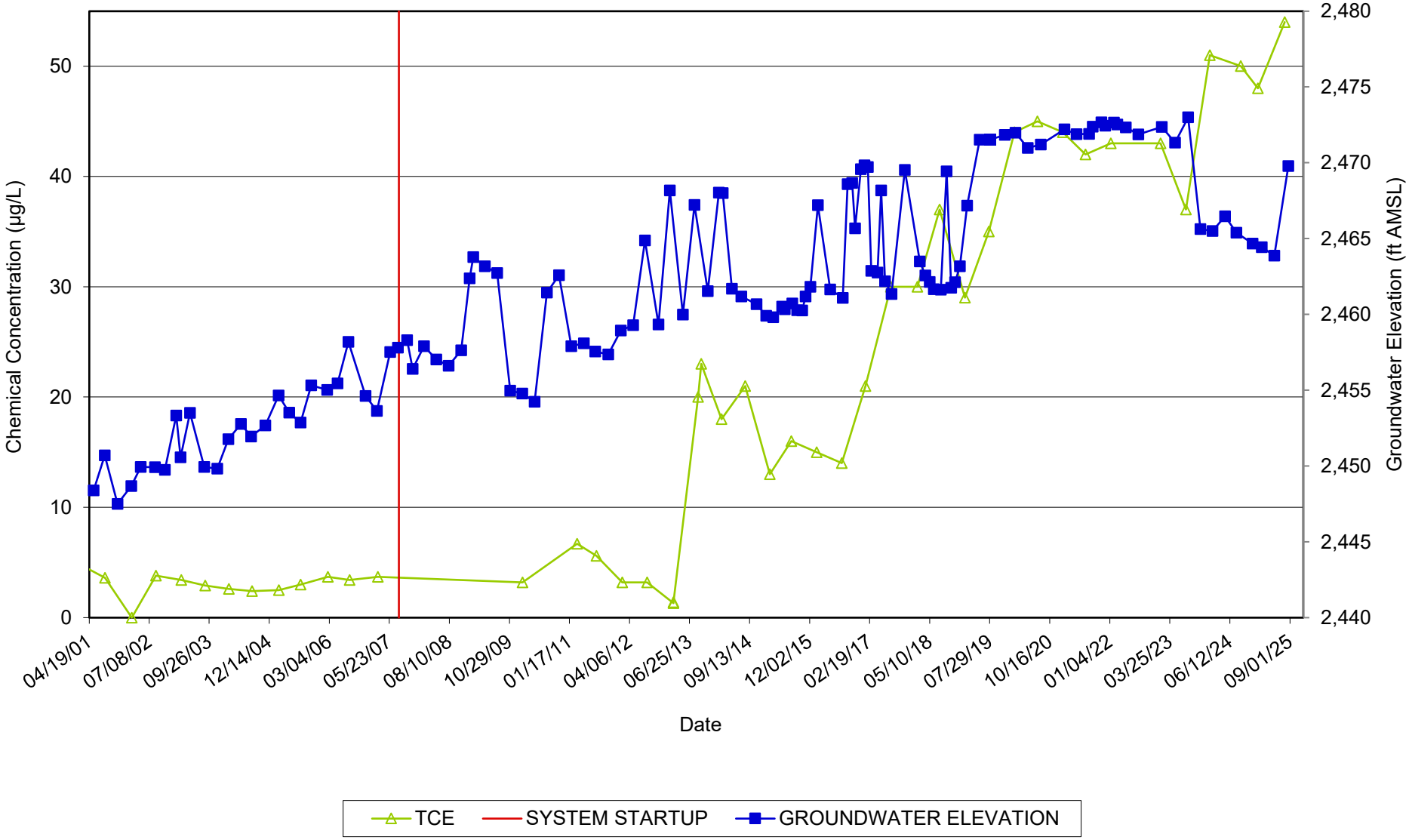
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
SVE-7D



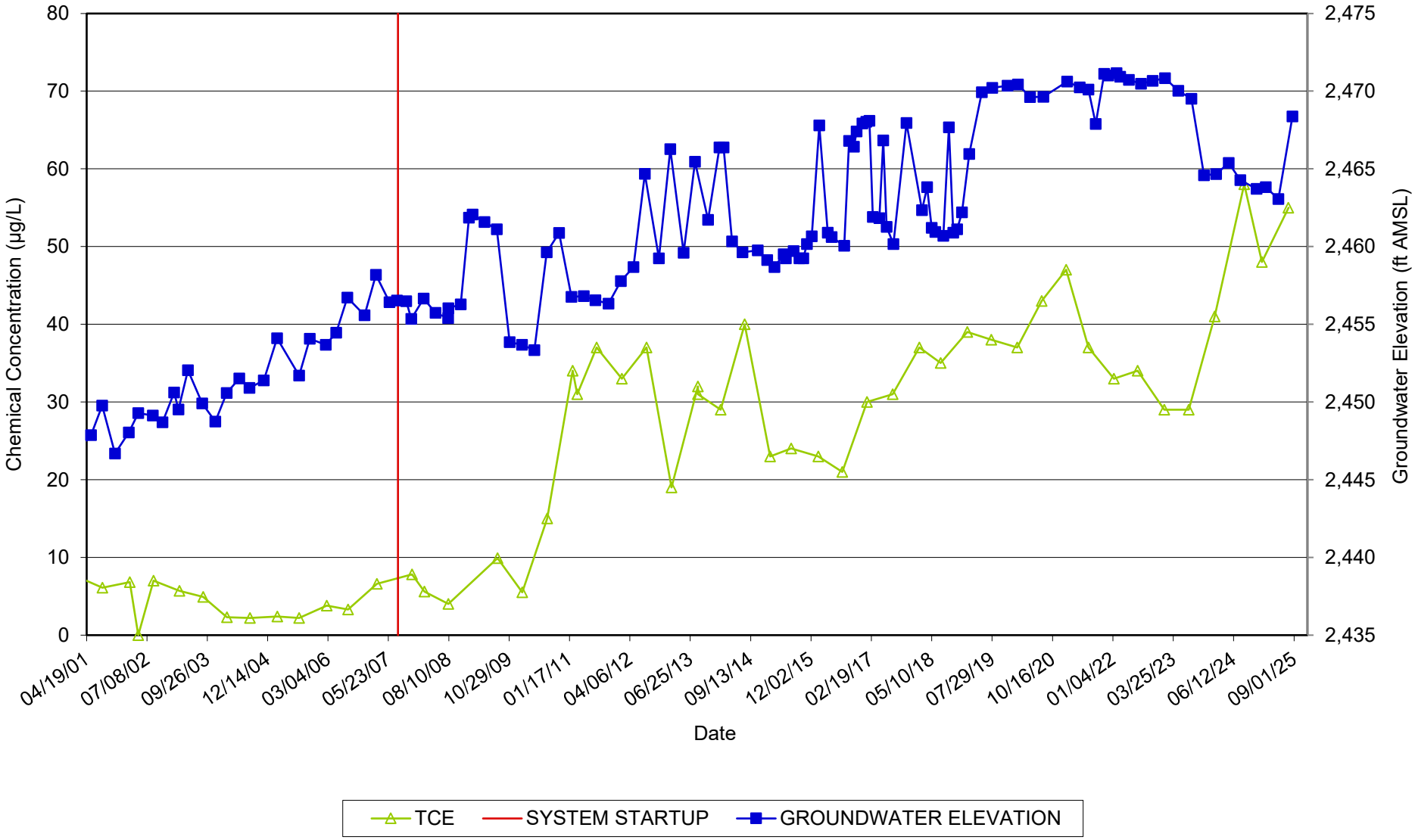
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
D-1



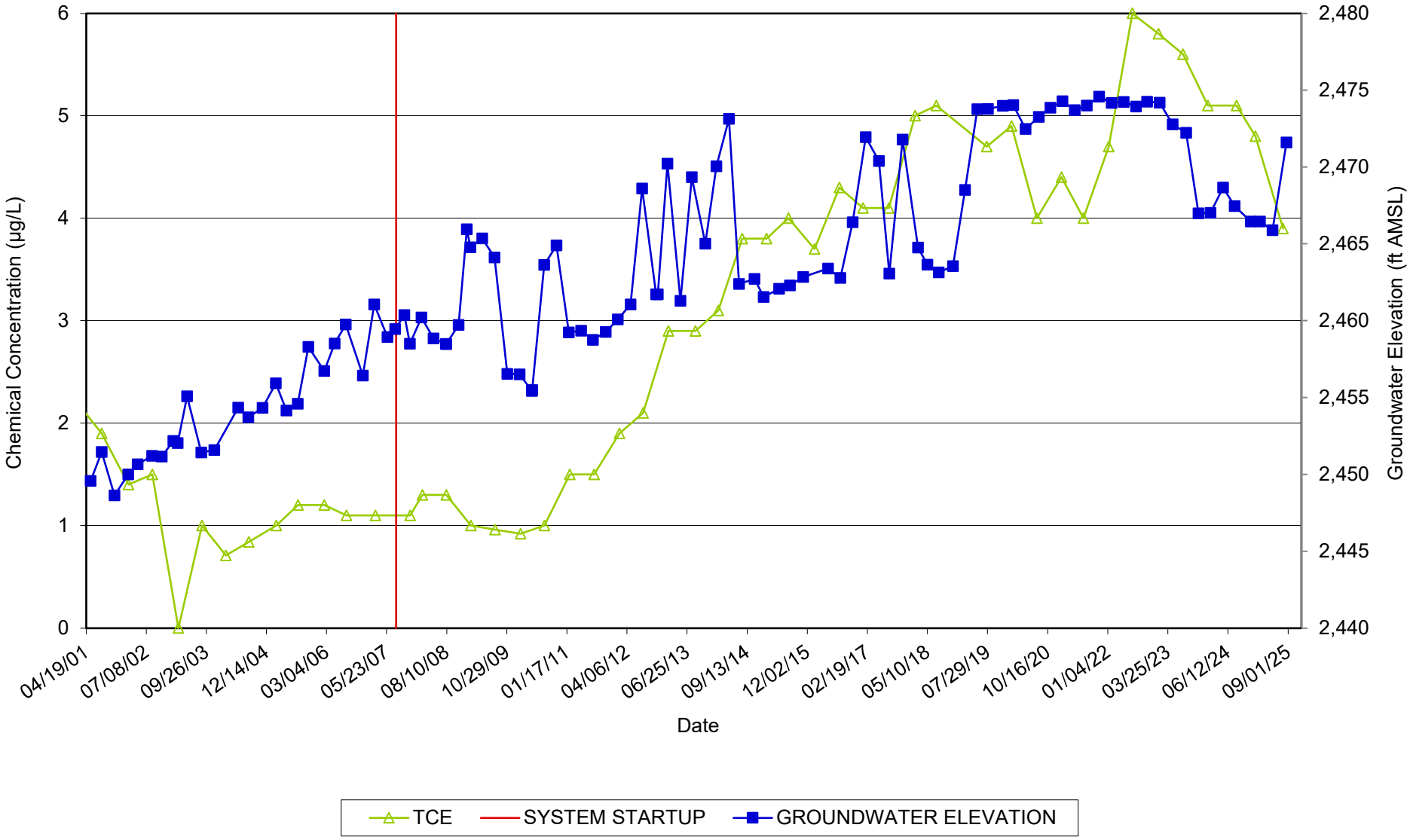
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
D-2



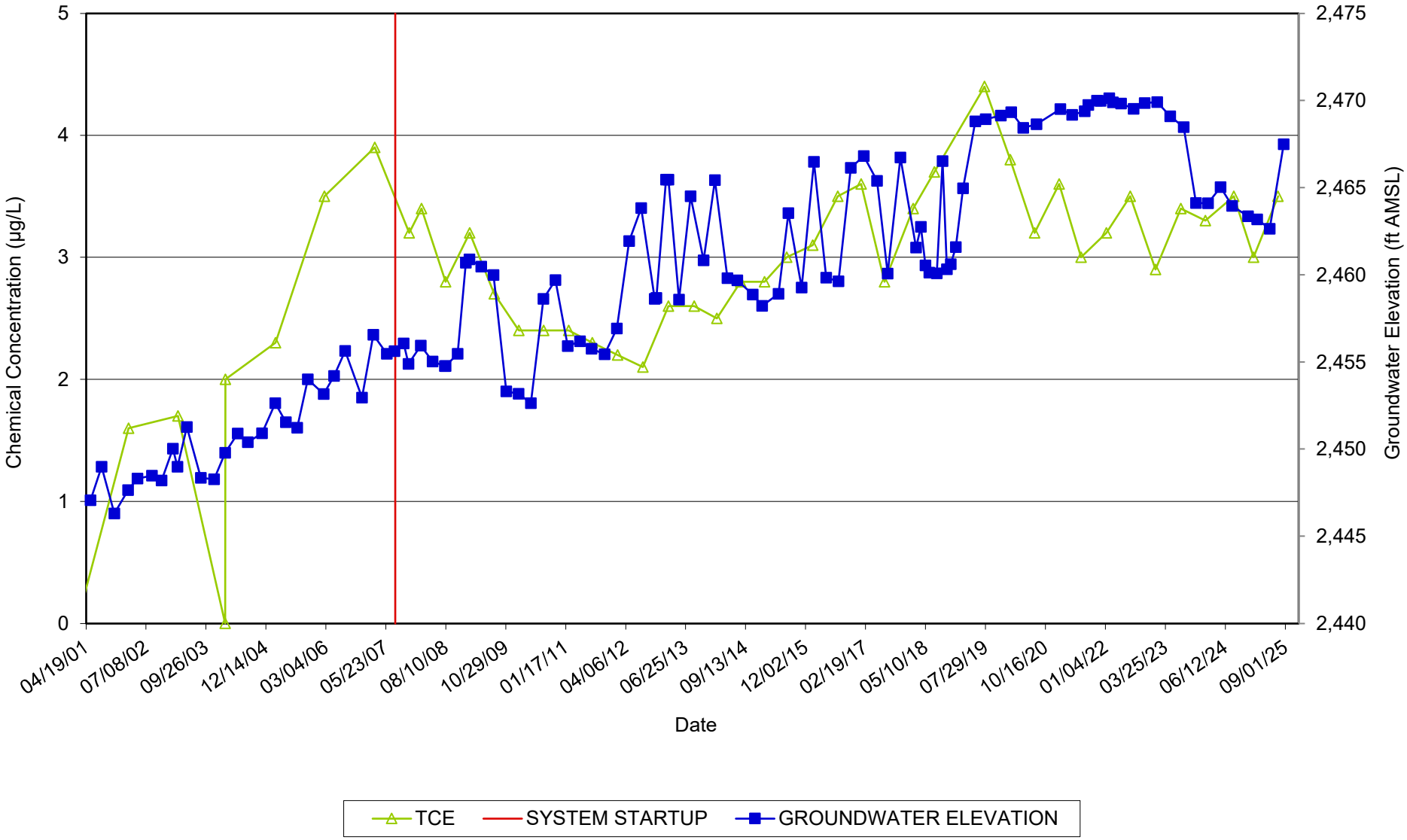
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
D-3



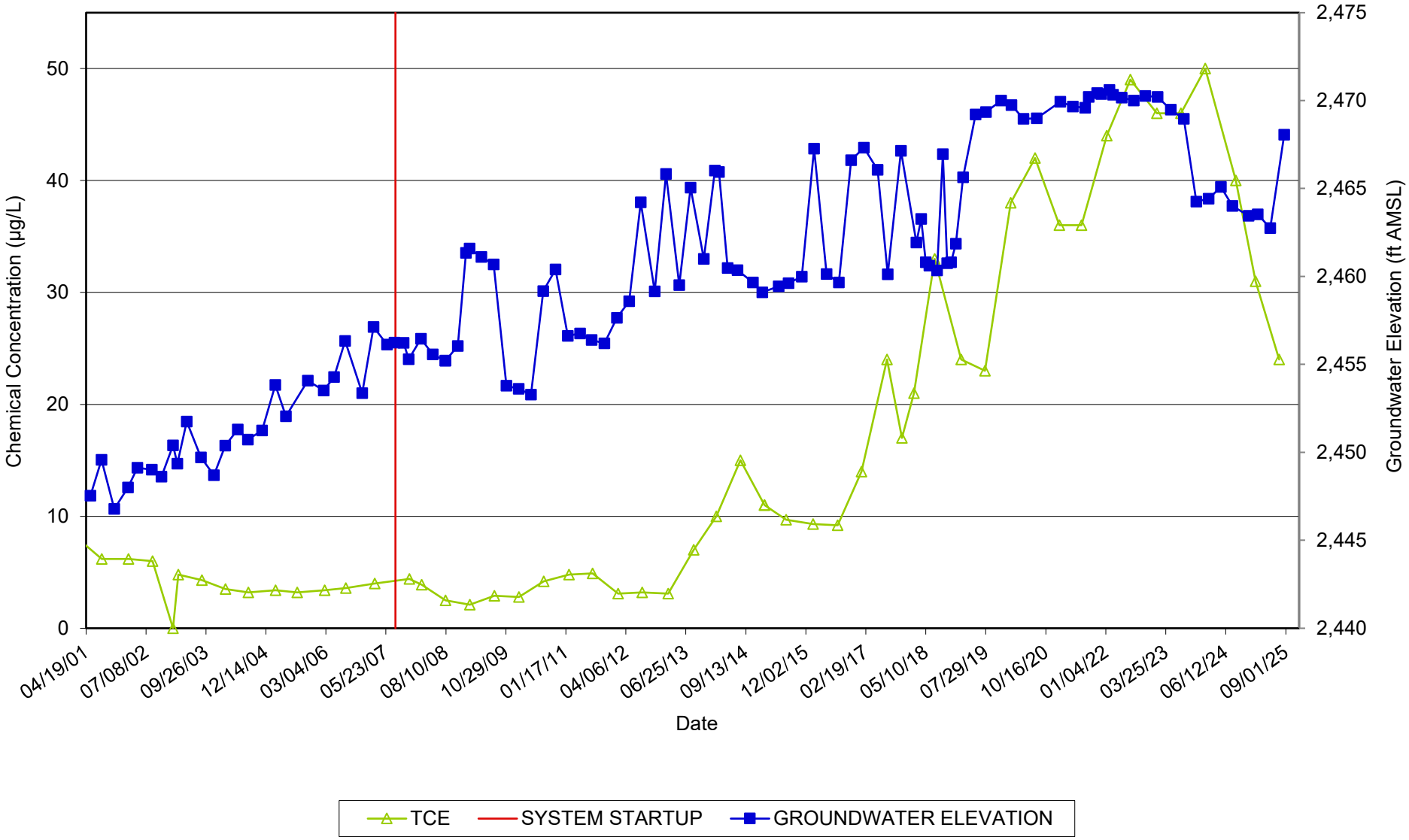
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
D-4



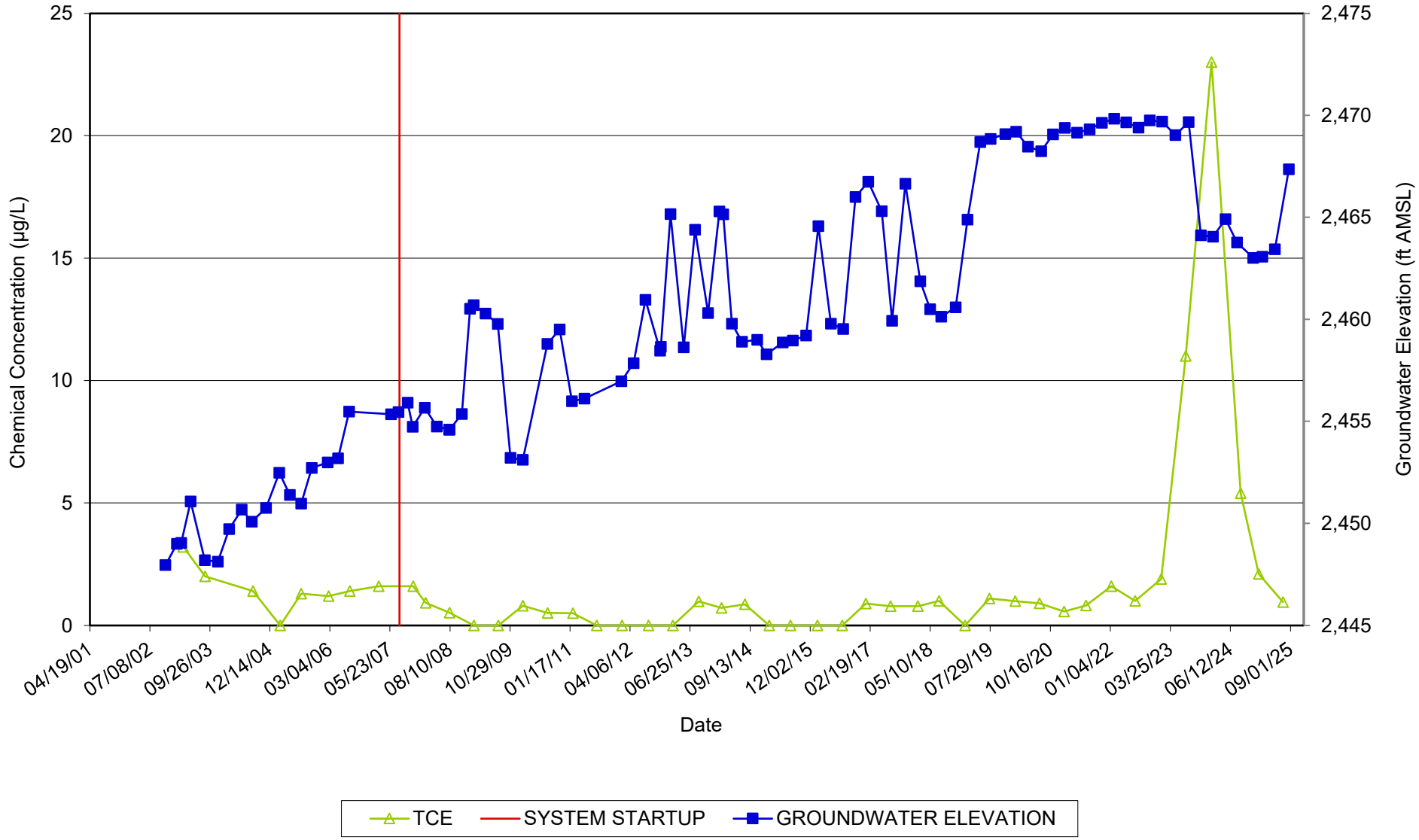
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
D-5



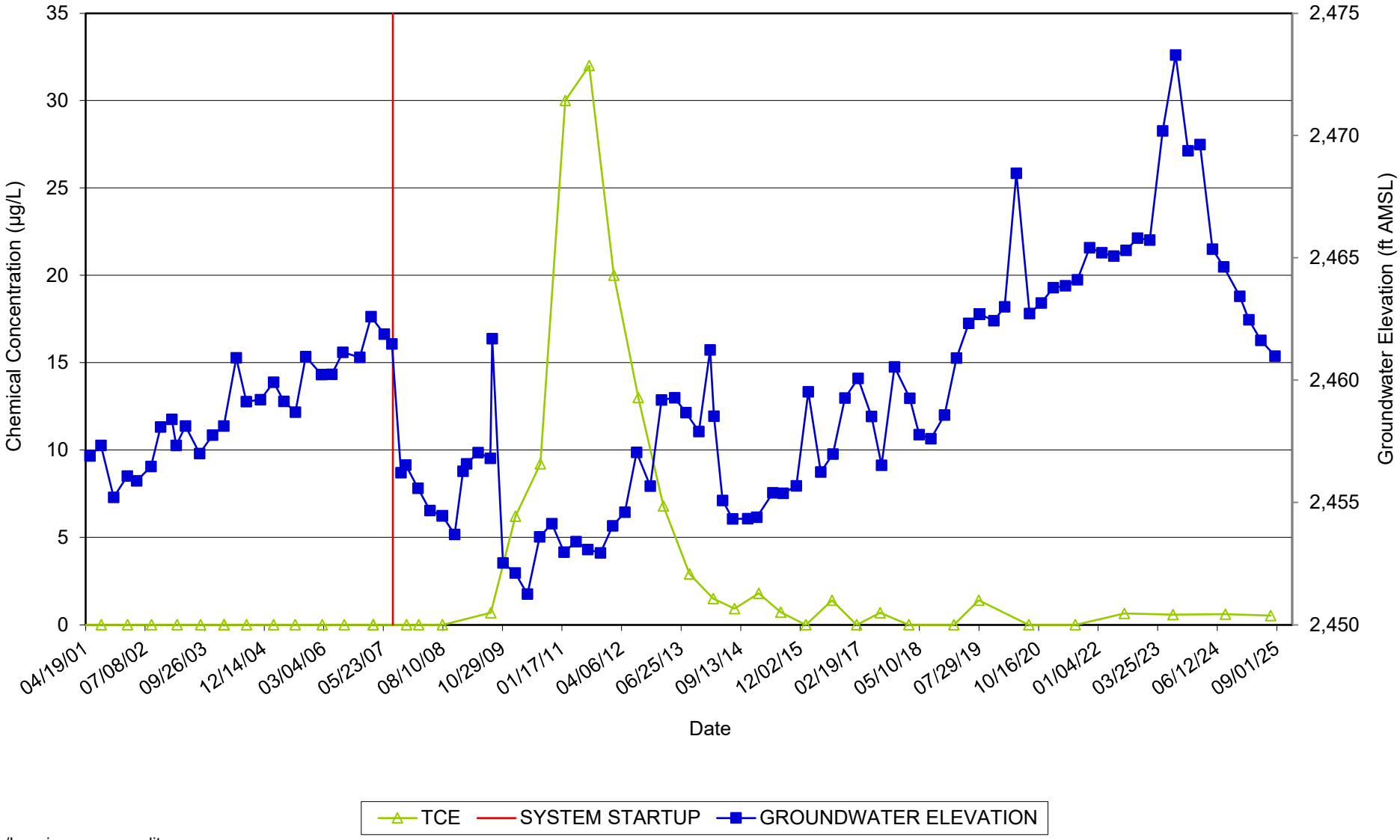
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
D-9



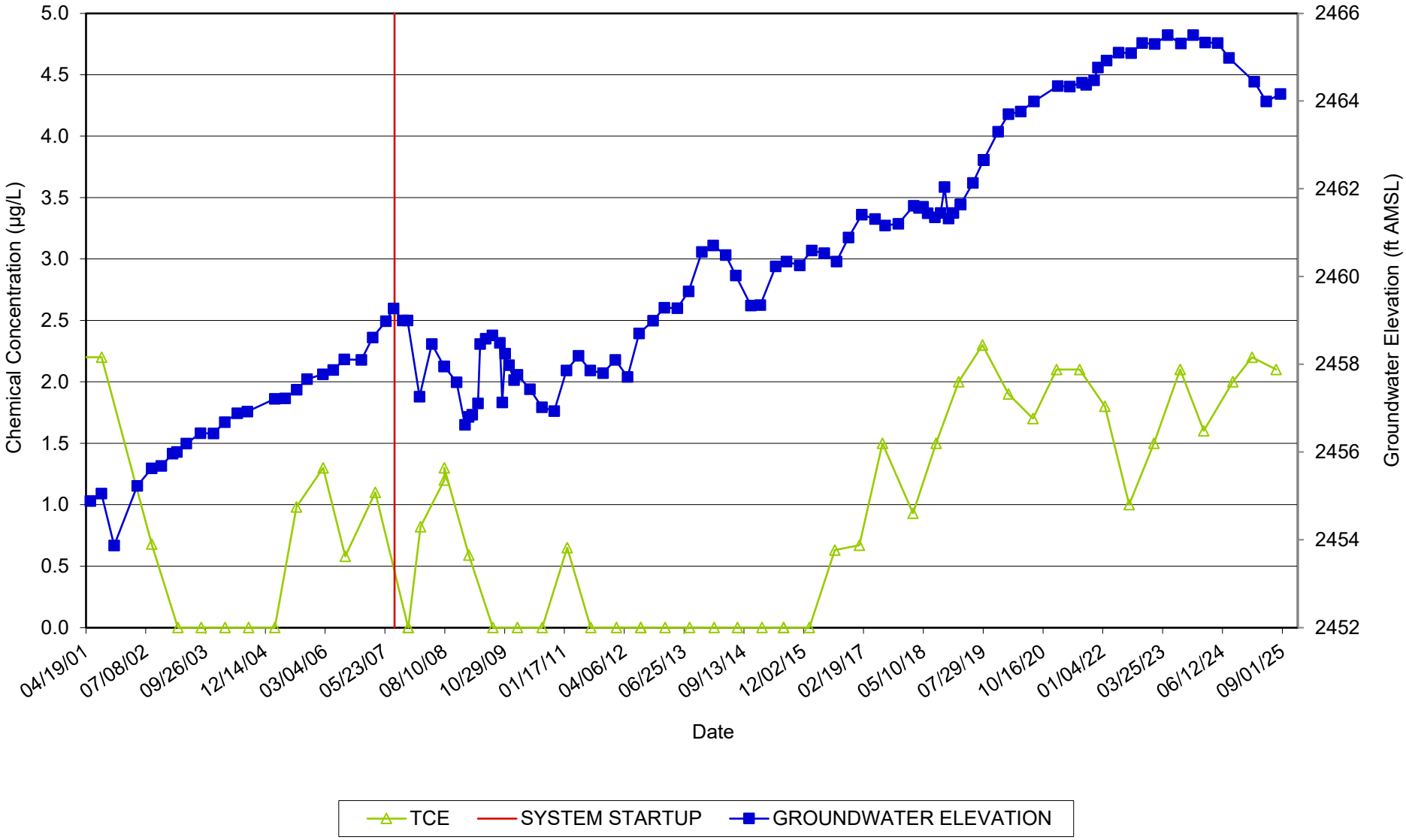
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
S-21



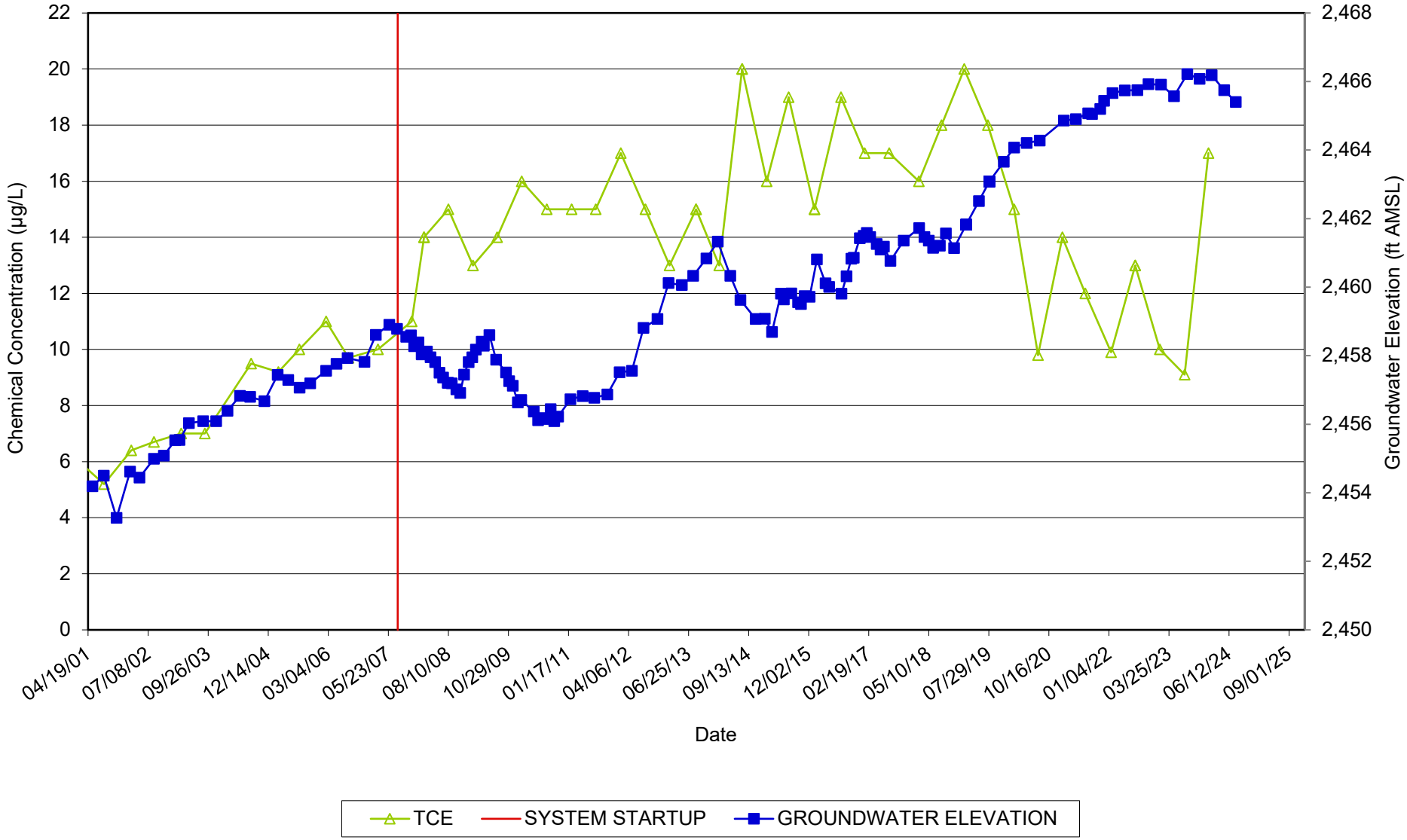
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
S-23



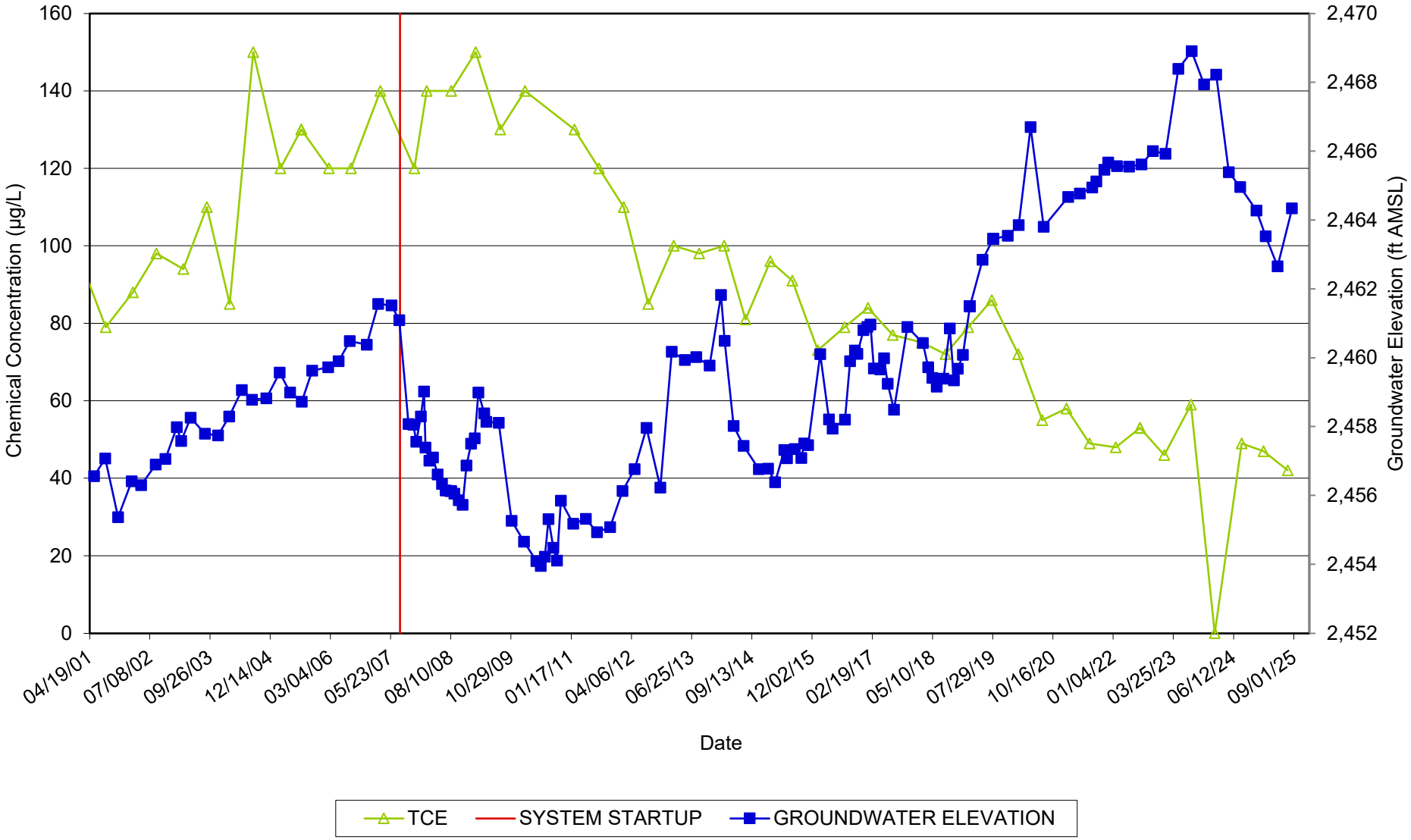
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
S-24



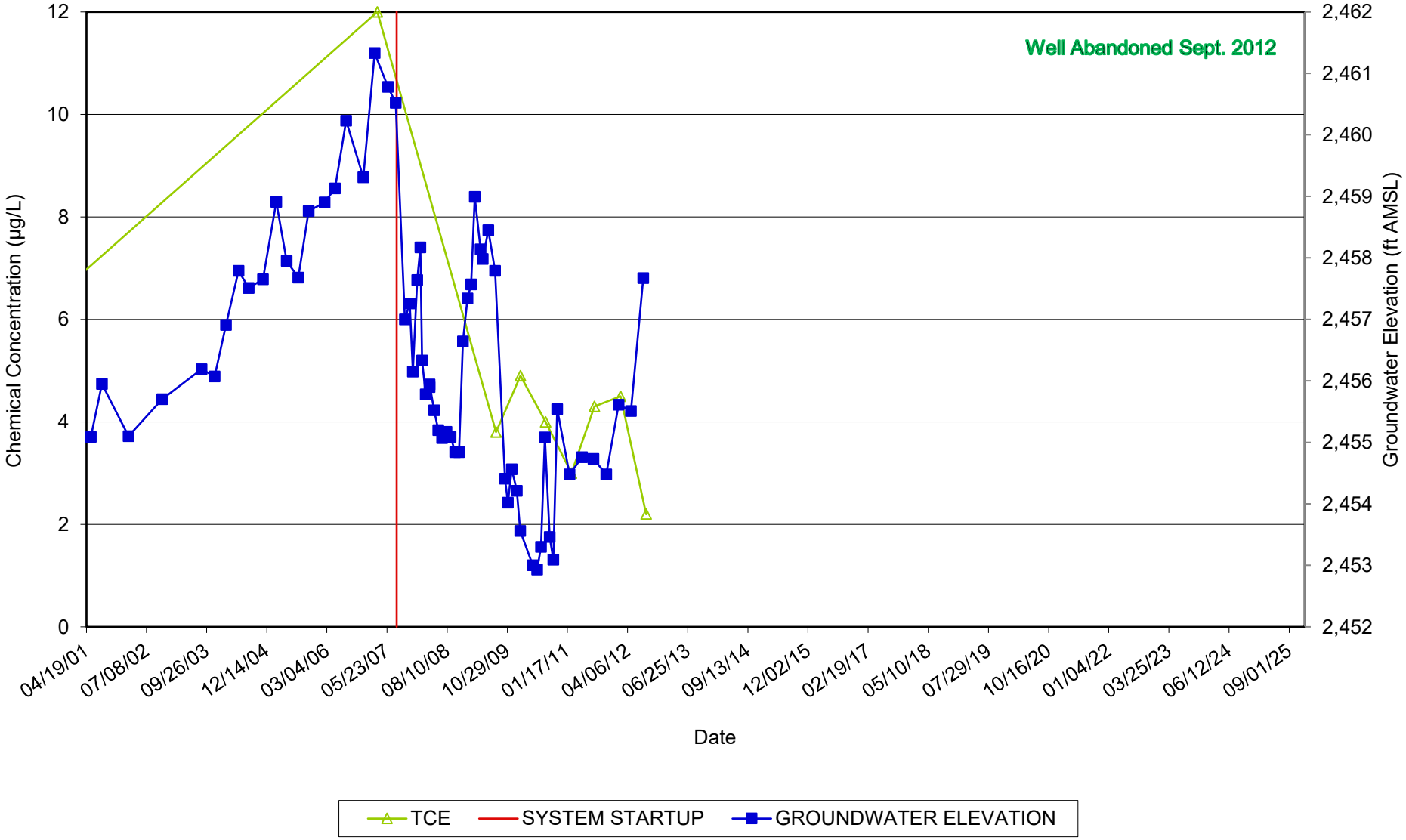
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
S-26



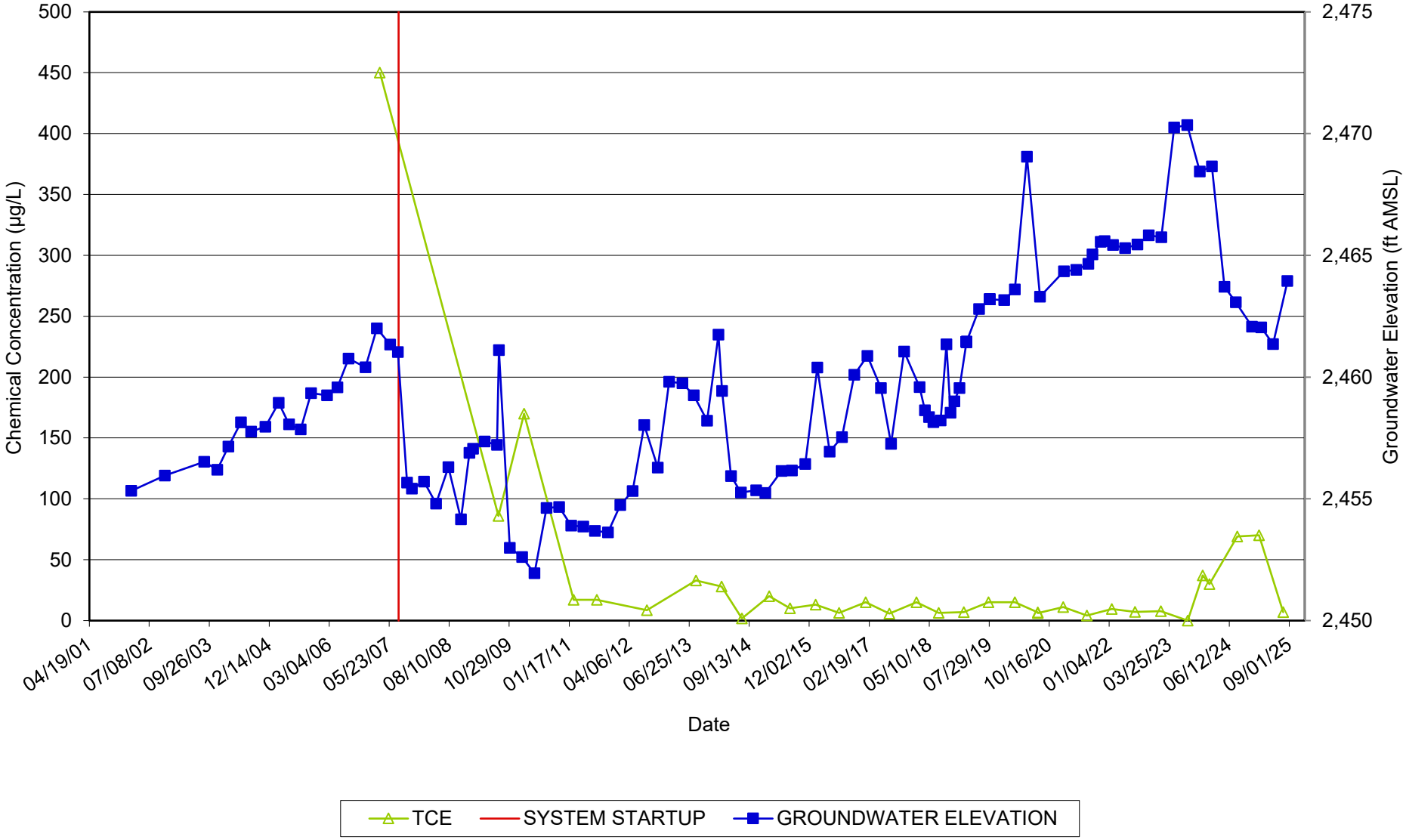
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
CRA-6



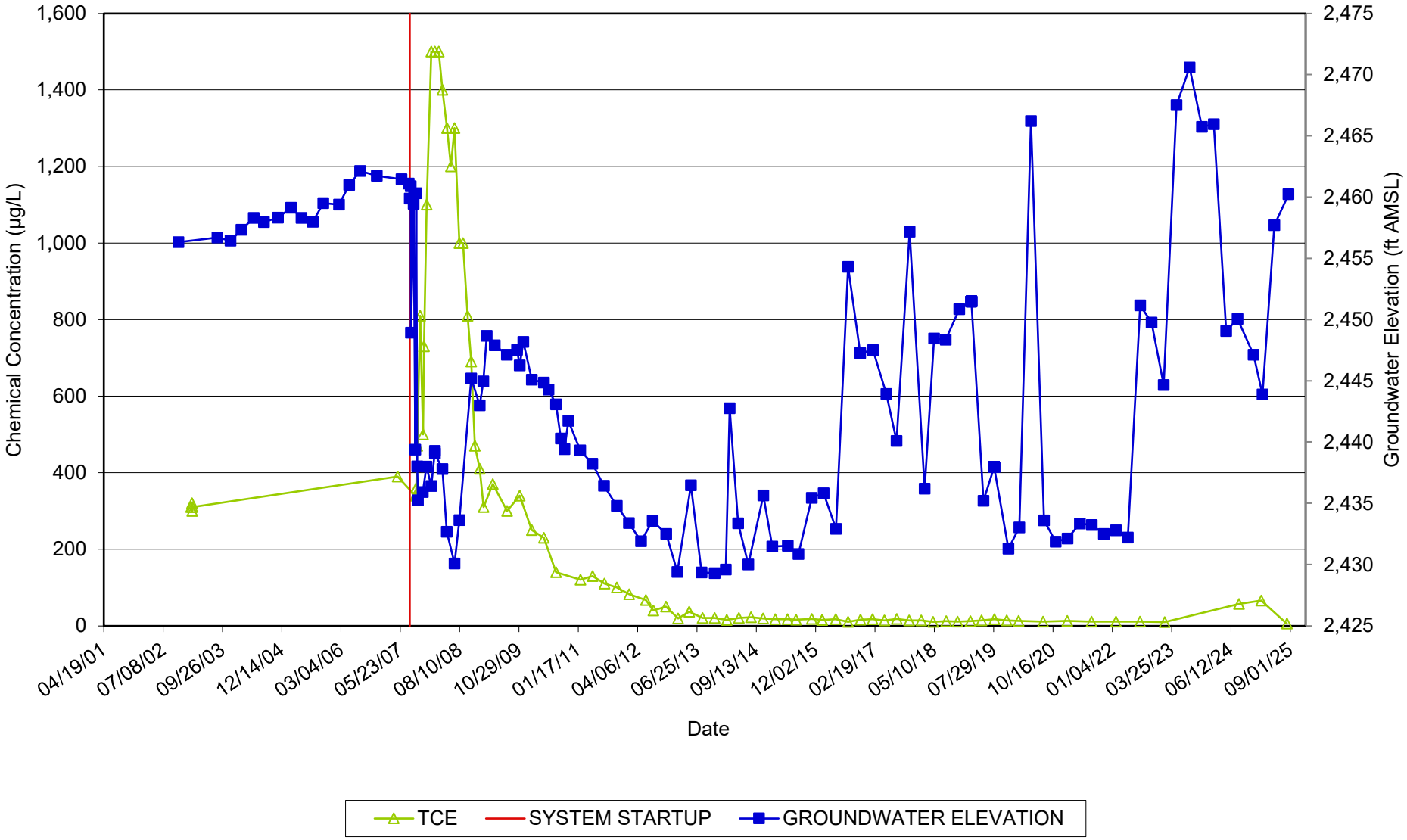
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
CRA-7



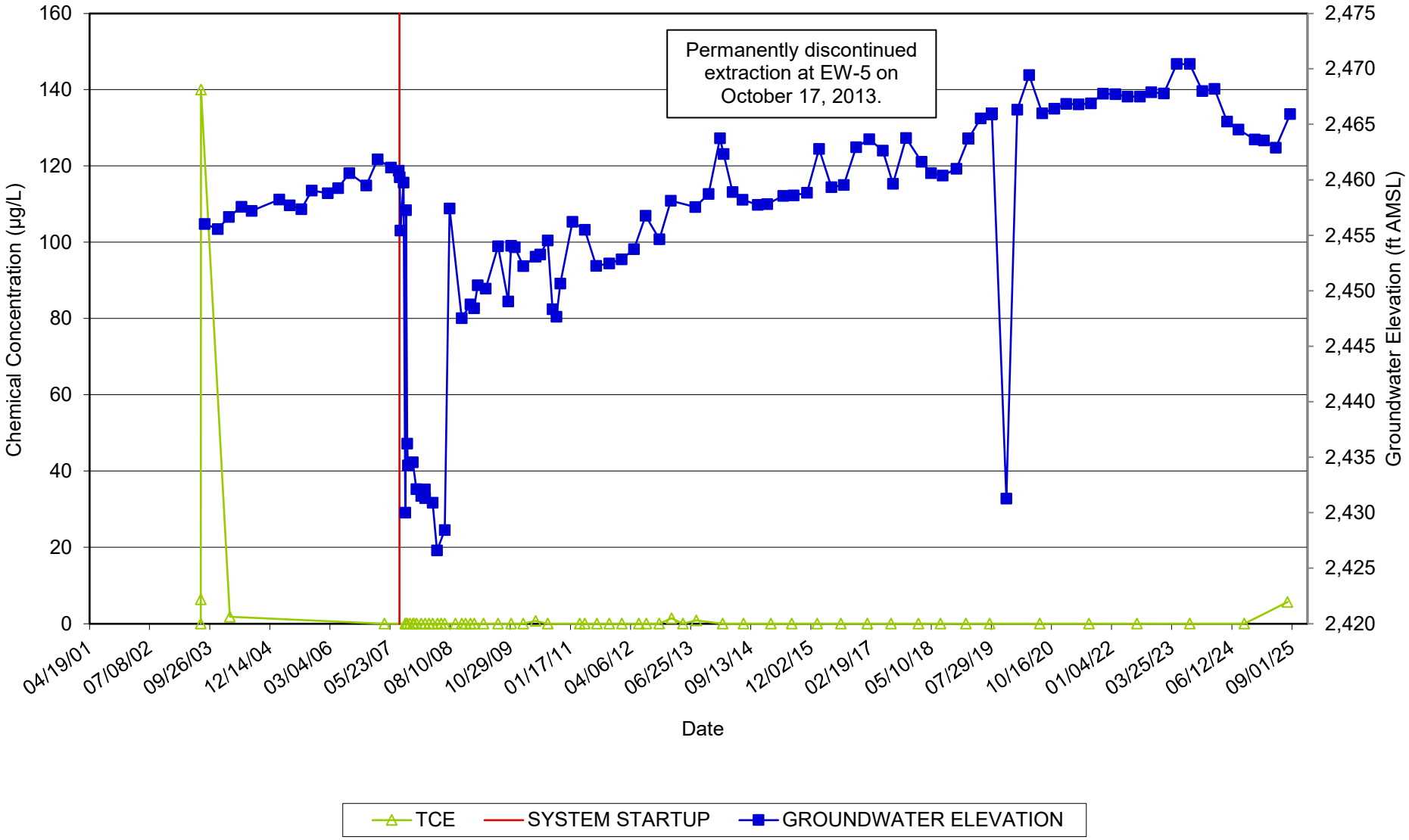
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
EW-4



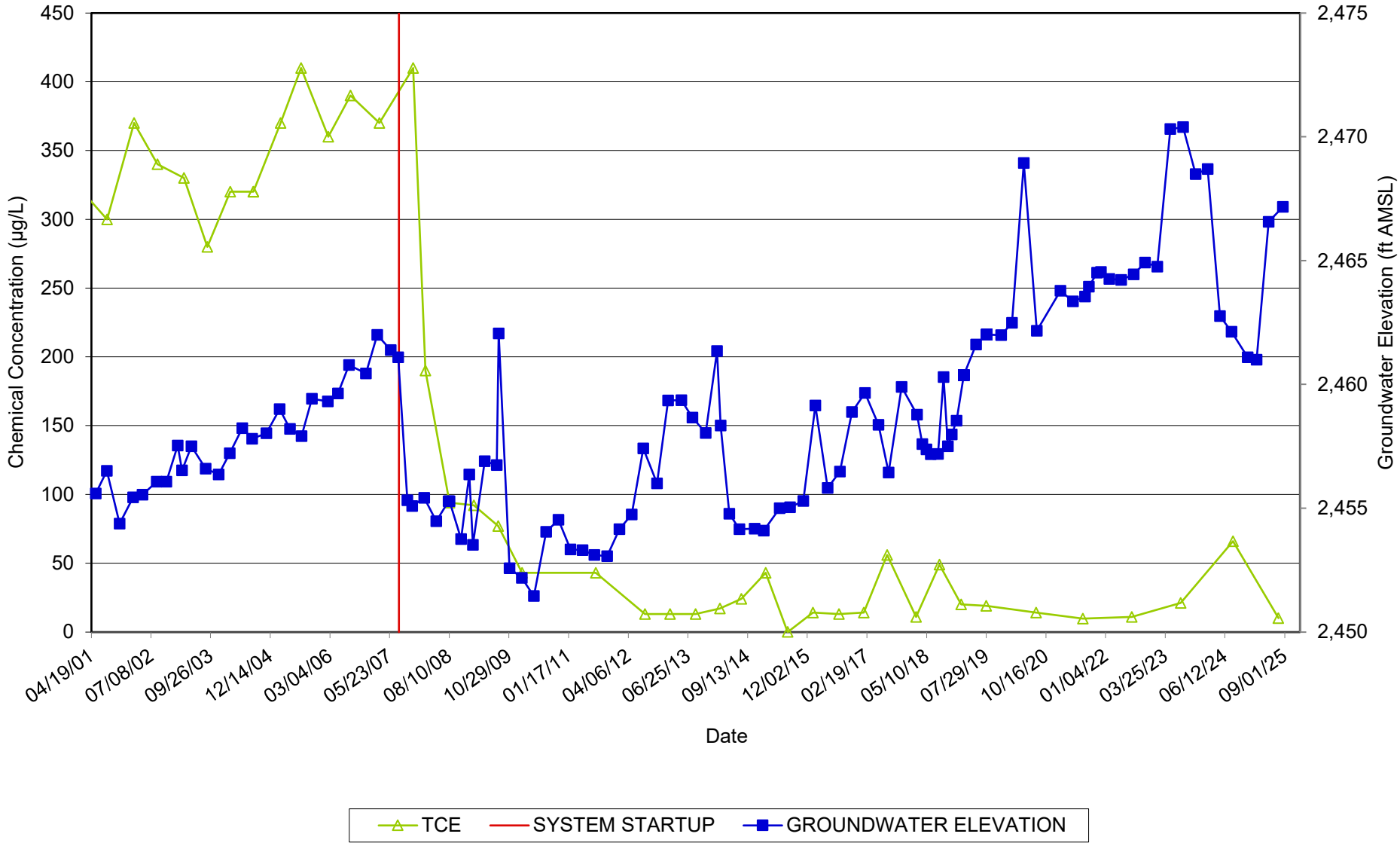
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
EW-5



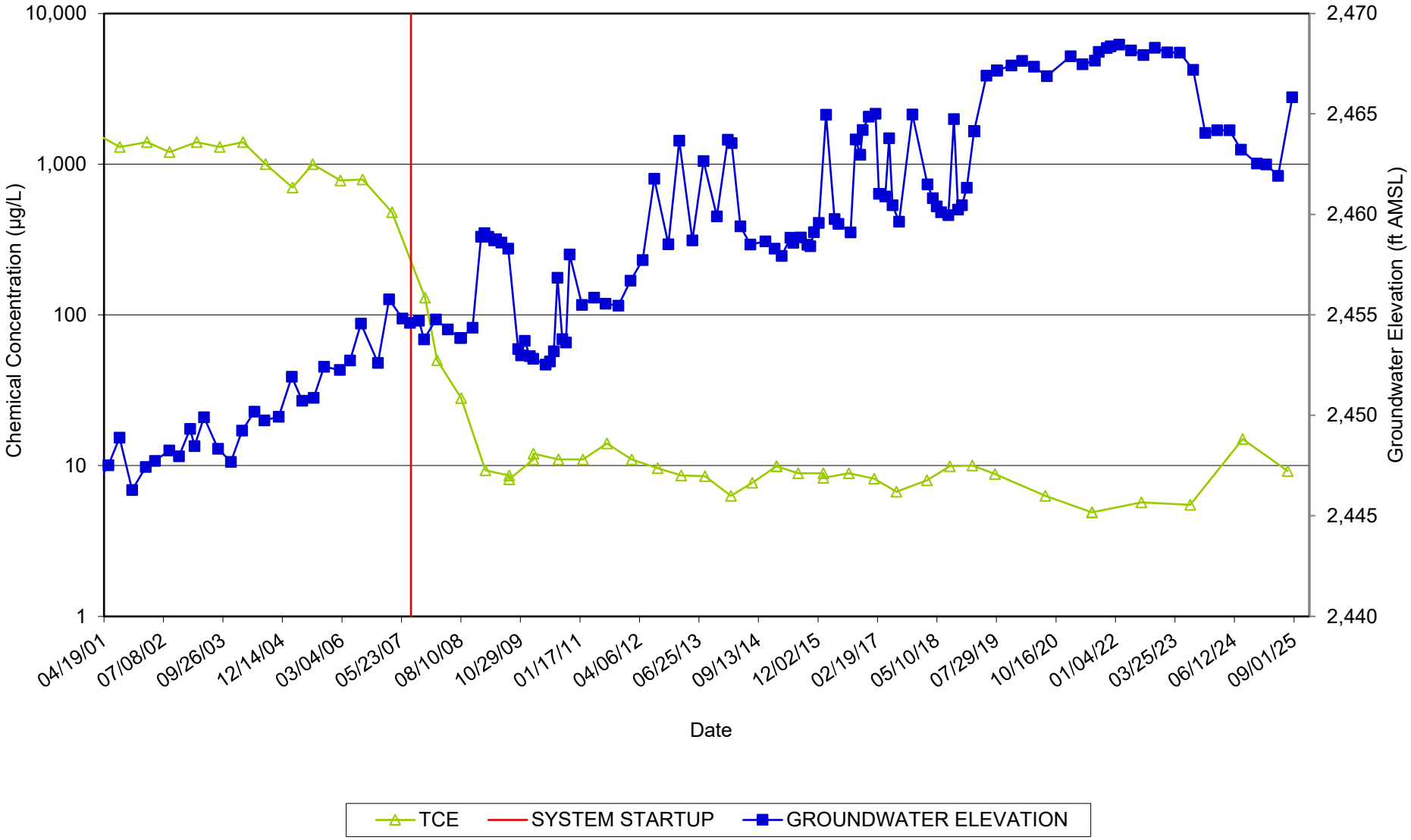
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
S-21B



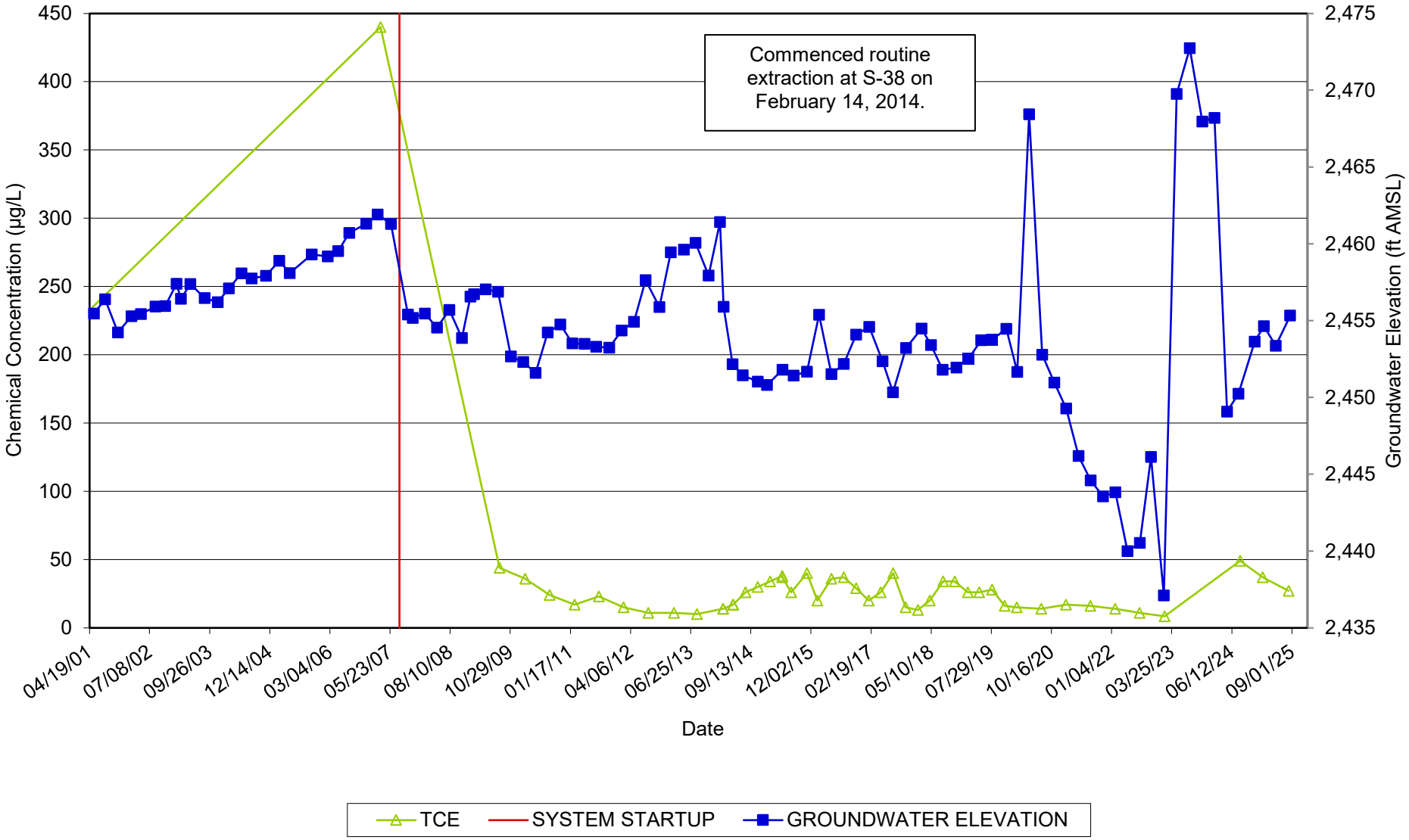
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
S-37



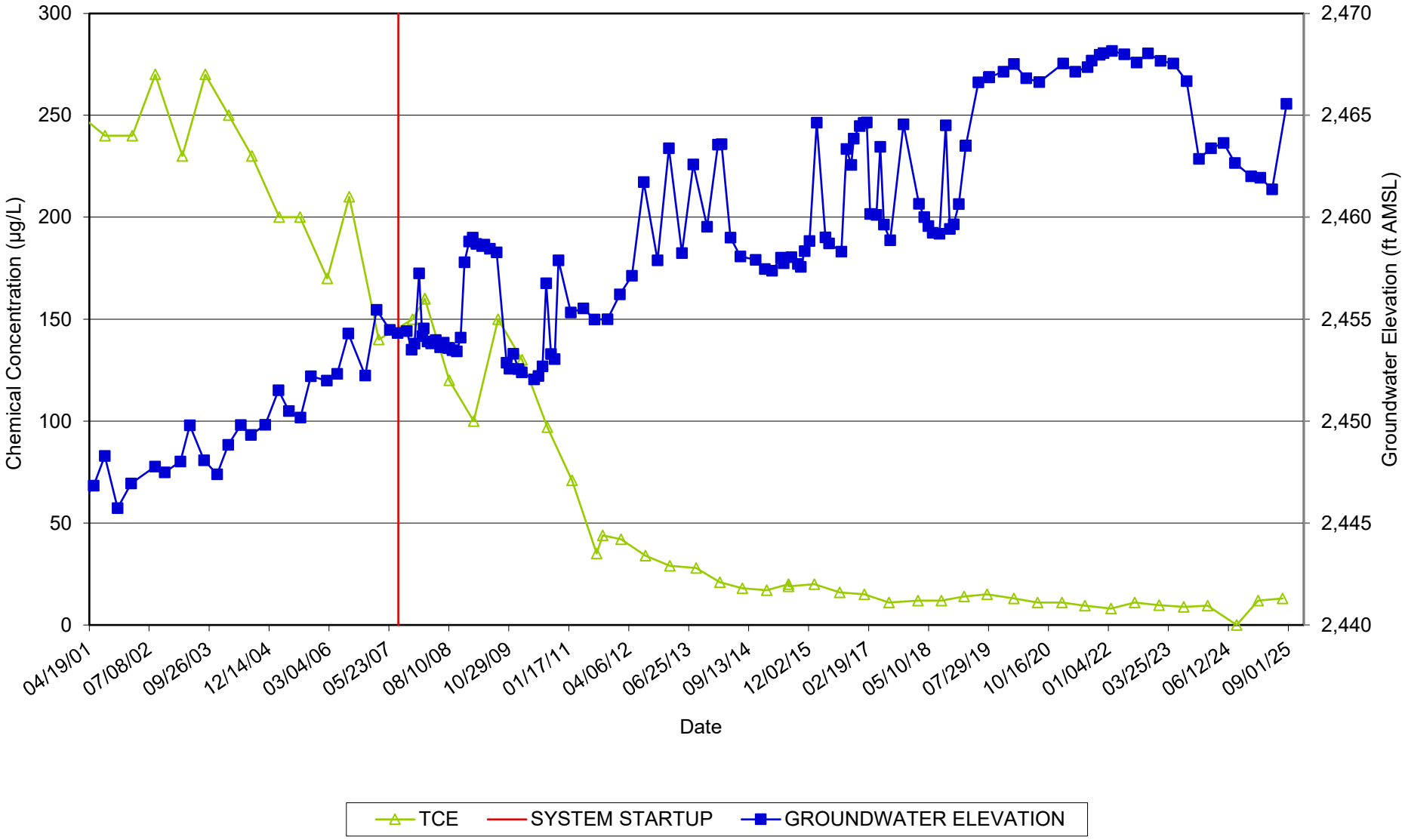
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
S-38



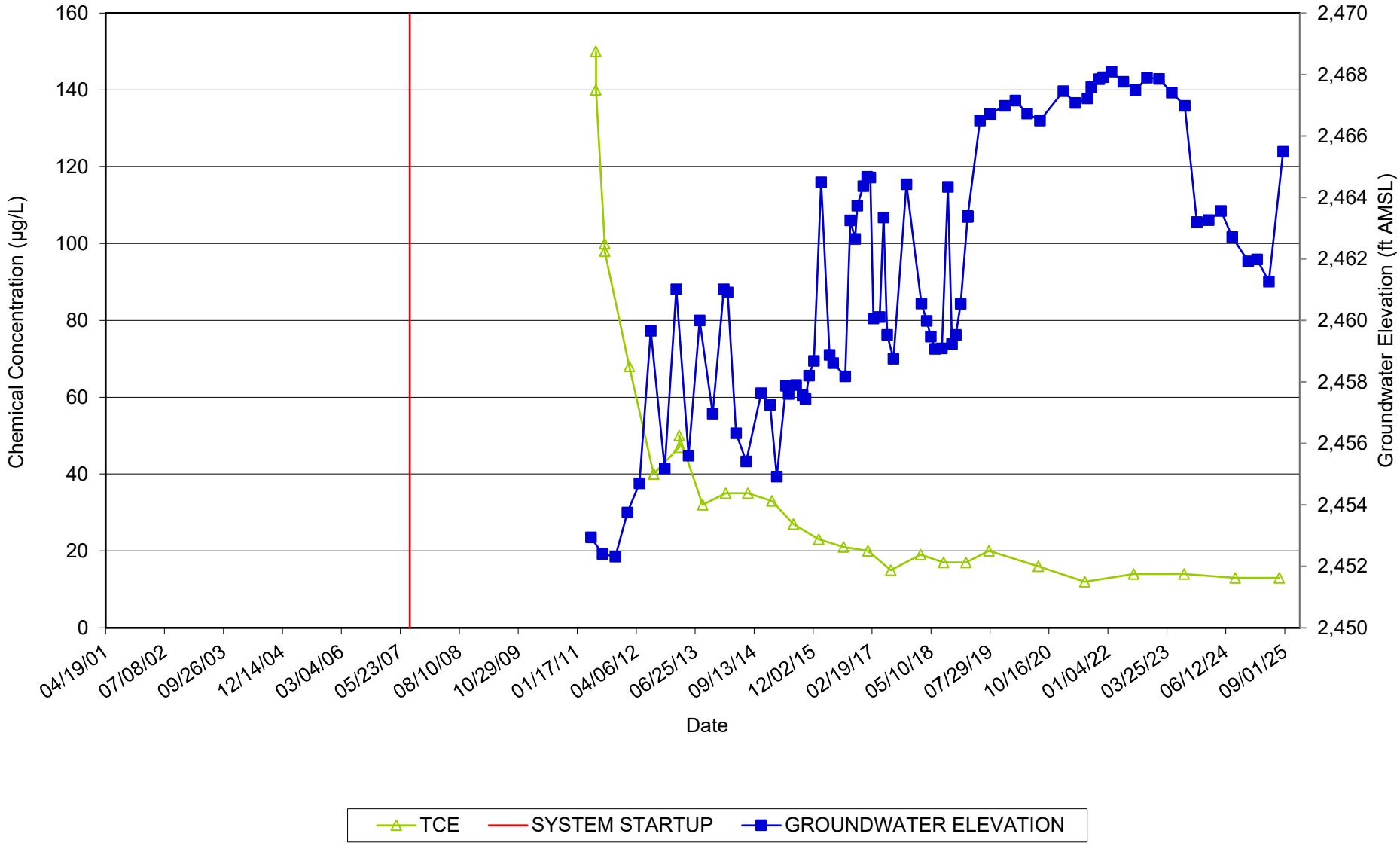
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
S-39



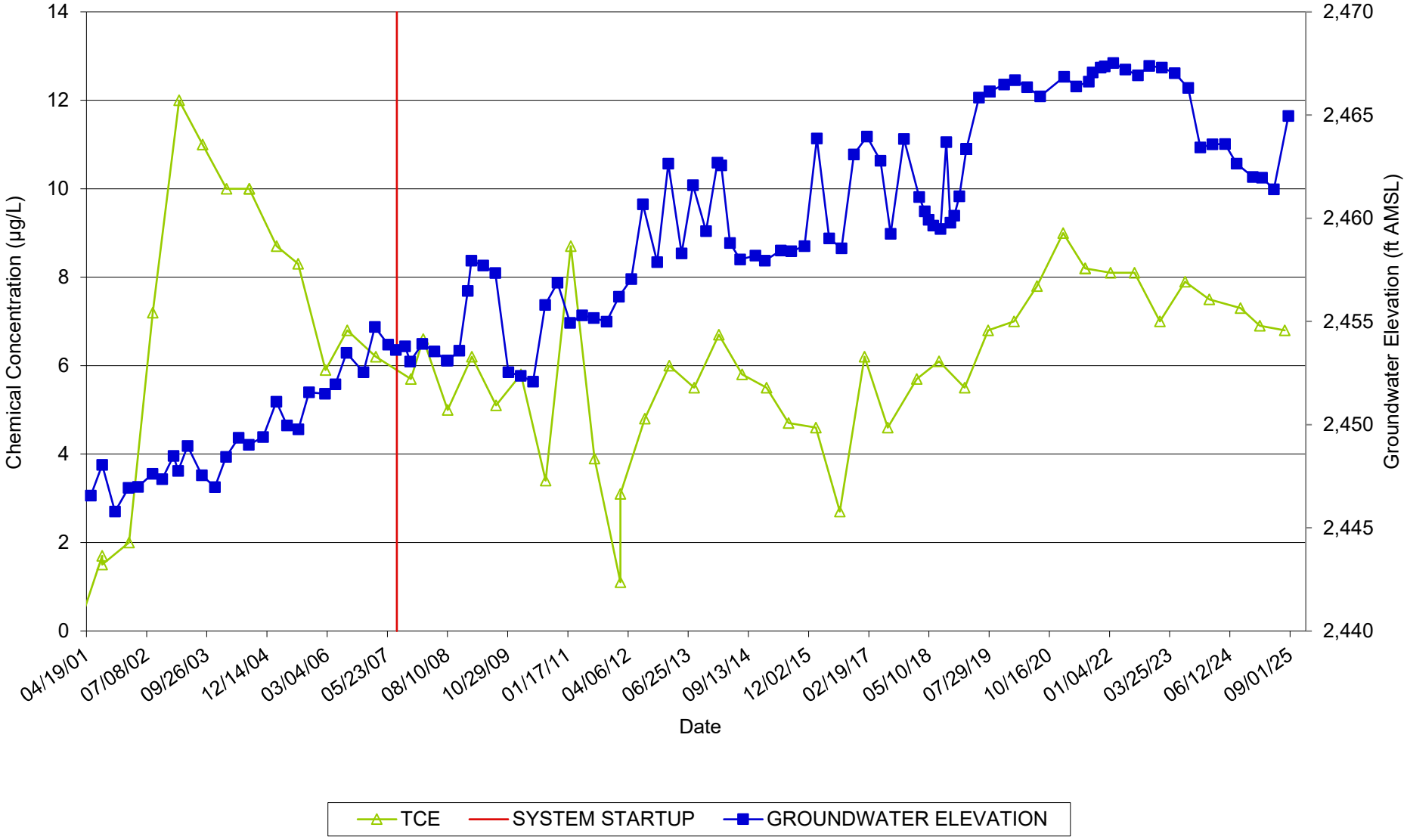
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
CRA-42



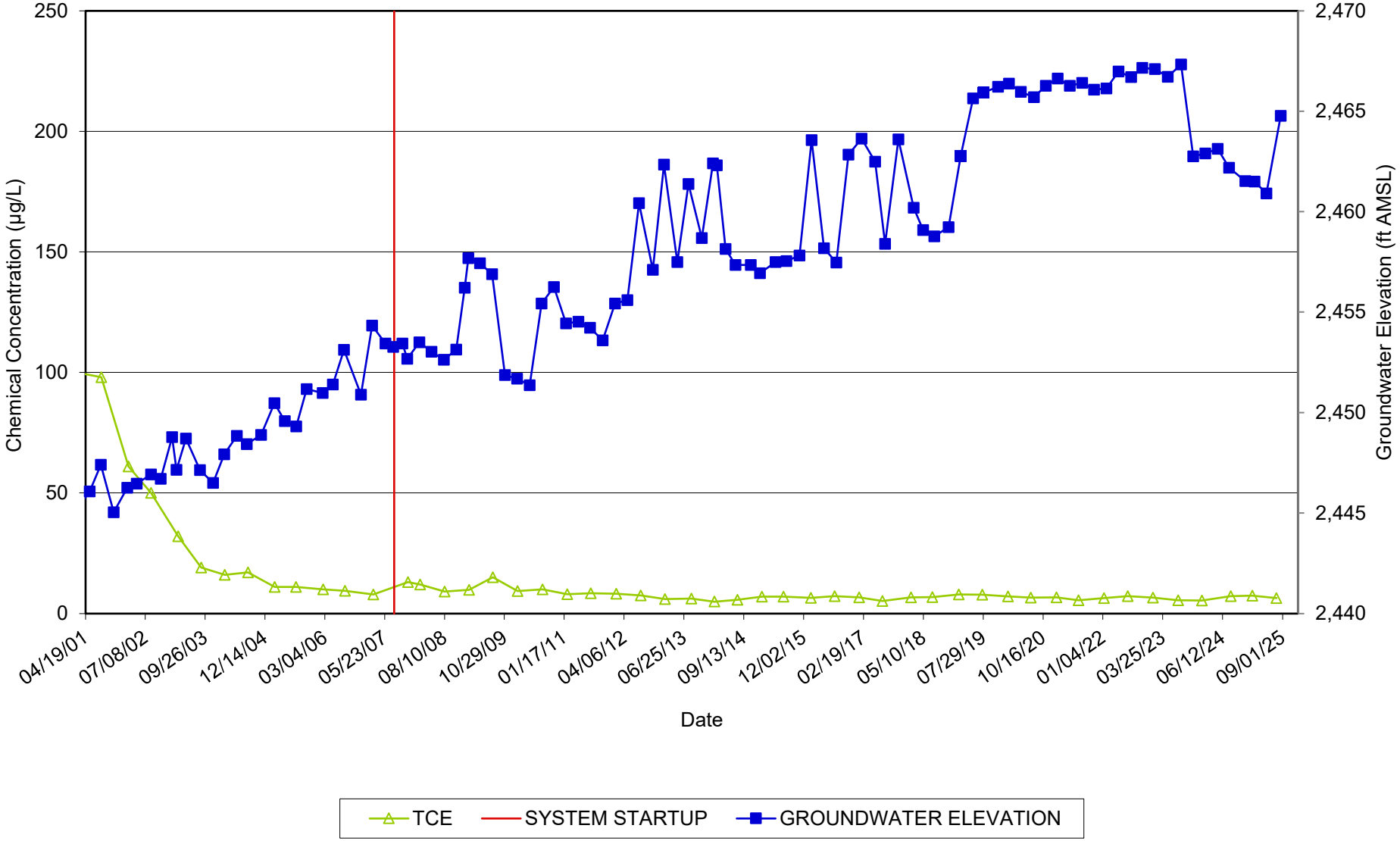
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
D-6



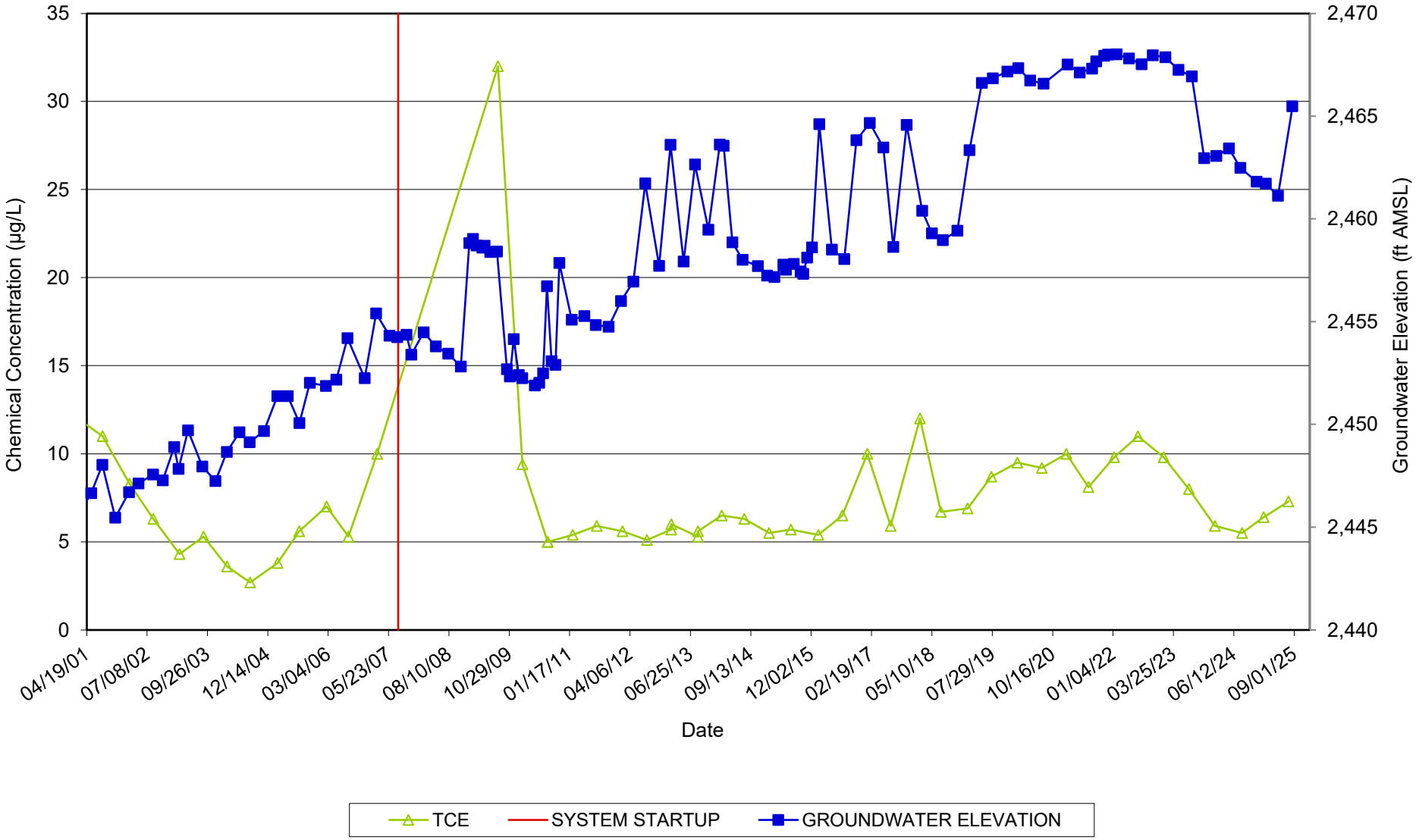
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
D-7



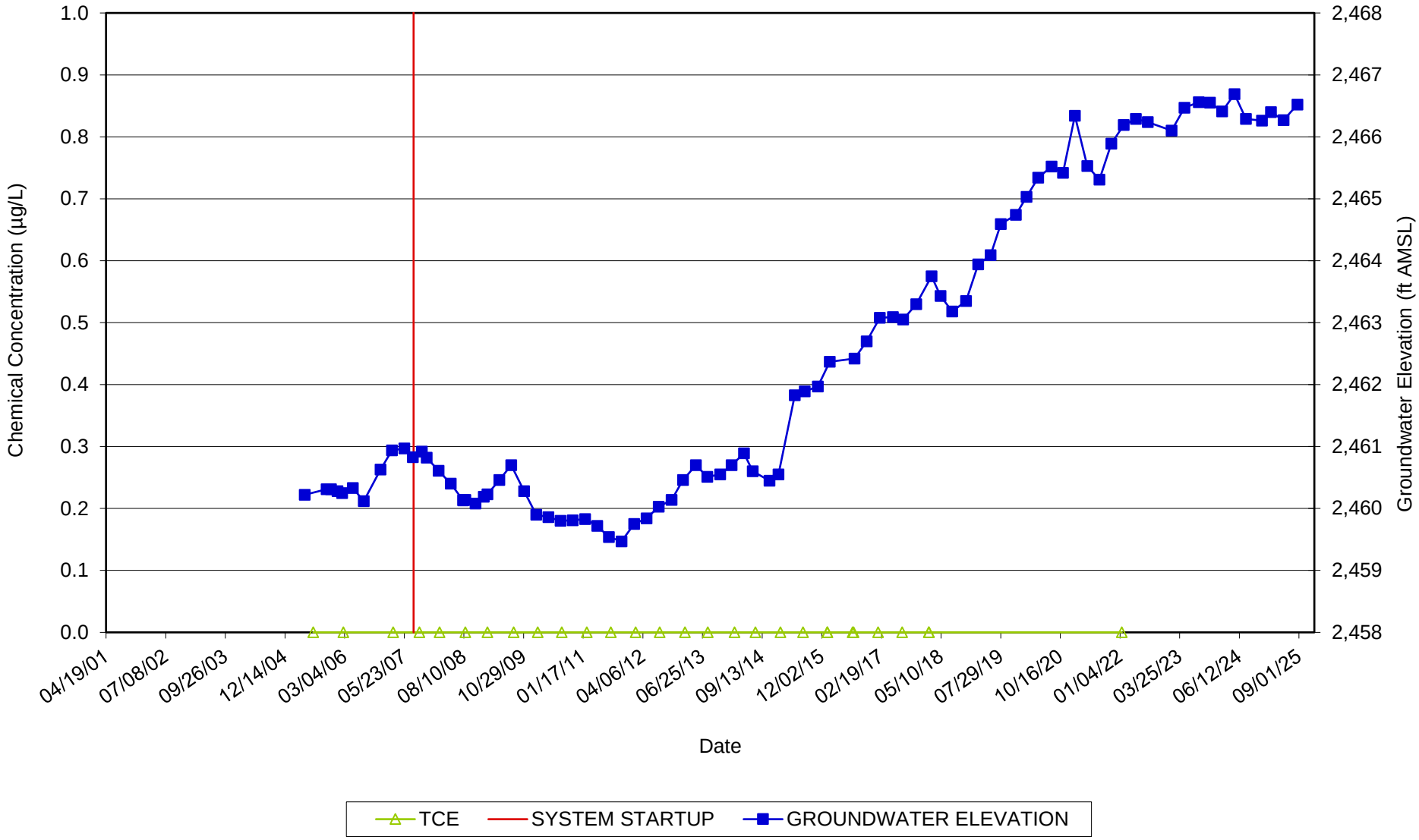
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
D-8



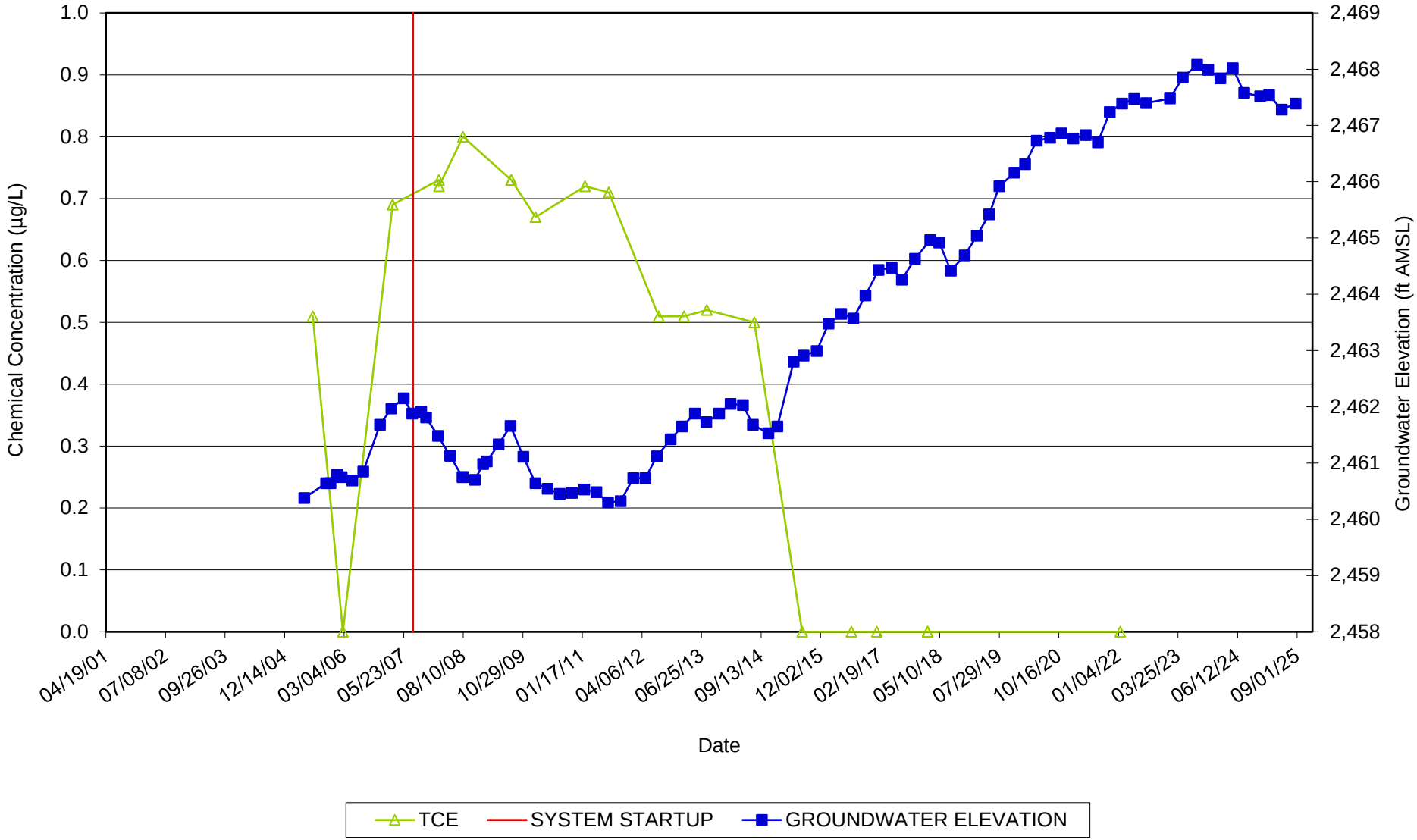
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
CRA-13



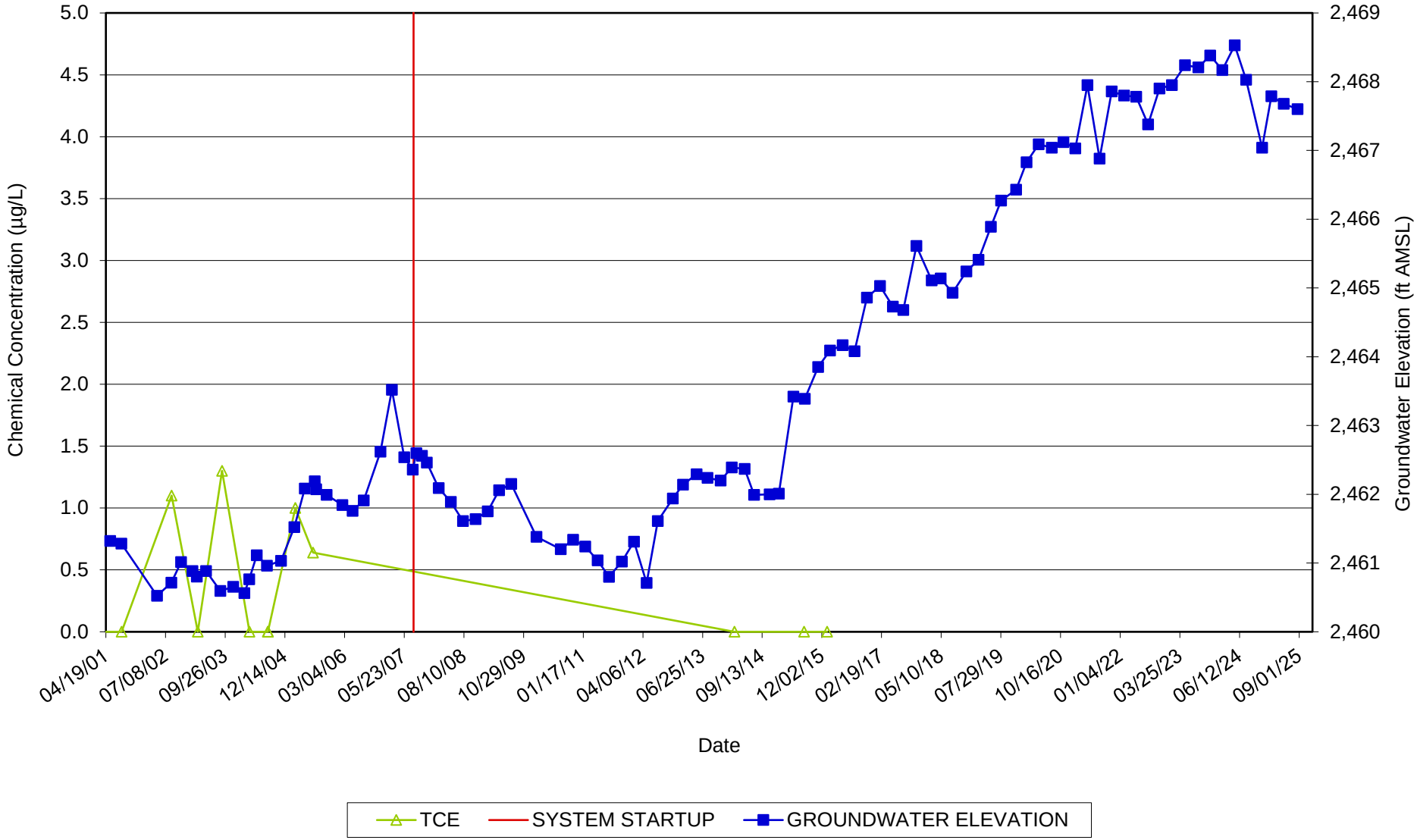
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
CRA-14



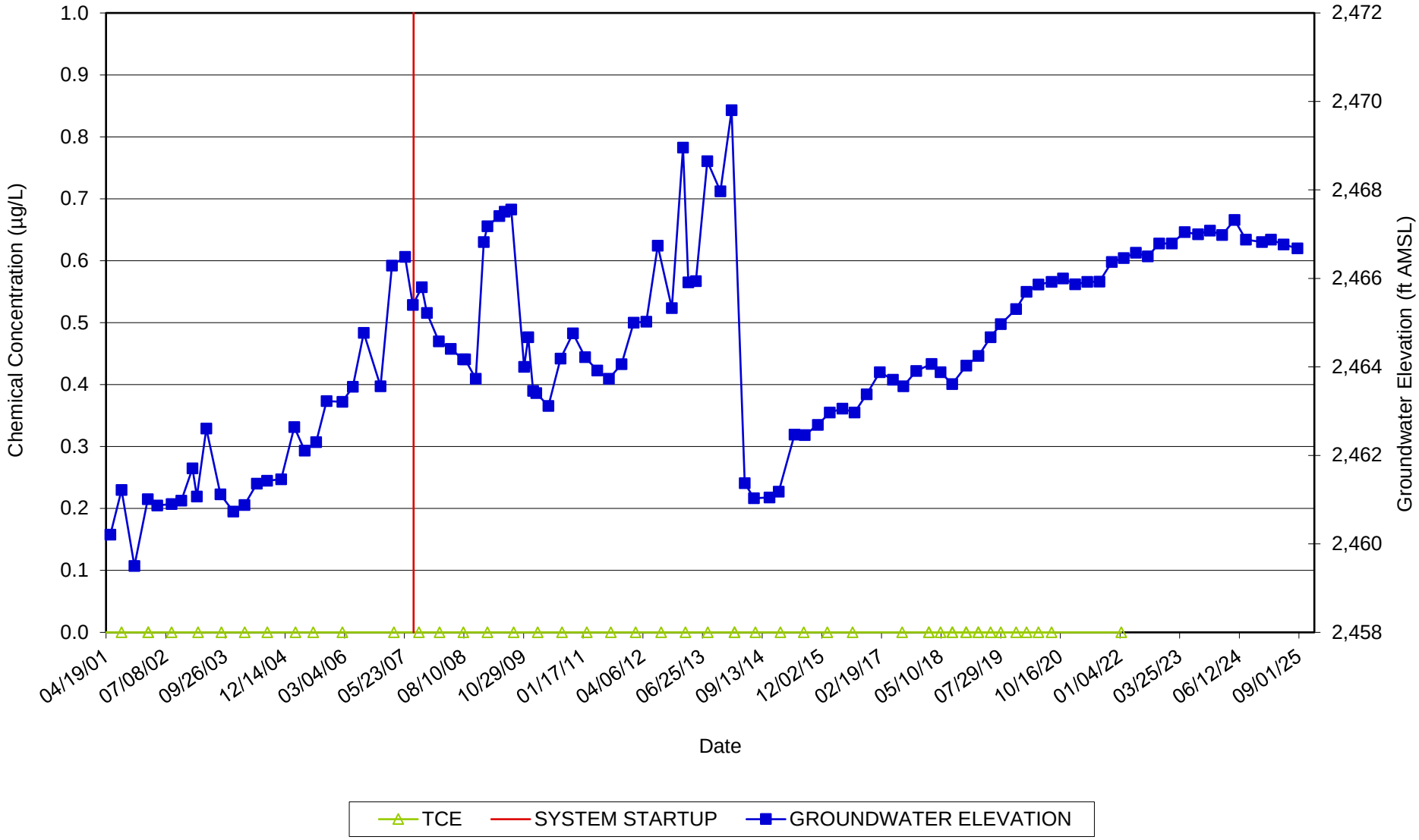
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
S-31



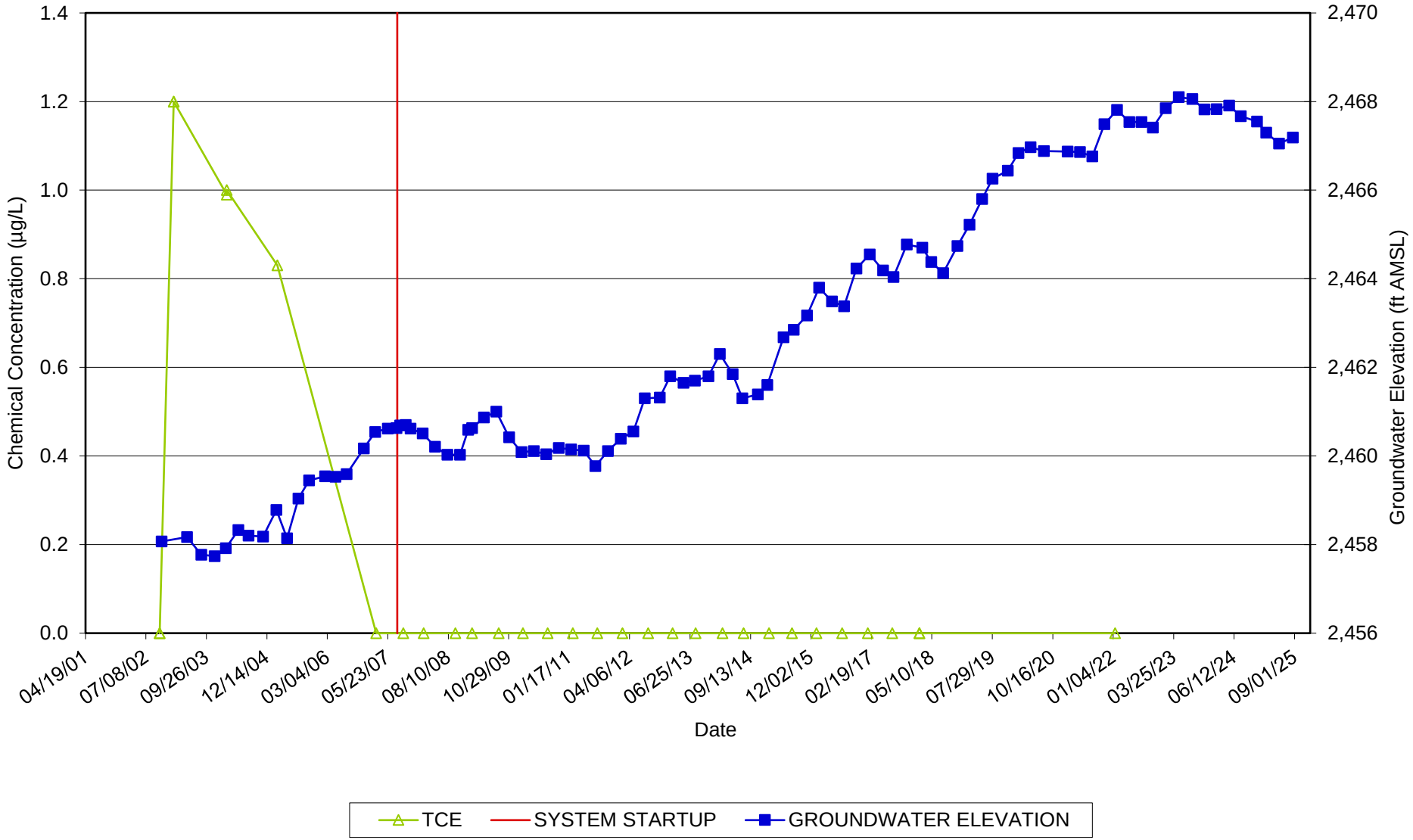
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
S-42



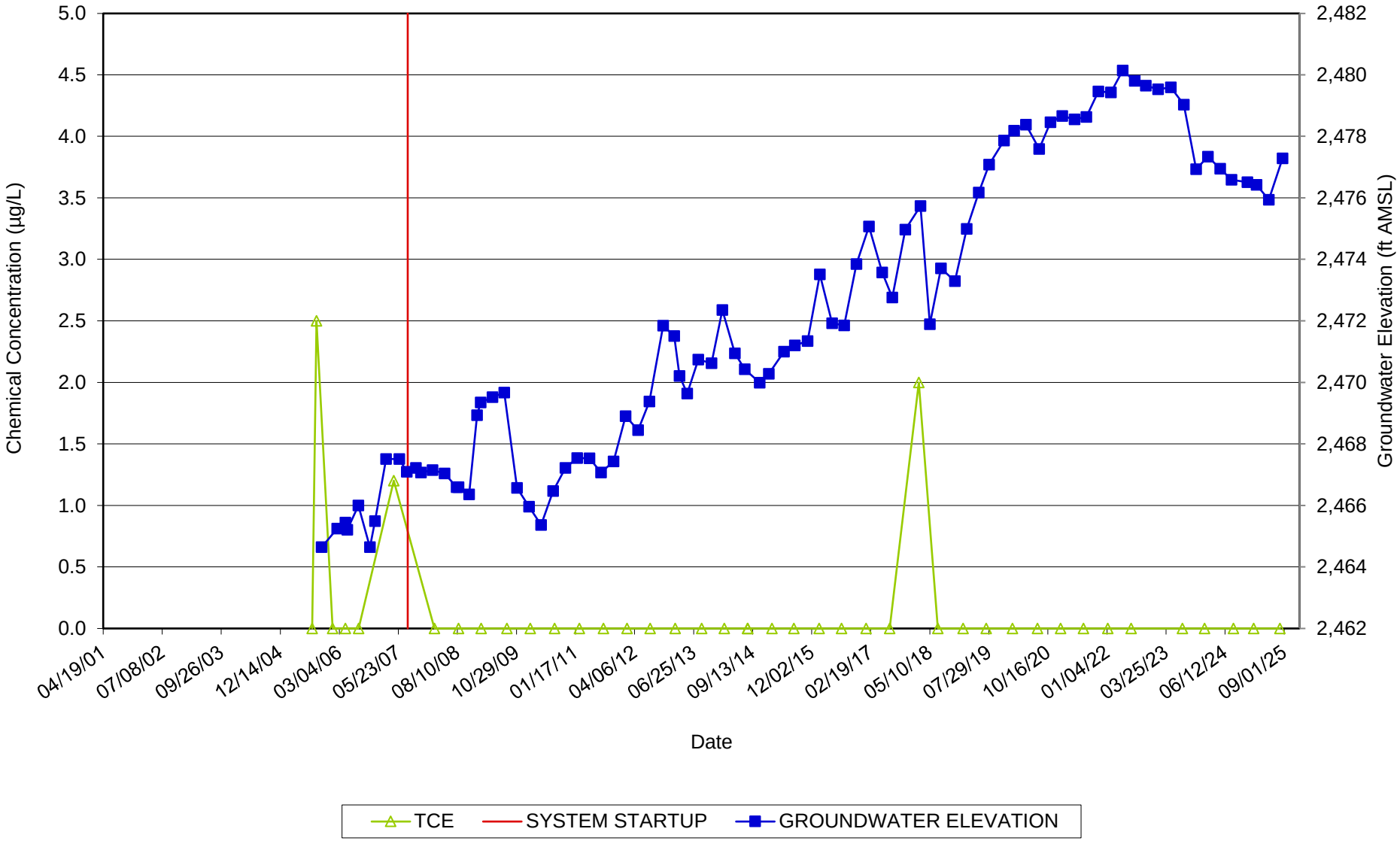
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
MWS-1



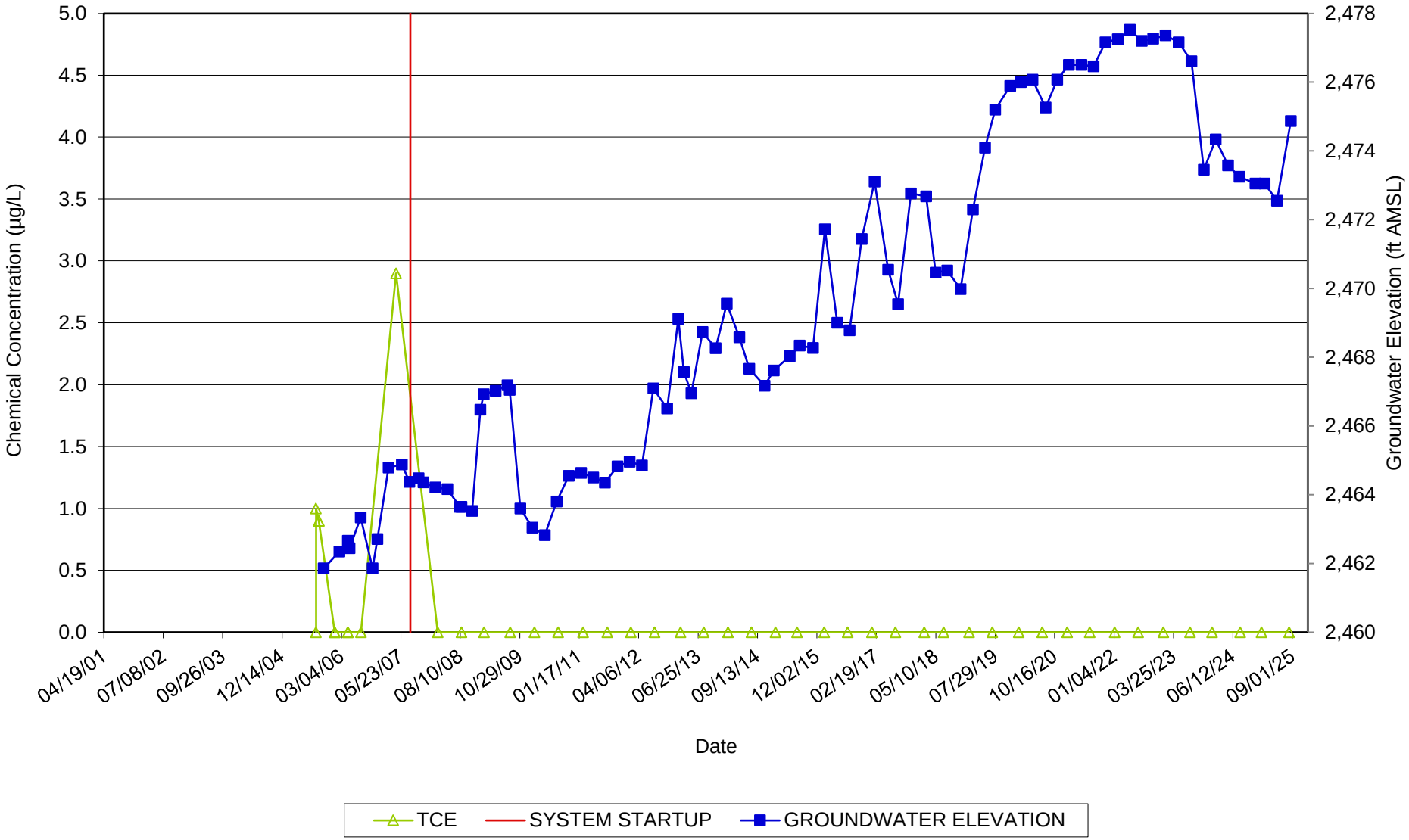
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
CRA-16



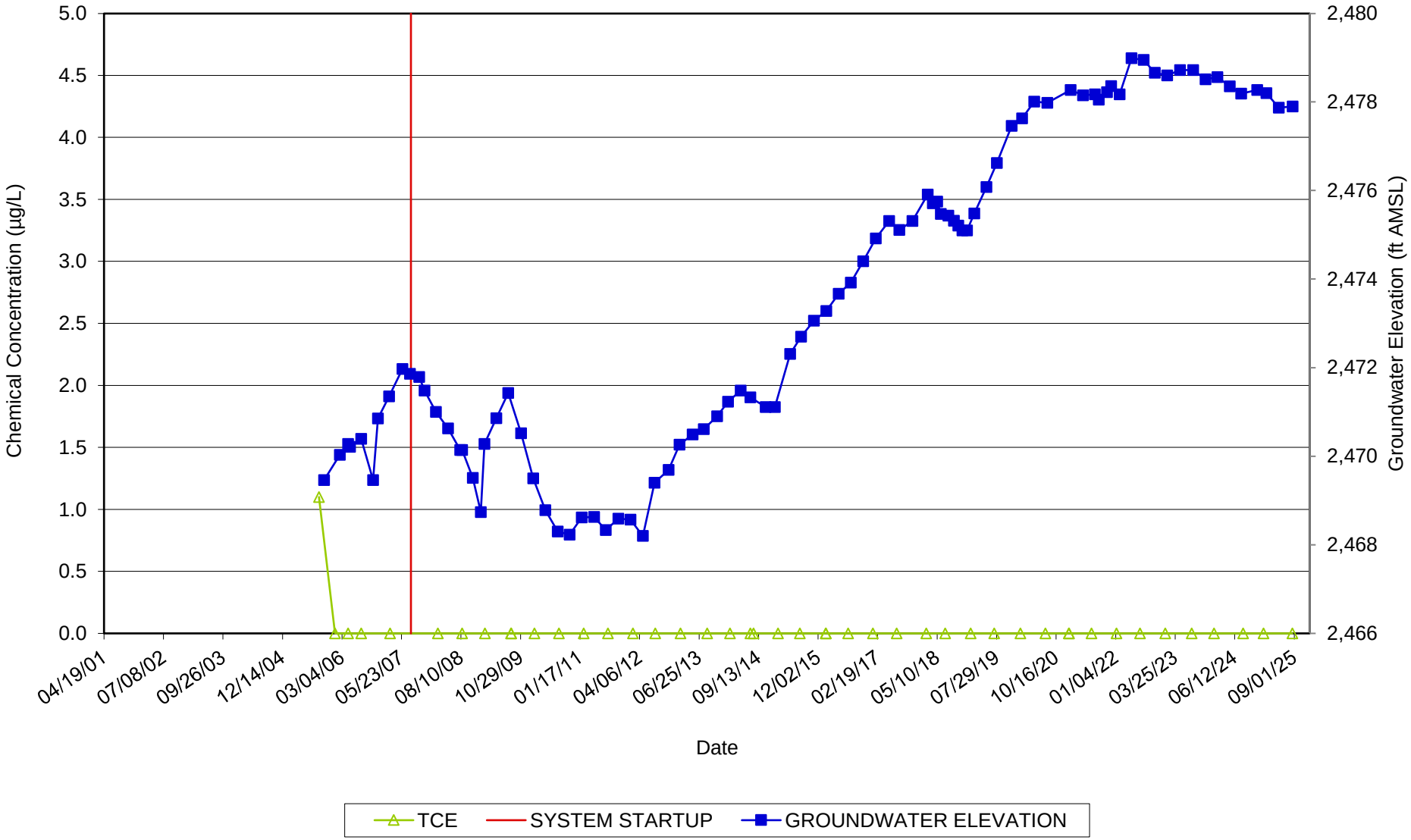
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
CRA-18



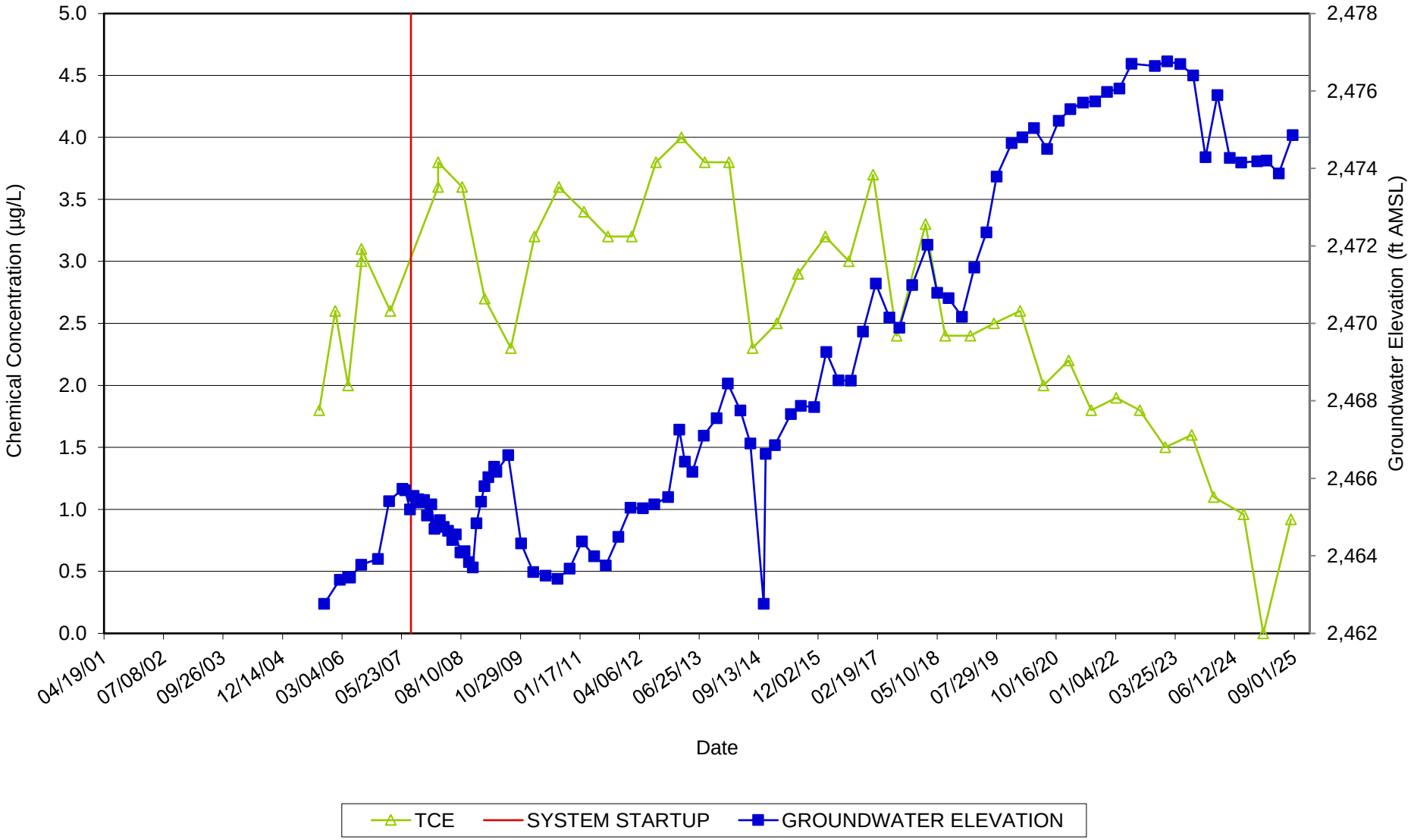
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
CRA-21S



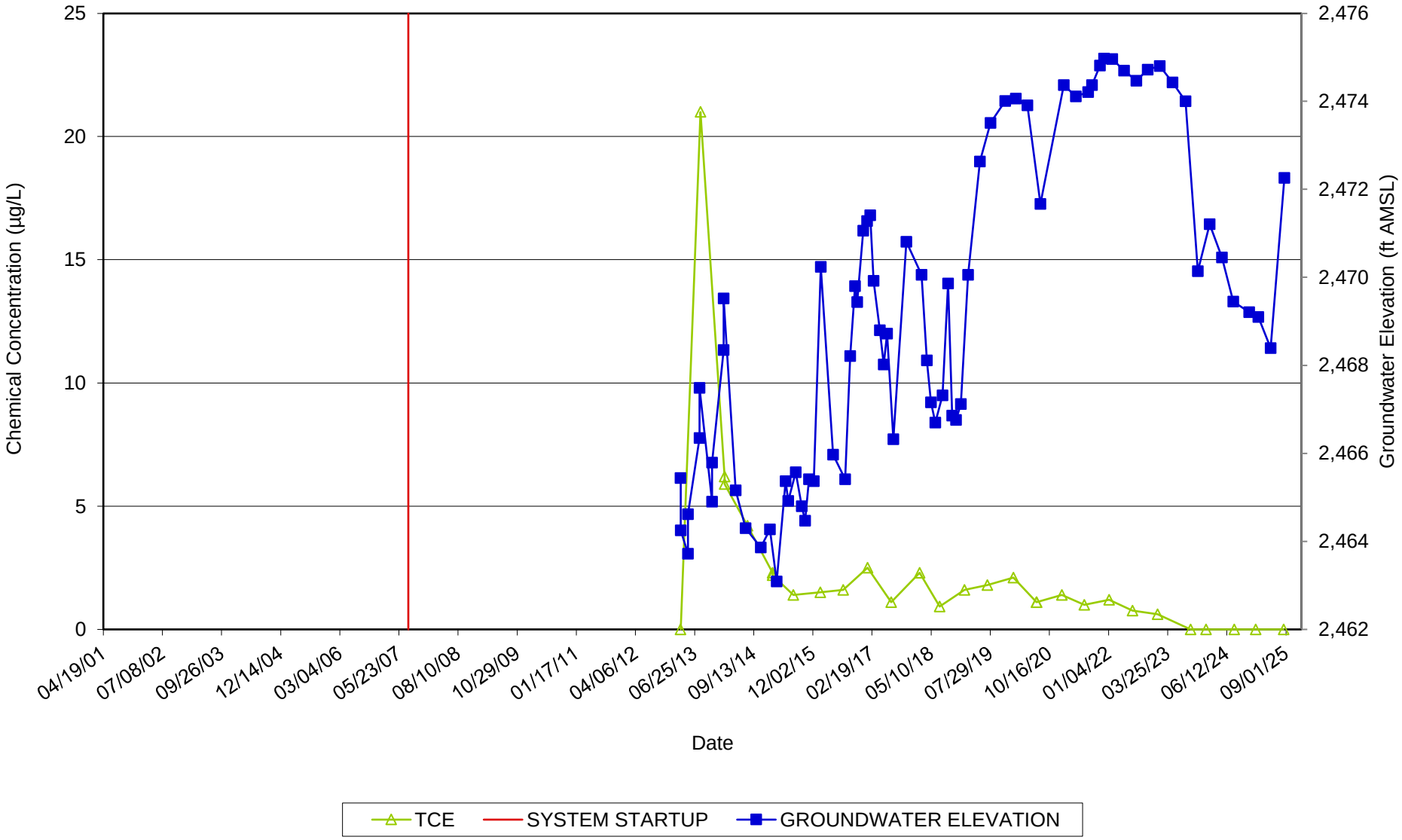
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
CRA-22S



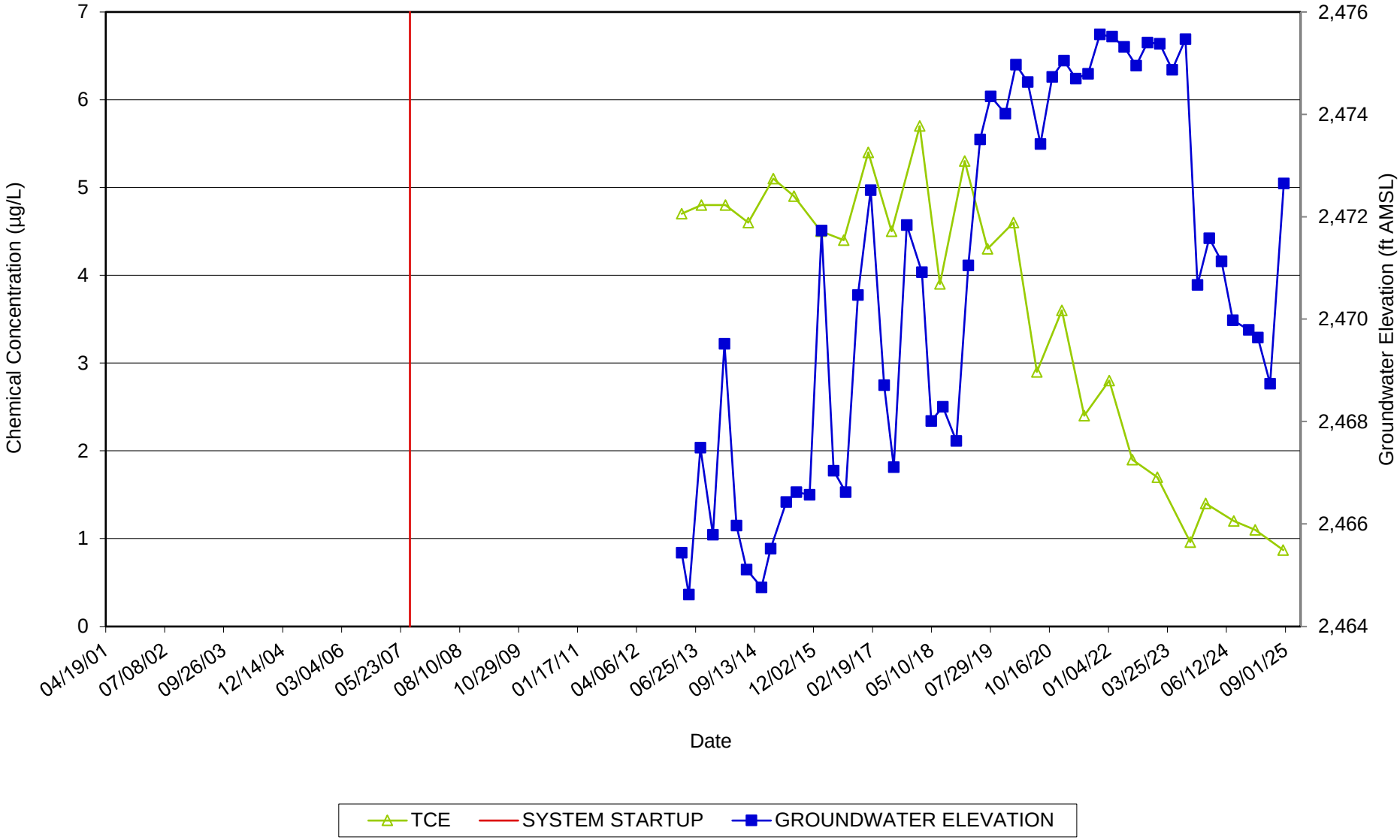
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
CRA-61S



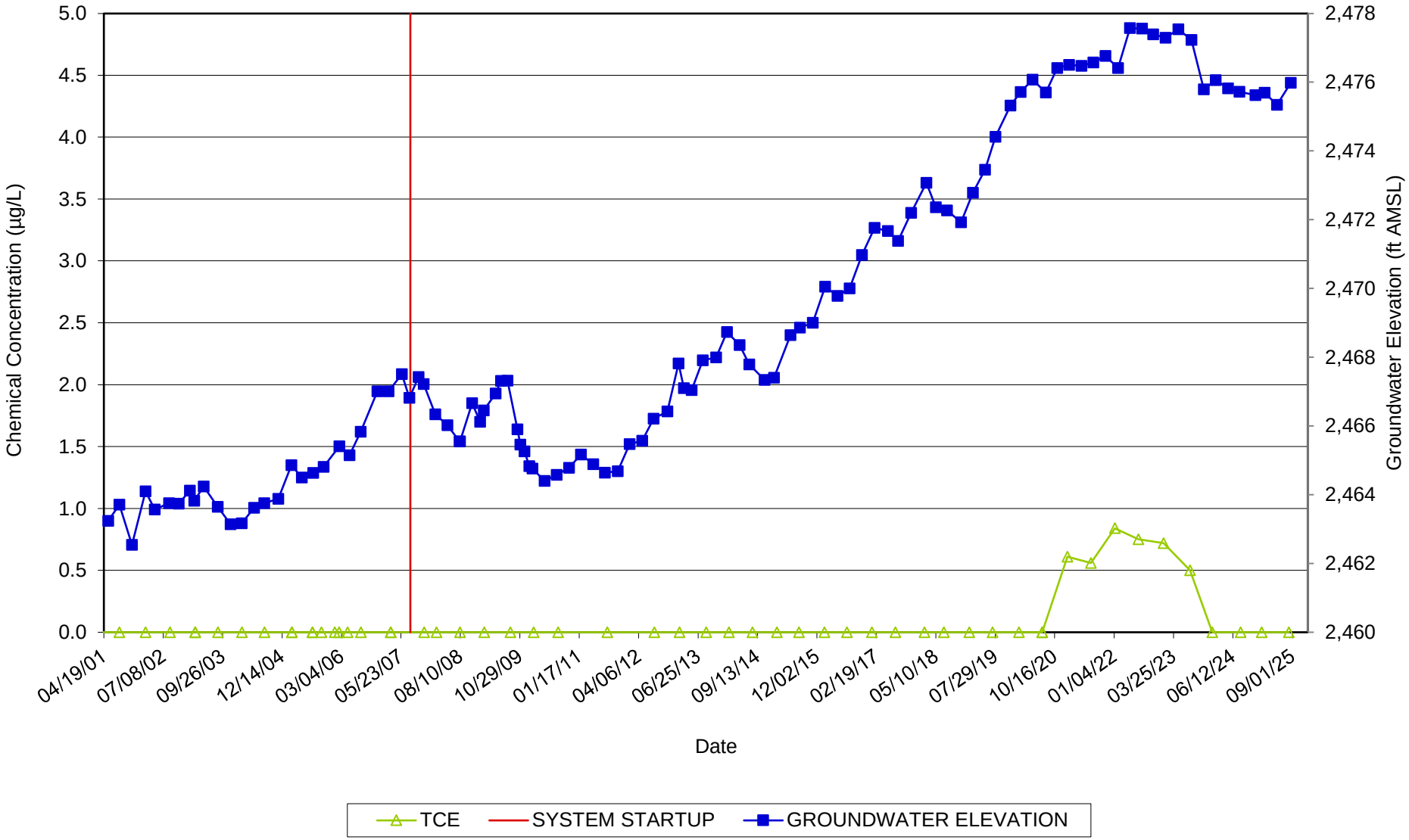
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
CRA-62S



µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
S-30



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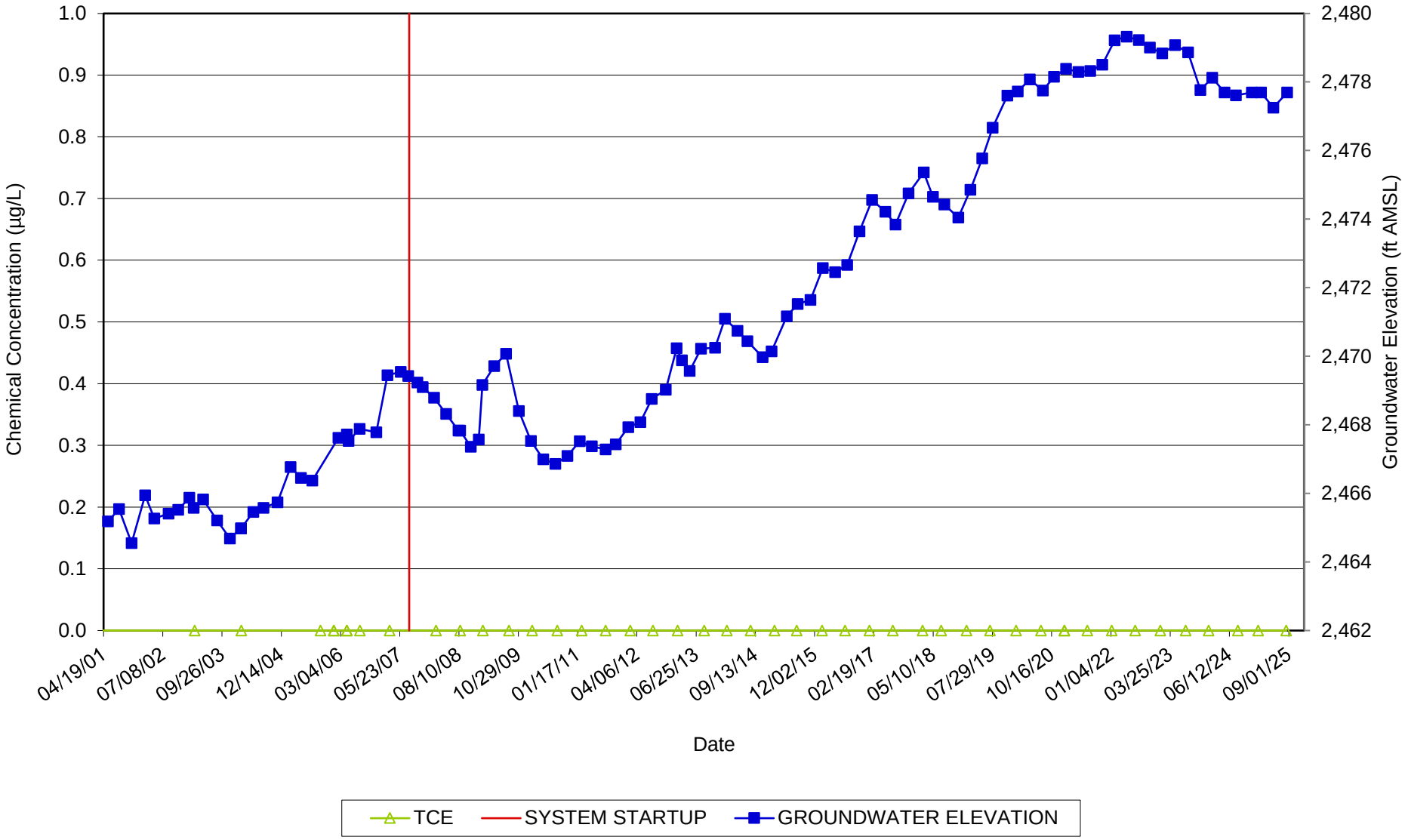
Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
S-35



µg/L - micrograms per liter
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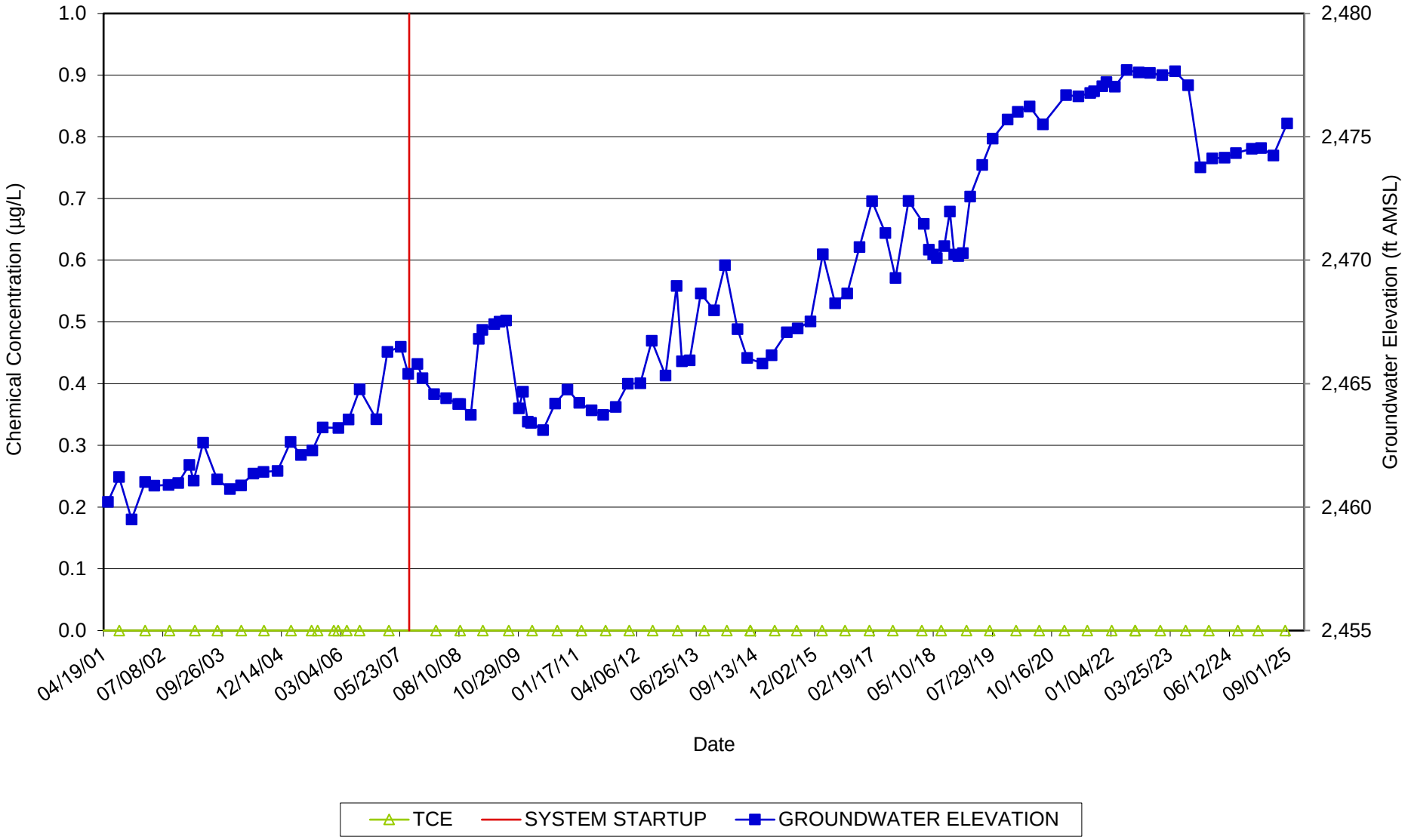
Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
S-41



µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
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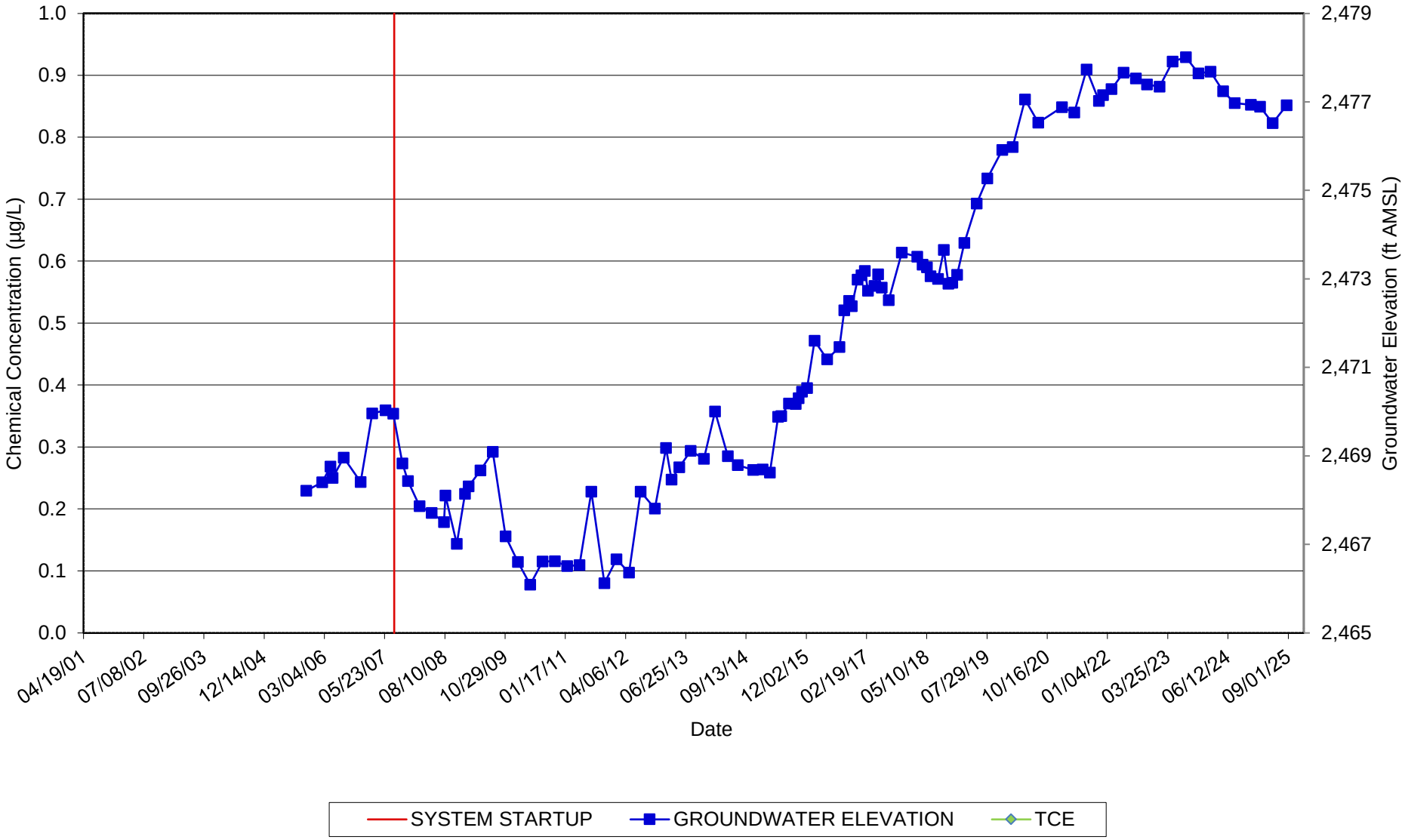
Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
CRA-21D



µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
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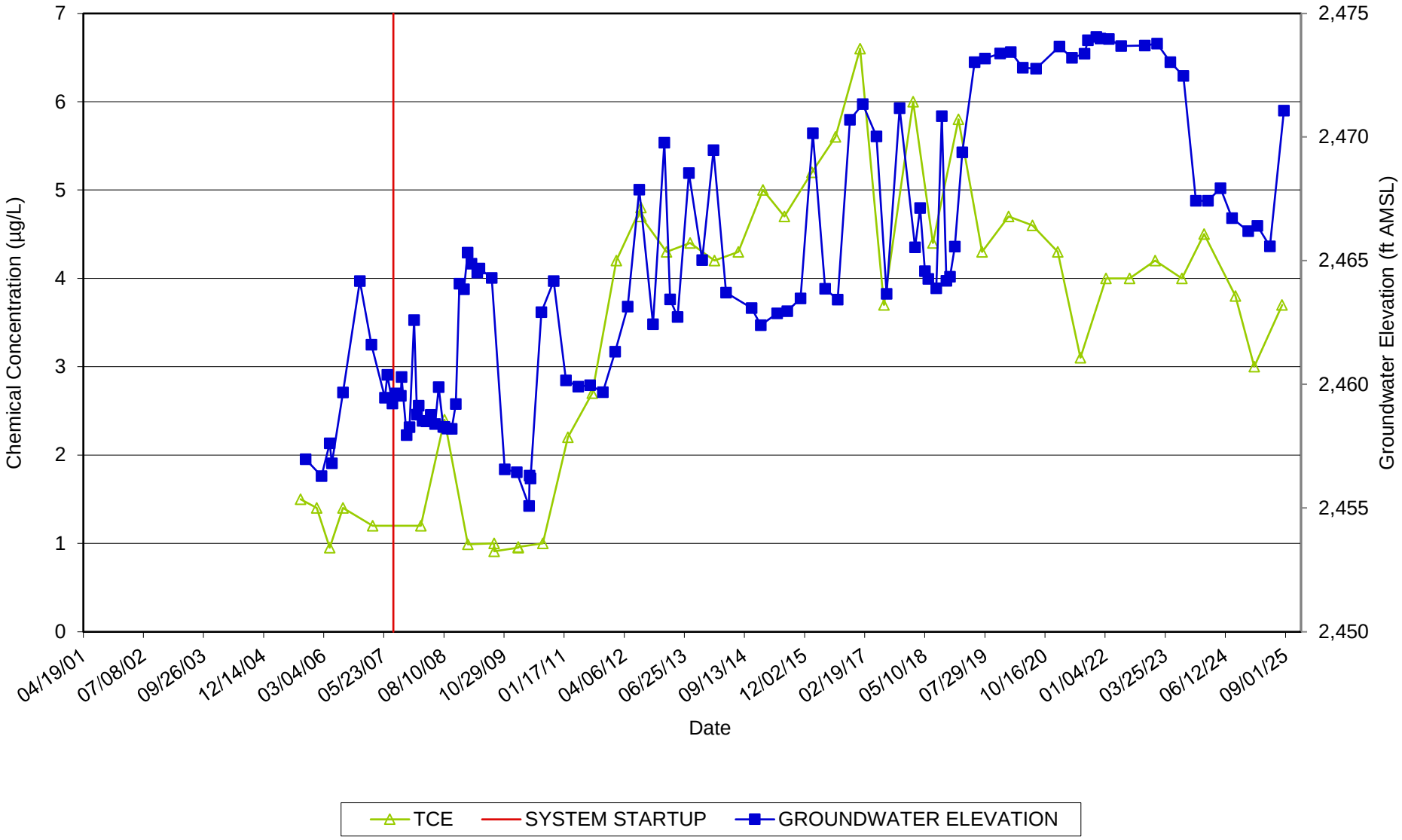
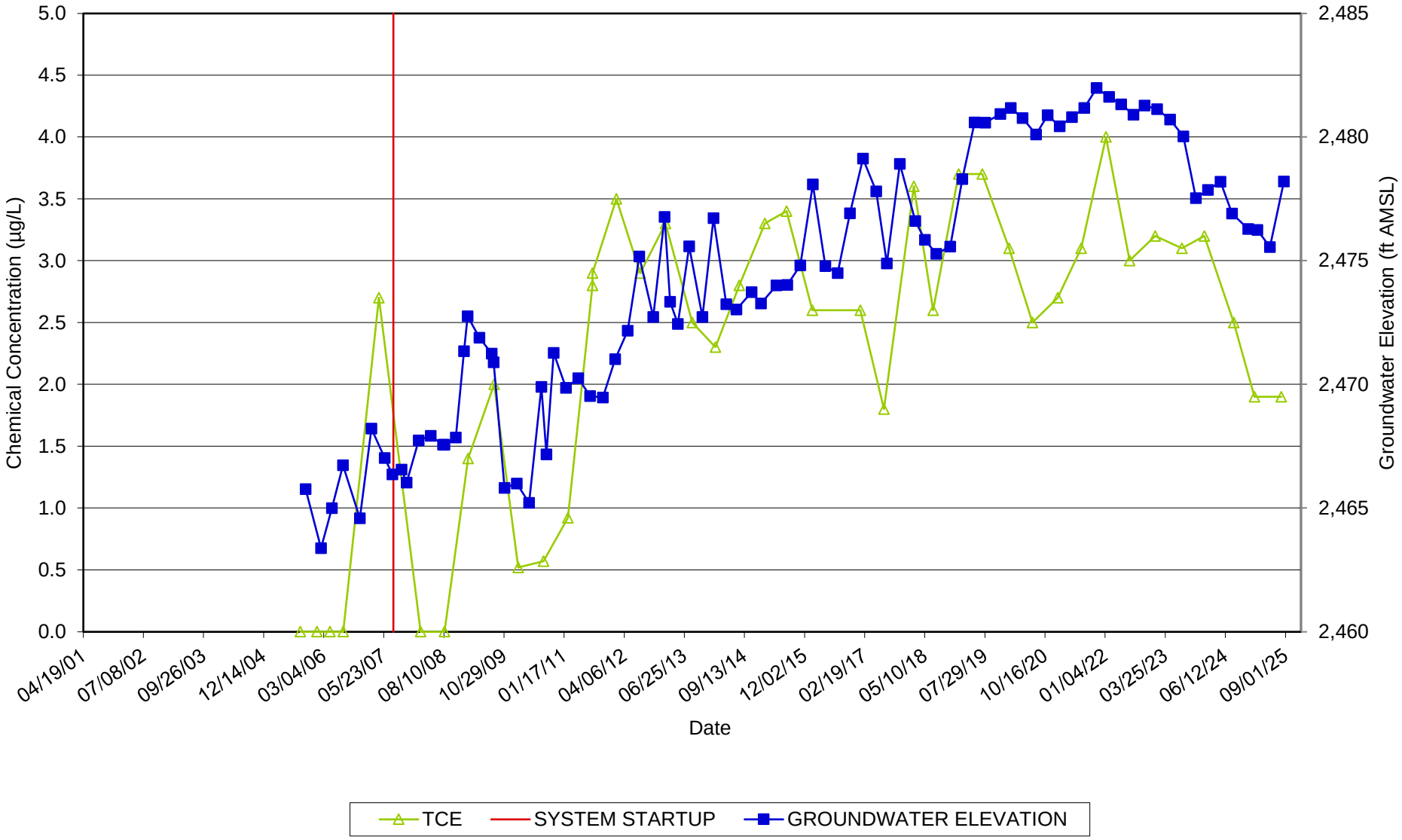
Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
CRA-22D



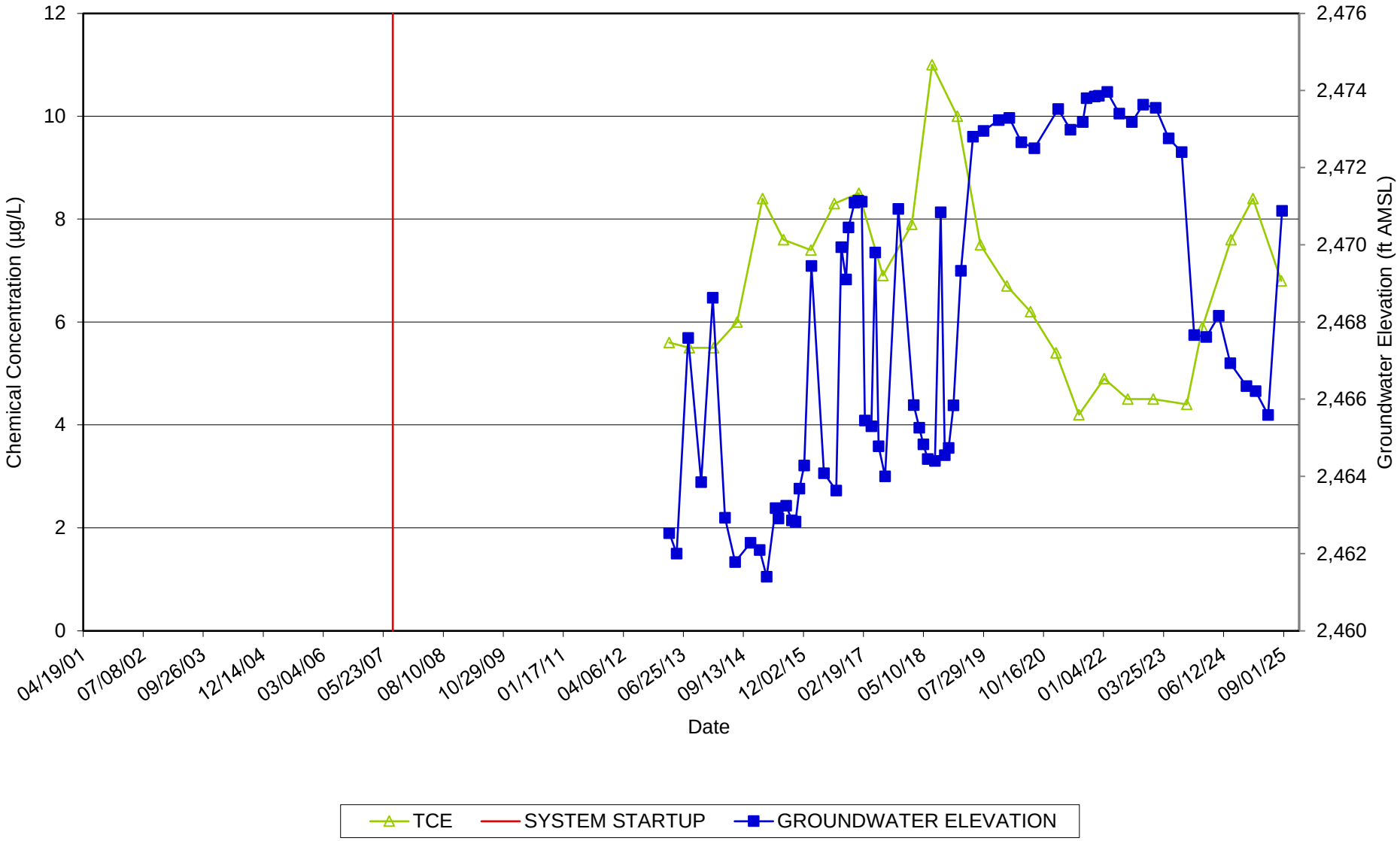
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
CRA-23



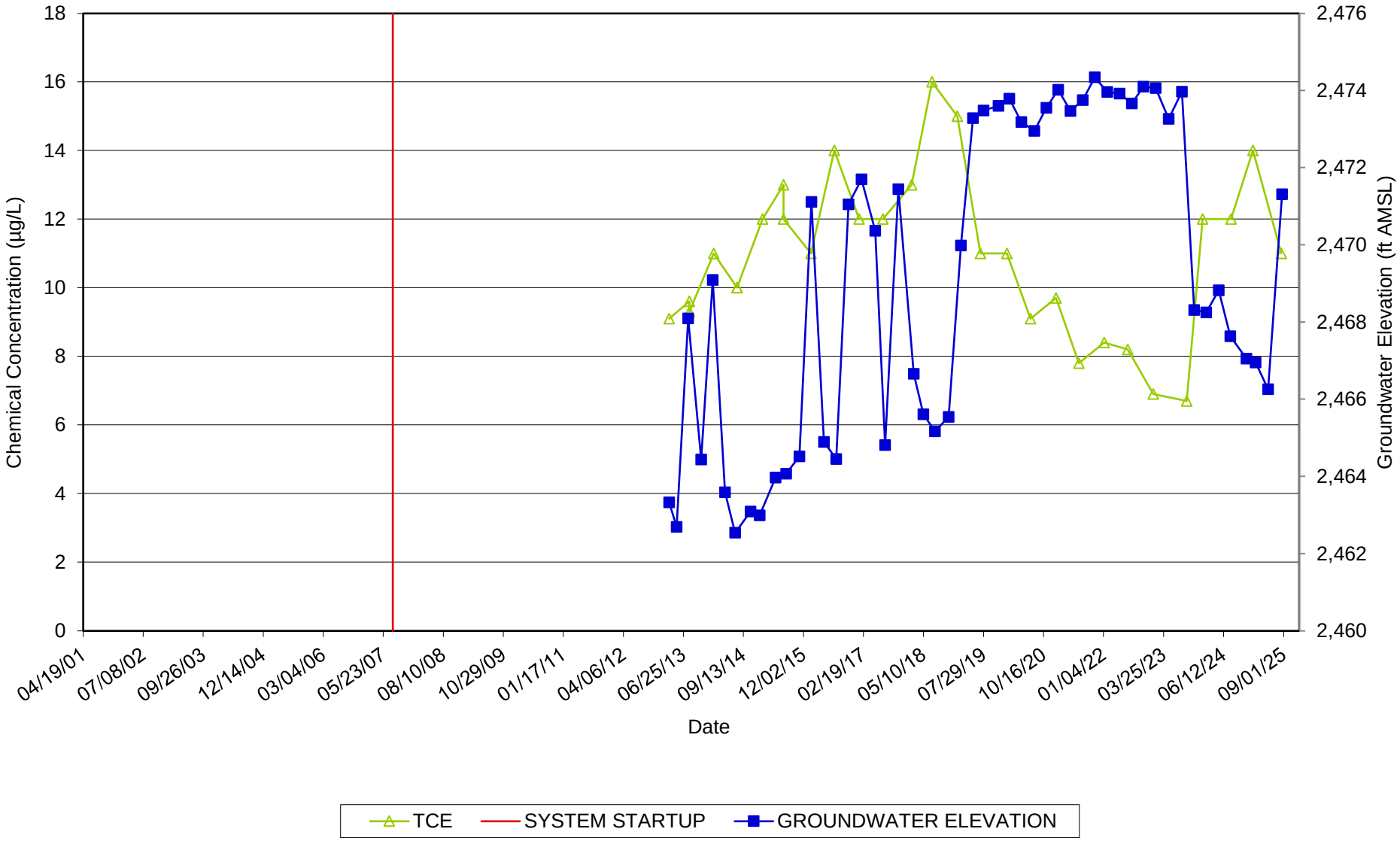
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
CRA-61D



µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
CRA-62D



µg/L - micrograms per liter
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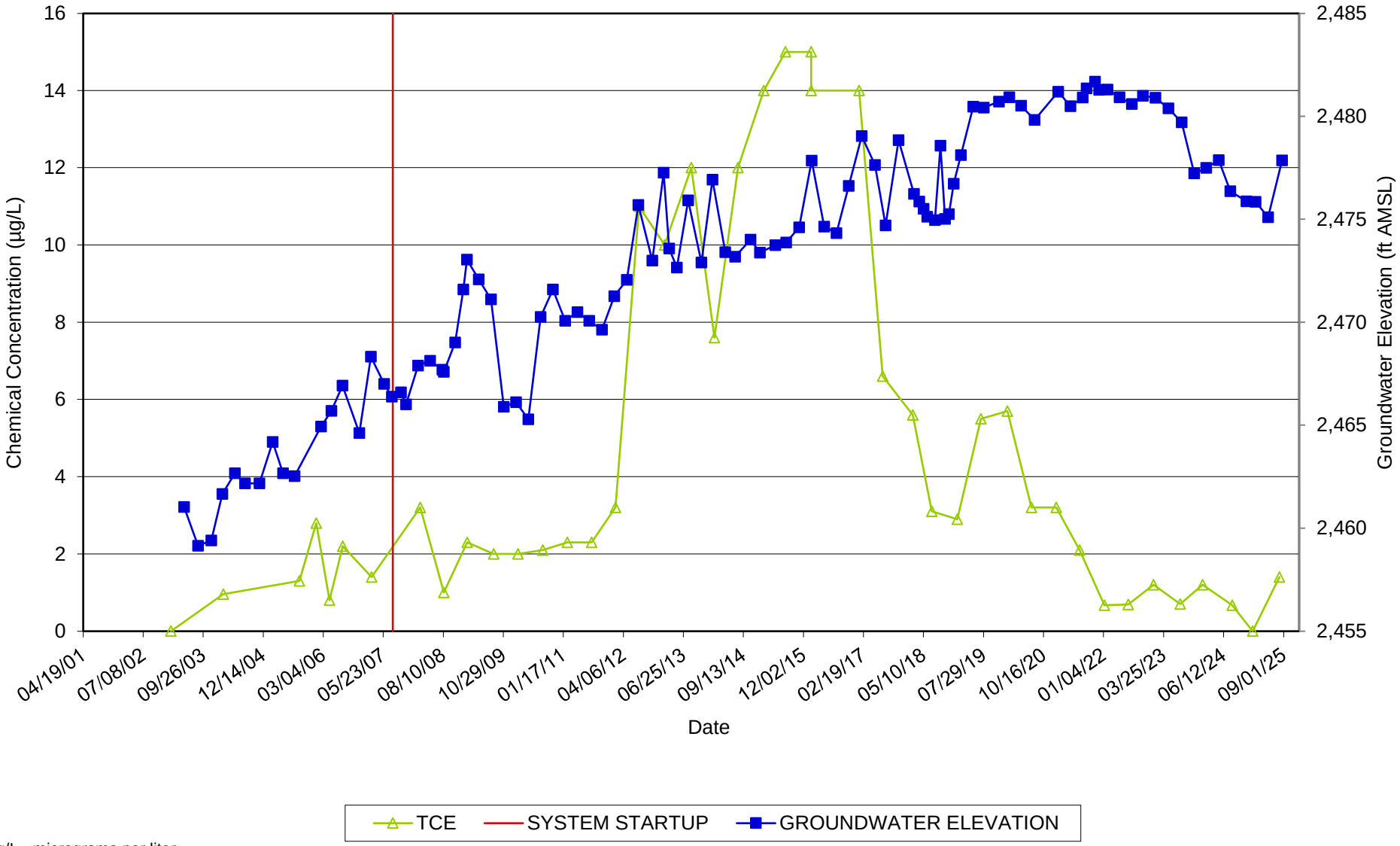
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
MWR-1



µg/L - micrograms per liter
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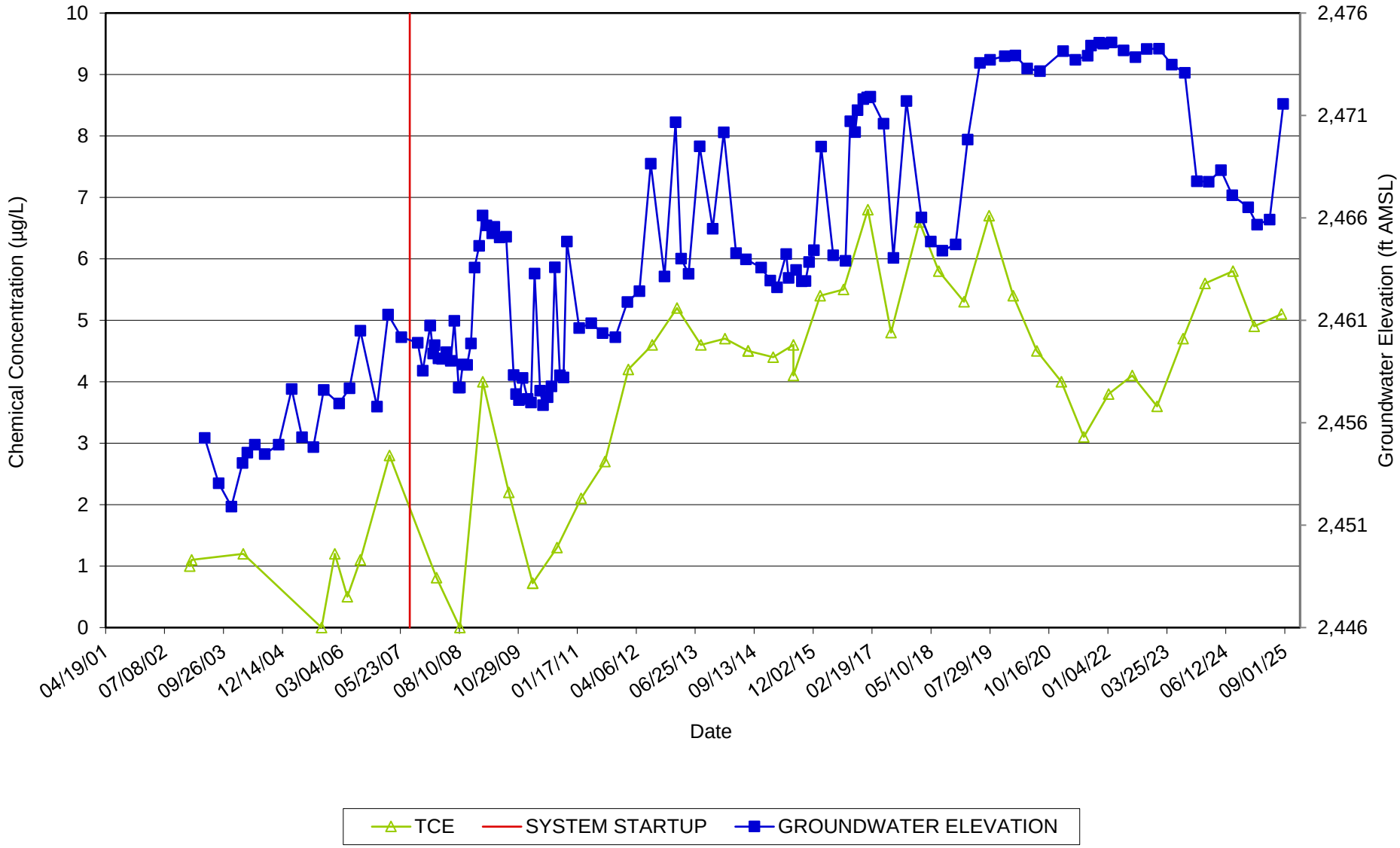
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
MWR-2



µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
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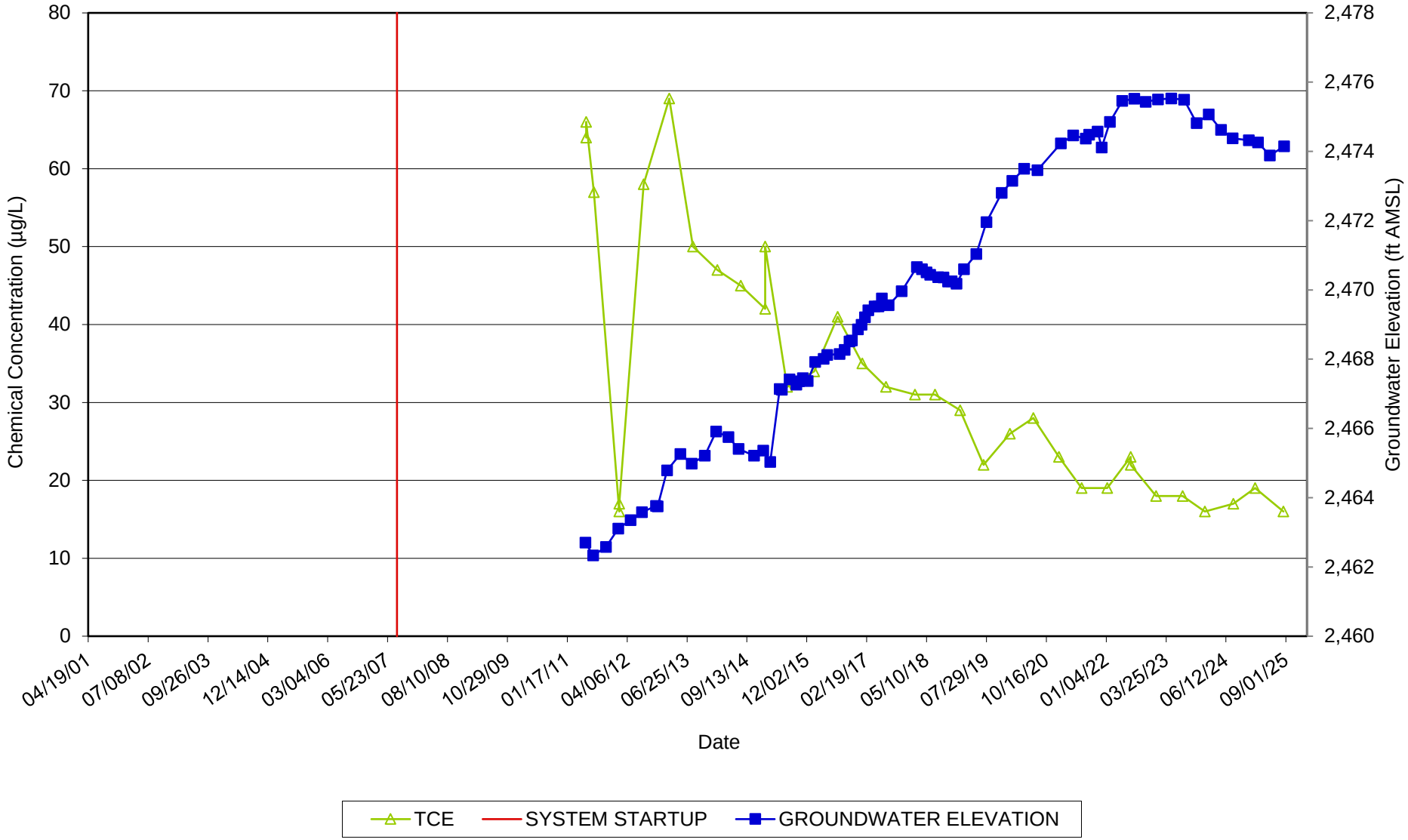
Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
CRA-38S



µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
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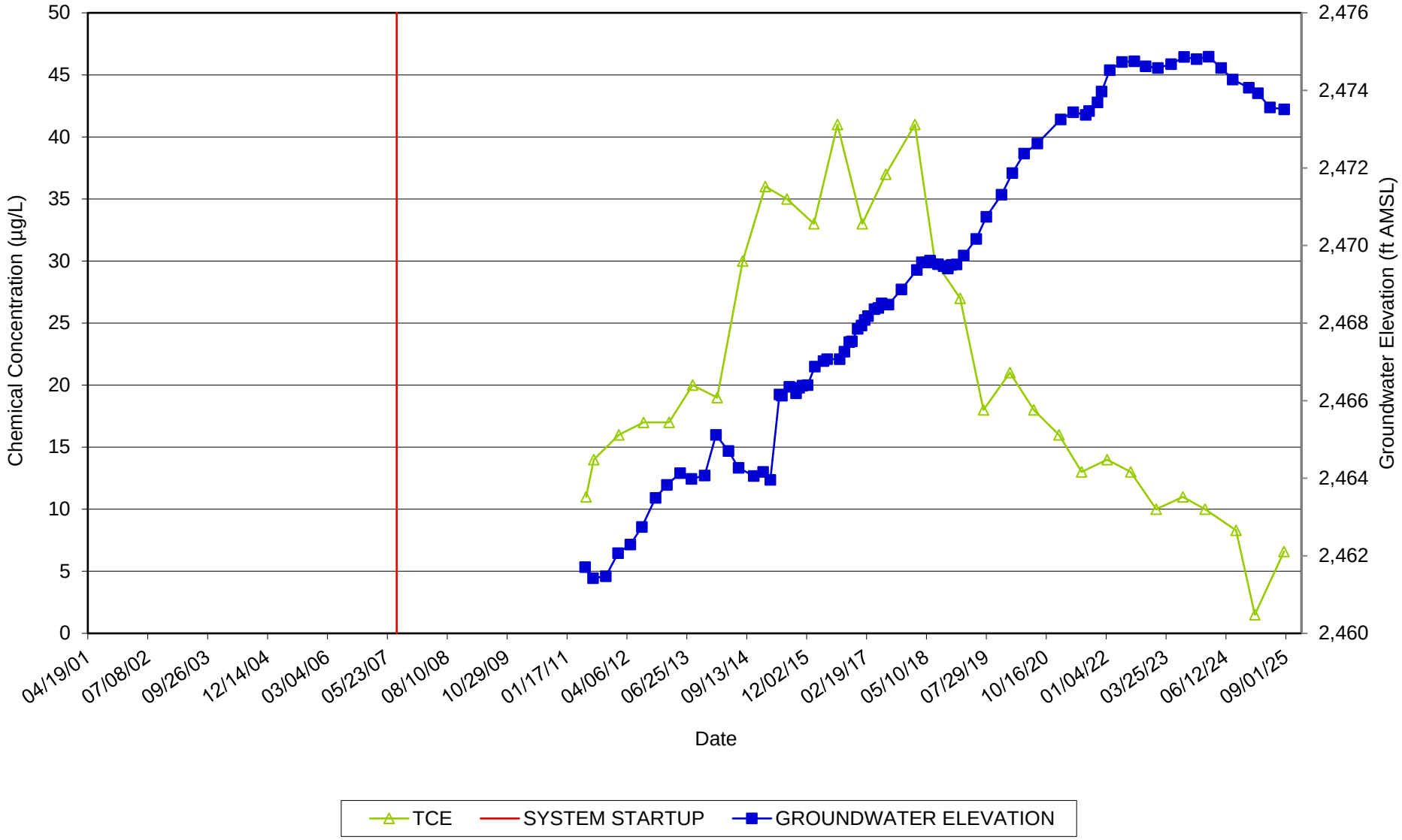
TIAA Superfund Site - Airport Property
Tucson, Arizona
CRA-39S



µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
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Groundwater Elevations and
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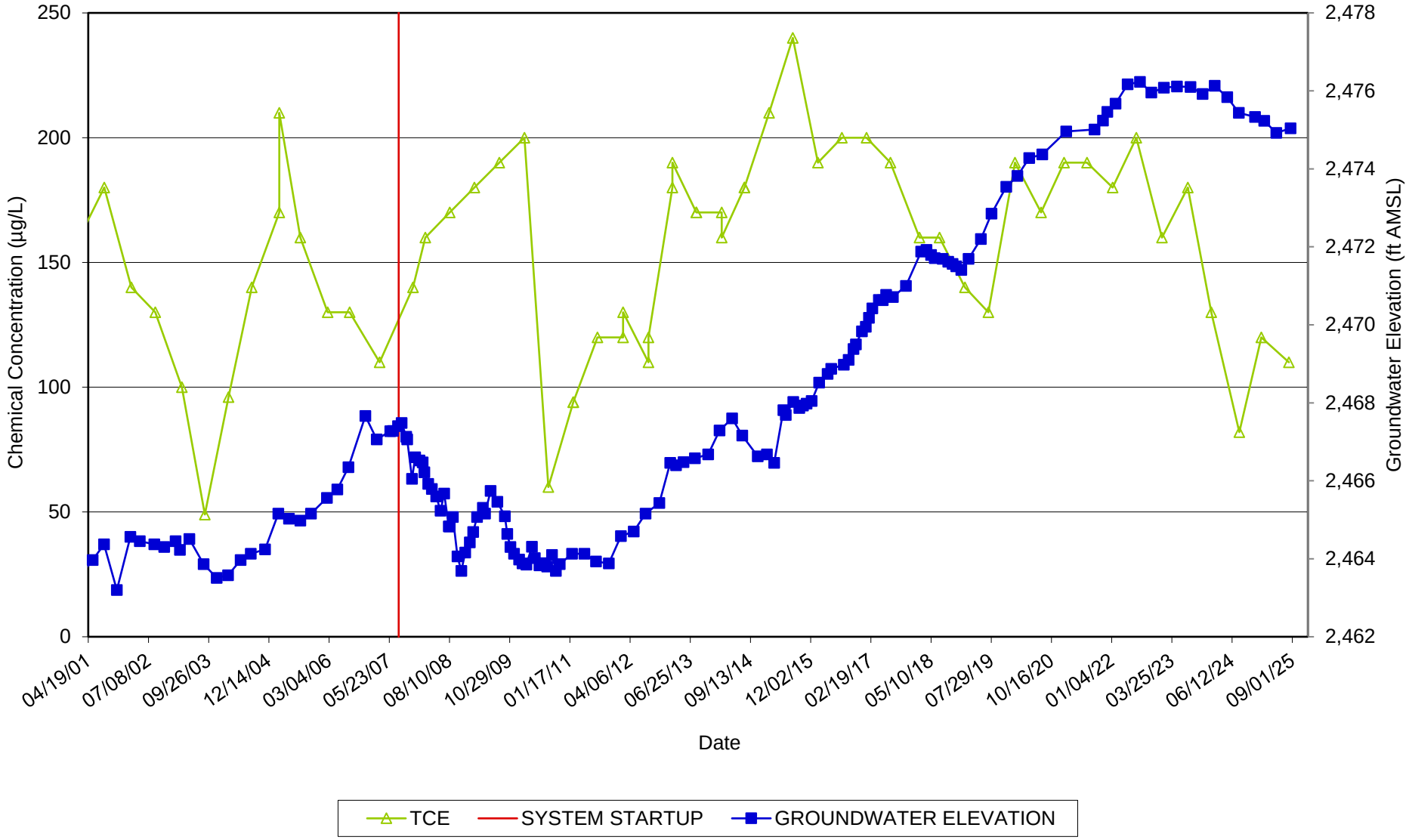
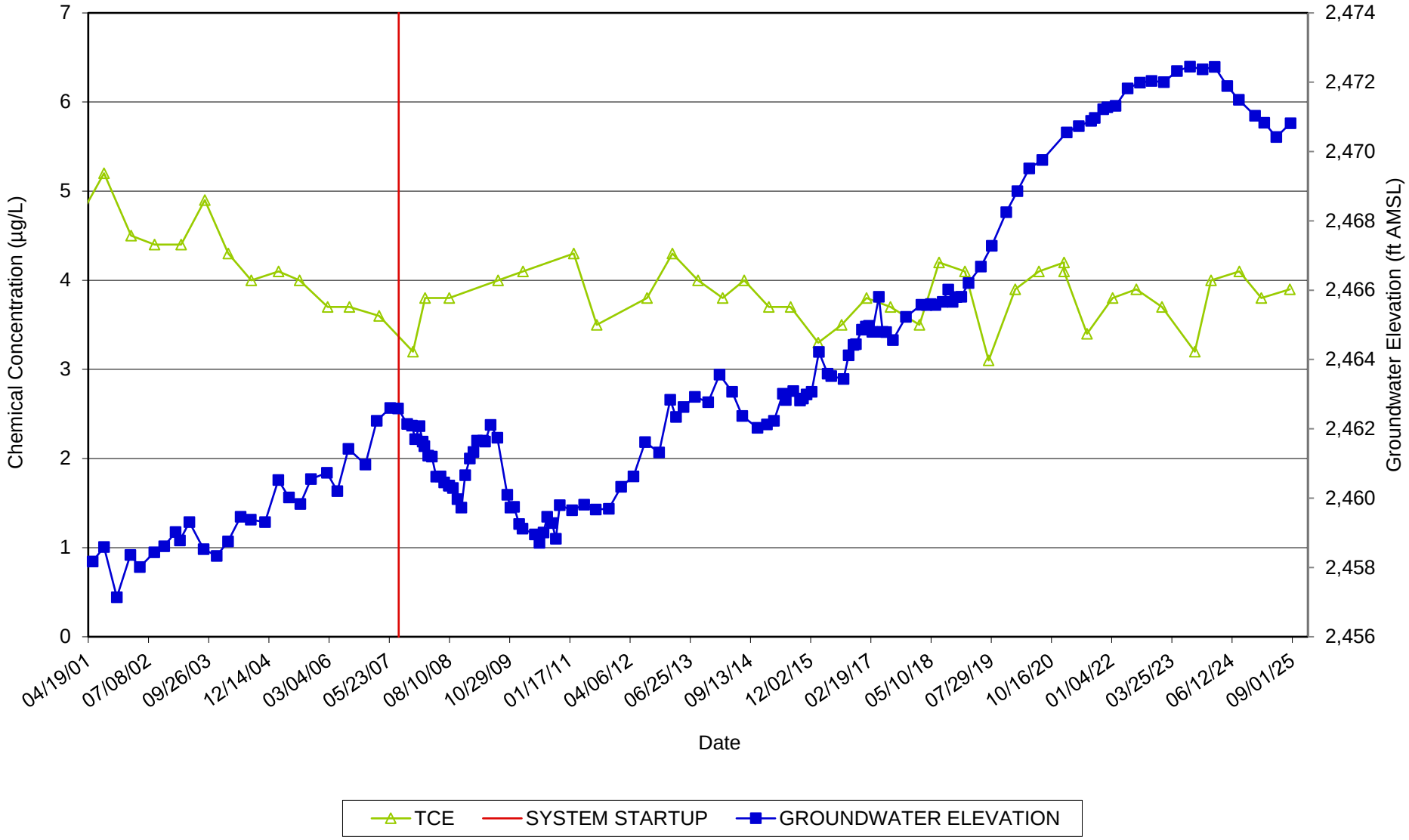
TIAA Superfund Site - Airport Property
Tucson, Arizona
S-17



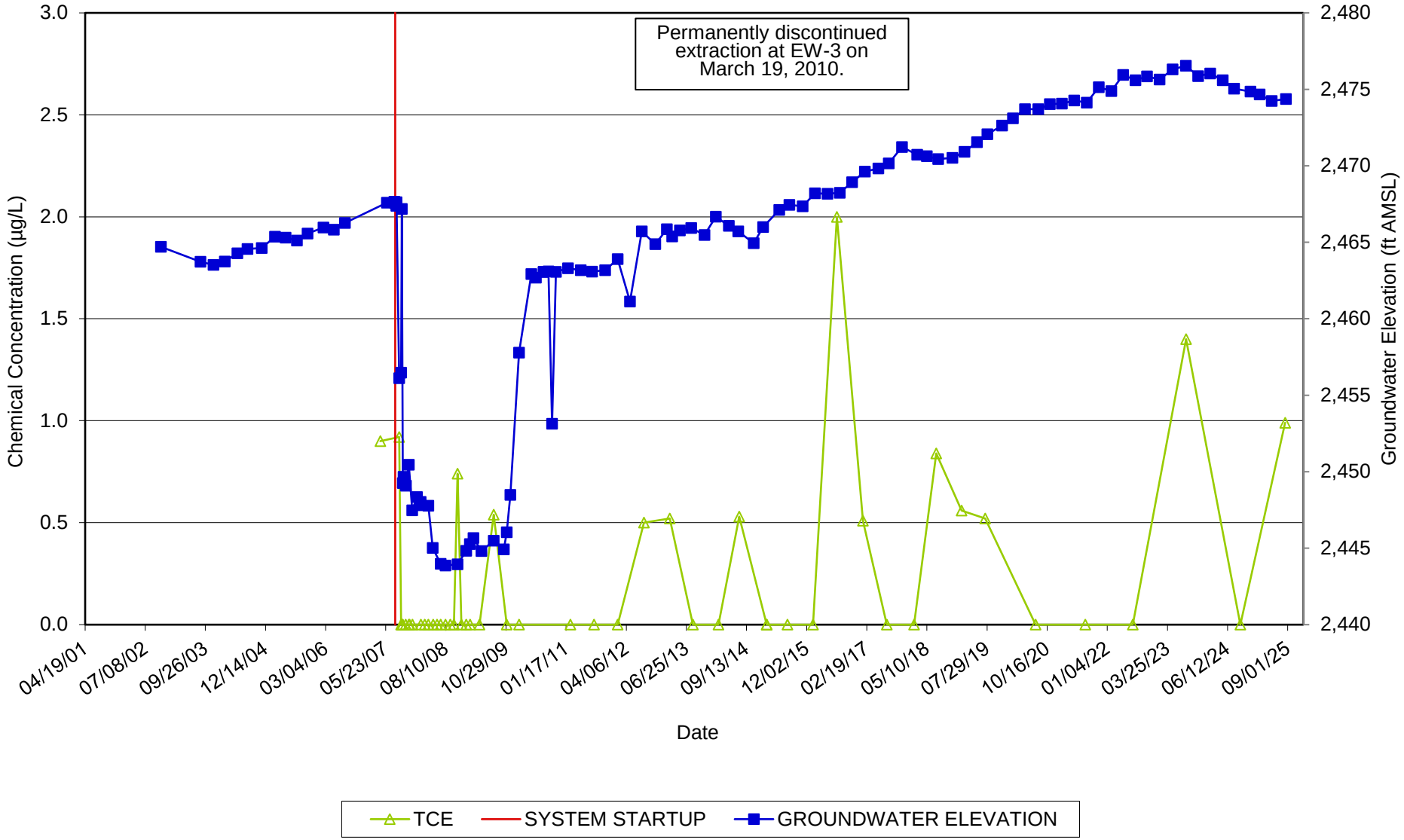
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
S-25



µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
EW-3



µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
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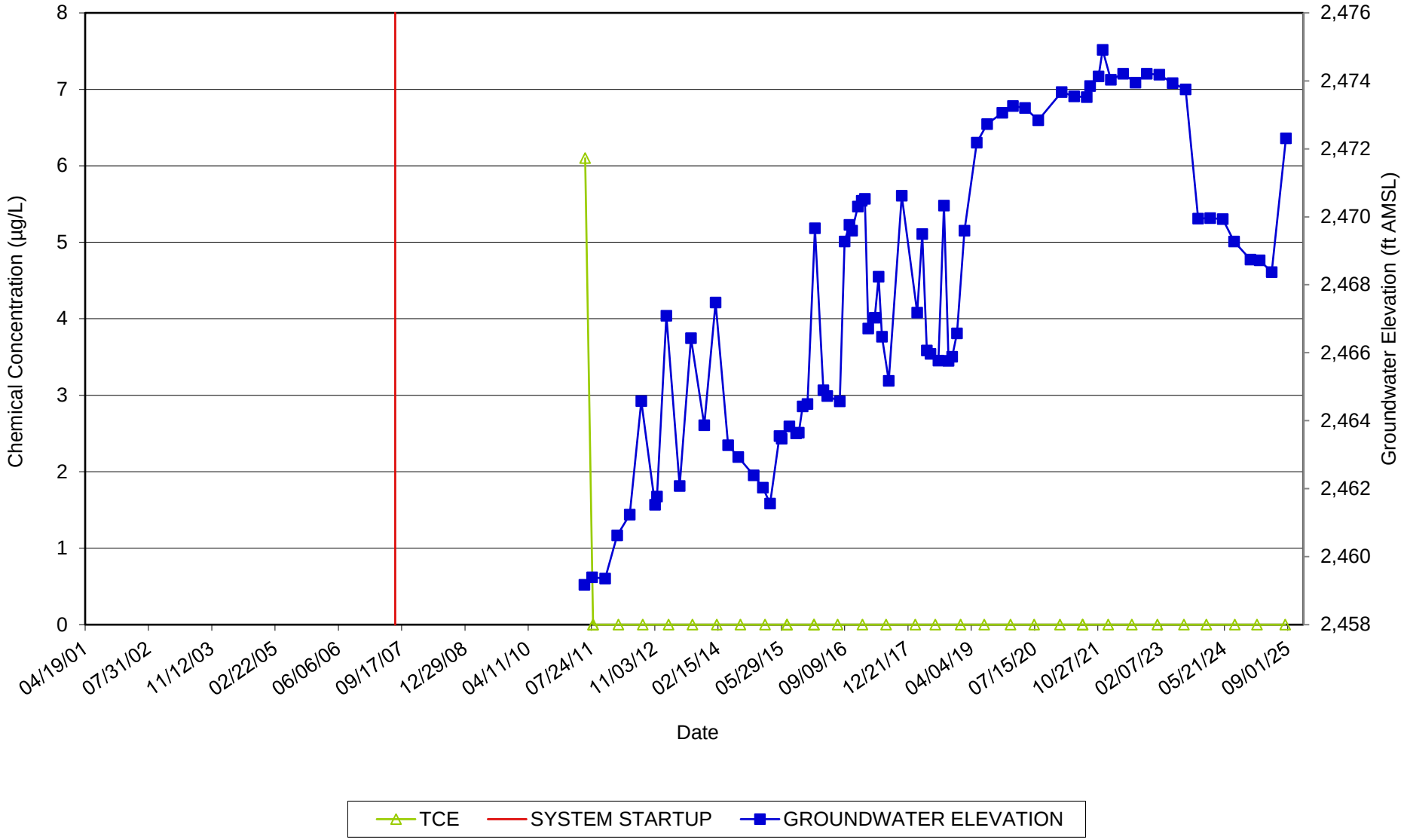
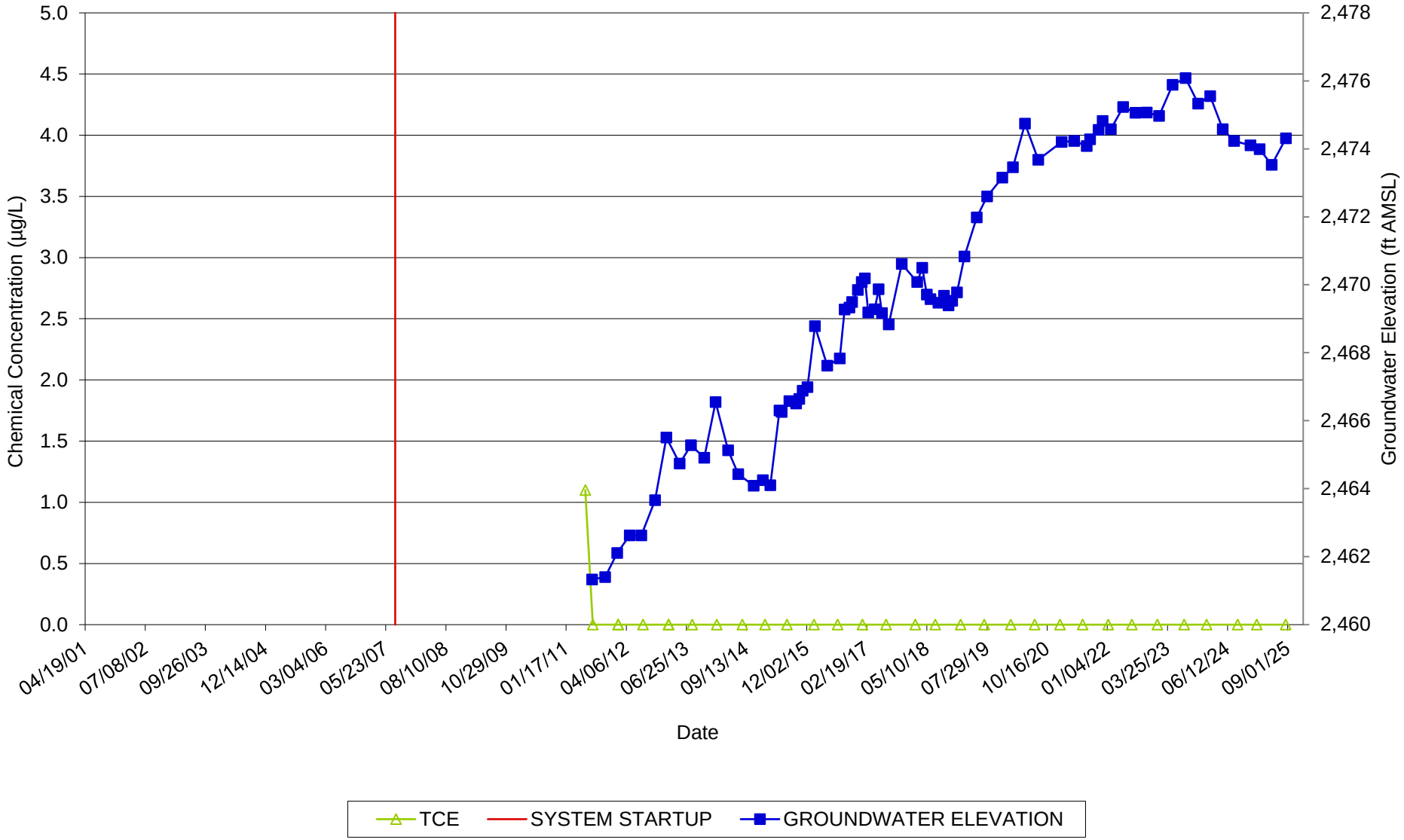
Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
CRA-38D



µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
CRA-39D



µg/L - micrograms per liter
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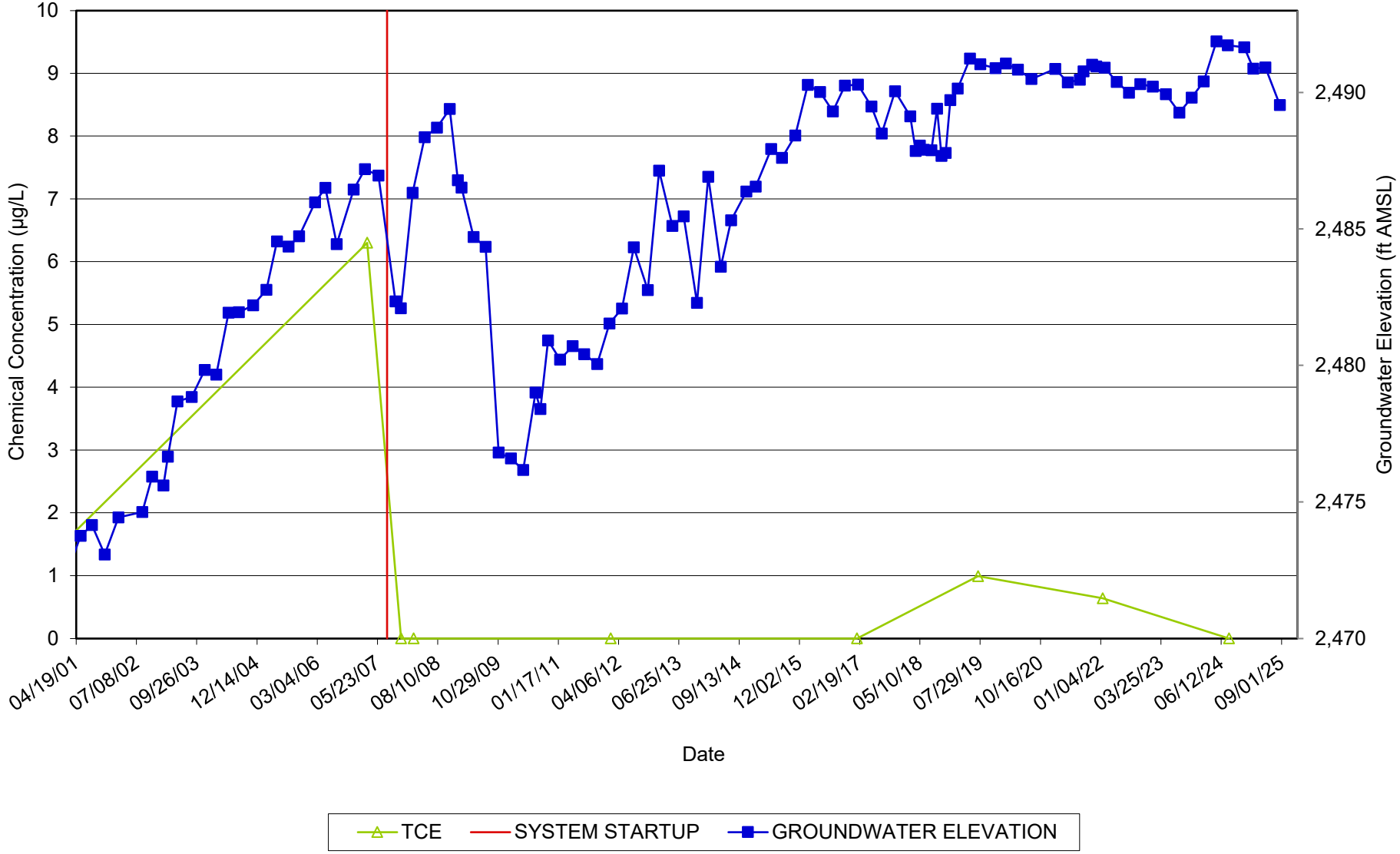
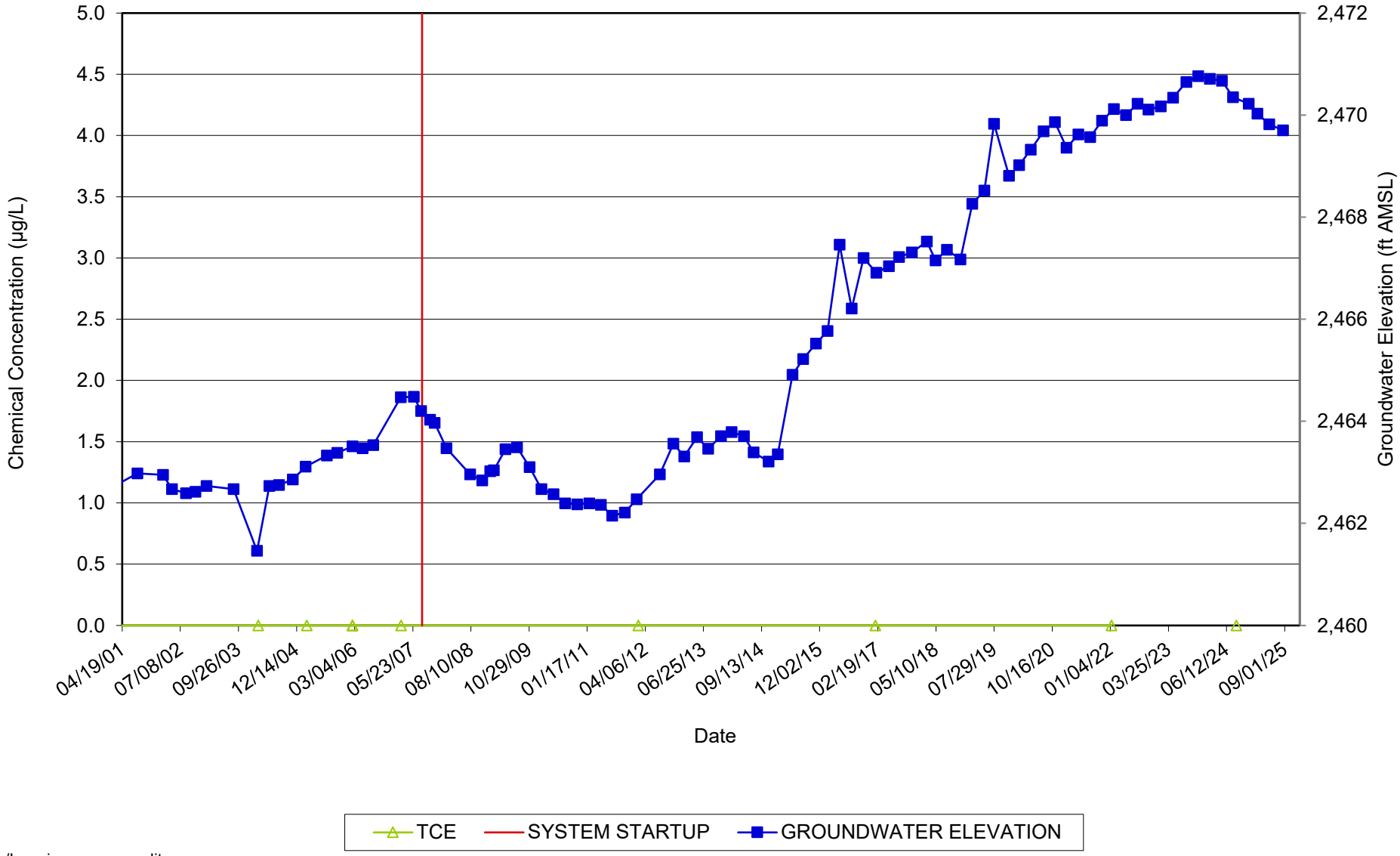
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
S-22



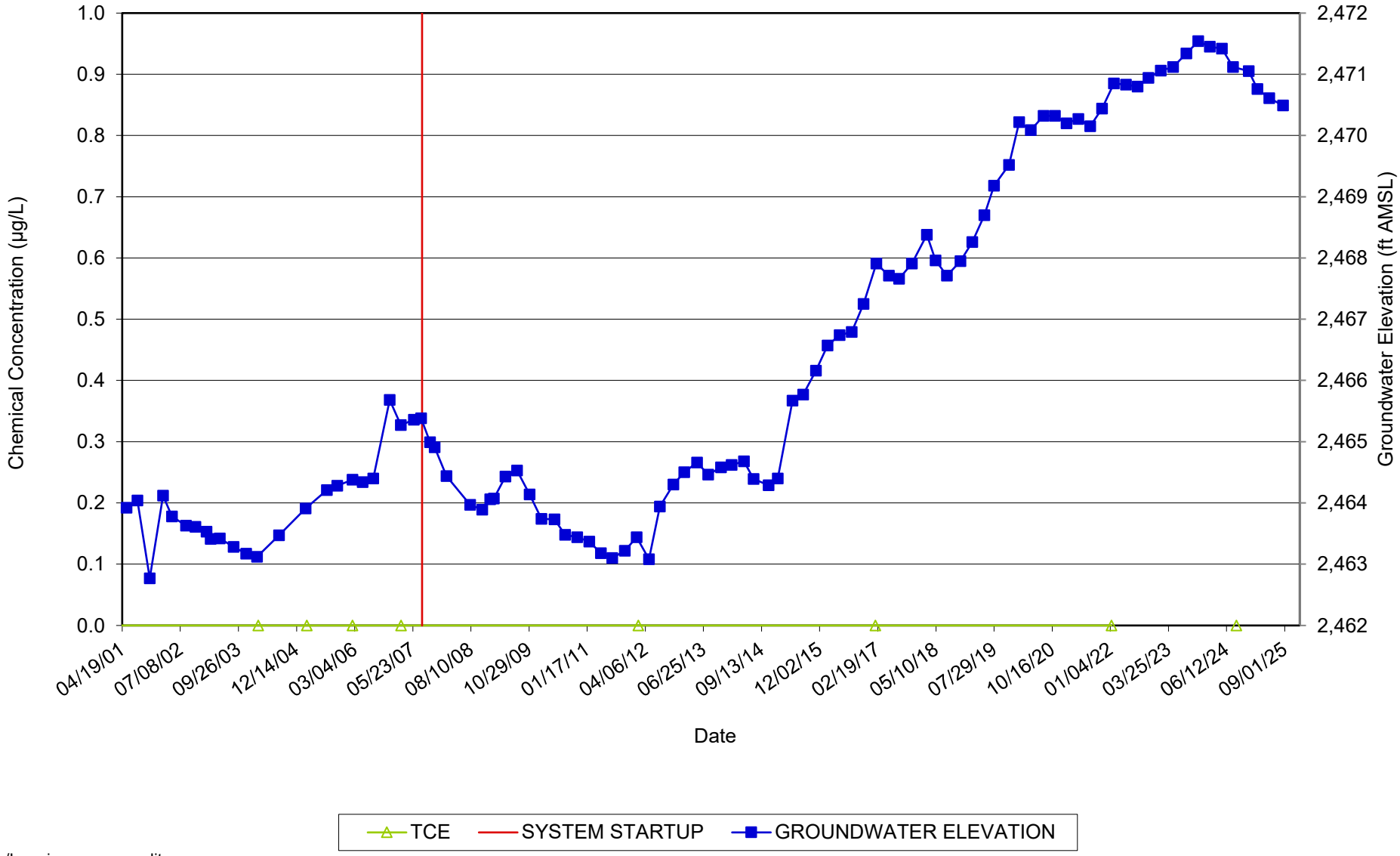
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
S-32



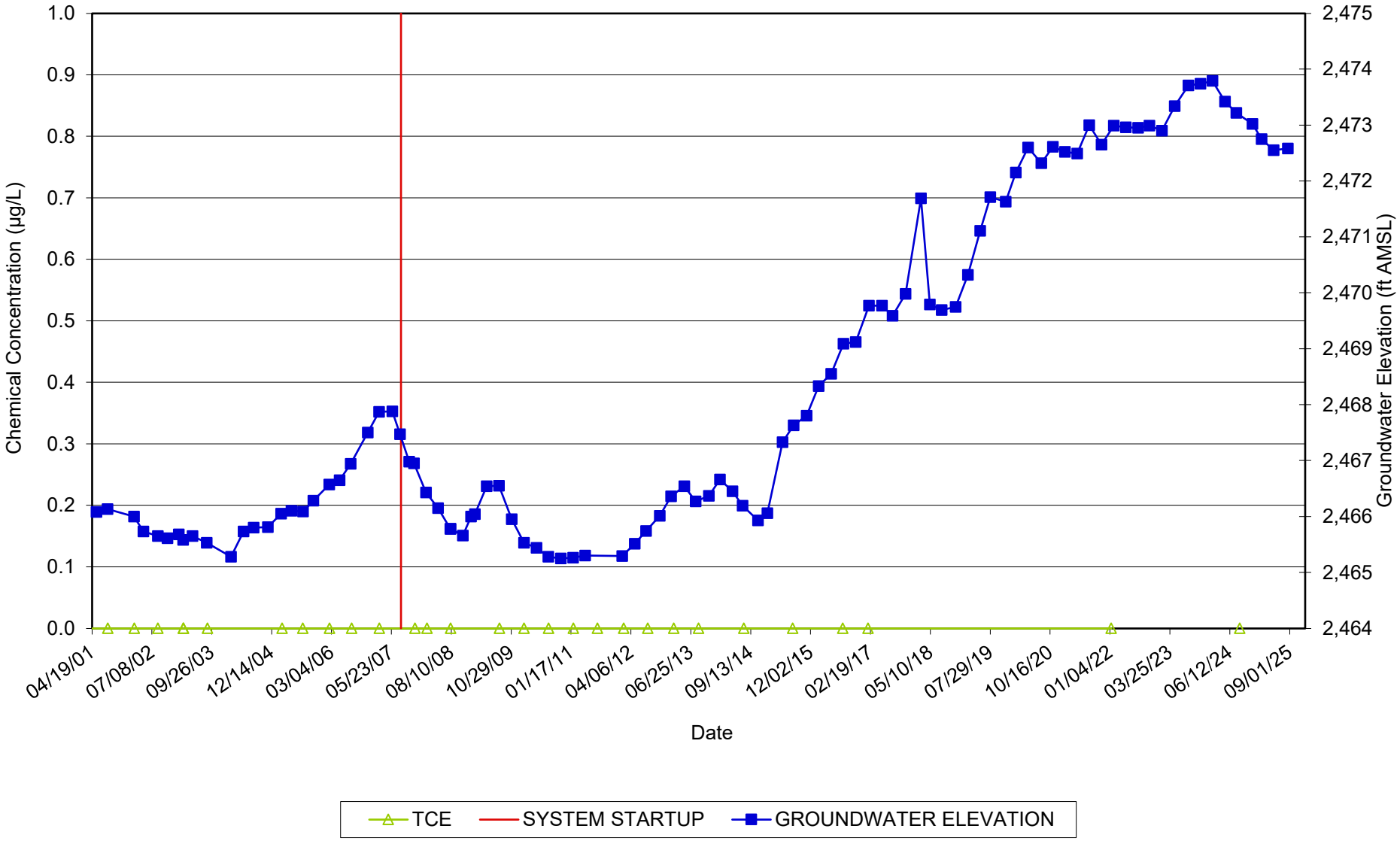
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
S-33



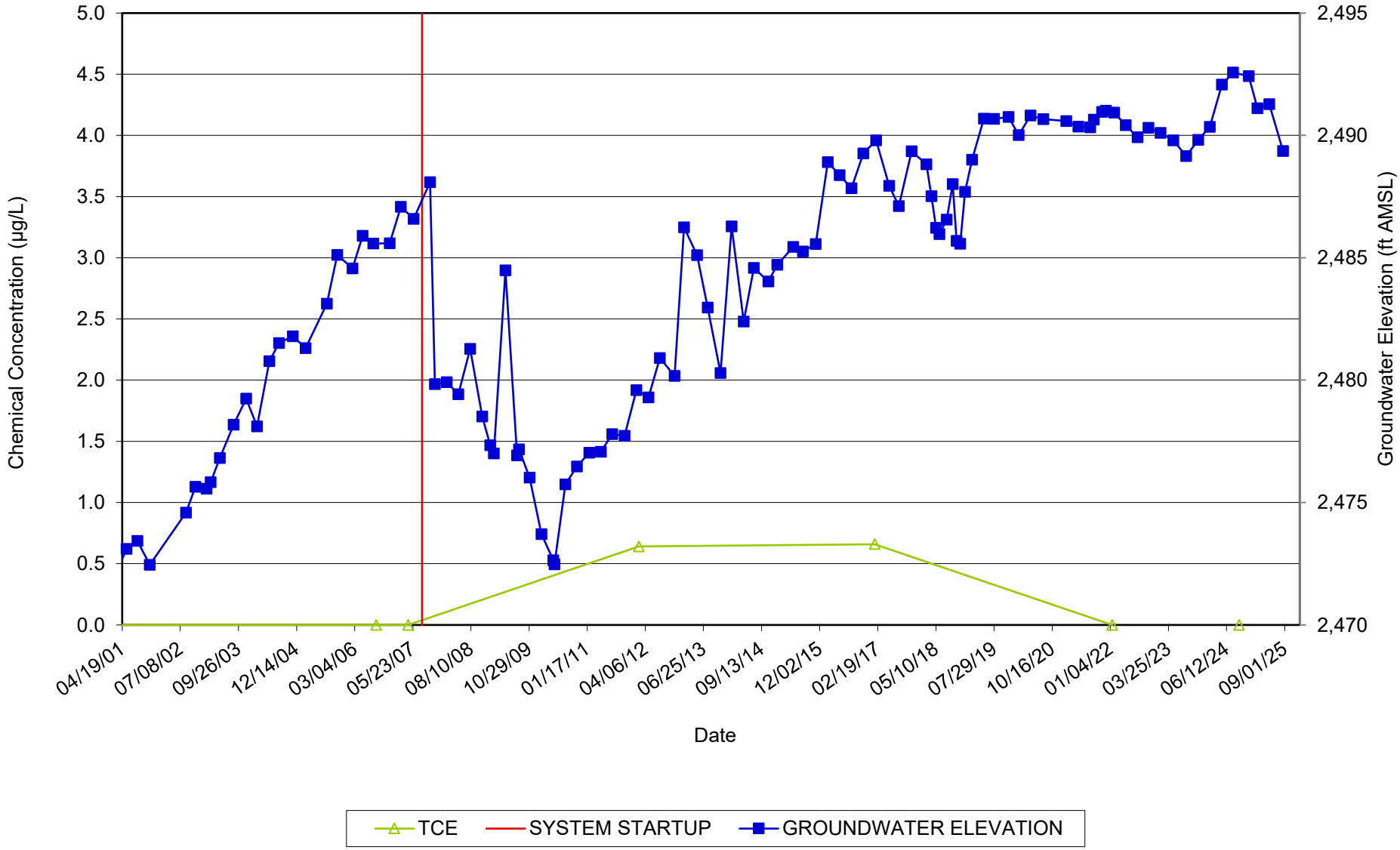
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
S-34



µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
S-36



µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
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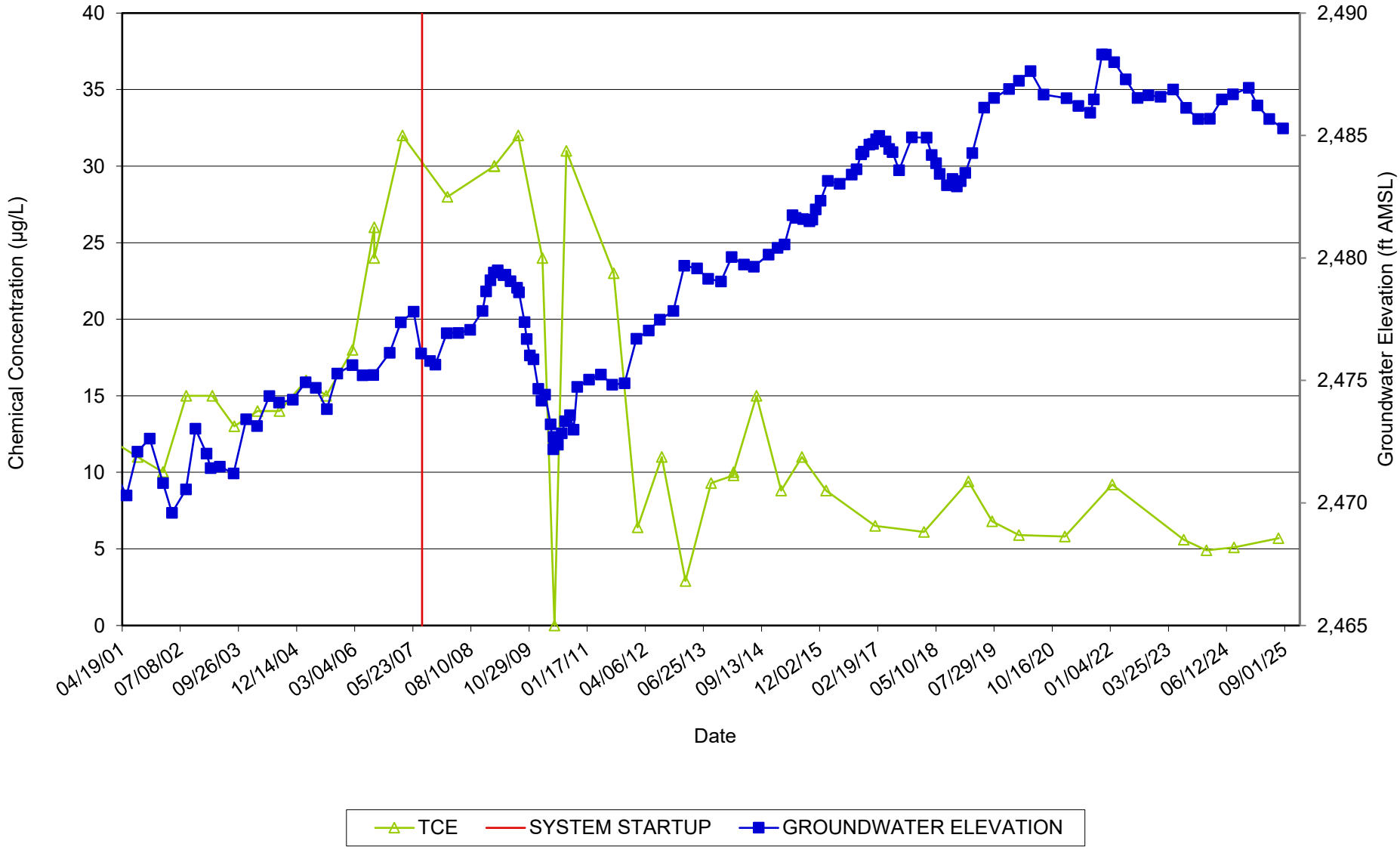
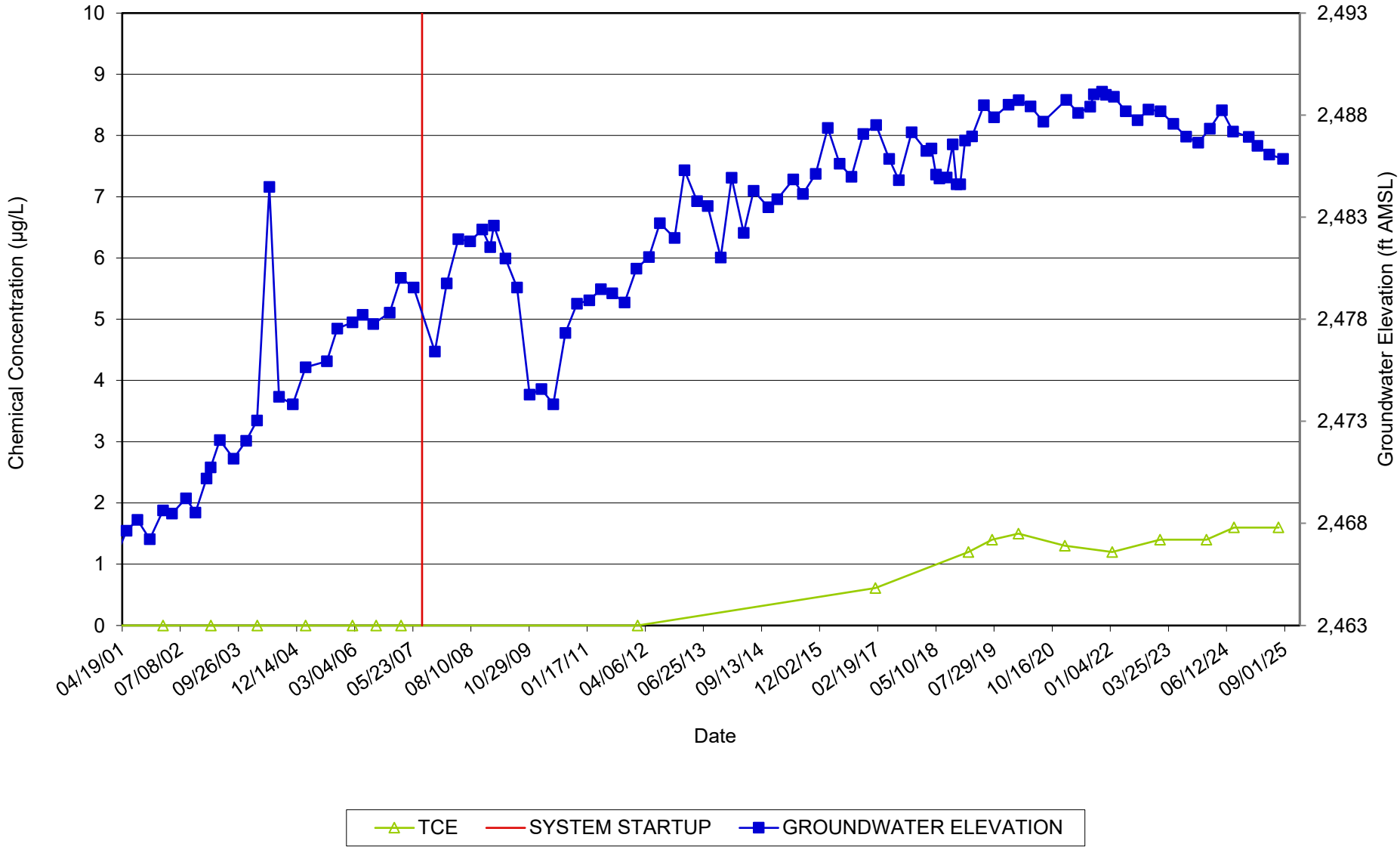
Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
S-40



µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
LF-3



µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
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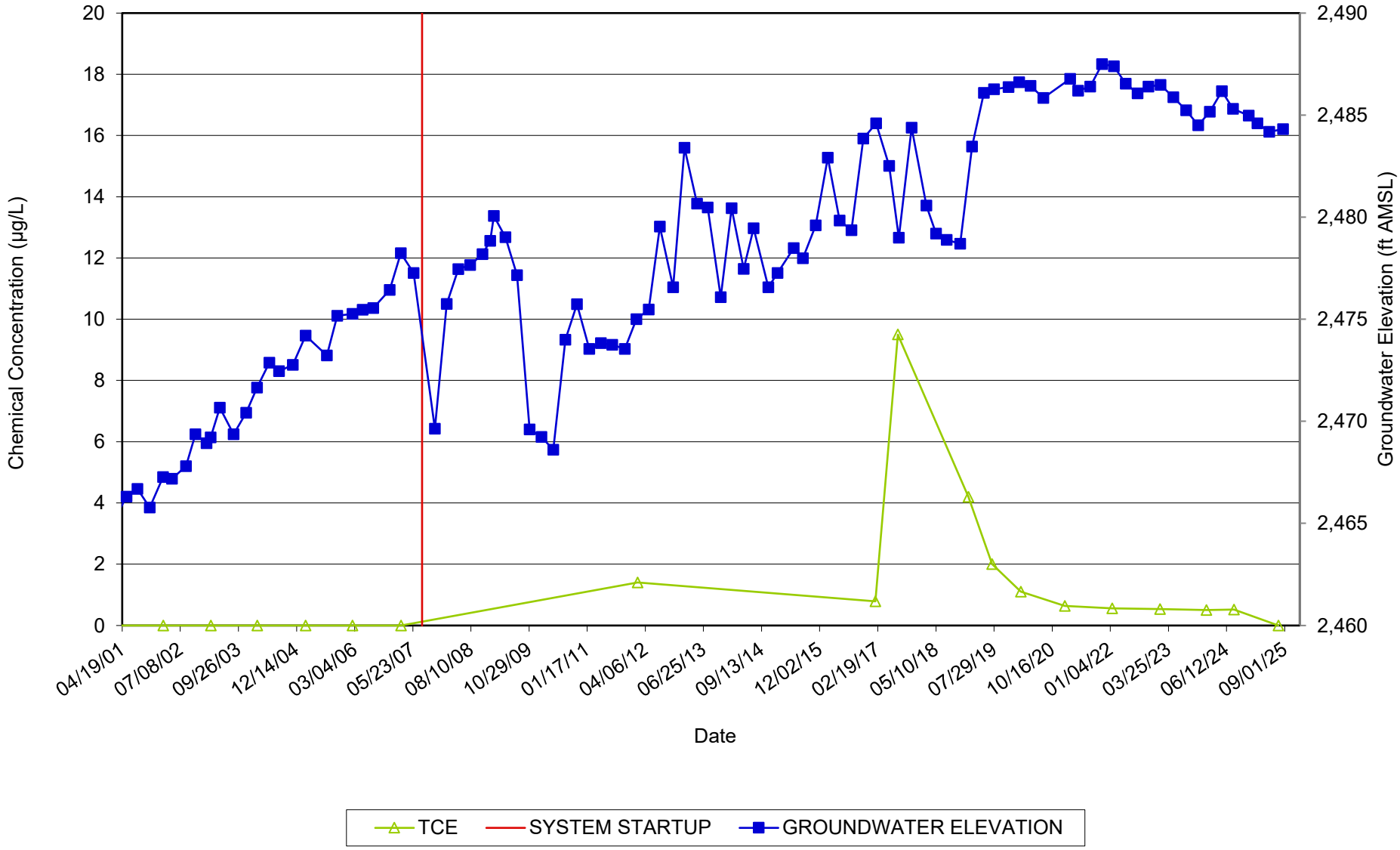
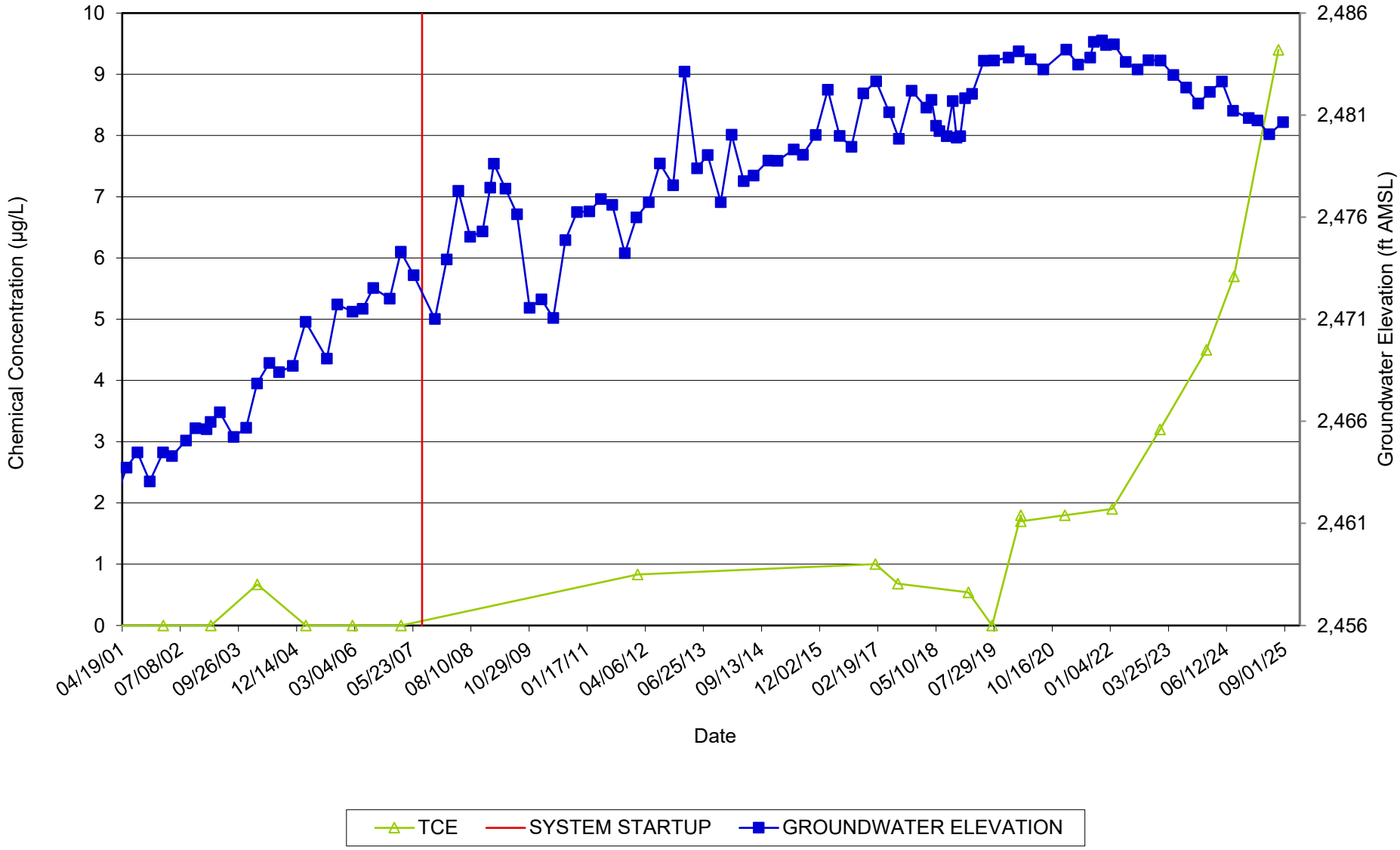


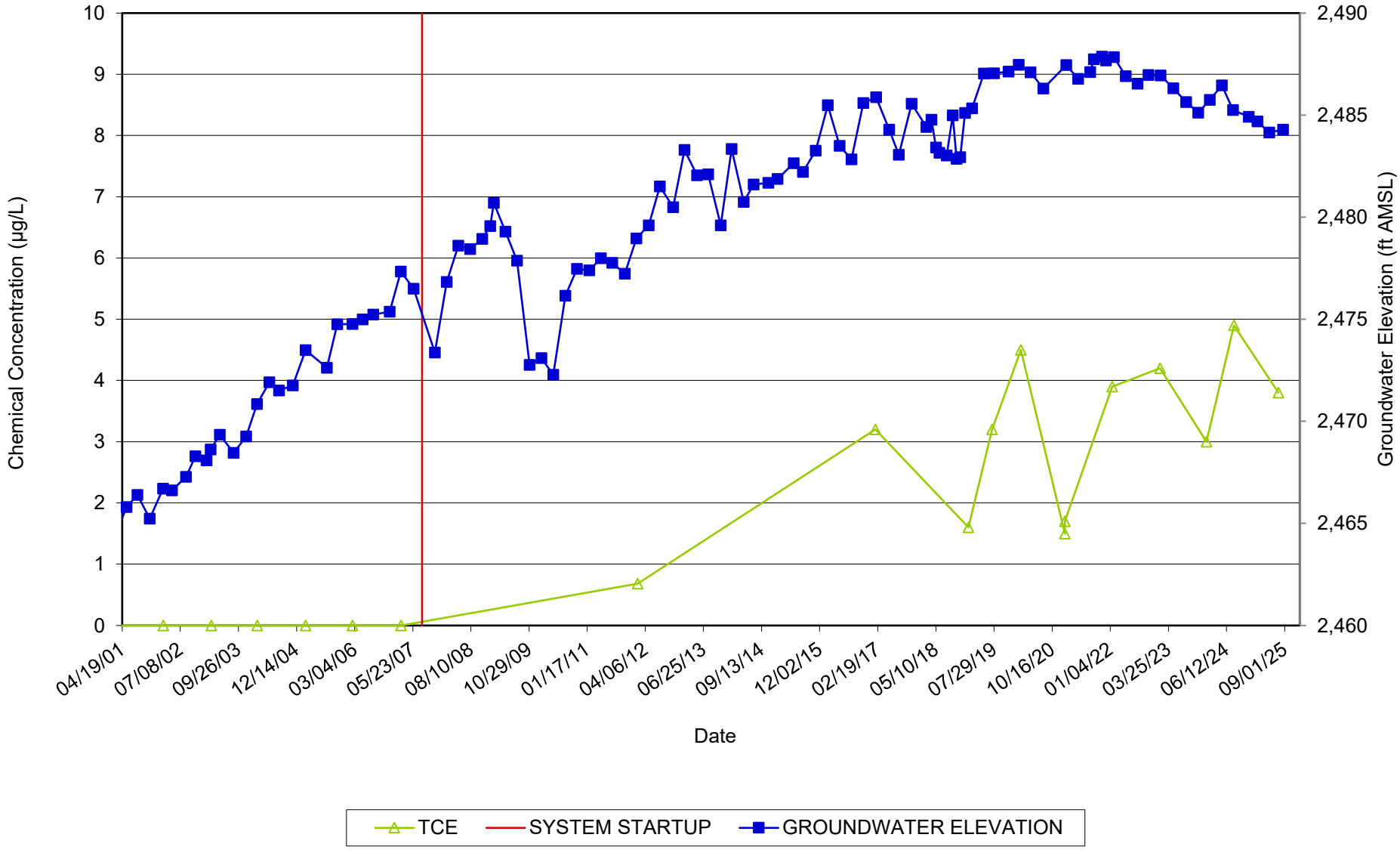
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
LF-5



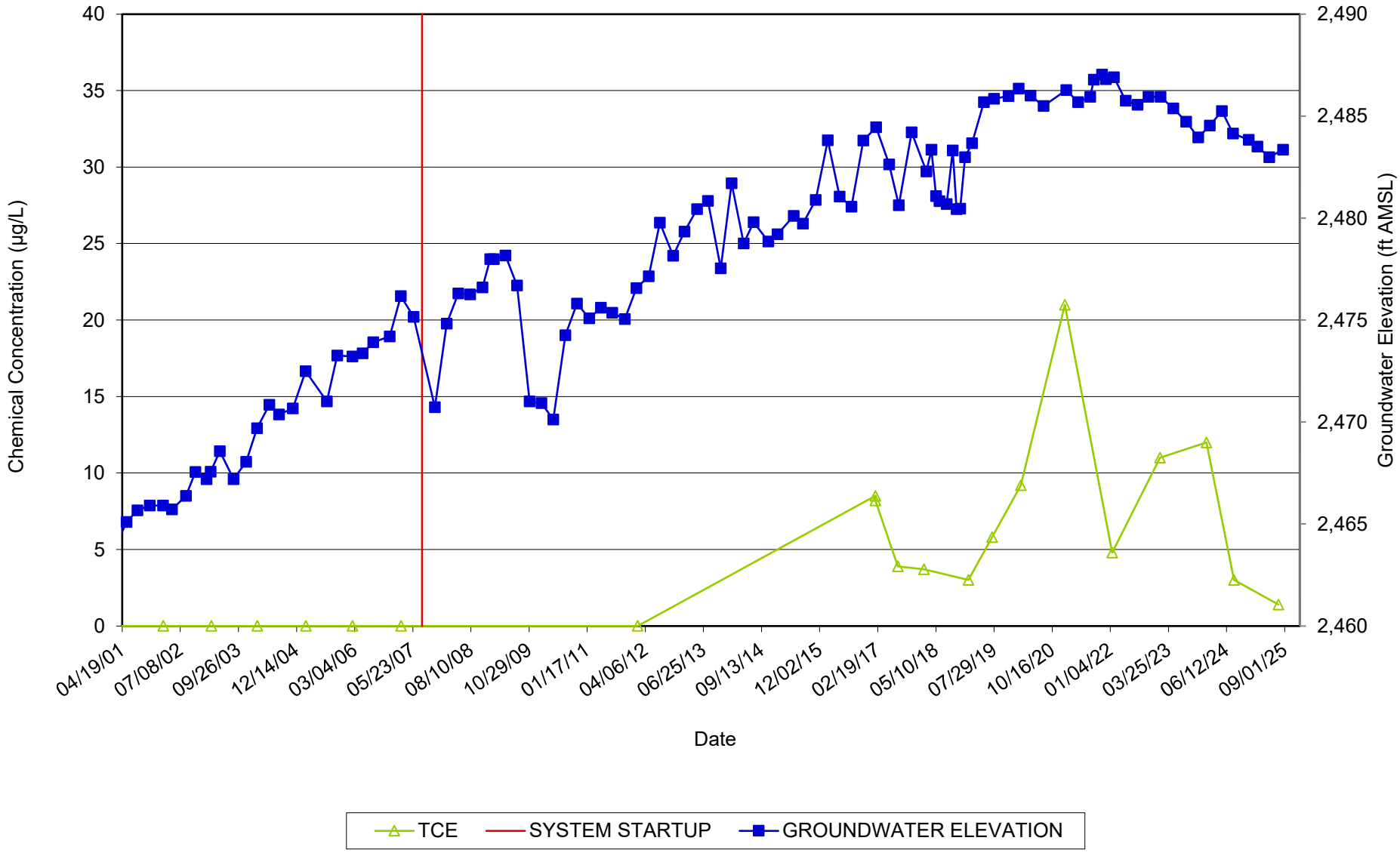
µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
LF-6



µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Groundwater Elevations and
TCE Concentration Trends
TIAA Superfund Site - Airport Property
Tucson, Arizona
LF-7



µg/L - micrograms per liter
ft AMSL - feet Above Mean Sea Level
Updated reference elevations used for groundwater elevations beginning May 2015

Appendix D

Analytical Data Validation Memoranda

Data Verification Report

April 14, 2025

To	Justin Berkompas; Evan Schaff	**Project No.**	12619196
Copy to	Matt Branche	**DVR No.**	27
From	Sheri Finn/cs	**Contact No.**	716-205-1977
Project Name	TIAA Superfund Site	**Email**	sheri.finn@ghd.com
Subject	Analytical Results and Verification SGZ Remedy-Process Water Sampling Tucson International Airport Area Superfund Site-Airport Property Tucson, Arizona March 2025		

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

1. Introduction

This document details a reduced validation of analytical results for water samples collected in support of the Shallow Groundwater Zone (SGZ) Remedy at the Tucson International Airport Area Superfund Site for the March 2025 event. Samples were submitted to Turner Laboratories located in Tucson, Arizona. A sample collection and analysis summary is presented in Table 1. The validated analytical results are summarized in Table 2. A summary of the analytical methodology is presented in Table 3.

Standard GHD report deliverables were submitted by the laboratory. The final results and supporting quality assurance/quality control (QA/QC) data were assessed. Evaluation of the data was based on information obtained from the chain of custody form, finished report forms, method blank data, and recovery data from surrogate spikes, laboratory control samples (LCS), matrix spike/matrix spike duplicates (MS/MSD) and field QA/QC samples.

The QA/QC criteria by which these data have been assessed are outlined in the analytical method referenced in Table 3 and applicable guidance from the documents entitled:

i) "Quality Assurance Project Plan", 013711 Report 37, September 2007

ii) "National Functional Guidelines for Organic Superfund Methods Data Review", United States Environmental Protection Agency (USEPA) 540-R-20-005, November 2020

2. Sample Holding Time and Preservation

The sample holding time criterion for the analysis is summarized in Table 3. The sample chain of custody document and analytical report were used to determine sample holding times. All samples were analyzed within the required holding time.

All samples were properly preserved, delivered on ice, and stored by the laboratory at the required temperature (0-6°C).

3. Laboratory Method Blank Analyses

Method blanks are prepared from a purified matrix and analyzed with investigative samples to determine the existence and magnitude of sample contamination introduced during the analytical procedures.

For this study, laboratory method blanks were analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch.

All method blank results were non-detect, indicating that laboratory contamination was not a factor for this investigation.

4. Surrogate Spike Recoveries

In accordance with the method employed, all samples, blanks, and QC samples analyzed for organics are spiked with surrogate compounds prior to sample analysis. Surrogate recoveries provide a means to evaluate the effects of laboratory performance on individual sample matrices.

All samples submitted for volatile organic compound (VOC) determinations were spiked with the appropriate number of surrogate compounds prior to sample analysis.

Surrogate recoveries were assessed against laboratory control limits. All surrogate recoveries met those criteria.

5. Laboratory Control Sample Analyses

LCS are prepared and analyzed as samples to assess the analytical efficiencies of the method employed, independent of sample matrix effects.

For this study, LCS were analyzed at a minimum frequency of 1 per 20 investigative samples. They were also analyzed in duplicate (LCSD) to assess analytical precision.

The LCS contained the compounds specified in the method. All LCS recoveries and relative percent differences (RPD) were within the laboratory control limits, demonstrating acceptable analytical accuracy and precision.

6. Matrix Spike/Matrix Spike Duplicate Analyses

To evaluate the effects of sample matrices on the preparation process, measurement procedures, and accuracy of a particular analysis, samples are spiked with a known concentration of the analyte of concern and analyzed as MS/MSD samples. The relative percent difference (RPD) between the MS and MSD is used to assess analytical precision. If the original sample concentration is significantly greater than the spike concentration, the recovery is not assessed. If only the MS or MSD recovery was outside of control limits, no qualification of the data was performed based on the acceptable recovery of the companion spike and the acceptable RPD.

MS/MSD analysis was performed on sample PW-030425-TF-01 and showed acceptable analytical accuracy and precision.

7. Field QA/QC Samples

The field QA/QC consisted of one trip blank sample, one field blank sample, and one field duplicate sample set.

7.1 Trip Blank Sample Analysis

To evaluate contamination from sample collection, transportation, storage, and analytical activities, one trip blank was submitted to the laboratory for VOC analysis. All results were non-detect for the compounds of interest.

7.2 Field Blank Sample Analysis

To assess ambient conditions at the site, one field blank was submitted for analysis, as identified in Table 1. All results were non-detect for the compounds of interest.

7.3 Field Duplicate Sample Analysis

To assess the analytical and sampling protocol precision, one field duplicate sample set was collected and submitted "blind" to the laboratory, as specified in Table 1. The RPDs associated with the duplicate sample must be less than 50 percent for water samples. If the reported concentration in either the investigative sample or its duplicate is less than five times the reporting limit (RL), the evaluation criterion is one times the RL value.

The field duplicate results were within acceptable agreement, demonstrating acceptable sampling and analytical precision.

8. Analyte Reporting

No positive analyte detections less than the reporting limit (RL) but greater than the method detection limit (MDL) were reported. Non-detect results were presented as non-detect at the RL in Table 2.

9. Conclusion

Based on the assessment detailed in the foregoing, the data summarized in Table 2 are acceptable without qualification.

Regards,

Sheri Finn
Analyst

Table 1

Sample Collection and Analysis Summary
SGZ Remedy - Process Water Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
March 2025

Sample Identification	Location	Matrix	Collection Date (mm/dd/yyyy)	Collection Time (hr:min)	Analysis/Parameters TCL VOC	Comments
PW-030425-TF-01	SGZ Combined Influent Water	Water	03/04/2025	12:08	X	
PW-030425-TF-03	SGZ Effluent Water	Water	03/04/2025	12:12	X	
PW-030425-TF-04	SGZ Effluent Water	Water	03/04/2025	12:14	X	Field Duplicate of PW-030425-TF-03
PW-030425-TF-02	-	Water	03/04/2025	12:10	X	Field Blank
TB-12619196-030425-TF	-	Water	03/04/2025	00:00	X	Trip Blank

Notes:

TCL - Target Compound List
VOC - Volatile Organic Compounds
SGZ - Shallow Groundwater Zone
"-" - Not applicable

Table 2

Analytical Results Summary
SGZ Remedy - Process Water Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
March 2025

	Location ID:	**SGZ Combined Influent Water**	**SGZ Effluent Water**
	Sample Name:	**PW-030425-TF-01**	**PW-030425-TF-03**
	Sample Date:	**03/04/2025**	**03/04/2025**
Parameters	**Unit**		
Volatile Organic Compounds			
1,1,1-Trichloroethane	µg/L	ND(0.50)	ND(0.50)
1,1-Dichloroethane	µg/L	ND(0.50)	ND(0.50)
1,1-Dichloroethene	µg/L	ND(0.50)	ND(0.50)
1,2-Dichloroethane	µg/L	ND(0.50)	ND(0.50)
1,2-Dichloropropane	µg/L	0.97	ND(0.50)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	ND(10)	ND(10)
Acetone	µg/L	ND(10)	ND(10)
Benzene	µg/L	ND(0.50)	ND(0.50)
Bromodichloromethane	µg/L	ND(0.50)	ND(0.50)
Bromoform	µg/L	ND(2.0)	ND(2.0)
Carbon tetrachloride	µg/L	ND(0.50)	ND(0.50)
Chlorobenzene	µg/L	ND(0.50)	ND(0.50)
Chloroform (Trichloromethane)	µg/L	16	ND(0.50)
Chloromethane (Methyl chloride)	µg/L	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	µg/L	ND(0.50)	ND(0.50)
Dibromochloromethane	µg/L	ND(0.50)	ND(0.50)

Table 2

Analytical Results Summary
SGZ Remedy - Process Water Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
March 2025

	Location ID:	**SGZ Combined Influent Water**	**SGZ Effluent Water**
	Sample Name:	**PW-030425-TF-01**	**PW-030425-TF-03**
	Sample Date:	**03/04/2025**	**03/04/2025**
Parameters	**Unit**		
Volatile Organic Compounds			
Dichlorodifluoromethane (CFC-12)	µg/L	ND(0.50)	ND(0.50)
Ethylbenzene	µg/L	ND(0.50)	ND(0.50)
m&p-Xylenes	µg/L	ND(1.0)	ND(1.0)
Methylene chloride	µg/L	ND(1.0)	ND(1.0)
o-Xylene	µg/L	ND(0.50)	ND(0.50)
Tetrachloroethene	µg/L	ND(0.50)	ND(0.50)
Toluene	µg/L	ND(0.50)	ND(0.50)
trans-1,2-Dichloroethene	µg/L	ND(0.50)	ND(0.50)
Trichloroethene	µg/L	61	ND(0.50)
Trichlorofluoromethane (CFC-11)	µg/L	ND(0.50)	ND(0.50)
Trifluorotrichloroethane (CFC-113)	µg/L	ND(5.0)	ND(5.0)
Trihalomethanes	µg/L	16	ND(2.0)
Vinyl chloride	µg/L	ND(0.50)	ND(0.50)
Xylenes (total)	µg/L	ND(1.0)	ND(1.0)

Table 2

Analytical Results Summary
SGZ Remedy - Process Water Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
March 2025

	Location ID:	**SGZ Effluent Water**	**Field Blank**	**Trip Blank**
	Sample Name:	**PW-030425-TF-04**	**PW-030425-TF-02**	**TB-12619196-030425-TF**
	Sample Date:	**03/04/2025**	**03/04/2025**	**03/04/2025**
		Duplicate		
Parameters	**Unit**			
Volatile Organic Compounds				
1,1,1-Trichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
1,2-Dichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
1,2-Dichloropropane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	ND(10)	ND(10)	ND(10)
Acetone	µg/L	ND(10)	ND(10)	ND(10)
Benzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
Bromodichloromethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
Bromoform	µg/L	ND(2.0)	ND(2.0)	ND(2.0)
Carbon tetrachloride	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
Chlorobenzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
Chloroform (Trichloromethane)	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
Chloromethane (Methyl chloride)	µg/L	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
Dibromochloromethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)

Table 2

Analytical Results Summary
SGZ Remedy - Process Water Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
March 2025

	Location ID:	**SGZ Effluent Water**	**Field Blank**	**Trip Blank**
	Sample Name:	**PW-030425-TF-04**	**PW-030425-TF-02**	**TB-12619196-030425-TF**
	Sample Date:	**03/04/2025**	**03/04/2025**	**03/04/2025**
		Duplicate		
Parameters	**Unit**			
Volatile Organic Compounds				
Dichlorodifluoromethane (CFC-12)	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
Ethylbenzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
m&p-Xylenes	µg/L	ND(1.0)	ND(1.0)	ND(1.0)
Methylene chloride	µg/L	ND(1.0)	ND(1.0)	ND(1.0)
o-Xylene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
Tetrachloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
Toluene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
trans-1,2-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
Trichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
Trichlorofluoromethane (CFC-11)	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
Trifluorotrichloroethane (CFC-113)	µg/L	ND(5.0)	ND(5.0)	ND(5.0)
Trihalomethanes	µg/L	ND(2.0)	ND(2.0)	ND(2.0)
Vinyl chloride	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
Xylenes (total)	µg/L	ND(1.0)	ND(1.0)	ND(1.0)

Notes:

ND ( ) - Not detected at the associated reporting limit
SGZ - Shallow Groundwater Zone

Table 3

Analytical Methods
SGZ Remedy - Process Water Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
March 2025

Parameter	Method	Matrix	Holding Time Collection to Analysis (Days)
VOCs	SW-846 8260B	Water	14

Notes:

SGZ - Shallow Groundwater Zone
VOCs - Volatile Organic Compounds

Method Reference:

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition, 1986, with subsequent revisions

Data Verification Report

May 2, 2025

To	Justin Berkompas; Evan Schaff	**Project No.**	12619196
Copy to	Matt Branche	**DVR No.**	28
From	Sheri Finn/cs	**Contact No.**	716-205-1977
Project Name	TIAA Superfund Site	**Email**	sheri.finn@ghd.com
Subject	Analytical Results and Verification SGZ Remedy-Process Water Sampling Tucson International Airport Area Superfund Site-Airport Property Tucson, Arizona April 2025		

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

1. Introduction

This document details a reduced validation of analytical results for water samples collected in support of the Shallow Groundwater Zone (SGZ) Remedy at the Tucson International Airport Area Superfund Site for the April 2025 event. Samples were submitted to Turner Laboratories located in Tucson, Arizona. A sample collection and analysis summary is presented in Table 1. The validated analytical results are summarized in Table 2. A summary of the analytical methodology is presented in Table 3.

Standard GHD report deliverables were submitted by the laboratory. The final results and supporting quality assurance/quality control (QA/QC) data were assessed. Evaluation of the data was based on information obtained from the chain of custody form, finished report forms, method blank data, and recovery data from surrogate spikes, laboratory control samples (LCS), matrix spike/matrix spike duplicates (MS/MSD) and field QA/QC samples.

The QA/QC criteria by which these data have been assessed are outlined in the analytical method referenced in Table 3 and applicable guidance from the documents entitled:

i) "Quality Assurance Project Plan", 013711 Report 37, September 2007

ii) "National Functional Guidelines for Organic Superfund Methods Data Review", United States Environmental Protection Agency (USEPA) 540-R-20-005, November 2020

2. Sample Holding Time and Preservation

The sample holding time criterion for the analysis is summarized in Table 3. The sample chain of custody document and analytical report were used to determine sample holding times. All samples were analyzed within the required holding time.

All samples were properly preserved, delivered on ice, and stored by the laboratory at the required temperature (0-6°C).

3. Laboratory Method Blank Analyses

Method blanks are prepared from a purified matrix and analyzed with investigative samples to determine the existence and magnitude of sample contamination introduced during the analytical procedures.

For this study, laboratory method blanks were analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch.

All method blank results were non-detect, indicating that laboratory contamination was not a factor for this investigation.

4. Surrogate Spike Recoveries

In accordance with the method employed, all samples, blanks, and QC samples analyzed for organics are spiked with surrogate compounds prior to sample analysis. Surrogate recoveries provide a means to evaluate the effects of laboratory performance on individual sample matrices.

All samples submitted for volatile organic compound (VOC) determinations were spiked with the appropriate number of surrogate compounds prior to sample analysis.

Surrogate recoveries were assessed against laboratory control limits. All surrogate recoveries met those criteria.

5. Laboratory Control Sample Analyses

LCS are prepared and analyzed as samples to assess the analytical efficiencies of the method employed, independent of sample matrix effects.

For this study, LCS were analyzed at a minimum frequency of 1 per 20 investigative samples. They were also analyzed in duplicate (LCSD) to assess analytical precision.

The LCS contained the compounds specified in the method. All LCS recoveries and relative percent differences (RPD) were within the laboratory control limits, demonstrating acceptable analytical accuracy and precision.

6. Matrix Spike/Matrix Spike Duplicate Analyses

To evaluate the effects of sample matrices on the preparation process, measurement procedures, and accuracy of a particular analysis, samples are spiked with a known concentration of the analyte of concern and analyzed as MS/MSD samples. The relative percent difference (RPD) between the MS and MSD is used to assess analytical precision. If the original sample concentration is significantly greater than the spike concentration, the recovery is not assessed. If only the MS or MSD recovery was outside of control limits, no qualification of the data was performed based on the acceptable recovery of the companion spike and the acceptable RPD.

MS/MSD analysis was performed on sample PW-040125-TF-01 and showed acceptable analytical accuracy and precision with the exception low 1,1-dichloroethene and trichloroethene recoveries. The associated sample results were qualified as estimated (see Table 4).

7. Field QA/QC Samples

The field QA/QC consisted of one trip blank sample, one field blank sample, and one field duplicate sample set.

7.1 Trip Blank Sample Analysis

To evaluate contamination from sample collection, transportation, storage, and analytical activities, one trip blank was submitted to the laboratory for VOC analysis. All results were non-detect for the compounds of interest with the exception of chloromethane. The associated sample results were non-detect and no qualification of data was necessary.

7.2 Field Blank Sample Analysis

To assess ambient conditions at the site, one field blank was submitted for analysis, as identified in Table 1. All results were non-detect for the compounds of interest with the exception of chlorobenzene. The associated sample results were non-detect and no qualification of data was necessary.

7.3 Field Duplicate Sample Analysis

To assess the analytical and sampling protocol precision, one field duplicate sample set was collected and submitted "blind" to the laboratory, as specified in Table 1. The RPDs associated with the duplicate sample must be less than 50 percent for water samples. If the reported concentration in either the investigative sample or its duplicate is less than five times the reporting limit (RL), the evaluation criterion is one times the RL value.

The field duplicate results were within acceptable agreement, demonstrating acceptable sampling and analytical precision.

8. Analyte Reporting

No positive analyte detections, less than the reporting limit (RL) but greater than the method detection limit (MDL), were reported. Non-detect results were presented as non-detect at the RL in Table 2.

9. Conclusion

Based on the assessment detailed in the foregoing, the data summarized in Table 2 are acceptable with the qualifications noted.

Regards,

Sheri Finn
Analyst

Table 1

Sample Collection and Analysis Summary
SGZ Remedy - Process Water Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
April 2025

Sample Identification	Location	Matrix	Collection Date (mm/dd/yyyy)	Collection Time (hr:min)	Analysis/Parameters TCL VOC	Comments
PW-040125-TF-01	SGZ Combined Influent Water	Water	04/01/2025	12:48	X	
PW-040125-TF-03	SGZ Effluent Water	Water	04/01/2025	12:52	X	
PW-040125-TF-04	SGZ Effluent Water	Water	04/01/2025	12:54	X	Field Duplicate of PW-040125-TF-03
PW-040125-TF-02	-	Water	04/01/2025	12:50	X	Field Blank
TB-12619196-040125-TF	-	Water	04/01/2025	00:00	X	Trip Blank

Notes:

TCL - Target Compound List
VOC - Volatile Organic Compounds
SGZ - Shallow Groundwater Zone
"-" - Not applicable

Table 2

Analytical Results Summary
SGZ Remedy - Process Water Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
April 2025

	Location ID:	**SGZ Combined Influent Water**	**SGZ Effluent Water**	**SGZ Effluent Water**	**Field Blank**	**Trip Blank**
	Sample Name:	**PW-040125-TF-01**	**PW-040125-TF-03**	**PW-040125-TF-04**	**PW-040125-TF-02**	**TB-12619196-040125-TF**
	Sample Date:	**04/01/2025**	**04/01/2025**	**04/01/2025**	**04/01/2025**	**04/01/2025**
				Duplicate		
Parameters	**Unit**					
Volatile Organic Compounds						
1,1,1-Trichloroethane	µg/L	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethane	µg/L	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethene	µg/L	ND(2.5) J	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,2-Dichloroethane	µg/L	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,2-Dichloropropane	µg/L	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)
Acetone	µg/L	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)
Benzene	µg/L	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Bromodichloromethane	µg/L	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Bromoform	µg/L	ND(10)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
Carbon tetrachloride	µg/L	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Chlorobenzene	µg/L	ND(2.5)	ND(0.50)	ND(0.50)	0.58	ND(0.50)
Chloroform (Trichloromethane)	µg/L	19	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Chloromethane (Methyl chloride)	µg/L	ND(5.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.2
cis-1,2-Dichloroethene	µg/L	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Dibromochloromethane	µg/L	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

Table 2

Analytical Results Summary
SGZ Remedy - Process Water Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
April 2025

Location ID:		**SGZ Combined Influent Water**	**SGZ Effluent Water**	**SGZ Effluent Water**	**Field Blank**	**Trip Blank**
Sample Name:		**PW-040125-TF-01**	**PW-040125-TF-03**	**PW-040125-TF-04**	**PW-040125-TF-02**	**TB-12619196-040125-TF**
Sample Date:		**04/01/2025**	**04/01/2025**	**04/01/2025**	**04/01/2025**	**04/01/2025**
				Duplicate		
Parameters	**Unit**					
Volatile Organic Compounds						
Dichlorodifluoromethane (CFC-12)	µg/L	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Ethylbenzene	µg/L	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
m&p-Xylenes	µg/L	ND(5.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Methylene chloride	µg/L	ND(5.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
o-Xylene	µg/L	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Tetrachloroethene	µg/L	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Toluene	µg/L	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
trans-1,2-Dichloroethene	µg/L	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trichloroethene	µg/L	51 J-	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trichlorofluoromethane (CFC-11)	µg/L	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trifluorotrichloroethane (CFC-113)	µg/L	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Vinyl chloride	µg/L	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

Note:

ND ( ) - Not detected at the associated reporting limit

Table 3

Analytical Methods
SGZ Remedy - Process Water Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
April 2025

Parameter	Method	Matrix	Holding Time Collection to Analysis (Days)
VOCs	SW-846 8260B	Water	14

Notes:

SGZ - Shallow Groundwater Zone
VOCs - Volatile Organic Compounds

Method Reference:

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition, 1986, with subsequent revisions

Table 4

Qualified Sample Results Due to Outlying MS/MSD Results
SGZ Remedy-Process Water Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
April 2025

Parameter	Sample ID	Analyte	MS % Recovery	MSD % Recovery	RPD (percent)	Control Limits % Recovery	Control Limits RPD	Qualified Result	Units
Volatile Organic Compounds	PW-040125-TF-01	1,1-Dichloroethene	52	57	8	70-130	30	ND (2.5) J	µg/L
		Trichloroethene	0	0	7	70-130	30	51 J-	µg/L

Notes:

MS - Matrix Spike
MSD - Matrix Spike Duplicate
RPD - Relative Percent Difference
J- - Estimated concentration; result may be biased low
ND ( ) J - Not detected; associated reporting limit is estimated

Data Verification Report

June 3, 2025

To	Justin Berkompas; Evan Schaff	**Project No.**	12619196
Copy to	Matt Branche	**DVR No.**	29
From	Sheri Finn/cs	**Contact No.**	716-205-1977
Project Name	TIAA Superfund Site	**Email**	sheri.finn@ghd.com
Subject	Analytical Results and Verification SGZ Remedy-Process Water Sampling Tucson International Airport Area Superfund Site-Airport Property Tucson, Arizona May 2025		

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

1. Introduction

This document details a reduced validation of analytical results for water samples collected in support of the Shallow Groundwater Zone (SGZ) Remedy at the Tucson International Airport Area Superfund Site for the May 2025 event. Samples were submitted to Turner Laboratories located in Tucson, Arizona. A sample collection and analysis summary is presented in Table 1. The validated analytical results are summarized in Table 2. A summary of the analytical methodology is presented in Table 3.

Standard GHD report deliverables were submitted by the laboratory. The final results and supporting quality assurance/quality control (QA/QC) data were assessed. Evaluation of the data was based on information obtained from the chain of custody form, finished report forms, method blank data, and recovery data from surrogate spikes, laboratory control samples (LCS), matrix spike/matrix spike duplicates (MS/MSD) and field QA/QC samples.

The QA/QC criteria by which these data have been assessed are outlined in the analytical method referenced in Table 3 and applicable guidance from the documents entitled:

i) "Quality Assurance Project Plan", 013711 Report 37, September 2007

ii) "National Functional Guidelines for Organic Superfund Methods Data Review", United States Environmental Protection Agency (USEPA) 540-R-20-005, November 2020

2. Sample Holding Time and Preservation

The sample holding time criterion for the analysis is summarized in Table 3. The sample chain of custody document and analytical report were used to determine sample holding times. All samples were analyzed within the required holding time.

All samples were properly preserved, delivered on ice, and stored by the laboratory at the required temperature (0-6°C).

3. Laboratory Method Blank Analyses

Method blanks are prepared from a purified matrix and analyzed with investigative samples to determine the existence and magnitude of sample contamination introduced during the analytical procedures.

For this study, laboratory method blanks were analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch.

All method blank results were non-detect, indicating that laboratory contamination was not a factor for this investigation.

4. Surrogate Spike Recoveries

In accordance with the method employed, all samples, blanks, and QC samples analyzed for organics are spiked with surrogate compounds prior to sample analysis. Surrogate recoveries provide a means to evaluate the effects of laboratory performance on individual sample matrices.

All samples submitted for volatile organic compound (VOC) determinations were spiked with the appropriate number of surrogate compounds prior to sample analysis.

Surrogate recoveries were assessed against laboratory control limits. All surrogate recoveries met those criteria.

5. Laboratory Control Sample Analyses

LCS are prepared and analyzed as samples to assess the analytical efficiencies of the method employed, independent of sample matrix effects.

For this study, LCS were analyzed at a minimum frequency of 1 per 20 investigative samples. They were also analyzed in duplicate (LCSD) to assess analytical precision.

The LCS contained the compounds specified in the method. All LCS recoveries and relative percent differences (RPD) were within the laboratory control limits, demonstrating acceptable analytical accuracy and precision.

6. Matrix Spike/Matrix Spike Duplicate Analyses

To evaluate the effects of sample matrices on the preparation process, measurement procedures, and accuracy of a particular analysis, samples are spiked with a known concentration of the analyte of concern and analyzed as MS/MSD samples. The relative percent difference (RPD) between the MS and MSD is used to assess analytical precision. If the original sample concentration is significantly greater than the spike concentration, the recovery is not assessed. If only the MS or MSD recovery was outside of control limits, no qualification of the data was performed based on the acceptable recovery of the companion spike and the acceptable RPD.

MS/MSD analysis was performed on sample PW-040125-TF-01 and showed acceptable analytical accuracy and precision with the exception low trichloroethene recoveries. The associated sample result was qualified as estimated (see Table 4).

7. Field QA/QC Samples

The field QA/QC consisted of one trip blank sample, one field blank sample, and one field duplicate sample set.

7.1 Trip Blank Sample Analysis

To evaluate contamination from sample collection, transportation, storage, and analytical activities, one trip blank was submitted to the laboratory for VOC analysis. All results were non-detect for the compounds of interest with the exception of chloromethane. The associated sample results were non-detect and no qualification of data was necessary.

7.2 Field Blank Sample Analysis

To assess ambient conditions at the site, one field blank was submitted for analysis, as identified in Table 1. All results were non-detect for the compounds of interest with the exception of methylene chloride. The associated sample results were non-detect and no qualification of data was necessary.

7.3 Field Duplicate Sample Analysis

To assess the analytical and sampling protocol precision, one field duplicate sample set was collected and submitted "blind" to the laboratory, as specified in Table 1. The RPDs associated with the duplicate sample must be less than 50 percent for water samples. If the reported concentration in either the investigative sample or its duplicate is less than five times the reporting limit (RL), the evaluation criterion is one times the RL value.

The field duplicate results were within acceptable agreement, demonstrating acceptable sampling and analytical precision.

8. Analyte Reporting

No positive analyte detections, less than the reporting limit (RL) but greater than the method detection limit (MDL), were reported. Non-detect results were presented as non-detect at the RL in Table 2.

9. Conclusion

Based on the assessment detailed in the foregoing, the data summarized in Table 2 are acceptable with the qualification noted.

Regards,

Sheri Finn
Analyst

Table 1

Sample Collection and Analysis Summary
SGZ Remedy - Process Water Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
May 2025

Sample Identification	Location	Matrix	Collection Date (mm/dd/yyyy)	Collection Time (hr:min)	Analysis/Parameters TCL VOC	Comments
PW-050125-TF-03	SGZ Air Stripper Effluent Water	Water	05/01/2025	13:49	X	
PW-050125-TF-01	SGZ Combined Influent Water	Water	05/01/2025	13:44	X	
PW-050125-TF-04	SGZ Effluent Water	Water	05/01/2025	13:51	X	
PW-050125-TF-05	SGZ Effluent Water	Water	05/01/2025	13:53	X	Field Duplicate of PW-050125-TF-04
PW-050125-TF-02	-	Water	05/01/2025	13:46	X	Field Blank
TB-12619196-050125-TF	-	Water	05/01/2025	00:00	X	Trip Blank

Notes:

TCL - Target Compound List
VOC - Volatile Organic Compounds
SGZ - Shallow Groundwater Zone
"-" - Not applicable

Table 2

Analytical Results Summary
SGZ Remedy - Process Water Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
May 2025

	Location ID:	**SGZ Air Stripper Effluent Water**	**SGZ Combined Influent Water**	**SGZ Effluent Water**
	Sample Name:	**PW-050125-TF-03**	**PW-050125-TF-01**	**PW-050125-TF-04**
	Sample Date:	**05/01/2025**	**05/01/2025**	**05/01/2025**
Parameters	**Unit**			
Volatile Organic Compounds				
1,1,1-Trichloroethane	µg/L	ND(0.50)	ND(2.5)	ND(0.50)
1,1-Dichloroethane	µg/L	ND(0.50)	ND(2.5)	ND(0.50)
1,1-Dichloroethene	µg/L	ND(0.50)	ND(2.5)	ND(0.50)
1,2-Dichloroethane	µg/L	ND(0.50)	ND(2.5)	ND(0.50)
1,2-Dichloropropane	µg/L	ND(0.50)	ND(2.5)	ND(0.50)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	ND(10)	ND(50)	ND(10)
Acetone	µg/L	ND(10)	ND(50)	ND(10)
Benzene	µg/L	ND(0.50)	ND(2.5)	ND(0.50)
Bromodichloromethane	µg/L	ND(0.50)	ND(2.5)	ND(0.50)
Bromoform	µg/L	ND(2.0)	ND(10)	ND(2.0)
Carbon tetrachloride	µg/L	ND(0.50)	ND(2.5)	ND(0.50)
Chlorobenzene	µg/L	ND(0.50)	ND(2.5)	ND(0.50)
Chloroform (Trichloromethane)	µg/L	ND(0.50)	15	ND(0.50)
Chloromethane (Methyl chloride)	µg/L	ND(1.0)	ND(5.0)	ND(1.0)
cis-1,2-Dichloroethene	µg/L	ND(0.50)	ND(2.5)	ND(0.50)

Table 2

Analytical Results Summary
SGZ Remedy - Process Water Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
May 2025

	Location ID:	**SGZ Air Stripper Effluent Water**	**SGZ Combined Influent Water**	**SGZ Effluent Water**
	Sample Name:	**PW-050125-TF-03**	**PW-050125-TF-01**	**PW-050125-TF-04**
	Sample Date:	**05/01/2025**	**05/01/2025**	**05/01/2025**
Parameters	**Unit**			
Volatile Organic Compounds				
Dibromochloromethane	µg/L	ND(0.50)	ND(2.5)	ND(0.50)
Dichlorodifluoromethane (CFC-12)	µg/L	ND(0.50)	ND(2.5)	ND(0.50)
Ethylbenzene	µg/L	ND(0.50)	ND(2.5)	ND(0.50)
m&p-Xylenes	µg/L	ND(1.0)	ND(5.0)	ND(1.0)
Methylene chloride	µg/L	ND(1.0)	ND(5.0)	ND(1.0)
o-Xylene	µg/L	ND(0.50)	ND(2.5)	ND(0.50)
Tetrachloroethene	µg/L	ND(0.50)	ND(2.5)	ND(0.50)
Toluene	µg/L	ND(0.50)	ND(2.5)	ND(0.50)
trans-1,2-Dichloroethene	µg/L	ND(0.50)	ND(2.5)	ND(0.50)
Trichloroethene	µg/L	ND(0.50)	60 J-	ND(0.50)
Trichlorofluoromethane (CFC-11)	µg/L	ND(0.50)	ND(2.5)	ND(0.50)
Trifluorotrichloroethane (CFC-113)	µg/L	ND(5.0)	ND(25)	ND(5.0)
Vinyl chloride	µg/L	ND(0.50)	ND(2.5)	ND(0.50)

Table 2

Analytical Results Summary
SGZ Remedy - Process Water Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
May 2025

	Location ID:	**SGZ Effluent Water**	**Field Blank**	**Trip Blank**
	Sample Name:	**PW-050125-TF-05**	**PW-050125-TF-02**	**TB-12619196-050125-TF**
	Sample Date:	**05/01/2025**	**05/01/2025**	**05/01/2025**
		Duplicate		
Parameters	**Unit**			
Volatile Organic Compounds				
1,1,1-Trichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
1,2-Dichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
1,2-Dichloropropane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	ND(10)	ND(10)	ND(10)
Acetone	µg/L	ND(10)	ND(10)	ND(10)
Benzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
Bromodichloromethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
Bromoform	µg/L	ND(2.0)	ND(2.0)	ND(2.0)
Carbon tetrachloride	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
Chlorobenzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
Chloroform (Trichloromethane)	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
Chloromethane (Methyl chloride)	µg/L	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)

Table 2

Analytical Results Summary
SGZ Remedy - Process Water Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
May 2025

	Location ID:	**SGZ Effluent Water**	**Field Blank**	**Trip Blank**
	Sample Name:	**PW-050125-TF-05**	**PW-050125-TF-02**	**TB-12619196-050125-TF**
	Sample Date:	**05/01/2025**	**05/01/2025**	**05/01/2025**
		Duplicate		
Parameters	**Unit**			
Volatile Organic Compounds				
Dibromochloromethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
Dichlorodifluoromethane (CFC-12)	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
Ethylbenzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
m&p-Xylenes	µg/L	ND(1.0)	ND(1.0)	ND(1.0)
Methylene chloride	µg/L	ND(1.0)	3.9	ND(1.0)
o-Xylene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
Tetrachloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
Toluene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
trans-1,2-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
Trichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
Trichlorofluoromethane (CFC-11)	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
Trifluorotrichloroethane (CFC-113)	µg/L	ND(5.0)	ND(5.0)	ND(5.0)
Vinyl chloride	µg/L	ND(0.50)	ND(0.50)	ND(0.50)

Notes:

J- - Estimated concentration;result may be biased low

ND ( ) - Not detected at the associated reporting limit

SGZ - Shallow Groundwater Zone

Table 3

Analytical Methods
SGZ Remedy - Process Water Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
May 2025

Parameter	Method	Matrix	Holding Time Collection to Analysis (Days)
VOCs	SW-846 8260B	Water	14

Notes:

SGZ - Shallow Groundwater Zone
VOCs - Volatile Organic Compounds

Method Reference:

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition, 1986, with subsequent revisions

Table 4

Qualified Sample Results Due to Outlying MS/MSD Results
SGZ Remedy-Process Water Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
May 2025

Parameter	Sample ID	Analyte	MS % Recovery	MSD % Recovery	RPD (percent)	Control Limits % Recovery	Control Limits RPD	Qualified Result		Units
Volatile Organic Compounds	PW-050125-TF-01	Trichloroethene	0	0	NC	70-130	30	60	J-	µg/L

Notes:

MS	- Matrix Spike
MSD	- Matrix Spike Duplicate
RPD	- Relative Percent Difference
J-	- Estimated concentration; result may be biased low
NC	- Not calculated

Data Verification Report

June 11, 2025

To	Justin Berkompas; Evan Schaff	**Project No.**	12619196
Copy to	Rosemary Bier	**DVR No.**	30
From	Sheri Finn/cs	**Contact No.**	716-205-1977
Project Name	TIAA Superfund Site	**Email**	Sheri.finn@ghd.com
Subject	Analytical Results and Verification TI Zone SVE Process Air Sampling Tucson International Airport Area Superfund Site-Airport Property Tucson, Arizona May 2025		

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

1. Introduction

This document details a reduced validation of analytical results for air samples collected in support of the TI Zone SVE process air sampling at the Tucson International Airport Area Superfund Site Airport Property during May 2025. The samples were analyzed by Eurofins Air Toxics LLC located in Folsom, California. A sample collection and analysis summary is presented in Table 1. The validated analytical results are summarized in Table 2. A summary of the analytical methodology is presented in Table 3.

Standard GHD report deliverables were submitted by the laboratory. The final results and supporting quality assurance/quality control (QA/QC) data were assessed. Evaluation of the data was based on information obtained from the chain of custody form, finished report forms, method blank data, and recovery data from surrogate spikes and laboratory control sample/ laboratory control sample duplicates (LCS/LCSD).

The QA/QC criteria by which these data have been assessed are outlined in the analytical method referenced in Table 3 and applicable guidance from the documents entitled:

i) "Quality Assurance Project Plan", 013711 Report 37, September 2007

ii) "National Functional Guidelines for Organic Superfund Methods Data Review", USEPA 540-R-20-005, November 2020

2. Sample Holding Time and Preservation

The sample holding time criterion for the analysis is summarized in Table 3. The sample chain of custody document and analytical reports were used to determine sample holding times. All samples were prepared and analyzed within the required holding time.

All sample canisters were received at the laboratory in good condition. The canisters submitted for volatile organic compounds (VOC) analysis were within the acceptable canister pressure range, indicating the samples were still under vacuum upon receipt. One canister had significant vacuum present upon receipt and the reporting limits are elevated.

3. Laboratory Method Blank Analyses

Method blanks are prepared from a purified matrix and analyzed with investigative samples to determine the existence and magnitude of sample contamination introduced during the analytical procedures.

For this study, laboratory method blanks were analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch.

All method blank results were non-detect, indicating that laboratory contamination was not a factor for this investigation.

4. Surrogate Spike Recoveries

In accordance with the method employed, all samples, blanks, and QC samples analyzed for organics are spiked with surrogate compounds prior to sample analysis. Surrogate recoveries provide a means to evaluate the effects of laboratory performance on individual sample matrices.

All samples submitted for VOC analysis were spiked with the appropriate number of surrogate compounds prior to sample analysis.

Surrogate recoveries were assessed against laboratory control limits. All surrogate recoveries met the laboratory criteria.

5. Laboratory Control Sample Analyses

LCS are prepared and analyzed as samples to assess the analytical efficiencies of the method employed, independent of sample matrix effects.

For this study, LCS were analyzed at a minimum frequency of 1 per 20 investigative samples. LCS were also analyzed in duplicate (LCSD) to assess analytical precision.

The LCS contained all compounds of interest. All LCS recoveries and relative percent differences (RPDs) were within laboratory control limits, demonstrating acceptable analytical accuracy and precision.

6. Analyte Reporting

No positive analyte detections less than the reporting limit (RL) but greater than the method detection limit (MDL) were reported. Non-detect results were presented as non-detect at the RL in Table 2.

7. Conclusion

Based on the assessment detailed in the foregoing, the data summarized in Table 2 are acceptable without qualification.

Regards,

Sheri Finn
Analyst

Table 1

Sample Collection and Analysis Summary
TI Zone SVE Process Air Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
May 2025

Sample Identification	Location	Matrix	Collection Date (mm/dd/yyyy)	Collection Time (hr:min)	Analysis/Parameters VOCs	Comments
SG-051425-KB-11	S-1 Port 1	Air	05/14/2025	12:25	X	
SG-051425-KB-12	S-1 Port 2	Air	05/14/2025	13:00	X	
SG-051425-KB-13	S-1 Port 3	Air	05/14/2025	13:27	X	
SG-051425-KB-14	S-1 Port 4	Air	05/14/2025	13:58	X	
SG-051425-KB-15	S-1 Port 5	Air	05/14/2025	14:16	X	
SG-051425-KB-16	S-1 Port 5	Air	05/14/2025	14:31	X	Field Duplicate of SG-051425-KB-15_PPBV
SG-051325-KB-01	S-7 Port 1	Air	05/13/2025	12:10	X	
SG-051325-KB-02	S-7 Port 2	Air	05/13/2025	12:46	X	
SG-051325-KB-03	S-7 Port 3	Air	05/13/2025	13:16	X	
SG-051325-KB-04	S-7 Port 4	Air	05/13/2025	13:43	X	
SG-051325-KB-05	S-7 Port 5	Air	05/13/2025	14:03	X	
SG-051425-KB-06	S-12 Port 1	Air	05/14/2025	09:32	X	
SG-051425-KB-07	S-12 Port 2	Air	05/14/2025	09:58	X	
SG-051425-KB-08	S-12 Port 3	Air	05/14/2025	10:25	X	
SG-051425-KB-09	S-12 Port 4	Air	05/14/2025	10:55	X	
SG-051425-KB-10	S-12 Port 5	Air	05/14/2025	11:20	X	
AE-050625-TF-02	SGZ Carbon Vessel Effluent Air	Air	05/06/2025	12:31	X	
AI-050625-TF-01	SGZ Carbon Vessel Influent Air	Air	05/06/2025	12:25	X	
AI-050625-TF-05	SVE-1, Unit 2/3	Air	05/06/2025	12:48	X	
AI-050625-TF-06	SVE-2, Unit 2/3	Air	05/06/2025	12:47	X	
AI-050625-TF-07	SVE-3, Unit 2/3	Air	05/06/2025	12:51	X	
AI-050625-TF-08	SVE-4, Unit 2/3	Air	05/06/2025	12:52	X	
AI-050625-TF-03	SVE Combined Influent Air	Air	05/06/2025	12:36	X	
AE-050625-TF-04	SVE East Carbon Vessel Effluent Air	Air	05/06/2025	12:43	X	

Note:

VOCs - Volatile Organic Compounds

Table 2

Analytical Results Summary
TI Zone SVE Process Air Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
May 2025

	Location ID:	**S-1 Port 1**	**S-1 Port 2**	**S-1 Port 3**	**S-1 Port 4**	**S-1 Port 5**	**S-1 Port 5**	**S-7 Port 1**	**S-7 Port 2**	**S-7 Port 3**	**S-7 Port 4**
	Sample Name:	**SG-051425-KB-11**	**SG-051425-KB-12**	**SG-051425-KB-13**	**SG-051425-KB-14**	**SG-051425-KB-15**	**SG-051425-KB-16**	**SG-051325-KB-01**	**SG-051325-KB-02**	**SG-051325-KB-03**	**SG-051325-KB-04**
	Sample Date:	**05/14/2025**	**05/14/2025**	**05/14/2025**	**05/14/2025**	**05/14/2025**	**05/14/2025**	**05/13/2025**	**05/13/2025**	**05/13/2025**	**05/13/2025**
	Depth:	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
							Duplicate				
Parameters	**Unit**										
Volatile Organic Compounds											
1,1,1-Trichloroethane	ppbv	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	ppbv	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	ppbv	ND(1.2)	ND(16)	ND(3.0)	ND(3.9)	ND(1.2)	ND(1.2)	--	--	--	--
1,1-Dichloroethane	ppbv	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	ppbv	--	--	--	--	--	--	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)
1,1-Difluoroethane	ppbv	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	ppbv	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	ppbv	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane (Ethylene dibromide)	ppbv	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	ppbv	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	ppbv	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	ppbv	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorotetrafluoroethane (CFC 114)	ppbv	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	ppbv	--	--	--	--	--	--	--	--	--	--
1,3-Butadiene	ppbv	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	ppbv	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	ppbv	--	--	--	--	--	--	--	--	--	--
2,2,4-Trimethylpentane	ppbv	--	--	--	--	--	--	--	--	--	--
2-Butanone (Methyl ethyl ketone) (MEK)	ppbv	--	--	--	--	--	--	--	--	--	--
2-Hexanone	ppbv	--	--	--	--	--	--	--	--	--	--
2-Phenylbutane (sec-Butylbenzene)	ppbv	--	--	--	--	--	--	--	--	--	--
4-Ethyl toluene	ppbv	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ppbv	--	--	--	--	--	--	--	--	--	--
Acetone	ppbv	--	--	--	--	--	--	--	--	--	--
Allyl chloride	ppbv	--	--	--	--	--	--	--	--	--	--
Benzene	ppbv	ND(1.2)	560	ND(3.0)	ND(3.9)	ND(1.2)	ND(1.2)	--	--	--	--
Benzyl chloride	ppbv	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	ppbv	--	--	--	--	--	--	--	--	--	--
Bromoform	ppbv	--	--	--	--	--	--	--	--	--	--
Bromomethane (Methyl bromide)	ppbv	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	ppbv	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	ppbv	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	ppbv	--	--	--	--	--	--	--	--	--	--
Chloroethane	ppbv	--	--	--	--	--	--	--	--	--	--
Chloroform (Trichloromethane)	ppbv	--	--	--	--	--	--	--	--	--	--
Chloromethane (Methyl chloride)	ppbv	--	--	--	--	--	--	--	--	--	--

Table 2

Analytical Results Summary
TI Zone SVE Process Air Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
May 2025

Location ID:		**S-1 Port 1**	**S-1 Port 2**	**S-1 Port 3**	**S-1 Port 4**	**S-1 Port 5**	**S-1 Port 5**	**S-7 Port 1**	**S-7 Port 2**	**S-7 Port 3**	**S-7 Port 4**
Sample Name:		**SG-051425-KB-11**	**SG-051425-KB-12**	**SG-051425-KB-13**	**SG-051425-KB-14**	**SG-051425-KB-15**	**SG-051425-KB-16**	**SG-051325-KB-01**	**SG-051325-KB-02**	**SG-051325-KB-03**	**SG-051325-KB-04**
Sample Date:		**05/14/2025**	**05/14/2025**	**05/14/2025**	**05/14/2025**	**05/14/2025**	**05/14/2025**	**05/13/2025**	**05/13/2025**	**05/13/2025**	**05/13/2025**
Depth:		**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
							Duplicate				
Parameters	**Unit**										
Volatile Organic Compounds											
cis-1,2-Dichloroethene	ppbv	--	--	--	--	--	--	--	--	--	--
cis-1,3-Dichloropropene	ppbv	--	--	--	--	--	--	--	--	--	--
Cyclohexane	ppbv	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	ppbv	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane (CFC-12)	ppbv	--	--	--	--	--	--	--	--	--	--
Ethyl acetate	ppbv	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	ppbv	ND(1.2)	2900	3.6	ND(3.9)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)
Hexachlorobutadiene	ppbv	--	--	--	--	--	--	--	--	--	--
Hexane	ppbv	--	--	--	--	--	--	--	--	--	--
Isopropyl alcohol	ppbv	--	--	--	--	--	--	--	--	--	--
Isopropyl benzene	ppbv	--	--	--	--	--	--	--	--	--	--
m&p-Xylenes	ppbv	--	--	--	--	--	--	--	--	--	--
Methyl tert butyl ether (MTBE)	ppbv	--	--	--	--	--	--	--	--	--	--
Methylene chloride	ppbv	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	ppbv	--	--	--	--	--	--	--	--	--	--
N-Heptane	ppbv	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	ppbv	--	--	--	--	--	--	--	--	--	--
Naphthalene	ppbv	--	--	--	--	--	--	--	--	--	--
Nonane	ppbv	--	--	--	--	--	--	--	--	--	--
o-Xylene	ppbv	--	--	--	--	--	--	--	--	--	--
Octane	ppbv	--	--	--	--	--	--	--	--	--	--
Propylene (propene)	ppbv	--	--	--	--	--	--	--	--	--	--
Styrene	ppbv	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	ppbv	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	ppbv	--	--	--	--	--	--	ND(1.2)	ND(1.2)	ND(1.2)	ND(1.2)
Tetrahydrofuran	ppbv	--	--	--	--	--	--	--	--	--	--
Toluene	ppbv	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	ppbv	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	ppbv	--	--	--	--	--	--	--	--	--	--
Trichloroethene	ppbv	ND(1.2)	39	11	4.4	ND(1.2)	ND(1.2)	--	--	--	--
Trichlorofluoromethane (CFC-11)	ppbv	--	--	--	--	--	--	--	--	--	--
Trifluorotrichloroethane (CFC-113)	ppbv	--	--	--	--	--	--	--	--	--	--
Vinyl acetate	ppbv	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	ppbv	--	--	--	--	--	--	--	--	--	--

Table 2

Analytical Results Summary
TI Zone SVE Process Air Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
May 2025

	Location ID:	**S-1 Port 1**	**S-1 Port 2**	**S-1 Port 3**	**S-1 Port 4**	**S-1 Port 5**	**S-1 Port 5**	**S-7 Port 1**	**S-7 Port 2**	**S-7 Port 3**	**S-7 Port 4**
	Sample Name:	**SG-051425-KB-11**	**SG-051425-KB-12**	**SG-051425-KB-13**	**SG-051425-KB-14**	**SG-051425-KB-15**	**SG-051425-KB-16**	**SG-051325-KB-01**	**SG-051325-KB-02**	**SG-051325-KB-03**	**SG-051325-KB-04**
	Sample Date:	**05/14/2025**	**05/14/2025**	**05/14/2025**	**05/14/2025**	**05/14/2025**	**05/14/2025**	**05/13/2025**	**05/13/2025**	**05/13/2025**	**05/13/2025**
	Depth:	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
							Duplicate				
Parameters	**Unit**										
Volatile Organic Compounds											
1,1,1-Trichloroethane	µg/m3	--	--	--	--	--	--	--	--	--	--
1,1,2,2-Tetrachloroethane	µg/m3	--	--	--	--	--	--	--	--	--	--
1,1,2-Trichloroethane	µg/m3	ND(6.4)	ND(86)	ND(16)	ND(21)	ND(6.7)	ND(6.8)	--	--	--	--
1,1-Dichloroethane	µg/m3	--	--	--	--	--	--	--	--	--	--
1,1-Dichloroethene	µg/m3	--	--	--	--	--	--	ND(4.8)	ND(4.7)	ND(4.6)	ND(4.8)
1,1-Difluoroethane	µg/m3	--	--	--	--	--	--	--	--	--	--
1,2,4-Trichlorobenzene	µg/m3	--	--	--	--	--	--	--	--	--	--
1,2,4-Trimethylbenzene	µg/m3	--	--	--	--	--	--	--	--	--	--
1,2-Dibromoethane (Ethylene dibromide)	µg/m3	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorobenzene	µg/m3	--	--	--	--	--	--	--	--	--	--
1,2-Dichloroethane	µg/m3	--	--	--	--	--	--	--	--	--	--
1,2-Dichloropropane	µg/m3	--	--	--	--	--	--	--	--	--	--
1,2-Dichlorotetrafluoroethane (CFC 114)	µg/m3	--	--	--	--	--	--	--	--	--	--
1,3,5-Trimethylbenzene	µg/m3	--	--	--	--	--	--	--	--	--	--
1,3-Butadiene	µg/m3	--	--	--	--	--	--	--	--	--	--
1,3-Dichlorobenzene	µg/m3	--	--	--	--	--	--	--	--	--	--
1,4-Dichlorobenzene	µg/m3	--	--	--	--	--	--	--	--	--	--
2,2,4-Trimethylpentane	µg/m3	--	--	--	--	--	--	--	--	--	--
2-Butanone (Methyl ethyl ketone) (MEK)	µg/m3	--	--	--	--	--	--	--	--	--	--
2-Hexanone	µg/m3	--	--	--	--	--	--	--	--	--	--
2-Phenylbutane (sec-Butylbenzene)	µg/m3	--	--	--	--	--	--	--	--	--	--
4-Ethyl toluene	µg/m3	--	--	--	--	--	--	--	--	--	--
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/m3	--	--	--	--	--	--	--	--	--	--
Acetone	µg/m3	--	--	--	--	--	--	--	--	--	--
Allyl chloride	µg/m3	--	--	--	--	--	--	--	--	--	--
Benzene	µg/m3	ND(3.7)	1800	ND(9.5)	ND(12)	ND(3.9)	ND(4.0)	--	--	--	--
Benzyl chloride	µg/m3	--	--	--	--	--	--	--	--	--	--
Bromodichloromethane	µg/m3	--	--	--	--	--	--	--	--	--	--
Bromoform	µg/m3	--	--	--	--	--	--	--	--	--	--
Bromomethane (Methyl bromide)	µg/m3	--	--	--	--	--	--	--	--	--	--
Carbon disulfide	µg/m3	--	--	--	--	--	--	--	--	--	--
Carbon tetrachloride	µg/m3	--	--	--	--	--	--	--	--	--	--
Chlorobenzene	µg/m3	--	--	--	--	--	--	--	--	--	--
Chloroethane	µg/m3	--	--	--	--	--	--	--	--	--	--
Chloroform (Trichloromethane)	µg/m3	--	--	--	--	--	--	--	--	--	--
Chloromethane (Methyl chloride)	µg/m3	--	--	--	--	--	--	--	--	--	--
cis-1,2-Dichloroethene	µg/m3	--	--	--	--	--	--	--	--	--	--

Table 2

Analytical Results Summary
TI Zone SVE Process Air Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
May 2025

	Location ID:	**S-1 Port 1**	**S-1 Port 2**	**S-1 Port 3**	**S-1 Port 4**	**S-1 Port 5**	**S-1 Port 5**	**S-7 Port 1**	**S-7 Port 2**	**S-7 Port 3**	**S-7 Port 4**
	Sample Name:	**SG-051425-KB-11**	**SG-051425-KB-12**	**SG-051425-KB-13**	**SG-051425-KB-14**	**SG-051425-KB-15**	**SG-051425-KB-16**	**SG-051325-KB-01**	**SG-051325-KB-02**	**SG-051325-KB-03**	**SG-051325-KB-04**
	Sample Date:	**05/14/2025**	**05/14/2025**	**05/14/2025**	**05/14/2025**	**05/14/2025**	**05/14/2025**	**05/13/2025**	**05/13/2025**	**05/13/2025**	**05/13/2025**
	Depth:	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
							Duplicate				
Parameters	**Unit**										
Volatile Organic Compounds											
cis-1,3-Dichloropropene	µg/m3	--	--	--	--	--	--	--	--	--	--
Cyclohexane	µg/m3	--	--	--	--	--	--	--	--	--	--
Dibromochloromethane	µg/m3	--	--	--	--	--	--	--	--	--	--
Dichlorodifluoromethane (CFC-12)	µg/m3	--	--	--	--	--	--	--	--	--	--
Ethyl acetate	µg/m3	--	--	--	--	--	--	--	--	--	--
Ethylbenzene	µg/m3	ND(5.1)	12000	16	ND(17)	ND(5.3)	ND(5.4)	ND(5.3)	ND(5.2)	ND(5.1)	ND(5.3)
Hexachlorobutadiene	µg/m3	--	--	--	--	--	--	--	--	--	--
Hexane	µg/m3	--	--	--	--	--	--	--	--	--	--
Isopropyl alcohol	µg/m3	--	--	--	--	--	--	--	--	--	--
Isopropyl benzene	µg/m3	--	--	--	--	--	--	--	--	--	--
m&p-Xylenes	µg/m3	--	--	--	--	--	--	--	--	--	--
Methyl tert butyl ether (MTBE)	µg/m3	--	--	--	--	--	--	--	--	--	--
Methylene chloride	µg/m3	--	--	--	--	--	--	--	--	--	--
N-Butylbenzene	µg/m3	--	--	--	--	--	--	--	--	--	--
N-Heptane	µg/m3	--	--	--	--	--	--	--	--	--	--
N-Propylbenzene	µg/m3	--	--	--	--	--	--	--	--	--	--
Naphthalene	µg/m3	--	--	--	--	--	--	--	--	--	--
Nonane	µg/m3	--	--	--	--	--	--	--	--	--	--
o-Xylene	µg/m3	--	--	--	--	--	--	--	--	--	--
Octane	µg/m3	--	--	--	--	--	--	--	--	--	--
Propylene (propene)	µg/m3	--	--	--	--	--	--	--	--	--	--
Styrene	µg/m3	--	--	--	--	--	--	--	--	--	--
tert-Butylbenzene	µg/m3	--	--	--	--	--	--	--	--	--	--
Tetrachloroethene	µg/m3	--	--	--	--	--	--	ND(8.3)	ND(8.1)	ND(7.9)	ND(8.3)
Tetrahydrofuran	µg/m3	--	--	--	--	--	--	--	--	--	--
Toluene	µg/m3	--	--	--	--	--	--	--	--	--	--
trans-1,2-Dichloroethene	µg/m3	--	--	--	--	--	--	--	--	--	--
trans-1,3-Dichloropropene	µg/m3	--	--	--	--	--	--	--	--	--	--
Trichloroethene	µg/m3	ND(6.3)	210	59	24	ND(6.6)	ND(6.7)	--	--	--	--
Trichlorofluoromethane (CFC-11)	µg/m3	--	--	--	--	--	--	--	--	--	--
Trifluorotrichloroethane (CFC-113)	µg/m3	--	--	--	--	--	--	--	--	--	--
Vinyl acetate	µg/m3	--	--	--	--	--	--	--	--	--	--
Vinyl chloride	µg/m3	--	--	--	--	--	--	--	--	--	--

Table 2

Analytical Results Summary
TI Zone SVE Process Air Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
May 2025

Location ID:		**S-7 Port 5**	**S-12 Port 1**	**S-12 Port 2**	**S-12 Port 3**	**S-12 Port 4**	**S-12 Port 5**	**Carbon Vessel Effluer**	**SGZ Carbon Vessel Influent Air**
Sample Name:		**SG-051325-KB-05**	**SG-051425-KB-06**	**SG-051425-KB-07**	**SG-051425-KB-08**	**SG-051425-KB-09**	**SG-051425-KB-10**	**AE-050625-TF-02**	**AI-050625-TF-01**
Sample Date:		**05/13/2025**	**05/14/2025**	**05/14/2025**	**05/14/2025**	**05/14/2025**	**05/14/2025**	**05/06/2025**	**05/06/2025**
Depth:		**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
Parameters	**Unit**								
Volatile Organic Compounds									
1,1,1-Trichloroethane	ppbv	--	--	--	--	--	--	ND(1.2)	ND(1.2)
1,1,2,2-Tetrachloroethane	ppbv	--	--	--	--	--	--	ND(1.2)	ND(1.2)
1,1,2-Trichloroethane	ppbv	--	--	--	--	--	--	ND(1.2)	ND(1.2)
1,1-Dichloroethane	ppbv	--	--	--	--	--	--	ND(1.2)	ND(1.2)
1,1-Dichloroethene	ppbv	ND(1.2)	--	--	--	--	--	2.4	1.9
1,1-Difluoroethane	ppbv	--	--	--	--	--	--	ND(4.8)	ND(4.9)
1,2,4-Trichlorobenzene	ppbv	--	--	--	--	--	--	ND(4.8)	ND(4.9)
1,2,4-Trimethylbenzene	ppbv	--	--	--	--	--	--	ND(1.2)	ND(1.2)
1,2-Dibromoethane (Ethylene dibromide)	ppbv	--	--	--	--	--	--	ND(1.2)	ND(1.2)
1,2-Dichlorobenzene	ppbv	--	--	--	--	--	--	ND(1.2)	ND(1.2)
1,2-Dichloroethane	ppbv	--	--	--	--	--	--	ND(1.2)	ND(1.2)
1,2-Dichloropropane	ppbv	--	--	--	--	--	--	ND(1.2)	5.4
1,2-Dichlorotetrafluoroethane (CFC 114)	ppbv	--	--	--	--	--	--	ND(1.2)	ND(1.2)
1,3,5-Trimethylbenzene	ppbv	--	--	--	--	--	--	ND(1.2)	ND(1.2)
1,3-Butadiene	ppbv	--	--	--	--	--	--	ND(1.2)	ND(1.2)
1,3-Dichlorobenzene	ppbv	--	--	--	--	--	--	ND(1.2)	ND(1.2)
1,4-Dichlorobenzene	ppbv	--	--	--	--	--	--	ND(1.2)	ND(1.2)
2,2,4-Trimethylpentane	ppbv	--	--	--	--	--	--	ND(1.2)	ND(1.2)
2-Butanone (Methyl ethyl ketone) (MEK)	ppbv	--	--	--	--	--	--	ND(4.8)	ND(4.9)
2-Hexanone	ppbv	--	--	--	--	--	--	ND(4.8)	ND(4.9)
2-Phenylbutane (sec-Butylbenzene)	ppbv	--	--	--	--	--	--	ND(4.8)	ND(4.9)
4-Ethyl toluene	ppbv	--	--	--	--	--	--	ND(1.2)	ND(1.2)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ppbv	--	--	--	--	--	--	ND(1.2)	ND(1.2)
Acetone	ppbv	--	--	--	--	--	--	ND(12)	ND(12)
Allyl chloride	ppbv	--	--	--	--	--	--	ND(4.8)	ND(4.9)
Benzene	ppbv	--	--	--	--	--	--	ND(1.2)	ND(1.2)
Benzyl chloride	ppbv	--	--	--	--	--	--	ND(1.2)	ND(1.2)
Bromodichloromethane	ppbv	--	--	--	--	--	--	ND(1.2)	ND(1.2)
Bromoform	ppbv	--	--	--	--	--	--	ND(1.2)	ND(1.2)
Bromomethane (Methyl bromide)	ppbv	--	--	--	--	--	--	ND(12)	ND(12)
Carbon disulfide	ppbv	--	--	--	--	--	--	ND(4.8)	14
Carbon tetrachloride	ppbv	--	--	--	--	--	--	ND(1.2)	ND(1.2)
Chlorobenzene	ppbv	--	--	--	--	--	--	ND(1.2)	ND(1.2)
Chloroethane	ppbv	--	--	--	--	--	--	ND(4.8)	ND(4.9)
Chloroform (Trichloromethane)	ppbv	--	--	--	--	--	--	69	61
Chloromethane (Methyl chloride)	ppbv	--	--	--	--	--	--	ND(12)	ND(12)

Table 2

Analytical Results Summary
TI Zone SVE Process Air Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
May 2025

	Location ID:	**S-7 Port 5**	**S-12 Port 1**	**S-12 Port 2**	**S-12 Port 3**	**S-12 Port 4**	**S-12 Port 5**	**Carbon Vessel Effluer**	**SGZ Carbon Vessel Influent Air**
	Sample Name:	**SG-051325-KB-05**	**SG-051425-KB-06**	**SG-051425-KB-07**	**SG-051425-KB-08**	**SG-051425-KB-09**	**SG-051425-KB-10**	**AE-050625-TF-02**	**AI-050625-TF-01**
	Sample Date:	**05/13/2025**	**05/14/2025**	**05/14/2025**	**05/14/2025**	**05/14/2025**	**05/14/2025**	**05/06/2025**	**05/06/2025**
	Depth:	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
Parameters	**Unit**								
Volatile Organic Compounds									
cis-1,2-Dichloroethene	ppbv	--	--	--	--	--	--	ND(1.2)	ND(1.2)
cis-1,3-Dichloropropene	ppbv	--	--	--	--	--	--	ND(1.2)	ND(1.2)
Cyclohexane	ppbv	--	--	--	--	--	--	ND(1.2)	ND(1.2)
Dibromochloromethane	ppbv	--	--	--	--	--	--	ND(1.2)	ND(1.2)
Dichlorodifluoromethane (CFC-12)	ppbv	--	--	--	--	--	--	ND(1.2)	ND(1.2)
Ethyl acetate	ppbv	--	--	--	--	--	--	ND(4.8)	ND(4.9)
Ethylbenzene	ppbv	ND(1.2)	--	--	--	--	--	ND(1.2)	ND(1.2)
Hexachlorobutadiene	ppbv	--	--	--	--	--	--	ND(4.8)	ND(4.9)
Hexane	ppbv	--	--	--	--	--	--	ND(1.2)	ND(1.2)
Isopropyl alcohol	ppbv	--	--	--	--	--	--	ND(4.8)	ND(4.9)
Isopropyl benzene	ppbv	--	--	--	--	--	--	ND(1.2)	ND(1.2)
m&p-Xylenes	ppbv	--	--	--	--	--	--	ND(2.4)	ND(2.5)
Methyl tert butyl ether (MTBE)	ppbv	--	--	--	--	--	--	ND(4.8)	ND(4.9)
Methylene chloride	ppbv	--	ND(2.3)	ND(2.2)	ND(2.2)	ND(2.3)	ND(2.3)	ND(12)	ND(12)
N-Butylbenzene	ppbv	--	--	--	--	--	--	ND(4.8)	ND(4.9)
N-Heptane	ppbv	--	--	--	--	--	--	ND(1.2)	ND(1.2)
N-Propylbenzene	ppbv	--	--	--	--	--	--	ND(1.2)	ND(1.2)
Naphthalene	ppbv	--	--	--	--	--	--	ND(2.4)	ND(2.5)
Nonane	ppbv	--	--	--	--	--	--	ND(4.8)	ND(4.9)
o-Xylene	ppbv	--	--	--	--	--	--	ND(1.2)	ND(1.2)
Octane	ppbv	--	--	--	--	--	--	ND(4.8)	ND(4.9)
Propylene (propene)	ppbv	--	--	--	--	--	--	ND(4.8)	ND(4.9)
Styrene	ppbv	--	--	--	--	--	--	ND(1.2)	ND(1.2)
tert-Butylbenzene	ppbv	--	--	--	--	--	--	ND(4.8)	ND(4.9)
Tetrachloroethene	ppbv	ND(1.2)	ND(1.1)	1.5	1.1	1.2	ND(1.2)	ND(1.2)	ND(1.2)
Tetrahydrofuran	ppbv	--	--	--	--	--	--	ND(1.2)	ND(1.2)
Toluene	ppbv	--	--	--	--	--	--	ND(2.4)	ND(2.5)
trans-1,2-Dichloroethene	ppbv	--	--	--	--	--	--	ND(1.2)	ND(1.2)
trans-1,3-Dichloropropene	ppbv	--	--	--	--	--	--	ND(1.2)	ND(1.2)
Trichloroethene	ppbv	--	1.6	1.2	ND(1.1)	1.4	1.6	ND(1.2)	260
Trichlorofluoromethane (CFC-11)	ppbv	--	--	--	--	--	--	ND(1.2)	ND(1.2)
Trifluorotrichloroethane (CFC-113)	ppbv	--	--	--	--	--	--	ND(1.2)	ND(1.2)
Vinyl acetate	ppbv	--	--	--	--	--	--	ND(4.8)	ND(4.9)
Vinyl chloride	ppbv	--	--	--	--	--	--	ND(1.2)	ND(1.2)

Table 2

Analytical Results Summary
TI Zone SVE Process Air Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
May 2025

	Location ID:	**S-7 Port 5**	**S-12 Port 1**	**S-12 Port 2**	**S-12 Port 3**	**S-12 Port 4**	**S-12 Port 5**	**Carbon Vessel Effluer**	**SGZ Carbon Vessel Influent Air**
	Sample Name:	**SG-051325-KB-05**	**SG-051425-KB-06**	**SG-051425-KB-07**	**SG-051425-KB-08**	**SG-051425-KB-09**	**SG-051425-KB-10**	**AE-050625-TF-02**	**AI-050625-TF-01**
	Sample Date:	**05/13/2025**	**05/14/2025**	**05/14/2025**	**05/14/2025**	**05/14/2025**	**05/14/2025**	**05/06/2025**	**05/06/2025**
	Depth:	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
Parameters	**Unit**								
Volatile Organic Compounds									
1,1,1-Trichloroethane	µg/m3	--	--	--	--	--	--	ND(6.5)	ND(6.7)
1,1,2,2-Tetrachloroethane	µg/m3	--	--	--	--	--	--	ND(8.2)	ND(8.4)
1,1,2-Trichloroethane	µg/m3	--	--	--	--	--	--	ND(6.5)	ND(6.7)
1,1-Dichloroethane	µg/m3	--	--	--	--	--	--	ND(4.8)	ND(5.0)
1,1-Dichloroethene	µg/m3	ND(4.7)	--	--	--	--	--	9.4	7.7
1,1-Difluoroethane	µg/m3	--	--	--	--	--	--	ND(13)	ND(13)
1,2,4-Trichlorobenzene	µg/m3	--	--	--	--	--	--	ND(35)	ND(36)
1,2,4-Trimethylbenzene	µg/m3	--	--	--	--	--	--	ND(5.9)	ND(6.0)
1,2-Dibromoethane (Ethylene dibromide)	µg/m3	--	--	--	--	--	--	ND(9.2)	ND(9.4)
1,2-Dichlorobenzene	µg/m3	--	--	--	--	--	--	ND(7.2)	ND(7.4)
1,2-Dichloroethane	µg/m3	--	--	--	--	--	--	ND(4.8)	ND(5.0)
1,2-Dichloropropane	µg/m3	--	--	--	--	--	--	ND(5.5)	25
1,2-Dichlorotetrafluoroethane (CFC 114)	µg/m3	--	--	--	--	--	--	ND(8.4)	ND(8.6)
1,3,5-Trimethylbenzene	µg/m3	--	--	--	--	--	--	ND(5.9)	ND(6.0)
1,3-Butadiene	µg/m3	--	--	--	--	--	--	ND(2.6)	ND(2.7)
1,3-Dichlorobenzene	µg/m3	--	--	--	--	--	--	ND(7.2)	ND(7.4)
1,4-Dichlorobenzene	µg/m3	--	--	--	--	--	--	ND(7.2)	ND(7.4)
2,2,4-Trimethylpentane	µg/m3	--	--	--	--	--	--	ND(5.6)	ND(5.7)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/m3	--	--	--	--	--	--	ND(14)	ND(14)
2-Hexanone	µg/m3	--	--	--	--	--	--	ND(20)	ND(20)
2-Phenylbutane (sec-Butylbenzene)	µg/m3	--	--	--	--	--	--	ND(26)	ND(27)
4-Ethyl toluene	µg/m3	--	--	--	--	--	--	ND(5.9)	ND(6.0)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/m3	--	--	--	--	--	--	ND(4.9)	ND(5.0)
Acetone	µg/m3	--	--	--	--	--	--	ND(28)	ND(29)
Allyl chloride	µg/m3	--	--	--	--	--	--	ND(15)	ND(15)
Benzene	µg/m3	--	--	--	--	--	--	ND(3.8)	ND(3.9)
Benzyl chloride	µg/m3	--	--	--	--	--	--	ND(6.2)	ND(6.4)
Bromodichloromethane	µg/m3	--	--	--	--	--	--	ND(8.0)	ND(8.2)
Bromoform	µg/m3	--	--	--	--	--	--	ND(12)	ND(13)
Bromomethane (Methyl bromide)	µg/m3	--	--	--	--	--	--	ND(46)	ND(48)
Carbon disulfide	µg/m3	--	--	--	--	--	--	ND(15)	45
Carbon tetrachloride	µg/m3	--	--	--	--	--	--	ND(7.5)	ND(7.7)
Chlorobenzene	µg/m3	--	--	--	--	--	--	ND(5.5)	ND(5.7)
Chloroethane	µg/m3	--	--	--	--	--	--	ND(13)	ND(13)
Chloroform (Trichloromethane)	µg/m3	--	--	--	--	--	--	340	300
Chloromethane (Methyl chloride)	µg/m3	--	--	--	--	--	--	ND(25)	ND(25)
cis-1,2-Dichloroethene	µg/m3	--	--	--	--	--	--	ND(4.7)	ND(4.9)

Table 2

Analytical Results Summary
TI Zone SVE Process Air Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
May 2025

	Location ID:	**S-7 Port 5**	**S-12 Port 1**	**S-12 Port 2**	**S-12 Port 3**	**S-12 Port 4**	**S-12 Port 5**	**Carbon Vessel Effluer**	**SGZ Carbon Vessel Influent Air**
	Sample Name:	**SG-051325-KB-05**	**SG-051425-KB-06**	**SG-051425-KB-07**	**SG-051425-KB-08**	**SG-051425-KB-09**	**SG-051425-KB-10**	**AE-050625-TF-02**	**AI-050625-TF-01**
	Sample Date:	**05/13/2025**	**05/14/2025**	**05/14/2025**	**05/14/2025**	**05/14/2025**	**05/14/2025**	**05/06/2025**	**05/06/2025**
	Depth:	**--**	**--**	**--**	**--**	**--**	**--**	**--**	**--**
Parameters	**Unit**								
Volatile Organic Compounds									
cis-1,3-Dichloropropene	µg/m3	--	--	--	--	--	--	ND(5.4)	ND(5.6)
Cyclohexane	µg/m3	--	--	--	--	--	--	ND(4.1)	ND(4.2)
Dibromochloromethane	µg/m3	--	--	--	--	--	--	ND(10)	ND(10)
Dichlorodifluoromethane (CFC-12)	µg/m3	--	--	--	--	--	--	ND(5.9)	ND(6.1)
Ethyl acetate	µg/m3	--	--	--	--	--	--	ND(17)	ND(18)
Ethylbenzene	µg/m3	ND(5.2)	--	--	--	--	--	ND(5.2)	ND(5.3)
Hexachlorobutadiene	µg/m3	--	--	--	--	--	--	ND(51)	ND(52)
Hexane	µg/m3	--	--	--	--	--	--	ND(4.2)	ND(4.3)
Isopropyl alcohol	µg/m3	--	--	--	--	--	--	ND(12)	ND(12)
Isopropyl benzene	µg/m3	--	--	--	--	--	--	ND(5.9)	ND(6.0)
m&p-Xylenes	µg/m3	--	--	--	--	--	--	ND(10)	ND(11)
Methyl tert butyl ether (MTBE)	µg/m3	--	--	--	--	--	--	ND(17)	ND(18)
Methylene chloride	µg/m3	--	ND(7.9)	ND(7.7)	ND(7.7)	ND(8.0)	ND(8.1)	ND(42)	ND(43)
N-Butylbenzene	µg/m3	--	--	--	--	--	--	ND(26)	ND(27)
N-Heptane	µg/m3	--	--	--	--	--	--	ND(4.9)	ND(5.0)
N-Propylbenzene	µg/m3	--	--	--	--	--	--	ND(5.9)	ND(6.0)
Naphthalene	µg/m3	--	--	--	--	--	--	ND(12)	ND(13)
Nonane	µg/m3	--	--	--	--	--	--	ND(25)	ND(26)
o-Xylene	µg/m3	--	--	--	--	--	--	ND(5.2)	ND(5.3)
Octane	µg/m3	--	--	--	--	--	--	ND(22)	ND(23)
Propylene (propene)	µg/m3	--	--	--	--	--	--	ND(8.2)	ND(8.5)
Styrene	µg/m3	--	--	--	--	--	--	ND(5.1)	ND(5.2)
tert-Butylbenzene	µg/m3	--	--	--	--	--	--	ND(26)	ND(27)
Tetrachloroethene	µg/m3	ND(8.1)	ND(7.7)	10	7.8	7.8	ND(7.9)	ND(8.1)	ND(8.3)
Tetrahydrofuran	µg/m3	--	--	--	--	--	--	ND(3.5)	ND(3.6)
Toluene	µg/m3	--	--	--	--	--	--	ND(9.0)	ND(9.3)
trans-1,2-Dichloroethene	µg/m3	--	--	--	--	--	--	ND(4.7)	ND(4.9)
trans-1,3-Dichloropropene	µg/m3	--	--	--	--	--	--	ND(5.4)	ND(5.6)
Trichloroethene	µg/m3	--	8.7	6.7	ND(5.9)	7.5	8.5	ND(6.4)	1400
Trichlorofluoromethane (CFC-11)	µg/m3	--	--	--	--	--	--	ND(6.7)	ND(6.9)
Trifluorotrichloroethane (CFC-113)	µg/m3	--	--	--	--	--	--	ND(9.2)	ND(9.4)
Vinyl acetate	µg/m3	--	--	--	--	--	--	ND(17)	ND(17)
Vinyl chloride	µg/m3	--	--	--	--	--	--	ND(3.0)	ND(3.1)

Table 2

Analytical Results Summary
TI Zone SVE Process Air Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
May 2025

Location ID:		**SVE-1, Unit 2/3**	**SVE-2, Unit 2/3**	**SVE-3, Unit 2/3**	**SVE-4, Unit 2/3**	**Combined Influen**	**E East Carbon Vessel Effluent**
Sample Name:		**AI-050625-TF-05**	**AI-050625-TF-06**	**AI-050625-TF-07**	**AI-050625-TF-08**	**AI-050625-TF-03**	**AE-050625-TF-04**
Sample Date:		**05/06/2025**	**05/06/2025**	**05/06/2025**	**05/06/2025**	**05/06/2025**	**05/06/2025**
Depth:		**--**	**--**	**--**	**--**	**--**	**--**
Parameters	**Unit**						
Volatile Organic Compounds							
1,1,1-Trichloroethane	ppbv	ND(1.3)	ND(1.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(1.4)
1,1,2,2-Tetrachloroethane	ppbv	ND(1.3)	ND(1.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(1.4)
1,1,2-Trichloroethane	ppbv	ND(1.3)	ND(1.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(1.4)
1,1-Dichloroethane	ppbv	ND(1.3)	ND(1.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(1.4)
1,1-Dichloroethene	ppbv	ND(1.3)	ND(1.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(1.4)
1,1-Difluoroethane	ppbv	ND(5.2)	ND(5.5)	ND(5.1)	ND(5.2)	ND(6.0)	ND(5.4)
1,2,4-Trichlorobenzene	ppbv	ND(5.2)	ND(5.5)	ND(5.1)	ND(5.2)	ND(6.0)	ND(5.4)
1,2,4-Trimethylbenzene	ppbv	ND(1.3)	ND(1.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(1.4)
1,2-Dibromoethane (Ethylene dibromide)	ppbv	ND(1.3)	ND(1.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(1.4)
1,2-Dichlorobenzene	ppbv	ND(1.3)	ND(1.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(1.4)
1,2-Dichloroethane	ppbv	ND(1.3)	ND(1.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(1.4)
1,2-Dichloropropane	ppbv	ND(1.3)	ND(1.4)	ND(1.3)	3.5	ND(1.5)	ND(1.4)
1,2-Dichlorotetrafluoroethane (CFC 114)	ppbv	ND(1.3)	ND(1.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(1.4)
1,3,5-Trimethylbenzene	ppbv	ND(1.3)	ND(1.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(1.4)
1,3-Butadiene	ppbv	ND(1.3)	ND(1.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(1.4)
1,3-Dichlorobenzene	ppbv	ND(1.3)	ND(1.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(1.4)
1,4-Dichlorobenzene	ppbv	ND(1.3)	ND(1.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(1.4)
2,2,4-Trimethylpentane	ppbv	ND(1.3)	ND(1.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(1.4)
2-Butanone (Methyl ethyl ketone) (MEK)	ppbv	ND(5.2)	ND(5.5)	ND(5.1)	ND(5.2)	ND(6.0)	ND(5.4)
2-Hexanone	ppbv	ND(5.2)	ND(5.5)	ND(5.1)	ND(5.2)	ND(6.0)	ND(5.4)
2-Phenylbutane (sec-Butylbenzene)	ppbv	ND(5.2)	ND(5.5)	ND(5.1)	ND(5.2)	ND(6.0)	ND(5.4)
4-Ethyl toluene	ppbv	ND(1.3)	ND(1.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(1.4)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ppbv	ND(1.3)	ND(1.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(1.4)
Acetone	ppbv	15	17	ND(13)	32	38	50
Allyl chloride	ppbv	ND(5.2)	ND(5.5)	ND(5.1)	ND(5.2)	ND(6.0)	ND(5.4)
Benzene	ppbv	ND(1.3)	ND(1.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(1.4)
Benzyl chloride	ppbv	ND(1.3)	ND(1.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(1.4)
Bromodichloromethane	ppbv	ND(1.3)	ND(1.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(1.4)
Bromoform	ppbv	ND(1.3)	ND(1.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(1.4)
Bromomethane (Methyl bromide)	ppbv	ND(13)	ND(14)	ND(13)	ND(13)	ND(15)	ND(14)
Carbon disulfide	ppbv	ND(5.2)	ND(5.5)	ND(5.1)	ND(5.2)	ND(6.0)	ND(5.4)
Carbon tetrachloride	ppbv	ND(1.3)	ND(1.4)	1.7	ND(1.3)	ND(1.5)	ND(1.4)
Chlorobenzene	ppbv	ND(1.3)	ND(1.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(1.4)
Chloroethane	ppbv	ND(5.2)	ND(5.5)	ND(5.1)	ND(5.2)	ND(6.0)	ND(5.4)
Chloroform (Trichloromethane)	ppbv	ND(1.3)	ND(1.4)	ND(1.3)	43	4.8	ND(1.4)
Chloromethane (Methyl chloride)	ppbv	ND(13)	ND(14)	ND(13)	ND(13)	ND(15)	ND(14)

Table 2

Analytical Results Summary
TI Zone SVE Process Air Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
May 2025

Location ID:		**SVE-1, Unit 2/3**	**SVE-2, Unit 2/3**	**SVE-3, Unit 2/3**	**SVE-4, Unit 2/3**	**Combined Influen**	**E East Carbon Vessel Effluent**
Sample Name:		**AI-050625-TF-05**	**AI-050625-TF-06**	**AI-050625-TF-07**	**AI-050625-TF-08**	**AI-050625-TF-03**	**AE-050625-TF-04**
Sample Date:		**05/06/2025**	**05/06/2025**	**05/06/2025**	**05/06/2025**	**05/06/2025**	**05/06/2025**
Depth:		**--**	**--**	**--**	**--**	**--**	**--**
Parameters	**Unit**						
Volatile Organic Compounds							
cis-1,2-Dichloroethene	ppbv	ND(1.3)	ND(1.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(1.4)
cis-1,3-Dichloropropene	ppbv	ND(1.3)	ND(1.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(1.4)
Cyclohexane	ppbv	ND(1.3)	ND(1.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(1.4)
Dibromochloromethane	ppbv	ND(1.3)	ND(1.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(1.4)
Dichlorodifluoromethane (CFC-12)	ppbv	ND(1.3)	ND(1.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(1.4)
Ethyl acetate	ppbv	ND(5.2)	ND(5.5)	ND(5.1)	ND(5.2)	ND(6.0)	ND(5.4)
Ethylbenzene	ppbv	ND(1.3)	ND(1.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(1.4)
Hexachlorobutadiene	ppbv	ND(5.2)	ND(5.5)	ND(5.1)	ND(5.2)	ND(6.0)	ND(5.4)
Hexane	ppbv	ND(1.3)	ND(1.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(1.4)
Isopropyl alcohol	ppbv	ND(5.2)	ND(5.5)	ND(5.1)	ND(5.2)	ND(6.0)	ND(5.4)
Isopropyl benzene	ppbv	ND(1.3)	ND(1.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(1.4)
m&p-Xylenes	ppbv	ND(2.6)	ND(2.8)	ND(2.5)	ND(2.6)	ND(3.0)	ND(2.7)
Methyl tert butyl ether (MTBE)	ppbv	ND(5.2)	ND(5.5)	ND(5.1)	ND(5.2)	ND(6.0)	ND(5.4)
Methylene chloride	ppbv	ND(13)	ND(14)	ND(13)	ND(13)	ND(15)	ND(14)
N-Butylbenzene	ppbv	ND(5.2)	ND(5.5)	ND(5.1)	ND(5.2)	ND(6.0)	ND(5.4)
N-Heptane	ppbv	ND(1.3)	ND(1.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(1.4)
N-Propylbenzene	ppbv	ND(1.3)	ND(1.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(1.4)
Naphthalene	ppbv	ND(2.6)	ND(2.8)	ND(2.5)	ND(2.6)	ND(3.0)	ND(2.7)
Nonane	ppbv	ND(5.2)	ND(5.5)	ND(5.1)	ND(5.2)	ND(6.0)	ND(5.4)
o-Xylene	ppbv	ND(1.3)	ND(1.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(1.4)
Octane	ppbv	ND(5.2)	ND(5.5)	ND(5.1)	ND(5.2)	ND(6.0)	ND(5.4)
Propylene (propene)	ppbv	ND(5.2)	ND(5.5)	ND(5.1)	ND(5.2)	ND(6.0)	ND(5.4)
Styrene	ppbv	ND(1.3)	ND(1.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(1.4)
tert-Butylbenzene	ppbv	ND(5.2)	ND(5.5)	ND(5.1)	ND(5.2)	ND(6.0)	ND(5.4)
Tetrachloroethene	ppbv	ND(1.3)	ND(1.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(1.4)
Tetrahydrofuran	ppbv	ND(1.3)	ND(1.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(1.4)
Toluene	ppbv	ND(2.6)	ND(2.8)	ND(2.5)	ND(2.6)	ND(3.0)	ND(2.7)
trans-1,2-Dichloroethene	ppbv	ND(1.3)	ND(1.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(1.4)
trans-1,3-Dichloropropene	ppbv	ND(1.3)	ND(1.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(1.4)
Trichloroethene	ppbv	4.2	ND(1.4)	11	34	9.3	ND(1.4)
Trichlorofluoromethane (CFC-11)	ppbv	ND(1.3)	ND(1.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(1.4)
Trifluorotrichloroethane (CFC-113)	ppbv	ND(1.3)	ND(1.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(1.4)
Vinyl acetate	ppbv	ND(5.2)	ND(5.5)	ND(5.1)	ND(5.2)	ND(6.0)	ND(5.4)
Vinyl chloride	ppbv	ND(1.3)	ND(1.4)	ND(1.3)	ND(1.3)	ND(1.5)	ND(1.4)

Table 2

Analytical Results Summary
TI Zone SVE Process Air Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
May 2025

Location ID:		**SVE-1, Unit 2/3**	**SVE-2, Unit 2/3**	**SVE-3, Unit 2/3**	**SVE-4, Unit 2/3**	**Combined Influen**	**E East Carbon Vessel Effluent**
Sample Name:		**AI-050625-TF-05**	**AI-050625-TF-06**	**AI-050625-TF-07**	**AI-050625-TF-08**	**AI-050625-TF-03**	**AE-050625-TF-04**
Sample Date:		**05/06/2025**	**05/06/2025**	**05/06/2025**	**05/06/2025**	**05/06/2025**	**05/06/2025**
Depth:		**--**	**--**	**--**	**--**	**--**	**--**
Parameters	**Unit**						
Volatile Organic Compounds							
1,1,1-Trichloroethane	µg/m3	ND(7.0)	ND(7.5)	ND(6.9)	ND(7.1)	ND(8.2)	ND(7.4)
1,1,2,2-Tetrachloroethane	µg/m3	ND(8.8)	ND(9.5)	ND(8.7)	ND(9.0)	ND(10)	ND(9.3)
1,1,2-Trichloroethane	µg/m3	ND(7.0)	ND(7.5)	ND(6.9)	ND(7.1)	ND(8.2)	ND(7.4)
1,1-Dichloroethane	µg/m3	ND(5.2)	ND(5.6)	ND(5.1)	ND(5.3)	ND(6.1)	ND(5.5)
1,1-Dichloroethene	µg/m3	ND(5.1)	ND(5.5)	ND(5.0)	ND(5.2)	ND(5.9)	ND(5.4)
1,1-Difluoroethane	µg/m3	ND(14)	ND(15)	ND(14)	ND(14)	ND(16)	ND(14)
1,2,4-Trichlorobenzene	µg/m3	ND(38)	ND(41)	ND(38)	ND(39)	ND(44)	ND(40)
1,2,4-Trimethylbenzene	µg/m3	ND(6.3)	ND(6.8)	ND(6.2)	ND(6.4)	ND(7.4)	ND(6.6)
1,2-Dibromoethane (Ethylene dibromide)	µg/m3	ND(9.9)	ND(11)	ND(9.7)	ND(10)	ND(12)	ND(10)
1,2-Dichlorobenzene	µg/m3	ND(7.8)	ND(8.3)	ND(7.6)	ND(7.8)	ND(9.0)	ND(8.1)
1,2-Dichloroethane	µg/m3	ND(5.2)	ND(5.6)	ND(5.1)	ND(5.3)	ND(6.1)	ND(5.5)
1,2-Dichloropropane	µg/m3	ND(6.0)	ND(6.4)	ND(5.8)	16	ND(6.9)	ND(6.2)
1,2-Dichlorotetrafluoroethane (CFC 114)	µg/m3	ND(9.0)	ND(9.6)	ND(8.8)	ND(9.1)	ND(10)	ND(9.4)
1,3,5-Trimethylbenzene	µg/m3	ND(6.3)	ND(6.8)	ND(6.2)	ND(6.4)	ND(7.4)	ND(6.6)
1,3-Butadiene	µg/m3	ND(2.8)	ND(3.0)	ND(2.8)	ND(2.9)	ND(3.3)	ND(3.0)
1,3-Dichlorobenzene	µg/m3	ND(7.8)	ND(8.3)	ND(7.6)	ND(7.8)	ND(9.0)	ND(8.1)
1,4-Dichlorobenzene	µg/m3	ND(7.8)	ND(8.3)	ND(7.6)	ND(7.8)	ND(9.0)	ND(8.1)
2,2,4-Trimethylpentane	µg/m3	ND(6.0)	ND(6.4)	ND(5.9)	ND(6.1)	ND(7.0)	ND(6.3)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/m3	ND(15)	ND(16)	ND(15)	ND(15)	ND(18)	ND(16)
2-Hexanone	µg/m3	ND(21)	ND(23)	ND(21)	ND(21)	ND(24)	ND(22)
2-Phenylbutane (sec-Butylbenzene)	µg/m3	ND(28)	ND(30)	ND(28)	ND(29)	ND(33)	ND(30)
4-Ethyl toluene	µg/m3	ND(6.3)	ND(6.8)	ND(6.2)	ND(6.4)	ND(7.4)	ND(6.6)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/m3	ND(5.3)	ND(5.6)	ND(5.2)	ND(5.3)	ND(6.1)	ND(5.5)
Acetone	µg/m3	36	40	ND(30)	76	90	120
Allyl chloride	µg/m3	ND(16)	ND(17)	ND(16)	ND(16)	ND(19)	ND(17)
Benzene	µg/m3	ND(4.1)	ND(4.4)	ND(4.0)	ND(4.2)	ND(4.8)	ND(4.3)
Benzyl chloride	µg/m3	ND(6.7)	ND(7.1)	ND(6.5)	ND(6.8)	ND(7.8)	ND(7.0)
Bromodichloromethane	µg/m3	ND(8.6)	ND(9.2)	ND(8.5)	ND(8.7)	ND(10)	ND(9.0)
Bromoform	µg/m3	ND(13)	ND(14)	ND(13)	ND(13)	ND(16)	ND(14)
Bromomethane (Methyl bromide)	µg/m3	ND(50)	ND(54)	ND(49)	ND(51)	ND(58)	ND(52)
Carbon disulfide	µg/m3	ND(16)	ND(17)	ND(16)	ND(16)	ND(19)	ND(17)
Carbon tetrachloride	µg/m3	ND(8.1)	ND(8.7)	10	ND(8.2)	ND(9.4)	ND(8.5)
Chlorobenzene	µg/m3	ND(5.9)	ND(6.4)	ND(5.8)	ND(6.0)	ND(6.9)	ND(6.2)
Chloroethane	µg/m3	ND(14)	ND(14)	ND(13)	ND(14)	ND(16)	ND(14)
Chloroform (Trichloromethane)	µg/m3	ND(6.3)	ND(6.7)	ND(6.2)	210	24	ND(6.6)
Chloromethane (Methyl chloride)	µg/m3	ND(27)	ND(28)	ND(26)	ND(27)	ND(31)	ND(28)
cis-1,2-Dichloroethene	µg/m3	ND(5.1)	ND(5.5)	ND(5.0)	ND(5.2)	ND(5.9)	ND(5.4)

Table 2

Analytical Results Summary
TI Zone SVE Process Air Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
May 2025

Location ID:		**SVE-1, Unit 2/3**	**SVE-2, Unit 2/3**	**SVE-3, Unit 2/3**	**SVE-4, Unit 2/3**	**Combined Influen**	**E East Carbon Vessel Effluent**
Sample Name:		**AI-050625-TF-05**	**AI-050625-TF-06**	**AI-050625-TF-07**	**AI-050625-TF-08**	**AI-050625-TF-03**	**AE-050625-TF-04**
Sample Date:		**05/06/2025**	**05/06/2025**	**05/06/2025**	**05/06/2025**	**05/06/2025**	**05/06/2025**
Depth:		**--**	**--**	**--**	**--**	**--**	**--**
Parameters	**Unit**						
Volatile Organic Compounds							
cis-1,3-Dichloropropene	µg/m3	ND(5.8)	ND(6.3)	ND(5.7)	ND(5.9)	ND(6.8)	ND(6.1)
Cyclohexane	µg/m3	ND(4.4)	ND(4.8)	ND(4.4)	ND(4.5)	ND(5.2)	ND(4.6)
Dibromochloromethane	µg/m3	ND(11)	ND(12)	ND(11)	ND(11)	ND(13)	ND(12)
Dichlorodifluoromethane (CFC-12)	µg/m3	ND(6.4)	ND(6.8)	ND(6.2)	ND(6.4)	ND(7.4)	ND(6.7)
Ethyl acetate	µg/m3	ND(18)	ND(20)	ND(18)	ND(19)	ND(22)	ND(19)
Ethylbenzene	µg/m3	ND(5.6)	ND(6.0)	ND(5.5)	ND(5.7)	ND(6.5)	ND(5.9)
Hexachlorobutadiene	µg/m3	ND(55)	ND(59)	ND(54)	ND(56)	ND(64)	ND(58)
Hexane	µg/m3	ND(4.5)	ND(4.9)	ND(4.4)	ND(4.6)	ND(5.3)	ND(4.8)
Isopropyl alcohol	µg/m3	ND(13)	ND(14)	ND(12)	ND(13)	ND(15)	ND(13)
Isopropyl benzene	µg/m3	ND(6.3)	ND(6.8)	ND(6.2)	ND(6.4)	ND(7.4)	ND(6.6)
m&p-Xylenes	µg/m3	ND(11)	ND(12)	ND(11)	ND(11)	ND(13)	ND(12)
Methyl tert butyl ether (MTBE)	µg/m3	ND(19)	ND(20)	ND(18)	ND(19)	ND(22)	ND(19)
Methylene chloride	µg/m3	ND(45)	ND(48)	ND(44)	ND(45)	ND(52)	ND(47)
N-Butylbenzene	µg/m3	ND(28)	ND(30)	ND(28)	ND(29)	ND(33)	ND(30)
N-Heptane	µg/m3	ND(5.3)	ND(5.6)	ND(5.2)	ND(5.3)	ND(6.1)	ND(5.5)
N-Propylbenzene	µg/m3	ND(6.3)	ND(6.8)	ND(6.2)	ND(6.4)	ND(7.4)	ND(6.6)
Naphthalene	µg/m3	ND(14)	ND(14)	ND(13)	ND(14)	ND(16)	ND(14)
Nonane	µg/m3	ND(27)	ND(29)	ND(26)	ND(27)	ND(31)	ND(28)
o-Xylene	µg/m3	ND(5.6)	ND(6.0)	ND(5.5)	ND(5.7)	ND(6.5)	ND(5.9)
Octane	µg/m3	ND(24)	ND(26)	ND(24)	ND(24)	ND(28)	ND(25)
Propylene (propene)	µg/m3	ND(8.9)	ND(9.5)	ND(8.7)	ND(9.0)	ND(10)	ND(9.3)
Styrene	µg/m3	ND(5.5)	ND(5.9)	ND(5.4)	ND(5.6)	ND(6.4)	ND(5.8)
tert-Butylbenzene	µg/m3	ND(28)	ND(30)	ND(28)	ND(29)	ND(33)	ND(30)
Tetrachloroethene	µg/m3	ND(8.8)	ND(9.4)	ND(8.6)	ND(8.8)	ND(10)	ND(9.2)
Tetrahydrofuran	µg/m3	ND(3.8)	ND(4.1)	ND(3.7)	ND(3.8)	ND(4.4)	ND(4.0)
Toluene	µg/m3	ND(9.7)	ND(10)	ND(9.5)	ND(9.8)	ND(11)	ND(10)
trans-1,2-Dichloroethene	µg/m3	ND(5.1)	ND(5.5)	ND(5.0)	ND(5.2)	ND(5.9)	ND(5.4)
trans-1,3-Dichloropropene	µg/m3	ND(5.8)	ND(6.3)	ND(5.7)	ND(5.9)	ND(6.8)	ND(6.1)
Trichloroethene	µg/m3	22	ND(7.4)	59	180	50	ND(7.2)
Trichlorofluoromethane (CFC-11)	µg/m3	ND(7.2)	ND(7.8)	ND(7.1)	ND(7.3)	ND(8.4)	ND(7.6)
Trifluorotrichloroethane (CFC-113)	µg/m3	ND(9.9)	ND(10)	ND(9.7)	ND(10)	ND(11)	ND(10)
Vinyl acetate	µg/m3	ND(18)	ND(19)	ND(18)	ND(18)	ND(21)	ND(19)
Vinyl chloride	µg/m3	ND(3.3)	ND(3.5)	ND(3.2)	ND(3.3)	ND(3.8)	ND(3.4)

Notes:

ND ( ) -Not detected at the associated reporting limit
-- - Not applicable

Table 3

Analytical Method
TI Zone SVE Process Air Sampling
Tucson International Airport Area Superfund Site - Airport Property
Tucson, Arizona
May 2025

Parameter	Method	Matrix
Volatile Organic Compounds (VOCs)	TO-15	Air

Method Reference:

TO-15 - "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", EPA-625/R-96/010b, January 1999

Data Verification Report

July 2, 2025

To	Justin Berkompas; Evan Schaff	**Project No.**	12619196
Copy to	File	**DVR No.**	31
From	Sheri Finn/cs	**Contact No.**	716-205-1977
Project Name	TIAA Superfund Site	**Email**	sheri.finn@ghd.com
Subject	Analytical Results and Verification SGZ Remedy-Process Water Sampling Tucson International Airport Area Superfund Site-Airport Property Tucson, Arizona June 2025		

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

1. Introduction

This document details a reduced validation of analytical results for water samples collected in support of the Shallow Groundwater Zone (SGZ) Remedy at the Tucson International Airport Area Superfund Site for the June 2025 event. Samples were submitted to Turner Laboratories located in Tucson, Arizona. A sample collection and analysis summary is presented in Table 1. The validated analytical results are summarized in Table 2. A summary of the analytical methodology is presented in Table 3.

Standard GHD report deliverables were submitted by the laboratory. The final results and supporting quality assurance/quality control (QA/QC) data were assessed. Evaluation of the data was based on information obtained from the chain of custody form, finished report forms, method blank data, and recovery data from surrogate spikes, laboratory control samples (LCS), matrix spike/matrix spike duplicates (MS/MSD) and field QA/QC samples.

The QA/QC criteria by which these data have been assessed are outlined in the analytical method referenced in Table 3 and applicable guidance from the documents entitled:

i) "Quality Assurance Project Plan", 013711 Report 37, September 2007

ii) "National Functional Guidelines for Organic Superfund Methods Data Review", United States Environmental Protection Agency (USEPA) 540-R-20-005, November 2020

2. Sample Holding Time and Preservation

The sample holding time criterion for the analysis is summarized in Table 3. The sample chain of custody document and analytical report were used to determine sample holding times. All samples were analyzed within the required holding time.

All samples were properly preserved, delivered on ice, and stored by the laboratory at the required temperature (0-6°C).

3. Laboratory Method Blank Analyses

Method blanks are prepared from a purified matrix and analyzed with investigative samples to determine the existence and magnitude of sample contamination introduced during the analytical procedures.

For this study, laboratory method blanks were analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch.

All method blank results were non-detect, indicating that laboratory contamination was not a factor for this investigation.

4. Surrogate Spike Recoveries

In accordance with the method employed, all samples, blanks, and QC samples analyzed for organics are spiked with surrogate compounds prior to sample analysis. Surrogate recoveries provide a means to evaluate the effects of laboratory performance on individual sample matrices.

All samples submitted for volatile organic compound (VOC) determinations were spiked with the appropriate number of surrogate compounds prior to sample analysis.

Surrogate recoveries were assessed against laboratory control limits. All surrogate recoveries met those criteria.

5. Laboratory Control Sample Analyses

LCS are prepared and analyzed as samples to assess the analytical efficiencies of the method employed, independent of sample matrix effects.

For this study, LCS were analyzed at a minimum frequency of 1 per 20 investigative samples. They were also analyzed in duplicate (LCSD) to assess analytical precision.

The LCS contained the compounds specified in the method. All LCS recoveries and relative percent differences (RPD) were within the laboratory control limits, demonstrating acceptable analytical accuracy and precision.

6. Matrix Spike/Matrix Spike Duplicate Analyses

To evaluate the effects of sample matrices on the preparation process, measurement procedures, and accuracy of a particular analysis, samples are spiked with a known concentration of the analyte of concern and analyzed as MS/MSD samples. The relative percent difference (RPD) between the MS and MSD is used to assess analytical precision. If the original sample concentration is significantly greater than the spike concentration, the recovery is not assessed. If only the MS or MSD recovery was outside of control limits, no qualification of the data was performed based on the acceptable recovery of the companion spike and the acceptable RPD.

MS/MSD analysis was performed on sample PW-060325-TF-01 and showed acceptable analytical accuracy and precision with the exception of very low trichlorethene recoveries. The associated sample result was qualified as estimated (see Table 4).

7. Field QA/QC Samples

The field QA/QC consisted of one trip blank sample, one field blank sample, and one field duplicate sample set.

7.1 Trip Blank Sample Analysis

To evaluate contamination from sample collection, transportation, storage, and analytical activities, one trip blank was submitted to the laboratory for VOC analysis. All results were non-detect for the compounds of interest.

7.2 Field Blank Sample Analysis

To assess ambient conditions at the site, one field blank was submitted for analysis, as identified in Table 1. All results were non-detect for the compounds of interest.

7.3 Field Duplicate Sample Analysis

To assess the analytical and sampling protocol precision, one field duplicate sample set was collected and submitted "blind" to the laboratory, as specified in Table 1. The RPDs associated with the duplicate sample must be less than 50 percent for water samples. If the reported concentration in either the investigative sample or its duplicate is less than five times the reporting limit (RL), the evaluation criterion is one times the RL value.

The field duplicate results were within acceptable agreement, demonstrating acceptable sampling and analytical precision.

8. Analyte Reporting

No positive analyte detections less than the reporting limit (RL) but greater than the method detection limit (MDL) were reported. Non-detect results were presented as non-detect at the RL in Table 2.

9. Conclusion

Based on the assessment detailed in the foregoing, the data summarized in Table 2 are acceptable with the qualification noted.

Regards,

Sheri Finn
Analyst

Table 1

Sample Collection and Analysis Summary
SGZ Remedy - Process Water Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
June 2025

Sample Identification	Location	Matrix	Collection Date (mm/dd/yyyy)	Collection Time (hr:min)	Analysis/Parameters	Comments
					TCL VOC	
PW-060325-TF-01	SGZ Combined Influent Water	Water	06/03/2025	11:45	X	
PW-060325-TF-03	SGZ Effluent Water	Water	06/03/2025	11:50	X	
PW-060325-TF-04	SGZ Effluent Water	Water	06/03/2025	11:52	X	Field Duplicate of PW-060325-TF-03
PW-060325-TF-02	-	Water	06/03/2025	11:47	X	Field Blank
TB-12619196-060325-TF	-	Water	06/03/2025	00:00	X	Trip Blank

Notes:

TCL - Target Compound List
VOC - Volatile Organic Compounds
SGZ - Shallow Groundwater Zone
"-" - Not applicable

Table 2

Analytical Results Summary
SGZ Remedy - Process Water Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
June 2025

	Location ID:	**SGZ Combined Influent Water**	**SGZ Effluent Water**
	Sample Name:	**PW-060325-TF-01**	**PW-060325-TF-03**
	Sample Date:	**06/03/2025**	**06/03/2025**
Parameters	**Unit**		
Volatile Organic Compounds			
1,1,1-Trichloroethane	µg/L	ND(5.0)	ND(0.50)
1,1-Dichloroethane	µg/L	ND(5.0)	ND(0.50)
1,1-Dichloroethene	µg/L	ND(5.0)	ND(0.50)
1,2-Dichloroethane	µg/L	ND(5.0)	ND(0.50)
1,2-Dichloropropane	µg/L	ND(5.0)	ND(0.50)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	ND(100)	ND(10)
Acetone	µg/L	ND(100)	ND(10)
Benzene	µg/L	ND(5.0)	ND(0.50)
Bromodichloromethane	µg/L	ND(5.0)	ND(0.50)
Bromoform	µg/L	ND(20)	ND(2.0)
Carbon tetrachloride	µg/L	ND(5.0)	ND(0.50)
Chlorobenzene	µg/L	ND(5.0)	ND(0.50)
Chloroform (Trichloromethane)	µg/L	15	ND(0.50)
Chloromethane (Methyl chloride)	µg/L	ND(10)	ND(1.0)
cis-1,2-Dichloroethene	µg/L	ND(5.0)	ND(0.50)
Dibromochloromethane	µg/L	ND(5.0)	ND(0.50)

Table 2

Analytical Results Summary
SGZ Remedy - Process Water Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
June 2025

	Location ID:	**SGZ Combined Influent Water**	**SGZ Effluent Water**
	Sample Name:	**PW-060325-TF-01**	**PW-060325-TF-03**
	Sample Date:	**06/03/2025**	**06/03/2025**
Parameters	**Unit**		
Volatile Organic Compounds			
Dichlorodifluoromethane (CFC-12)	µg/L	ND(5.0)	ND(0.50)
Ethylbenzene	µg/L	ND(5.0)	ND(0.50)
m&p-Xylenes	µg/L	ND(10)	ND(1.0)
Methylene chloride	µg/L	ND(10)	ND(1.0)
o-Xylene	µg/L	ND(5.0)	ND(0.50)
Tetrachloroethene	µg/L	ND(5.0)	ND(0.50)
Toluene	µg/L	ND(5.0)	ND(0.50)
trans-1,2-Dichloroethene	µg/L	ND(5.0)	ND(0.50)
Trichloroethene	µg/L	61 J-	ND(0.50)
Trichlorofluoromethane (CFC-11)	µg/L	ND(5.0)	ND(0.50)
Trifluorotrichloroethane (CFC-113)	µg/L	ND(50)	ND(5.0)
Vinyl chloride	µg/L	ND(5.0)	ND(0.50)

Table 2

Analytical Results Summary
SGZ Remedy - Process Water Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
June 2025

	Location ID:	**SGZ Effluent Water**	**Field Blank**	**Trip Blank**
	Sample Name:	**PW-060325-TF-04**	**PW-060325-TF-02**	**TB-12619196-060325-TF**
	Sample Date:	**06/03/2025**	**06/03/2025**	**06/03/2025**
		Duplicate		
Parameters	**Unit**			
Volatile Organic Compounds				
1,1,1-Trichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
1,2-Dichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
1,2-Dichloropropane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	ND(10)	ND(10)	ND(10)
Acetone	µg/L	ND(10)	ND(10)	ND(10)
Benzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
Bromodichloromethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
Bromoform	µg/L	ND(2.0)	ND(2.0)	ND(2.0)
Carbon tetrachloride	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
Chlorobenzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
Chloroform (Trichloromethane)	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
Chloromethane (Methyl chloride)	µg/L	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
Dibromochloromethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)

Table 2

Analytical Results Summary
SGZ Remedy - Process Water Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
June 2025

	Location ID:	**SGZ Effluent Water**	**Field Blank**	**Trip Blank**
	Sample Name:	**PW-060325-TF-04**	**PW-060325-TF-02**	**TB-12619196-060325-TF**
	Sample Date:	**06/03/2025**	**06/03/2025**	**06/03/2025**
		Duplicate		
Parameters	**Unit**			
Volatile Organic Compounds				
Dichlorodifluoromethane (CFC-12)	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
Ethylbenzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
m&p-Xylenes	µg/L	ND(1.0)	ND(1.0)	ND(1.0)
Methylene chloride	µg/L	ND(1.0)	ND(1.0)	ND(1.0)
o-Xylene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
Tetrachloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
Toluene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
trans-1,2-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
Trichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
Trichlorofluoromethane (CFC-11)	µg/L	ND(0.50)	ND(0.50)	ND(0.50)
Trifluorotrichloroethane (CFC-113)	µg/L	ND(5.0)	ND(5.0)	ND(5.0)
Vinyl chloride	µg/L	ND(0.50)	ND(0.50)	ND(0.50)

Notes:

J- - Estimated concentration; result may be biased low
ND ( ) - Not detected at the associated reporting limit
SGZ - Shallow Groundwater Zone

Table 3

Analytical Methods
SGZ Remedy - Process Water Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
June 2025

Parameter	Method	Matrix	Holding Time Collection to Analysis (Days)
VOCs	SW-846 8260B	Water	14

Notes:

SGZ - Shallow Groundwater Zone
VOCs - Volatile Organic Compounds

Method Reference:

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition, 1986, with subsequent revisions

Table 4

Qualified Sample Results Due to Outlying MS/MSD Results
SGZ Remedy Process Water Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
June 2025

Parameter	Sample ID	Analyte	MS % Recovery	MSD % Recovery	RPD (percent)	Control Limits % Recovery	Control Limits RPD	Qualified Result		Units
Volatile Organic Compounds	PW-060325-TF-01	Trichloroethene	0	0	NC	70-130	30	61	J-	µg/L

Notes:

MS - Matrix Spike
MSD - Matrix Spike Duplicate
NC - Not Calculated
RPD - Relative Percent Difference
J- - Estimated concentration; result may be biased low
SGZ - Shallow Groundwater Zone

Data Verification Report

July 18, 2025

To	Justin Berkompas; Evan Schaff	**Project No.**	12619196
Copy to	File	**DVR No.**	32
From	Sheri Finn/cs	**Contact No.**	716-205-1977
Project Name	TIAA Superfund Site	**Email**	sheri.finn@ghd.com
Subject	Analytical Results and Verification SGZ Remedy-Process Water Sampling Tucson International Airport Area Superfund Site-Airport Property Tucson, Arizona July 2025		

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

1. Introduction

This document details a reduced validation of analytical results for water samples collected in support of the Shallow Groundwater Zone (SGZ) Remedy at the Tucson International Airport Area Superfund Site for the July 2025 event. Samples were submitted to Turner Laboratories located in Tucson, Arizona. A sample collection and analysis summary is presented in Table 1. The validated analytical results are summarized in Table 2. A summary of the analytical methodology is presented in Table 3.

Standard GHD report deliverables were submitted by the laboratory. The final results and supporting quality assurance/quality control (QA/QC) data were assessed. Evaluation of the data was based on information obtained from the chain of custody form, finished report forms, method blank data, and recovery data from surrogate spikes, laboratory control samples (LCS), matrix spike/matrix spike duplicates (MS/MSD) and field QA/QC samples.

The QA/QC criteria by which these data have been assessed are outlined in the analytical method referenced in Table 3 and applicable guidance from the documents entitled:

i) "Quality Assurance Project Plan", 013711 Report 37, September 2007

ii) "National Functional Guidelines for Organic Superfund Methods Data Review", United States Environmental Protection Agency (USEPA) 540-R-20-005, November 2020

2. Sample Holding Time and Preservation

The sample holding time criterion for the analysis is summarized in Table 3. The sample chain of custody document and analytical report were used to determine sample holding times. All samples were analyzed within the required holding time.

All samples were properly preserved, delivered on ice, and stored by the laboratory at the required temperature (0-6°C).

3. Laboratory Method Blank Analyses

Method blanks are prepared from a purified matrix and analyzed with investigative samples to determine the existence and magnitude of sample contamination introduced during the analytical procedures.

For this study, laboratory method blanks were analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch.

All method blank results were non-detect, indicating that laboratory contamination was not a factor for this investigation.

4. Surrogate Spike Recoveries

In accordance with the method employed, all samples, blanks, and QC samples analyzed for organics are spiked with surrogate compounds prior to sample analysis. Surrogate recoveries provide a means to evaluate the effects of laboratory performance on individual sample matrices.

All samples submitted for volatile organic compound (VOC) determinations were spiked with the appropriate number of surrogate compounds prior to sample analysis.

Surrogate recoveries were assessed against laboratory control limits. All surrogate recoveries met those criteria.

5. Laboratory Control Sample Analyses

LCS are prepared and analyzed as samples to assess the analytical efficiencies of the method employed, independent of sample matrix effects.

For this study, LCS were analyzed at a minimum frequency of 1 per 20 investigative samples. They were also analyzed in duplicate (LCSD) to assess analytical precision.

The LCS contained the compounds specified in the method. All LCS recoveries and relative percent differences (RPD) were within the laboratory control limits, demonstrating acceptable analytical accuracy and precision.

6. Matrix Spike/Matrix Spike Duplicate Analyses

To evaluate the effects of sample matrices on the preparation process, measurement procedures, and accuracy of a particular analysis, samples are spiked with a known concentration of the analyte of concern and analyzed as MS/MSD samples. The relative percent difference (RPD) between the MS and MSD is used to assess analytical precision. If the original sample concentration is significantly greater than the spike concentration, the recovery is not assessed. If only the MS or MSD recovery was outside of control limits, no qualification of the data was performed based on the acceptable recovery of the companion spike and the acceptable RPD.

MS/MSD analysis was performed on sample PW-070125-TF-01 and showed acceptable analytical accuracy and precision with the exception of trichloroethene recoveries. The associated sample result was qualified as estimated (see Table 4).

7. Field QA/QC Samples

The field QA/QC consisted of one trip blank sample, one field blank sample, and one field duplicate sample set.

7.1 Trip Blank Sample Analysis

To evaluate contamination from sample collection, transportation, storage, and analytical activities, one trip blank was submitted to the laboratory for VOC analysis. All results were non-detect for the compounds of interest.

7.2 Field Blank Sample Analysis

To assess ambient conditions at the site, one field blank was submitted for analysis, as identified in Table 1. All results were non-detect for the compounds of interest.

7.3 Field Duplicate Sample Analysis

To assess the analytical and sampling protocol precision, one field duplicate sample set was collected and submitted "blind" to the laboratory, as specified in Table 1. The RPDs associated with the duplicate sample must be less than 50 percent for water samples. If the reported concentration in either the investigative sample or its duplicate is less than five times the reporting limit (RL), the evaluation criterion is one times the RL value.

The field duplicate results were within acceptable agreement, demonstrating acceptable sampling and analytical precision.

8. Analyte Reporting

No positive analyte detections, less than the reporting limit (RL) but greater than the method detection limit (MDL), were reported. Non-detect results were presented as non-detect at the RL in Table 2.

9. Conclusion

Based on the assessment detailed in the foregoing, the data summarized in Table 2 are acceptable with the qualification noted.

Regards,

Sheri Finn
Analyst

Table 1

Sample Collection and Analysis Summary
SGZ Remedy - Process Water Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
July 2025

Sample Identification	Location	Matrix	Collection Date (mm/dd/yyyy)	Collection Time (hr:min)	Analysis/Parameters	Comments
					TCL VOC	
PW-070125-TF-01	SGZ Combined Influent Water	Water	07/01/2025	13:41	X	
PW-070125-TF-03	SGZ Effluent Water	Water	07/01/2025	13:45	X	
PW-070125-TF-04	SGZ Effluent Water	Water	07/01/2025	13:47	X	Field Duplicate of PW-070125-TF-03
PW-070125-TF-02	-	Water	07/01/2025	13:43	X	Field Blank
TB-12619196-070125-TF	-	Water	07/01/2025	00:00	X	Trip Blank

Notes:

TCL - Target Compound List
VOC - Volatile Organic Compounds
SGZ - Shallow Groundwater Zone
"-" - Not applicable

Table 2

Analytical Results Summary
SGZ Remedy - Process Water Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
July 2025

	Location ID:	**SGZ Combined Influent Water**	**SGZ Effluent Water**	**SGZ Effluent Water**
	Sample Name:	**PW-070125-TF-01**	**PW-070125-TF-03**	**PW-070125-TF-04**
	Sample Date:	**07/01/2025**	**07/01/2025**	**07/01/2025**
				Duplicate
Parameters	**Unit**			
Volatile Organic Compounds				
1,1,1-Trichloroethane	µg/L	ND(5.0)	ND(0.50)	ND(0.50)
1,1-Dichloroethane	µg/L	ND(5.0)	ND(0.50)	ND(0.50)
1,1-Dichloroethene	µg/L	ND(5.0)	ND(0.50)	ND(0.50)
1,2-Dichloroethane	µg/L	ND(5.0)	ND(0.50)	ND(0.50)
1,2-Dichloropropane	µg/L	ND(5.0)	ND(0.50)	ND(0.50)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	ND(100)	ND(10)	ND(10)
Acetone	µg/L	ND(100)	ND(10)	ND(10)
Benzene	µg/L	ND(5.0)	ND(0.50)	ND(0.50)
Bromodichloromethane	µg/L	ND(5.0)	ND(0.50)	ND(0.50)
Bromoform	µg/L	ND(20)	ND(2.0)	ND(2.0)
Carbon tetrachloride	µg/L	ND(5.0)	ND(0.50)	ND(0.50)
Chlorobenzene	µg/L	ND(5.0)	ND(0.50)	ND(0.50)
Chloroform (Trichloromethane)	µg/L	14	ND(0.50)	ND(0.50)
Chloromethane (Methyl chloride)	µg/L	ND(10)	ND(1.0)	ND(1.0)

Table 2

Analytical Results Summary
SGZ Remedy - Process Water Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
July 2025

	Location ID:	**SGZ Combined Influent Water**	**SGZ Effluent Water**	**SGZ Effluent Water**
	Sample Name:	**PW-070125-TF-01**	**PW-070125-TF-03**	**PW-070125-TF-04**
	Sample Date:	**07/01/2025**	**07/01/2025**	**07/01/2025**
				Duplicate
Parameters	**Unit**			
Volatile Organic Compounds				
cis-1,2-Dichloroethene	µg/L	ND(5.0)	ND(0.50)	ND(0.50)
Dibromochloromethane	µg/L	ND(5.0)	ND(0.50)	ND(0.50)
Dichlorodifluoromethane (CFC-12)	µg/L	ND(5.0)	ND(0.50)	ND(0.50)
Ethylbenzene	µg/L	ND(5.0)	ND(0.50)	ND(0.50)
m&p-Xylenes	µg/L	ND(10)	ND(1.0)	ND(1.0)
Methylene chloride	µg/L	ND(10)	ND(1.0)	ND(1.0)
o-Xylene	µg/L	ND(5.0)	ND(0.50)	ND(0.50)
Tetrachloroethene	µg/L	ND(5.0)	ND(0.50)	ND(0.50)
Toluene	µg/L	ND(5.0)	ND(0.50)	ND(0.50)
trans-1,2-Dichloroethene	µg/L	ND(5.0)	ND(0.50)	ND(0.50)
Trichloroethene	µg/L	63 J-	ND(0.50)	ND(0.50)
Trichlorofluoromethane (CFC-11)	µg/L	ND(5.0)	ND(0.50)	ND(0.50)
Trifluorotrichloroethane (CFC-113)	µg/L	ND(50)	ND(5.0)	ND(5.0)
Vinyl chloride	µg/L	ND(5.0)	ND(0.50)	ND(0.50)

Table 2

Analytical Results Summary
SGZ Remedy - Process Water Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
July 2025

Location ID:		**Field Blank**	**Trip Blank**
Sample Name:		**PW-070125-TF-02**	**TB-12619196-070125-TF**
Sample Date:		**07/01/2025**	**07/01/2025**
Parameters	**Unit**		
Volatile Organic Compounds			
1,1,1-Trichloroethane	µg/L	ND(0.50)	ND(0.50)
1,1-Dichloroethane	µg/L	ND(0.50)	ND(0.50)
1,1-Dichloroethene	µg/L	ND(0.50)	ND(0.50)
1,2-Dichloroethane	µg/L	ND(0.50)	ND(0.50)
1,2-Dichloropropane	µg/L	ND(0.50)	ND(0.50)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	ND(10)	ND(10)
Acetone	µg/L	ND(10)	ND(10)
Benzene	µg/L	ND(0.50)	ND(0.50)
Bromodichloromethane	µg/L	ND(0.50)	ND(0.50)
Bromoform	µg/L	ND(2.0)	ND(2.0)
Carbon tetrachloride	µg/L	ND(0.50)	ND(0.50)
Chlorobenzene	µg/L	ND(0.50)	ND(0.50)
Chloroform (Trichloromethane)	µg/L	ND(0.50)	ND(0.50)
Chloromethane (Methyl chloride)	µg/L	ND(1.0)	ND(1.0)

Table 2

Analytical Results Summary
SGZ Remedy - Process Water Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
July 2025

Location ID:		**Field Blank**	**Trip Blank**
Sample Name:		**PW-070125-TF-02**	**TB-12619196-070125-TF**
Sample Date:		**07/01/2025**	**07/01/2025**
Parameters	**Unit**		
Volatile Organic Compounds			
cis-1,2-Dichloroethene	µg/L	ND(0.50)	ND(0.50)
Dibromochloromethane	µg/L	ND(0.50)	ND(0.50)
Dichlorodifluoromethane (CFC-12)	µg/L	ND(0.50)	ND(0.50)
Ethylbenzene	µg/L	ND(0.50)	ND(0.50)
m&p-Xylenes	µg/L	ND(1.0)	ND(1.0)
Methylene chloride	µg/L	ND(1.0)	ND(1.0)
o-Xylene	µg/L	ND(0.50)	ND(0.50)
Tetrachloroethene	µg/L	ND(0.50)	ND(0.50)
Toluene	µg/L	ND(0.50)	ND(0.50)
trans-1,2-Dichloroethene	µg/L	ND(0.50)	ND(0.50)
Trichloroethene	µg/L	ND(0.50)	ND(0.50)
Trichlorofluoromethane (CFC-11)	µg/L	ND(0.50)	ND(0.50)
Trifluorotrichloroethane (CFC-113)	µg/L	ND(5.0)	ND(5.0)
Vinyl chloride	µg/L	ND(0.50)	ND(0.50)

Notes:

J- - Estimated concentration;result may be biased low

ND ( ) - Not detected at the associated reporting limit

SGZ - Shallow Groundwater Zone

Table 3

Analytical Methods
SGZ Remedy - Process Water Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
July 2025

Parameter	Method	Matrix	Holding Time Collection to Analysis (Days)
VOCs	SW-846 8260B	Water	14

Notes:

SGZ - Shallow Groundwater Zone
VOCs - Volatile Organic Compounds

Method Reference:

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition, 1986, with subsequent revisions

Table 4

Qualified Sample Results Due to Outlying MS/MSD Results
SGZ Remedy-Process Water Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
July 2025

Parameter	Sample ID	Analyte	MS % Recovery	MSD % Recovery	RPD (percent)	Control Limits % Recovery	Control Limits RPD	Qualified Result	Units
Volatile Organic Compounds	PW-070125-TF-01	Trichloroethene	0	0	NC	70-130	30	63 J-	µg/L

Notes:

MS - Matrix Spike
MSD - Matrix Spike Duplicate
RPD - Relative Percent Difference
J- - Estimated concentration; result may be biased low
NC - Not calculated

Data Verification Report

September 15, 2025
September 17, 2025

To	Justin Berkompas; Evan Schaff	**Project No.**	12619196
Copy to	Rosemary Bier	**DVR No.**	33
From	Sheri Finn/cs	**Contact No.**	716-205-1977
Project Name	TIAA Superfund Site	**Email**	Sheri.finn@ghd.com
Subject	Analytical Results and Verification TI Zone SVE Process Air Sampling Tucson International Airport Area Superfund Site-Airport Property Tucson, Arizona August 2025		

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

1. Introduction

This document details a reduced validation of analytical results for air samples collected in support of the TI Zone SVE process air sampling at the Tucson International Airport Area Superfund Site Airport Property during August 2025. The samples were analyzed by Eurofins Air Toxics LLC located in Folsom, California. A sample collection and analysis summary is presented in Table 1. The validated analytical results are summarized in Table 2. A summary of the analytical methodology is presented in Table 3.

Standard GHD report deliverables were submitted by the laboratory. The final results and supporting quality assurance/quality control (QA/QC) data were assessed. Evaluation of the data was based on information obtained from the chain of custody form, finished report forms, method blank data, and recovery data from surrogate spikes and laboratory control sample/ laboratory control sample duplicates (LCS/LCSD).

The QA/QC criteria by which these data have been assessed are outlined in the analytical method referenced in Table 3 and applicable guidance from the documents entitled:

i) "Quality Assurance Project Plan", 013711 Report 37, September 2007

ii) "National Functional Guidelines for Organic Superfund Methods Data Review", USEPA 540-R-20-005, November 2020

2. Sample Holding Time and Preservation

The sample holding time criterion for the analysis is summarized in Table 3. The sample chain of custody document and analytical reports were used to determine sample holding times. All samples were prepared and analyzed within the required holding time.

All sample canisters were received at the laboratory in good condition. The canisters submitted for volatile organic compounds (VOC) analysis were within the acceptable canister pressure range, indicating the samples were still under vacuum upon receipt. One canister had significant vacuum present upon receipt and the reporting limits are elevated.

3. Laboratory Method Blank Analyses

Method blanks are prepared from a purified matrix and analyzed with investigative samples to determine the existence and magnitude of sample contamination introduced during the analytical procedures.

For this study, laboratory method blanks were analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch.

All method blank results were non-detect, indicating that laboratory contamination was not a factor for this investigation.

4. Surrogate Spike Recoveries

In accordance with the method employed, all samples, blanks, and QC samples analyzed for organics are spiked with surrogate compounds prior to sample analysis. Surrogate recoveries provide a means to evaluate the effects of laboratory performance on individual sample matrices.

All samples submitted for VOC analysis were spiked with the appropriate number of surrogate compounds prior to sample analysis.

Surrogate recoveries were assessed against laboratory control limits. All surrogate recoveries met the laboratory criteria.

5. Laboratory Control Sample Analyses

LCS are prepared and analyzed as samples to assess the analytical efficiencies of the method employed, independent of sample matrix effects.

For this study, LCS were analyzed at a minimum frequency of 1 per 20 investigative samples. LCS were also analyzed in duplicate (LCSD) to assess analytical precision.

The LCS contained all compounds of interest. All LCS recoveries and relative percent differences (RPDs) were within laboratory control limits, demonstrating acceptable analytical accuracy and precision.

6. Analyte Reporting

No positive analyte detections less than the reporting limit (RL) but greater than the method detection limit (MDL) were reported. Non-detect results were presented as non-detect at the RL in Table 2.

7. Conclusion

Based on the assessment detailed in the foregoing, the data summarized in Table 2 are acceptable without qualification.

Regards,

Sheri Finn
Analyst

Table 1

Sample Collection and Analysis Summary
TI Zone SVE Process Air Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
August 2025

Sample Identification	Location	Matrix	Collection Date (mm/dd/yyyy)	Collection Time (hr:min)	Analysis/Parameters VOCs
AE-080725-TF-02	SGZ Carbon Vessel Effluent Air	Air	08/07/2025	15:19	X
AE-080725-TF-04	SVE ECV Effluent Air	Air	08/07/2025	15:27	X
AI-080725-TF-01	SGZ Carbon Vessel Influent Air	Air	08/07/2025	13:55	X
AI-080725-TF-05	SVE-1, Unit 2/3	Air	08/07/2025	14:21	X
AI-080725-TF-06	SVE-2, Unit 2/3	Air	08/07/2025	14:22	X
AI-080725-TF-07	SVE-3, Unit 2/3	Air	08/07/2025	14:23	X
AI-080725-TF-08	SVE-4, Unit 2/3	Air	08/07/2025	14:24	X
AI-080725-TF-03	SVE Combined Influent Air	Air	08/07/2025	14:02	X

Note:

VOCs - Volatile Organic Compounds

Table 2

Analytical Results Summary
TI Zone SVE Process Air Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
August 2025

Location ID:		**SGZ Carbon Vessel Effluent Air**	**SVE ECV Effluent Air**	**SGZ Carbon Vessel Influent Air**	**SVE-1, Unit 2/3**	**SVE-2, Unit 2/3**	**SVE-3, Unit 2/3**	**SVE-4, Unit 2/3**	**SVE Combined Influent Air**
Sample Name:		**AE-080725-TF-02**	**AE-080725-TF-04**	**AI-080725-TF-01**	**AI-080725-TF-05**	**AI-080725-TF-06**	**AI-080725-TF-07**	**AI-080725-TF-08**	**AI-080725-TF-03**
Sample Date:		**08/07/2025**	**08/07/2025**	**08/07/2025**	**08/07/2025**	**08/07/2025**	**08/07/2025**	**08/07/2025**	**08/07/2025**
Parameters	**Unit**								
Volatile Organic Compounds									
1,1,1-Trichloroethane	ppbv	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.6)	ND(1.4)	ND(1.4)	ND(1.2)
1,1,2,2-Tetrachloroethane	ppbv	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.6)	ND(1.4)	ND(1.4)	ND(1.2)
1,1,2-Trichloroethane	ppbv	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.6)	ND(1.4)	ND(1.4)	ND(1.2)
1,1-Dichloroethane	ppbv	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.6)	ND(1.4)	ND(1.4)	ND(1.2)
1,1-Dichloroethene	ppbv	2.6	ND(1.2)	2.8	ND(1.4)	ND(1.6)	ND(1.4)	ND(1.4)	ND(1.2)
1,1-Difluoroethane	ppbv	ND(4.5)	ND(4.9)	ND(5.0)	ND(5.4)	ND(6.5)	ND(5.5)	ND(5.5)	ND(4.7)
1,2,4-Trichlorobenzene	ppbv	ND(4.5)	ND(4.9)	ND(5.0)	ND(5.4)	ND(6.5)	ND(5.5)	ND(5.5)	ND(4.7)
1,2,4-Trimethylbenzene	ppbv	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.6)	ND(1.4)	ND(1.4)	ND(1.2)
1,2-Dibromoethane (Ethylene dibromide)	ppbv	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.6)	ND(1.4)	ND(1.4)	ND(1.2)
1,2-Dichlorobenzene	ppbv	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.6)	ND(1.4)	ND(1.4)	ND(1.2)
1,2-Dichloroethane	ppbv	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.6)	ND(1.4)	ND(1.4)	ND(1.2)
1,2-Dichloropropane	ppbv	ND(1.1)	ND(1.2)	4.3	ND(1.4)	ND(1.6)	ND(1.4)	3.4	ND(1.2)
1,2-Dichlorotetrafluoroethane (CFC 114)	ppbv	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.6)	ND(1.4)	ND(1.4)	ND(1.2)
1,3,5-Trimethylbenzene	ppbv	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.6)	ND(1.4)	ND(1.4)	ND(1.2)
1,3-Butadiene	ppbv	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.6)	ND(1.4)	ND(1.4)	ND(1.2)
1,3-Dichlorobenzene	ppbv	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.6)	ND(1.4)	ND(1.4)	ND(1.2)
1,4-Dichlorobenzene	ppbv	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.6)	ND(1.4)	ND(1.4)	ND(1.2)
2,2,4-Trimethylpentane	ppbv	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.6)	ND(1.4)	ND(1.4)	ND(1.2)
2-Butanone (Methyl ethyl ketone) (MEK)	ppbv	ND(4.5)	ND(4.9)	ND(5.0)	ND(5.4)	ND(6.5)	ND(5.5)	16	6.2
2-Hexanone	ppbv	ND(4.5)	ND(4.9)	ND(5.0)	ND(5.4)	ND(6.5)	ND(5.5)	ND(5.5)	ND(4.7)
2-Phenylbutane (sec-Butylbenzene)	ppbv	ND(4.5)	ND(4.9)	ND(5.0)	ND(5.4)	ND(6.5)	ND(5.5)	ND(5.5)	ND(4.7)
4-Ethyl toluene	ppbv	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.6)	ND(1.4)	ND(1.4)	ND(1.2)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	ppbv	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.6)	ND(1.4)	1.6	ND(1.2)
Acetone	ppbv	ND(11)	15	ND(12)	15	42	43	97	37
Allyl chloride	ppbv	ND(4.5)	ND(4.9)	ND(5.0)	ND(5.4)	ND(6.5)	ND(5.5)	ND(5.5)	ND(4.7)
Benzene	ppbv	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.6)	ND(1.4)	ND(1.4)	ND(1.2)
Benzyl chloride	ppbv	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.6)	ND(1.4)	ND(1.4)	ND(1.2)
Bromodichloromethane	ppbv	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.6)	ND(1.4)	ND(1.4)	ND(1.2)
Bromoform	ppbv	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.6)	ND(1.4)	ND(1.4)	ND(1.2)
Bromomethane (Methyl bromide)	ppbv	ND(11)	ND(12)	ND(12)	ND(14)	ND(16)	ND(14)	ND(14)	ND(12)
Carbon disulfide	ppbv	ND(4.5)	42	ND(5.0)	ND(5.4)	ND(6.5)	ND(5.5)	ND(5.5)	ND(4.7)
Carbon tetrachloride	ppbv	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.6)	1.8	ND(1.4)	ND(1.2)
Chlorobenzene	ppbv	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.6)	ND(1.4)	ND(1.4)	ND(1.2)
Chloroethane	ppbv	ND(4.5)	ND(4.9)	ND(5.0)	ND(5.4)	ND(6.5)	ND(5.5)	ND(5.5)	ND(4.7)
Chloroform (Trichloromethane)	ppbv	48	ND(1.2)	47	ND(1.4)	ND(1.6)	1.5	46	5.4
Chloromethane (Methyl chloride)	ppbv	ND(11)	ND(12)	ND(12)	ND(14)	ND(16)	ND(14)	ND(14)	ND(12)
cis-1,2-Dichloroethene	ppbv	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.6)	ND(1.4)	ND(1.4)	ND(1.2)

Table 2

Analytical Results Summary
TI Zone SVE Process Air Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
August 2025

Location ID:		**SGZ Carbon Vessel Effluent Air**	**SVE ECV Effluent Air**	**SGZ Carbon Vessel Influent Air**	**SVE-1, Unit 2/3**	**SVE-2, Unit 2/3**	**SVE-3, Unit 2/3**	**SVE-4, Unit 2/3**	**SVE Combined Influent Air**
Sample Name:		**AE-080725-TF-02**	**AE-080725-TF-04**	**AI-080725-TF-01**	**AI-080725-TF-05**	**AI-080725-TF-06**	**AI-080725-TF-07**	**AI-080725-TF-08**	**AI-080725-TF-03**
Sample Date:		**08/07/2025**	**08/07/2025**	**08/07/2025**	**08/07/2025**	**08/07/2025**	**08/07/2025**	**08/07/2025**	**08/07/2025**
Parameters	**Unit**								
Volatile Organic Compounds									
cis-1,3-Dichloropropene	ppbv	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.6)	ND(1.4)	ND(1.4)	ND(1.2)
Cyclohexane	ppbv	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.6)	ND(1.4)	ND(1.4)	ND(1.2)
Dibromochloromethane	ppbv	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.6)	ND(1.4)	ND(1.4)	ND(1.2)
Dichlorodifluoromethane (CFC-12)	ppbv	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.6)	ND(1.4)	ND(1.4)	ND(1.2)
Ethyl acetate	ppbv	ND(4.5)	ND(4.9)	ND(5.0)	ND(5.4)	ND(6.5)	ND(5.5)	ND(5.5)	ND(4.7)
Ethylbenzene	ppbv	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.6)	ND(1.4)	ND(1.4)	ND(1.2)
Hexachlorobutadiene	ppbv	ND(4.5)	ND(4.9)	ND(5.0)	ND(5.4)	ND(6.5)	ND(5.5)	ND(5.5)	ND(4.7)
Hexane	ppbv	ND(1.1)	ND(1.2)	1.2	ND(1.4)	ND(1.6)	ND(1.4)	ND(1.4)	ND(1.2)
Isopropyl alcohol	ppbv	4.4 J	ND(4.9)	ND(5.0)	6.6	ND(6.5)	8.0	12	ND(4.7)
Isopropyl benzene	ppbv	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.6)	ND(1.4)	ND(1.4)	ND(1.2)
m&p-Xylenes	ppbv	ND(2.2)	ND(2.5)	ND(2.5)	ND(2.7)	ND(3.2)	ND(2.7)	ND(2.7)	ND(2.3)
Methyl tert butyl ether (MTBE)	ppbv	ND(4.5)	ND(4.9)	ND(5.0)	ND(5.4)	ND(6.5)	ND(5.5)	ND(5.5)	ND(4.7)
Methylene chloride	ppbv	ND(11)	ND(12)	ND(12)	ND(14)	ND(16)	ND(14)	ND(14)	ND(12)
N-Butylbenzene	ppbv	ND(4.5)	ND(4.9)	ND(5.0)	ND(5.4)	ND(6.5)	ND(5.5)	ND(5.5)	ND(4.7)
N-Heptane	ppbv	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.6)	ND(1.4)	ND(1.4)	ND(1.2)
N-Propylbenzene	ppbv	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.6)	ND(1.4)	ND(1.4)	ND(1.2)
Naphthalene	ppbv	ND(2.2)	ND(2.5)	ND(2.5)	ND(2.7)	ND(3.2)	ND(2.7)	ND(2.7)	ND(2.3)
Nonane	ppbv	ND(4.5)	ND(4.9)	ND(5.0)	ND(5.4)	ND(6.5)	ND(5.5)	ND(5.5)	ND(4.7)
o-Xylene	ppbv	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.6)	ND(1.4)	ND(1.4)	ND(1.2)
Octane	ppbv	ND(4.5)	ND(4.9)	ND(5.0)	ND(5.4)	ND(6.5)	ND(5.5)	ND(5.5)	ND(4.7)
Propylene (propene)	ppbv	ND(4.5)	ND(4.9)	ND(5.0)	ND(5.4)	ND(6.5)	ND(5.5)	ND(5.5)	ND(4.7)
Styrene	ppbv	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.6)	ND(1.4)	ND(1.4)	ND(1.2)
tert-Butylbenzene	ppbv	ND(4.5)	ND(4.9)	ND(5.0)	ND(5.4)	ND(6.5)	ND(5.5)	ND(5.5)	ND(4.7)
Tetrachloroethene	ppbv	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.6)	ND(1.4)	ND(1.4)	ND(1.2)
Tetrahydrofuran	ppbv	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.6)	ND(1.4)	1.4	ND(1.2)
Toluene	ppbv	ND(2.2)	ND(2.5)	ND(2.5)	ND(2.7)	ND(3.2)	ND(2.7)	ND(2.7)	ND(2.3)
trans-1,2-Dichloroethene	ppbv	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.6)	ND(1.4)	ND(1.4)	ND(1.2)
trans-1,3-Dichloropropene	ppbv	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.6)	ND(1.4)	ND(1.4)	ND(1.2)
Trichloroethene	ppbv	ND(1.1)	ND(1.2)	240	3.5	ND(1.6)	11	35	8.1
Trichlorofluoromethane (CFC-11)	ppbv	ND(1.1)	ND(1.2)	ND(1.2)	1.4	ND(1.6)	ND(1.4)	ND(1.4)	ND(1.2)
Trifluorotrichloroethane (CFC-113)	ppbv	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.6)	ND(1.4)	ND(1.4)	ND(1.2)
Vinyl acetate	ppbv	ND(4.5)	ND(4.9)	ND(5.0)	ND(5.4)	ND(6.5)	ND(5.5)	ND(5.5)	ND(4.7)
Vinyl chloride	ppbv	ND(1.1)	ND(1.2)	ND(1.2)	ND(1.4)	ND(1.6)	ND(1.4)	ND(1.4)	ND(1.2)

Table 2

Analytical Results Summary
TI Zone SVE Process Air Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
August 2025

Location ID:		SGZ Carbon Vessel Effluent Air	SVE ECV Effluent Air	SGZ Carbon Vessel Influent Air	SVE-1, Unit 2/3	SVE-2, Unit 2/3	SVE-3, Unit 2/3	SVE-4, Unit 2/3	SVE Combined Influent Air
Sample Name:		AE-080725-TF-02	AE-080725-TF-04	AI-080725-TF-01	AI-080725-TF-05	AI-080725-TF-06	AI-080725-TF-07	AI-080725-TF-08	AI-080725-TF-03
Sample Date:		08/07/2025	08/07/2025	08/07/2025	08/07/2025	08/07/2025	08/07/2025	08/07/2025	08/07/2025
Parameters	**Unit**								
Volatile Organic Compounds									
1,1,1-Trichloroethane	µg/m3	ND(6.1)	ND(6.7)	ND(6.8)	ND(7.4)	ND(8.8)	ND(7.5)	ND(7.4)	ND(6.4)
1,1,2,2-Tetrachloroethane	µg/m3	ND(7.6)	ND(8.5)	ND(8.6)	ND(9.3)	ND(11)	ND(9.4)	ND(9.4)	ND(8.0)
1,1,2-Trichloroethane	µg/m3	ND(6.1)	ND(6.7)	ND(6.8)	ND(7.4)	ND(8.8)	ND(7.5)	ND(7.4)	ND(6.4)
1,1-Dichloroethane	µg/m3	ND(4.5)	ND(5.0)	ND(5.0)	ND(5.5)	ND(6.6)	ND(5.5)	ND(5.5)	ND(4.7)
1,1-Dichloroethene	µg/m3	10	ND(4.9)	11	ND(5.4)	ND(6.4)	ND(5.4)	ND(5.4)	ND(4.6)
1,1-Difluoroethane	µg/m3	ND(12)	ND(13)	ND(14)	ND(15)	ND(18)	ND(15)	ND(15)	ND(13)
1,2,4-Trichlorobenzene	µg/m3	ND(33)	ND(37)	ND(37)	ND(40)	ND(48)	ND(41)	ND(40)	ND(35)
1,2,4-Trimethylbenzene	µg/m3	ND(5.5)	ND(6.1)	ND(6.1)	ND(6.7)	ND(8.0)	ND(6.7)	ND(6.7)	ND(5.8)
1,2-Dibromoethane (Ethylene dibromide)	µg/m3	ND(8.6)	ND(9.5)	ND(9.6)	ND(10)	ND(12)	ND(10)	ND(10)	ND(9.0)
1,2-Dichlorobenzene	µg/m3	ND(6.7)	ND(7.4)	ND(7.5)	ND(8.2)	ND(9.7)	ND(8.2)	ND(8.2)	ND(7.0)
1,2-Dichloroethane	µg/m3	ND(4.5)	ND(5.0)	ND(5.0)	ND(5.5)	ND(6.6)	ND(5.5)	ND(5.5)	ND(4.7)
1,2-Dichloropropane	µg/m3	ND(5.2)	ND(5.7)	20	ND(6.3)	ND(7.5)	ND(6.3)	16	ND(5.4)
1,2-Dichlorotetrafluoroethane (CFC 114)	µg/m3	ND(7.8)	ND(8.6)	ND(8.7)	ND(9.5)	ND(11)	ND(9.6)	ND(9.5)	ND(8.2)
1,3,5-Trimethylbenzene	µg/m3	ND(5.5)	ND(6.1)	ND(6.1)	ND(6.7)	ND(8.0)	ND(6.7)	ND(6.7)	ND(5.8)
1,3-Butadiene	µg/m3	ND(2.5)	ND(2.7)	ND(2.8)	ND(3.0)	ND(3.6)	ND(3.0)	ND(3.0)	ND(2.6)
1,3-Dichlorobenzene	µg/m3	ND(6.7)	ND(7.4)	ND(7.5)	ND(8.2)	ND(9.7)	ND(8.2)	ND(8.2)	ND(7.0)
1,4-Dichlorobenzene	µg/m3	ND(6.7)	ND(7.4)	ND(7.5)	ND(8.2)	ND(9.7)	ND(8.2)	ND(8.2)	ND(7.0)
2,2,4-Trimethylpentane	µg/m3	ND(5.2)	ND(5.8)	ND(5.8)	ND(6.4)	ND(7.6)	ND(6.4)	ND(6.4)	ND(5.5)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/m3	ND(13)	ND(14)	ND(15)	ND(16)	ND(19)	ND(16)	48	18
2-Hexanone	µg/m3	ND(18)	ND(20)	ND(20)	ND(22)	ND(26)	ND(22)	ND(22)	ND(19)
2-Phenylbutane (sec-Butylbenzene)	µg/m3	ND(24)	ND(27)	ND(27)	ND(30)	ND(36)	ND(30)	ND(30)	ND(26)
4-Ethyl toluene	µg/m3	ND(5.5)	ND(6.1)	ND(6.1)	ND(6.7)	ND(8.0)	ND(6.7)	ND(6.7)	ND(5.8)
4-Methyl-2-pentanone (Methyl isobutyl ketone) (MIBK)	µg/m3	ND(4.6)	ND(5.0)	ND(5.1)	ND(5.6)	ND(6.6)	ND(5.6)	6.5	ND(4.8)
Acetone	µg/m3	ND(26)	36	ND(30)	35	100	100	230	88
Allyl chloride	µg/m3	ND(14)	ND(15)	ND(16)	ND(17)	ND(20)	ND(17)	ND(17)	ND(15)
Benzene	µg/m3	ND(3.6)	ND(3.9)	ND(4.0)	ND(4.3)	ND(5.2)	ND(4.4)	ND(4.4)	ND(3.7)
Benzyl chloride	µg/m3	ND(5.8)	ND(6.4)	ND(6.5)	ND(7.0)	ND(8.4)	ND(7.1)	ND(7.1)	ND(6.0)
Bromodichloromethane	µg/m3	ND(7.5)	ND(8.3)	ND(8.4)	ND(9.1)	ND(11)	ND(9.2)	ND(9.1)	ND(7.8)
Bromoform	µg/m3	ND(12)	ND(13)	ND(13)	ND(14)	ND(17)	ND(14)	ND(14)	ND(12)
Bromomethane (Methyl bromide)	µg/m3	ND(43)	ND(48)	ND(48)	ND(53)	ND(63)	ND(53)	ND(53)	ND(45)
Carbon disulfide	µg/m3	ND(14)	130	ND(16)	ND(17)	ND(20)	ND(17)	ND(17)	ND(14)
Carbon tetrachloride	µg/m3	ND(7.0)	ND(7.8)	ND(7.9)	ND(8.6)	ND(10)	11	ND(8.6)	ND(7.4)
Chlorobenzene	µg/m3	ND(5.1)	ND(5.7)	ND(5.8)	ND(6.3)	ND(7.4)	ND(6.3)	ND(6.3)	ND(5.4)
Chloroethane	µg/m3	ND(12)	ND(13)	ND(13)	ND(14)	ND(17)	ND(14)	ND(14)	ND(12)
Chloroform (Trichloromethane)	µg/m3	230	ND(6.0)	230	ND(6.6)	ND(7.9)	7.2	220	27
Chloromethane (Methyl chloride)	µg/m3	ND(23)	ND(26)	ND(26)	ND(28)	ND(33)	ND(28)	ND(28)	ND(24)
cis-1,2-Dichloroethene	µg/m3	ND(4.4)	ND(4.9)	ND(5.0)	ND(5.4)	ND(6.4)	ND(5.4)	ND(5.4)	ND(4.6)
cis-1,3-Dichloropropene	µg/m3	ND(5.1)	ND(5.6)	ND(5.7)	ND(6.2)	ND(7.4)	ND(6.2)	ND(6.2)	ND(5.3)
Cyclohexane	µg/m3	ND(3.8)	ND(4.2)	ND(4.3)	ND(4.7)	ND(5.6)	ND(4.7)	ND(4.7)	ND(4.0)

Table 2

Analytical Results Summary
TI Zone SVE Process Air Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
August 2025

Location ID:		SGZ Carbon Vessel Effluent Air	SVE ECV Effluent Air	SGZ Carbon Vessel Influent Air	SVE-1, Unit 2/3	SVE-2, Unit 2/3	SVE-3, Unit 2/3	SVE-4, Unit 2/3	SVE Combined Influent Air
Sample Name:		**AE-080725-TF-02**	**AE-080725-TF-04**	**AI-080725-TF-01**	**AI-080725-TF-05**	**AI-080725-TF-06**	**AI-080725-TF-07**	**AI-080725-TF-08**	**AI-080725-TF-03**
Sample Date:		**08/07/2025**	**08/07/2025**	**08/07/2025**	**08/07/2025**	**08/07/2025**	**08/07/2025**	**08/07/2025**	**08/07/2025**
Parameters	**Unit**								
Dibromochloromethane	µg/m3	ND(9.5)	ND(10)	ND(11)	ND(12)	ND(14)	ND(12)	ND(12)	ND(10)
Dichlorodifluoromethane (CFC-12)	µg/m3	ND(5.5)	ND(6.1)	ND(6.2)	ND(6.7)	ND(8.0)	ND(6.8)	ND(6.8)	ND(5.8)
Ethyl acetate	µg/m3	ND(16)	ND(18)	ND(18)	ND(20)	ND(23)	ND(20)	ND(20)	ND(17)
Ethylbenzene	µg/m3	ND(4.8)	ND(5.4)	ND(5.4)	ND(5.9)	ND(7.0)	ND(5.9)	ND(5.9)	ND(5.1)
Hexachlorobutadiene	µg/m3	ND(48)	ND(53)	ND(53)	ND(58)	ND(69)	ND(58)	ND(58)	ND(50)
Hexane	µg/m3	ND(3.9)	ND(4.4)	4.4	ND(4.8)	ND(5.7)	ND(4.8)	ND(4.8)	ND(4.1)
Isopropyl alcohol	µg/m3	11 J	ND(12)	ND(12)	16	ND(16)	20	29	ND(12)
Isopropyl benzene	µg/m3	ND(5.5)	ND(6.1)	ND(6.1)	ND(6.7)	ND(8.0)	ND(6.7)	ND(6.7)	ND(5.8)
m&p-Xylenes	µg/m3	ND(9.7)	ND(11)	ND(11)	ND(12)	ND(14)	ND(12)	ND(12)	ND(10)
Methyl tert butyl ether (MTBE)	µg/m3	ND(16)	ND(18)	ND(18)	ND(20)	ND(23)	ND(20)	ND(20)	ND(17)
Methylene chloride	µg/m3	ND(39)	ND(43)	ND(43)	ND(47)	ND(56)	ND(48)	ND(47)	ND(41)
N-Butylbenzene	µg/m3	ND(24)	ND(27)	ND(27)	ND(30)	ND(36)	ND(30)	ND(30)	ND(26)
N-Heptane	µg/m3	ND(4.6)	ND(5.1)	ND(5.1)	ND(5.6)	ND(6.6)	ND(5.6)	ND(5.6)	ND(4.8)
N-Propylbenzene	µg/m3	ND(5.5)	ND(6.1)	ND(6.1)	ND(6.7)	ND(8.0)	ND(6.7)	ND(6.7)	ND(5.8)
Naphthalene	µg/m3	ND(12)	ND(13)	ND(13)	ND(14)	ND(17)	ND(14)	ND(14)	ND(12)
Nonane	µg/m3	ND(23)	ND(26)	ND(26)	ND(28)	ND(34)	ND(29)	ND(29)	ND(24)
o-Xylene	µg/m3	ND(4.8)	ND(5.4)	ND(5.4)	ND(5.9)	ND(7.0)	ND(5.9)	ND(5.9)	ND(5.1)
Octane	µg/m3	ND(21)	ND(23)	ND(23)	ND(25)	ND(30)	ND(26)	ND(26)	ND(22)
Propylene (propene)	µg/m3	ND(7.7)	ND(8.5)	ND(8.6)	ND(9.4)	ND(11)	ND(9.4)	ND(9.4)	ND(8.0)
Styrene	µg/m3	ND(4.7)	ND(5.3)	ND(5.3)	ND(5.8)	ND(6.9)	ND(5.8)	ND(5.8)	ND(5.0)
tert-Butylbenzene	µg/m3	ND(24)	ND(27)	ND(27)	ND(30)	ND(36)	ND(30)	ND(30)	ND(26)
Tetrachloroethene	µg/m3	ND(7.6)	ND(8.4)	ND(8.5)	ND(9.2)	ND(11)	ND(9.3)	ND(9.2)	ND(7.9)
Tetrahydrofuran	µg/m3	ND(3.3)	ND(3.6)	ND(3.7)	ND(4.0)	ND(4.8)	ND(4.0)	4.2	ND(3.4)
Toluene	µg/m3	ND(8.4)	ND(9.3)	ND(9.4)	ND(10)	ND(12)	ND(10)	ND(10)	ND(8.8)
trans-1,2-Dichloroethene	µg/m3	ND(4.4)	ND(4.9)	ND(5.0)	ND(5.4)	ND(6.4)	ND(5.4)	ND(5.4)	ND(4.6)
trans-1,3-Dichloropropene	µg/m3	ND(5.1)	ND(5.6)	ND(5.7)	ND(6.2)	ND(7.4)	ND(6.2)	ND(6.2)	ND(5.3)
Trichloroethene	µg/m3	ND(6.0)	ND(6.6)	1300	19	ND(8.7)	61	190	43
Trichlorofluoromethane (CFC-11)	µg/m3	ND(6.3)	ND(6.9)	ND(7.0)	7.7	ND(9.1)	ND(7.7)	ND(7.7)	ND(6.6)
Trifluorotrichloroethane (CFC-113)	µg/m3	ND(8.5)	ND(9.5)	ND(9.6)	ND(10)	ND(12)	ND(10)	ND(10)	ND(9.0)
Vinyl acetate	µg/m3	ND(16)	ND(17)	ND(18)	ND(19)	ND(23)	ND(19)	ND(19)	ND(16)
Vinyl chloride	µg/m3	ND(2.8)	ND(3.2)	ND(3.2)	ND(3.5)	ND(4.1)	ND(3.5)	ND(3.5)	ND(3.0)

Note:

ND ( ) - Not detected at the associated reporting limit

Table 3

Analytical Method
TI Zone SVE Process Air Sampling
Tucson International Airport Area Superfund Site - Airport Property
Tucson, Arizona
August 2025

Parameter	Method	Matrix
Volatile Organic Compounds (VOCs)	TO-15	Air

Method Reference:

TO-15 - "Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air", EPA-625/R-96/010b, January 1999

Data Verification Report

September 30, 2025

To	Justin Berkompas; Evan Schaff	**Project No.**	12619196
Copy to	File	**DVR No.**	34
From	Sheri Finn/cs	**Contact No.**	716-205-1977
Project Name	TIAA Superfund Site	**Email**	sheri.finn@ghd.com
Subject	Analytical Results and Verification SGZ Remedy-Process Water Sampling Tucson International Airport Area Superfund Site-Airport Property Tucson, Arizona August and September 2025		

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

1. Introduction

This document details a reduced validation of analytical results for water samples collected in support of the Shallow Groundwater Zone (SGZ) Remedy at the Tucson International Airport Area Superfund Site for the August and September 2025 events. Samples were submitted to Turner Laboratories located in Tucson, Arizona. A sample collection and analysis summary is presented in Table 1. The validated analytical results are summarized in Table 2. A summary of the analytical methodology is presented in Table 3.

Standard GHD report deliverables were submitted by the laboratory. The final results and supporting quality assurance/quality control (QA/QC) data were assessed. Evaluation of the data was based on information obtained from the chain of custody form, finished report forms, method blank data, and recovery data from surrogate spikes, laboratory control samples (LCS), matrix spike/matrix spike duplicates (MS/MSD) and field QA/QC samples.

The QA/QC criteria by which these data have been assessed are outlined in the analytical method referenced in Table 3 and applicable guidance from the documents entitled:

i) "Quality Assurance Project Plan", 013711 Report 37, September 2007

ii) "National Functional Guidelines for Organic Superfund Methods Data Review", United States Environmental Protection Agency (USEPA) 540-R-20-005, November 2020

2. Sample Holding Time and Preservation

The sample holding time criterion for the analysis is summarized in Table 3. The sample chain of custody document and analytical report were used to determine sample holding times. All samples were analyzed within the required holding time.

All samples were properly preserved, delivered on ice, and stored by the laboratory at the required temperature (0-6°C).

3. Laboratory Method Blank Analyses

Method blanks are prepared from a purified matrix and analyzed with investigative samples to determine the existence and magnitude of sample contamination introduced during the analytical procedures.

For this study, laboratory method blanks were analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch.

All method blank results were non-detect, indicating that laboratory contamination was not a factor for this investigation.

4. Surrogate Spike Recoveries

In accordance with the method employed, all samples, blanks, and QC samples analyzed for organics are spiked with surrogate compounds prior to sample analysis. Surrogate recoveries provide a means to evaluate the effects of laboratory performance on individual sample matrices.

All samples submitted for volatile organic compound (VOC) determinations were spiked with the appropriate number of surrogate compounds prior to sample analysis.

Surrogate recoveries were assessed against laboratory control limits. All surrogate recoveries met those criteria.

5. Laboratory Control Sample Analyses

LCS are prepared and analyzed as samples to assess the analytical efficiencies of the method employed, independent of sample matrix effects.

For this study, LCS were analyzed at a minimum frequency of 1 per 20 investigative samples. They were also analyzed in duplicate (LCSD) to assess analytical precision.

The LCS contained the compounds specified in the method. All LCS recoveries and relative percent differences (RPD) were within the laboratory control limits, demonstrating acceptable analytical accuracy and precision.

6. Matrix Spike/Matrix Spike Duplicate Analyses

To evaluate the effects of sample matrices on the preparation process, measurement procedures, and accuracy of a particular analysis, samples are spiked with a known concentration of the analyte of concern and analyzed as MS/MSD samples. The relative percent difference (RPD) between the MS and MSD is used to assess analytical precision. If the original sample concentration is significantly greater than the spike concentration, the recovery is not assessed. If only the MS or MSD recovery was outside of control limits, no qualification of the data was performed based on the acceptable recovery of the companion spike and the acceptable RPD.

MS/MSD analyses were performed on samples PW-080725-TF-01,PW-080725-TF-10 and GW-090825-TF-01 and showed acceptable analytical accuracy and precision.

7. Field QA/QC Samples

The field QA/QC consisted of two trip blank samples, two field blank samples, and two field duplicate sample sets.

7.1 Trip Blank Sample Analysis

To evaluate contamination from sample collection, transportation, storage, and analytical activities, two trip blanks were submitted to the laboratory for VOC analysis. All results were non-detect for the compounds of interest.

7.2 Field Blank Sample Analysis

To assess ambient conditions at the site, two field blanks were submitted for analysis, as identified in Table 1. All results were non-detect for the compounds of interest except for carbon tetrachloride in sample GW-080725-TF-12. The associated sample results were non-detect and no qualification of data was necessary.

7.3 Field Duplicate Sample Analysis

To assess the analytical and sampling protocol precision, two field duplicate sample sets were collected and submitted "blind" to the laboratory, as specified in Table 1. The RPDs associated with these duplicate samples must be less than 50 percent for water samples. If the reported concentration in either the investigative sample or its duplicate is less than five times the reporting limit (RL), the evaluation criterion is one times the RL value.

The field duplicate results were within acceptable agreement, demonstrating acceptable sampling and analytical precision.

8. Analyte Reporting

No positive analyte detections, less than the reporting limit (RL) but greater than the method detection limit (MDL), were reported. Non-detect results were presented as non-detect at the RL in Table 2.

9. Conclusion

Based on the assessment detailed in the foregoing, the data summarized in Table 2 are acceptable without qualification.

Regards,

Sheri Finn
Analyst

Table 1

Sample Collection and Analysis Summary
SGZ Remedy - Process Water Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
August and September 2025

Sample Identification	Location	Matrix	Collection Date (mm/dd/yyyy)	Collection Time (hr:min)	Analysis/Parameters	Comments
					TCL VOC	
GW-080725-TF-13	CRA-5	Water	08/07/2025	11:04	X	
GW-080725-TF-11	DP-1	Water	08/07/2025	10:58	X	
GW-080725-TF-06	EW-1	Water	08/07/2025	16:07	X	
GW-080725-TF-07	EW-1	Water	08/07/2025	16:09	X	Field Duplicate of GW-080725-TF-06
GW-080725-TF-08	EW-2R	Water	08/07/2025	16:11	X	
GW-080725-TF-09	EW-4	Water	08/07/2025	16:26	X	
GW-080725-TF-10	S-38	Water	08/07/2025	16:24	X	MS/MSD
PW-080725-TF-03	SGZ Air Stripper Effluent Water	Water	08/07/2025	10:06	X	
PW-080725-TF-01	SGZ Combined Influent Water	Water	08/07/2025	10:02	X	MS/MSD
PW-080725-TF-04	SGZ Effluent Water	Water	08/07/2025	10:08	X	
PW-080725-TF-05	SGZ Effluent Water	Water	08/07/2025	10:10	X	Field Duplicate of PW-080725-TF-04
GW-080725-TF-12	-	Water	08/07/2025	11:00	X	Field Blank
PW-080725-TF-02	-	Water	08/07/2025	10:04	X	Field Blank
TB-12619196-080725-TF	-	Water	08/07/2025	00:00	X	Trip Blank
GW-090825-TF-01	CRA-5	Water	09/08/2025	16:25:00	X	MS/MSD
TB-12619196-090825-TF	-	Water	09/08/2025	00:00:00	X	Trip Blank

Notes:

TCL - Target Compound List
VOC - Volatile Organic Compounds
SGZ - Shallow Groundwater Zone
MS/MSD - Matrix Spike/Matrix Spike Duplicate
"-" - Not applicable

Table 2

Analytical Results Summary
SGZ Remedy - Process Water Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
August and September 2025

	Location ID:	**CRA-5**	**DP-1**	**EW-1**	**EW-1**
	Sample Name:	**GW-080725-TF-13**	**GW-080725-TF-11**	**GW-080725-TF-06**	**GW-080725-TF-07**
	Sample Date:	**08/07/2025**	**08/07/2025**	**08/07/2025**	**08/07/2025**
					Duplicate
Parameters	**Unit**				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)
1,1-Dichloroethane	µg/L	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)
1,1-Dichloroethene	µg/L	6.9	ND(2.5)	ND(2.5)	ND(2.5)
1,2-Dichloroethane	µg/L	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)
1,2-Dichloropropane	µg/L	ND(2.5)	4.1	ND(2.5)	ND(2.5)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	ND(50)	ND(50)	ND(50)	ND(50)
Acetone	µg/L	ND(50)	ND(50)	ND(50)	ND(50)
Benzene	µg/L	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)
Bromodichloromethane	µg/L	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)
Bromoform	µg/L	ND(10)	ND(10)	ND(10)	ND(10)
Carbon tetrachloride	µg/L	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)
Chlorobenzene	µg/L	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)
Chloroform (Trichloromethane)	µg/L	ND(2.5)	9.0	3.1	3.4

Table 2

Analytical Results Summary
SGZ Remedy - Process Water Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
August and September 2025

	Location ID:	**CRA-5**	**DP-1**	**EW-1**	**EW-1**
	Sample Name:	**GW-080725-TF-13**	**GW-080725-TF-11**	**GW-080725-TF-06**	**GW-080725-TF-07**
	Sample Date:	**08/07/2025**	**08/07/2025**	**08/07/2025**	**08/07/2025**
					Duplicate
Parameters	**Unit**				
Chloromethane (Methyl chloride)	µg/L	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
cis-1,2-Dichloroethene	µg/L	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)
Dibromochloromethane	µg/L	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)
Dichlorodifluoromethane (CFC-12)	µg/L	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)
Ethylbenzene	µg/L	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)
m&p-Xylenes	µg/L	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Methylene chloride	µg/L	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
o-Xylene	µg/L	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)
Tetrachloroethene	µg/L	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)
Toluene	µg/L	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)
trans-1,2-Dichloroethene	µg/L	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)
Trichloroethene	µg/L	43	410	63	67
Trichlorofluoromethane (CFC-11)	µg/L	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)
Trifluorotrichloroethane (CFC-113)	µg/L	ND(25)	ND(25)	ND(25)	ND(25)
Vinyl chloride	µg/L	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)

Table 2

Analytical Results Summary
SGZ Remedy - Process Water Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
August and September 2025

	Location ID:	**EW-2R**	**EW-4**	**S-38**	**SGZ Air Stripper Effluent Water**
	Sample Name:	**GW-080725-TF-08**	**GW-080725-TF-09**	**GW-080725-TF-10**	**PW-080725-TF-03**
	Sample Date:	**08/07/2025**	**08/07/2025**	**08/07/2025**	**08/07/2025**
Parameters	**Unit**				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)
1,1-Dichloroethane	µg/L	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)
1,1-Dichloroethene	µg/L	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)
1,2-Dichloroethane	µg/L	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)
1,2-Dichloropropane	µg/L	3.4	ND(2.5)	ND(2.5)	ND(0.50)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	ND(50)	ND(50)	ND(50)	ND(10)
Acetone	µg/L	ND(50)	ND(50)	ND(50)	ND(10)
Benzene	µg/L	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)
Bromodichloromethane	µg/L	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)
Bromoform	µg/L	ND(10)	ND(10)	ND(10)	ND(2.0)
Carbon tetrachloride	µg/L	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)
Chlorobenzene	µg/L	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)
Chloroform (Trichloromethane)	µg/L	23	ND(2.5)	16	ND(0.50)

Table 2

Analytical Results Summary
SGZ Remedy - Process Water Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
August and September 2025

	Location ID:	**EW-2R**	**EW-4**	**S-38**	**SGZ Air Stripper Effluent Water**
	Sample Name:	**GW-080725-TF-08**	**GW-080725-TF-09**	**GW-080725-TF-10**	**PW-080725-TF-03**
	Sample Date:	**08/07/2025**	**08/07/2025**	**08/07/2025**	**08/07/2025**
Parameters	**Unit**				
Chloromethane (Methyl chloride)	µg/L	ND(5.0)	ND(5.0)	ND(5.0)	ND(1.0)
cis-1,2-Dichloroethene	µg/L	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)
Dibromochloromethane	µg/L	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)
Dichlorodifluoromethane (CFC-12)	µg/L	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)
Ethylbenzene	µg/L	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)
m&p-Xylenes	µg/L	ND(5.0)	ND(5.0)	ND(5.0)	ND(1.0)
Methylene chloride	µg/L	ND(5.0)	ND(5.0)	ND(5.0)	ND(1.0)
o-Xylene	µg/L	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)
Tetrachloroethene	µg/L	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)
Toluene	µg/L	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)
trans-1,2-Dichloroethene	µg/L	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)
Trichloroethene	µg/L	43	5.7	27	ND(0.50)
Trichlorofluoromethane (CFC-11)	µg/L	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)
Trifluorotrichloroethane (CFC-113)	µg/L	ND(25)	ND(25)	ND(25)	ND(5.0)
Vinyl chloride	µg/L	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)

Table 2

Analytical Results Summary
SGZ Remedy - Process Water Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
August and September 2025

	Location ID:	**SGZ Combined Influent Water**	**SGZ Effluent Water**	**SGZ Effluent Water**
	Sample Name:	**PW-080725-TF-01**	**PW-080725-TF-04**	**PW-080725-TF-05**
	Sample Date:	**08/07/2025**	**08/07/2025**	**08/07/2025**
				Duplicate
Parameters	**Unit**			
Volatile Organic Compounds				
1,1,1-Trichloroethane	µg/L	ND(2.5)	ND(0.50)	ND(0.50)
1,1-Dichloroethane	µg/L	ND(2.5)	ND(0.50)	ND(0.50)
1,1-Dichloroethene	µg/L	ND(2.5)	ND(0.50)	ND(0.50)
1,2-Dichloroethane	µg/L	ND(2.5)	ND(0.50)	ND(0.50)
1,2-Dichloropropane	µg/L	ND(2.5)	ND(0.50)	ND(0.50)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	ND(50)	ND(10)	ND(10)
Acetone	µg/L	ND(50)	ND(10)	ND(10)
Benzene	µg/L	ND(2.5)	ND(0.50)	ND(0.50)
Bromodichloromethane	µg/L	ND(2.5)	ND(0.50)	ND(0.50)
Bromoform	µg/L	ND(10)	ND(2.0)	ND(2.0)
Carbon tetrachloride	µg/L	ND(2.5)	ND(0.50)	ND(0.50)
Chlorobenzene	µg/L	ND(2.5)	ND(0.50)	ND(0.50)
Chloroform (Trichloromethane)	µg/L	10	ND(0.50)	ND(0.50)

Table 2

Analytical Results Summary
SGZ Remedy - Process Water Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
August and September 2025

	Location ID:	**SGZ Combined Influent Water**	**SGZ Effluent Water**	**SGZ Effluent Water**
	Sample Name:	**PW-080725-TF-01**	**PW-080725-TF-04**	**PW-080725-TF-05**
	Sample Date:	**08/07/2025**	**08/07/2025**	**08/07/2025**
				Duplicate
Parameters	**Unit**			
Chloromethane (Methyl chloride)	µg/L	ND(5.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	µg/L	ND(2.5)	ND(0.50)	ND(0.50)
Dibromochloromethane	µg/L	ND(2.5)	ND(0.50)	ND(0.50)
Dichlorodifluoromethane (CFC-12)	µg/L	ND(2.5)	ND(0.50)	ND(0.50)
Ethylbenzene	µg/L	ND(2.5)	ND(0.50)	ND(0.50)
m&p-Xylenes	µg/L	ND(5.0)	ND(1.0)	ND(1.0)
Methylene chloride	µg/L	ND(5.0)	ND(1.0)	ND(1.0)
o-Xylene	µg/L	ND(2.5)	ND(0.50)	ND(0.50)
Tetrachloroethene	µg/L	ND(2.5)	ND(0.50)	ND(0.50)
Toluene	µg/L	ND(2.5)	ND(0.50)	ND(0.50)
trans-1,2-Dichloroethene	µg/L	ND(2.5)	ND(0.50)	ND(0.50)
Trichloroethene	µg/L	57	ND(0.50)	ND(0.50)
Trichlorofluoromethane (CFC-11)	µg/L	ND(2.5)	ND(0.50)	ND(0.50)
Trifluorotrichloroethane (CFC-113)	µg/L	ND(25)	ND(5.0)	ND(5.0)
Vinyl chloride	µg/L	ND(2.5)	ND(0.50)	ND(0.50)

Table 2

Analytical Results Summary
SGZ Remedy - Process Water Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
August and September 2025

	Location ID:	**Field Blank**	**Field Blank**	**Trip Blank**	**CRA-5**	**Trip Blank**
	Sample Name:	**GW-080725-TF-12**	**PW-080725-TF-02**	**TB-12619196-080725-TF**	**GW-090825-TF-01**	**TB-12619196-090825-TF**
	Sample Date:	**08/07/2025**	**08/07/2025**	**08/07/2025**	**09/08/2025**	**09/08/2025**
Parameters	**Unit**					
Volatile Organic Compounds						
1,1,1-Trichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	3.8	ND(0.50)
1,2-Dichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,2-Dichloropropane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
Acetone	µg/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
Benzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Bromodichloromethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Bromoform	µg/L	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
Carbon tetrachloride	µg/L	0.74	ND(0.50)	ND(0.50)	1.3	ND(0.50)
Chlorobenzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Chloroform (Trichloromethane)	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	0.84	ND(0.50)

Table 2

Analytical Results Summary
SGZ Remedy - Process Water Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
August and September 2025

	Location ID:	**Field Blank**	**Field Blank**	**Trip Blank**	**CRA-5**	**Trip Blank**
	Sample Name:	**GW-080725-TF-12**	**PW-080725-TF-02**	**TB-12619196-080725-TF**	**GW-090825-TF-01**	**TB-12619196-090825-TF**
	Sample Date:	**08/07/2025**	**08/07/2025**	**08/07/2025**	**09/08/2025**	**09/08/2025**
Parameters	**Unit**					
Chloromethane (Methyl chloride)	µg/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Dibromochloromethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Dichlorodifluoromethane (CFC-12)	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Ethylbenzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
m&p-Xylenes	µg/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Methylene chloride	µg/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
o-Xylene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Tetrachloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Toluene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
trans-1,2-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	51	ND(0.50)
Trichlorofluoromethane (CFC-11)	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trifluorotrichloroethane (CFC-113)	µg/L	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Vinyl chloride	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

Notes:

ND ( ) - Not detected at the associated reporting limit
SGZ - Shallow Bedrock Zone

Table 3

Analytical Methods
SGZ Remedy - Process Water Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
August and September 2025

Parameter	Method	Matrix	Holding Time Collection to Analysis (Days)
VOCs	SW-846 8260B	Water	14

Notes:

SGZ - Shallow Groundwater Zone
VOCs - Volatile Organic Compounds

Method Reference:

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition, 1986, with subsequent revisions

Data Verification Report

September 25, 2025

To	Justin Berkompas; Evan Schaff	**Project No.**	12619196
Copy to	File	**DVR No.**	35
From	Sheri Finn/cs	**Contact No.**	716-205-1977
Project Name	TIAA Superfund Site	**Email**	sheri.finn@ghd.com
Subject	Analytical Results and Reduced Validation S17 WER3-Semiannual Groundwater Sampling Tucson International Airport Area Superfund Site-Airport Property Tucson, Arizona August 2025		

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

1. Introduction

This document details a reduced validation of analytical results for water samples collected in support of the S17 WER3 sampling at the Tucson International Airport Area Superfund Site for the August 2025 event. Samples were submitted to Turner Laboratories located in Tucson, Arizona. A sample collection and analysis summary is presented in Table 1. The validated analytical results are summarized in Table 2. A summary of the analytical methodology is presented in Table 3.

Standard GHD report deliverables were submitted by the laboratory. The final results and supporting quality assurance/quality control (QA/QC) data were assessed. Evaluation of the data was based on information obtained from the chain of custody form, finished report forms, method blank data, and recovery data from surrogate spikes, laboratory control samples (LCS), matrix spike/matrix spike duplicates (MS/MSD) and field QA/QC samples.

The QA/QC criteria by which these data have been assessed are outlined in the analytical method referenced in Table 3 and applicable guidance from the documents entitled:

i) "Quality Assurance Project Plan", 013711 Report 37, September 2007

ii) "National Functional Guidelines for Organic Superfund Methods Data Review", United States Environmental Protection Agency (USEPA) 540-R-20-005, November 2020

2. Sample Holding Time and Preservation

The sample holding time criterion for the analysis is summarized in Table 3. The sample chain of custody document sand analytical reports were used to determine sample holding times. All samples were analyzed within the required holding time.

All samples were properly preserved, delivered on ice, and stored by the laboratory at the required temperature (0-6°C).

3. Laboratory Method Blank Analyses

Method blanks are prepared from a purified matrix and analyzed with investigative samples to determine the existence and magnitude of sample contamination introduced during the analytical procedures.

For this study, laboratory method blanks were analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch.

All method blank results were non-detect, indicating that laboratory contamination was not a factor for this investigation.

4. Surrogate Spike Recoveries

In accordance with the method employed, all samples, blanks, and QC samples analyzed for organics are spiked with surrogate compounds prior to sample analysis. Surrogate recoveries provide a means to evaluate the effects of laboratory performance on individual sample matrices.

All samples submitted for volatile organic compound (VOC) determinations were spiked with the appropriate number of surrogate compounds prior to sample analysis.

Surrogate recoveries were assessed against laboratory control limits. All surrogate recoveries met those criteria.

5. Laboratory Control Sample Analyses

LCS are prepared and analyzed as samples to assess the analytical efficiencies of the method employed, independent of sample matrix effects.

For this study, LCS were analyzed at a minimum frequency of 1 per 20 investigative samples. They were also analyzed in duplicate (LCSD) to assess analytical precision.

The LCS contained the compounds specified in the method. All LCS recoveries and relative percent differences (RPD) were within the laboratory control limits, demonstrating acceptable analytical accuracy and precision.

6. Matrix Spike/Matrix Spike Duplicate Analyses

To evaluate the effects of sample matrices on the preparation process, measurement procedures, and accuracy of a particular analysis, samples are spiked with a known concentration of the analytes specified in the method and analyzed as MS/MSD samples. The relative percent difference (RPD) between the MS and MSD is used to assess analytical precision. If the original sample concentration is significantly greater than the spike concentration, the recovery is not assessed. If only the MS or MSD recovery was outside of control limits, no qualification of the data was performed based on the acceptable recovery of the companion spike and the acceptable RPD.

MS/MSD analyses were performed on samples GW-080725-EH-89, GW-081425-EH-103 and GW-081525-EH-109. The recoveries were low for sample GW-080725-EH-89 for trichloroethene. The associated sample result was qualified as estimated (see Table 4).

7. Field QA/QC Samples

The field QA/QC consisted of three trip blank samples, one equipment (rinse) blanks and two field duplicate sample sets.

7.1 Trip Blank Sample Analysis

To evaluate contamination from sample collection, transportation, storage, and analytical activities, three trip blank samples were submitted to the laboratory for VOC analysis. All results were non-detect for the compounds of interest.

7.2 Rinse (Equipment) Blank Sample Analysis

To assess field decontamination procedures and cleanliness of sample containers, one rinse (equipment) blank was submitted for analysis, as identified in Table 1. All results were non-detect for the analytes of interest.

7.3 Field (Ambient) Blank Sample Analysis

To assess ambient conditions at the site, three field blanks were submitted for analysis, as identified in Table 1. All results were non-detect for the analytes of interest.

7.4 Field Duplicate Sample Analysis

To assess the analytical and sampling protocol precision, two field duplicate sample sets were collected and submitted "blind" to the laboratory, as specified in Table 1. The RPDs associated with these duplicate samples must be less than 50 percent for water samples. If the reported concentration in either the investigative sample or its duplicate is less than five times the reporting limit (RL), the evaluation criterion is one times the RL value.

The field duplicate results were within acceptable agreement, demonstrating acceptable sampling and analytical precision.

8. Analyte Reporting

No positive analyte detections less than the reporting limit (RL) but greater than the method detection limit (MDL) were reported. Non-detect results were presented as non-detect at the RL in Table 2.

9. Conclusion

Based on the assessment detailed in the foregoing, the data summarized in Table 2 are acceptable with the qualification noted.

Regards,

Sheri Finn
Analyst

Table 1

Sample Collection and Analysis Summary
S17 WER3 Semiannual Groundwater Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
August 2025

Sample Delivery Group	Sample Identification	Location	Matrix	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Analysis/Parameters: TCL VOC	Comments
25H0249	GW-080725-EH-85	CRA-18	Water	08/07/2025	08:05	X	
	GW-080725-EH-86	MWR-2	Water	08/07/2025	09:15	X	
	GW-080725-EH-89	S-17	Water	08/07/2025	15:00	X	
	GW-080725-EH-87	CRA-22D	Water	08/07/2025	11:05	X	
	GW-080725-EH-88	CRA-22S	Water	08/07/2025	12:05	X	
	GW-080725-EH-90	-	Water	08/07/2025	15:10	X	Field Blank
	GW-080725-EH-TB	-	Water	08/07/2025	08:05	X	Trip Blank
25H0416	GW-081325-EH-EB1	-	Water	08/13/2025	15:05	X	Equipment Blank
	GW-081425-EH-101	S-35	Water	08/14/2025	08:55	X	
	GW-081425-EH-102	S-35	Water	08/14/2025	08:57	X	Field Duplicate of GW-081425-EH-102
	GW-081325-EH-99	EW-3	Water	08/13/2025	14:15	X	
	GW-081425-EH-103	CRA-38D	Water	08/14/2025	10:35	X	
	GW-081425-EH-104	CRA-38S	Water	08/14/2025	12:05	X	
	GW-081425-EH-105	CRA-38S	Water	08/14/2025	12:07	X	Field Duplicate of GW-081425-EH-105
25H0461	GW-081825-EH-113	CRA-39D	Water	08/18/2025	10:45	X	
	GW-081825-EH-114	CRA-39S	Water	08/18/2025	11:55	X	
	GW-081525-EH-106	CRA-61D	Water	08/15/2025	08:25	X	
	GW-081525-EH-108	CRA-61S	Water	08/15/2025	09:45	X	
	GW-081525-EH-109	CRA-62D	Water	08/15/2025	11:45	X	
	GW-081525-EH-110	CRA-62S	Water	08/15/2025	12:15	X	
	GW-081825-EH-111	CRA-21D	Water	08/18/2025	08:15	X	
	GW-081825-EH-112	CRA-21S	Water	08/18/2025	09:15	X	
	GW-081525-EH-107	-	Water	08/15/2025	08:35	X	Field Blank
	GW-081525-EH-TB	-	Water	08/15/2025	08:25	X	Trip Blank

Table 1

Sample Collection and Analysis Summary
S17 WER3 Semiannual Groundwater Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
August 2025

Sample Delivery Group	Sample Identification	Location	Matrix	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Analysis/Parameters: TCL VOC	Comments
25H0198	GW-080625-EH-84	S-30	Water	08/06/2025	13:35	X	
	GW-080625-EH-82	S-41	Water	08/06/2025	12:15	X	
	GW-080625-EH-83	-	Water	08/06/2025	12:25	X	Field Blank
	GW-080625-EH-TB	-	Water	08/06/2025	12:15	X	Trip Blank

Notes:

TCL - Target Compound List
VOC - Volatile Organic Compounds
"-" - Not applicable

Table 2

Analytical Results Summary
S17 WER3 Semiannual Groundwater Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
August 2025

Location ID:		**CRA-18**	**CRA-21D**	**CRA-21S**	**CRA-22D**	**CRA-22S**	**CRA-38D**	**CRA-38S**	**CRA-38S**	**CRA-39D**
Sample Name:		**GW-080725-EH-85**	**GW-081825-EH-111**	**GW-081825-EH-112**	**GW-080725-EH-87**	**GW-080725-EH-88**	**GW-081425-EH-103**	**GW-081425-EH-104**	**GW-081425-EH-105**	**GW-081825-EH-113**
Sample Date:		**08/07/2025**	**08/18/2025**	**08/18/2025**	**08/07/2025**	**08/07/2025**	**08/14/2025**	**08/14/2025**	**08/14/2025**	**08/18/2025**
									Duplicate	
Parameters	**Unit**									
Volatile Organic Compounds										
1,1,1-Trichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,2-Dichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,2-Dichloropropane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
Acetone	µg/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
Benzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Bromodichloromethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Bromoform	µg/L	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
Carbon tetrachloride	µg/L	7.8	ND(0.50)	1.8	ND(0.50)	6.6	ND(0.50)	1.8	1.8	ND(0.50)
Chlorobenzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Chloroform (Trichloromethane)	µg/L	ND(0.50)	ND(0.50)	0.72	ND(0.50)	0.57	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Chloromethane (Methyl chloride)	µg/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Dibromochloromethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Dichlorodifluoromethane (CFC-12)	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Ethylbenzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
m&p-Xylenes	µg/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Methylene chloride	µg/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
o-Xylene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Tetrachloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	3.3	ND(0.50)	27	28	ND(0.50)
Toluene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
trans-1,2-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	3.7	0.92	ND(0.50)	16	16	ND(0.50)
Trichlorofluoromethane (CFC-11)	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trifluorotrichloroethane (CFC-113)	µg/L	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Vinyl chloride	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

Table 2

Analytical Results Summary
S17 WER3 Semiannual Groundwater Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
August 2025

Location ID:		**CRA-39S**	**CRA-61D**	**CRA-61S**	**CRA-62D**	**CRA-62S**	**EW-3**	**MWR-2**	**S-17**
Sample Name:		**GW-081825-EH-114**	**GW-081525-EH-106**	**GW-081525-EH-108**	**GW-081525-EH-109**	**GW-081525-EH-110**	**GW-081325-EH-99**	**GW-080725-EH-86**	**GW-080725-EH-89**
Sample Date:		**08/18/2025**	**08/15/2025**	**08/15/2025**	**08/15/2025**	**08/15/2025**	**08/13/2025**	**08/07/2025**	**08/07/2025**
Parameters	**Unit**								
Volatile Organic Compounds									
1,1,1-Trichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)
1,1-Dichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)
1,1-Dichloroethene	µg/L	ND(0.50)	1.0	ND(0.50)	1.2	ND(0.50)	ND(0.50)	0.59	ND(2.5)
1,2-Dichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)
1,2-Dichloropropane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(50)
Acetone	µg/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(50)
Benzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)
Bromodichloromethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)
Bromoform	µg/L	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(10)
Carbon tetrachloride	µg/L	ND(0.50)	ND(0.50)	0.70	ND(0.50)	ND(0.50)	6.3	ND(0.50)	ND(2.5)
Chlorobenzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)
Chloroform (Trichloromethane)	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	1.1	ND(0.50)	ND(2.5)
Chloromethane (Methyl chloride)	µg/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)
cis-1,2-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	0.64	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)
Dibromochloromethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)
Dichlorodifluoromethane (CFC-12)	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)
Ethylbenzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)
m&p-Xylenes	µg/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)
Methylene chloride	µg/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(5.0)
o-Xylene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)
Tetrachloroethene	µg/L	8.3	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	0.66	ND(0.50)	140
Toluene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)
trans-1,2-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)
Trichloroethene	µg/L	6.6	6.8	ND(0.50)	11	0.87	0.99	5.1	110 J-
Trichlorofluoromethane (CFC-11)	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)
Trifluorotrichloroethane (CFC-113)	µg/L	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(25)
Vinyl chloride	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(2.5)

Table 2

Analytical Results Summary
S17 WER3 Semiannual Groundwater Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
August 2025

Location ID:		**S-25**	**S-30**	**S-35**	**S-35**	**S-41**	**Equipment Blank**
Sample Name:		**GW-081425-EH-100**	**GW-080625-EH-84**	**GW-081425-EH-101**	**GW-081425-EH-102**	**GW-080625-EH-82**	**GW-081325-EH-EB1**
Sample Date:		**08/14/2025**	**08/06/2025**	**08/14/2025**	**08/14/2025**	**08/06/2025**	**08/13/2025**
					Duplicate		
Parameters	**Unit**						
Volatile Organic Compounds							
1,1,1-Trichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,2-Dichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,2-Dichloropropane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
Acetone	µg/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
Benzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Bromodichloromethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Bromoform	µg/L	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
Carbon tetrachloride	µg/L	1.5	2.0	24	23	18	ND(0.50)
Chlorobenzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Chloroform (Trichloromethane)	µg/L	ND(0.50)	0.56	3.5	3.4	1.0	ND(0.50)
Chloromethane (Methyl chloride)	µg/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Dibromochloromethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Dichlorodifluoromethane (CFC-12)	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Ethylbenzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
m&p-Xylenes	µg/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Methylene chloride	µg/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
o-Xylene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Tetrachloroethene	µg/L	3.8	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Toluene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
trans-1,2-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trichloroethene	µg/L	3.9	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trichlorofluoromethane (CFC-11)	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trifluorotrichloroethane (CFC-113)	µg/L	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Vinyl chloride	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

Table 2

Analytical Results Summary
S17 WER3 Semiannual Groundwater Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
August 2025

Location ID:		**Field Blank**	**Field Blank**	**Field Blank**	**Trip Blank**	**Trip Blank**	**Trip Blank**
Sample Name:		**GW-080625-EH-83**	**GW-080725-EH-90**	**GW-081525-EH-107**	**GW-080625-EH-TB**	**GW-080725-EH-TB**	**GW-081525-EH-TB**
Sample Date:		**08/06/2025**	**08/07/2025**	**08/15/2025**	**08/06/2025**	**08/07/2025**	**08/15/2025**
Parameters	**Unit**						
Volatile Organic Compounds							
1,1,1-Trichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,2-Dichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,2-Dichloropropane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
Acetone	µg/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
Benzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Bromodichloromethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Bromoform	µg/L	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
Carbon tetrachloride	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Chlorobenzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Chloroform (Trichloromethane)	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Chloromethane (Methyl chloride)	µg/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Dibromochloromethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Dichlorodifluoromethane (CFC-12)	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Ethylbenzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
m&p-Xylenes	µg/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Methylene chloride	µg/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
o-Xylene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Tetrachloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Toluene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
trans-1,2-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trichlorofluoromethane (CFC-11)	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trifluorotrichloroethane (CFC-113)	µg/L	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Vinyl chloride	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

Notes:

J- - Estimated concentration; result may be biased low

ND ( ) - Not detected at the associated reporting limit

Table 3

Analytical Method
S17 WER3 Semiannual Groundwater Sampling
Tucson International Airport Area Superfund Site-Airport Property
Tucson, Arizona
August 2025

Parameter	Method	Matrix	Holding Time Collection to Analysis (Days)
Volatile Organic Compounds (VOC)	SW-846 8260B	Water	14

Method Reference:

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition, 1986, with subsequent revisions

Table 4

Qualified Sample Results Due to Outlying MS/MSD Results
S17 WER3 - Semiannual Groundwater Sampling
Tucson International Airport Area Superfund Site - Airport Property
Tucson, Arizona
August 2025

Parameter	Sample ID	Analyte	MS % Recovery	MSD % Recovery	RPD (percent)	Control Limits % Recovery	Control Limits RPD	Qualified Result		Units
Volatile Organic Compounds	GW-080725-EH-89	Trichloroethene	0	0	NC	70-130	30	110	J-	µg/L

Notes:

MS - Matrix Spike
MSD - Matrix Spike Duplicate
RPD - Relative Percent Difference
NC - Not calculated
J- - Estimated concentration; result may be biased low

Data Validation Report

26 September 2025

To	Justin Berkompas; Evan Schaff	**Project No.**	12619196
Copy to	Sheri Finn	**DVR No.**	36
From	Avery Hook/eew	**Contact No.**	774-470-1659
Project Name	TIAA Superfund Site	**Email**	Avery.Hook@ghd.com
Subject	Analytical Results and Full Validation Groundwater Sampling Tucson International Airport Area Superfund Site - Airport Property Tucson, Arizona July 2025		

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

1. Introduction

This document details a full validation of analytical results for water samples collected in support of the Groundwater Sampling at the Tucson International Airport Area Superfund Site during July 2025. Samples were submitted to Turner Laboratories INC., located in Tucson, Arizona. A sample collection and analysis summary is presented in Table 1. The validated analytical results are summarized in Table 2. A summary of the analytical methodology is presented in Table 3.

Full Contract Laboratory Program (CLP) equivalent raw data deliverables were provided by the laboratory. Evaluation of the data was based on information obtained from the finished data sheets, raw data, chain of custody forms, calibration data, blank data, recovery data from surrogate spikes/laboratory control samples (LCS)/matrix spike (MS) samples and field quality assurance/quality control (QA/QC) samples. The assessment of analytical and in house data included checks for: data consistency, adherence to accuracy and precision criteria, and transmittal errors.

The QA/QC criteria by which these data have been assessed are outlined in the analytical method referenced in Table 3 and applicable guidance from the documents entitled:

i) "Quality Assurance Project Plan", 013711 Report 37, September 2007

ii) "National Functional Guidelines for Organic Superfund Methods Data Review", United States Environmental Protection Agency (USEPA) 540-R-20-005, November 2020

2. Sample Holding Time and Preservation

The sample holding time criterion for the analysis is summarized in Table 3. Sample chain of custody documents and analytical reports were used to determine sample holding times. All samples were analyzed within the required holding time.

All samples were properly preserved, delivered on ice, and stored by the laboratory at the required temperature (0-6°C).

3. Gas Chromatography/Mass Spectrometer (GC/MS) - Tuning and Mass Calibration - Instrument Performance Checks

Prior to volatile organic compound (VOC) analysis, GC/MS instrumentation is tuned to ensure optimization over the mass range of interest. To evaluate instrument tuning, the method requires the analysis of a specific tuning compound bromofluorobenzene (BFB). The resulting spectra must meet the criteria cited in the method before analysis is initiated. Analysis of the tuning compound must then be repeated every 12 hours throughout sample analysis to ensure the continued optimization of the instrument.

The tuning compound was analyzed at the required frequency throughout VOC analysis periods. All tuning criteria were met indicating that proper optimization of the instrumentation was achieved.

4. Initial Calibration

To quantify VOCs of interest in samples, calibration of the GC/MS over a specific concentration range must be performed. Initially, a five-point calibration curve containing all compounds of interest is analyzed to characterize instrument response for each analyte over a specific concentration range. Linearity of the calibration curve and instrument sensitivity are evaluated against the following criteria:

1. All relative response factors (RRFs) must be greater than or equal to the method acceptance criteria.
2. The percent relative standard deviation (%RSD) values must not exceed method acceptance criteria or a minimum coefficient of determination (R^2) of 0.99 if linear and quadratic regression calibration curves are used.

The initial calibration data for VOCs was reviewed. All compounds met the above criteria for sensitivity and linearity.

5. Continuing Calibration

To ensure that instrument calibration for VOC analyses is acceptable throughout the sample analysis period, continuing calibration standards must be analyzed and compared to the initial calibration curve every 12 hours.

The following criteria were employed to evaluate continuing calibration data:

1. All RRF values must be greater than or equal to the method acceptance criteria.
2. Percent difference (%D) or %Drift values must not exceed 20.0 percent.

Calibration standards were analyzed at the required frequency. Table 4 represents the outlying calibration results. Associated sample data are qualified as noted in the table.

6. Laboratory Blank Analyses

Method blanks are prepared from a purified matrix and analyzed with investigative samples to determine the existence and magnitude of sample contamination introduced during the analytical procedures.

For this study, laboratory method blanks were analyzed at a minimum frequency of one per analytical batch.

All method blank results were non-detect, indicating that laboratory contamination was not a factor for this investigation.

7. Surrogate Spike Recoveries

In accordance with the method employed, all samples, blanks, and QC samples analyzed for organics are spiked with surrogate compounds prior to sample analysis. Surrogate recoveries provide a means to evaluate the effects of laboratory performance on individual sample matrices.

All samples submitted for VOC determinations were spiked with the appropriate number of surrogate compounds prior to sample analysis.

Surrogate recoveries were assessed against laboratory control limits. All surrogate recoveries were within the laboratory criteria.

8. Internal Standards (IS) Analyses

IS data were evaluated for all VOC sample analyses.

To ensure that changes in the GC/MS sensitivity and response do not affect sample analysis results, IS compounds are added to each sample prior to analysis. All results are then calculated as a ratio of the IS responses.

The sample IS results were evaluated against the following criteria:

1. The retention time of the IS must not vary more than ±10 seconds from the associated calibration standard.
2. IS area counts must not vary by more than a factor of two (50 percent to +100 percent) from the associated calibration standard.

All organic IS recoveries and retention times met the above criteria.

9. Laboratory Control Sample Analyses

LCS/laboratory control sample duplicates (LCSD) are prepared and analyzed as samples to assess the analytical efficiencies of the method employed, independent of sample matrix effects. The relative percent difference (RPD) of the LCS/LCSD recoveries is used to evaluate analytical precision.

For this study, LCS/LCSD were analyzed at a minimum frequency of one per analytical batch.

The LCS/LCSD contained a partial list of the compounds of interest. All LCS recoveries and RPDs were within the laboratory control limits, demonstrating acceptable analytical accuracy and precision.

10. Matrix Spike/Matrix Spike Duplicate (MS/MSD) Analyses

To evaluate the effects of sample matrices on the preparation process, measurement procedures, and accuracy of a particular analysis, samples are spiked with a known concentration of the analyte of concern and analyzed as MS/MSD samples. The RPD between the MS and MSD is used to assess analytical precision.

High MS/MSD recoveries and/or RPDs do not impact any associated non-detect sample results.

If the original sample concentration is significantly greater than the spike concentration, or if sample is diluted five times or greater, the recovery is not assessed.

If only the MS or MSD recovery was outside of control limits, no qualification of the data was performed based on the acceptable recovery of the companion spike and RPD.

MS/MSD analyses were performed as specified in Table 1.

The MS/MSD samples were spiked with a partial list of the compounds of interest. All percent recoveries and RPD values were within the laboratory control limits or adhered to the above criteria, demonstrating acceptable analytical accuracy and precision.

11. Field QA/QC Samples

The field QA/QC consisted of two trip blank samples.

To evaluate contamination from sample collection, transportation, storage, and analytical activities, two trip blanks were submitted to the laboratory for VOC analysis. All results were non-detect for the compounds of interest.

12. Analyte Reporting

The laboratory reported detected results down to the laboratory's sample-specific method detection limit (MDL) for each analyte. No positive analyte detections less than the RL but greater than the sample-specific MDL were reported. Non-detect results were presented as non-detect at the RL in Table 2.

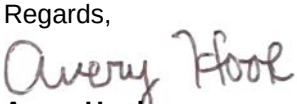
13. Target Compound Identification

To minimize erroneous compound identification during organic analyses, qualitative criteria including compound retention time and mass spectra were evaluated according to the identification criteria established by the method. The samples identified in Table 1 were reviewed. The organic compounds reported adhered to the specified identification criteria.

14. Conclusion

Based on the assessment detailed in the foregoing, the data summarized in Table 2 are acceptable with the specific qualifications noted herein.

Regards,



Avery Hook
Chemistry Data Validator / Analytical Coordinator

Table 1

Sample Collection and Analysis Summary
Groundwater Sampling
Tucson International Airport Area Superfund Site - Airport Property
Tucson, Arizona
July 2025

Sample Delivery Group	Sample Identification	Location	Matrix	Collection Date (mm/dd/yyyy)	Collection Time (hr:min)	Analysis/Parameters: VOCs	Comments
25G0698	GW-072325-KB-58	S-9	Water	07/23/2025	07:55	X	MS/MSD
	GW-072325-KB-60	D-6	Water	07/23/2025	09:25	X	MS/MSD
	GW-072325-KB-61	S-12	Water	07/23/2025	11:05	X	
	GW-072325-KB-TB	-	Water	07/23/2025	-	X	Trip Blank
25G0753	GW-072425-EH-62	S-4	Water	07/24/2025	08:55	X	MS/MSD
	GW-072425-EH-63	D-1	Water	07/24/2025	10:05	X	MS/MSD
	GW-072425-EH-64	S-3	Water	07/24/2025	12:05	X	MS/MSD
	GW-072425-EH-65	S-2	Water	07/24/2025	14:15	X	
	GW-072525-EH-66	S-6	Water	07/25/2025	08:25	X	
	GW-072525-EH-67	D-3	Water	07/25/2025	09:45	X	
	GW-072525-EH-68	S-28	Water	07/25/2025	10:55	X	
	GW-072425-EH-TB	-	Water	07/24/2025	-	X	Trip Blank

Notes:

MS/MSD - Matrix Spike/Matrix Spike Duplicate
VOCs - Volatile Organic Compounds
"-" - Not applicable

Table 2

Analytical Results Summary
Groundwater and Process Water Sampling
Tucson International Airport Area Superfund Site - Airport Property
Tucson, Arizona
July 2025

	Location ID:	**D-1**	**D-3**	**D-6**	**S-2**	**S-3**	**S-4**
	Sample Name:	**GW-072425-EH-63**	**GW-072525-EH-67**	**GW-072325-KB-60**	**GW-072425-EH-65**	**GW-072425-EH-64**	**GW-072425-EH-62**
	Sample Date:	**07/24/2025**	**07/25/2025**	**07/23/2025**	**07/24/2025**	**07/24/2025**	**07/24/2025**
Parameters	**Unit**						
Volatile Organic Compounds							
1,1,1-Trichloroethane	µg/L	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethane	µg/L	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethene	µg/L	7.7	ND(0.50)	0.95	ND(0.50)	ND(0.50)	ND(0.50)
1,2-Dichloroethane	µg/L	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,2-Dichloropropane	µg/L	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	0.79	ND(0.50)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	ND(50) J	ND(10)	ND(10) J	ND(10)	ND(10)	ND(10)
Acetone	µg/L	ND(50) J	ND(10)	ND(10) J	ND(10)	ND(10)	ND(10)
Benzene	µg/L	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Bromodichloromethane	µg/L	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Bromoform	µg/L	ND(10)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
Carbon tetrachloride	µg/L	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Chlorobenzene	µg/L	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Chloroform (Trichloromethane)	µg/L	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	1.5	0.60
Chloromethane (Methyl chloride)	µg/L	ND(5.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	µg/L	2.8	ND(0.50)	0.64	ND(0.50)	ND(0.50)	ND(0.50)
Dibromochloromethane	µg/L	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Dichlorodifluoromethane (CFC-12)	µg/L	ND(2.5)	ND(0.50)	ND(0.50) J	ND(0.50)	ND(0.50)	ND(0.50)
Ethylbenzene	µg/L	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
m&p-Xylenes	µg/L	ND(5.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Methylene chloride	µg/L	ND(5.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
o-Xylene	µg/L	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Tetrachloroethene	µg/L	ND(2.5) J	ND(0.50)	ND(0.50)	ND(0.50)	0.53	ND(0.50)
Toluene	µg/L	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

Table 2

Analytical Results Summary
Groundwater and Process Water Sampling
Tucson International Airport Area Superfund Site - Airport Property
Tucson, Arizona
July 2025

	Location ID:	**D-1**	**D-3**	**D-6**	**S-2**	**S-3**	**S-4**
	Sample Name:	**GW-072425-EH-63**	**GW-072525-EH-67**	**GW-072325-KB-60**	**GW-072425-EH-65**	**GW-072425-EH-64**	**GW-072425-EH-62**
	Sample Date:	**07/24/2025**	**07/25/2025**	**07/23/2025**	**07/24/2025**	**07/24/2025**	**07/24/2025**
Parameters	**Unit**						
Volatile Organic Compounds (Continued)							
trans-1,2-Dichloroethene	µg/L	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trichloroethene	µg/L	54	3.9	6.8	0.87	3.7	2.2
Trichlorofluoromethane (CFC-11)	µg/L	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trifluorotrichloroethane (CFC-113)	µg/L	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Trihalomethanes	µg/L	ND(10)	ND(2.0)	ND(2.0)	ND(2.0)	1.5	0.60
Vinyl chloride	µg/L	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

Table 2

Analytical Results Summary
Groundwater and Process Water Sampling
Tucson International Airport Area Superfund Site - Airport Property
Tucson, Arizona
July 2025

	Location ID:	**S-6**	**S-9**	**S-12**	**S-28**	**Trip Blank**	**Trip Blank**
	Sample Name:	**GW-072525-EH-66**	**GW-072325-KB-58**	**GW-072325-KB-61**	**GW-072525-EH-68**	**GW-072325-KB-TB**	**GW-072425-EH-TB**
	Sample Date:	**07/25/2025**	**07/23/2025**	**07/23/2025**	**07/25/2025**	**07/23/2025**	**07/24/2025**
Parameters	**Unit**						
Volatile Organic Compounds							
1,1,1-Trichloroethane	µg/L	ND(2.5)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethane	µg/L	ND(2.5)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethene	µg/L	ND(2.5)	ND(0.50)	23	ND(0.50)	ND(0.50)	ND(0.50)
1,2-Dichloroethane	µg/L	ND(2.5)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)
1,2-Dichloropropane	µg/L	ND(2.5)	ND(0.50)	4.3	ND(0.50)	ND(0.50)	ND(0.50)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	ND(50)	ND(10) J	ND(50) J	ND(10)	ND(10)	ND(10)
Acetone	µg/L	ND(50)	ND(10) J	ND(50) J	ND(10)	ND(10)	ND(10)
Benzene	µg/L	ND(2.5)	ND(0.50)	26	ND(0.50)	ND(0.50)	ND(0.50)
Bromodichloromethane	µg/L	ND(2.5)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)
Bromoform	µg/L	ND(10)	ND(2.0)	ND(10)	ND(2.0)	ND(2.0)	ND(2.0)
Carbon tetrachloride	µg/L	ND(2.5)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)
Chlorobenzene	µg/L	ND(2.5)	ND(0.50)	23	ND(0.50)	ND(0.50)	ND(0.50)
Chloroform (Trichloromethane)	µg/L	ND(2.5)	30	130	ND(0.50)	ND(0.50)	ND(0.50)
Chloromethane (Methyl chloride)	µg/L	ND(5.0)	ND(1.0)	ND(5.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	µg/L	ND(2.5)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)
Dibromochloromethane	µg/L	ND(2.5)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)
Dichlorodifluoromethane (CFC-12)	µg/L	ND(2.5)	ND(0.50) J	ND(2.5) J	ND(0.50)	ND(0.50)	ND(0.50)
Ethylbenzene	µg/L	ND(2.5)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)
m&p-Xylenes	µg/L	ND(5.0)	ND(1.0)	ND(5.0)	ND(1.0)	ND(1.0)	ND(1.0)
Methylene chloride	µg/L	ND(5.0)	ND(1.0)	ND(5.0)	ND(1.0)	ND(1.0)	ND(1.0)
o-Xylene	µg/L	ND(2.5)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)
Tetrachloroethene	µg/L	ND(2.5)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)
Toluene	µg/L	ND(2.5)	ND(0.50)	23	ND(0.50)	ND(0.50)	ND(0.50)

Table 2

Analytical Results Summary
Groundwater and Process Water Sampling
Tucson International Airport Area Superfund Site - Airport Property
Tucson, Arizona
July 2025

	Location ID:	**S-6**	**S-9**	**S-12**	**S-28**	**Trip Blank**	**Trip Blank**
	Sample Name:	**GW-072525-EH-66**	**GW-072325-KB-58**	**GW-072325-KB-61**	**GW-072525-EH-68**	**GW-072325-KB-TB**	**GW-072425-EH-TB**
	Sample Date:	**07/25/2025**	**07/23/2025**	**07/23/2025**	**07/25/2025**	**07/23/2025**	**07/24/2025**
Parameters	**Unit**						
Volatile Organic Compounds (Continued)							
trans-1,2-Dichloroethene	µg/L	ND(2.5)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)
Trichloroethene	µg/L	ND(2.5)	4.3	57	ND(0.50)	ND(0.50)	ND(0.50)
Trichlorofluoromethane (CFC-11)	µg/L	ND(2.5)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)
Trifluorotrichloroethane (CFC-113)	µg/L	ND(25)	ND(5.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)
Trihalomethanes	µg/L	ND(10)	30	130	ND(2.0)	ND(2.0)	ND(2.0)
Vinyl chloride	µg/L	ND(2.5)	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)

Notes:

ND ( ) - Not detected at the associated reporting limit

ND ( ) J - Not detected; associated reporting limit is estimated

Table 3

Analytical Method
Groundwater Sampling
Tucson International Airport Area Superfund Site - Airport Property
Tucson, Arizona
July 2025

Parameter	Method	Matrix	Holding Time Collection to Analysis (Days)
Volatile Organic Compounds (VOCs)	SW-846 8260B	Groundwater	14

Method Reference:

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition, 1986, with subsequent revisions

Table 4

Qualified Sample Results Due to Outlying Continuing Calibration Results
Groundwater Sampling
Tucson International Airport Area Superfund Site - Airport Property
Tucson, Arizona
July 2025

Parameter	Analyte	Calibration Date (mm/dd/yyyy)	%D	Associated Sample ID	Qualified Result	Units
VOCs	2-Butanone (Methyl ethyl ketone) (MEK)	07/23/2025	22.1	GW-072325-KB-58	ND(10) J	µg/L
				GW-072325-KB-60	ND(10) J	µg/L
				GW-072325-KB-61	ND(50) J	µg/L
		08/04/2025	40.3	GW-072425-EH-63	ND(50) J	µg/L
	Acetone	07/23/2025	29.4	GW-072325-KB-58	ND(10) J	µg/L
				GW-072325-KB-60	ND(10) J	µg/L
				GW-072325-KB-61	ND(50) J	µg/L
		08/04/2025	51.9	GW-072425-EH-63	ND(50) J	µg/L
	Dichlorodifluoromethane (CFC-12)	07/23/2025	21.0	GW-072325-KB-58	ND(0.50) J	µg/L
				GW-072325-KB-60	ND(0.50) J	µg/L
				GW-072325-KB-61	ND(2.5) J	µg/L
	Tetrachloroethene	08/04/2025	21.7	GW-072425-EH-63	ND(2.5) J	µg/L

Notes:

%D - Percent difference
ND( ) J - Not detected; associated reporting limit is estimated
VOCs - Volatile Organic Compounds

Data Verification Report

October 1, 2025

To	Justin Berkompas; Evan Schaff	**Project No.**	12619196
Copy to	File	**DVR No.**	37
From	Sheri Finn/cs	**Contact No.**	716-205-1977
Project Name	TIAA Superfund Site	**Email**	sheri.finn@ghd.com
Subject	Analytical Results and Verification Plug In Sub Site Groundwater Sampling Tucson International Airport Area Superfund Site-Airport Property Tucson, Arizona July and August 2025		

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

1. Introduction

This document details a verification of analytical results for water samples collected in support of the Plug In Sub Site sampling at the Tucson International Airport Area Superfund Site for the July and August 2025 event. Samples were submitted to Turner Laboratories located in Tucson, Arizona. A sample collection and analysis summary is presented in Table 1. The validated analytical results are summarized in Table 2. A summary of the analytical methodology is presented in Table 3.

Standard GHD report deliverables were submitted by the laboratory. The final results and supporting quality assurance/quality control (QA/QC) data were assessed. Evaluation of the data was based on information obtained from the chain of custody form, finished report forms, method blank data, and recovery data from surrogate spikes, laboratory control samples (LCS), matrix spike/matrix spike duplicates (MS/MSD) and field QA/QC samples.

The QA/QC criteria by which these data have been assessed are outlined in the analytical method referenced in Table 3 and applicable guidance from the documents entitled:

i) "Quality Assurance Project Plan", 013711 Report 37, September 2007

ii) "National Functional Guidelines for Organic Superfund Methods Data Review", United States Environmental Protection Agency (USEPA) 540-R-20-005, November 2020

2. Sample Holding Time and Preservation

The sample holding time criterion for the analysis is summarized in Table 3. The sample chain of custody documents and analytical reports were used to determine sample holding times. All samples were analyzed within the required holding time.

All samples were properly preserved, delivered on ice, and stored by the laboratory at the required temperature (0-6°C).

3. Laboratory Method Blank Analyses

Method blanks are prepared from a purified matrix and analyzed with investigative samples to determine the existence and magnitude of sample contamination introduced during the analytical procedures.

For this study, laboratory method blanks were analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch.

All method blank results were non-detect, indicating that laboratory contamination was not a factor for this investigation.

4. Surrogate Spike Recoveries

In accordance with the method employed, all samples, blanks, and QC samples analyzed for organics are spiked with surrogate compounds prior to sample analysis. Surrogate recoveries provide a means to evaluate the effects of laboratory performance on individual sample matrices.

All samples submitted for volatile organic compound (VOC) determinations were spiked with the appropriate number of surrogate compounds prior to sample analysis.

Surrogate recoveries were assessed against laboratory control limits. All surrogate recoveries met those criteria.

5. Laboratory Control Sample Analyses

LCS are prepared and analyzed as samples to assess the analytical efficiencies of the method employed, independent of sample matrix effects.

For this study, LCS were analyzed at a minimum frequency of 1 per 20 investigative samples. They were also analyzed in duplicate (LCSD) to assess analytical precision.

The LCS contained the compounds specified in the method. All LCS recoveries and relative percent differences (RPD) were within the laboratory control limits, demonstrating acceptable analytical accuracy and precision.

6. Field QA/QC Samples

The field QA/QC consisted of two trip blank samples and one field duplicate sample set.

6.1 Trip Blank Sample Analysis

To evaluate contamination from sample collection, transportation, storage, and analytical activities, two trip blanks were submitted to the laboratory for VOC analysis. All results were non-detect for the compounds of interest.

6.2 Field Duplicate Sample Analysis

To assess the analytical and sampling protocol precision, one field duplicate sample set was collected and submitted "blind" to the laboratory, as specified in Table 1. The RPDs associated with the duplicate sample must be less than 50 percent for water samples. If the reported concentration in either the investigative sample or its duplicate is less than five times the reporting limit (RL), the evaluation criterion is one times the RL value.

The field duplicate results were within acceptable agreement, demonstrating acceptable sampling and analytical precision.

7. Analyte Reporting

No positive analyte detections less than the reporting limit (RL) but greater than the method detection limit (MDL) were reported in Table 2. Non-detect results were presented as non-detect at the RL in Table 2.

8. Conclusion

Based on the assessment detailed in the foregoing, the data summarized in Table 2 are acceptable without qualification.

Regards,

Sheri Finn
Analyst

Table 1

Sample Collection and Analysis Summary
Plug In Sub Site Groundwater Sampling
Tucson International Airport Area Superfund Site
Tucson, Arizona
July and August 2025

Sample Delivery Group	Sample Identification	Location	Matrix	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Analysis/Parameters: TCL VOC	Comments
25H0026	GW-080125-EH-76	CRA-16	Water	08/01/2025	09:05	X	
25H0026	GW-080125-EH-75	CRA-23	Water	08/01/2025	08:05	X	
25H0026	GW-073125-EH-74	MWR-1	Water	07/31/2025	13:55	X	
25H0026	GW-073125-EH-TB	-	Water	07/31/2025	13:55	X	Trip Blank
25G0516	GW-071625-KB-38	LF-3	Water	07/16/2025	12:15	X	
25G0516	GW-071525-KB-35	LF-4	Water	07/15/2025	11:25	X	
25G0516	GW-071525-KB-34	LF-5	Water	07/15/2025	10:15	X	
25G0516	GW-071525-KB-33	LF-6	Water	07/15/2025	09:05	X	
25G0516	GW-071525-KB-32	LF-7	Water	07/15/2025	08:05	X	
25G0516	GW-071625-KB-36	S-40	Water	07/16/2025	10:15	X	
25G0516	GW-071625-KB-37	S-40	Water	07/16/2025	10:17	X	Field Duplicate of GW-071625-KB-36
25G0516	GW-071525-KB-TB	-	Water	07/15/2025	08:05	X	Trip Blank

Notes:

TCL - Target Compound List
VOC - Volatile Organic Compounds
\- - Not applicable

Table 2

Analytical Results Summary
Plug In Sub Site Semiannual Groundwater Sampling
Tucson International Airport Area Superfund Site
Tucson, Arizona
July and August 2025

	Location ID:	**CRA-16**	**CRA-23**	**LF-3**	**LF-4**
	Sample Name:	**GW-080125-EH-76**	**GW-080125-EH-75**	**GW-071625-KB-38**	**GW-071525-KB-35**
	Sample Date:	**08/01/2025**	**08/01/2025**	**07/16/2025**	**07/15/2025**
Parameters	**Unit**				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,2-Dichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,2-Dichloropropane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	ND(10)	ND(10)	ND(10)	ND(10)
Acetone	µg/L	ND(10)	ND(10)	ND(10)	ND(10)
Benzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Bromodichloromethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Bromoform	µg/L	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
Carbon tetrachloride	µg/L	3.7	1.8	ND(0.50)	ND(0.50)
Chlorobenzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Chloroform (Trichloromethane)	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Chloromethane (Methyl chloride)	µg/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	µg/L	ND(0.50)	3.9	ND(0.50)	ND(0.50)
Dibromochloromethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Dichlorodifluoromethane (CFC-12)	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Ethylbenzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
m&p-Xylenes	µg/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Methylene chloride	µg/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)

Table 2

Analytical Results Summary
Plug In Sub Site Semiannual Groundwater Sampling
Tucson International Airport Area Superfund Site
Tucson, Arizona
July and August 2025

	Location ID:	**CRA-16**	**CRA-23**	**LF-3**	**LF-4**
	Sample Name:	**GW-080125-EH-76**	**GW-080125-EH-75**	**GW-071625-KB-38**	**GW-071525-KB-35**
	Sample Date:	**08/01/2025**	**08/01/2025**	**07/16/2025**	**07/15/2025**
Parameters	**Unit**				
Volatile Organic Compounds					
o-Xylene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Tetrachloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Toluene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
trans-1,2-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trichloroethene	µg/L	ND(0.50)	1.9	1.6	ND(0.50)
Trichlorofluoromethane (CFC-11)	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trifluorotrichloroethane (CFC-113)	µg/L	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Trihalomethanes	µg/L	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
Vinyl chloride	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

Table 2

Analytical Results Summary
Plug In Sub Site Semiannual Groundwater Sampling
Tucson International Airport Area Superfund Site
Tucson, Arizona
July and August 2025

	Location ID:	**LF-5**	**LF-6**	**LF-7**	**MWR-1**
	Sample Name:	**GW-071525-KB-34**	**GW-071525-KB-33**	**GW-071525-KB-32**	**GW-073125-EH-74**
	Sample Date:	**07/15/2025**	**07/15/2025**	**07/15/2025**	**07/31/2025**
Parameters	**Unit**				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,2-Dichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,2-Dichloropropane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	ND(10)	ND(10)	ND(10)	ND(10)
Acetone	µg/L	ND(10)	ND(10)	ND(10)	ND(10)
Benzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Bromodichloromethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Bromoform	µg/L	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
Carbon tetrachloride	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Chlorobenzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Chloroform (Trichloromethane)	µg/L	1.2	ND(0.50)	ND(0.50)	ND(0.50)
Chloromethane (Methyl chloride)	µg/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	2.6
Dibromochloromethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Dichlorodifluoromethane (CFC-12)	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Ethylbenzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
m&p-Xylenes	µg/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Methylene chloride	µg/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)

Table 2

Analytical Results Summary
Plug In Sub Site Semiannual Groundwater Sampling
Tucson International Airport Area Superfund Site
Tucson, Arizona
July and August 2025

	Location ID:	**LF-5**	**LF-6**	**LF-7**	**MWR-1**
	Sample Name:	**GW-071525-KB-34**	**GW-071525-KB-33**	**GW-071525-KB-32**	**GW-073125-EH-74**
	Sample Date:	**07/15/2025**	**07/15/2025**	**07/15/2025**	**07/31/2025**
Parameters	**Unit**				
Volatile Organic Compounds					
o-Xylene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Tetrachloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Toluene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
trans-1,2-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trichloroethene	µg/L	9.4	3.8	1.4	1.4
Trichlorofluoromethane (CFC-11)	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trifluorotrichloroethane (CFC-113)	µg/L	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Trihalomethanes	µg/L	1.2	ND(2.0)	ND(2.0)	ND(2.0)
Vinyl chloride	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

Table 2

Analytical Results Summary
Plug In Sub Site Semiannual Groundwater Sampling
Tucson International Airport Area Superfund Site
Tucson, Arizona
July and August 2025

	Location ID:	**S-40**	**S-40**	**Trip Blank**	**Trip Blank**
	Sample Name:	**GW-071625-KB-36**	**GW-071625-KB-37**	**GW-071525-KB-TB**	**GW-073125-EH-TB**
	Sample Date:	**07/16/2025**	**07/16/2025**	**07/15/2025**	**07/31/2025**
			Duplicate		
Parameters	**Unit**				
Volatile Organic Compounds					
1,1,1-Trichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,2-Dichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,2-Dichloropropane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	ND(10)	ND(10)	ND(10)	ND(10)
Acetone	µg/L	ND(10)	ND(10)	ND(10)	ND(10)
Benzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Bromodichloromethane	µg/L	0.51	0.51	ND(0.50)	ND(0.50)
Bromoform	µg/L	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
Carbon tetrachloride	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Chlorobenzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Chloroform (Trichloromethane)	µg/L	1.1	1.1	ND(0.50)	ND(0.50)
Chloromethane (Methyl chloride)	µg/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	µg/L	5.1	7.0	ND(0.50)	ND(0.50)
Dibromochloromethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Dichlorodifluoromethane (CFC-12)	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Ethylbenzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
m&p-Xylenes	µg/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Methylene chloride	µg/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)

Table 2

Analytical Results Summary
Plug In Sub Site Semiannual Groundwater Sampling
Tucson International Airport Area Superfund Site
Tucson, Arizona
July and August 2025

	Location ID:	**S-40**	**S-40**	**Trip Blank**	**Trip Blank**
	Sample Name:	**GW-071625-KB-36**	**GW-071625-KB-37**	**GW-071525-KB-TB**	**GW-073125-EH-TB**
	Sample Date:	**07/16/2025**	**07/16/2025**	**07/15/2025**	**07/31/2025**
			Duplicate		
Parameters	**Unit**				
Volatile Organic Compounds					
o-Xylene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Tetrachloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Toluene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
trans-1,2-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trichloroethene	µg/L	5.7	5.8	ND(0.50)	ND(0.50)
Trichlorofluoromethane (CFC-11)	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trifluorotrichloroethane (CFC-113)	µg/L	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Trihalomethanes	µg/L	1.61	1.61	ND(2.0)	ND(2.0)
Vinyl chloride	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

Notes:

ND ( ) - Not detected at the associated reporting limit

Table 3

Analytical Methods
Plug In Sub Site Groundwater Sampling
Tucson International Airport Area Superfund Site
Tucson, Arizona
July and August 2025

Parameter	Method	Matrix	Holding Time Collection to Analysis (Days)
Volatile Organic Compounds (VOC)	SW-846 8260B	Water	14

Method Reference:

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition, 1986, with subsequent revisions

Data Verification Report

October 1, 2025
October 8, 2025

To	Justin Berkompas; Evan Schaff	**Project No.**	12619196
Copy to	File	**DVR No.**	38
From	Sheri Finn/cs	**Contact No.**	716-205-1977
Project Name	TIAA Superfund Site	**Email**	Sheri.finn@ghd.com
Subject	Analytical Results and Verification SGZ Remedy Groundwater Sampling Tucson International Airport Area Superfund Site Tucson, Arizona July and August 2025		

The services undertaken by GHD in connection with preparing this report were limited to those specifically detailed in the report and are subject to the scope limitations set out in the report.

1. Introduction

This document details a reduced validation of analytical results for water samples collected in support of the Shallow Groundwater Zone (SGZ) Remedy Sampling at the Tucson International Airport Area Superfund Site for the July and August 2025 event. Samples were submitted to Turner Laboratories located in Tucson, Arizona. A sample collection and analysis summary is presented in Table 1. The validated analytical results are summarized in Table 2. A summary of the analytical methodology is presented in Table 3.

Standard GHD report deliverables were submitted by the laboratory. The final results and supporting quality assurance/quality control (QA/QC) data were assessed. Evaluation of the data was based on information obtained from the chain of custody forms, finished report forms, method blank data, and recovery data from surrogate spikes, laboratory control samples (LCS), matrix spike/matrix spike duplicates (MS/MSD) and field QC samples.

The QA/QC criteria by which these data have been assessed are outlined in the analytical method referenced in Table 3 and applicable guidance from the documents entitled:

i) "Quality Assurance Project Plan", 013711 Report 37, September 2007

ii) "National Functional Guidelines for Organic Superfund Methods Data Review", United States Environmental Protection Agency (USEPA) 540-R-20-005, November 2020

Item ii) will subsequently be referred to as the "Guidelines" in this report.

2. Sample Holding Time and Preservation

The sample holding time criterion for the analysis is summarized in Table 3. The sample chain of custody documents and analytical reports were used to determine sample holding times. All samples were analyzed within the required holding time.

All samples were properly preserved, delivered on ice, and stored by the laboratory at the required temperature (0-6°C).

3. Laboratory Method Blank Analyses

Method blanks are prepared from a purified matrix and analyzed with investigative samples to determine the existence and magnitude of sample contamination introduced during the analytical procedures.

For this study, laboratory method blanks were analyzed at a minimum frequency of 1 per 20 investigative samples.

All method blank results were non-detect, indicating that laboratory contamination was not a factor for this investigation.

4. Surrogate Spike Recoveries

In accordance with the method employed, all samples, blanks, and QC samples analyzed for organics are spiked with surrogate compounds prior to sample analysis. Surrogate recoveries provide a means to evaluate the effects of laboratory performance on individual sample matrices.

All samples submitted for volatile organic compound (VOC) determinations were spiked with the appropriate number of surrogate compounds prior to sample analysis.

Surrogate recoveries were assessed against laboratory control limits. All surrogate recoveries met those criteria except for high recoveries for sample GW-080425-EH-77. The associated detected sample results were qualified as estimated (see Table 4).

5. Laboratory Control Sample Analyses

LCS are prepared and analyzed as samples to assess the analytical efficiencies of the method employed, independent of sample matrix effects.

For this study, LCS were analyzed at a minimum frequency of 1 per 20 investigative samples and/or 1 per analytical batch. They were also analyzed in duplicate (LCSD) to assess analytical precision.

The LCS contained the compounds specified in the method. All LCS recoveries and relative percent differences (RPD) were within the laboratory control limits, demonstrating acceptable analytical accuracy and precision.

6. Matrix Spike/Matrix Spike Duplicate Analyses

To evaluate the effects of sample matrices on the preparation process, measurement procedures, and accuracy of a particular analysis, samples are spiked with a known concentration of the analyte of concern and analyzed as MS/MSD samples. The relative percent difference (RPD) between the MS and MSD is used to assess analytical

precision. If the original sample concentration is significantly greater than the spike concentration, the recovery is not assessed. If only the MS or MSD recovery was outside of control limits, no qualification of the data was performed based on the acceptable recovery of the companion spike and the acceptable RPD.

MS/MSD analyses were performed and showed acceptable analytical accuracy and precision.

7. Field QA/QC Samples

The field QA/QC consisted of eight trip blank samples, two equipment blanks, six field blanks and seven field duplicate sample sets.

7.1 Trip Blank Sample Analysis

To evaluate contamination from sample collection, transportation, storage, and analytical activities, eight trip blanks were submitted to the laboratory for VOC analysis. All results were non-detect for the compounds of interest.

7.2 Equipment and Field Blank Sample Analysis

To assess ambient conditions at the site, two equipment blanks and six field blanks were submitted for analysis, as identified in Table 1. All results were non-detect for the analytes of interest.

7.3 Field Duplicate Sample Analysis

To assess the analytical and sampling protocol precision, seven field duplicate sample sets were collected and submitted "blind" to the laboratory, as specified in Table 1. The RPDs associated with the duplicate samples must be less than 50 percent for water samples. If the reported concentration in either the investigative sample or its duplicate is less than five times the reporting limit (RL), the evaluation criterion is one times the RL value.

The field duplicate results were within acceptable agreement, demonstrating acceptable sampling and analytical precision.

8. Analyte Reporting

No positive analyte detections less than the reporting limit (RL) but greater than the method detection limit (MDL) were reported. Non-detect results were presented as non-detect at the RL in Table 2.

Trichloroethene in sample GW-072925-EH-69 was reported over the calibration range of the instrument and the result was qualified as estimated (see Table 5).

9. Conclusion

Based on the assessment detailed in the foregoing, the data summarized in Table 2 are acceptable with the qualifications noted.

Regards,

Sheri Finn
Analyst

Table 1

SGZ Remedy Groundwater Sampling
Tucson International Airport Area Superfund Site
Tucson, Arizona
July and August 2025

Sample Delivery Group	Sample Identification	Location	Matrix	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Analysis/Parameters: TCL VOC	Comments
25G0165	GW-070125-WT-02	CRA-52D	Water	07/01/2025	13:35	X	
25G0165	GW-070125-WT-03	CRA-52D	Water	07/01/2025	13:37	X	Field Duplicate of GW-070125-WT-02
25G0165	GW-070125-WT-04	CRA-52S	Water	07/01/2025	14:35	X	
25G0165	GW-070225-WT-06	S-1	Water	07/02/2025	12:35	X	
25G0165	GW-070325-WT-08	S-5	Water	07/03/2025	09:55	X	
25G0165	GW-070325-WT-09	S-10	Water	07/03/2025	13:05	X	
25G0165	GW-070225-WT-05	S-16B	Water	07/02/2025	11:15	X	
25G0165	GW-070125-WT-01	S-27	Water	07/01/2025	11:15	X	
25G0165	GW-070325-WT-07	-	Water	07/03/2025	08:25	X	Equipment Blank
25G0165	GW-070225-WT-TB	-	Water	07/01/2025	11:15	X	Trip Blank
25G0321	GW-070825-WT-20	CRA-5	Water	07/08/2025	11:35	X	
25G0321	GW-070925-WT-24	CRA-8	Water	07/09/2025	10:15	X	
25G0321	GW-070825-WT-21	CRA-9	Water	07/08/2025	13:55	X	
25G0321	GW-070825-WT-17	CRA-10	Water	07/08/2025	09:05	X	
25G0321	GW-070825-WT-18	CRA-34D	Water	07/08/2025	10:35	X	
25G0321	GW-070825-WT-19	CRA-34S	Water	07/08/2025	11:25	X	
25G0321	GW-070925-WT-23	D-4	Water	07/09/2025	08:55	X	
25G0321	GW-070825-WT-16	D-9	Water	07/08/2025	08:05	X	
25G0321	GW-070925-WT-25	S-7	Water	07/09/2025	11:55	X	
25G0321	GW-070725-WT-13	S-11	Water	07/07/2025	10:55	X	
25G0321	GW-070725-WT-14	S-14	Water	07/07/2025	12:15	X	
25G0321	GW-070725-WT-11	S-16	Water	07/07/2025	07:45	X	
25G0321	GW-070725-WT-15	S-19	Water	07/07/2025	14:25	X	
25G0321	GW-070925-WT-22	S-20	Water	07/09/2025	07:45	X	
25G0321	GW-070725-WT-12	S-29	Water	07/07/2025	09:15	X	
25G0321	GW-070725-WT-10	-	Water	07/07/2025	06:15	X	Equipment Blank
25G0321	GW-070725-WT-TB	-	Water	07/07/2025	06:15	X	Trip Blank
25G0405	GW-071425-KB-28	CRA-31D	Water	07/14/2025	08:05	X	

Table 1

SGZ Remedy Groundwater Sampling
Tucson International Airport Area Superfund Site
Tucson, Arizona
July and August 2025

Sample Delivery Group	Sample Identification	Location	Matrix	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Analysis/Parameters: TCL VOC	Comments
25G0405	GW-071425-KB-29	CRA-31S	Water	07/14/2025	08:55	X	
25G0405	GW-071125-KB-27	CRA-67D	Water	07/11/2025	12:55	X	
25G0405	GW-071025-KB-26	CRA-67S	Water	07/10/2025	12:15	X	
25G0405	GW-071425-KB-31	D-5	Water	07/14/2025	10:25	X	
25G0405	GW-071425-KB-30	-	Water	07/14/2025	09:35	X	Field Blank
25G0405	GW-071025-KB-TB	-	Water	07/10/2025	12:15	X	Trip Blank
25G0581	GW-071825-KB-45	CRA-7	Water	07/18/2025	07:35	X	
25G0581	GW-071825-KB-47	D-7	Water	07/18/2025	10:15	X	
25G0581	GW-071725-KB-43	S-21	Water	07/17/2025	11:25	X	
25G0581	GW-071725-KB-44	S-21	Water	07/17/2025	11:27	X	Field Duplicate of GW-071725-KB-43
25G0581	GW-071725-KB-41	S-21B	Water	07/17/2025	10:25	X	
25G0581	GW-071725-KB-42	S-21B	Water	07/17/2025	10:27	X	Field Duplicate of GW-071725-KB-41
25G0581	GW-071725-KB-39	S-23	Water	07/17/2025	07:45	X	
25G0581	GW-071825-KB-46	S-26	Water	07/18/2025	08:45	X	
25G0581	GW-071725-KB-40	S-37	Water	07/17/2025	09:15	X	
25G0581	GW-071725-KB-TB	-	Water	07/17/2025	07:45	X	Trip Blank
25G0699	GW-072125-KB-48	CRA-42	Water	07/21/2025	08:55	X	
25G0699	GW-072225-KB-53	CRA-57S	Water	07/22/2025	08:25	X	
25G0699	GW-072225-KB-52	CRA-57D	Water	07/22/2025	07:35	X	
25G0699	GW-072225-KB-56	D-2	Water	07/22/2025	11:05	X	
25G0699	GW-072225-KB-57	D-2	Water	07/22/2025	11:07	X	Field Duplicate of GW-072225-KB-56
25G0699	GW-072125-KB-49	D-8	Water	07/21/2025	10:05	X	
25G0699	GW-072125-KB-50	S-39	Water	07/21/2025	11:05	X	
25G0699	GW-072225-KB-54	S-18	Water	07/22/2025	09:35	X	
25G0699	GW-072225-KB-55	S-18	Water	07/22/2025	09:37	X	Field Duplicate of GW-072225-KB-54
25G0699	GW-072225-KB-51	-	Water	07/22/2025	07:15	X	Field Blank
25G0699	GW-072325-KB-59	-	Water	07/23/2025	08:35	X	Field Blank
25G0699	GW-072125-KB-TB	-	Water	07/21/2025	08:55	X	Trip Blank
25H0028	GW-072925-EH-69	CRA-15	Water	07/29/2025	14:05	X	

Table 1

SGZ Remedy Groundwater Sampling
Tucson International Airport Area Superfund Site
Tucson, Arizona
July and August 2025

Sample Delivery Group	Sample Identification	Location	Matrix	Collection Date (mm/dd/yyyy)	Collection Time (hh:mm)	Analysis/Parameters	Comments
						TCL VOC	
25H0028	GW-073025-EH-71	EW-5	Water	07/30/2025	15:15	X	
25H0028	GW-073125-EH-72	S-13	Water	07/31/2025	09:25	X	
25H0028	GW-072925-EH-70	-	Water	07/29/2025	14:15	X	Field Blank
25H0028	GW-072925-EH-TB	-	Water	07/29/2025	14:05	X	Trip Blank
25H0202	GW-080425-EH-77	CRA-2	Water	08/04/2025	11:15	X	
25H0202	GW-080425-EH-78	CRA-2	Water	08/04/2025	11:17	X	Field Duplicate of GW-080425-EH-77
25H0202	GW-080425-EH-79	CRA-11	Water	08/04/2025	15:45	X	
25H0202	GW-080525-EH-80	CRA-12	Water	08/05/2025	14:25	X	
25H0202	GW-080525-EH-81	CRA-12	Water	08/05/2025	14:27	X	Field Duplicate of GW-080525-EH-80
25H0202	GW-080425-EH-TB	-	Water	08/04/2025	11:15	X	Trip Blank
25H0248	GW-080825-EH-91	SVE-2D	Water	08/08/2025	13:05	X	
25H0417	GW-081125-EH-92	SVE-1D	Water	08/11/2025	10:05	X	
25H0417	GW-081225-EH-98	SVE-3D	Water	08/12/2025	13:55	X	
25H0417	GW-081125-EH-94	SVE-5D	Water	08/11/2025	16:15	X	
25H0417	GW-081225-EH-96	SVE-6D	Water	08/12/2025	10:05	X	
25H0417	GW-081125-EH-93	SVE-7D	Water	08/11/2025	12:35	X	
25H0417	GW-081125-EH-95	-	Water	08/11/2025	16:25	X	Field Blank
25H0417	GW-081225-EH-97	-	Water	08/12/2025	10:15	X	Field Blank
25H0417	GW-081125-EH-TB	-	Water	08/11/2025	10:05	X	Trip Blank

Notes:

TCL - Target Compound List
VOC - Volatile Organic Componds
SGZ - Shallow Groundwater Zone
- - Not applicable

Table 2

Analytical Results Summary
SGZ Remedy Groundwater Sampling
Tucson International Airport Area Superfund Site
Tucson, Arizona
July and August 2025

	Location ID:	**CRA-2**	**CRA-2**	**CRA-5**	**CRA-7**	**CRA-8**	**CRA-9**	**CRA-10**
	Sample Name:	**GW-080425-EH-77**	**GW-080425-EH-78**	**GW-070825-WT-20**	**GW-071825-KB-45**	**GW-070925-WT-24**	**GW-070825-WT-21**	**GW-070825-WT-17**
	Sample Date:	**08/04/2025**	**08/04/2025**	**07/08/2025**	**07/18/2025**	**07/09/2025**	**07/08/2025**	**07/08/2025**
			Duplicate					
Parameters	**Unit**							
Volatile Organic Compounds								
1,1,1-Trichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
1,1-Dichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
1,1-Dichloroethene	µg/L	1.6 J+	1.6	8.7	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
1,2-Dichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
1,2-Dichloropropane	µg/L	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	ND(10)	ND(10)	ND(100)	ND(10)	ND(10)	ND(10)	ND(100)
Acetone	µg/L	ND(10)	ND(10)	ND(100)	ND(10)	ND(10)	ND(10)	ND(100)
Benzene	µg/L	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
Bromodichloromethane	µg/L	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
Bromoform	µg/L	ND(2.0)	ND(2.0)	ND(20)	ND(2.0)	ND(2.0)	ND(2.0)	ND(20)
Carbon tetrachloride	µg/L	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)	0.82	ND(0.50)	ND(5.0)
Chlorobenzene	µg/L	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
Chloroform (Trichloromethane)	µg/L	0.86 J+	0.83	ND(5.0)	0.78	6.0	ND(0.50)	ND(5.0)
Chloromethane (Methyl chloride)	µg/L	ND(1.0)	ND(1.0)	ND(10)	ND(1.0)	ND(1.0)	ND(1.0)	ND(10)
cis-1,2-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
Dibromochloromethane	µg/L	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
Dichlorodifluoromethane (CFC-12)	µg/L	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
Ethylbenzene	µg/L	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
m&p-Xylenes	µg/L	ND(1.0)	ND(1.0)	ND(10)	ND(1.0)	ND(1.0)	ND(1.0)	ND(10)
Methylene chloride	µg/L	ND(1.0)	ND(1.0)	ND(10)	ND(1.0)	ND(1.0)	ND(1.0)	ND(10)
o-Xylene	µg/L	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
Tetrachloroethene	µg/L	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)	1.1	ND(0.50)	ND(5.0)
Toluene	µg/L	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
trans-1,2-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
Trichloroethene	µg/L	32 J+	32	46	7.0	16	49	ND(5.0)
Trichlorofluoromethane (CFC-11)	µg/L	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
Trifluorotrichloroethane (CFC-113)	µg/L	ND(5.0)	ND(5.0)	ND(50)	ND(5.0)	ND(5.0)	ND(5.0)	ND(50)
Trihalomethanes	µg/L	0.86	0.83	ND(20)	0.78	6	ND(2.0)	ND(20)
Vinyl chloride	µg/L	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)

Table 2

Analytical Results Summary
SGZ Remedy Groundwater Sampling
Tucson International Airport Area Superfund Site
Tucson, Arizona
July and August 2025

	Location ID:	**CRA-11**	**CRA-12**	**CRA-12**	**CRA-15**	**CRA-31D**	**CRA-31S**	**CRA-34D**
	Sample Name:	**GW-080425-EH-79**	**GW-080525-EH-80**	**GW-080525-EH-81**	**GW-072925-EH-69**	**GW-071425-KB-28**	**GW-071425-KB-29**	**GW-070825-WT-18**
	Sample Date:	**08/04/2025**	**08/05/2025**	**08/05/2025**	**07/29/2025**	**07/14/2025**	**07/14/2025**	**07/08/2025**
				Duplicate				
Parameters	**Unit**							
Volatile Organic Compounds								
1,1,1-Trichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
1,1-Dichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
1,1-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
1,2-Dichloroethane	µg/L	0.81	0.53	0.53	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
1,2-Dichloropropane	µg/L	1.7	1.1	1.1	2.1	ND(0.50)	ND(0.50)	ND(5.0)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(100)
Acetone	µg/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(100)
Benzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
Bromodichloromethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
Bromoform	µg/L	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(20)
Carbon tetrachloride	µg/L	0.72	ND(0.50)	ND(0.50)	1.5	ND(0.50)	ND(0.50)	ND(5.0)
Chlorobenzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
Chloroform (Trichloromethane)	µg/L	6.3	4.3	4.5	7.5	ND(0.50)	ND(0.50)	ND(5.0)
Chloromethane (Methyl chloride)	µg/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(10)
cis-1,2-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	0.81	ND(0.50)	ND(0.50)	ND(5.0)
Dibromochloromethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
Dichlorodifluoromethane (CFC-12)	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
Ethylbenzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
m&p-Xylenes	µg/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(10)
Methylene chloride	µg/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(10)
o-Xylene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
Tetrachloroethene	µg/L	0.64	1.2	1.3	0.67	ND(0.50)	ND(0.50)	ND(5.0)
Toluene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
trans-1,2-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
Trichloroethene	µg/L	24	18	18	2300 J	ND(0.50)	ND(0.50)	ND(5.0)
Trichlorofluoromethane (CFC-11)	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)
Trifluorotrichloroethane (CFC-113)	µg/L	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(50)
Trihalomethanes	µg/L	6.3	4.3	4.5	7.5	ND(2.0)	ND(2.0)	ND(20)
Vinyl chloride	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)

Table 2

Analytical Results Summary
SGZ Remedy Groundwater Sampling
Tucson International Airport Area Superfund Site
Tucson, Arizona
July and August 2025

	Location ID:	**CRA-34S**	**CRA-42**	**CRA-52D**	**CRA-52D**	**CRA-52S**	**CRA-57D**	**CRA-57S**
	Sample Name:	**GW-070825-WT-19**	**GW-072125-KB-48**	**GW-070125-WT-02**	**GW-070125-WT-03**	**GW-070125-WT-04**	**GW-072225-KB-52**	**GW-072225-KB-53**
	Sample Date:	**07/08/2025**	**07/21/2025**	**07/01/2025**	**07/01/2025**	**07/01/2025**	**07/22/2025**	**07/22/2025**
					Duplicate			
Parameters	**Unit**							
Volatile Organic Compounds								
1,1,1-Trichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)
1,1-Dichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	0.60
1,1-Dichloroethene	µg/L	ND(0.50)	0.75	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	5.3
1,2-Dichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	1.2
1,2-Dichloropropane	µg/L	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	12
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	ND(10)	ND(10)	ND(50)	ND(50)	ND(50)	ND(50)	ND(10)
Acetone	µg/L	ND(10)	ND(10)	ND(50)	ND(50)	ND(50)	ND(50)	ND(10)
Benzene	µg/L	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(2.5)	2.8	ND(0.50)
Bromodichloromethane	µg/L	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)
Bromoform	µg/L	ND(2.0)	ND(2.0)	ND(10)	ND(10)	ND(10)	ND(10)	ND(2.0)
Carbon tetrachloride	µg/L	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)
Chlorobenzene	µg/L	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)
Chloroform (Trichloromethane)	µg/L	ND(0.50)	1.8	ND(2.5)	ND(2.5)	3.1	ND(2.5)	18
Chloromethane (Methyl chloride)	µg/L	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(1.0)
cis-1,2-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	0.66
Dibromochloromethane	µg/L	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)
Dichlorodifluoromethane (CFC-12)	µg/L	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)
Ethylbenzene	µg/L	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)
m&p-Xylenes	µg/L	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(1.0)
Methylene chloride	µg/L	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(1.0)
o-Xylene	µg/L	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)
Tetrachloroethene	µg/L	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)
Toluene	µg/L	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)
trans-1,2-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)
Trichloroethene	µg/L	ND(0.50)	13	460	430	770	120	4.6
Trichlorofluoromethane (CFC-11)	µg/L	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)
Trifluorotrichloroethane (CFC-113)	µg/L	ND(5.0)	ND(5.0)	ND(25)	ND(25)	ND(25)	ND(25)	ND(5.0)
Trihalomethanes	µg/L	ND(2.0)	1.8	ND(10)	ND(10)	3.1	ND(10)	18
Vinyl chloride	µg/L	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(2.5)	ND(2.5)	ND(0.50)

Table 2

Analytical Results Summary
SGZ Remedy Groundwater Sampling
Tucson International Airport Area Superfund Site
Tucson, Arizona
July and August 2025

	Location ID:	**CRA-67D**	**CRA-67S**	**D-2**	**D-2**	**D-4**	**D-5**	**D-7**
	Sample Name:	**GW-071125-KB-27**	**GW-071025-KB-26**	**GW-072225-KB-56**	**GW-072225-KB-57**	**GW-070925-WT-23**	**GW-071425-KB-31**	**GW-071825-KB-47**
	Sample Date:	**07/11/2025**	**07/10/2025**	**07/22/2025**	**07/22/2025**	**07/09/2025**	**07/14/2025**	**07/18/2025**
					Duplicate			
Parameters	**Unit**							
Volatile Organic Compounds								
1,1,1-Trichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethane	µg/L	2.0	ND(0.50)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethene	µg/L	5.4	ND(0.50)	7.3	7.6	ND(0.50)	2.5	0.89
1,2-Dichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)
1,2-Dichloropropane	µg/L	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	ND(10)	ND(10)	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)
Acetone	µg/L	ND(10)	ND(10)	ND(50)	ND(50)	ND(10)	ND(10)	ND(10)
Benzene	µg/L	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)
Bromodichloromethane	µg/L	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)
Bromoform	µg/L	ND(2.0)	ND(2.0)	ND(10)	ND(10)	ND(2.0)	ND(2.0)	ND(2.0)
Carbon tetrachloride	µg/L	0.77	ND(0.50)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)
Chlorobenzene	µg/L	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)
Chloroform (Trichloromethane)	µg/L	1.0	ND(0.50)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)
Chloromethane (Methyl chloride)	µg/L	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	µg/L	1.3	ND(0.50)	2.9	2.8	ND(0.50)	ND(0.50)	ND(0.50)
Dibromochloromethane	µg/L	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)
Dichlorodifluoromethane (CFC-12)	µg/L	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)
Ethylbenzene	µg/L	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)
m&p-Xylenes	µg/L	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.0)	ND(1.0)	ND(1.0)
Methylene chloride	µg/L	ND(1.0)	ND(1.0)	ND(5.0)	ND(5.0)	ND(1.0)	ND(1.0)	ND(1.0)
o-Xylene	µg/L	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)
Tetrachloroethene	µg/L	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)
Toluene	µg/L	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)
trans-1,2-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)
Trichloroethene	µg/L	33	ND(0.50)	55	54	3.5	24	6.4
Trichlorofluoromethane (CFC-11)	µg/L	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)
Trifluorotrichloroethane (CFC-113)	µg/L	ND(5.0)	ND(5.0)	ND(25)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)
Trihalomethanes	µg/L	1	ND(2.0)	ND(10)	ND(10)	ND(2.0)	ND(2.0)	ND(2.0)
Vinyl chloride	µg/L	ND(0.50)	ND(0.50)	ND(2.5)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)

Table 2

Analytical Results Summary
SGZ Remedy Groundwater Sampling
Tucson International Airport Area Superfund Site
Tucson, Arizona
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	Location ID:	**D-8**	**D-9**	**EW-5**	**S-1**	**S-5**	**S-7**	**S-10**
	Sample Name:	**GW-072125-KB-49**	**GW-070825-WT-16**	**GW-073025-EH-71**	**GW-070225-WT-06**	**GW-070325-WT-08**	**GW-070925-WT-25**	**GW-070325-WT-09**
	Sample Date:	**07/21/2025**	**07/08/2025**	**07/30/2025**	**07/02/2025**	**07/03/2025**	**07/09/2025**	**07/03/2025**
Parameters	**Unit**							
Volatile Organic Compounds								
1,1,1-Trichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethene	µg/L	1.3	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	0.74
1,2-Dichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,2-Dichloropropane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	0.56	ND(0.50)	ND(0.50)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
Acetone	µg/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
Benzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Bromodichloromethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Bromoform	µg/L	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
Carbon tetrachloride	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	0.96
Chlorobenzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Chloroform (Trichloromethane)	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	1.6	0.79	ND(0.50)	1.2
Chloromethane (Methyl chloride)	µg/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	µg/L	0.52	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Dibromochloromethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Dichlorodifluoromethane (CFC-12)	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Ethylbenzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
m&p-Xylenes	µg/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Methylene chloride	µg/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
o-Xylene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Tetrachloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	0.83	ND(0.50)	ND(0.50)	ND(0.50)
Toluene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
trans-1,2-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trichloroethene	µg/L	7.3	0.95	5.7	5.6	1.3	ND(0.50)	52
Trichlorofluoromethane (CFC-11)	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trifluorotrichloroethane (CFC-113)	µg/L	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Trihalomethanes	µg/L	ND(2.0)	ND(2.0)	ND(2.0)	1.6	0.79	ND(2.0)	1.2
Vinyl chloride	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

Table 2

Analytical Results Summary
SGZ Remedy Groundwater Sampling
Tucson International Airport Area Superfund Site
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	Location ID:	**S-11**	**S-13**	**S-14**	**S-16**	**S-16B**	**S-18**	**S-18**
	Sample Name:	**GW-070725-WT-13**	**GW-073125-EH-72**	**GW-070725-WT-14**	**GW-070725-WT-11**	**GW-070225-WT-05**	**GW-072225-KB-54**	**GW-072225-KB-55**
	Sample Date:	**07/07/2025**	**07/31/2025**	**07/07/2025**	**07/07/2025**	**07/02/2025**	**07/22/2025**	**07/22/2025**
								Duplicate
Parameters	**Unit**							
Volatile Organic Compounds								
1,1,1-Trichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)	ND(2.5)	ND(2.5)
1,1-Dichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)	ND(2.5)	ND(2.5)
1,1-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)	0.88	ND(2.5)	ND(2.5)
1,2-Dichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)	1.1	ND(2.5)	ND(2.5)
1,2-Dichloropropane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	8.5	8.2	2.9	2.9
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	ND(10)	ND(10)	ND(10)	ND(100)	ND(10)	ND(50)	ND(50)
Acetone	µg/L	ND(10)	ND(10)	ND(10)	ND(100)	ND(10)	ND(50)	ND(50)
Benzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)	ND(2.5)	ND(2.5)
Bromodichloromethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)	ND(2.5)	ND(2.5)
Bromoform	µg/L	ND(2.0)	ND(2.0)	ND(2.0)	ND(20)	ND(2.0)	ND(10)	ND(10)
Carbon tetrachloride	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)	ND(2.5)	ND(2.5)
Chlorobenzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)	ND(2.5)	ND(2.5)
Chloroform (Trichloromethane)	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	32	24	220	220
Chloromethane (Methyl chloride)	µg/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(10)	ND(1.0)	ND(5.0)	ND(5.0)
cis-1,2-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)	0.55	ND(2.5)	ND(2.5)
Dibromochloromethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)	ND(2.5)	ND(2.5)
Dichlorodifluoromethane (CFC-12)	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)	ND(2.5)	ND(2.5)
Ethylbenzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)	ND(2.5)	ND(2.5)
m&p-Xylenes	µg/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(10)	ND(1.0)	ND(5.0)	ND(5.0)
Methylene chloride	µg/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(10)	ND(1.0)	ND(5.0)	ND(5.0)
o-Xylene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)	ND(2.5)	ND(2.5)
Tetrachloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)	0.86	ND(2.5)	ND(2.5)
Toluene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)	ND(2.5)	ND(2.5)
trans-1,2-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)	ND(2.5)	ND(2.5)
Trichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	41	260	19	18
Trichlorofluoromethane (CFC-11)	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)	ND(2.5)	ND(2.5)
Trifluorotrichloroethane (CFC-113)	µg/L	ND(5.0)	ND(5.0)	ND(5.0)	ND(50)	ND(5.0)	ND(25)	ND(25)
Trihalomethanes	µg/L	ND(2.0)	ND(2.0)	ND(2.0)	32	24	220	220
Vinyl chloride	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(5.0)	ND(0.50)	ND(2.5)	ND(2.5)

Table 2

Analytical Results Summary
SGZ Remedy Groundwater Sampling
Tucson International Airport Area Superfund Site
Tucson, Arizona
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	Location ID:	**S-19**	**S-20**	**S-21**	**S-21**	**S-21B**	**S-21B**	**S-23**
	Sample Name:	**GW-070725-WT-15**	**GW-070925-WT-22**	**GW-071725-KB-43**	**GW-071725-KB-44**	**GW-071725-KB-41**	**GW-071725-KB-42**	**GW-071725-KB-39**
	Sample Date:	**07/07/2025**	**07/09/2025**	**07/17/2025**	**07/17/2025**	**07/17/2025**	**07/17/2025**	**07/17/2025**
					Duplicate		**Duplicate**	
Parameters	**Unit**							
Volatile Organic Compounds								
1,1,1-Trichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,2-Dichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,2-Dichloropropane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
Acetone	µg/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
Benzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Bromodichloromethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Bromoform	µg/L	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
Carbon tetrachloride	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Chlorobenzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Chloroform (Trichloromethane)	µg/L	0.64	ND(0.50)	42	44	1.1	1.1	6.9
Chloromethane (Methyl chloride)	µg/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Dibromochloromethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Dichlorodifluoromethane (CFC-12)	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Ethylbenzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
m&p-Xylenes	µg/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Methylene chloride	µg/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
o-Xylene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Tetrachloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Toluene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
trans-1,2-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trichloroethene	µg/L	ND(0.50)	ND(0.50)	0.52	0.52	10	10	2.1
Trichlorofluoromethane (CFC-11)	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trifluorotrichloroethane (CFC-113)	µg/L	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Trihalomethanes	µg/L	0.64	ND(2.0)	42	44	1.1	1.1	6.9
Vinyl chloride	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

Table 2

Analytical Results Summary
SGZ Remedy Groundwater Sampling
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	Location ID:	**S-26**	**S-27**	**S-29**	**S-37**	**S-39**	**SVE-1D**	**SVE-2D**
	Sample Name:	**GW-071825-KB-46**	**GW-070125-WT-01**	**GW-070725-WT-12**	**GW-071725-KB-40**	**GW-072125-KB-50**	**GW-081125-EH-92**	**GW-080825-EH-91**
	Sample Date:	**07/18/2025**	**07/01/2025**	**07/07/2025**	**07/17/2025**	**07/21/2025**	**08/11/2025**	**08/08/2025**
Parameters	**Unit**							
Volatile Organic Compounds								
1,1,1-Trichloroethane	µg/L	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethane	µg/L	0.98	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethene	µg/L	ND(0.50)	6.9	ND(0.50)	0.79	1.0	0.64	ND(0.50)
1,2-Dichloroethane	µg/L	3.3	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,2-Dichloropropane	µg/L	7.2	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	2.1	ND(0.50)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
Acetone	µg/L	ND(10)	ND(50)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
Benzene	µg/L	0.54	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Bromodichloromethane	µg/L	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Bromoform	µg/L	ND(2.0)	ND(10)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
Carbon tetrachloride	µg/L	ND(0.50)	ND(2.5)	2.5	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Chlorobenzene	µg/L	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Chloroform (Trichloromethane)	µg/L	470	2.6	2.3	ND(0.50)	1.8	9.5	ND(0.50)
Chloromethane (Methyl chloride)	µg/L	ND(1.0)	ND(5.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	µg/L	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Dibromochloromethane	µg/L	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Dichlorodifluoromethane (CFC-12)	µg/L	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Ethylbenzene	µg/L	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
m&p-Xylenes	µg/L	ND(1.0)	ND(5.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Methylene chloride	µg/L	1.1	ND(5.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
o-Xylene	µg/L	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Tetrachloroethene	µg/L	0.96	ND(2.5)	1.1	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Toluene	µg/L	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
trans-1,2-Dichloroethene	µg/L	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trichloroethene	µg/L	42	42	7.0	9.2	13	110	8.6
Trichlorofluoromethane (CFC-11)	µg/L	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trifluorotrichloroethane (CFC-113)	µg/L	ND(5.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Trihalomethanes	µg/L	470	2.6	2.3	ND(2.0)	1.8	9.5	ND(2.0)
Vinyl chloride	µg/L	ND(0.50)	ND(2.5)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

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Analytical Results Summary
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	Location ID:	**SVE-3D**	**SVE-5D**	**SVE-6D**	**SVE-7D**	**Equipment Blank**	**Equipment Blank**
	Sample Name:	**GW-081225-EH-98**	**GW-081125-EH-94**	**GW-081225-EH-96**	**GW-081125-EH-93**	**GW-070325-WT-07**	**GW-070725-WT-10**
	Sample Date:	**08/12/2025**	**08/11/2025**	**08/12/2025**	**08/11/2025**	**07/03/2025**	**07/07/2025**
Parameters	**Unit**						
Volatile Organic Compounds							
1,1,1-Trichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	2.9	ND(0.50)	ND(0.50)	ND(0.50)
1,2-Dichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,2-Dichloropropane	µg/L	ND(0.50)	0.89	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
Acetone	µg/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
Benzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Bromodichloromethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Bromoform	µg/L	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
Carbon tetrachloride	µg/L	ND(0.50)	ND(0.50)	1.2	ND(0.50)	ND(0.50)	ND(0.50)
Chlorobenzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Chloroform (Trichloromethane)	µg/L	ND(0.50)	3.3	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Chloromethane (Methyl chloride)	µg/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Dibromochloromethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Dichlorodifluoromethane (CFC-12)	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Ethylbenzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
m&p-Xylenes	µg/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Methylene chloride	µg/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
o-Xylene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Tetrachloroethene	µg/L	ND(0.50)	0.94	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Toluene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
trans-1,2-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trichloroethene	µg/L	4.6	13	7.3	1.3	ND(0.50)	ND(0.50)
Trichlorofluoromethane (CFC-11)	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trifluorotrichloroethane (CFC-113)	µg/L	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Trihalomethanes	µg/L	ND(2.0)	3.3	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
Vinyl chloride	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

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	Location ID:	**Field Blank**	**Field Blank**	**Field Blank**	**Field Blank**	**Field Blank**	**Field Blank**	**Trip Blank**
	Sample Name:	**GW-071425-KB-30**	**GW-072225-KB-51**	**GW-072325-KB-59**	**GW-072925-EH-70**	**GW-081125-EH-95**	**GW-081225-EH-97**	**GW-070225-WT-TB**
	Sample Date:	**07/14/2025**	**07/22/2025**	**07/23/2025**	**07/29/2025**	**08/11/2025**	**08/12/2025**	**07/01/2025**
Parameters	**Unit**							
Volatile Organic Compounds								
1,1,1-Trichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,2-Dichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,2-Dichloropropane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
Acetone	µg/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
Benzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Bromodichloromethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Bromoform	µg/L	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
Carbon tetrachloride	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Chlorobenzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Chloroform (Trichloromethane)	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Chloromethane (Methyl chloride)	µg/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Dibromochloromethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Dichlorodifluoromethane (CFC-12)	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Ethylbenzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
m&p-Xylenes	µg/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Methylene chloride	µg/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
o-Xylene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Tetrachloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Toluene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
trans-1,2-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	8.1	ND(0.50)	ND(0.50)	ND(0.50)
Trichlorofluoromethane (CFC-11)	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trifluorotrichloroethane (CFC-113)	µg/L	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Trihalomethanes	µg/L	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
Vinyl chloride	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

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Analytical Results Summary
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	Location ID:	**Trip Blank**	**Trip Blank**	**Trip Blank**	**Trip Blank**	**Trip Blank**	**Trip Blank**	**Trip Blank**
	Sample Name:	**GW-070725-WT-TB**	**GW-071025-KB-TB**	**GW-071725-KB-TB**	**GW-072125-KB-TB**	**GW-072925-EH-TB**	**GW-080425-EH-TB**	**GW-081125-EH-TB**
	Sample Date:	**07/07/2025**	**07/10/2025**	**07/17/2025**	**07/21/2025**	**07/29/2025**	**08/04/2025**	**08/11/2025**
Parameters	**Unit**							
Volatile Organic Compounds								
1,1,1-Trichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,1-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,2-Dichloroethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
1,2-Dichloropropane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
2-Butanone (Methyl ethyl ketone) (MEK)	µg/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
Acetone	µg/L	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
Benzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Bromodichloromethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Bromoform	µg/L	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
Carbon tetrachloride	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Chlorobenzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Chloroform (Trichloromethane)	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Chloromethane (Methyl chloride)	µg/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
cis-1,2-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Dibromochloromethane	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Dichlorodifluoromethane (CFC-12)	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Ethylbenzene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
m&p-Xylenes	µg/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
Methylene chloride	µg/L	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)
o-Xylene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Tetrachloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Toluene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
trans-1,2-Dichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trichloroethene	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trichlorofluoromethane (CFC-11)	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)
Trifluorotrichloroethane (CFC-113)	µg/L	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)
Trihalomethanes	µg/L	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)
Vinyl chloride	µg/L	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)	ND(0.50)

Notes:

J - Estimated concentration

J+ - Estimated concentration;results may be biased high

ND ( ) - Not detected at the associated reporting limit

Table 3

Analytical Method
SGZ Remedy Groundwater Sampling
Tucson International Airport Area Superfund Site
Tucson, Arizona
July and August 2025

Parameter	Method	Matrix	Holding Time Collection to Analysis (Days)
Volatile Organic Compounds (VOC)	SW-846 8260B	Water	14

Note:

SGZ - Shallow Groundwater Zone

Method Reference:

SW-846 - "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", SW-846, Third Edition, 1986, with subsequent revisions

Table 4

Qualified Sample Data Due to Outlying of Surrogate Recoveries
SGZ Remedy Groundwater Sampling
Tucson International Airport Area Superfund Site
Tucson, Arizona
July and August 2025

Parameter	Sample ID	Surrogate	Surrogate % Recovery	Control Limits % Recovery	Analyte	Qualified Result		Units
Volatile Organic Compounds	GW-080425-EH-77	Dibromofluoromethane	184	70-130	1,1-Dichloroethene	1.6	J+	µg/L
		p-Bromofluorobenzene	182		Chloroform (Trichloromethane)	0.86	J+	µg/L
		Toluene-D8	175		Trichloroethene	32	J+	µg/L

Notes:

J+ - Estimated concentration; results may be biased high
SGZ - Shallow Bedrock Zone

Table 5

Qualified Sample Data Due to Exceedance of Calibration Range
SGZ Remedy Groundwater Sampling
Tucson International Airport Area Superfund Site
Tucson, Arizona
July and August 2025

Parameter	Sample ID	Analyte	Qualified Result	Units
Volatile Organic Compounds	GW-072925-EH-69	Trichloroethene	2300 J	µg/L

Notes:

J - Estimated concentration
SGZ - Shallow Bedrock Zone

Appendix E

Certified Analytical Laboratory Reports

July 28, 2025

Justin Berkompas
GHD Services, Inc. - Tucson
6700 N. Oracle Rd. Suite 238
Tucson, AZ 85704

TEL (520) 203-0701
FAX

Work Order No.: 25G0321
Order Name: TIA Routine Op
12619196.5.5.7

RE: TIA Routine Op

Dear Justin Berkompas,

Turner Laboratories, Inc. received 17 sample(s) on 07/09/2025 for the analyses presented in the following report.

All results are intended to be considered in their entirety, and Turner Laboratories, Inc. is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Samples will be disposed of 30 days after issue of our report unless special arrangements are made.

The pages that follow may contain sensitive, privileged or confidential information intended solely for the addressee named above. If you receive this message and are not the agent or employee of the addressee, this communication has been sent in error. Please do not disseminate or copy any of the attached and notify the sender immediately by telephone. Please also return the attached sheet(s) to the sender by mail.

Please call if you have any questions.

Respectfully submitted,

Turner Laboratories, Inc.
ADHS License AZ0066

Elizabeth Kasik
Laboratory Director

Turner Laboratories, Inc.

Date: 07/28/2025

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25G0321
Date Received: 07/09/2025

Order: TIA Routine Op 12619196.5.5.7

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date/Time
25G0321-01	GW-070725-WT-TB	Trip Blank	07/07/2025 0615
25G0321-02	GW-070725-WT-10	Ground Water	07/07/2025 0615
25G0321-03	GW-070725-WT-11	Ground Water	07/07/2025 0745
25G0321-04	GW-070725-WT-12	Ground Water	07/07/2025 0915
25G0321-05	GW-070725-WT-13	Ground Water	07/07/2025 1055
25G0321-06	GW-070725-WT-14	Ground Water	07/07/2025 1215
25G0321-07	GW-070725-WT-15	Ground Water	07/07/2025 1425
25G0321-08	GW-070825-WT-16	Ground Water	07/08/2025 0805
25G0321-09	GW-070825-WT-17	Ground Water	07/08/2025 0905
25G0321-10	GW-070825-WT-18	Ground Water	07/08/2025 1035
25G0321-11	GW-070825-WT-19	Ground Water	07/08/2025 1125
25G0321-12	GW-070825-WT-20	Ground Water	07/08/2025 1135
25G0321-13	GW-070825-WT-21	Ground Water	07/08/2025 1355
25G0321-14	GW-070925-WT-22	Ground Water	07/09/2025 0745
25G0321-15	GW-070925-WT-23	Ground Water	07/09/2025 0855
25G0321-16	GW-070925-WT-24	Ground Water	07/09/2025 1015
25G0321-17	GW-070925-WT-25	Ground Water	07/09/2025 1155

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25G0321
Date Received: 07/09/2025

Case Narrative

The Internal Standard, Pentafluorobenzene, recovered low (491516) amd outside of the 1518172-506057 limits in the original run. The sample was re-run outside of holdin time to confirm the intital run.

C4	Confirmatory analysis was past holding time
E7	Concentration estimated. Internal standard recoveries did not meet laboratory acceptance criteria.
M1	Matrix spike recovery was high; the associated LCS/LCSD was acceptable.
S10	Surrogate recovery was above laboratory and method acceptance limits. See case narrative.
V1	CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.

All soil, sludge, and solid matrix determinations are reported on a wet weight basis unless otherwise noted.

ND	Not Detected at or above the PQL
PQL	Practical Quantitation Limit
DF	Dilution Factor

Turner Laboratories, Inc.

Date: 07/28/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-070725-WT-TB
Project:	TIA Routine Op	**Collection Date/Time:**	07/07/2025 0615
Work Order:	25G0321	**Matrix:**	Trip Blank
Lab Sample ID:	25G0321-01	**Order Name:**	TIA Routine Op 12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 1547	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/10/2025 0800	07/10/2025 1547	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 1547	PB
1,1-Dichloroethene	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 1547	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 1547	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 1547	PB
2-Butanone (MEK)	ND	10		ug/L	1	07/10/2025 0800	07/10/2025 1547	PB
Acetone	ND	10		ug/L	1	07/10/2025 0800	07/10/2025 1547	PB
Benzene	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 1547	PB
Bromodichloromethane	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 1547	PB
Bromoform	ND	2.0		ug/L	1	07/10/2025 0800	07/10/2025 1547	PB
Carbon tetrachloride	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 1547	PB
Chlorobenzene	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 1547	PB
Chloroform	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 1547	PB
Chloromethane	ND	1.0		ug/L	1	07/10/2025 0800	07/10/2025 1547	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 1547	PB
Dibromochloromethane	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 1547	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 1547	PB
Ethylbenzene	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 1547	PB
m,p-Xylene	ND	1.0		ug/L	1	07/10/2025 0800	07/10/2025 1547	PB
Methylene chloride	ND	1.0		ug/L	1	07/10/2025 0800	07/10/2025 1547	PB
o-Xylene	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 1547	PB
Tetrachloroethene	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 1547	PB
Toluene	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 1547	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 1547	PB
Trichloroethene	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 1547	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 1547	PB
Vinyl chloride	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 1547	PB
Surr: 4-Bromofluorobenzene	*119*	*70-130*		*%REC*	*1*	*07/10/2025 0800*	*07/10/2025 1547*	*PB*
Surr: Dibromofluoromethane	*105*	*70-130*		*%REC*	*1*	*07/10/2025 0800*	*07/10/2025 1547*	*PB*
Surr: Toluene-d8	*105*	*70-130*		*%REC*	*1*	*07/10/2025 0800*	*07/10/2025 1547*	*PB*

Turner Laboratories, Inc.

Date: 07/28/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-070725-WT-10
Project:	TIA Routine Op	**Collection Date/Time:**	07/07/2025 0615
Work Order:	25G0321	**Matrix:**	Ground Water
Lab Sample ID:	25G0321-02	**Order Name:**	TIA Routine Op 12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 1435	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/10/2025 0800	07/10/2025 1435	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 1435	PB
1,1-Dichloroethene	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 1435	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 1435	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 1435	PB
2-Butanone (MEK)	ND	10		ug/L	1	07/10/2025 0800	07/10/2025 1435	PB
Acetone	ND	10		ug/L	1	07/10/2025 0800	07/10/2025 1435	PB
Benzene	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 1435	PB
Bromodichloromethane	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 1435	PB
Bromoform	ND	2.0		ug/L	1	07/10/2025 0800	07/10/2025 1435	PB
Carbon tetrachloride	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 1435	PB
Chlorobenzene	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 1435	PB
Chloroform	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 1435	PB
Chloromethane	ND	1.0		ug/L	1	07/10/2025 0800	07/10/2025 1435	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 1435	PB
Dibromochloromethane	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 1435	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 1435	PB
Ethylbenzene	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 1435	PB
m,p-Xylene	ND	1.0		ug/L	1	07/10/2025 0800	07/10/2025 1435	PB
Methylene chloride	ND	1.0		ug/L	1	07/10/2025 0800	07/10/2025 1435	PB
o-Xylene	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 1435	PB
Tetrachloroethene	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 1435	PB
Toluene	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 1435	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 1435	PB
Trichloroethene	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 1435	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 1435	PB
Vinyl chloride	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 1435	PB
Surr: 4-Bromofluorobenzene	*119*	*70-130*		*%REC*	*1*	*07/10/2025 0800*	*07/10/2025 1435*	*PB*
Surr: Dibromofluoromethane	*100*	*70-130*		*%REC*	*1*	*07/10/2025 0800*	*07/10/2025 1435*	*PB*
Surr: Toluene-d8	*103*	*70-130*		*%REC*	*1*	*07/10/2025 0800*	*07/10/2025 1435*	*PB*

Turner Laboratories, Inc.

Date: 07/28/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-070725-WT-11
Project:	TIA Routine Op	**Collection Date/Time:**	07/07/2025 0745
Work Order:	25G0321	**Matrix:**	Ground Water
Lab Sample ID:	25G0321-03	**Order Name:**	TIA Routine Op 12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	5.0		ug/L	10	07/10/2025 0800	07/10/2025 2003	PB
1,1,2-Trichlorotrifluoroethane	ND	50		ug/L	10	07/10/2025 0800	07/10/2025 2003	PB
1,1-Dichloroethane	ND	5.0		ug/L	10	07/10/2025 0800	07/10/2025 2003	PB
1,1-Dichloroethene	ND	5.0		ug/L	10	07/10/2025 0800	07/10/2025 2003	PB
1,2-Dichloroethane	ND	5.0		ug/L	10	07/10/2025 0800	07/10/2025 2003	PB
1,2-Dichloropropane	8.5	5.0		ug/L	10	07/10/2025 0800	07/10/2025 2003	PB
2-Butanone (MEK)	ND	100		ug/L	10	07/10/2025 0800	07/10/2025 2003	PB
Acetone	ND	100		ug/L	10	07/10/2025 0800	07/10/2025 2003	PB
Benzene	ND	5.0		ug/L	10	07/10/2025 0800	07/10/2025 2003	PB
Bromodichloromethane	ND	5.0		ug/L	10	07/10/2025 0800	07/10/2025 2003	PB
Bromoform	ND	20		ug/L	10	07/10/2025 0800	07/10/2025 2003	PB
Carbon tetrachloride	ND	5.0		ug/L	10	07/10/2025 0800	07/10/2025 2003	PB
Chlorobenzene	ND	5.0		ug/L	10	07/10/2025 0800	07/10/2025 2003	PB
Chloroform	32	5.0		ug/L	10	07/10/2025 0800	07/10/2025 2003	PB
Chloromethane	ND	10		ug/L	10	07/10/2025 0800	07/10/2025 2003	PB
cis-1,2-Dichloroethene	ND	5.0		ug/L	10	07/10/2025 0800	07/10/2025 2003	PB
Dibromochloromethane	ND	5.0		ug/L	10	07/10/2025 0800	07/10/2025 2003	PB
Dichlorodifluoromethane	ND	5.0		ug/L	10	07/10/2025 0800	07/10/2025 2003	PB
Ethylbenzene	ND	5.0		ug/L	10	07/10/2025 0800	07/10/2025 2003	PB
m,p-Xylene	ND	10		ug/L	10	07/10/2025 0800	07/10/2025 2003	PB
Methylene chloride	ND	10		ug/L	10	07/10/2025 0800	07/10/2025 2003	PB
o-Xylene	ND	5.0		ug/L	10	07/10/2025 0800	07/10/2025 2003	PB
Tetrachloroethene	ND	5.0		ug/L	10	07/10/2025 0800	07/10/2025 2003	PB
Toluene	ND	5.0		ug/L	10	07/10/2025 0800	07/10/2025 2003	PB
trans-1,2-Dichloroethene	ND	5.0		ug/L	10	07/10/2025 0800	07/10/2025 2003	PB
Trichloroethene	41	5.0		ug/L	10	07/10/2025 0800	07/10/2025 2003	PB
Trichlorofluoromethane	ND	5.0		ug/L	10	07/10/2025 0800	07/10/2025 2003	PB
Vinyl chloride	ND	5.0		ug/L	10	07/10/2025 0800	07/10/2025 2003	PB
Surr: 4-Bromofluorobenzene	*120*	*70-130*		*%REC*	*1*	*07/10/2025 0800*	*07/10/2025 2003*	*PB*
Surr: Dibromofluoromethane	*112*	*70-130*		*%REC*	*1*	*07/10/2025 0800*	*07/10/2025 2003*	*PB*
Surr: Toluene-d8	*105*	*70-130*		*%REC*	*1*	*07/10/2025 0800*	*07/10/2025 2003*	*PB*

Turner Laboratories, Inc.

Date: 07/28/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-070725-WT-12
Project:	TIA Routine Op	**Collection Date/Time:**	07/07/2025 0915
Work Order:	25G0321	**Matrix:**	Ground Water
Lab Sample ID:	25G0321-04	**Order Name:**	TIA Routine Op 12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 2040	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/10/2025 0800	07/10/2025 2040	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 2040	PB
1,1-Dichloroethene	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 2040	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 2040	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 2040	PB
2-Butanone (MEK)	ND	10		ug/L	1	07/10/2025 0800	07/10/2025 2040	PB
Acetone	ND	10		ug/L	1	07/10/2025 0800	07/10/2025 2040	PB
Benzene	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 2040	PB
Bromodichloromethane	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 2040	PB
Bromoform	ND	2.0		ug/L	1	07/10/2025 0800	07/10/2025 2040	PB
Carbon tetrachloride	2.5	0.50		ug/L	1	07/10/2025 0800	07/10/2025 2040	PB
Chlorobenzene	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 2040	PB
Chloroform	2.3	0.50		ug/L	1	07/10/2025 0800	07/10/2025 2040	PB
Chloromethane	ND	1.0		ug/L	1	07/10/2025 0800	07/10/2025 2040	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 2040	PB
Dibromochloromethane	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 2040	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 2040	PB
Ethylbenzene	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 2040	PB
m,p-Xylene	ND	1.0		ug/L	1	07/10/2025 0800	07/10/2025 2040	PB
Methylene chloride	ND	1.0		ug/L	1	07/10/2025 0800	07/10/2025 2040	PB
o-Xylene	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 2040	PB
Tetrachloroethene	1.1	0.50		ug/L	1	07/10/2025 0800	07/10/2025 2040	PB
Toluene	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 2040	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 2040	PB
Trichloroethene	7.0	0.50		ug/L	1	07/10/2025 0800	07/10/2025 2040	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 2040	PB
Vinyl chloride	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 2040	PB
Surr: 4-Bromofluorobenzene	*116*	*70-130*		*%REC*	*1*	*07/10/2025 0800*	*07/10/2025 2040*	*PB*
Surr: Dibromofluoromethane	*108*	*70-130*		*%REC*	*1*	*07/10/2025 0800*	*07/10/2025 2040*	*PB*
Surr: Toluene-d8	*101*	*70-130*		*%REC*	*1*	*07/10/2025 0800*	*07/10/2025 2040*	*PB*

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Date: 07/28/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-070725-WT-13
Project:	TIA Routine Op	**Collection Date/Time:**	07/07/2025 1055
Work Order:	25G0321	**Matrix:**	Ground Water
Lab Sample ID:	25G0321-05	**Order Name:**	TIA Routine Op 12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 2343	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/10/2025 0800	07/10/2025 2343	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 2343	PB
1,1-Dichloroethene	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 2343	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 2343	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 2343	PB
2-Butanone (MEK)	ND	10		ug/L	1	07/10/2025 0800	07/10/2025 2343	PB
Acetone	ND	10		ug/L	1	07/10/2025 0800	07/10/2025 2343	PB
Benzene	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 2343	PB
Bromodichloromethane	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 2343	PB
Bromoform	ND	2.0		ug/L	1	07/10/2025 0800	07/10/2025 2343	PB
Carbon tetrachloride	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 2343	PB
Chlorobenzene	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 2343	PB
Chloroform	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 2343	PB
Chloromethane	ND	1.0		ug/L	1	07/10/2025 0800	07/10/2025 2343	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 2343	PB
Dibromochloromethane	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 2343	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 2343	PB
Ethylbenzene	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 2343	PB
m,p-Xylene	ND	1.0		ug/L	1	07/10/2025 0800	07/10/2025 2343	PB
Methylene chloride	ND	1.0		ug/L	1	07/10/2025 0800	07/10/2025 2343	PB
o-Xylene	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 2343	PB
Tetrachloroethene	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 2343	PB
Toluene	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 2343	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 2343	PB
Trichloroethene	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 2343	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 2343	PB
Vinyl chloride	ND	0.50		ug/L	1	07/10/2025 0800	07/10/2025 2343	PB
Surr: 4-Bromofluorobenzene	*115*	*70-130*		*%REC*	*1*	*07/10/2025 0800*	*07/10/2025 2343*	*PB*
Surr: Dibromofluoromethane	*111*	*70-130*		*%REC*	*1*	*07/10/2025 0800*	*07/10/2025 2343*	*PB*
Surr: Toluene-d8	*101*	*70-130*		*%REC*	*1*	*07/10/2025 0800*	*07/10/2025 2343*	*PB*

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Date: 07/28/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-070725-WT-14
Project:	TIA Routine Op	**Collection Date/Time:**	07/07/2025 1215
Work Order:	25G0321	**Matrix:**	Ground Water
Lab Sample ID:	25G0321-06	**Order Name:**	TIA Routine Op 12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0020	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/10/2025 0800	07/11/2025 0020	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0020	PB
1,1-Dichloroethene	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0020	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0020	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0020	PB
2-Butanone (MEK)	ND	10		ug/L	1	07/10/2025 0800	07/11/2025 0020	PB
Acetone	ND	10		ug/L	1	07/10/2025 0800	07/11/2025 0020	PB
Benzene	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0020	PB
Bromodichloromethane	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0020	PB
Bromoform	ND	2.0		ug/L	1	07/10/2025 0800	07/11/2025 0020	PB
Carbon tetrachloride	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0020	PB
Chlorobenzene	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0020	PB
Chloroform	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0020	PB
Chloromethane	ND	1.0		ug/L	1	07/10/2025 0800	07/11/2025 0020	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0020	PB
Dibromochloromethane	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0020	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0020	PB
Ethylbenzene	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0020	PB
m,p-Xylene	ND	1.0		ug/L	1	07/10/2025 0800	07/11/2025 0020	PB
Methylene chloride	ND	1.0		ug/L	1	07/10/2025 0800	07/11/2025 0020	PB
o-Xylene	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0020	PB
Tetrachloroethene	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0020	PB
Toluene	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0020	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0020	PB
Trichloroethene	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0020	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0020	PB
Vinyl chloride	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0020	PB
Surr: 4-Bromofluorobenzene	*117*	*70-130*		*%REC*	*1*	*07/10/2025 0800*	*07/11/2025 020*	*PB*
Surr: Dibromofluoromethane	*110*	*70-130*		*%REC*	*1*	*07/10/2025 0800*	*07/11/2025 020*	*PB*
Surr: Toluene-d8	*103*	*70-130*		*%REC*	*1*	*07/10/2025 0800*	*07/11/2025 020*	*PB*

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Date: 07/28/2025

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25G0321
Lab Sample ID: 25G0321-07

Client Sample ID: GW-070725-WT-15
Collection Date/Time: 07/07/2025 1425
Matrix: Ground Water
Order Name: TIA Routine Op 12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0056	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/10/2025 0800	07/11/2025 0056	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0056	PB
1,1-Dichloroethene	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0056	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0056	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0056	PB
2-Butanone (MEK)	ND	10		ug/L	1	07/10/2025 0800	07/11/2025 0056	PB
Acetone	ND	10		ug/L	1	07/10/2025 0800	07/11/2025 0056	PB
Benzene	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0056	PB
Bromodichloromethane	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0056	PB
Bromoform	ND	2.0		ug/L	1	07/10/2025 0800	07/11/2025 0056	PB
Carbon tetrachloride	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0056	PB
Chlorobenzene	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0056	PB
Chloroform	0.64	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0056	PB
Chloromethane	ND	1.0		ug/L	1	07/10/2025 0800	07/11/2025 0056	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0056	PB
Dibromochloromethane	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0056	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0056	PB
Ethylbenzene	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0056	PB
m,p-Xylene	ND	1.0		ug/L	1	07/10/2025 0800	07/11/2025 0056	PB
Methylene chloride	ND	1.0		ug/L	1	07/10/2025 0800	07/11/2025 0056	PB
o-Xylene	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0056	PB
Tetrachloroethene	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0056	PB
Toluene	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0056	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0056	PB
Trichloroethene	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0056	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0056	PB
Vinyl chloride	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0056	PB
Surr: 4-Bromofluorobenzene	*118*	*70-130*		*%REC*	*1*	*07/10/2025 0800*	*07/11/2025 056*	*PB*
Surr: Dibromofluoromethane	*108*	*70-130*		*%REC*	*1*	*07/10/2025 0800*	*07/11/2025 056*	*PB*
Surr: Toluene-d8	*101*	*70-130*		*%REC*	*1*	*07/10/2025 0800*	*07/11/2025 056*	*PB*

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Date: 07/28/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-070825-WT-16
Project:	TIA Routine Op	**Collection Date/Time:**	07/08/2025 0805
Work Order:	25G0321	**Matrix:**	Ground Water
Lab Sample ID:	25G0321-08	**Order Name:**	TIA Routine Op 12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0132	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/10/2025 0800	07/11/2025 0132	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0132	PB
1,1-Dichloroethene	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0132	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0132	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0132	PB
2-Butanone (MEK)	ND	10		ug/L	1	07/10/2025 0800	07/11/2025 0132	PB
Acetone	ND	10		ug/L	1	07/10/2025 0800	07/11/2025 0132	PB
Benzene	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0132	PB
Bromodichloromethane	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0132	PB
Bromoform	ND	2.0		ug/L	1	07/10/2025 0800	07/11/2025 0132	PB
Carbon tetrachloride	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0132	PB
Chlorobenzene	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0132	PB
Chloroform	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0132	PB
Chloromethane	ND	1.0		ug/L	1	07/10/2025 0800	07/11/2025 0132	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0132	PB
Dibromochloromethane	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0132	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0132	PB
Ethylbenzene	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0132	PB
m,p-Xylene	ND	1.0		ug/L	1	07/10/2025 0800	07/11/2025 0132	PB
Methylene chloride	ND	1.0		ug/L	1	07/10/2025 0800	07/11/2025 0132	PB
o-Xylene	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0132	PB
Tetrachloroethene	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0132	PB
Toluene	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0132	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0132	PB
Trichloroethene	0.95	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0132	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0132	PB
Vinyl chloride	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0132	PB
Surr: 4-Bromofluorobenzene	*117*	*70-130*		*%REC*	*1*	*07/10/2025 0800*	*07/11/2025 132*	*PB*
Surr: Dibromofluoromethane	*113*	*70-130*		*%REC*	*1*	*07/10/2025 0800*	*07/11/2025 132*	*PB*
Surr: Toluene-d8	*102*	*70-130*		*%REC*	*1*	*07/10/2025 0800*	*07/11/2025 132*	*PB*

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Date: 07/28/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-070825-WT-17
Project:	TIA Routine Op	**Collection Date/Time:**	07/08/2025 0905
Work Order:	25G0321	**Matrix:**	Ground Water
Lab Sample ID:	25G0321-09	**Order Name:**	TIA Routine Op 12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0209	PB
1,1,2-Trichlorotrifluoroethane	ND	50		ug/L	10	07/10/2025 0800	07/11/2025 0209	PB
1,1-Dichloroethane	ND	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0209	PB
1,1-Dichloroethene	ND	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0209	PB
1,2-Dichloroethane	ND	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0209	PB
1,2-Dichloropropane	ND	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0209	PB
2-Butanone (MEK)	ND	100		ug/L	10	07/10/2025 0800	07/11/2025 0209	PB
Acetone	ND	100		ug/L	10	07/10/2025 0800	07/11/2025 0209	PB
Benzene	ND	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0209	PB
Bromodichloromethane	ND	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0209	PB
Bromoform	ND	20		ug/L	10	07/10/2025 0800	07/11/2025 0209	PB
Carbon tetrachloride	ND	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0209	PB
Chlorobenzene	ND	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0209	PB
Chloroform	ND	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0209	PB
Chloromethane	ND	10		ug/L	10	07/10/2025 0800	07/11/2025 0209	PB
cis-1,2-Dichloroethene	ND	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0209	PB
Dibromochloromethane	ND	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0209	PB
Dichlorodifluoromethane	ND	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0209	PB
Ethylbenzene	ND	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0209	PB
m,p-Xylene	ND	10		ug/L	10	07/10/2025 0800	07/11/2025 0209	PB
Methylene chloride	ND	10		ug/L	10	07/10/2025 0800	07/11/2025 0209	PB
o-Xylene	ND	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0209	PB
Tetrachloroethene	ND	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0209	PB
Toluene	ND	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0209	PB
trans-1,2-Dichloroethene	ND	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0209	PB
Trichloroethene	ND	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0209	PB
Trichlorofluoromethane	ND	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0209	PB
Vinyl chloride	ND	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0209	PB
Surr: 4-Bromofluorobenzene	*116*	*70-130*		*%REC*	*1*	*07/10/2025 0800*	*07/11/2025 209*	*PB*
Surr: Dibromofluoromethane	*117*	*70-130*		*%REC*	*1*	*07/10/2025 0800*	*07/11/2025 209*	*PB*
Surr: Toluene-d8	*100*	*70-130*		*%REC*	*1*	*07/10/2025 0800*	*07/11/2025 209*	*PB*

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Date: 07/28/2025

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25G0321
Lab Sample ID: 25G0321-10

Client Sample ID: GW-070825-WT-18
Collection Date/Time: 07/08/2025 1035
Matrix: Ground Water
Order Name: TIA Routine Op 12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	5.0	C4	ug/L	10	07/10/2025 0800	07/23/2025 1721	PB
1,1,1-Trichloroethane	ND	5.0	E7	ug/L	10	07/10/2025 0800	07/11/2025 0245	PB
1,1,2-Trichlorotrifluoroethane	ND	50	C4	ug/L	10	07/10/2025 0800	07/23/2025 1721	PB
1,1,2-Trichlorotrifluoroethane	ND	50	E7	ug/L	10	07/10/2025 0800	07/11/2025 0245	PB
1,1-Dichloroethane	ND	5.0	C4	ug/L	10	07/10/2025 0800	07/23/2025 1721	PB
1,1-Dichloroethane	ND	5.0	E7	ug/L	10	07/10/2025 0800	07/11/2025 0245	PB
1,1-Dichloroethene	ND	5.0	C4	ug/L	10	07/10/2025 0800	07/23/2025 1721	PB
1,1-Dichloroethene	ND	5.0	E7	ug/L	10	07/10/2025 0800	07/11/2025 0245	PB
1,2-Dichloroethane	ND	5.0	C4	ug/L	10	07/10/2025 0800	07/23/2025 1721	PB
1,2-Dichloroethane	ND	5.0	E7	ug/L	10	07/10/2025 0800	07/11/2025 0245	PB
1,2-Dichloropropane	ND	5.0	C4	ug/L	10	07/10/2025 0800	07/23/2025 1721	PB
1,2-Dichloropropane	ND	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0245	PB
2-Butanone (MEK)	ND	100	C4	ug/L	10	07/10/2025 0800	07/23/2025 1721	PB
2-Butanone (MEK)	ND	100	E7	ug/L	10	07/10/2025 0800	07/11/2025 0245	PB
Acetone	ND	100	C4	ug/L	10	07/10/2025 0800	07/23/2025 1721	PB
Acetone	ND	100	E7	ug/L	10	07/10/2025 0800	07/11/2025 0245	PB
Benzene	ND	5.0	C4	ug/L	10	07/10/2025 0800	07/23/2025 1721	PB
Benzene	ND	5.0	E7	ug/L	10	07/10/2025 0800	07/11/2025 0245	PB
Bromodichloromethane	ND	5.0	C4	ug/L	10	07/10/2025 0800	07/23/2025 1721	PB
Bromodichloromethane	ND	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0245	PB
Bromoform	ND	20	C4	ug/L	10	07/10/2025 0800	07/23/2025 1721	PB
Bromoform	ND	20		ug/L	10	07/10/2025 0800	07/11/2025 0245	PB
Carbon tetrachloride	ND	5.0	C4	ug/L	10	07/10/2025 0800	07/23/2025 1721	PB
Carbon tetrachloride	ND	5.0	E7	ug/L	10	07/10/2025 0800	07/11/2025 0245	PB
Chlorobenzene	ND	5.0	C4	ug/L	10	07/10/2025 0800	07/23/2025 1721	PB
Chlorobenzene	ND	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0245	PB
Chloroform	ND	5.0	C4	ug/L	10	07/10/2025 0800	07/23/2025 1721	PB
Chloroform	ND	5.0	E7	ug/L	10	07/10/2025 0800	07/11/2025 0245	PB
Chloromethane	ND	10	C4	ug/L	10	07/10/2025 0800	07/23/2025 1721	PB
Chloromethane	ND	10	E7	ug/L	10	07/10/2025 0800	07/11/2025 0245	PB
cis-1,2-Dichloroethene	ND	5.0	C4	ug/L	10	07/10/2025 0800	07/23/2025 1721	PB
cis-1,2-Dichloroethene	ND	5.0	E7	ug/L	10	07/10/2025 0800	07/11/2025 0245	PB
Dibromochloromethane	ND	5.0	C4	ug/L	10	07/10/2025 0800	07/23/2025 1721	PB
Dibromochloromethane	ND	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0245	PB
Dichlorodifluoromethane	ND	5.0	C4	ug/L	10	07/10/2025 0800	07/23/2025 1721	PB
Dichlorodifluoromethane	ND	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0245	PB
Ethylbenzene	ND	5.0	C4	ug/L	10	07/10/2025 0800	07/23/2025 1721	PB
Ethylbenzene	ND	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0245	PB
m,p-Xylene	ND	10	C4	ug/L	10	07/10/2025 0800	07/23/2025 1721	PB
m,p-Xylene	ND	10		ug/L	10	07/10/2025 0800	07/11/2025 0245	PB
Methylene chloride	ND	10	C4	ug/L	10	07/10/2025 0800	07/23/2025 1721	PB

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Date: 07/28/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-070825-WT-18
Project:	TIA Routine Op	**Collection Date/Time:**	07/08/2025 1035
Work Order:	25G0321	**Matrix:**	Ground Water
Lab Sample ID:	25G0321-10	**Order Name:**	TIA Routine Op 12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Methylene chloride	ND	10	E7	ug/L	10	07/10/2025 0800	07/11/2025 0245	PB
o-Xylene	ND	5.0	C4	ug/L	10	07/10/2025 0800	07/23/2025 1721	PB
o-Xylene	ND	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0245	PB
Tetrachloroethene	ND	5.0	C4	ug/L	10	07/10/2025 0800	07/23/2025 1721	PB
Tetrachloroethene	ND	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0245	PB
Toluene	ND	5.0	C4	ug/L	10	07/10/2025 0800	07/23/2025 1721	PB
Toluene	ND	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0245	PB
trans-1,2-Dichloroethene	ND	5.0	C4	ug/L	10	07/10/2025 0800	07/23/2025 1721	PB
trans-1,2-Dichloroethene	ND	5.0	E7	ug/L	10	07/10/2025 0800	07/11/2025 0245	PB
Trichloroethene	ND	5.0	C4	ug/L	10	07/10/2025 0800	07/23/2025 1721	PB
Trichloroethene	ND	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0245	PB
Trichlorofluoromethane	ND	5.0	C4	ug/L	10	07/10/2025 0800	07/23/2025 1721	PB
Trichlorofluoromethane	ND	5.0	E7	ug/L	10	07/10/2025 0800	07/11/2025 0245	PB
Vinyl chloride	ND	5.0	C4	ug/L	10	07/10/2025 0800	07/23/2025 1721	PB
Vinyl chloride	ND	5.0	E7	ug/L	10	07/10/2025 0800	07/11/2025 0245	PB
Surr: 4-Bromofluorobenzene	*101*	*70-130*		*%REC*	*1*	*07/10/2025 0800*	*07/23/2025 1721*	*PB*
Surr: 4-Bromofluorobenzene	*121*	*70-130*		*%REC*	*1*	*07/10/2025 0800*	*07/11/2025 245*	*PB*
Surr: Dibromofluoromethane	*98*	*70-130*		*%REC*	*1*	*07/10/2025 0800*	*07/23/2025 1721*	*PB*
Surr: Dibromofluoromethane	*123*	*70-130*		*%REC*	*1*	*07/10/2025 0800*	*07/11/2025 245*	*PB*
Surr: Toluene-d8	*85*	*70-130*		*%REC*	*1*	*07/10/2025 0800*	*07/23/2025 1721*	*PB*
Surr: Toluene-d8	*100*	*70-130*		*%REC*	*1*	*07/10/2025 0800*	*07/11/2025 245*	*PB*

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Date: 07/28/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-070825-WT-19
Project:	TIA Routine Op	**Collection Date/Time:**	07/08/2025 1125
Work Order:	25G0321	**Matrix:**	Ground Water
Lab Sample ID:	25G0321-11	**Order Name:**	TIA Routine Op 12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0321	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/10/2025 0800	07/11/2025 0321	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0321	PB
1,1-Dichloroethene	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0321	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0321	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0321	PB
2-Butanone (MEK)	ND	10		ug/L	1	07/10/2025 0800	07/11/2025 0321	PB
Acetone	ND	10		ug/L	1	07/10/2025 0800	07/11/2025 0321	PB
Benzene	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0321	PB
Bromodichloromethane	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0321	PB
Bromoform	ND	2.0		ug/L	1	07/10/2025 0800	07/11/2025 0321	PB
Carbon tetrachloride	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0321	PB
Chlorobenzene	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0321	PB
Chloroform	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0321	PB
Chloromethane	ND	1.0		ug/L	1	07/10/2025 0800	07/11/2025 0321	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0321	PB
Dibromochloromethane	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0321	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0321	PB
Ethylbenzene	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0321	PB
m,p-Xylene	ND	1.0		ug/L	1	07/10/2025 0800	07/11/2025 0321	PB
Methylene chloride	ND	1.0		ug/L	1	07/10/2025 0800	07/11/2025 0321	PB
o-Xylene	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0321	PB
Tetrachloroethene	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0321	PB
Toluene	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0321	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0321	PB
Trichloroethene	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0321	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0321	PB
Vinyl chloride	ND	0.50		ug/L	1	07/10/2025 0800	07/11/2025 0321	PB
Surr: 4-Bromofluorobenzene	*120*	*70-130*		*%REC*	*1*	*07/10/2025 0800*	*07/11/2025 321*	*PB*
Surr: Dibromofluoromethane	*114*	*70-130*		*%REC*	*1*	*07/10/2025 0800*	*07/11/2025 321*	*PB*
Surr: Toluene-d8	*103*	*70-130*		*%REC*	*1*	*07/10/2025 0800*	*07/11/2025 321*	*PB*

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Date: 07/28/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-070825-WT-20
Project:	TIA Routine Op	**Collection Date/Time:**	07/08/2025 1135
Work Order:	25G0321	**Matrix:**	Ground Water
Lab Sample ID:	25G0321-12	**Order Name:**	TIA Routine Op 12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0358	PB
1,1,2-Trichlorotrifluoroethane	ND	50		ug/L	10	07/10/2025 0800	07/11/2025 0358	PB
1,1-Dichloroethane	ND	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0358	PB
1,1-Dichloroethene	8.7	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0358	PB
1,2-Dichloroethane	ND	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0358	PB
1,2-Dichloropropane	ND	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0358	PB
2-Butanone (MEK)	ND	100		ug/L	10	07/10/2025 0800	07/11/2025 0358	PB
Acetone	ND	100		ug/L	10	07/10/2025 0800	07/11/2025 0358	PB
Benzene	ND	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0358	PB
Bromodichloromethane	ND	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0358	PB
Bromoform	ND	20		ug/L	10	07/10/2025 0800	07/11/2025 0358	PB
Carbon tetrachloride	ND	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0358	PB
Chlorobenzene	ND	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0358	PB
Chloroform	ND	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0358	PB
Chloromethane	ND	10		ug/L	10	07/10/2025 0800	07/11/2025 0358	PB
cis-1,2-Dichloroethene	ND	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0358	PB
Dibromochloromethane	ND	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0358	PB
Dichlorodifluoromethane	ND	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0358	PB
Ethylbenzene	ND	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0358	PB
m,p-Xylene	ND	10		ug/L	10	07/10/2025 0800	07/11/2025 0358	PB
Methylene chloride	ND	10		ug/L	10	07/10/2025 0800	07/11/2025 0358	PB
o-Xylene	ND	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0358	PB
Tetrachloroethene	ND	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0358	PB
Toluene	ND	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0358	PB
trans-1,2-Dichloroethene	ND	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0358	PB
Trichloroethene	46	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0358	PB
Trichlorofluoromethane	ND	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0358	PB
Vinyl chloride	ND	5.0		ug/L	10	07/10/2025 0800	07/11/2025 0358	PB
Surr: 4-Bromofluorobenzene	*117*	*70-130*		*%REC*	*1*	*07/10/2025 0800*	*07/11/2025 358*	*PB*
Surr: Dibromofluoromethane	*116*	*70-130*		*%REC*	*1*	*07/10/2025 0800*	*07/11/2025 358*	*PB*
Surr: Toluene-d8	*100*	*70-130*		*%REC*	*1*	*07/10/2025 0800*	*07/11/2025 358*	*PB*

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Date: 07/28/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-070825-WT-21
Project:	TIA Routine Op	**Collection Date/Time:**	07/08/2025 1355
Work Order:	25G0321	**Matrix:**	Ground Water
Lab Sample ID:	25G0321-13	**Order Name:**	TIA Routine Op 12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2022	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/18/2025 1313	07/18/2025 2022	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2022	KP
1,1-Dichloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2022	KP
1,2-Dichloroethane	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2022	KP
1,2-Dichloropropane	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2022	KP
2-Butanone (MEK)	ND	10		ug/L	1	07/18/2025 1313	07/18/2025 2022	KP
Acetone	ND	10	V1	ug/L	1	07/18/2025 1313	07/18/2025 2022	KP
Benzene	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2022	KP
Bromodichloromethane	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2022	KP
Bromoform	ND	2.0		ug/L	1	07/18/2025 1313	07/18/2025 2022	KP
Carbon tetrachloride	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2022	KP
Chlorobenzene	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2022	KP
Chloroform	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2022	KP
Chloromethane	ND	1.0	V1	ug/L	1	07/18/2025 1313	07/18/2025 2022	KP
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2022	KP
Dibromochloromethane	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2022	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2022	KP
Ethylbenzene	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2022	KP
m,p-Xylene	ND	1.0		ug/L	1	07/18/2025 1313	07/18/2025 2022	KP
Methylene chloride	ND	1.0		ug/L	1	07/18/2025 1313	07/18/2025 2022	KP
o-Xylene	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2022	KP
Tetrachloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2022	KP
Toluene	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2022	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2022	KP
Trichloroethene	49	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2022	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2022	KP
Vinyl chloride	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2022	KP
Surr: 4-Bromofluorobenzene	*94*	*70-130*		*%REC*	*1*	*07/18/2025 1313*	*07/18/2025 2022*	*KP*
Surr: Dibromofluoromethane	*95*	*70-130*		*%REC*	*1*	*07/18/2025 1313*	*07/18/2025 2022*	*KP*
Surr: Toluene-d8	*94*	*70-130*		*%REC*	*1*	*07/18/2025 1313*	*07/18/2025 2022*	*KP*

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Date: 07/28/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-070925-WT-22
Project:	TIA Routine Op	**Collection Date/Time:**	07/09/2025 0745
Work Order:	25G0321	**Matrix:**	Ground Water
Lab Sample ID:	25G0321-14	**Order Name:**	TIA Routine Op 12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2102	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/18/2025 1313	07/18/2025 2102	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2102	KP
1,1-Dichloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2102	KP
1,2-Dichloroethane	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2102	KP
1,2-Dichloropropane	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2102	KP
2-Butanone (MEK)	ND	10		ug/L	1	07/18/2025 1313	07/18/2025 2102	KP
Acetone	ND	10	V1	ug/L	1	07/18/2025 1313	07/18/2025 2102	KP
Benzene	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2102	KP
Bromodichloromethane	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2102	KP
Bromoform	ND	2.0		ug/L	1	07/18/2025 1313	07/18/2025 2102	KP
Carbon tetrachloride	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2102	KP
Chlorobenzene	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2102	KP
Chloroform	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2102	KP
Chloromethane	ND	1.0	V1	ug/L	1	07/18/2025 1313	07/18/2025 2102	KP
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2102	KP
Dibromochloromethane	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2102	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2102	KP
Ethylbenzene	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2102	KP
m,p-Xylene	ND	1.0		ug/L	1	07/18/2025 1313	07/18/2025 2102	KP
Methylene chloride	ND	1.0		ug/L	1	07/18/2025 1313	07/18/2025 2102	KP
o-Xylene	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2102	KP
Tetrachloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2102	KP
Toluene	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2102	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2102	KP
Trichloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2102	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2102	KP
Vinyl chloride	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2102	KP
Surr: 4-Bromofluorobenzene	*93*	*70-130*		*%REC*	*1*	*07/18/2025 1313*	*07/18/2025 2102*	*KP*
Surr: Dibromofluoromethane	*96*	*70-130*		*%REC*	*1*	*07/18/2025 1313*	*07/18/2025 2102*	*KP*
Surr: Toluene-d8	*92*	*70-130*		*%REC*	*1*	*07/18/2025 1313*	*07/18/2025 2102*	*KP*

Turner Laboratories, Inc.

Date: 07/28/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-070925-WT-23
Project:	TIA Routine Op	**Collection Date/Time:**	07/09/2025 0855
Work Order:	25G0321	**Matrix:**	Ground Water
Lab Sample ID:	25G0321-15	**Order Name:**	TIA Routine Op 12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2142	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/18/2025 1313	07/18/2025 2142	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2142	KP
1,1-Dichloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2142	KP
1,2-Dichloroethane	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2142	KP
1,2-Dichloropropane	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2142	KP
2-Butanone (MEK)	ND	10		ug/L	1	07/18/2025 1313	07/18/2025 2142	KP
Acetone	ND	10	V1	ug/L	1	07/18/2025 1313	07/18/2025 2142	KP
Benzene	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2142	KP
Bromodichloromethane	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2142	KP
Bromoform	ND	2.0		ug/L	1	07/18/2025 1313	07/18/2025 2142	KP
Carbon tetrachloride	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2142	KP
Chlorobenzene	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2142	KP
Chloroform	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2142	KP
Chloromethane	ND	1.0	V1	ug/L	1	07/18/2025 1313	07/18/2025 2142	KP
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2142	KP
Dibromochloromethane	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2142	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2142	KP
Ethylbenzene	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2142	KP
m,p-Xylene	ND	1.0		ug/L	1	07/18/2025 1313	07/18/2025 2142	KP
Methylene chloride	ND	1.0		ug/L	1	07/18/2025 1313	07/18/2025 2142	KP
o-Xylene	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2142	KP
Tetrachloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2142	KP
Toluene	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2142	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2142	KP
Trichloroethene	3.5	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2142	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2142	KP
Vinyl chloride	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2142	KP
Surr: 4-Bromofluorobenzene	*96*	*70-130*		*%REC*	*1*	*07/18/2025 1313*	*07/18/2025 2142*	*KP*
Surr: Dibromofluoromethane	*99*	*70-130*		*%REC*	*1*	*07/18/2025 1313*	*07/18/2025 2142*	*KP*
Surr: Toluene-d8	*97*	*70-130*		*%REC*	*1*	*07/18/2025 1313*	*07/18/2025 2142*	*KP*

Turner Laboratories, Inc.

Date: 07/28/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-070925-WT-24
Project:	TIA Routine Op	**Collection Date/Time:**	07/09/2025 1015
Work Order:	25G0321	**Matrix:**	Ground Water
Lab Sample ID:	25G0321-16	**Order Name:**	TIA Routine Op 12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2222	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/18/2025 1313	07/18/2025 2222	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2222	KP
1,1-Dichloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2222	KP
1,2-Dichloroethane	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2222	KP
1,2-Dichloropropane	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2222	KP
2-Butanone (MEK)	ND	10		ug/L	1	07/18/2025 1313	07/18/2025 2222	KP
Acetone	ND	10	V1	ug/L	1	07/18/2025 1313	07/18/2025 2222	KP
Benzene	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2222	KP
Bromodichloromethane	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2222	KP
Bromoform	ND	2.0		ug/L	1	07/18/2025 1313	07/18/2025 2222	KP
Carbon tetrachloride	0.82	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2222	KP
Chlorobenzene	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2222	KP
Chloroform	6.0	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2222	KP
Chloromethane	ND	1.0	V1	ug/L	1	07/18/2025 1313	07/18/2025 2222	KP
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2222	KP
Dibromochloromethane	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2222	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2222	KP
Ethylbenzene	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2222	KP
m,p-Xylene	ND	1.0		ug/L	1	07/18/2025 1313	07/18/2025 2222	KP
Methylene chloride	ND	1.0		ug/L	1	07/18/2025 1313	07/18/2025 2222	KP
o-Xylene	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2222	KP
Tetrachloroethene	1.1	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2222	KP
Toluene	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2222	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2222	KP
Trichloroethene	16	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2222	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2222	KP
Vinyl chloride	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2222	KP
Surr: 4-Bromofluorobenzene	*95*	*70-130*		*%REC*	*1*	*07/18/2025 1313*	*07/18/2025 2222*	*KP*
Surr: Dibromofluoromethane	*99*	*70-130*		*%REC*	*1*	*07/18/2025 1313*	*07/18/2025 2222*	*KP*
Surr: Toluene-d8	*94*	*70-130*		*%REC*	*1*	*07/18/2025 1313*	*07/18/2025 2222*	*KP*

Turner Laboratories, Inc.

Date: 07/28/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-070925-WT-25
Project:	TIA Routine Op	**Collection Date/Time:**	07/09/2025 1155
Work Order:	25G0321	**Matrix:**	Ground Water
Lab Sample ID:	25G0321-17	**Order Name:**	TIA Routine Op 12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2302	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/18/2025 1313	07/18/2025 2302	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2302	KP
1,1-Dichloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2302	KP
1,2-Dichloroethane	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2302	KP
1,2-Dichloropropane	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2302	KP
2-Butanone (MEK)	ND	10		ug/L	1	07/18/2025 1313	07/18/2025 2302	KP
Acetone	ND	10	V1	ug/L	1	07/18/2025 1313	07/18/2025 2302	KP
Benzene	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2302	KP
Bromodichloromethane	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2302	KP
Bromoform	ND	2.0		ug/L	1	07/18/2025 1313	07/18/2025 2302	KP
Carbon tetrachloride	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2302	KP
Chlorobenzene	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2302	KP
Chloroform	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2302	KP
Chloromethane	ND	1.0	V1	ug/L	1	07/18/2025 1313	07/18/2025 2302	KP
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2302	KP
Dibromochloromethane	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2302	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2302	KP
Ethylbenzene	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2302	KP
m,p-Xylene	ND	1.0		ug/L	1	07/18/2025 1313	07/18/2025 2302	KP
Methylene chloride	ND	1.0		ug/L	1	07/18/2025 1313	07/18/2025 2302	KP
o-Xylene	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2302	KP
Tetrachloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2302	KP
Toluene	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2302	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2302	KP
Trichloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2302	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2302	KP
Vinyl chloride	ND	0.50		ug/L	1	07/18/2025 1313	07/18/2025 2302	KP
Surr: 4-Bromofluorobenzene	*96*	*70-130*		*%REC*	*1*	*07/18/2025 1313*	*07/18/2025 2302*	*KP*
Surr: Dibromofluoromethane	*102*	*70-130*		*%REC*	*1*	*07/18/2025 1313*	*07/18/2025 2302*	*KP*
Surr: Toluene-d8	*97*	*70-130*		*%REC*	*1*	*07/18/2025 1313*	*07/18/2025 2302*	*KP*

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25G0321
Date Received: 07/09/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2507101 - SW8260B										
Blank (2507101-BLK1)				Prepared & Analyzed: 07/10/2025						
1,1,1-Trichloroethane	ND	0.50	ug/L							
1,1,2-Trichlorotrifluoroethane	ND	5.0	ug/L							
1,1-Dichloroethane	ND	0.50	ug/L							
1,1-Dichloroethene	ND	0.50	ug/L							
1,2-Dichloroethane	ND	0.50	ug/L							
1,2-Dichloropropane	ND	0.50	ug/L							
2-Butanone (MEK)	ND	10	ug/L							
Acetone	ND	10	ug/L							
Benzene	ND	0.50	ug/L							
Bromodichloromethane	ND	0.50	ug/L							
Bromoform	ND	2.0	ug/L							
Carbon tetrachloride	ND	0.50	ug/L							
Chlorobenzene	ND	0.50	ug/L							
Chloroform	ND	0.50	ug/L							
Chloromethane	ND	1.0	ug/L							
cis-1,2-Dichloroethene	ND	0.50	ug/L							
Dibromochloromethane	ND	0.50	ug/L							
Dichlorodifluoromethane	ND	0.50	ug/L							
Ethylbenzene	ND	0.50	ug/L							
m,p-Xylene	ND	1.0	ug/L							
Methylene chloride	ND	1.0	ug/L							
o-Xylene	ND	0.50	ug/L							
Tetrachloroethene	ND	0.50	ug/L							
Toluene	ND	0.50	ug/L							
trans-1,2-Dichloroethene	ND	0.50	ug/L							
Trichloroethene	ND	0.50	ug/L							
Trichlorofluoromethane	ND	0.50	ug/L							
Vinyl chloride	ND	0.50	ug/L							
Surrogate: 4-Bromofluorobenzene	*59.2*		*ug/L*	*50.00*		*118*	*70-130*			
Surrogate: Dibromofluoromethane	*53.1*		*ug/L*	*50.00*		*106*	*70-130*			
Surrogate: Toluene-d8	*52.0*		*ug/L*	*50.00*		*104*	*70-130*			
LCS (2507101-BS1)				Prepared & Analyzed: 07/10/2025						
1,1-Dichloroethene	55	0.50	ug/L	50.00		110	70-130			
Benzene	60	0.50	ug/L	50.00		119	70-130			
Chlorobenzene	52	0.50	ug/L	50.00		105	70-130			
Toluene	52	0.50	ug/L	50.00		104	70-130			
Trichloroethene	53	0.50	ug/L	50.00		105	70-130			
Surrogate: 4-Bromofluorobenzene	*58.3*		*ug/L*	*50.00*		*117*	*70-130*			
Surrogate: Dibromofluoromethane	*51.4*		*ug/L*	*50.00*		*103*	*70-130*			
Surrogate: Toluene-d8	*49.7*		*ug/L*	*50.00*		*99*	*70-130*			

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25G0321
Date Received: 07/09/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2507101 - SW8260B										
LCS Dup (2507101-BSD1)				Prepared & Analyzed: 07/10/2025						
1,1-Dichloroethene	49	0.50	ug/L	50.00		98	70-130	12	30	
Benzene	52	0.50	ug/L	50.00		105	70-130	13	30	
Chlorobenzene	47	0.50	ug/L	50.00		95	70-130	10	30	
Toluene	47	0.50	ug/L	50.00		94	70-130	10	30	
Trichloroethene	47	0.50	ug/L	50.00		94	70-130	12	30	
Surrogate: 4-Bromofluorobenzene	*56.1*		*ug/L*	*50.00*		*112*	*70-130*			
Surrogate: Dibromofluoromethane	*48.8*		*ug/L*	*50.00*		*98*	*70-130*			
Surrogate: Toluene-d8	*47.6*		*ug/L*	*50.00*		*95*	*70-130*			
Matrix Spike (2507101-MS1)		**Source: 25G0261-01**		Prepared: 07/10/2025 Analyzed: 07/11/2025						
1,1-Dichloroethene	48	0.50	ug/L	50.00	ND	96	70-130			
Benzene	61	0.50	ug/L	50.00	ND	121	70-130			
Chlorobenzene	55	0.50	ug/L	50.00	ND	111	70-130			
Toluene	55	0.50	ug/L	50.00	ND	110	70-130			
Trichloroethene	54	0.50	ug/L	50.00	ND	109	70-130			
Surrogate: 4-Bromofluorobenzene	*60.0*		*ug/L*	*50.00*		*120*	*70-130*			
Surrogate: Dibromofluoromethane	*54.3*		*ug/L*	*50.00*		*109*	*70-130*			
Surrogate: Toluene-d8	*50.6*		*ug/L*	*50.00*		*101*	*70-130*			
Matrix Spike (2507101-MS2)		**Source: 25G0321-02**		Prepared: 07/10/2025 Analyzed: 07/11/2025						
1,1-Dichloroethene	50	0.50	ug/L	50.00	ND	100	70-130			
Benzene	63	0.50	ug/L	50.00	ND	126	70-130			
Chlorobenzene	57	0.50	ug/L	50.00	0.12	113	70-130			
Toluene	56	0.50	ug/L	50.00	ND	112	70-130			
Trichloroethene	55	0.50	ug/L	50.00	ND	111	70-130			
Surrogate: 4-Bromofluorobenzene	*59.5*		*ug/L*	*50.00*		*119*	*70-130*			
Surrogate: Dibromofluoromethane	*55.5*		*ug/L*	*50.00*		*111*	*70-130*			
Surrogate: Toluene-d8	*51.1*		*ug/L*	*50.00*		*102*	*70-130*			
Matrix Spike Dup (2507101-MSD1)		**Source: 25G0261-01**		Prepared: 07/10/2025 Analyzed: 07/11/2025						
1,1-Dichloroethene	48	0.50	ug/L	50.00	ND	96	70-130	0.3	30	
Benzene	61	0.50	ug/L	50.00	ND	122	70-130	1	30	
Chlorobenzene	54	0.50	ug/L	50.00	ND	109	70-130	2	30	
Toluene	55	0.50	ug/L	50.00	ND	109	70-130	0.7	30	
Trichloroethene	55	0.50	ug/L	50.00	ND	111	70-130	2	30	
Surrogate: 4-Bromofluorobenzene	*59.5*		*ug/L*	*50.00*		*119*	*70-130*			
Surrogate: Dibromofluoromethane	*54.9*		*ug/L*	*50.00*		*110*	*70-130*			
Surrogate: Toluene-d8	*50.6*		*ug/L*	*50.00*		*101*	*70-130*			
Matrix Spike Dup (2507101-MSD2)		**Source: 25G0321-02**		Prepared: 07/10/2025 Analyzed: 07/11/2025						
1,1-Dichloroethene	48	0.50	ug/L	50.00	ND	95	70-130	5	30	
Benzene	61	0.50	ug/L	50.00	ND	122	70-130	4	30	
Chlorobenzene	56	0.50	ug/L	50.00	0.12	112	70-130	0.7	30	
Toluene	56	0.50	ug/L	50.00	ND	112	70-130	0.03	30	
Trichloroethene	53	0.50	ug/L	50.00	ND	107	70-130	4	30	
Surrogate: 4-Bromofluorobenzene	*60.3*		*ug/L*	*50.00*		*121*	*70-130*			
Surrogate: Dibromofluoromethane	*55.3*		*ug/L*	*50.00*		*111*	*70-130*			
Surrogate: Toluene-d8	*52.1*		*ug/L*	*50.00*		*104*	*70-130*			

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25G0321
Date Received: 07/09/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2507195 - SW8260B										
Blank (2507195-BLK1)				Prepared & Analyzed: 07/18/2025						
1,1,1-Trichloroethane	ND	0.50	ug/L							
1,1,2-Trichlorotrifluoroethane	ND	5.0	ug/L							
1,1-Dichloroethane	ND	0.50	ug/L							
1,1-Dichloroethene	ND	0.50	ug/L							
1,2-Dichloroethane	ND	0.50	ug/L							
1,2-Dichloropropane	ND	0.50	ug/L							
2-Butanone (MEK)	ND	10	ug/L							
Acetone	ND	10	ug/L							
Benzene	ND	0.50	ug/L							
Bromodichloromethane	ND	0.50	ug/L							
Bromoform	ND	2.0	ug/L							
Carbon tetrachloride	ND	0.50	ug/L							
Chlorobenzene	ND	0.50	ug/L							
Chloroform	ND	0.50	ug/L							
Chloromethane	ND	1.0	ug/L							
cis-1,2-Dichloroethene	ND	0.50	ug/L							
Dibromochloromethane	ND	0.50	ug/L							
Dichlorodifluoromethane	ND	0.50	ug/L							
Ethylbenzene	ND	0.50	ug/L							
m,p-Xylene	ND	1.0	ug/L							
Methylene chloride	ND	1.0	ug/L							
o-Xylene	ND	0.50	ug/L							
Tetrachloroethene	ND	0.50	ug/L							
Toluene	ND	0.50	ug/L							
trans-1,2-Dichloroethene	ND	0.50	ug/L							
Trichloroethene	ND	0.50	ug/L							
Trichlorofluoromethane	ND	0.50	ug/L							
Vinyl chloride	ND	0.50	ug/L							
Surrogate: 4-Bromofluorobenzene	*24.4*		*ug/L*	*25.00*		*98*	*70-130*			
Surrogate: Dibromofluoromethane	*23.6*		*ug/L*	*25.00*		*95*	*70-130*			
Surrogate: Toluene-d8	*24.1*		*ug/L*	*25.00*		*96*	*70-130*			

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25G0321
Date Received: 07/09/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2507195 - SW8260B										
Blank (2507195-BLK2)				Prepared: 07/18/2025 Analyzed: 07/19/2025						
1,1,1-Trichloroethane	ND	0.50	ug/L							
1,1,2-Trichlorotrifluoroethane	ND	5.0	ug/L							
1,1-Dichloroethane	ND	0.50	ug/L							
1,1-Dichloroethene	ND	0.50	ug/L							
1,2-Dichloroethane	ND	0.50	ug/L							
1,2-Dichloropropane	ND	0.50	ug/L							
2-Butanone (MEK)	ND	10	ug/L							
Acetone	ND	10	ug/L							
Benzene	ND	0.50	ug/L							
Bromodichloromethane	ND	0.50	ug/L							
Bromoform	ND	2.0	ug/L							
Carbon tetrachloride	ND	0.50	ug/L							
Chlorobenzene	ND	0.50	ug/L							
Chloroform	ND	0.50	ug/L							
Chloromethane	ND	1.0	ug/L							
cis-1,2-Dichloroethene	ND	0.50	ug/L							
Dibromochloromethane	ND	0.50	ug/L							
Dichlorodifluoromethane	ND	0.50	ug/L							
Ethylbenzene	ND	0.50	ug/L							
m,p-Xylene	ND	1.0	ug/L							
Methylene chloride	ND	1.0	ug/L							
o-Xylene	ND	0.50	ug/L							
Tetrachloroethene	ND	0.50	ug/L							
Toluene	ND	0.50	ug/L							
trans-1,2-Dichloroethene	ND	0.50	ug/L							
Trichloroethene	ND	0.50	ug/L							
Trichlorofluoromethane	ND	0.50	ug/L							
Vinyl chloride	ND	0.50	ug/L							
Surrogate: 4-Bromofluorobenzene	*23.1*		*ug/L*	*25.00*		*92*	*70-130*			
Surrogate: Dibromofluoromethane	*23.8*		*ug/L*	*25.00*		*95*	*70-130*			
Surrogate: Toluene-d8	*23.5*		*ug/L*	*25.00*		*94*	*70-130*			
LCS (2507195-BS1)				Prepared & Analyzed: 07/18/2025						
1,1-Dichloroethene	22		ug/L	25.00		88	70-130			
Benzene	22		ug/L	25.00		90	70-130			
Chlorobenzene	25		ug/L	25.00		98	70-130			
Toluene	24		ug/L	25.00		96	70-130			
Trichloroethene	24		ug/L	25.00		96	70-130			
Surrogate: 4-Bromofluorobenzene	*24.5*		*ug/L*	*25.00*		*98*	*70-130*			
Surrogate: Dibromofluoromethane	*23.0*		*ug/L*	*25.00*		*92*	*70-130*			
Surrogate: Toluene-d8	*24.2*		*ug/L*	*25.00*		*97*	*70-130*			

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25G0321
Date Received: 07/09/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2507195 - SW8260B										
LCS (2507195-BS2)				Prepared: 07/18/2025 Analyzed: 07/19/2025						
1,1-Dichloroethene	23		ug/L	25.00		90	70-130			
Benzene	24		ug/L	25.00		94	70-130			
Chlorobenzene	25		ug/L	25.00		102	70-130			
Toluene	25		ug/L	25.00		100	70-130			
Trichloroethene	24		ug/L	25.00		97	70-130			
Surrogate: 4-Bromofluorobenzene	*23.5*		*ug/L*	*25.00*		*94*	*70-130*			
Surrogate: Dibromofluoromethane	*21.8*		*ug/L*	*25.00*		*87*	*70-130*			
Surrogate: Toluene-d8	*24.1*		*ug/L*	*25.00*		*96*	*70-130*			
LCS Dup (2507195-BSD1)				Prepared & Analyzed: 07/18/2025						
1,1-Dichloroethene	21		ug/L	25.00		85	70-130	4	30	
Benzene	22		ug/L	25.00		89	70-130	1	30	
Chlorobenzene	23		ug/L	25.00		94	70-130	5	30	
Toluene	22		ug/L	25.00		89	70-130	7	30	
Trichloroethene	23		ug/L	25.00		92	70-130	5	30	
Surrogate: 4-Bromofluorobenzene	*23.5*		*ug/L*	*25.00*		*94*	*70-130*			
Surrogate: Dibromofluoromethane	*23.5*		*ug/L*	*25.00*		*94*	*70-130*			
Surrogate: Toluene-d8	*22.8*		*ug/L*	*25.00*		*91*	*70-130*			
LCS Dup (2507195-BSD2)				Prepared: 07/18/2025 Analyzed: 07/19/2025						
1,1-Dichloroethene	22		ug/L	25.00		90	70-130	0.8	30	
Benzene	23		ug/L	25.00		94	70-130	0.2	30	
Chlorobenzene	25		ug/L	25.00		99	70-130	2	30	
Toluene	24		ug/L	25.00		98	70-130	2	30	
Trichloroethene	24		ug/L	25.00		96	70-130	1	30	
Surrogate: 4-Bromofluorobenzene	*22.3*		*ug/L*	*25.00*		*89*	*70-130*			
Surrogate: Dibromofluoromethane	*21.3*		*ug/L*	*25.00*		*85*	*70-130*			
Surrogate: Toluene-d8	*22.8*		*ug/L*	*25.00*		*91*	*70-130*			
Matrix Spike (2507195-MS1)		**Source: 25G0321-14**		Prepared: 07/18/2025 Analyzed: 07/19/2025						
1,1-Dichloroethene	22		ug/L	25.00	0.010	89	70-130			
Benzene	24		ug/L	25.00	0.010	94	70-130			
Chlorobenzene	25		ug/L	25.00	0.010	99	70-130			
Toluene	25		ug/L	25.00	0.0	98	70-130			
Trichloroethene	24		ug/L	25.00	0.030	96	70-130			
Surrogate: 4-Bromofluorobenzene	*23.0*		*ug/L*	*25.00*		*92*	*70-130*			
Surrogate: Dibromofluoromethane	*23.3*		*ug/L*	*25.00*		*93*	*70-130*			
Surrogate: Toluene-d8	*24.1*		*ug/L*	*25.00*		*96*	*70-130*			
Matrix Spike (2507195-MS2)		**Source: 25G0405-05**		Prepared: 07/18/2025 Analyzed: 07/19/2025						
1,1-Dichloroethene	22		ug/L	25.00	0.010	89	70-130			
Benzene	24		ug/L	25.00	0.0	95	70-130			
Chlorobenzene	25		ug/L	25.00	0.0	102	70-130			
Toluene	25		ug/L	25.00	0.0	98	70-130			
Trichloroethene	24		ug/L	25.00	0.0	97	70-130			
Surrogate: 4-Bromofluorobenzene	*22.3*		*ug/L*	*25.00*		*89*	*70-130*			
Surrogate: Dibromofluoromethane	*22.9*		*ug/L*	*25.00*		*92*	*70-130*			
Surrogate: Toluene-d8	*23.4*		*ug/L*	*25.00*		*94*	*70-130*			

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25G0321
Date Received: 07/09/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2507195 - SW8260B										
Matrix Spike (2507195-MS3)		**Source: 25G0464-04**		Prepared: 07/18/2025 Analyzed: 07/19/2025						
1,1-Dichloroethene	22		ug/L	25.00	0.010	89	70-130			
Benzene	23		ug/L	25.00	0.0	93	70-130			
Chlorobenzene	25		ug/L	25.00	0.0	100	70-130			
Toluene	24		ug/L	25.00	0.020	97	70-130			
Trichloroethene	24		ug/L	25.00	0.010	96	70-130			
Surrogate: 4-Bromofluorobenzene	*23.2*		*ug/L*	*25.00*		*93*	*70-130*			
Surrogate: Dibromofluoromethane	*23.0*		*ug/L*	*25.00*		*92*	*70-130*			
Surrogate: Toluene-d8	*23.9*		*ug/L*	*25.00*		*95*	*70-130*			
Matrix Spike Dup (2507195-MSD1)		**Source: 25G0321-14**		Prepared: 07/18/2025 Analyzed: 07/19/2025						
1,1-Dichloroethene	22		ug/L	25.00	0.010	88	70-130	0.4	30	
Benzene	23		ug/L	25.00	0.010	93	70-130	0.7	30	
Chlorobenzene	25		ug/L	25.00	0.010	99	70-130	0.6	30	
Toluene	24		ug/L	25.00	0.0	95	70-130	3	30	
Trichloroethene	24		ug/L	25.00	0.030	94	70-130	2	30	
Surrogate: 4-Bromofluorobenzene	*23.4*		*ug/L*	*25.00*		*94*	*70-130*			
Surrogate: Dibromofluoromethane	*23.4*		*ug/L*	*25.00*		*94*	*70-130*			
Surrogate: Toluene-d8	*23.6*		*ug/L*	*25.00*		*94*	*70-130*			
Matrix Spike Dup (2507195-MSD2)		**Source: 25G0405-05**		Prepared: 07/18/2025 Analyzed: 07/19/2025						
1,1-Dichloroethene	21		ug/L	25.00	0.010	85	70-130	5	30	
Benzene	23		ug/L	25.00	0.0	91	70-130	4	30	
Chlorobenzene	24		ug/L	25.00	0.0	94	70-130	7	30	
Toluene	23		ug/L	25.00	0.0	93	70-130	6	30	
Trichloroethene	23		ug/L	25.00	0.0	91	70-130	6	30	
Surrogate: 4-Bromofluorobenzene	*22.3*		*ug/L*	*25.00*		*89*	*70-130*			
Surrogate: Dibromofluoromethane	*23.2*		*ug/L*	*25.00*		*93*	*70-130*			
Surrogate: Toluene-d8	*22.8*		*ug/L*	*25.00*		*91*	*70-130*			
Matrix Spike Dup (2507195-MSD3)		**Source: 25G0464-04**		Prepared: 07/18/2025 Analyzed: 07/19/2025						
1,1-Dichloroethene	22		ug/L	25.00	0.010	87	70-130	2	30	
Benzene	23		ug/L	25.00	0.0	92	70-130	0.4	30	
Chlorobenzene	25		ug/L	25.00	0.0	99	70-130	1	30	
Toluene	24		ug/L	25.00	0.020	96	70-130	1	30	
Trichloroethene	24		ug/L	25.00	0.010	95	70-130	1	30	
Surrogate: 4-Bromofluorobenzene	*23.5*		*ug/L*	*25.00*		*94*	*70-130*			
Surrogate: Dibromofluoromethane	*23.2*		*ug/L*	*25.00*		*93*	*70-130*			
Surrogate: Toluene-d8	*24.1*		*ug/L*	*25.00*		*96*	*70-130*			
Batch 2507250 - SW8260B										

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25G0321
Date Received: 07/09/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2507250 - SW8260B										
Blank (2507250-BLK1)				Prepared & Analyzed: 07/23/2025						
1,1,1-Trichloroethane	ND	0.50	ug/L							
1,1,2-Trichlorotrifluoroethane	ND	5.0	ug/L							
1,1-Dichloroethane	ND	0.50	ug/L							
1,1-Dichloroethene	ND	0.50	ug/L							
1,2-Dichloroethane	ND	0.50	ug/L							
1,2-Dichloropropane	ND	0.50	ug/L							
2-Butanone (MEK)	ND	10	ug/L							
Acetone	ND	10	ug/L							
Benzene	ND	0.50	ug/L							
Bromodichloromethane	ND	0.50	ug/L							
Bromoform	ND	2.0	ug/L							
Carbon tetrachloride	ND	0.50	ug/L							
Chlorobenzene	ND	0.50	ug/L							
Chloroform	ND	0.50	ug/L							
Chloromethane	ND	1.0	ug/L							
cis-1,2-Dichloroethene	ND	0.50	ug/L							
Dibromochloromethane	ND	0.50	ug/L							
Dichlorodifluoromethane	ND	0.50	ug/L							
Ethylbenzene	ND	0.50	ug/L							
m,p-Xylene	ND	1.0	ug/L							
Methylene chloride	ND	1.0	ug/L							
o-Xylene	ND	0.50	ug/L							
Tetrachloroethene	ND	0.50	ug/L							
Toluene	ND	0.50	ug/L							
trans-1,2-Dichloroethene	ND	0.50	ug/L							
Trichloroethene	ND	0.50	ug/L							
Trichlorofluoromethane	ND	0.50	ug/L							
Vinyl chloride	ND	0.50	ug/L							
Surrogate: 4-Bromofluorobenzene	*64.7*		*ug/L*	*50.00*		*129*	*70-130*			
Surrogate: Dibromofluoromethane	*55.0*		*ug/L*	*50.00*		*110*	*70-130*			
Surrogate: Toluene-d8	*55.3*		*ug/L*	*50.00*		*111*	*70-130*			
LCS (2507250-BS1)				Prepared & Analyzed: 07/23/2025						
1,1-Dichloroethene	56	0.50	ug/L	50.00		111	70-130			
Benzene	62	0.50	ug/L	50.00		124	70-130			
Chlorobenzene	57	0.50	ug/L	50.00		114	70-130			
Toluene	55	0.50	ug/L	50.00		111	70-130			
Trichloroethene	55	0.50	ug/L	50.00		110	70-130			
Surrogate: 4-Bromofluorobenzene	*54.7*		*ug/L*	*50.00*		*109*	*70-130*			
Surrogate: Dibromofluoromethane	*49.9*		*ug/L*	*50.00*		*100*	*70-130*			
Surrogate: Toluene-d8	*48.5*		*ug/L*	*50.00*		*97*	*70-130*			

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25G0321
Date Received: 07/09/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2507250 - SW8260B										
LCS Dup (2507250-BSD1)				Prepared & Analyzed: 07/23/2025						
1,1-Dichloroethene	54	0.50	ug/L	50.00		109	70-130	2	30	
Benzene	59	0.50	ug/L	50.00		118	70-130	5	30	
Chlorobenzene	56	0.50	ug/L	50.00		113	70-130	1	30	
Toluene	55	0.50	ug/L	50.00		111	70-130	0.05	30	
Trichloroethene	53	0.50	ug/L	50.00		107	70-130	2	30	
Surrogate: 4-Bromofluorobenzene	*56.2*		*ug/L*	*50.00*		*112*	*70-130*			
Surrogate: Dibromofluoromethane	*50.2*		*ug/L*	*50.00*		*100*	*70-130*			
Surrogate: Toluene-d8	*49.7*		*ug/L*	*50.00*		*99*	*70-130*			
Matrix Spike (2507250-MS1)		**Source: 25G0698-02**		Prepared: 07/23/2025 Analyzed: 07/24/2025						
1,1-Dichloroethene	61	0.50	ug/L	50.00	ND	121	70-130			E7
Benzene	66	0.50	ug/L	50.00	ND	132	70-130			E7, M1
Chlorobenzene	57	0.50	ug/L	50.00	ND	115	70-130			E7
Toluene	59	0.50	ug/L	50.00	ND	117	70-130			E7
Trichloroethene	62	0.50	ug/L	50.00	4.3	116	70-130			E7
Surrogate: 4-Bromofluorobenzene	*63.3*		*ug/L*	*50.00*		*127*	*70-130*			*E7*
Surrogate: Dibromofluoromethane	*56.2*		*ug/L*	*50.00*		*112*	*70-130*			*E7*
Surrogate: Toluene-d8	*54.8*		*ug/L*	*50.00*		*110*	*70-130*			*E7*
Matrix Spike (2507250-MS2)		**Source: 25G0698-03**		Prepared: 07/23/2025 Analyzed: 07/24/2025						
1,1-Dichloroethene	63	0.50	ug/L	50.00	0.95	124	70-130			E7
Benzene	68	0.50	ug/L	50.00	ND	136	70-130			E7, M1
Chlorobenzene	57	0.50	ug/L	50.00	ND	114	70-130			E7
Toluene	58	0.50	ug/L	50.00	ND	117	70-130			E7
Trichloroethene	66	0.50	ug/L	50.00	6.8	119	70-130			E7
Surrogate: 4-Bromofluorobenzene	*64.9*		*ug/L*	*50.00*		*130*	*70-130*			*E7*
Surrogate: Dibromofluoromethane	*57.2*		*ug/L*	*50.00*		*114*	*70-130*			*E7*
Surrogate: Toluene-d8	*53.0*		*ug/L*	*50.00*		*106*	*70-130*			*E7*
Matrix Spike Dup (2507250-MSD1)		**Source: 25G0698-02**		Prepared: 07/23/2025 Analyzed: 07/24/2025						
1,1-Dichloroethene	66	0.50	ug/L	50.00	ND	131	70-130	8	30	E7, M1
Benzene	69	0.50	ug/L	50.00	ND	138	70-130	5	30	E7, M1
Chlorobenzene	59	0.50	ug/L	50.00	ND	119	70-130	3	30	E7
Toluene	60	0.50	ug/L	50.00	ND	121	70-130	3	30	E7
Trichloroethene	64	0.50	ug/L	50.00	4.3	120	70-130	3	30	E7
Surrogate: 4-Bromofluorobenzene	*66.0*		*ug/L*	*50.00*		*132*	*70-130*			*E7, M1*
Surrogate: Dibromofluoromethane	*60.5*		*ug/L*	*50.00*		*121*	*70-130*			*E7*
Surrogate: Toluene-d8	*56.7*		*ug/L*	*50.00*		*113*	*70-130*			*E7*
Matrix Spike Dup (2507250-MSD2)		**Source: 25G0698-03**		Prepared: 07/23/2025 Analyzed: 07/24/2025						
1,1-Dichloroethene	63	0.50	ug/L	50.00	0.95	124	70-130	0.3	30	E7
Benzene	68	0.50	ug/L	50.00	ND	136	70-130	0.3	30	E7, M1
Chlorobenzene	58	0.50	ug/L	50.00	ND	116	70-130	2	30	E7
Toluene	58	0.50	ug/L	50.00	ND	116	70-130	0.7	30	E7
Trichloroethene	66	0.50	ug/L	50.00	6.8	118	70-130	1	30	E7
Surrogate: 4-Bromofluorobenzene	*65.2*		*ug/L*	*50.00*		*130*	*70-130*			*E7, S10*
Surrogate: Dibromofluoromethane	*59.0*		*ug/L*	*50.00*		*118*	*70-130*			*E7*
Surrogate: Toluene-d8	*54.0*		*ug/L*	*50.00*		*108*	*70-130*			*E7*

TURNER LABORATORIES INC.
2445 N. Coyote Drive, Suite 104
Tucson, Arizona 85745
(520) 882-5880
Fax: (520) 882-9788
www.turnerlabs.com

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

TURNER WORK ORDER # 25G0321 DATE 7/9 PAGE 1 OF 2

PROJECT NAME TIA Routine OP #12619196.5.5.7

CONTACT NAME : Justin Berkompas

COMPANY NAME : GHD Services, Inc.

ADDRESS : 6700 N Oracle Rd #238

CITY Tucson STATE AZ ZIP CODE 85704

PHONE 720 974-0964 FAX

SAMPLER'S SIGNATURE

CIRCLE ANALYSIS REQUESTED AND/OR CHECK THE APPROPRIATE BOX

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX*	NUMBER OF CONTAINERS	8260	LEVEL III DATA PACKAGE	ANTICIPATE HIGH CONCENTRATIO	MS/MSD	Contains fluorescein (yellow dye)	Contains rhodamine WT (pink dye)
GW-070725-WT-TB	7/7/2025	615		GW	1	X					
GW-070725-WT-10	7/7/2025	615			3	X					
GW-070725-WT-11	7/7/2025	745			3	X		X			
GW-070725-WT-12	7/7/2025	915			3	X					
GW-070725-WT-13	7/7/2025	1055			3	X					
GW-070725-WT-14	7/7/2025	1255 15			3	X					
GW-070725-WT-15	7/7/2025	1425			3	X					
GW-070825-WT-16	7/8/2025	805			3	X					
GW-070825-WT-17	7/8/2025	905			3	X				X	
GW-070825-WT-18	7/8/2025	1035			3	X					X
GW-070825-WT-19	7/8/2025	1125			3	X					

1. RELINQUISHED BY:
Signature
Wesley Thompson
Printed Name
GHD
Firm
7/9/25 @ 1340
Date/Time

2. RECEIVED BY:
Signature
Printed Name
Turner Labs
Firm
7-9-25-1340
Date/Time

TURNAROUND REQUIREMENTS:
_X_GHD Standard (approx. 5 days)*
___Next day ___2 Day ___5 Day*
___ Email Preliminary Results To:
* Working Days

REPORT REQUIREMENTS:
___ I. Routine Report
___ II. Report (includes DUP,MS,MSD, as required, may be charged as samples)
___ III. Date Validation Report (Includes All Raw Data)
Add 10% to invoice

INVOICE INFORMATION:
Account ___ Y ___ N
P.O. #
Bill to:

SAMPLE RECEIPT:
TR-49
Total Containers
Temperature 2-2

3. RELINQUISHED BY:
Signature
Printed Name
Firm
7/9/25
Date/Time
1149

4. RECEIVED BY:
Signature
Kathy Rabo AS
Printed Name
TURNER LABORATORIES, INC.
Firm
7/9/25 1449
Date/Time

*LEGEND
DW = DRINKING WATER
GW = GROUNDWATER
SD = SOLID
SG = SLUDGE
SL = SOIL
ST = STORMWATER
WW = WASTEWATER

SPECIAL INSTRUCTIONS/COMMENTS:

Compliance Analysis:	Custody Seals	Preservation Confirmation X
ADEQ Forms:	Container Intact X	Appropriate Head Space X
Mail ADEQ Forms:	COC/Labels Agree X	Received Within Hold Time X

TURNER LABORATORIES INC.
2445 N. Coyote Drive, Suite 104
Tucson, Arizona 85745
(520) 882-5880
Fax: (520) 882-9788
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CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

TURNER WORK ORDER # _____ DATE _____ PAGE 2 OF 2

PROJECT NAME TIA Routine OP #12619196.5.5.7

CONTACT NAME : Justin Berkompas

COMPANY NAME : GHD Services, Inc.

ADDRESS : 6700 N Oracle Rd #238

CITY Tucson STATE AZ ZIP CODE 85704

PHONE 720 974-0964 FAX

SAMPLER'S SIGNATURE _____

CIRCLE ANALYSIS REQUESTED AND/OR CHECK THE APPROPRIATE BOX

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX*	NUMBER OF CONTAINERS	8260	LEVEL III DATA PACKAGE	ANTICIPATE HIGH CONCENTRATIO	MS/MSD	Contains fluorescein (yellow dye)	Contains rhodamine WT (pink dye
GW-070825-WT-20	7/8/2025	1135		GW	3	X		X			
GW-070825-WT-21	7/8/2025	1355			3	X		X			
GW-070925-WT-22	7/9/2025	745			3	X					
GW-070925-WT-23	7/9/2025	855			3	X					
GW-070925-WT-24	7/9/2025	1015			3	X					
GW-070925-WT-25	7/9/2025	1155			3	X					

1. RELINQUISHED BY:
Signature
Wesley Thompson
Printed Name
GHD
Firm
7/8/25 @ 1340
Date/Time

2. RECEIVED BY:
Signature
Printed Name
Turner Labs
Firm
7/9/25 - 1210
Date/Time

3. RELINQUISHED BY:
Signature
Printed Name
Turner Labs
Firm
7/9/25
Date/Time
1114

4. RECEIVED BY:
Signature
Printed Name
TURNER LABORATORIES, INC.
Firm
7/9/25 1449
Date/Time

TURNAROUND REQUIREMENTS:
_X_GHD Standard (approx. 5 days)*
___Next day ___2 Day ___5 Day*
___ Email Preliminary Results To:
* Working Days

REPORT REQUIREMENTS:
___ I. Routine Report
___ II. Report (includes DUP,MS,MSD, as required, may be charged as samples)
___ III. Date Validation Report (Includes All Raw Data)
Add 10% to invoice

INVOICE INFORMATION:
Account ___ Y ___ N
P.O. # _____
Bill to: _____

SAMPLE RECEIPT:
Total Containers 12-119
Temperature 2-2

*LEGEND
DW = DRINKING WATER
GW = GROUNDWATER
SD = SOLID
SG = SLUDGE
SL = SOIL
ST = STORMWATER
WW = WASTEWATER

SPECIAL INSTRUCTIONS/COMMENTS:

Compliance Analysis:	Custody Seals	Preservation Confirmation X
ADEQ Forms:	Container Intact X	Appropriate Head Space X
Mail ADEQ Forms:	COC/Labels Agree X	Received Within Hold Time X

July 29, 2025

Justin Berkompas
GHD Services, Inc. - Tucson
6700 N. Oracle Rd. Suite 238
Tucson, AZ 85704

TEL (520) 203-0701
FAX

Work Order No.: 25G0405
Order Name: 12619196.5.5.7

RE: TIA Routine Op

Dear Justin Berkompas,

Turner Laboratories, Inc. received 7 sample(s) on 07/14/2025 for the analyses presented in the following report.

All results are intended to be considered in their entirety, and Turner Laboratories, Inc. is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Samples will be disposed of 30 days after issue of our report unless special arrangements are made.

The pages that follow may contain sensitive, privileged or confidential information intended solely for the addressee named above. If you receive this message and are not the agent or employee of the addressee, this communication has been sent in error. Please do not disseminate or copy any of the attached and notify the sender immediately by telephone. Please also return the attached sheet(s) to the sender by mail.

Please call if you have any questions.

Respectfully submitted,

Turner Laboratories, Inc.
ADHS License AZ0066

Elizabeth Kasik
Laboratory Director

Turner Laboratories, Inc.

Date: 07/29/2025

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25G0405
Date Received: 07/14/2025

Order: 12619196.5.5.7

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date/Time
25G0405-01	GW-071025-KB-TB	Ground Water	07/10/2025 1215
25G0405-02	GW-071025-KB-26	Ground Water	07/10/2025 1215
25G0405-03	GW-071125-KB-27	Ground Water	07/11/2025 1255
25G0405-04	GW-071425-KB-28	Ground Water	07/14/2025 0805
25G0405-05	GW-071425-KB-29	Ground Water	07/14/2025 0855
25G0405-06	GW-071425-KB-30	Ground Water	07/14/2025 0935
25G0405-07	GW-071425-KB-31	Ground Water	07/14/2025 1025

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25G0405
Date Received: 07/14/2025

Case Narrative

V1 CCV recovery was above method acceptance limits. This target analyte was not detected in the sample.

All soil, sludge, and solid matrix determinations are reported on a wet weight basis unless otherwise noted.

ND Not Detected at or above the PQL

PQL Practical Quantitation Limit

DF Dilution Factor

Turner Laboratories, Inc.

Date: 07/29/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-071025-KB-TB
Project:	TIA Routine Op	**Collection Date/Time:**	07/10/2025 1215
Work Order:	25G0405	**Matrix:**	Ground Water
Lab Sample ID:	25G0405-01	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0304	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/18/2025 1313	07/19/2025 0304	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0304	KP
1,1-Dichloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0304	KP
1,2-Dichloroethane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0304	KP
1,2-Dichloropropane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0304	KP
2-Butanone (MEK)	ND	10		ug/L	1	07/18/2025 1313	07/19/2025 0304	KP
Acetone	ND	10	V1	ug/L	1	07/18/2025 1313	07/19/2025 0304	KP
Benzene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0304	KP
Bromodichloromethane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0304	KP
Bromoform	ND	2.0		ug/L	1	07/18/2025 1313	07/19/2025 0304	KP
Carbon tetrachloride	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0304	KP
Chlorobenzene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0304	KP
Chloroform	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0304	KP
Chloromethane	ND	1.0	V1	ug/L	1	07/18/2025 1313	07/19/2025 0304	KP
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0304	KP
Dibromochloromethane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0304	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0304	KP
Ethylbenzene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0304	KP
m,p-Xylene	ND	1.0		ug/L	1	07/18/2025 1313	07/19/2025 0304	KP
Methylene chloride	ND	1.0		ug/L	1	07/18/2025 1313	07/19/2025 0304	KP
o-Xylene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0304	KP
Tetrachloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0304	KP
Toluene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0304	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0304	KP
Trichloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0304	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0304	KP
Vinyl chloride	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0304	KP
Surr: 4-Bromofluorobenzene	*97*	*70-130*		*%REC*	*1*	*07/18/2025 1313*	*07/19/2025 304*	*KP*
Surr: Dibromofluoromethane	*97*	*70-130*		*%REC*	*1*	*07/18/2025 1313*	*07/19/2025 304*	*KP*
Surr: Toluene-d8	*96*	*70-130*		*%REC*	*1*	*07/18/2025 1313*	*07/19/2025 304*	*KP*

Turner Laboratories, Inc.

Date: 07/29/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-071025-KB-26
Project:	TIA Routine Op	**Collection Date/Time:**	07/10/2025 1215
Work Order:	25G0405	**Matrix:**	Ground Water
Lab Sample ID:	25G0405-02	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0344	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/18/2025 1313	07/19/2025 0344	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0344	KP
1,1-Dichloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0344	KP
1,2-Dichloroethane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0344	KP
1,2-Dichloropropane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0344	KP
2-Butanone (MEK)	ND	10		ug/L	1	07/18/2025 1313	07/19/2025 0344	KP
Acetone	ND	10	V1	ug/L	1	07/18/2025 1313	07/19/2025 0344	KP
Benzene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0344	KP
Bromodichloromethane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0344	KP
Bromoform	ND	2.0		ug/L	1	07/18/2025 1313	07/19/2025 0344	KP
Carbon tetrachloride	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0344	KP
Chlorobenzene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0344	KP
Chloroform	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0344	KP
Chloromethane	ND	1.0	V1	ug/L	1	07/18/2025 1313	07/19/2025 0344	KP
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0344	KP
Dibromochloromethane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0344	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0344	KP
Ethylbenzene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0344	KP
m,p-Xylene	ND	1.0		ug/L	1	07/18/2025 1313	07/19/2025 0344	KP
Methylene chloride	ND	1.0		ug/L	1	07/18/2025 1313	07/19/2025 0344	KP
o-Xylene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0344	KP
Tetrachloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0344	KP
Toluene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0344	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0344	KP
Trichloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0344	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0344	KP
Vinyl chloride	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0344	KP
Surr: 4-Bromofluorobenzene	*93*	*70-130*		*%REC*	*1*	*07/18/2025 1313*	*07/19/2025 344*	*KP*
Surr: Dibromofluoromethane	*96*	*70-130*		*%REC*	*1*	*07/18/2025 1313*	*07/19/2025 344*	*KP*
Surr: Toluene-d8	*92*	*70-130*		*%REC*	*1*	*07/18/2025 1313*	*07/19/2025 344*	*KP*

Turner Laboratories, Inc.

Date: 07/29/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-071125-KB-27
Project:	TIA Routine Op	**Collection Date/Time:**	07/11/2025 1255
Work Order:	25G0405	**Matrix:**	Ground Water
Lab Sample ID:	25G0405-03	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0424	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/18/2025 1313	07/19/2025 0424	KP
1,1-Dichloroethane	2.0	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0424	KP
1,1-Dichloroethene	5.4	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0424	KP
1,2-Dichloroethane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0424	KP
1,2-Dichloropropane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0424	KP
2-Butanone (MEK)	ND	10		ug/L	1	07/18/2025 1313	07/19/2025 0424	KP
Acetone	ND	10	V1	ug/L	1	07/18/2025 1313	07/19/2025 0424	KP
Benzene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0424	KP
Bromodichloromethane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0424	KP
Bromoform	ND	2.0		ug/L	1	07/18/2025 1313	07/19/2025 0424	KP
Carbon tetrachloride	0.77	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0424	KP
Chlorobenzene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0424	KP
Chloroform	1.0	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0424	KP
Chloromethane	ND	1.0	V1	ug/L	1	07/18/2025 1313	07/19/2025 0424	KP
cis-1,2-Dichloroethene	1.3	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0424	KP
Dibromochloromethane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0424	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0424	KP
Ethylbenzene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0424	KP
m,p-Xylene	ND	1.0		ug/L	1	07/18/2025 1313	07/19/2025 0424	KP
Methylene chloride	ND	1.0		ug/L	1	07/18/2025 1313	07/19/2025 0424	KP
o-Xylene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0424	KP
Tetrachloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0424	KP
Toluene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0424	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0424	KP
Trichloroethene	33	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0424	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0424	KP
Vinyl chloride	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0424	KP
Surr: 4-Bromofluorobenzene	*94*	*70-130*		*%REC*	*1*	*07/18/2025 1313*	*07/19/2025 424*	*KP*
Surr: Dibromofluoromethane	*98*	*70-130*		*%REC*	*1*	*07/18/2025 1313*	*07/19/2025 424*	*KP*
Surr: Toluene-d8	*96*	*70-130*		*%REC*	*1*	*07/18/2025 1313*	*07/19/2025 424*	*KP*

Turner Laboratories, Inc.

Date: 07/29/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-071425-KB-28
Project:	TIA Routine Op	**Collection Date/Time:**	07/14/2025 0805
Work Order:	25G0405	**Matrix:**	Ground Water
Lab Sample ID:	25G0405-04	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0505	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/18/2025 1313	07/19/2025 0505	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0505	KP
1,1-Dichloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0505	KP
1,2-Dichloroethane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0505	KP
1,2-Dichloropropane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0505	KP
2-Butanone (MEK)	ND	10		ug/L	1	07/18/2025 1313	07/19/2025 0505	KP
Acetone	ND	10	V1	ug/L	1	07/18/2025 1313	07/19/2025 0505	KP
Benzene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0505	KP
Bromodichloromethane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0505	KP
Bromoform	ND	2.0		ug/L	1	07/18/2025 1313	07/19/2025 0505	KP
Carbon tetrachloride	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0505	KP
Chlorobenzene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0505	KP
Chloroform	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0505	KP
Chloromethane	ND	1.0	V1	ug/L	1	07/18/2025 1313	07/19/2025 0505	KP
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0505	KP
Dibromochloromethane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0505	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0505	KP
Ethylbenzene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0505	KP
m,p-Xylene	ND	1.0		ug/L	1	07/18/2025 1313	07/19/2025 0505	KP
Methylene chloride	ND	1.0		ug/L	1	07/18/2025 1313	07/19/2025 0505	KP
o-Xylene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0505	KP
Tetrachloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0505	KP
Toluene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0505	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0505	KP
Trichloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0505	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0505	KP
Vinyl chloride	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0505	KP
Surr: 4-Bromofluorobenzene	*92*	*70-130*		*%REC*	*1*	*07/18/2025 1313*	*07/19/2025 505*	*KP*
Surr: Dibromofluoromethane	*97*	*70-130*		*%REC*	*1*	*07/18/2025 1313*	*07/19/2025 505*	*KP*
Surr: Toluene-d8	*93*	*70-130*		*%REC*	*1*	*07/18/2025 1313*	*07/19/2025 505*	*KP*

Turner Laboratories, Inc.

Date: 07/29/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-071425-KB-29
Project:	TIA Routine Op	**Collection Date/Time:**	07/14/2025 0855
Work Order:	25G0405	**Matrix:**	Ground Water
Lab Sample ID:	25G0405-05	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0545	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/18/2025 1313	07/19/2025 0545	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0545	KP
1,1-Dichloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0545	KP
1,2-Dichloroethane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0545	KP
1,2-Dichloropropane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0545	KP
2-Butanone (MEK)	ND	10		ug/L	1	07/18/2025 1313	07/19/2025 0545	KP
Acetone	ND	10	V1	ug/L	1	07/18/2025 1313	07/19/2025 0545	KP
Benzene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0545	KP
Bromodichloromethane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0545	KP
Bromoform	ND	2.0		ug/L	1	07/18/2025 1313	07/19/2025 0545	KP
Carbon tetrachloride	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0545	KP
Chlorobenzene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0545	KP
Chloroform	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0545	KP
Chloromethane	ND	1.0	V1	ug/L	1	07/18/2025 1313	07/19/2025 0545	KP
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0545	KP
Dibromochloromethane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0545	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0545	KP
Ethylbenzene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0545	KP
m,p-Xylene	ND	1.0		ug/L	1	07/18/2025 1313	07/19/2025 0545	KP
Methylene chloride	ND	1.0		ug/L	1	07/18/2025 1313	07/19/2025 0545	KP
o-Xylene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0545	KP
Tetrachloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0545	KP
Toluene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0545	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0545	KP
Trichloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0545	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0545	KP
Vinyl chloride	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0545	KP
Surr: 4-Bromofluorobenzene	*92*	*70-130*		*%REC*	*1*	*07/18/2025 1313*	*07/19/2025 545*	*KP*
Surr: Dibromofluoromethane	*97*	*70-130*		*%REC*	*1*	*07/18/2025 1313*	*07/19/2025 545*	*KP*
Surr: Toluene-d8	*94*	*70-130*		*%REC*	*1*	*07/18/2025 1313*	*07/19/2025 545*	*KP*

Turner Laboratories, Inc.

Date: 07/29/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-071425-KB-30
Project:	TIA Routine Op	**Collection Date/Time:**	07/14/2025 0935
Work Order:	25G0405	**Matrix:**	Ground Water
Lab Sample ID:	25G0405-06	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0827	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/18/2025 1313	07/19/2025 0827	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0827	KP
1,1-Dichloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0827	KP
1,2-Dichloroethane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0827	KP
1,2-Dichloropropane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0827	KP
2-Butanone (MEK)	ND	10		ug/L	1	07/18/2025 1313	07/19/2025 0827	KP
Acetone	ND	10	V1	ug/L	1	07/18/2025 1313	07/19/2025 0827	KP
Benzene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0827	KP
Bromodichloromethane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0827	KP
Bromoform	ND	2.0		ug/L	1	07/18/2025 1313	07/19/2025 0827	KP
Carbon tetrachloride	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0827	KP
Chlorobenzene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0827	KP
Chloroform	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0827	KP
Chloromethane	ND	1.0	V1	ug/L	1	07/18/2025 1313	07/19/2025 0827	KP
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0827	KP
Dibromochloromethane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0827	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0827	KP
Ethylbenzene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0827	KP
m,p-Xylene	ND	1.0		ug/L	1	07/18/2025 1313	07/19/2025 0827	KP
Methylene chloride	ND	1.0		ug/L	1	07/18/2025 1313	07/19/2025 0827	KP
o-Xylene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0827	KP
Tetrachloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0827	KP
Toluene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0827	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0827	KP
Trichloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0827	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0827	KP
Vinyl chloride	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0827	KP
Surr: 4-Bromofluorobenzene	*91*	*70-130*		*%REC*	*1*	*07/18/2025 1313*	*07/19/2025 827*	*KP*
Surr: Dibromofluoromethane	*95*	*70-130*		*%REC*	*1*	*07/18/2025 1313*	*07/19/2025 827*	*KP*
Surr: Toluene-d8	*92*	*70-130*		*%REC*	*1*	*07/18/2025 1313*	*07/19/2025 827*	*KP*

Turner Laboratories, Inc.

Date: 07/29/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-071425-KB-31
Project:	TIA Routine Op	**Collection Date/Time:**	07/14/2025 1025
Work Order:	25G0405	**Matrix:**	Ground Water
Lab Sample ID:	25G0405-07	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0908	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/18/2025 1313	07/19/2025 0908	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0908	KP
1,1-Dichloroethene	2.5	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0908	KP
1,2-Dichloroethane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0908	KP
1,2-Dichloropropane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0908	KP
2-Butanone (MEK)	ND	10		ug/L	1	07/18/2025 1313	07/19/2025 0908	KP
Acetone	ND	10	V1	ug/L	1	07/18/2025 1313	07/19/2025 0908	KP
Benzene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0908	KP
Bromodichloromethane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0908	KP
Bromoform	ND	2.0		ug/L	1	07/18/2025 1313	07/19/2025 0908	KP
Carbon tetrachloride	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0908	KP
Chlorobenzene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0908	KP
Chloroform	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0908	KP
Chloromethane	ND	1.0	V1	ug/L	1	07/18/2025 1313	07/19/2025 0908	KP
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0908	KP
Dibromochloromethane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0908	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0908	KP
Ethylbenzene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0908	KP
m,p-Xylene	ND	1.0		ug/L	1	07/18/2025 1313	07/19/2025 0908	KP
Methylene chloride	ND	1.0		ug/L	1	07/18/2025 1313	07/19/2025 0908	KP
o-Xylene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0908	KP
Tetrachloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0908	KP
Toluene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0908	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0908	KP
Trichloroethene	24	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0908	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0908	KP
Vinyl chloride	ND	0.50		ug/L	1	07/18/2025 1313	07/19/2025 0908	KP
Surr: 4-Bromofluorobenzene	*93*	*70-130*		*%REC*	*1*	*07/18/2025 1313*	*07/19/2025 908*	*KP*
Surr: Dibromofluoromethane	*98*	*70-130*		*%REC*	*1*	*07/18/2025 1313*	*07/19/2025 908*	*KP*
Surr: Toluene-d8	*93*	*70-130*		*%REC*	*1*	*07/18/2025 1313*	*07/19/2025 908*	*KP*

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25G0405
Date Received: 07/14/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2507195 - SW8260B										
Blank (2507195-BLK1)				Prepared & Analyzed: 07/18/2025						
1,1,1-Trichloroethane	ND	0.50	ug/L							
1,1,2-Trichlorotrifluoroethane	ND	5.0	ug/L							
1,1-Dichloroethane	ND	0.50	ug/L							
1,1-Dichloroethene	ND	0.50	ug/L							
1,2-Dichloroethane	ND	0.50	ug/L							
1,2-Dichloropropane	ND	0.50	ug/L							
2-Butanone (MEK)	ND	10	ug/L							
Acetone	ND	10	ug/L							
Benzene	ND	0.50	ug/L							
Bromodichloromethane	ND	0.50	ug/L							
Bromoform	ND	2.0	ug/L							
Carbon tetrachloride	ND	0.50	ug/L							
Chlorobenzene	ND	0.50	ug/L							
Chloroform	ND	0.50	ug/L							
Chloromethane	ND	1.0	ug/L							
cis-1,2-Dichloroethene	ND	0.50	ug/L							
Dibromochloromethane	ND	0.50	ug/L							
Dichlorodifluoromethane	ND	0.50	ug/L							
Ethylbenzene	ND	0.50	ug/L							
m,p-Xylene	ND	1.0	ug/L							
Methylene chloride	ND	1.0	ug/L							
o-Xylene	ND	0.50	ug/L							
Tetrachloroethene	ND	0.50	ug/L							
Toluene	ND	0.50	ug/L							
trans-1,2-Dichloroethene	ND	0.50	ug/L							
Trichloroethene	ND	0.50	ug/L							
Trichlorofluoromethane	ND	0.50	ug/L							
Vinyl chloride	ND	0.50	ug/L							
Surrogate: 4-Bromofluorobenzene	*24.4*		*ug/L*	*25.00*		*98*	*70-130*			
Surrogate: Dibromofluoromethane	*23.6*		*ug/L*	*25.00*		*95*	*70-130*			
Surrogate: Toluene-d8	*24.1*		*ug/L*	*25.00*		*96*	*70-130*			

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25G0405
Date Received: 07/14/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2507195 - SW8260B										
Blank (2507195-BLK2)				Prepared: 07/18/2025 Analyzed: 07/19/2025						
1,1,1-Trichloroethane	ND	0.50	ug/L							
1,1,2-Trichlorotrifluoroethane	ND	5.0	ug/L							
1,1-Dichloroethane	ND	0.50	ug/L							
1,1-Dichloroethene	ND	0.50	ug/L							
1,2-Dichloroethane	ND	0.50	ug/L							
1,2-Dichloropropane	ND	0.50	ug/L							
2-Butanone (MEK)	ND	10	ug/L							
Acetone	ND	10	ug/L							
Benzene	ND	0.50	ug/L							
Bromodichloromethane	ND	0.50	ug/L							
Bromoform	ND	2.0	ug/L							
Carbon tetrachloride	ND	0.50	ug/L							
Chlorobenzene	ND	0.50	ug/L							
Chloroform	ND	0.50	ug/L							
Chloromethane	ND	1.0	ug/L							
cis-1,2-Dichloroethene	ND	0.50	ug/L							
Dibromochloromethane	ND	0.50	ug/L							
Dichlorodifluoromethane	ND	0.50	ug/L							
Ethylbenzene	ND	0.50	ug/L							
m,p-Xylene	ND	1.0	ug/L							
Methylene chloride	ND	1.0	ug/L							
o-Xylene	ND	0.50	ug/L							
Tetrachloroethene	ND	0.50	ug/L							
Toluene	ND	0.50	ug/L							
trans-1,2-Dichloroethene	ND	0.50	ug/L							
Trichloroethene	ND	0.50	ug/L							
Trichlorofluoromethane	ND	0.50	ug/L							
Vinyl chloride	ND	0.50	ug/L							
Surrogate: 4-Bromofluorobenzene	*23.1*		*ug/L*	*25.00*		*92*	*70-130*			
Surrogate: Dibromofluoromethane	*23.8*		*ug/L*	*25.00*		*95*	*70-130*			
Surrogate: Toluene-d8	*23.5*		*ug/L*	*25.00*		*94*	*70-130*			
LCS (2507195-BS1)				Prepared & Analyzed: 07/18/2025						
1,1-Dichloroethene	22		ug/L	25.00		88	70-130			
Benzene	22		ug/L	25.00		90	70-130			
Chlorobenzene	25		ug/L	25.00		98	70-130			
Toluene	24		ug/L	25.00		96	70-130			
Trichloroethene	24		ug/L	25.00		96	70-130			
Surrogate: 4-Bromofluorobenzene	*24.5*		*ug/L*	*25.00*		*98*	*70-130*			
Surrogate: Dibromofluoromethane	*23.0*		*ug/L*	*25.00*		*92*	*70-130*			
Surrogate: Toluene-d8	*24.2*		*ug/L*	*25.00*		*97*	*70-130*			

Turner Laboratories, Inc.

Date: 07/29/2025

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25G0405
Date Received: 07/14/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2507195 - SW8260B										
LCS (2507195-BS2)				Prepared: 07/18/2025 Analyzed: 07/19/2025						
1,1-Dichloroethene	23		ug/L	25.00		90	70-130			
Benzene	24		ug/L	25.00		94	70-130			
Chlorobenzene	25		ug/L	25.00		102	70-130			
Toluene	25		ug/L	25.00		100	70-130			
Trichloroethene	24		ug/L	25.00		97	70-130			
Surrogate: 4-Bromofluorobenzene	*23.5*		*ug/L*	*25.00*		*94*	*70-130*			
Surrogate: Dibromofluoromethane	*21.8*		*ug/L*	*25.00*		*87*	*70-130*			
Surrogate: Toluene-d8	*24.1*		*ug/L*	*25.00*		*96*	*70-130*			
LCS Dup (2507195-BSD1)				Prepared & Analyzed: 07/18/2025						
1,1-Dichloroethene	21		ug/L	25.00		85	70-130	4	30	
Benzene	22		ug/L	25.00		89	70-130	1	30	
Chlorobenzene	23		ug/L	25.00		94	70-130	5	30	
Toluene	22		ug/L	25.00		89	70-130	7	30	
Trichloroethene	23		ug/L	25.00		92	70-130	5	30	
Surrogate: 4-Bromofluorobenzene	*23.5*		*ug/L*	*25.00*		*94*	*70-130*			
Surrogate: Dibromofluoromethane	*23.5*		*ug/L*	*25.00*		*94*	*70-130*			
Surrogate: Toluene-d8	*22.8*		*ug/L*	*25.00*		*91*	*70-130*			
LCS Dup (2507195-BSD2)				Prepared: 07/18/2025 Analyzed: 07/19/2025						
1,1-Dichloroethene	22		ug/L	25.00		90	70-130	0.8	30	
Benzene	23		ug/L	25.00		94	70-130	0.2	30	
Chlorobenzene	25		ug/L	25.00		99	70-130	2	30	
Toluene	24		ug/L	25.00		98	70-130	2	30	
Trichloroethene	24		ug/L	25.00		96	70-130	1	30	
Surrogate: 4-Bromofluorobenzene	*22.3*		*ug/L*	*25.00*		*89*	*70-130*			
Surrogate: Dibromofluoromethane	*21.3*		*ug/L*	*25.00*		*85*	*70-130*			
Surrogate: Toluene-d8	*22.8*		*ug/L*	*25.00*		*91*	*70-130*			
Matrix Spike (2507195-MS1)		**Source: 25G0321-14**		Prepared: 07/18/2025 Analyzed: 07/19/2025						
1,1-Dichloroethene	22		ug/L	25.00	0.010	89	70-130			
Benzene	24		ug/L	25.00	0.010	94	70-130			
Chlorobenzene	25		ug/L	25.00	0.010	99	70-130			
Toluene	25		ug/L	25.00	0.0	98	70-130			
Trichloroethene	24		ug/L	25.00	0.030	96	70-130			
Surrogate: 4-Bromofluorobenzene	*23.0*		*ug/L*	*25.00*		*92*	*70-130*			
Surrogate: Dibromofluoromethane	*23.3*		*ug/L*	*25.00*		*93*	*70-130*			
Surrogate: Toluene-d8	*24.1*		*ug/L*	*25.00*		*96*	*70-130*			
Matrix Spike (2507195-MS2)		**Source: 25G0405-05**		Prepared: 07/18/2025 Analyzed: 07/19/2025						
1,1-Dichloroethene	22		ug/L	25.00	0.010	89	70-130			
Benzene	24		ug/L	25.00	0.0	95	70-130			
Chlorobenzene	25		ug/L	25.00	0.0	102	70-130			
Toluene	25		ug/L	25.00	0.0	98	70-130			
Trichloroethene	24		ug/L	25.00	0.0	97	70-130			
Surrogate: 4-Bromofluorobenzene	*22.3*		*ug/L*	*25.00*		*89*	*70-130*			
Surrogate: Dibromofluoromethane	*22.9*		*ug/L*	*25.00*		*92*	*70-130*			
Surrogate: Toluene-d8	*23.4*		*ug/L*	*25.00*		*94*	*70-130*			

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25G0405
Date Received: 07/14/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2507195 - SW8260B										
Matrix Spike (2507195-MS3)		**Source: 25G0464-04**		Prepared: 07/18/2025 Analyzed: 07/19/2025						
1,1-Dichloroethene	22		ug/L	25.00	0.010	89	70-130			
Benzene	23		ug/L	25.00	0.0	93	70-130			
Chlorobenzene	25		ug/L	25.00	0.0	100	70-130			
Toluene	24		ug/L	25.00	0.020	97	70-130			
Trichloroethene	24		ug/L	25.00	0.010	96	70-130			
Surrogate: 4-Bromofluorobenzene	*23.2*		*ug/L*	*25.00*		*93*	*70-130*			
Surrogate: Dibromofluoromethane	*23.0*		*ug/L*	*25.00*		*92*	*70-130*			
Surrogate: Toluene-d8	*23.9*		*ug/L*	*25.00*		*95*	*70-130*			
Matrix Spike Dup (2507195-MSD1)		**Source: 25G0321-14**		Prepared: 07/18/2025 Analyzed: 07/19/2025						
1,1-Dichloroethene	22		ug/L	25.00	0.010	88	70-130	0.4	30	
Benzene	23		ug/L	25.00	0.010	93	70-130	0.7	30	
Chlorobenzene	25		ug/L	25.00	0.010	99	70-130	0.6	30	
Toluene	24		ug/L	25.00	0.0	95	70-130	3	30	
Trichloroethene	24		ug/L	25.00	0.030	94	70-130	2	30	
Surrogate: 4-Bromofluorobenzene	*23.4*		*ug/L*	*25.00*		*94*	*70-130*			
Surrogate: Dibromofluoromethane	*23.4*		*ug/L*	*25.00*		*94*	*70-130*			
Surrogate: Toluene-d8	*23.6*		*ug/L*	*25.00*		*94*	*70-130*			
Matrix Spike Dup (2507195-MSD2)		**Source: 25G0405-05**		Prepared: 07/18/2025 Analyzed: 07/19/2025						
1,1-Dichloroethene	21		ug/L	25.00	0.010	85	70-130	5	30	
Benzene	23		ug/L	25.00	0.0	91	70-130	4	30	
Chlorobenzene	24		ug/L	25.00	0.0	94	70-130	7	30	
Toluene	23		ug/L	25.00	0.0	93	70-130	6	30	
Trichloroethene	23		ug/L	25.00	0.0	91	70-130	6	30	
Surrogate: 4-Bromofluorobenzene	*22.3*		*ug/L*	*25.00*		*89*	*70-130*			
Surrogate: Dibromofluoromethane	*23.2*		*ug/L*	*25.00*		*93*	*70-130*			
Surrogate: Toluene-d8	*22.8*		*ug/L*	*25.00*		*91*	*70-130*			
Matrix Spike Dup (2507195-MSD3)		**Source: 25G0464-04**		Prepared: 07/18/2025 Analyzed: 07/19/2025						
1,1-Dichloroethene	22		ug/L	25.00	0.010	87	70-130	2	30	
Benzene	23		ug/L	25.00	0.0	92	70-130	0.4	30	
Chlorobenzene	25		ug/L	25.00	0.0	99	70-130	1	30	
Toluene	24		ug/L	25.00	0.020	96	70-130	1	30	
Trichloroethene	24		ug/L	25.00	0.010	95	70-130	1	30	
Surrogate: 4-Bromofluorobenzene	*23.5*		*ug/L*	*25.00*		*94*	*70-130*			
Surrogate: Dibromofluoromethane	*23.2*		*ug/L*	*25.00*		*93*	*70-130*			
Surrogate: Toluene-d8	*24.1*		*ug/L*	*25.00*		*96*	*70-130*			

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TURNER LABORATORIES INC.
2445 N. Coyote Drive, Suite 104
Tucson, Arizona 85745
(520) 882-5880
Fax: (520) 882-9788
www.turnerlabs.com

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

TURNER WORK ORDER # 2560405 DATE _____ PAGE 1 OF 1

PROJECT NAME TIA Routine OP #12619196.5.5.7

CONTACT NAME : Justin Berkompas

COMPANY NAME : GHD Services, Inc.

ADDRESS : 333 E Wetmore Rd, Suite 100

CITY Tucson STATE AZ ZIP CODE 85705

PHONE 720 974-0964 FAX

SAMPLER'S SIGNATURE

CIRCLE ANALYSIS REQUESTED AND/OR CHECK THE APPROPRIATE BOX

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX*	NUMBER OF CONTAINERS	8260	LEVEL III DATA PACKAGE	ANTICIPATE HIGH CONCENTRATIO	MS/MSD
GW-071025-KB-TB	7/10/2025	1215		GW	1	X			
GW-071025-KB-26	7/10/2025	1215			3	X			
GW-071125-KB-27	7/11/2025	1255			3	X			
GW-071425-KB-28	7/14/2025	805			3	X			
GW-071425-KB-29	7/14/2025	855			3	X			
GW-071425-KB-30	7/14/2025	935			3	X			
GW-071425-KB-31	7/14/2025	1025			3	X			

7/14/25

1. RELINQUISHED BY:
Signature
Lauren Bamsback
Printed Name
GHD
Firm
7/14/25 1315
Date/Time

2. RECEIVED BY:
Signature
Printed Name
Firm
Date/Time

TURNAROUND REQUIREMENTS:
_X_GHD Standard (approx. 5 days)*
___Next day ___2 Day ___5 Day*
___ Email Preliminary Results To:
* Working Days

REPORT REQUIREMENTS:
___ I. Routine Report
___ II. Report (includes DUP,MS,MSD, as required, may be charged as samples)
___ III. Date Validation Report (Includes All Raw Data)
Add 10% to invoice

INVOICE INFORMATION:
Account ___ Y ___ N
P.O. #
Bill to:

SAMPLE RECEIPT:
RL-48
Total Containers
Temperature 3.3

3. RELINQUISHED BY:
Signature
Printed Name
Firm
Date/Time

4. RECEIVED BY:
Signature
Printed Name
TURNER LABORATORIES, INC.
Firm 7/14/25 13:15
Date/Time

*LEGEND
DW = DRINKING WATER
GW = GROUNDWATER
SD = SOLID
SG = SLUDGE
SL = SOIL
ST = STORMWATER
WW = WASTEWATER

SPECIAL INSTRUCTIONS/COMMENTS:

Compliance Analysis:	Custody Seals	Preservation Confirmation
ADEQ Forms:	Container Intact	Appropriate Head Space
Mail ADEQ Forms:	COC/Labels Agree	Received Within Hold Time

July 31, 2025

Justin Berkompas
GHD Services, Inc. - Tucson
6700 N. Oracle Rd. Suite 238
Tucson, AZ 85704

TEL (520) 203-0701
FAX

Work Order No.: 25G0516
Order Name: 12619196.5.5.7

RE: TIA Routine Op

Dear Justin Berkompas,

Turner Laboratories, Inc. received 8 sample(s) on 07/16/2025 for the analyses presented in the following report.

All results are intended to be considered in their entirety, and Turner Laboratories, Inc. is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Samples will be disposed of 30 days after issue of our report unless special arrangements are made.

The pages that follow may contain sensitive, privileged or confidential information intended solely for the addressee named above. If you receive this message and are not the agent or employee of the addressee, this communication has been sent in error. Please do not disseminate or copy any of the attached and notify the sender immediately by telephone. Please also return the attached sheet(s) to the sender by mail.

Please call if you have any questions.

Respectfully submitted,

Turner Laboratories, Inc.
ADHS License AZ0066

Elizabeth Kasik
Laboratory Director

Turner Laboratories, Inc.

Date: 07/31/2025

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25G0516
Date Received: 07/16/2025

Order: 12619196.5.5.7

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date/Time
25G0516-01	GW-071525-KB-TB	Ground Water	07/15/2025 0805
25G0516-02	GW-071525-KB-32	Ground Water	07/15/2025 0805
25G0516-03	GW-071525-KB-33	Ground Water	07/15/2025 0905
25G0516-04	GW-071525-KB-34	Ground Water	07/15/2025 1015
25G0516-05	GW-071525-KB-35	Ground Water	07/15/2025 1125
25G0516-06	GW-071625-KB-36	Ground Water	07/16/2025 1015
25G0516-07	GW-071625-KB-37	Ground Water	07/16/2025 1017
25G0516-08	GW-071625-KB-38	Ground Water	07/16/2025 1215

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25G0516
Date Received: 07/16/2025

Case Narrative

All soil, sludge, and solid matrix determinations are reported on a wet weight basis unless otherwise noted.

ND	Not Detected at or above the PQL
PQL	Practical Quantitation Limit
DF	Dilution Factor

Turner Laboratories, Inc.

Date: 07/31/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-071525-KB-TB
Project:	TIA Routine Op	**Collection Date/Time:**	07/15/2025 0805
Work Order:	25G0516	**Matrix:**	Ground Water
Lab Sample ID:	25G0516-01	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0609	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/20/2025 1255	07/21/2025 0609	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0609	KP
1,1-Dichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0609	KP
1,2-Dichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0609	KP
1,2-Dichloropropane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0609	KP
2-Butanone (MEK)	ND	10		ug/L	1	07/20/2025 1255	07/21/2025 0609	KP
Acetone	ND	10		ug/L	1	07/20/2025 1255	07/21/2025 0609	KP
Benzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0609	KP
Bromodichloromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0609	KP
Bromoform	ND	2.0		ug/L	1	07/20/2025 1255	07/21/2025 0609	KP
Carbon tetrachloride	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0609	KP
Chlorobenzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0609	KP
Chloroform	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0609	KP
Chloromethane	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 0609	KP
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0609	KP
Dibromochloromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0609	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0609	KP
Ethylbenzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0609	KP
m,p-Xylene	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 0609	KP
Methylene chloride	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 0609	KP
o-Xylene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0609	KP
Tetrachloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0609	KP
Toluene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0609	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0609	KP
Trichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0609	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0609	KP
Vinyl chloride	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0609	KP
Surr: 4-Bromofluorobenzene	*85*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 609*	*KP*
Surr: Dibromofluoromethane	*86*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 609*	*KP*
Surr: Toluene-d8	*86*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 609*	*KP*

Turner Laboratories, Inc.

Date: 07/31/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-071525-KB-32
Project:	TIA Routine Op	**Collection Date/Time:**	07/15/2025 0805
Work Order:	25G0516	**Matrix:**	Ground Water
Lab Sample ID:	25G0516-02	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0529	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/20/2025 1255	07/21/2025 0529	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0529	KP
1,1-Dichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0529	KP
1,2-Dichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0529	KP
1,2-Dichloropropane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0529	KP
2-Butanone (MEK)	ND	10		ug/L	1	07/20/2025 1255	07/21/2025 0529	KP
Acetone	ND	10		ug/L	1	07/20/2025 1255	07/21/2025 0529	KP
Benzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0529	KP
Bromodichloromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0529	KP
Bromoform	ND	2.0		ug/L	1	07/20/2025 1255	07/21/2025 0529	KP
Carbon tetrachloride	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0529	KP
Chlorobenzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0529	KP
Chloroform	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0529	KP
Chloromethane	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 0529	KP
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0529	KP
Dibromochloromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0529	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0529	KP
Ethylbenzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0529	KP
m,p-Xylene	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 0529	KP
Methylene chloride	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 0529	KP
o-Xylene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0529	KP
Tetrachloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0529	KP
Toluene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0529	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0529	KP
Trichloroethene	1.4	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0529	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0529	KP
Vinyl chloride	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0529	KP
Surr: 4-Bromofluorobenzene	*86*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 529*	*KP*
Surr: Dibromofluoromethane	*88*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 529*	*KP*
Surr: Toluene-d8	*85*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 529*	*KP*

Turner Laboratories, Inc.

Date: 07/31/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-071525-KB-33
Project:	TIA Routine Op	**Collection Date/Time:**	07/15/2025 0905
Work Order:	25G0516	**Matrix:**	Ground Water
Lab Sample ID:	25G0516-03	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0810	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/20/2025 1255	07/21/2025 0810	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0810	KP
1,1-Dichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0810	KP
1,2-Dichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0810	KP
1,2-Dichloropropane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0810	KP
2-Butanone (MEK)	ND	10		ug/L	1	07/20/2025 1255	07/21/2025 0810	KP
Acetone	ND	10		ug/L	1	07/20/2025 1255	07/21/2025 0810	KP
Benzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0810	KP
Bromodichloromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0810	KP
Bromoform	ND	2.0		ug/L	1	07/20/2025 1255	07/21/2025 0810	KP
Carbon tetrachloride	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0810	KP
Chlorobenzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0810	KP
Chloroform	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0810	KP
Chloromethane	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 0810	KP
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0810	KP
Dibromochloromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0810	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0810	KP
Ethylbenzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0810	KP
m,p-Xylene	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 0810	KP
Methylene chloride	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 0810	KP
o-Xylene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0810	KP
Tetrachloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0810	KP
Toluene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0810	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0810	KP
Trichloroethene	3.8	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0810	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0810	KP
Vinyl chloride	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0810	KP
Surr: 4-Bromofluorobenzene	*83*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 810*	*KP*
Surr: Dibromofluoromethane	*87*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 810*	*KP*
Surr: Toluene-d8	*87*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 810*	*KP*

Turner Laboratories, Inc.

Date: 07/31/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-071525-KB-34
Project:	TIA Routine Op	**Collection Date/Time:**	07/15/2025 1015
Work Order:	25G0516	**Matrix:**	Ground Water
Lab Sample ID:	25G0516-04	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0851	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/20/2025 1255	07/21/2025 0851	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0851	KP
1,1-Dichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0851	KP
1,2-Dichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0851	KP
1,2-Dichloropropane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0851	KP
2-Butanone (MEK)	ND	10		ug/L	1	07/20/2025 1255	07/21/2025 0851	KP
Acetone	ND	10		ug/L	1	07/20/2025 1255	07/21/2025 0851	KP
Benzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0851	KP
Bromodichloromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0851	KP
Bromoform	ND	2.0		ug/L	1	07/20/2025 1255	07/21/2025 0851	KP
Carbon tetrachloride	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0851	KP
Chlorobenzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0851	KP
Chloroform	1.2	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0851	KP
Chloromethane	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 0851	KP
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0851	KP
Dibromochloromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0851	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0851	KP
Ethylbenzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0851	KP
m,p-Xylene	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 0851	KP
Methylene chloride	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 0851	KP
o-Xylene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0851	KP
Tetrachloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0851	KP
Toluene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0851	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0851	KP
Trichloroethene	9.4	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0851	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0851	KP
Vinyl chloride	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0851	KP
Surr: 4-Bromofluorobenzene	*86*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 851*	*KP*
Surr: Dibromofluoromethane	*88*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 851*	*KP*
Surr: Toluene-d8	*85*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 851*	*KP*

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Date: 07/31/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-071525-KB-35
Project:	TIA Routine Op	**Collection Date/Time:**	07/15/2025 1125
Work Order:	25G0516	**Matrix:**	Ground Water
Lab Sample ID:	25G0516-05	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0931	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/20/2025 1255	07/21/2025 0931	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0931	KP
1,1-Dichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0931	KP
1,2-Dichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0931	KP
1,2-Dichloropropane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0931	KP
2-Butanone (MEK)	ND	10		ug/L	1	07/20/2025 1255	07/21/2025 0931	KP
Acetone	ND	10		ug/L	1	07/20/2025 1255	07/21/2025 0931	KP
Benzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0931	KP
Bromodichloromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0931	KP
Bromoform	ND	2.0		ug/L	1	07/20/2025 1255	07/21/2025 0931	KP
Carbon tetrachloride	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0931	KP
Chlorobenzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0931	KP
Chloroform	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0931	KP
Chloromethane	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 0931	KP
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0931	KP
Dibromochloromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0931	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0931	KP
Ethylbenzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0931	KP
m,p-Xylene	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 0931	KP
Methylene chloride	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 0931	KP
o-Xylene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0931	KP
Tetrachloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0931	KP
Toluene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0931	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0931	KP
Trichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0931	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0931	KP
Vinyl chloride	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0931	KP
Surr: 4-Bromofluorobenzene	*84*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 931*	*KP*
Surr: Dibromofluoromethane	*86*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 931*	*KP*
Surr: Toluene-d8	*85*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 931*	*KP*

Turner Laboratories, Inc.

Date: 07/31/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-071625-KB-36
Project:	TIA Routine Op	**Collection Date/Time:**	07/16/2025 1015
Work Order:	25G0516	**Matrix:**	Ground Water
Lab Sample ID:	25G0516-06	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1011	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/20/2025 1255	07/21/2025 1011	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1011	KP
1,1-Dichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1011	KP
1,2-Dichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1011	KP
1,2-Dichloropropane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1011	KP
2-Butanone (MEK)	ND	10		ug/L	1	07/20/2025 1255	07/21/2025 1011	KP
Acetone	ND	10		ug/L	1	07/20/2025 1255	07/21/2025 1011	KP
Benzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1011	KP
Bromodichloromethane	0.51	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1011	KP
Bromoform	ND	2.0		ug/L	1	07/20/2025 1255	07/21/2025 1011	KP
Carbon tetrachloride	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1011	KP
Chlorobenzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1011	KP
Chloroform	1.1	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1011	KP
Chloromethane	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 1011	KP
cis-1,2-Dichloroethene	5.1	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1011	KP
Dibromochloromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1011	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1011	KP
Ethylbenzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1011	KP
m,p-Xylene	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 1011	KP
Methylene chloride	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 1011	KP
o-Xylene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1011	KP
Tetrachloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1011	KP
Toluene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1011	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1011	KP
Trichloroethene	5.7	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1011	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1011	KP
Vinyl chloride	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1011	KP
Surr: 4-Bromofluorobenzene	*86*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 1011*	*KP*
Surr: Dibromofluoromethane	*86*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 1011*	*KP*
Surr: Toluene-d8	*87*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 1011*	*KP*

Turner Laboratories, Inc.

Date: 07/31/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-071625-KB-37
Project:	TIA Routine Op	**Collection Date/Time:**	07/16/2025 1017
Work Order:	25G0516	**Matrix:**	Ground Water
Lab Sample ID:	25G0516-07	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1051	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/20/2025 1255	07/21/2025 1051	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1051	KP
1,1-Dichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1051	KP
1,2-Dichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1051	KP
1,2-Dichloropropane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1051	KP
2-Butanone (MEK)	ND	10		ug/L	1	07/20/2025 1255	07/21/2025 1051	KP
Acetone	ND	10		ug/L	1	07/20/2025 1255	07/21/2025 1051	KP
Benzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1051	KP
Bromodichloromethane	0.51	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1051	KP
Bromoform	ND	2.0		ug/L	1	07/20/2025 1255	07/21/2025 1051	KP
Carbon tetrachloride	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1051	KP
Chlorobenzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1051	KP
Chloroform	1.1	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1051	KP
Chloromethane	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 1051	KP
cis-1,2-Dichloroethene	7.0	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1051	KP
Dibromochloromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1051	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1051	KP
Ethylbenzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1051	KP
m,p-Xylene	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 1051	KP
Methylene chloride	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 1051	KP
o-Xylene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1051	KP
Tetrachloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1051	KP
Toluene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1051	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1051	KP
Trichloroethene	5.8	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1051	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1051	KP
Vinyl chloride	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1051	KP
Surr: 4-Bromofluorobenzene	*86*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 1051*	*KP*
Surr: Dibromofluoromethane	*88*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 1051*	*KP*
Surr: Toluene-d8	*87*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 1051*	*KP*

Turner Laboratories, Inc.

Date: 07/31/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-071625-KB-38
Project:	TIA Routine Op	**Collection Date/Time:**	07/16/2025 1215
Work Order:	25G0516	**Matrix:**	Ground Water
Lab Sample ID:	25G0516-08	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1131	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/20/2025 1255	07/21/2025 1131	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1131	KP
1,1-Dichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1131	KP
1,2-Dichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1131	KP
1,2-Dichloropropane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1131	KP
2-Butanone (MEK)	ND	10		ug/L	1	07/20/2025 1255	07/21/2025 1131	KP
Acetone	ND	10		ug/L	1	07/20/2025 1255	07/21/2025 1131	KP
Benzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1131	KP
Bromodichloromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1131	KP
Bromoform	ND	2.0		ug/L	1	07/20/2025 1255	07/21/2025 1131	KP
Carbon tetrachloride	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1131	KP
Chlorobenzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1131	KP
Chloroform	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1131	KP
Chloromethane	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 1131	KP
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1131	KP
Dibromochloromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1131	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1131	KP
Ethylbenzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1131	KP
m,p-Xylene	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 1131	KP
Methylene chloride	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 1131	KP
o-Xylene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1131	KP
Tetrachloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1131	KP
Toluene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1131	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1131	KP
Trichloroethene	1.6	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1131	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1131	KP
Vinyl chloride	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1131	KP
Surr: 4-Bromofluorobenzene	*85*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 1131*	*KP*
Surr: Dibromofluoromethane	*86*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 1131*	*KP*
Surr: Toluene-d8	*87*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 1131*	*KP*

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25G0516
Date Received: 07/16/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2507201 - SW8260B										
Blank (2507201-BLK1)				Prepared & Analyzed: 07/20/2025						
1,1,1-Trichloroethane	ND	0.50	ug/L							
1,1,2-Trichlorotrifluoroethane	ND	5.0	ug/L							
1,1-Dichloroethane	ND	0.50	ug/L							
1,1-Dichloroethene	ND	0.50	ug/L							
1,2-Dichloroethane	ND	0.50	ug/L							
1,2-Dichloropropane	ND	0.50	ug/L							
2-Butanone (MEK)	ND	10	ug/L							
Acetone	ND	10	ug/L							
Benzene	ND	0.50	ug/L							
Bromodichloromethane	ND	0.50	ug/L							
Bromoform	ND	2.0	ug/L							
Carbon tetrachloride	ND	0.50	ug/L							
Chlorobenzene	ND	0.50	ug/L							
Chloroform	ND	0.50	ug/L							
Chloromethane	ND	1.0	ug/L							
cis-1,2-Dichloroethene	ND	0.50	ug/L							
Dibromochloromethane	ND	0.50	ug/L							
Dichlorodifluoromethane	ND	0.50	ug/L							
Ethylbenzene	ND	0.50	ug/L							
m,p-Xylene	ND	1.0	ug/L							
Methylene chloride	ND	1.0	ug/L							
o-Xylene	ND	0.50	ug/L							
Tetrachloroethene	ND	0.50	ug/L							
Toluene	ND	0.50	ug/L							
trans-1,2-Dichloroethene	ND	0.50	ug/L							
Trichloroethene	ND	0.50	ug/L							
Trichlorofluoromethane	ND	0.50	ug/L							
Vinyl chloride	ND	0.50	ug/L							
Surrogate: 4-Bromofluorobenzene	*21.1*		*ug/L*	*25.00*		*84*	*70-130*			
Surrogate: Dibromofluoromethane	*21.0*		*ug/L*	*25.00*		*84*	*70-130*			
Surrogate: Toluene-d8	*21.1*		*ug/L*	*25.00*		*84*	*70-130*			

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25G0516
Date Received: 07/16/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2507201 - SW8260B										
Blank (2507201-BLK2)				Prepared: 07/20/2025 Analyzed: 07/21/2025						
1,1,1-Trichloroethane	ND	0.50	ug/L							
1,1,2-Trichlorotrifluoroethane	ND	5.0	ug/L							
1,1-Dichloroethane	ND	0.50	ug/L							
1,1-Dichloroethene	ND	0.50	ug/L							
1,2-Dichloroethane	ND	0.50	ug/L							
1,2-Dichloropropane	ND	0.50	ug/L							
2-Butanone (MEK)	ND	10	ug/L							
Acetone	ND	10	ug/L							
Benzene	ND	0.50	ug/L							
Bromodichloromethane	ND	0.50	ug/L							
Bromoform	ND	2.0	ug/L							
Carbon tetrachloride	ND	0.50	ug/L							
Chlorobenzene	ND	0.50	ug/L							
Chloroform	ND	0.50	ug/L							
Chloromethane	ND	1.0	ug/L							
cis-1,2-Dichloroethene	ND	0.50	ug/L							
Dibromochloromethane	ND	0.50	ug/L							
Dichlorodifluoromethane	ND	0.50	ug/L							
Ethylbenzene	ND	0.50	ug/L							
m,p-Xylene	ND	1.0	ug/L							
Methylene chloride	ND	1.0	ug/L							
o-Xylene	ND	0.50	ug/L							
Tetrachloroethene	ND	0.50	ug/L							
Toluene	ND	0.50	ug/L							
trans-1,2-Dichloroethene	ND	0.50	ug/L							
Trichloroethene	ND	0.50	ug/L							
Trichlorofluoromethane	ND	0.50	ug/L							
Vinyl chloride	ND	0.50	ug/L							
Surrogate: 4-Bromofluorobenzene	*21.0*		*ug/L*	*25.00*		*84*	*70-130*			
Surrogate: Dibromofluoromethane	*21.1*		*ug/L*	*25.00*		*84*	*70-130*			
Surrogate: Toluene-d8	*21.3*		*ug/L*	*25.00*		*85*	*70-130*			
LCS (2507201-BS1)				Prepared & Analyzed: 07/20/2025						
1,1-Dichloroethene	22		ug/L	25.00		86	70-130			
Benzene	21		ug/L	25.00		86	70-130			
Chlorobenzene	23		ug/L	25.00		93	70-130			
Toluene	22		ug/L	25.00		89	70-130			
Trichloroethene	23		ug/L	25.00		93	70-130			
Surrogate: 4-Bromofluorobenzene	*22.1*		*ug/L*	*25.00*		*88*	*70-130*			
Surrogate: Dibromofluoromethane	*20.6*		*ug/L*	*25.00*		*82*	*70-130*			
Surrogate: Toluene-d8	*21.4*		*ug/L*	*25.00*		*86*	*70-130*			

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25G0516
Date Received: 07/16/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2507201 - SW8260B										
LCS (2507201-BS2)				Prepared: 07/20/2025 Analyzed: 07/21/2025						
1,1-Dichloroethene	21		ug/L	25.00		85	70-130			
Benzene	22		ug/L	25.00		90	70-130			
Chlorobenzene	24		ug/L	25.00		95	70-130			
Toluene	23		ug/L	25.00		93	70-130			
Trichloroethene	23		ug/L	25.00		91	70-130			
Surrogate: 4-Bromofluorobenzene	*20.9*		*ug/L*	*25.00*		*84*	*70-130*			
Surrogate: Dibromofluoromethane	*20.0*		*ug/L*	*25.00*		*80*	*70-130*			
Surrogate: Toluene-d8	*21.1*		*ug/L*	*25.00*		*84*	*70-130*			
LCS Dup (2507201-BSD1)				Prepared & Analyzed: 07/20/2025						
1,1-Dichloroethene	21		ug/L	25.00		84	70-130	2	30	
Benzene	22		ug/L	25.00		89	70-130	4	30	
Chlorobenzene	23		ug/L	25.00		93	70-130	0.6	30	
Toluene	23		ug/L	25.00		91	70-130	2	30	
Trichloroethene	23		ug/L	25.00		92	70-130	0.8	30	
Surrogate: 4-Bromofluorobenzene	*21.5*		*ug/L*	*25.00*		*86*	*70-130*			
Surrogate: Dibromofluoromethane	*21.1*		*ug/L*	*25.00*		*84*	*70-130*			
Surrogate: Toluene-d8	*21.2*		*ug/L*	*25.00*		*85*	*70-130*			
LCS Dup (2507201-BSD2)				Prepared: 07/20/2025 Analyzed: 07/21/2025						
1,1-Dichloroethene	21		ug/L	25.00		85	70-130	0.1	30	
Benzene	23		ug/L	25.00		90	70-130	0.4	30	
Chlorobenzene	24		ug/L	25.00		95	70-130	0.5	30	
Toluene	23		ug/L	25.00		93	70-130	0.6	30	
Trichloroethene	23		ug/L	25.00		92	70-130	1	30	
Surrogate: 4-Bromofluorobenzene	*21.5*		*ug/L*	*25.00*		*86*	*70-130*			
Surrogate: Dibromofluoromethane	*19.8*		*ug/L*	*25.00*		*79*	*70-130*			
Surrogate: Toluene-d8	*21.4*		*ug/L*	*25.00*		*85*	*70-130*			
Matrix Spike (2507201-MS1)		**Source: 25G0467-07**		Prepared: 07/20/2025 Analyzed: 07/21/2025						
1,1-Dichloroethene	21		ug/L	25.00	0.020	83	70-130			
Benzene	22		ug/L	25.00	0.0	89	70-130			
Chlorobenzene	23		ug/L	25.00	0.0	92	70-130			
Toluene	22		ug/L	25.00	0.010	89	70-130			
Trichloroethene	22		ug/L	25.00	0.0	90	70-130			
Surrogate: 4-Bromofluorobenzene	*21.3*		*ug/L*	*25.00*		*85*	*70-130*			
Surrogate: Dibromofluoromethane	*21.1*		*ug/L*	*25.00*		*84*	*70-130*			
Surrogate: Toluene-d8	*20.8*		*ug/L*	*25.00*		*83*	*70-130*			
Matrix Spike (2507201-MS2)		**Source: 25G0581-08**		Prepared: 07/20/2025 Analyzed: 07/21/2025						
1,1-Dichloroethene	21		ug/L	25.00	0.030	85	70-130			
Benzene	23		ug/L	25.00	0.010	91	70-130			
Chlorobenzene	24		ug/L	25.00	0.0	95	70-130			
Toluene	23		ug/L	25.00	0.0	92	70-130			
Trichloroethene	30		ug/L	25.00	7.0	94	70-130			
Surrogate: 4-Bromofluorobenzene	*21.9*		*ug/L*	*25.00*		*87*	*70-130*			
Surrogate: Dibromofluoromethane	*21.6*		*ug/L*	*25.00*		*86*	*70-130*			
Surrogate: Toluene-d8	*21.7*		*ug/L*	*25.00*		*87*	*70-130*			

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25G0516
Date Received: 07/16/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2507201 - SW8260B										
Matrix Spike (2507201-MS3)		**Source: 25G0581-09**		Prepared: 07/20/2025 Analyzed: 07/21/2025						
1,1-Dichloroethene	20		ug/L	25.00	0.35	80	70-130			
Benzene	22		ug/L	25.00	0.54	87	70-130			
Chlorobenzene	23		ug/L	25.00	0.010	91	70-130			
Toluene	22		ug/L	25.00	0.0	87	70-130			
Trichloroethene	65		ug/L	25.00	42	93	70-130			
Surrogate: 4-Bromofluorobenzene	*20.9*		*ug/L*	*25.00*		*84*	*70-130*			
Surrogate: Dibromofluoromethane	*21.7*		*ug/L*	*25.00*		*87*	*70-130*			
Surrogate: Toluene-d8	*20.4*		*ug/L*	*25.00*		*81*	*70-130*			
Matrix Spike Dup (2507201-MSD1)		**Source: 25G0467-07**		Prepared: 07/20/2025 Analyzed: 07/21/2025						
1,1-Dichloroethene	20		ug/L	25.00	0.020	82	70-130	2	30	
Benzene	22		ug/L	25.00	0.0	88	70-130	0.9	30	
Chlorobenzene	23		ug/L	25.00	0.0	92	70-130	1	30	
Toluene	22		ug/L	25.00	0.010	88	70-130	1	30	
Trichloroethene	22		ug/L	25.00	0.0	88	70-130	2	30	
Surrogate: 4-Bromofluorobenzene	*21.0*		*ug/L*	*25.00*		*84*	*70-130*			
Surrogate: Dibromofluoromethane	*21.5*		*ug/L*	*25.00*		*86*	*70-130*			
Surrogate: Toluene-d8	*21.0*		*ug/L*	*25.00*		*84*	*70-130*			
Matrix Spike Dup (2507201-MSD2)		**Source: 25G0581-08**		Prepared: 07/20/2025 Analyzed: 07/21/2025						
1,1-Dichloroethene	21		ug/L	25.00	0.030	83	70-130	2	30	
Benzene	23		ug/L	25.00	0.010	90	70-130	1	30	
Chlorobenzene	23		ug/L	25.00	0.0	93	70-130	2	30	
Toluene	23		ug/L	25.00	0.0	91	70-130	2	30	
Trichloroethene	30		ug/L	25.00	7.0	93	70-130	0.6	30	
Surrogate: 4-Bromofluorobenzene	*20.8*		*ug/L*	*25.00*		*83*	*70-130*			
Surrogate: Dibromofluoromethane	*21.0*		*ug/L*	*25.00*		*84*	*70-130*			
Surrogate: Toluene-d8	*20.5*		*ug/L*	*25.00*		*82*	*70-130*			
Matrix Spike Dup (2507201-MSD3)		**Source: 25G0581-09**		Prepared: 07/20/2025 Analyzed: 07/21/2025						
1,1-Dichloroethene	21		ug/L	25.00	0.35	82	70-130	2	30	
Benzene	23		ug/L	25.00	0.54	90	70-130	3	30	
Chlorobenzene	23		ug/L	25.00	0.010	94	70-130	2	30	
Toluene	23		ug/L	25.00	0.0	90	70-130	4	30	
Trichloroethene	65		ug/L	25.00	42	93	70-130	0.2	30	
Surrogate: 4-Bromofluorobenzene	*21.4*		*ug/L*	*25.00*		*86*	*70-130*			
Surrogate: Dibromofluoromethane	*22.1*		*ug/L*	*25.00*		*88*	*70-130*			
Surrogate: Toluene-d8	*21.2*		*ug/L*	*25.00*		*85*	*70-130*			

TURNER LABORATORIES INC.
2445 N. Coyote Drive, Suite 104
Tucson, Arizona 85745
(520) 882-5880
Fax: (520) 882-9788
www.turnerlabs.com

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

TURNER WORK ORDER # 2500516 DATE 7/16 PAGE 1 OF 1

PROJECT NAME TIA Routine OP #12619196.5.5.7

CONTACT NAME: Justin Berkompas

COMPANY NAME: GHD Services, Inc.

ADDRESS: 333 E Wetmore Rd, Suite 100

CITY Tucson STATE AZ ZIP CODE 85705

PHONE 720 974-0964 FAX

SAMPLER'S SIGNATURE

CIRCLE ANALYSIS REQUESTED AND/OR CHECK THE APPROPRIATE BOX

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX*	NUMBER OF CONTAINERS	8260	LEVEL III DATA PACKAGE	ANTICIPATE HIGH CONCENTRATIO	MS/MSD
GW-071525-KB-TB	7/15/2025	805		GW	1	X			
GW-071525-KB-32	7/15/2025	805		GW	3	X			
GW-071525-KB-33	7/15/2025	905		GW	3	X			
GW-071525-KB-34	7/15/2025	1015		GW	3	X			
GW-071525-KB-35	7/15/2025	1125		GW	3	X			
GW-071625-KB-36	7/16/2025	1015		GW	3	X			
GW-071625-KB-37	7/16/2025	1017		GW	3	X			
GW-071625-KB-38	7/16/2025	1215		GW	3	X			

7/16/25

1. RELINQUISHED BY: Signature; Kayla Banspach; Printed Name; GHD; Firm; 7/16/25 1338; Date/Time

2. RECEIVED BY: Signature; Ruben Rivera; Printed Name; Firm; 7-16-25 1338; Date/Time

TURNAROUND REQUIREMENTS:
_X_GHD Standard (approx. 5 days)*
___Next day ___2 Day ___5 Day*
___ Email Preliminary Results To:
* Working Days

REPORT REQUIREMENTS:
___ I. Routine Report
___ II. Report (includes DUP,MS,MSD, as required, may be charged as samples)
___ III. Date Validation Report (Includes All Raw Data)
Add 10% to invoice

INVOICE INFORMATION:
Account ___ Y ___ N
P.O. #
Bill to:

SAMPLE RECEIPT: IR-43
Total Containers
Temperature 2-4 / 19 / 10

3. RELINQUISHED BY: Signature; Ruben Rivera; Printed Name; Turner Lab; Firm; 7/16/25 1436; Date/Time

4. RECEIVED BY: Signature; Kathy Cabrera; Printed Name; TURNER LABORATORIES, INC.; Firm; 7/16/25 1436; Date/Time

*LEGEND
DW = DRINKING WATER
GW = GROUNDWATER
SD = SOLID
SG = SLUDGE
SL = SOIL
ST = STORMWATER
WW = WASTEWATER

SPECIAL INSTRUCTIONS/COMMENTS:

Compliance Analysis:	Custody Seals	Preservation Confirmation X
ADEQ Forms:	Container Intact X	Appropriate Head Space X
Mail ADEQ Forms:	COC/Labels Agree X	Received Within Hold Time X

August 04, 2025

Sheri Finn
GHD Services, Inc. - Tucson
6700 N. Oracle Rd. Suite 238
Tucson, AZ 85704

TEL (520) 203-0701
FAX

Work Order No.: 25G0581
Order Name: 12619196.5.5.7

RE: TIA Routine Op

Dear Sheri Finn,

Turner Laboratories, Inc. received 10 sample(s) on 07/18/2025 for the analyses presented in the following report.

All results are intended to be considered in their entirety, and Turner Laboratories, Inc. is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Samples will be disposed of 30 days after issue of our report unless special arrangements are made.

The pages that follow may contain sensitive, privileged or confidential information intended solely for the addressee named above. If you receive this message and are not the agent or employee of the addressee, this communication has been sent in error. Please do not disseminate or copy any of the attached and notify the sender immediately by telephone. Please also return the attached sheet(s) to the sender by mail.

Please call if you have any questions.

Respectfully submitted,

Turner Laboratories, Inc.
ADHS License AZ0066

Elizabeth Kasik
Laboratory Director

Turner Laboratories, Inc.

Date: 08/04/2025

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25G0581
Date Received: 07/18/2025

Order: 12619196.5.5.7

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date/Time
25G0581-01	GW-071725-KB-39	Ground Water	07/17/2025 0745
25G0581-02	GW-071725-KB-TB	Ground Water	07/17/2025 0745
25G0581-03	GW-071725-KB-40	Ground Water	07/17/2025 0915
25G0581-04	GW-071725-KB-41	Ground Water	07/17/2025 1025
25G0581-05	GW-071725-KB-42	Ground Water	07/17/2025 1027
25G0581-06	GW-071725-KB-43	Ground Water	07/17/2025 1125
25G0581-07	GW-071725-KB-44	Ground Water	07/17/2025 1127
25G0581-08	GW-071825-KB-45	Ground Water	07/18/2025 0735
25G0581-09	GW-071825-KB-46	Ground Water	07/18/2025 0845
25G0581-10	GW-071825-KB-47	Ground Water	07/18/2025 1015

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25G0581
Date Received: 07/18/2025

Case Narrative

E7	Concentration estimated. Internal standard recoveries did not meet laboratory acceptance criteria.
M1	Matrix spike recovery was high; the associated LCS/LCSD was acceptable.
S10	Surrogate recovery was above laboratory and method acceptance limits. See case narrative.

All soil, sludge, and solid matrix determinations are reported on a wet weight basis unless otherwise noted.

ND	Not Detected at or above the PQL
PQL	Practical Quantitation Limit
DF	Dilution Factor

Turner Laboratories, Inc.

Date: 08/04/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-071725-KB-39
Project:	TIA Routine Op	**Collection Date/Time:**	07/17/2025 0745
Work Order:	25G0581	**Matrix:**	Ground Water
Lab Sample ID:	25G0581-01	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1211	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/20/2025 1255	07/21/2025 1211	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1211	KP
1,1-Dichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1211	KP
1,2-Dichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1211	KP
1,2-Dichloropropane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1211	KP
2-Butanone (MEK)	ND	10		ug/L	1	07/20/2025 1255	07/21/2025 1211	KP
Acetone	ND	10		ug/L	1	07/20/2025 1255	07/21/2025 1211	KP
Benzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1211	KP
Bromodichloromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1211	KP
Bromoform	ND	2.0		ug/L	1	07/20/2025 1255	07/21/2025 1211	KP
Carbon tetrachloride	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1211	KP
Chlorobenzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1211	KP
Chloroform	6.9	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1211	KP
Chloromethane	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 1211	KP
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1211	KP
Dibromochloromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1211	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1211	KP
Ethylbenzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1211	KP
m,p-Xylene	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 1211	KP
Methylene chloride	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 1211	KP
o-Xylene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1211	KP
Tetrachloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1211	KP
Toluene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1211	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1211	KP
Trichloroethene	2.1	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1211	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1211	KP
Vinyl chloride	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1211	KP
Surr: 4-Bromofluorobenzene	*84*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 1211*	*KP*
Surr: Dibromofluoromethane	*86*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 1211*	*KP*
Surr: Toluene-d8	*86*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 1211*	*KP*

Turner Laboratories, Inc.

Date: 08/04/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-071725-KB-TB
Project:	TIA Routine Op	**Collection Date/Time:**	07/17/2025 0745
Work Order:	25G0581	**Matrix:**	Ground Water
Lab Sample ID:	25G0581-02	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0730	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/20/2025 1255	07/21/2025 0730	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0730	KP
1,1-Dichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0730	KP
1,2-Dichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0730	KP
1,2-Dichloropropane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0730	KP
2-Butanone (MEK)	ND	10		ug/L	1	07/20/2025 1255	07/21/2025 0730	KP
Acetone	ND	10		ug/L	1	07/20/2025 1255	07/21/2025 0730	KP
Benzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0730	KP
Bromodichloromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0730	KP
Bromoform	ND	2.0		ug/L	1	07/20/2025 1255	07/21/2025 0730	KP
Carbon tetrachloride	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0730	KP
Chlorobenzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0730	KP
Chloroform	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0730	KP
Chloromethane	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 0730	KP
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0730	KP
Dibromochloromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0730	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0730	KP
Ethylbenzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0730	KP
m,p-Xylene	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 0730	KP
Methylene chloride	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 0730	KP
o-Xylene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0730	KP
Tetrachloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0730	KP
Toluene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0730	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0730	KP
Trichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0730	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0730	KP
Vinyl chloride	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 0730	KP
Surr: 4-Bromofluorobenzene	*84*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 730*	*KP*
Surr: Dibromofluoromethane	*87*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 730*	*KP*
Surr: Toluene-d8	*85*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 730*	*KP*

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Date: 08/04/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-071725-KB-40
Project:	TIA Routine Op	**Collection Date/Time:**	07/17/2025 0915
Work Order:	25G0581	**Matrix:**	Ground Water
Lab Sample ID:	25G0581-03	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1251	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/20/2025 1255	07/21/2025 1251	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1251	KP
1,1-Dichloroethene	0.79	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1251	KP
1,2-Dichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1251	KP
1,2-Dichloropropane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1251	KP
2-Butanone (MEK)	ND	10		ug/L	1	07/20/2025 1255	07/21/2025 1251	KP
Acetone	ND	10		ug/L	1	07/20/2025 1255	07/21/2025 1251	KP
Benzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1251	KP
Bromodichloromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1251	KP
Bromoform	ND	2.0		ug/L	1	07/20/2025 1255	07/21/2025 1251	KP
Carbon tetrachloride	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1251	KP
Chlorobenzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1251	KP
Chloroform	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1251	KP
Chloromethane	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 1251	KP
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1251	KP
Dibromochloromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1251	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1251	KP
Ethylbenzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1251	KP
m,p-Xylene	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 1251	KP
Methylene chloride	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 1251	KP
o-Xylene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1251	KP
Tetrachloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1251	KP
Toluene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1251	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1251	KP
Trichloroethene	9.2	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1251	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1251	KP
Vinyl chloride	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1251	KP
Surr: 4-Bromofluorobenzene	*85*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 1251*	*KP*
Surr: Dibromofluoromethane	*85*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 1251*	*KP*
Surr: Toluene-d8	*87*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 1251*	*KP*

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Date: 08/04/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-071725-KB-41
Project:	TIA Routine Op	**Collection Date/Time:**	07/17/2025 1025
Work Order:	25G0581	**Matrix:**	Ground Water
Lab Sample ID:	25G0581-04	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1331	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/20/2025 1255	07/21/2025 1331	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1331	KP
1,1-Dichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1331	KP
1,2-Dichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1331	KP
1,2-Dichloropropane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1331	KP
2-Butanone (MEK)	ND	10		ug/L	1	07/20/2025 1255	07/21/2025 1331	KP
Acetone	ND	10		ug/L	1	07/20/2025 1255	07/21/2025 1331	KP
Benzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1331	KP
Bromodichloromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1331	KP
Bromoform	ND	2.0		ug/L	1	07/20/2025 1255	07/21/2025 1331	KP
Carbon tetrachloride	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1331	KP
Chlorobenzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1331	KP
Chloroform	1.1	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1331	KP
Chloromethane	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 1331	KP
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1331	KP
Dibromochloromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1331	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1331	KP
Ethylbenzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1331	KP
m,p-Xylene	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 1331	KP
Methylene chloride	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 1331	KP
o-Xylene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1331	KP
Tetrachloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1331	KP
Toluene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1331	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1331	KP
Trichloroethene	10	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1331	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1331	KP
Vinyl chloride	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1331	KP
Surr: 4-Bromofluorobenzene	*83*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 1331*	*KP*
Surr: Dibromofluoromethane	*85*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 1331*	*KP*
Surr: Toluene-d8	*85*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 1331*	*KP*

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Date: 08/04/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-071725-KB-42
Project:	TIA Routine Op	**Collection Date/Time:**	07/17/2025 1027
Work Order:	25G0581	**Matrix:**	Ground Water
Lab Sample ID:	25G0581-05	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1411	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/20/2025 1255	07/21/2025 1411	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1411	KP
1,1-Dichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1411	KP
1,2-Dichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1411	KP
1,2-Dichloropropane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1411	KP
2-Butanone (MEK)	ND	10		ug/L	1	07/20/2025 1255	07/21/2025 1411	KP
Acetone	ND	10		ug/L	1	07/20/2025 1255	07/21/2025 1411	KP
Benzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1411	KP
Bromodichloromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1411	KP
Bromoform	ND	2.0		ug/L	1	07/20/2025 1255	07/21/2025 1411	KP
Carbon tetrachloride	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1411	KP
Chlorobenzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1411	KP
Chloroform	1.1	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1411	KP
Chloromethane	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 1411	KP
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1411	KP
Dibromochloromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1411	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1411	KP
Ethylbenzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1411	KP
m,p-Xylene	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 1411	KP
Methylene chloride	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 1411	KP
o-Xylene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1411	KP
Tetrachloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1411	KP
Toluene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1411	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1411	KP
Trichloroethene	10	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1411	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1411	KP
Vinyl chloride	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1411	KP
Surr: 4-Bromofluorobenzene	*86*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 1411*	*KP*
Surr: Dibromofluoromethane	*86*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 1411*	*KP*
Surr: Toluene-d8	*87*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 1411*	*KP*

Turner Laboratories, Inc.

Date: 08/04/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-071725-KB-43
Project:	TIA Routine Op	**Collection Date/Time:**	07/17/2025 1125
Work Order:	25G0581	**Matrix:**	Ground Water
Lab Sample ID:	25G0581-06	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1451	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/20/2025 1255	07/21/2025 1451	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1451	KP
1,1-Dichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1451	KP
1,2-Dichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1451	KP
1,2-Dichloropropane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1451	KP
2-Butanone (MEK)	ND	10		ug/L	1	07/20/2025 1255	07/21/2025 1451	KP
Acetone	ND	10		ug/L	1	07/20/2025 1255	07/21/2025 1451	KP
Benzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1451	KP
Bromodichloromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1451	KP
Bromoform	ND	2.0		ug/L	1	07/20/2025 1255	07/21/2025 1451	KP
Carbon tetrachloride	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1451	KP
Chlorobenzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1451	KP
Chloroform	42	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1451	KP
Chloromethane	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 1451	KP
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1451	KP
Dibromochloromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1451	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1451	KP
Ethylbenzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1451	KP
m,p-Xylene	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 1451	KP
Methylene chloride	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 1451	KP
o-Xylene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1451	KP
Tetrachloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1451	KP
Toluene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1451	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1451	KP
Trichloroethene	0.52	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1451	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1451	KP
Vinyl chloride	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1451	KP
Surr: 4-Bromofluorobenzene	*83*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 1451*	*KP*
Surr: Dibromofluoromethane	*84*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 1451*	*KP*
Surr: Toluene-d8	*83*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 1451*	*KP*

Turner Laboratories, Inc.

Date: 08/04/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-071725-KB-44
Project:	TIA Routine Op	**Collection Date/Time:**	07/17/2025 1127
Work Order:	25G0581	**Matrix:**	Ground Water
Lab Sample ID:	25G0581-07	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1531	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/20/2025 1255	07/21/2025 1531	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1531	KP
1,1-Dichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1531	KP
1,2-Dichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1531	KP
1,2-Dichloropropane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1531	KP
2-Butanone (MEK)	ND	10		ug/L	1	07/20/2025 1255	07/21/2025 1531	KP
Acetone	ND	10		ug/L	1	07/20/2025 1255	07/21/2025 1531	KP
Benzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1531	KP
Bromodichloromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1531	KP
Bromoform	ND	2.0		ug/L	1	07/20/2025 1255	07/21/2025 1531	KP
Carbon tetrachloride	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1531	KP
Chlorobenzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1531	KP
Chloroform	44	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1531	KP
Chloromethane	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 1531	KP
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1531	KP
Dibromochloromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1531	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1531	KP
Ethylbenzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1531	KP
m,p-Xylene	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 1531	KP
Methylene chloride	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 1531	KP
o-Xylene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1531	KP
Tetrachloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1531	KP
Toluene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1531	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1531	KP
Trichloroethene	0.52	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1531	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1531	KP
Vinyl chloride	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1531	KP
Surr: 4-Bromofluorobenzene	*85*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 1531*	*KP*
Surr: Dibromofluoromethane	*86*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 1531*	*KP*
Surr: Toluene-d8	*87*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 1531*	*KP*

Turner Laboratories, Inc.

Date: 08/04/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-071825-KB-45
Project:	TIA Routine Op	**Collection Date/Time:**	07/18/2025 0735
Work Order:	25G0581	**Matrix:**	Ground Water
Lab Sample ID:	25G0581-08	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1611	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/20/2025 1255	07/21/2025 1611	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1611	KP
1,1-Dichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1611	KP
1,2-Dichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1611	KP
1,2-Dichloropropane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1611	KP
2-Butanone (MEK)	ND	10		ug/L	1	07/20/2025 1255	07/21/2025 1611	KP
Acetone	ND	10		ug/L	1	07/20/2025 1255	07/21/2025 1611	KP
Benzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1611	KP
Bromodichloromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1611	KP
Bromoform	ND	2.0		ug/L	1	07/20/2025 1255	07/21/2025 1611	KP
Carbon tetrachloride	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1611	KP
Chlorobenzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1611	KP
Chloroform	0.78	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1611	KP
Chloromethane	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 1611	KP
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1611	KP
Dibromochloromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1611	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1611	KP
Ethylbenzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1611	KP
m,p-Xylene	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 1611	KP
Methylene chloride	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 1611	KP
o-Xylene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1611	KP
Tetrachloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1611	KP
Toluene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1611	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1611	KP
Trichloroethene	7.0	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1611	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1611	KP
Vinyl chloride	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1611	KP
Surr: 4-Bromofluorobenzene	*83*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 1611*	*KP*
Surr: Dibromofluoromethane	*86*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 1611*	*KP*
Surr: Toluene-d8	*83*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 1611*	*KP*

Turner Laboratories, Inc.

Date: 08/04/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-071825-KB-46
Project:	TIA Routine Op	**Collection Date/Time:**	07/18/2025 0845
Work Order:	25G0581	**Matrix:**	Ground Water
Lab Sample ID:	25G0581-09	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1651	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/20/2025 1255	07/21/2025 1651	KP
1,1-Dichloroethane	0.98	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1651	KP
1,1-Dichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1651	KP
1,2-Dichloroethane	3.3	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1651	KP
1,2-Dichloropropane	7.2	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1651	KP
2-Butanone (MEK)	ND	10		ug/L	1	07/20/2025 1255	07/21/2025 1651	KP
Acetone	ND	10		ug/L	1	07/20/2025 1255	07/21/2025 1651	KP
Benzene	0.54	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1651	KP
Bromodichloromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1651	KP
Bromoform	ND	2.0		ug/L	1	07/20/2025 1255	07/21/2025 1651	KP
Carbon tetrachloride	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1651	KP
Chlorobenzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1651	KP
Chloroform	470	2.5		ug/L	5	07/20/2025 1255	07/23/2025 1757	PB
Chloromethane	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 1651	KP
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1651	KP
Dibromochloromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1651	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1651	KP
Ethylbenzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1651	KP
m,p-Xylene	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 1651	KP
Methylene chloride	1.1	1.0		ug/L	1	07/20/2025 1255	07/21/2025 1651	KP
o-Xylene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1651	KP
Tetrachloroethene	0.96	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1651	KP
Toluene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1651	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1651	KP
Trichloroethene	42	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1651	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1651	KP
Vinyl chloride	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1651	KP
Surr: 4-Bromofluorobenzene	*104*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/23/2025 1757*	*PB*
Surr: 4-Bromofluorobenzene	*84*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 1651*	*KP*
Surr: Dibromofluoromethane	*87*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 1651*	*KP*
Surr: Dibromofluoromethane	*97*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/23/2025 1757*	*PB*
Surr: Toluene-d8	*89*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/23/2025 1757*	*PB*
Surr: Toluene-d8	*85*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 1651*	*KP*

Turner Laboratories, Inc.

Date: 08/04/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-071825-KB-47
Project:	TIA Routine Op	**Collection Date/Time:**	07/18/2025 1015
Work Order:	25G0581	**Matrix:**	Ground Water
Lab Sample ID:	25G0581-10	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1731	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/20/2025 1255	07/21/2025 1731	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1731	KP
1,1-Dichloroethene	0.89	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1731	KP
1,2-Dichloroethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1731	KP
1,2-Dichloropropane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1731	KP
2-Butanone (MEK)	ND	10		ug/L	1	07/20/2025 1255	07/21/2025 1731	KP
Acetone	ND	10		ug/L	1	07/20/2025 1255	07/21/2025 1731	KP
Benzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1731	KP
Bromodichloromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1731	KP
Bromoform	ND	2.0		ug/L	1	07/20/2025 1255	07/21/2025 1731	KP
Carbon tetrachloride	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1731	KP
Chlorobenzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1731	KP
Chloroform	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1731	KP
Chloromethane	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 1731	KP
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1731	KP
Dibromochloromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1731	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1731	KP
Ethylbenzene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1731	KP
m,p-Xylene	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 1731	KP
Methylene chloride	ND	1.0		ug/L	1	07/20/2025 1255	07/21/2025 1731	KP
o-Xylene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1731	KP
Tetrachloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1731	KP
Toluene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1731	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1731	KP
Trichloroethene	6.4	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1731	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1731	KP
Vinyl chloride	ND	0.50		ug/L	1	07/20/2025 1255	07/21/2025 1731	KP
Surr: 4-Bromofluorobenzene	*88*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 1731*	*KP*
Surr: Dibromofluoromethane	*86*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 1731*	*KP*
Surr: Toluene-d8	*87*	*70-130*		*%REC*	*1*	*07/20/2025 1255*	*07/21/2025 1731*	*KP*

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25G0581
Date Received: 07/18/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2507201 - SW8260B										
Blank (2507201-BLK1)				Prepared & Analyzed: 07/20/2025						
1,1,1-Trichloroethane	ND	0.50	ug/L							
1,1,2-Trichlorotrifluoroethane	ND	5.0	ug/L							
1,1-Dichloroethane	ND	0.50	ug/L							
1,1-Dichloroethene	ND	0.50	ug/L							
1,2-Dichloroethane	ND	0.50	ug/L							
1,2-Dichloropropane	ND	0.50	ug/L							
2-Butanone (MEK)	ND	10	ug/L							
Acetone	ND	10	ug/L							
Benzene	ND	0.50	ug/L							
Bromodichloromethane	ND	0.50	ug/L							
Bromoform	ND	2.0	ug/L							
Carbon tetrachloride	ND	0.50	ug/L							
Chlorobenzene	ND	0.50	ug/L							
Chloroform	ND	0.50	ug/L							
Chloromethane	ND	1.0	ug/L							
cis-1,2-Dichloroethene	ND	0.50	ug/L							
Dibromochloromethane	ND	0.50	ug/L							
Dichlorodifluoromethane	ND	0.50	ug/L							
Ethylbenzene	ND	0.50	ug/L							
m,p-Xylene	ND	1.0	ug/L							
Methylene chloride	ND	1.0	ug/L							
o-Xylene	ND	0.50	ug/L							
Tetrachloroethene	ND	0.50	ug/L							
Toluene	ND	0.50	ug/L							
trans-1,2-Dichloroethene	ND	0.50	ug/L							
Trichloroethene	ND	0.50	ug/L							
Trichlorofluoromethane	ND	0.50	ug/L							
Vinyl chloride	ND	0.50	ug/L							
Surrogate: 4-Bromofluorobenzene	*21.1*		*ug/L*	*25.00*		*84*	*70-130*			
Surrogate: Dibromofluoromethane	*21.0*		*ug/L*	*25.00*		*84*	*70-130*			
Surrogate: Toluene-d8	*21.1*		*ug/L*	*25.00*		*84*	*70-130*			

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25G0581
Date Received: 07/18/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2507201 - SW8260B										
Blank (2507201-BLK2)				Prepared: 07/20/2025 Analyzed: 07/21/2025						
1,1,1-Trichloroethane	ND	0.50	ug/L							
1,1,2-Trichlorotrifluoroethane	ND	5.0	ug/L							
1,1-Dichloroethane	ND	0.50	ug/L							
1,1-Dichloroethene	ND	0.50	ug/L							
1,2-Dichloroethane	ND	0.50	ug/L							
1,2-Dichloropropane	ND	0.50	ug/L							
2-Butanone (MEK)	ND	10	ug/L							
Acetone	ND	10	ug/L							
Benzene	ND	0.50	ug/L							
Bromodichloromethane	ND	0.50	ug/L							
Bromoform	ND	2.0	ug/L							
Carbon tetrachloride	ND	0.50	ug/L							
Chlorobenzene	ND	0.50	ug/L							
Chloroform	ND	0.50	ug/L							
Chloromethane	ND	1.0	ug/L							
cis-1,2-Dichloroethene	ND	0.50	ug/L							
Dibromochloromethane	ND	0.50	ug/L							
Dichlorodifluoromethane	ND	0.50	ug/L							
Ethylbenzene	ND	0.50	ug/L							
m,p-Xylene	ND	1.0	ug/L							
Methylene chloride	ND	1.0	ug/L							
o-Xylene	ND	0.50	ug/L							
Tetrachloroethene	ND	0.50	ug/L							
Toluene	ND	0.50	ug/L							
trans-1,2-Dichloroethene	ND	0.50	ug/L							
Trichloroethene	ND	0.50	ug/L							
Trichlorofluoromethane	ND	0.50	ug/L							
Vinyl chloride	ND	0.50	ug/L							
Surrogate: 4-Bromofluorobenzene	*21.0*		*ug/L*	*25.00*		*84*	*70-130*			
Surrogate: Dibromofluoromethane	*21.1*		*ug/L*	*25.00*		*84*	*70-130*			
Surrogate: Toluene-d8	*21.3*		*ug/L*	*25.00*		*85*	*70-130*			
LCS (2507201-BS1)				Prepared & Analyzed: 07/20/2025						
1,1-Dichloroethene	22		ug/L	25.00		86	70-130			
Benzene	21		ug/L	25.00		86	70-130			
Chlorobenzene	23		ug/L	25.00		93	70-130			
Toluene	22		ug/L	25.00		89	70-130			
Trichloroethene	23		ug/L	25.00		93	70-130			
Surrogate: 4-Bromofluorobenzene	*22.1*		*ug/L*	*25.00*		*88*	*70-130*			
Surrogate: Dibromofluoromethane	*20.6*		*ug/L*	*25.00*		*82*	*70-130*			
Surrogate: Toluene-d8	*21.4*		*ug/L*	*25.00*		*86*	*70-130*			

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25G0581
Date Received: 07/18/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2507201 - SW8260B										
LCS (2507201-BS2)				Prepared: 07/20/2025 Analyzed: 07/21/2025						
1,1-Dichloroethene	21		ug/L	25.00		85	70-130			
Benzene	22		ug/L	25.00		90	70-130			
Chlorobenzene	24		ug/L	25.00		95	70-130			
Toluene	23		ug/L	25.00		93	70-130			
Trichloroethene	23		ug/L	25.00		91	70-130			
Surrogate: 4-Bromofluorobenzene	*20.9*		*ug/L*	*25.00*		*84*	*70-130*			
Surrogate: Dibromofluoromethane	*20.0*		*ug/L*	*25.00*		*80*	*70-130*			
Surrogate: Toluene-d8	*21.1*		*ug/L*	*25.00*		*84*	*70-130*			
LCS Dup (2507201-BSD1)				Prepared & Analyzed: 07/20/2025						
1,1-Dichloroethene	21		ug/L	25.00		84	70-130	2	30	
Benzene	22		ug/L	25.00		89	70-130	4	30	
Chlorobenzene	23		ug/L	25.00		93	70-130	0.6	30	
Toluene	23		ug/L	25.00		91	70-130	2	30	
Trichloroethene	23		ug/L	25.00		92	70-130	0.8	30	
Surrogate: 4-Bromofluorobenzene	*21.5*		*ug/L*	*25.00*		*86*	*70-130*			
Surrogate: Dibromofluoromethane	*21.1*		*ug/L*	*25.00*		*84*	*70-130*			
Surrogate: Toluene-d8	*21.2*		*ug/L*	*25.00*		*85*	*70-130*			
LCS Dup (2507201-BSD2)				Prepared: 07/20/2025 Analyzed: 07/21/2025						
1,1-Dichloroethene	21		ug/L	25.00		85	70-130	0.1	30	
Benzene	23		ug/L	25.00		90	70-130	0.4	30	
Chlorobenzene	24		ug/L	25.00		95	70-130	0.5	30	
Toluene	23		ug/L	25.00		93	70-130	0.6	30	
Trichloroethene	23		ug/L	25.00		92	70-130	1	30	
Surrogate: 4-Bromofluorobenzene	*21.5*		*ug/L*	*25.00*		*86*	*70-130*			
Surrogate: Dibromofluoromethane	*19.8*		*ug/L*	*25.00*		*79*	*70-130*			
Surrogate: Toluene-d8	*21.4*		*ug/L*	*25.00*		*85*	*70-130*			
Matrix Spike (2507201-MS1)		**Source: 25G0467-07**		Prepared: 07/20/2025 Analyzed: 07/21/2025						
1,1-Dichloroethene	21		ug/L	25.00	0.020	83	70-130			
Benzene	22		ug/L	25.00	0.0	89	70-130			
Chlorobenzene	23		ug/L	25.00	0.0	92	70-130			
Toluene	22		ug/L	25.00	0.010	89	70-130			
Trichloroethene	22		ug/L	25.00	0.0	90	70-130			
Surrogate: 4-Bromofluorobenzene	*21.3*		*ug/L*	*25.00*		*85*	*70-130*			
Surrogate: Dibromofluoromethane	*21.1*		*ug/L*	*25.00*		*84*	*70-130*			
Surrogate: Toluene-d8	*20.8*		*ug/L*	*25.00*		*83*	*70-130*			
Matrix Spike (2507201-MS2)		**Source: 25G0581-08**		Prepared: 07/20/2025 Analyzed: 07/21/2025						
1,1-Dichloroethene	21		ug/L	25.00	0.030	85	70-130			
Benzene	23		ug/L	25.00	0.010	91	70-130			
Chlorobenzene	24		ug/L	25.00	0.0	95	70-130			
Toluene	23		ug/L	25.00	0.0	92	70-130			
Trichloroethene	30		ug/L	25.00	7.0	94	70-130			
Surrogate: 4-Bromofluorobenzene	*21.9*		*ug/L*	*25.00*		*87*	*70-130*			
Surrogate: Dibromofluoromethane	*21.6*		*ug/L*	*25.00*		*86*	*70-130*			
Surrogate: Toluene-d8	*21.7*		*ug/L*	*25.00*		*87*	*70-130*			

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25G0581
Date Received: 07/18/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2507201 - SW8260B										
Matrix Spike (2507201-MS3)		**Source: 25G0581-09**		Prepared: 07/20/2025 Analyzed: 07/21/2025						
1,1-Dichloroethene	20		ug/L	25.00	0.35	80	70-130			
Benzene	22		ug/L	25.00	0.54	87	70-130			
Chlorobenzene	23		ug/L	25.00	0.010	91	70-130			
Toluene	22		ug/L	25.00	0.0	87	70-130			
Trichloroethene	65		ug/L	25.00	42	93	70-130			
Surrogate: 4-Bromofluorobenzene	*20.9*		*ug/L*	*25.00*		*84*	*70-130*			
Surrogate: Dibromofluoromethane	*21.7*		*ug/L*	*25.00*		*87*	*70-130*			
Surrogate: Toluene-d8	*20.4*		*ug/L*	*25.00*		*81*	*70-130*			
Matrix Spike Dup (2507201-MSD1)		**Source: 25G0467-07**		Prepared: 07/20/2025 Analyzed: 07/21/2025						
1,1-Dichloroethene	20		ug/L	25.00	0.020	82	70-130	2	30	
Benzene	22		ug/L	25.00	0.0	88	70-130	0.9	30	
Chlorobenzene	23		ug/L	25.00	0.0	92	70-130	1	30	
Toluene	22		ug/L	25.00	0.010	88	70-130	1	30	
Trichloroethene	22		ug/L	25.00	0.0	88	70-130	2	30	
Surrogate: 4-Bromofluorobenzene	*21.0*		*ug/L*	*25.00*		*84*	*70-130*			
Surrogate: Dibromofluoromethane	*21.5*		*ug/L*	*25.00*		*86*	*70-130*			
Surrogate: Toluene-d8	*21.0*		*ug/L*	*25.00*		*84*	*70-130*			
Matrix Spike Dup (2507201-MSD2)		**Source: 25G0581-08**		Prepared: 07/20/2025 Analyzed: 07/21/2025						
1,1-Dichloroethene	21		ug/L	25.00	0.030	83	70-130	2	30	
Benzene	23		ug/L	25.00	0.010	90	70-130	1	30	
Chlorobenzene	23		ug/L	25.00	0.0	93	70-130	2	30	
Toluene	23		ug/L	25.00	0.0	91	70-130	2	30	
Trichloroethene	30		ug/L	25.00	7.0	93	70-130	0.6	30	
Surrogate: 4-Bromofluorobenzene	*20.8*		*ug/L*	*25.00*		*83*	*70-130*			
Surrogate: Dibromofluoromethane	*21.0*		*ug/L*	*25.00*		*84*	*70-130*			
Surrogate: Toluene-d8	*20.5*		*ug/L*	*25.00*		*82*	*70-130*			
Matrix Spike Dup (2507201-MSD3)		**Source: 25G0581-09**		Prepared: 07/20/2025 Analyzed: 07/21/2025						
1,1-Dichloroethene	21		ug/L	25.00	0.35	82	70-130	2	30	
Benzene	23		ug/L	25.00	0.54	90	70-130	3	30	
Chlorobenzene	23		ug/L	25.00	0.010	94	70-130	2	30	
Toluene	23		ug/L	25.00	0.0	90	70-130	4	30	
Trichloroethene	65		ug/L	25.00	42	93	70-130	0.2	30	
Surrogate: 4-Bromofluorobenzene	*21.4*		*ug/L*	*25.00*		*86*	*70-130*			
Surrogate: Dibromofluoromethane	*22.1*		*ug/L*	*25.00*		*88*	*70-130*			
Surrogate: Toluene-d8	*21.2*		*ug/L*	*25.00*		*85*	*70-130*			
Batch 2507250 - SW8260B										

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25G0581
Date Received: 07/18/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2507250 - SW8260B										
Blank (2507250-BLK1)				Prepared & Analyzed: 07/23/2025						
1,1,1-Trichloroethane	ND	0.50	ug/L							
1,1,2-Trichlorotrifluoroethane	ND	5.0	ug/L							
1,1-Dichloroethane	ND	0.50	ug/L							
1,1-Dichloroethene	ND	0.50	ug/L							
1,2-Dichloroethane	ND	0.50	ug/L							
1,2-Dichloropropane	ND	0.50	ug/L							
2-Butanone (MEK)	ND	10	ug/L							
Acetone	ND	10	ug/L							
Benzene	ND	0.50	ug/L							
Bromodichloromethane	ND	0.50	ug/L							
Bromoform	ND	2.0	ug/L							
Carbon tetrachloride	ND	0.50	ug/L							
Chlorobenzene	ND	0.50	ug/L							
Chloroform	ND	0.50	ug/L							
Chloromethane	ND	1.0	ug/L							
cis-1,2-Dichloroethene	ND	0.50	ug/L							
Dibromochloromethane	ND	0.50	ug/L							
Dichlorodifluoromethane	ND	0.50	ug/L							
Ethylbenzene	ND	0.50	ug/L							
m,p-Xylene	ND	1.0	ug/L							
Methylene chloride	ND	1.0	ug/L							
o-Xylene	ND	0.50	ug/L							
Tetrachloroethene	ND	0.50	ug/L							
Toluene	ND	0.50	ug/L							
trans-1,2-Dichloroethene	ND	0.50	ug/L							
Trichloroethene	ND	0.50	ug/L							
Trichlorofluoromethane	ND	0.50	ug/L							
Vinyl chloride	ND	0.50	ug/L							
Surrogate: 4-Bromofluorobenzene	*64.7*		*ug/L*	*50.00*		*129*	*70-130*			
Surrogate: Dibromofluoromethane	*55.0*		*ug/L*	*50.00*		*110*	*70-130*			
Surrogate: Toluene-d8	*55.3*		*ug/L*	*50.00*		*111*	*70-130*			
LCS (2507250-BS1)				Prepared & Analyzed: 07/23/2025						
1,1-Dichloroethene	56	0.50	ug/L	50.00		111	70-130			
Benzene	62	0.50	ug/L	50.00		124	70-130			
Chlorobenzene	57	0.50	ug/L	50.00		114	70-130			
Toluene	55	0.50	ug/L	50.00		111	70-130			
Trichloroethene	55	0.50	ug/L	50.00		110	70-130			
Surrogate: 4-Bromofluorobenzene	*54.7*		*ug/L*	*50.00*		*109*	*70-130*			
Surrogate: Dibromofluoromethane	*49.9*		*ug/L*	*50.00*		*100*	*70-130*			
Surrogate: Toluene-d8	*48.5*		*ug/L*	*50.00*		*97*	*70-130*			

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25G0581
Date Received: 07/18/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2507250 - SW8260B										
LCS Dup (2507250-BSD1)				Prepared & Analyzed: 07/23/2025						
1,1-Dichloroethene	54	0.50	ug/L	50.00		109	70-130	2	30	
Benzene	59	0.50	ug/L	50.00		118	70-130	5	30	
Chlorobenzene	56	0.50	ug/L	50.00		113	70-130	1	30	
Toluene	55	0.50	ug/L	50.00		111	70-130	0.05	30	
Trichloroethene	53	0.50	ug/L	50.00		107	70-130	2	30	
Surrogate: 4-Bromofluorobenzene	*56.2*		*ug/L*	*50.00*		*112*	*70-130*			
Surrogate: Dibromofluoromethane	*50.2*		*ug/L*	*50.00*		*100*	*70-130*			
Surrogate: Toluene-d8	*49.7*		*ug/L*	*50.00*		*99*	*70-130*			
Matrix Spike (2507250-MS1)		**Source: 25G0698-02**		Prepared: 07/23/2025 Analyzed: 07/24/2025						
1,1-Dichloroethene	61	0.50	ug/L	50.00	ND	121	70-130			E7
Benzene	66	0.50	ug/L	50.00	ND	132	70-130			E7, M1
Chlorobenzene	57	0.50	ug/L	50.00	ND	115	70-130			E7
Toluene	59	0.50	ug/L	50.00	ND	117	70-130			E7
Trichloroethene	62	0.50	ug/L	50.00	4.3	116	70-130			E7
Surrogate: 4-Bromofluorobenzene	*63.3*		*ug/L*	*50.00*		*127*	*70-130*			*E7*
Surrogate: Dibromofluoromethane	*56.2*		*ug/L*	*50.00*		*112*	*70-130*			*E7*
Surrogate: Toluene-d8	*54.8*		*ug/L*	*50.00*		*110*	*70-130*			*E7*
Matrix Spike (2507250-MS2)		**Source: 25G0698-03**		Prepared: 07/23/2025 Analyzed: 07/24/2025						
1,1-Dichloroethene	63	0.50	ug/L	50.00	0.95	124	70-130			E7
Benzene	68	0.50	ug/L	50.00	ND	136	70-130			E7, M1
Chlorobenzene	57	0.50	ug/L	50.00	ND	114	70-130			E7
Toluene	58	0.50	ug/L	50.00	ND	117	70-130			E7
Trichloroethene	66	0.50	ug/L	50.00	6.8	119	70-130			E7
Surrogate: 4-Bromofluorobenzene	*64.9*		*ug/L*	*50.00*		*130*	*70-130*			*E7*
Surrogate: Dibromofluoromethane	*57.2*		*ug/L*	*50.00*		*114*	*70-130*			*E7*
Surrogate: Toluene-d8	*53.0*		*ug/L*	*50.00*		*106*	*70-130*			*E7*
Matrix Spike Dup (2507250-MSD1)		**Source: 25G0698-02**		Prepared: 07/23/2025 Analyzed: 07/24/2025						
1,1-Dichloroethene	66	0.50	ug/L	50.00	ND	131	70-130	8	30	E7, M1
Benzene	69	0.50	ug/L	50.00	ND	138	70-130	5	30	E7, M1
Chlorobenzene	59	0.50	ug/L	50.00	ND	119	70-130	3	30	E7
Toluene	60	0.50	ug/L	50.00	ND	121	70-130	3	30	E7
Trichloroethene	64	0.50	ug/L	50.00	4.3	120	70-130	3	30	E7
Surrogate: 4-Bromofluorobenzene	*66.0*		*ug/L*	*50.00*		*132*	*70-130*			*E7, M1*
Surrogate: Dibromofluoromethane	*60.5*		*ug/L*	*50.00*		*121*	*70-130*			*E7*
Surrogate: Toluene-d8	*56.7*		*ug/L*	*50.00*		*113*	*70-130*			*E7*
Matrix Spike Dup (2507250-MSD2)		**Source: 25G0698-03**		Prepared: 07/23/2025 Analyzed: 07/24/2025						
1,1-Dichloroethene	63	0.50	ug/L	50.00	0.95	124	70-130	0.3	30	E7
Benzene	68	0.50	ug/L	50.00	ND	136	70-130	0.3	30	E7, M1
Chlorobenzene	58	0.50	ug/L	50.00	ND	116	70-130	2	30	E7
Toluene	58	0.50	ug/L	50.00	ND	116	70-130	0.7	30	E7
Trichloroethene	66	0.50	ug/L	50.00	6.8	118	70-130	1	30	E7
Surrogate: 4-Bromofluorobenzene	*65.2*		*ug/L*	*50.00*		*130*	*70-130*			*E7, S10*
Surrogate: Dibromofluoromethane	*59.0*		*ug/L*	*50.00*		*118*	*70-130*			*E7*
Surrogate: Toluene-d8	*54.0*		*ug/L*	*50.00*		*108*	*70-130*			*E7*

CHAIN OF CUSTODY RECORD

COC Number: GHD-20250718130709

Page 1 of 1

ADDRESS:

PHONE: FAX:

S67 25G0581

Project No/Phase/Task Code: 12619196.5.5.7	Laboratory Name: Turner Laboratories, Inc.	Lab Location: 2445 N Coyote Dr, Suite 104 Tucson, AZ 85745	SSOW ID:
Project Name: TIAA Superfund Site	Lab Contact:		Cooler No:
Project Location: 900 E Susana St, Tucson, AZ 85756, Tucson, AZ			Carrier:
GHD Chemistry Contact: Sheri Finn			Airbill No:
Sampler(s): KB			Total # of Containers: 34

Item	Sample Identification (containers for each sample may be combined on one line)	Date (mm/dd/yy)	Time (hh:mm)	Sample Type: Matrix Code	Grab (G) /Comp (C)	Filtered (Y/N)	Analysis Requested: VOCs	Anticipate high concentration										Total Containers/sample	MS/MSD Request	Comments/ Special Instructions:
1	GW-071725-KB-39	07/17/25	7:45	WG	G	N	x											3		
2	GW-071725-KB-TB	07/17/25	7:45	WG	G	N	x											1		
3	GW-071725-KB-40	07/17/25	9:15	WG	G	N	x											3		
4	GW-071725-KB-41	07/17/25	10:25	WG	G	N	x	X										3		
5	GW-071725-KB-42	07/17/25	10:27	WG	G	N	x	X										3		
6	GW-071725-KB-43	07/17/25	11:25	WG	G	N	x	X										3		
7	GW-071725-KB-44	07/17/25	11:27	WG	G	N	x	X										3		
8	GW-071825-KB-45	07/18/25	7:35	WG	G	N	x	X										6	X	
9	GW-071825-KB-46	07/18/25	8:45	WG	G	N	x	X										6	X	
10	GW-071825-KB-47	07/18/25	10:15	WG	G	N	x											3		
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				

7/18/25

TAT Required in business days (use separate COCs fro different TATs)
(Standards include 1 day, 2 days, 3 days, 1 week, 2 weeks)

Notes/Special Requirements:

	Relinquished By:	Company	Date	Time	Received By:	Company	Date	Time
1		GHD	7/18/25	1320		GHD	7/18/25	1320
2		GHD	7/18/25	1350		Turner Labs	7/18/25	1350
3								

Temperature : 2.8°C IR #48

August 07, 2025

Justin Berkompas
GHD Services, Inc. - Tucson
6700 N. Oracle Rd. Suite 238
Tucson, AZ 85704

TEL (520) 203-0701
FAX

Work Order No.: 25G0698
Order Name: 12619196.5.5.7

RE: TIA Routine Op

Dear Justin Berkompas,

Turner Laboratories, Inc. received 4 sample(s) on 07/23/2025 for the analyses presented in the following report.

All results are intended to be considered in their entirety, and Turner Laboratories, Inc. is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Samples will be disposed of 30 days after issue of our report unless special arrangements are made.

The pages that follow may contain sensitive, privileged or confidential information intended solely for the addressee named above. If you receive this message and are not the agent or employee of the addressee, this communication has been sent in error. Please do not disseminate or copy any of the attached and notify the sender immediately by telephone. Please also return the attached sheet(s) to the sender by mail.

Please call if you have any questions.

Respectfully submitted,

Turner Laboratories, Inc.
ADHS License AZ0066

Elizabeth Kasik
Laboratory Director

Turner Laboratories, Inc.

Date: 08/07/2025

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25G0698
Date Received: 07/23/2025

Order: 12619196.5.5.7

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date/Time
25G0698-01	GW-072325-KB-TB	Trip Blank	07/23/2025 0755
25G0698-02	GW-072325-KB-58	Ground Water	07/23/2025 0755
25G0698-03	GW-072325-KB-60	Ground Water	07/23/2025 0925
25G0698-04	GW-072325-KB-61	Ground Water	07/23/2025 1105

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25G0698
Date Received: 07/23/2025

Case Narrative

E7	Concentration estimated. Internal standard recoveries did not meet laboratory acceptance criteria.
M1	Matrix spike recovery was high; the associated LCS/LCSD was acceptable.
S10	Surrogate recovery was above laboratory and method acceptance limits. See case narrative.

All soil, sludge, and solid matrix determinations are reported on a wet weight basis unless otherwise noted.

ND	Not Detected at or above the PQL
PQL	Practical Quantitation Limit
DF	Dilution Factor

Turner Laboratories, Inc.

Date: 08/07/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-072325-KB-TB
Project:	TIA Routine Op	**Collection Date/Time:**	07/23/2025 0755
Work Order:	25G0698	**Matrix:**	Trip Blank
Lab Sample ID:	25G0698-01	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1834	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/23/2025 1400	07/23/2025 1834	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1834	PB
1,1-Dichloroethene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1834	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1834	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1834	PB
2-Butanone (MEK)	ND	10		ug/L	1	07/23/2025 1400	07/23/2025 1834	PB
Acetone	ND	10		ug/L	1	07/23/2025 1400	07/23/2025 1834	PB
Benzene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1834	PB
Bromodichloromethane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1834	PB
Bromoform	ND	2.0		ug/L	1	07/23/2025 1400	07/23/2025 1834	PB
Carbon tetrachloride	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1834	PB
Chlorobenzene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1834	PB
Chloroform	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1834	PB
Chloromethane	ND	1.0		ug/L	1	07/23/2025 1400	07/23/2025 1834	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1834	PB
Dibromochloromethane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1834	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1834	PB
Ethylbenzene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1834	PB
m,p-Xylene	ND	1.0		ug/L	1	07/23/2025 1400	07/23/2025 1834	PB
Methylene chloride	ND	1.0		ug/L	1	07/23/2025 1400	07/23/2025 1834	PB
o-Xylene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1834	PB
Tetrachloroethene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1834	PB
Toluene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1834	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1834	PB
Trichloroethene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1834	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1834	PB
Vinyl chloride	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1834	PB
Surr: 4-Bromofluorobenzene	*122*	*70-130*		*%REC*	*1*	*07/23/2025 1400*	*07/23/2025 1834*	*PB*
Surr: Dibromofluoromethane	*107*	*70-130*		*%REC*	*1*	*07/23/2025 1400*	*07/23/2025 1834*	*PB*
Surr: Toluene-d8	*108*	*70-130*		*%REC*	*1*	*07/23/2025 1400*	*07/23/2025 1834*	*PB*

Turner Laboratories, Inc.

Date: 08/07/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-072325-KB-58
Project:	TIA Routine Op	**Collection Date/Time:**	07/23/2025 0755
Work Order:	25G0698	**Matrix:**	Ground Water
Lab Sample ID:	25G0698-02	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1946	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/23/2025 1400	07/23/2025 1946	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1946	PB
1,1-Dichloroethene	ND	0.50	M1	ug/L	1	07/23/2025 1400	07/23/2025 1946	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1946	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1946	PB
2-Butanone (MEK)	ND	10		ug/L	1	07/23/2025 1400	07/23/2025 1946	PB
Acetone	ND	10		ug/L	1	07/23/2025 1400	07/23/2025 1946	PB
Benzene	ND	0.50	M1	ug/L	1	07/23/2025 1400	07/23/2025 1946	PB
Bromodichloromethane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1946	PB
Bromoform	ND	2.0		ug/L	1	07/23/2025 1400	07/23/2025 1946	PB
Carbon tetrachloride	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1946	PB
Chlorobenzene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1946	PB
Chloroform	30	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1946	PB
Chloromethane	ND	1.0		ug/L	1	07/23/2025 1400	07/23/2025 1946	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1946	PB
Dibromochloromethane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1946	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1946	PB
Ethylbenzene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1946	PB
m,p-Xylene	ND	1.0		ug/L	1	07/23/2025 1400	07/23/2025 1946	PB
Methylene chloride	ND	1.0		ug/L	1	07/23/2025 1400	07/23/2025 1946	PB
o-Xylene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1946	PB
Tetrachloroethene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1946	PB
Toluene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1946	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1946	PB
Trichloroethene	4.3	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1946	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1946	PB
Vinyl chloride	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1946	PB
Surr: 4-Bromofluorobenzene	*120*	*70-130*		*%REC*	*1*	*07/23/2025 1400*	*07/23/2025 1946*	*PB*
Surr: Dibromofluoromethane	*107*	*70-130*		*%REC*	*1*	*07/23/2025 1400*	*07/23/2025 1946*	*PB*
Surr: Toluene-d8	*105*	*70-130*		*%REC*	*1*	*07/23/2025 1400*	*07/23/2025 1946*	*PB*

Turner Laboratories, Inc.

Date: 08/07/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-072325-KB-60
Project:	TIA Routine Op	**Collection Date/Time:**	07/23/2025 0925
Work Order:	25G0698	**Matrix:**	Ground Water
Lab Sample ID:	25G0698-03	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2022	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/23/2025 1400	07/23/2025 2022	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2022	PB
1,1-Dichloroethene	0.95	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2022	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2022	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2022	PB
2-Butanone (MEK)	ND	10		ug/L	1	07/23/2025 1400	07/23/2025 2022	PB
Acetone	ND	10		ug/L	1	07/23/2025 1400	07/23/2025 2022	PB
Benzene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2022	PB
Bromodichloromethane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2022	PB
Bromoform	ND	2.0		ug/L	1	07/23/2025 1400	07/23/2025 2022	PB
Carbon tetrachloride	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2022	PB
Chlorobenzene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2022	PB
Chloroform	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2022	PB
Chloromethane	ND	1.0		ug/L	1	07/23/2025 1400	07/23/2025 2022	PB
cis-1,2-Dichloroethene	0.64	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2022	PB
Dibromochloromethane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2022	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2022	PB
Ethylbenzene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2022	PB
m,p-Xylene	ND	1.0		ug/L	1	07/23/2025 1400	07/23/2025 2022	PB
Methylene chloride	ND	1.0		ug/L	1	07/23/2025 1400	07/23/2025 2022	PB
o-Xylene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2022	PB
Tetrachloroethene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2022	PB
Toluene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2022	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2022	PB
Trichloroethene	6.8	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2022	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2022	PB
Vinyl chloride	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2022	PB
Surr: 4-Bromofluorobenzene	*122*	*70-130*		*%REC*	*1*	*07/23/2025 1400*	*07/23/2025 2022*	*PB*
Surr: Dibromofluoromethane	*110*	*70-130*		*%REC*	*1*	*07/23/2025 1400*	*07/23/2025 2022*	*PB*
Surr: Toluene-d8	*108*	*70-130*		*%REC*	*1*	*07/23/2025 1400*	*07/23/2025 2022*	*PB*

Turner Laboratories, Inc.

Date: 08/07/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-072325-KB-61
Project:	TIA Routine Op	**Collection Date/Time:**	07/23/2025 1105
Work Order:	25G0698	**Matrix:**	Ground Water
Lab Sample ID:	25G0698-04	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	2.5		ug/L	5	07/23/2025 1400	07/23/2025 2058	PB
1,1,2-Trichlorotrifluoroethane	ND	25		ug/L	5	07/23/2025 1400	07/23/2025 2058	PB
1,1-Dichloroethane	ND	2.5		ug/L	5	07/23/2025 1400	07/23/2025 2058	PB
1,1-Dichloroethene	23	2.5		ug/L	5	07/23/2025 1400	07/23/2025 2058	PB
1,2-Dichloroethane	ND	2.5		ug/L	5	07/23/2025 1400	07/23/2025 2058	PB
1,2-Dichloropropane	4.3	2.5		ug/L	5	07/23/2025 1400	07/23/2025 2058	PB
2-Butanone (MEK)	ND	50		ug/L	5	07/23/2025 1400	07/23/2025 2058	PB
Acetone	ND	50		ug/L	5	07/23/2025 1400	07/23/2025 2058	PB
Benzene	26	2.5		ug/L	5	07/23/2025 1400	07/23/2025 2058	PB
Bromodichloromethane	ND	2.5		ug/L	5	07/23/2025 1400	07/23/2025 2058	PB
Bromoform	ND	10		ug/L	5	07/23/2025 1400	07/23/2025 2058	PB
Carbon tetrachloride	ND	2.5		ug/L	5	07/23/2025 1400	07/23/2025 2058	PB
Chlorobenzene	23	2.5		ug/L	5	07/23/2025 1400	07/23/2025 2058	PB
Chloroform	130	2.5		ug/L	5	07/23/2025 1400	07/23/2025 2058	PB
Chloromethane	ND	5.0		ug/L	5	07/23/2025 1400	07/23/2025 2058	PB
cis-1,2-Dichloroethene	ND	2.5		ug/L	5	07/23/2025 1400	07/23/2025 2058	PB
Dibromochloromethane	ND	2.5		ug/L	5	07/23/2025 1400	07/23/2025 2058	PB
Dichlorodifluoromethane	ND	2.5		ug/L	5	07/23/2025 1400	07/23/2025 2058	PB
Ethylbenzene	ND	2.5		ug/L	5	07/23/2025 1400	07/23/2025 2058	PB
m,p-Xylene	ND	5.0		ug/L	5	07/23/2025 1400	07/23/2025 2058	PB
Methylene chloride	ND	5.0		ug/L	5	07/23/2025 1400	07/23/2025 2058	PB
o-Xylene	ND	2.5		ug/L	5	07/23/2025 1400	07/23/2025 2058	PB
Tetrachloroethene	ND	2.5		ug/L	5	07/23/2025 1400	07/23/2025 2058	PB
Toluene	23	2.5		ug/L	5	07/23/2025 1400	07/23/2025 2058	PB
trans-1,2-Dichloroethene	ND	2.5		ug/L	5	07/23/2025 1400	07/23/2025 2058	PB
Trichloroethene	57	2.5		ug/L	5	07/23/2025 1400	07/23/2025 2058	PB
Trichlorofluoromethane	ND	2.5		ug/L	5	07/23/2025 1400	07/23/2025 2058	PB
Vinyl chloride	ND	2.5		ug/L	5	07/23/2025 1400	07/23/2025 2058	PB
Surr: 4-Bromofluorobenzene	*94*	*70-130*		*%REC*	*1*	*07/23/2025 1400*	*07/23/2025 2058*	*PB*
Surr: Dibromofluoromethane	*89*	*70-130*		*%REC*	*1*	*07/23/2025 1400*	*07/23/2025 2058*	*PB*
Surr: Toluene-d8	*81*	*70-130*		*%REC*	*1*	*07/23/2025 1400*	*07/23/2025 2058*	*PB*

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25G0698
Date Received: 07/23/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2507250 - SW8260B										
Blank (2507250-BLK1)				Prepared & Analyzed: 07/23/2025						
1,1,1-Trichloroethane	ND	0.50	ug/L							
1,1,2-Trichlorotrifluoroethane	ND	5.0	ug/L							
1,1-Dichloroethane	ND	0.50	ug/L							
1,1-Dichloroethene	ND	0.50	ug/L							
1,2-Dichloroethane	ND	0.50	ug/L							
1,2-Dichloropropane	ND	0.50	ug/L							
2-Butanone (MEK)	ND	10	ug/L							
Acetone	ND	10	ug/L							
Benzene	ND	0.50	ug/L							
Bromodichloromethane	ND	0.50	ug/L							
Bromoform	ND	2.0	ug/L							
Carbon tetrachloride	ND	0.50	ug/L							
Chlorobenzene	ND	0.50	ug/L							
Chloroform	ND	0.50	ug/L							
Chloromethane	ND	1.0	ug/L							
cis-1,2-Dichloroethene	ND	0.50	ug/L							
Dibromochloromethane	ND	0.50	ug/L							
Dichlorodifluoromethane	ND	0.50	ug/L							
Ethylbenzene	ND	0.50	ug/L							
m,p-Xylene	ND	1.0	ug/L							
Methylene chloride	ND	1.0	ug/L							
o-Xylene	ND	0.50	ug/L							
Tetrachloroethene	ND	0.50	ug/L							
Toluene	ND	0.50	ug/L							
trans-1,2-Dichloroethene	ND	0.50	ug/L							
Trichloroethene	ND	0.50	ug/L							
Trichlorofluoromethane	ND	0.50	ug/L							
Vinyl chloride	ND	0.50	ug/L							
Surrogate: 4-Bromofluorobenzene	*64.7*		*ug/L*	*50.00*		*129*	*70-130*			
Surrogate: Dibromofluoromethane	*55.0*		*ug/L*	*50.00*		*110*	*70-130*			
Surrogate: Toluene-d8	*55.3*		*ug/L*	*50.00*		*111*	*70-130*			
LCS (2507250-BS1)				Prepared & Analyzed: 07/23/2025						
1,1-Dichloroethene	56	0.50	ug/L	50.00		111	70-130			
Benzene	62	0.50	ug/L	50.00		124	70-130			
Chlorobenzene	57	0.50	ug/L	50.00		114	70-130			
Toluene	55	0.50	ug/L	50.00		111	70-130			
Trichloroethene	55	0.50	ug/L	50.00		110	70-130			
Surrogate: 4-Bromofluorobenzene	*54.7*		*ug/L*	*50.00*		*109*	*70-130*			
Surrogate: Dibromofluoromethane	*49.9*		*ug/L*	*50.00*		*100*	*70-130*			
Surrogate: Toluene-d8	*48.5*		*ug/L*	*50.00*		*97*	*70-130*			

Turner Laboratories, Inc.

Date: 08/07/2025

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25G0698
Date Received: 07/23/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2507250 - SW8260B										
LCS Dup (2507250-BSD1)				Prepared & Analyzed: 07/23/2025						
1,1-Dichloroethene	54	0.50	ug/L	50.00		109	70-130	2	30	
Benzene	59	0.50	ug/L	50.00		118	70-130	5	30	
Chlorobenzene	56	0.50	ug/L	50.00		113	70-130	1	30	
Toluene	55	0.50	ug/L	50.00		111	70-130	0.05	30	
Trichloroethene	53	0.50	ug/L	50.00		107	70-130	2	30	
Surrogate: 4-Bromofluorobenzene	*56.2*		*ug/L*	*50.00*		*112*	*70-130*			
Surrogate: Dibromofluoromethane	*50.2*		*ug/L*	*50.00*		*100*	*70-130*			
Surrogate: Toluene-d8	*49.7*		*ug/L*	*50.00*		*99*	*70-130*			
Matrix Spike (2507250-MS1)		**Source: 25G0698-02**		Prepared: 07/23/2025 Analyzed: 07/24/2025						
1,1-Dichloroethene	61	0.50	ug/L	50.00	ND	121	70-130			E7
Benzene	66	0.50	ug/L	50.00	ND	132	70-130			E7, M1
Chlorobenzene	57	0.50	ug/L	50.00	ND	115	70-130			E7
Toluene	59	0.50	ug/L	50.00	ND	117	70-130			E7
Trichloroethene	62	0.50	ug/L	50.00	4.3	116	70-130			E7
Surrogate: 4-Bromofluorobenzene	*63.3*		*ug/L*	*50.00*		*127*	*70-130*			*E7*
Surrogate: Dibromofluoromethane	*56.2*		*ug/L*	*50.00*		*112*	*70-130*			*E7*
Surrogate: Toluene-d8	*54.8*		*ug/L*	*50.00*		*110*	*70-130*			*E7*
Matrix Spike (2507250-MS2)		**Source: 25G0698-03**		Prepared: 07/23/2025 Analyzed: 07/24/2025						
1,1-Dichloroethene	63	0.50	ug/L	50.00	0.95	124	70-130			E7
Benzene	68	0.50	ug/L	50.00	ND	136	70-130			E7, M1
Chlorobenzene	57	0.50	ug/L	50.00	ND	114	70-130			E7
Toluene	58	0.50	ug/L	50.00	ND	117	70-130			E7
Trichloroethene	66	0.50	ug/L	50.00	6.8	119	70-130			E7
Surrogate: 4-Bromofluorobenzene	*64.9*		*ug/L*	*50.00*		*130*	*70-130*			*E7*
Surrogate: Dibromofluoromethane	*57.2*		*ug/L*	*50.00*		*114*	*70-130*			*E7*
Surrogate: Toluene-d8	*53.0*		*ug/L*	*50.00*		*106*	*70-130*			*E7*
Matrix Spike Dup (2507250-MSD1)		**Source: 25G0698-02**		Prepared: 07/23/2025 Analyzed: 07/24/2025						
1,1-Dichloroethene	66	0.50	ug/L	50.00	ND	131	70-130	8	30	E7, M1
Benzene	69	0.50	ug/L	50.00	ND	138	70-130	5	30	E7, M1
Chlorobenzene	59	0.50	ug/L	50.00	ND	119	70-130	3	30	E7
Toluene	60	0.50	ug/L	50.00	ND	121	70-130	3	30	E7
Trichloroethene	64	0.50	ug/L	50.00	4.3	120	70-130	3	30	E7
Surrogate: 4-Bromofluorobenzene	*66.0*		*ug/L*	*50.00*		*132*	*70-130*			*E7, M1*
Surrogate: Dibromofluoromethane	*60.5*		*ug/L*	*50.00*		*121*	*70-130*			*E7*
Surrogate: Toluene-d8	*56.7*		*ug/L*	*50.00*		*113*	*70-130*			*E7*
Matrix Spike Dup (2507250-MSD2)		**Source: 25G0698-03**		Prepared: 07/23/2025 Analyzed: 07/24/2025						
1,1-Dichloroethene	63	0.50	ug/L	50.00	0.95	124	70-130	0.3	30	E7
Benzene	68	0.50	ug/L	50.00	ND	136	70-130	0.3	30	E7, M1
Chlorobenzene	58	0.50	ug/L	50.00	ND	116	70-130	2	30	E7
Toluene	58	0.50	ug/L	50.00	ND	116	70-130	0.7	30	E7
Trichloroethene	66	0.50	ug/L	50.00	6.8	118	70-130	1	30	E7
Surrogate: 4-Bromofluorobenzene	*65.2*		*ug/L*	*50.00*		*130*	*70-130*			*E7, S10*
Surrogate: Dibromofluoromethane	*59.0*		*ug/L*	*50.00*		*118*	*70-130*			*E7*
Surrogate: Toluene-d8	*54.0*		*ug/L*	*50.00*		*108*	*70-130*			*E7*

Level III

TURNER LABORATORIES INC.
2445 N. Coyote Drive, Suite 104
Tucson, Arizona 85745
(520) 882-5880
Fax: (520) 882-9788
www.turnerlabs.com

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

TURNER WORK ORDER # 2510698 DATE 7/23 PAGE 1 OF 1

PROJECT NAME TIA Routine OP #12619196.5.5.7

CONTACT NAME : Justin Berkompas

COMPANY NAME : GHD Services, Inc.

ADDRESS : 333 E Wetmore Rd, Suite 100

CITY Tucson STATE AZ ZIP CODE 85705

PHONE 720 974-0964 FAX

SAMPLER'S SIGNATURE

CIRCLE ANALYSIS REQUESTED AND/OR CHECK THE APPROPRIATE BOX

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX*	NUMBER OF CONTAINERS	8260	LEVEL III DATA PACKAGE	ANTICIPATE HIGH CONCENTRATIO	MS/MSD
GW-072325-KB-TB	7/23/2025	755		GW	1	X	X		
GW-072325-KB-58	7/23/2025	755		GW	6	X	X		
GW-072325-KB-60	7/23/2025	925		GW	6	X	X		
GW-072325-KB-61	7/23/2025	1105		GW	6	X	X	X	

7/23/25

1. RELINQUISHED BY:
Signature
Kayla Bansbach
Printed Name
GHD
Firm
7/23/25 1333
Date/Time

2. RECEIVED BY:
Signature
Printed Name
Firm
7/23/25 1333
Date/Time

TURNAROUND REQUIREMENTS:
_X_GHD Standard (approx. 5 days)*
___Next day ___2 Day ___5 Day*
___ Email Preliminary Results To:
* Working Days

REPORT REQUIREMENTS:
___ I. Routine Report
___ II. Report (includes DUP,MS,MSD, as required, may be charged as samples)
___ III. Date Validation Report (Includes All Raw Data)
Add 10% to invoice

INVOICE INFORMATION:
Account ___ Y ___ N
P.O. # ___
Bill to: ___

SAMPLE RECEIPT:
112-49
Total Containers 19
Temperature 2.8

3. RELINQUISHED BY:
Signature
Printed Name
Firm
7/23/25 1424
Date/Time

4. RECEIVED BY:
Signature
Printed Name
TURNER LABORATORIES, INC.
Firm
7/23/25 1424
Date/Time

*LEGEND
DW = DRINKING WATER
GW = GROUNDWATER
SD = SOLID
SG = SLUDGE
SL = SOIL
ST = STORMWATER
WW = WASTEWATER

SPECIAL INSTRUCTIONS/COMMENTS:

Compliance Analysis:	Custody Seals	Preservation Confirmation X
ADEQ Forms:	Container Intact X	Appropriate Head Space X
Mail ADEQ Forms:	COC/Labels Agree X	Received Within Hold Time X

August 07, 2025

Justin Berkompas
GHD Services, Inc. - Tucson
6700 N. Oracle Rd. Suite 238
Tucson, AZ 85704

TEL (520) 203-0701
FAX

Work Order No.: 25G0699
Order Name: 12619196.5.5.7

RE: TIA Routine Op

Dear Justin Berkompas,

Turner Laboratories, Inc. received 12 sample(s) on 07/23/2025 for the analyses presented in the following report.

All results are intended to be considered in their entirety, and Turner Laboratories, Inc. is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Samples will be disposed of 30 days after issue of our report unless special arrangements are made.

The pages that follow may contain sensitive, privileged or confidential information intended solely for the addressee named above. If you receive this message and are not the agent or employee of the addressee, this communication has been sent in error. Please do not disseminate or copy any of the attached and notify the sender immediately by telephone. Please also return the attached sheet(s) to the sender by mail.

Please call if you have any questions.

Respectfully submitted,

Turner Laboratories, Inc.
ADHS License AZ0066

Elizabeth Kasik
Laboratory Director

Turner Laboratories, Inc.

Date: 08/07/2025

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25G0699
Date Received: 07/23/2025

Order: 12619196.5.5.7

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date/Time
25G0699-01	GW-072125-KB-TB	Trip Blank	07/21/2025 0855
25G0699-02	GW-072125-KB-48	Ground Water	07/21/2025 0855
25G0699-03	GW-072125-KB-49	Ground Water	07/21/2025 1005
25G0699-04	GW-072125-KB-50	Ground Water	07/21/2025 1105
25G0699-05	GW-072225-KB-51	Ground Water	07/22/2025 0715
25G0699-06	GW-072225-KB-52	Ground Water	07/22/2025 0735
25G0699-07	GW-072225-KB-53	Ground Water	07/22/2025 0825
25G0699-08	GW-072225-KB-54	Ground Water	07/22/2025 0935
25G0699-09	GW-072225-KB-55	Ground Water	07/22/2025 0937
25G0699-10	GW-072225-KB-56	Ground Water	07/22/2025 1105
25G0699-11	GW-072225-KB-57	Ground Water	07/22/2025 1107
25G0699-12	GW-072325-KB-59	Ground Water	07/23/2025 0835

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25G0699
Date Received: 07/23/2025

Case Narrative

E7	Concentration estimated. Internal standard recoveries did not meet laboratory acceptance criteria.
M1	Matrix spike recovery was high; the associated LCS/LCSD was acceptable.
S10	Surrogate recovery was above laboratory and method acceptance limits. See case narrative.

All soil, sludge, and solid matrix determinations are reported on a wet weight basis unless otherwise noted.

ND	Not Detected at or above the PQL
PQL	Practical Quantitation Limit
DF	Dilution Factor

Turner Laboratories, Inc.

Date: 08/07/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-072125-KB-TB
Project:	TIA Routine Op	**Collection Date/Time:**	07/21/2025 0855
Work Order:	25G0699	**Matrix:**	Trip Blank
Lab Sample ID:	25G0699-01	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1910	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/23/2025 1400	07/23/2025 1910	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1910	PB
1,1-Dichloroethene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1910	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1910	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1910	PB
2-Butanone (MEK)	ND	10		ug/L	1	07/23/2025 1400	07/23/2025 1910	PB
Acetone	ND	10		ug/L	1	07/23/2025 1400	07/23/2025 1910	PB
Benzene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1910	PB
Bromodichloromethane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1910	PB
Bromoform	ND	2.0		ug/L	1	07/23/2025 1400	07/23/2025 1910	PB
Carbon tetrachloride	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1910	PB
Chlorobenzene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1910	PB
Chloroform	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1910	PB
Chloromethane	ND	1.0		ug/L	1	07/23/2025 1400	07/23/2025 1910	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1910	PB
Dibromochloromethane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1910	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1910	PB
Ethylbenzene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1910	PB
m,p-Xylene	ND	1.0		ug/L	1	07/23/2025 1400	07/23/2025 1910	PB
Methylene chloride	ND	1.0		ug/L	1	07/23/2025 1400	07/23/2025 1910	PB
o-Xylene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1910	PB
Tetrachloroethene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1910	PB
Toluene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1910	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1910	PB
Trichloroethene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1910	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1910	PB
Vinyl chloride	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 1910	PB
Surr: 4-Bromofluorobenzene	*123*	*70-130*		*%REC*	*1*	*07/23/2025 1400*	*07/23/2025 1910*	*PB*
Surr: Dibromofluoromethane	*110*	*70-130*		*%REC*	*1*	*07/23/2025 1400*	*07/23/2025 1910*	*PB*
Surr: Toluene-d8	*109*	*70-130*		*%REC*	*1*	*07/23/2025 1400*	*07/23/2025 1910*	*PB*

Turner Laboratories, Inc.

Date: 08/07/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-072125-KB-48
Project:	TIA Routine Op	**Collection Date/Time:**	07/21/2025 0855
Work Order:	25G0699	**Matrix:**	Ground Water
Lab Sample ID:	25G0699-02	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2134	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/23/2025 1400	07/23/2025 2134	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2134	PB
1,1-Dichloroethene	0.75	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2134	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2134	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2134	PB
2-Butanone (MEK)	ND	10		ug/L	1	07/23/2025 1400	07/23/2025 2134	PB
Acetone	ND	10		ug/L	1	07/23/2025 1400	07/23/2025 2134	PB
Benzene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2134	PB
Bromodichloromethane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2134	PB
Bromoform	ND	2.0		ug/L	1	07/23/2025 1400	07/23/2025 2134	PB
Carbon tetrachloride	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2134	PB
Chlorobenzene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2134	PB
Chloroform	1.8	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2134	PB
Chloromethane	ND	1.0		ug/L	1	07/23/2025 1400	07/23/2025 2134	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2134	PB
Dibromochloromethane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2134	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2134	PB
Ethylbenzene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2134	PB
m,p-Xylene	ND	1.0		ug/L	1	07/23/2025 1400	07/23/2025 2134	PB
Methylene chloride	ND	1.0		ug/L	1	07/23/2025 1400	07/23/2025 2134	PB
o-Xylene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2134	PB
Tetrachloroethene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2134	PB
Toluene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2134	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2134	PB
Trichloroethene	13	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2134	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2134	PB
Vinyl chloride	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2134	PB
Surr: 4-Bromofluorobenzene	*115*	*70-130*		*%REC*	*1*	*07/23/2025 1400*	*07/23/2025 2134*	*PB*
Surr: Dibromofluoromethane	*103*	*70-130*		*%REC*	*1*	*07/23/2025 1400*	*07/23/2025 2134*	*PB*
Surr: Toluene-d8	*102*	*70-130*		*%REC*	*1*	*07/23/2025 1400*	*07/23/2025 2134*	*PB*

Turner Laboratories, Inc.

Date: 08/07/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-072125-KB-49
Project:	TIA Routine Op	**Collection Date/Time:**	07/21/2025 1005
Work Order:	25G0699	**Matrix:**	Ground Water
Lab Sample ID:	25G0699-03	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2209	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/23/2025 1400	07/23/2025 2209	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2209	PB
1,1-Dichloroethene	1.3	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2209	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2209	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2209	PB
2-Butanone (MEK)	ND	10		ug/L	1	07/23/2025 1400	07/23/2025 2209	PB
Acetone	ND	10		ug/L	1	07/23/2025 1400	07/23/2025 2209	PB
Benzene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2209	PB
Bromodichloromethane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2209	PB
Bromoform	ND	2.0		ug/L	1	07/23/2025 1400	07/23/2025 2209	PB
Carbon tetrachloride	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2209	PB
Chlorobenzene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2209	PB
Chloroform	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2209	PB
Chloromethane	ND	1.0		ug/L	1	07/23/2025 1400	07/23/2025 2209	PB
cis-1,2-Dichloroethene	0.52	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2209	PB
Dibromochloromethane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2209	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2209	PB
Ethylbenzene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2209	PB
m,p-Xylene	ND	1.0		ug/L	1	07/23/2025 1400	07/23/2025 2209	PB
Methylene chloride	ND	1.0		ug/L	1	07/23/2025 1400	07/23/2025 2209	PB
o-Xylene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2209	PB
Tetrachloroethene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2209	PB
Toluene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2209	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2209	PB
Trichloroethene	7.3	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2209	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2209	PB
Vinyl chloride	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2209	PB
Surr: 4-Bromofluorobenzene	*118*	*70-130*		*%REC*	*1*	*07/23/2025 1400*	*07/23/2025 2209*	*PB*
Surr: Dibromofluoromethane	*106*	*70-130*		*%REC*	*1*	*07/23/2025 1400*	*07/23/2025 2209*	*PB*
Surr: Toluene-d8	*103*	*70-130*		*%REC*	*1*	*07/23/2025 1400*	*07/23/2025 2209*	*PB*

Turner Laboratories, Inc.

Date: 08/07/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-072125-KB-50
Project:	TIA Routine Op	**Collection Date/Time:**	07/21/2025 1105
Work Order:	25G0699	**Matrix:**	Ground Water
Lab Sample ID:	25G0699-04	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2246	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/23/2025 1400	07/23/2025 2246	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2246	PB
1,1-Dichloroethene	1.0	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2246	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2246	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2246	PB
2-Butanone (MEK)	ND	10		ug/L	1	07/23/2025 1400	07/23/2025 2246	PB
Acetone	ND	10		ug/L	1	07/23/2025 1400	07/23/2025 2246	PB
Benzene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2246	PB
Bromodichloromethane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2246	PB
Bromoform	ND	2.0		ug/L	1	07/23/2025 1400	07/23/2025 2246	PB
Carbon tetrachloride	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2246	PB
Chlorobenzene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2246	PB
Chloroform	1.8	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2246	PB
Chloromethane	ND	1.0		ug/L	1	07/23/2025 1400	07/23/2025 2246	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2246	PB
Dibromochloromethane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2246	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2246	PB
Ethylbenzene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2246	PB
m,p-Xylene	ND	1.0		ug/L	1	07/23/2025 1400	07/23/2025 2246	PB
Methylene chloride	ND	1.0		ug/L	1	07/23/2025 1400	07/23/2025 2246	PB
o-Xylene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2246	PB
Tetrachloroethene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2246	PB
Toluene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2246	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2246	PB
Trichloroethene	13	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2246	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2246	PB
Vinyl chloride	ND	0.50		ug/L	1	07/23/2025 1400	07/23/2025 2246	PB
Surr: 4-Bromofluorobenzene	*119*	*70-130*		*%REC*	*1*	*07/23/2025 1400*	*07/23/2025 2246*	*PB*
Surr: Dibromofluoromethane	*106*	*70-130*		*%REC*	*1*	*07/23/2025 1400*	*07/23/2025 2246*	*PB*
Surr: Toluene-d8	*105*	*70-130*		*%REC*	*1*	*07/23/2025 1400*	*07/23/2025 2246*	*PB*

Turner Laboratories, Inc.

Date: 08/07/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-072225-KB-51
Project:	TIA Routine Op	**Collection Date/Time:**	07/22/2025 0715
Work Order:	25G0699	**Matrix:**	Ground Water
Lab Sample ID:	25G0699-05	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0144	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/23/2025 1400	07/24/2025 0144	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0144	PB
1,1-Dichloroethene	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0144	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0144	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0144	PB
2-Butanone (MEK)	ND	10		ug/L	1	07/23/2025 1400	07/24/2025 0144	PB
Acetone	ND	10		ug/L	1	07/23/2025 1400	07/24/2025 0144	PB
Benzene	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0144	PB
Bromodichloromethane	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0144	PB
Bromoform	ND	2.0		ug/L	1	07/23/2025 1400	07/24/2025 0144	PB
Carbon tetrachloride	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0144	PB
Chlorobenzene	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0144	PB
Chloroform	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0144	PB
Chloromethane	ND	1.0		ug/L	1	07/23/2025 1400	07/24/2025 0144	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0144	PB
Dibromochloromethane	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0144	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0144	PB
Ethylbenzene	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0144	PB
m,p-Xylene	ND	1.0		ug/L	1	07/23/2025 1400	07/24/2025 0144	PB
Methylene chloride	ND	1.0		ug/L	1	07/23/2025 1400	07/24/2025 0144	PB
o-Xylene	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0144	PB
Tetrachloroethene	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0144	PB
Toluene	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0144	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0144	PB
Trichloroethene	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0144	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0144	PB
Vinyl chloride	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0144	PB
Surr: 4-Bromofluorobenzene	*116*	*70-130*		*%REC*	*1*	*07/23/2025 1400*	*07/24/2025 144*	*PB*
Surr: Dibromofluoromethane	*106*	*70-130*		*%REC*	*1*	*07/23/2025 1400*	*07/24/2025 144*	*PB*
Surr: Toluene-d8	*102*	*70-130*		*%REC*	*1*	*07/23/2025 1400*	*07/24/2025 144*	*PB*

Turner Laboratories, Inc.

Date: 08/07/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-072225-KB-52
Project:	TIA Routine Op	**Collection Date/Time:**	07/22/2025 0735
Work Order:	25G0699	**Matrix:**	Ground Water
Lab Sample ID:	25G0699-06	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 0927	PB
1,1,2-Trichlorotrifluoroethane	ND	25		ug/L	5	07/23/2025 1400	07/24/2025 0927	PB
1,1-Dichloroethane	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 0927	PB
1,1-Dichloroethene	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 0927	PB
1,2-Dichloroethane	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 0927	PB
1,2-Dichloropropane	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 0927	PB
2-Butanone (MEK)	ND	50		ug/L	5	07/23/2025 1400	07/24/2025 0927	PB
Acetone	ND	50		ug/L	5	07/23/2025 1400	07/24/2025 0927	PB
Benzene	2.8	2.5		ug/L	5	07/23/2025 1400	07/24/2025 0927	PB
Bromodichloromethane	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 0927	PB
Bromoform	ND	10		ug/L	5	07/23/2025 1400	07/24/2025 0927	PB
Carbon tetrachloride	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 0927	PB
Chlorobenzene	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 0927	PB
Chloroform	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 0927	PB
Chloromethane	ND	5.0		ug/L	5	07/23/2025 1400	07/24/2025 0927	PB
cis-1,2-Dichloroethene	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 0927	PB
Dibromochloromethane	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 0927	PB
Dichlorodifluoromethane	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 0927	PB
Ethylbenzene	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 0927	PB
m,p-Xylene	ND	5.0		ug/L	5	07/23/2025 1400	07/24/2025 0927	PB
Methylene chloride	ND	5.0		ug/L	5	07/23/2025 1400	07/24/2025 0927	PB
o-Xylene	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 0927	PB
Tetrachloroethene	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 0927	PB
Toluene	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 0927	PB
trans-1,2-Dichloroethene	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 0927	PB
Trichloroethene	120	2.5		ug/L	5	07/23/2025 1400	07/24/2025 0927	PB
Trichlorofluoromethane	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 0927	PB
Vinyl chloride	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 0927	PB
Surr: 4-Bromofluorobenzene	*108*	*70-130*		*%REC*	*1*	*07/23/2025 1400*	*07/24/2025 927*	*PB*
Surr: Dibromofluoromethane	*96*	*70-130*		*%REC*	*1*	*07/23/2025 1400*	*07/24/2025 927*	*PB*
Surr: Toluene-d8	*91*	*70-130*		*%REC*	*1*	*07/23/2025 1400*	*07/24/2025 927*	*PB*

Turner Laboratories, Inc.

Date: 08/07/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-072225-KB-53
Project:	TIA Routine Op	**Collection Date/Time:**	07/22/2025 0825
Work Order:	25G0699	**Matrix:**	Ground Water
Lab Sample ID:	25G0699-07	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0255	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/23/2025 1400	07/24/2025 0255	PB
1,1-Dichloroethane	0.60	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0255	PB
1,1-Dichloroethene	5.3	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0255	PB
1,2-Dichloroethane	1.2	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0255	PB
1,2-Dichloropropane	12	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0255	PB
2-Butanone (MEK)	ND	10		ug/L	1	07/23/2025 1400	07/24/2025 0255	PB
Acetone	ND	10		ug/L	1	07/23/2025 1400	07/24/2025 0255	PB
Benzene	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0255	PB
Bromodichloromethane	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0255	PB
Bromoform	ND	2.0		ug/L	1	07/23/2025 1400	07/24/2025 0255	PB
Carbon tetrachloride	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0255	PB
Chlorobenzene	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0255	PB
Chloroform	18	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0255	PB
Chloromethane	ND	1.0		ug/L	1	07/23/2025 1400	07/24/2025 0255	PB
cis-1,2-Dichloroethene	0.66	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0255	PB
Dibromochloromethane	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0255	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0255	PB
Ethylbenzene	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0255	PB
m,p-Xylene	ND	1.0		ug/L	1	07/23/2025 1400	07/24/2025 0255	PB
Methylene chloride	ND	1.0		ug/L	1	07/23/2025 1400	07/24/2025 0255	PB
o-Xylene	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0255	PB
Tetrachloroethene	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0255	PB
Toluene	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0255	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0255	PB
Trichloroethene	4.6	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0255	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0255	PB
Vinyl chloride	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0255	PB
Surr: 4-Bromofluorobenzene	*119*	*70-130*		*%REC*	*1*	*07/23/2025 1400*	*07/24/2025 255*	*PB*
Surr: Dibromofluoromethane	*107*	*70-130*		*%REC*	*1*	*07/23/2025 1400*	*07/24/2025 255*	*PB*
Surr: Toluene-d8	*104*	*70-130*		*%REC*	*1*	*07/23/2025 1400*	*07/24/2025 255*	*PB*

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Date: 08/07/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-072225-KB-54
Project:	TIA Routine Op	**Collection Date/Time:**	07/22/2025 0935
Work Order:	25G0699	**Matrix:**	Ground Water
Lab Sample ID:	25G0699-08	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1040	PB
1,1,2-Trichlorotrifluoroethane	ND	25		ug/L	5	07/23/2025 1400	07/24/2025 1040	PB
1,1-Dichloroethane	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1040	PB
1,1-Dichloroethene	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1040	PB
1,2-Dichloroethane	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1040	PB
1,2-Dichloropropane	2.9	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1040	PB
2-Butanone (MEK)	ND	50		ug/L	5	07/23/2025 1400	07/24/2025 1040	PB
Acetone	ND	50		ug/L	5	07/23/2025 1400	07/24/2025 1040	PB
Benzene	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1040	PB
Bromodichloromethane	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1040	PB
Bromoform	ND	10		ug/L	5	07/23/2025 1400	07/24/2025 1040	PB
Carbon tetrachloride	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1040	PB
Chlorobenzene	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1040	PB
Chloroform	220	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1040	PB
Chloromethane	ND	5.0		ug/L	5	07/23/2025 1400	07/24/2025 1040	PB
cis-1,2-Dichloroethene	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1040	PB
Dibromochloromethane	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1040	PB
Dichlorodifluoromethane	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1040	PB
Ethylbenzene	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1040	PB
m,p-Xylene	ND	5.0		ug/L	5	07/23/2025 1400	07/24/2025 1040	PB
Methylene chloride	ND	5.0		ug/L	5	07/23/2025 1400	07/24/2025 1040	PB
o-Xylene	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1040	PB
Tetrachloroethene	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1040	PB
Toluene	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1040	PB
trans-1,2-Dichloroethene	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1040	PB
Trichloroethene	19	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1040	PB
Trichlorofluoromethane	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1040	PB
Vinyl chloride	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1040	PB
Surr: 4-Bromofluorobenzene	*101*	*70-130*		*%REC*	*1*	*07/23/2025 1400*	*07/24/2025 1040*	*PB*
Surr: Dibromofluoromethane	*90*	*70-130*		*%REC*	*1*	*07/23/2025 1400*	*07/24/2025 1040*	*PB*
Surr: Toluene-d8	*83*	*70-130*		*%REC*	*1*	*07/23/2025 1400*	*07/24/2025 1040*	*PB*

Turner Laboratories, Inc.

Date: 08/07/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-072225-KB-55
Project:	TIA Routine Op	**Collection Date/Time:**	07/22/2025 0937
Work Order:	25G0699	**Matrix:**	Ground Water
Lab Sample ID:	25G0699-09	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1152	PB
1,1,2-Trichlorotrifluoroethane	ND	25		ug/L	5	07/23/2025 1400	07/24/2025 1152	PB
1,1-Dichloroethane	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1152	PB
1,1-Dichloroethene	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1152	PB
1,2-Dichloroethane	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1152	PB
1,2-Dichloropropane	2.9	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1152	PB
2-Butanone (MEK)	ND	50		ug/L	5	07/23/2025 1400	07/24/2025 1152	PB
Acetone	ND	50		ug/L	5	07/23/2025 1400	07/24/2025 1152	PB
Benzene	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1152	PB
Bromodichloromethane	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1152	PB
Bromoform	ND	10		ug/L	5	07/23/2025 1400	07/24/2025 1152	PB
Carbon tetrachloride	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1152	PB
Chlorobenzene	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1152	PB
Chloroform	220	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1152	PB
Chloromethane	ND	5.0		ug/L	5	07/23/2025 1400	07/24/2025 1152	PB
cis-1,2-Dichloroethene	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1152	PB
Dibromochloromethane	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1152	PB
Dichlorodifluoromethane	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1152	PB
Ethylbenzene	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1152	PB
m,p-Xylene	ND	5.0		ug/L	5	07/23/2025 1400	07/24/2025 1152	PB
Methylene chloride	ND	5.0		ug/L	5	07/23/2025 1400	07/24/2025 1152	PB
o-Xylene	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1152	PB
Tetrachloroethene	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1152	PB
Toluene	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1152	PB
trans-1,2-Dichloroethene	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1152	PB
Trichloroethene	18	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1152	PB
Trichlorofluoromethane	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1152	PB
Vinyl chloride	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1152	PB
Surr: 4-Bromofluorobenzene	*106*	*70-130*		*%REC*	*1*	*07/23/2025 1400*	*07/24/2025 1152*	*PB*
Surr: Dibromofluoromethane	*94*	*70-130*		*%REC*	*1*	*07/23/2025 1400*	*07/24/2025 1152*	*PB*
Surr: Toluene-d8	*83*	*70-130*		*%REC*	*1*	*07/23/2025 1400*	*07/24/2025 1152*	*PB*

Turner Laboratories, Inc.

Date: 08/07/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-072225-KB-56
Project:	TIA Routine Op	**Collection Date/Time:**	07/22/2025 1105
Work Order:	25G0699	**Matrix:**	Ground Water
Lab Sample ID:	25G0699-10	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 0442	PB
1,1,2-Trichlorotrifluoroethane	ND	25		ug/L	5	07/23/2025 1400	07/24/2025 0442	PB
1,1-Dichloroethane	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 0442	PB
1,1-Dichloroethene	7.3	2.5		ug/L	5	07/23/2025 1400	07/24/2025 0442	PB
1,2-Dichloroethane	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 0442	PB
1,2-Dichloropropane	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 0442	PB
2-Butanone (MEK)	ND	50		ug/L	5	07/23/2025 1400	07/24/2025 0442	PB
Acetone	ND	50		ug/L	5	07/23/2025 1400	07/24/2025 0442	PB
Benzene	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 0442	PB
Bromodichloromethane	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 0442	PB
Bromoform	ND	10		ug/L	5	07/23/2025 1400	07/24/2025 0442	PB
Carbon tetrachloride	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 0442	PB
Chlorobenzene	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 0442	PB
Chloroform	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 0442	PB
Chloromethane	ND	5.0		ug/L	5	07/23/2025 1400	07/24/2025 0442	PB
cis-1,2-Dichloroethene	2.9	2.5		ug/L	5	07/23/2025 1400	07/24/2025 0442	PB
Dibromochloromethane	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 0442	PB
Dichlorodifluoromethane	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 0442	PB
Ethylbenzene	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 0442	PB
m,p-Xylene	ND	5.0		ug/L	5	07/23/2025 1400	07/24/2025 0442	PB
Methylene chloride	ND	5.0		ug/L	5	07/23/2025 1400	07/24/2025 0442	PB
o-Xylene	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 0442	PB
Tetrachloroethene	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 0442	PB
Toluene	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 0442	PB
trans-1,2-Dichloroethene	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 0442	PB
Trichloroethene	55	2.5		ug/L	5	07/23/2025 1400	07/24/2025 0442	PB
Trichlorofluoromethane	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 0442	PB
Vinyl chloride	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 0442	PB
Surr: 4-Bromofluorobenzene	*108*	*70-130*		*%REC*	*1*	*07/23/2025 1400*	*07/24/2025 442*	*PB*
Surr: Dibromofluoromethane	*102*	*70-130*		*%REC*	*1*	*07/23/2025 1400*	*07/24/2025 442*	*PB*
Surr: Toluene-d8	*92*	*70-130*		*%REC*	*1*	*07/23/2025 1400*	*07/24/2025 442*	*PB*

Turner Laboratories, Inc.

Date: 08/07/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-072225-KB-57
Project:	TIA Routine Op	**Collection Date/Time:**	07/22/2025 1107
Work Order:	25G0699	**Matrix:**	Ground Water
Lab Sample ID:	25G0699-11	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1228	PB
1,1,2-Trichlorotrifluoroethane	ND	25		ug/L	5	07/23/2025 1400	07/24/2025 1228	PB
1,1-Dichloroethane	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1228	PB
1,1-Dichloroethene	7.6	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1228	PB
1,2-Dichloroethane	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1228	PB
1,2-Dichloropropane	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1228	PB
2-Butanone (MEK)	ND	50		ug/L	5	07/23/2025 1400	07/24/2025 1228	PB
Acetone	ND	50		ug/L	5	07/23/2025 1400	07/24/2025 1228	PB
Benzene	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1228	PB
Bromodichloromethane	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1228	PB
Bromoform	ND	10		ug/L	5	07/23/2025 1400	07/24/2025 1228	PB
Carbon tetrachloride	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1228	PB
Chlorobenzene	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1228	PB
Chloroform	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1228	PB
Chloromethane	ND	5.0		ug/L	5	07/23/2025 1400	07/24/2025 1228	PB
cis-1,2-Dichloroethene	2.8	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1228	PB
Dibromochloromethane	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1228	PB
Dichlorodifluoromethane	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1228	PB
Ethylbenzene	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1228	PB
m,p-Xylene	ND	5.0		ug/L	5	07/23/2025 1400	07/24/2025 1228	PB
Methylene chloride	ND	5.0		ug/L	5	07/23/2025 1400	07/24/2025 1228	PB
o-Xylene	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1228	PB
Tetrachloroethene	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1228	PB
Toluene	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1228	PB
trans-1,2-Dichloroethene	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1228	PB
Trichloroethene	54	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1228	PB
Trichlorofluoromethane	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1228	PB
Vinyl chloride	ND	2.5		ug/L	5	07/23/2025 1400	07/24/2025 1228	PB
Surr: 4-Bromofluorobenzene	*101*	*70-130*		*%REC*	*1*	*07/23/2025 1400*	*07/24/2025 1228*	*PB*
Surr: Dibromofluoromethane	*95*	*70-130*		*%REC*	*1*	*07/23/2025 1400*	*07/24/2025 1228*	*PB*
Surr: Toluene-d8	*82*	*70-130*		*%REC*	*1*	*07/23/2025 1400*	*07/24/2025 1228*	*PB*

Turner Laboratories, Inc.

Date: 08/07/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-072325-KB-59
Project:	TIA Routine Op	**Collection Date/Time:**	07/23/2025 0835
Work Order:	25G0699	**Matrix:**	Ground Water
Lab Sample ID:	25G0699-12	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0553	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/23/2025 1400	07/24/2025 0553	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0553	PB
1,1-Dichloroethene	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0553	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0553	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0553	PB
2-Butanone (MEK)	ND	10		ug/L	1	07/23/2025 1400	07/24/2025 0553	PB
Acetone	ND	10		ug/L	1	07/23/2025 1400	07/24/2025 0553	PB
Benzene	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0553	PB
Bromodichloromethane	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0553	PB
Bromoform	ND	2.0		ug/L	1	07/23/2025 1400	07/24/2025 0553	PB
Carbon tetrachloride	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0553	PB
Chlorobenzene	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0553	PB
Chloroform	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0553	PB
Chloromethane	ND	1.0		ug/L	1	07/23/2025 1400	07/24/2025 0553	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0553	PB
Dibromochloromethane	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0553	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0553	PB
Ethylbenzene	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0553	PB
m,p-Xylene	ND	1.0		ug/L	1	07/23/2025 1400	07/24/2025 0553	PB
Methylene chloride	ND	1.0		ug/L	1	07/23/2025 1400	07/24/2025 0553	PB
o-Xylene	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0553	PB
Tetrachloroethene	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0553	PB
Toluene	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0553	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0553	PB
Trichloroethene	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0553	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0553	PB
Vinyl chloride	ND	0.50		ug/L	1	07/23/2025 1400	07/24/2025 0553	PB
Surr: 4-Bromofluorobenzene	*121*	*70-130*		*%REC*	*1*	*07/23/2025 1400*	*07/24/2025 553*	*PB*
Surr: Dibromofluoromethane	*109*	*70-130*		*%REC*	*1*	*07/23/2025 1400*	*07/24/2025 553*	*PB*
Surr: Toluene-d8	*101*	*70-130*		*%REC*	*1*	*07/23/2025 1400*	*07/24/2025 553*	*PB*

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25G0699
Date Received: 07/23/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2507250 - SW8260B										
Blank (2507250-BLK1)				Prepared & Analyzed: 07/23/2025						
1,1,1-Trichloroethane	ND	0.50	ug/L							
1,1,2-Trichlorotrifluoroethane	ND	5.0	ug/L							
1,1-Dichloroethane	ND	0.50	ug/L							
1,1-Dichloroethene	ND	0.50	ug/L							
1,2-Dichloroethane	ND	0.50	ug/L							
1,2-Dichloropropane	ND	0.50	ug/L							
2-Butanone (MEK)	ND	10	ug/L							
Acetone	ND	10	ug/L							
Benzene	ND	0.50	ug/L							
Bromodichloromethane	ND	0.50	ug/L							
Bromoform	ND	2.0	ug/L							
Carbon tetrachloride	ND	0.50	ug/L							
Chlorobenzene	ND	0.50	ug/L							
Chloroform	ND	0.50	ug/L							
Chloromethane	ND	1.0	ug/L							
cis-1,2-Dichloroethene	ND	0.50	ug/L							
Dibromochloromethane	ND	0.50	ug/L							
Dichlorodifluoromethane	ND	0.50	ug/L							
Ethylbenzene	ND	0.50	ug/L							
m,p-Xylene	ND	1.0	ug/L							
Methylene chloride	ND	1.0	ug/L							
o-Xylene	ND	0.50	ug/L							
Tetrachloroethene	ND	0.50	ug/L							
Toluene	ND	0.50	ug/L							
trans-1,2-Dichloroethene	ND	0.50	ug/L							
Trichloroethene	ND	0.50	ug/L							
Trichlorofluoromethane	ND	0.50	ug/L							
Vinyl chloride	ND	0.50	ug/L							
Surrogate: 4-Bromofluorobenzene	*64.7*		*ug/L*	*50.00*		*129*	*70-130*			
Surrogate: Dibromofluoromethane	*55.0*		*ug/L*	*50.00*		*110*	*70-130*			
Surrogate: Toluene-d8	*55.3*		*ug/L*	*50.00*		*111*	*70-130*			
LCS (2507250-BS1)				Prepared & Analyzed: 07/23/2025						
1,1-Dichloroethene	56	0.50	ug/L	50.00		111	70-130			
Benzene	62	0.50	ug/L	50.00		124	70-130			
Chlorobenzene	57	0.50	ug/L	50.00		114	70-130			
Toluene	55	0.50	ug/L	50.00		111	70-130			
Trichloroethene	55	0.50	ug/L	50.00		110	70-130			
Surrogate: 4-Bromofluorobenzene	*54.7*		*ug/L*	*50.00*		*109*	*70-130*			
Surrogate: Dibromofluoromethane	*49.9*		*ug/L*	*50.00*		*100*	*70-130*			
Surrogate: Toluene-d8	*48.5*		*ug/L*	*50.00*		*97*	*70-130*			

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25G0699
Date Received: 07/23/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2507250 - SW8260B										
LCS Dup (2507250-BSD1)				Prepared & Analyzed: 07/23/2025						
1,1-Dichloroethene	54	0.50	ug/L	50.00		109	70-130	2	30	
Benzene	59	0.50	ug/L	50.00		118	70-130	5	30	
Chlorobenzene	56	0.50	ug/L	50.00		113	70-130	1	30	
Toluene	55	0.50	ug/L	50.00		111	70-130	0.05	30	
Trichloroethene	53	0.50	ug/L	50.00		107	70-130	2	30	
Surrogate: 4-Bromofluorobenzene	*56.2*		*ug/L*	*50.00*		*112*	*70-130*			
Surrogate: Dibromofluoromethane	*50.2*		*ug/L*	*50.00*		*100*	*70-130*			
Surrogate: Toluene-d8	*49.7*		*ug/L*	*50.00*		*99*	*70-130*			
Matrix Spike (2507250-MS1)		**Source: 25G0698-02**		Prepared: 07/23/2025 Analyzed: 07/24/2025						
1,1-Dichloroethene	61	0.50	ug/L	50.00	ND	121	70-130			E7
Benzene	66	0.50	ug/L	50.00	ND	132	70-130			E7, M1
Chlorobenzene	57	0.50	ug/L	50.00	ND	115	70-130			E7
Toluene	59	0.50	ug/L	50.00	ND	117	70-130			E7
Trichloroethene	62	0.50	ug/L	50.00	4.3	116	70-130			E7
Surrogate: 4-Bromofluorobenzene	*63.3*		*ug/L*	*50.00*		*127*	*70-130*			*E7*
Surrogate: Dibromofluoromethane	*56.2*		*ug/L*	*50.00*		*112*	*70-130*			*E7*
Surrogate: Toluene-d8	*54.8*		*ug/L*	*50.00*		*110*	*70-130*			*E7*
Matrix Spike (2507250-MS2)		**Source: 25G0698-03**		Prepared: 07/23/2025 Analyzed: 07/24/2025						
1,1-Dichloroethene	63	0.50	ug/L	50.00	0.95	124	70-130			E7
Benzene	68	0.50	ug/L	50.00	ND	136	70-130			E7, M1
Chlorobenzene	57	0.50	ug/L	50.00	ND	114	70-130			E7
Toluene	58	0.50	ug/L	50.00	ND	117	70-130			E7
Trichloroethene	66	0.50	ug/L	50.00	6.8	119	70-130			E7
Surrogate: 4-Bromofluorobenzene	*64.9*		*ug/L*	*50.00*		*130*	*70-130*			*E7*
Surrogate: Dibromofluoromethane	*57.2*		*ug/L*	*50.00*		*114*	*70-130*			*E7*
Surrogate: Toluene-d8	*53.0*		*ug/L*	*50.00*		*106*	*70-130*			*E7*
Matrix Spike Dup (2507250-MSD1)		**Source: 25G0698-02**		Prepared: 07/23/2025 Analyzed: 07/24/2025						
1,1-Dichloroethene	66	0.50	ug/L	50.00	ND	131	70-130	8	30	E7, M1
Benzene	69	0.50	ug/L	50.00	ND	138	70-130	5	30	E7, M1
Chlorobenzene	59	0.50	ug/L	50.00	ND	119	70-130	3	30	E7
Toluene	60	0.50	ug/L	50.00	ND	121	70-130	3	30	E7
Trichloroethene	64	0.50	ug/L	50.00	4.3	120	70-130	3	30	E7
Surrogate: 4-Bromofluorobenzene	*66.0*		*ug/L*	*50.00*		*132*	*70-130*			*E7, M1*
Surrogate: Dibromofluoromethane	*60.5*		*ug/L*	*50.00*		*121*	*70-130*			*E7*
Surrogate: Toluene-d8	*56.7*		*ug/L*	*50.00*		*113*	*70-130*			*E7*
Matrix Spike Dup (2507250-MSD2)		**Source: 25G0698-03**		Prepared: 07/23/2025 Analyzed: 07/24/2025						
1,1-Dichloroethene	63	0.50	ug/L	50.00	0.95	124	70-130	0.3	30	E7
Benzene	68	0.50	ug/L	50.00	ND	136	70-130	0.3	30	E7, M1
Chlorobenzene	58	0.50	ug/L	50.00	ND	116	70-130	2	30	E7
Toluene	58	0.50	ug/L	50.00	ND	116	70-130	0.7	30	E7
Trichloroethene	66	0.50	ug/L	50.00	6.8	118	70-130	1	30	E7
Surrogate: 4-Bromofluorobenzene	*65.2*		*ug/L*	*50.00*		*130*	*70-130*			*E7, S10*
Surrogate: Dibromofluoromethane	*59.0*		*ug/L*	*50.00*		*118*	*70-130*			*E7*
Surrogate: Toluene-d8	*54.0*		*ug/L*	*50.00*		*108*	*70-130*			*E7*

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TURNER LABORATORIES INC.
2445 N. Coyote Drive, Suite 104
Tucson, Arizona 85745
(520) 882-5880
Fax: (520) 882-9788
www.turnerlabs.com

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

TURNER WORK ORDER # 25T0699 DATE 7/23 PAGE 1 OF 1

PROJECT NAME TIA Routine OP #12619196.5.5.7

CONTACT NAME: Justin Berkompas

COMPANY NAME: GHD Services, Inc.

ADDRESS: 333 E Wetmore Rd, Suite 100

CITY Tucson STATE AZ ZIP CODE 85705

PHONE 720 974-0964 FAX

SAMPLER'S SIGNATURE

CIRCLE ANALYSIS REQUESTED AND/OR CHECK THE APPROPRIATE BOX

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX*	NUMBER OF CONTAINERS	8260	LEVEL III DATA PACKAGE	ANTICIPATE HIGH CONCENTRATIO	MS/MSD
GW-072125-KB-TB	7/21/2025	855		GW	1	X			
GW-072125-KB-48	7/21/2025	855		GW	3	X			
GW-072125-KB-49	7/21/2025	1005		GW	3	X			
GW-072125-KB-50	7/21/2025	1105		GW	3	X			
GW-072225-KB-51	7/22/2025	715		GW	3	X			
GW-072225-KB-52	7/22/2025	735		GW	3	X		X	
GW-072225-KB-53	7/22/2025	825		GW	3	X			
GW-072225-KB-54	7/22/2025	935		GW	3	X		X	
GW-072225-KB-55	7/22/2025	937		GW	3	X		X	
GW-072225-KB-56	7/22/2025	1105		GW	3	X		X	
GW-072225-KB-57	7/22/2025	1107		GW	3	X		X	
GW-072325-KB-59 ~~GW-072325-KB-58~~	7/23/2025	835		GW	3	X			

1. RELINQUISHED BY:
Signature
Kayla Bansbach
Printed Name
GHD
Firm
7/23/25 1333
Date/Time

2. RECEIVED BY:
Signature
Printed Name
Firm
7/23/25 - 1333
Date/Time

TURNAROUND REQUIREMENTS:
_X_ GHD Standard (approx. 5 days)*
___Next day ___2 Day ___5 Day*
___ Email Preliminary Results To:
* Working Days

REPORT REQUIREMENTS:
___ I. Routine Report
___ II. Report (includes DUP,MS,MSD, as required, may be charged as samples)
___ III. Date Validation Report (Includes All Raw Data)
Add 10% to invoice

INVOICE INFORMATION:
Account ___ Y ___ N
P.O. # ___
Bill to: ___

SAMPLE RECEIPT:
JR-49
Total Containers ___
Temperature 2.8

3. RELINQUISHED BY:
Signature
Printed Name
Firm
7/23/25 1424
Date/Time

4. RECEIVED BY:
Signature
Kathryn Richards
Printed Name
TURNER LABORATORIES, INC.
Firm
7/23/25 1424
Date/Time

*LEGEND
DW = DRINKING WATER
GW = GROUNDWATER
SD = SOLID
SG = SLUDGE
SL = SOIL
ST = STORMWATER
WW = WASTEWATER

SPECIAL INSTRUCTIONS/COMMENTS:

Compliance Analysis:	Custody Seals	Preservation Confirmation X
ADEQ Forms:	Container Intact X	Appropriate Head Space X
Mail ADEQ Forms:	COC/Labels Agree X	Received Within Hold Time X

August 11, 2025

Justin Berkompas
GHD Services, Inc. - Tucson
6700 N. Oracle Rd. Suite 238
Tucson, AZ 85704

TEL (520) 203-0701
FAX

Work Order No.: 25G0753
Order Name: 12619196.5.5.7

RE: TIA Routine Op

Dear Justin Berkompas,

Turner Laboratories, Inc. received 8 sample(s) on 07/25/2025 for the analyses presented in the following report.

All results are intended to be considered in their entirety, and Turner Laboratories, Inc. is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Samples will be disposed of 30 days after issue of our report unless special arrangements are made.

The pages that follow may contain sensitive, privileged or confidential information intended solely for the addressee named above. If you receive this message and are not the agent or employee of the addressee, this communication has been sent in error. Please do not disseminate or copy any of the attached and notify the sender immediately by telephone. Please also return the attached sheet(s) to the sender by mail.

Please call if you have any questions.

Respectfully submitted,

Turner Laboratories, Inc.
ADHS License AZ0066

Elizabeth Kasik
Laboratory Director

Turner Laboratories, Inc.

Date: 08/11/2025

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25G0753
Date Received: 07/25/2025

Order: 12619196.5.5.7

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date/Time
25G0753-01	GW-072425-EH-62	Ground Water	07/24/2025 0855
25G0753-02	GW-072425-EH-TB	Ground Water	07/24/2025 0855
25G0753-03	GW-072425-EH-63	Ground Water	07/24/2025 1005
25G0753-04	GW-072425-EH-64	Ground Water	07/24/2025 1205
25G0753-05	GW-072425-EH-65	Ground Water	07/24/2025 1415
25G0753-06	GW-072525-EH-66	Ground Water	07/25/2025 0825
25G0753-07	GW-072525-EH-67	Ground Water	07/25/2025 0945
25G0753-08	GW-072525-EH-68	Ground Water	07/25/2025 1055

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25G0753
Date Received: 07/25/2025

Case Narrative

D5	Minimum Reporting Limit (MRL) is adjusted due to sample dilution; analyte was non-detect in the sample.
E7	Concentration estimated. Internal standard recoveries did not meet laboratory acceptance criteria.

All soil, sludge, and solid matrix determinations are reported on a wet weight basis unless otherwise noted.

ND	Not Detected at or above the PQL
PQL	Practical Quantitation Limit
DF	Dilution Factor

Turner Laboratories, Inc.

Date: 08/11/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-072425-EH-62
Project:	TIA Routine Op	**Collection Date/Time:**	07/24/2025 0855
Work Order:	25G0753	**Matrix:**	Ground Water
Lab Sample ID:	25G0753-01	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1255	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/29/2025 0839	07/29/2025 1255	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1255	PB
1,1-Dichloroethene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1255	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1255	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1255	PB
2-Butanone (MEK)	ND	10		ug/L	1	07/29/2025 0839	07/29/2025 1255	PB
Acetone	ND	10		ug/L	1	07/29/2025 0839	07/29/2025 1255	PB
Benzene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1255	PB
Bromodichloromethane	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1255	PB
Bromoform	ND	2.0		ug/L	1	07/29/2025 0839	07/29/2025 1255	PB
Carbon tetrachloride	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1255	PB
Chlorobenzene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1255	PB
Chloroform	0.60	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1255	PB
Chloromethane	ND	1.0		ug/L	1	07/29/2025 0839	07/29/2025 1255	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1255	PB
Dibromochloromethane	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1255	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1255	PB
Ethylbenzene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1255	PB
m,p-Xylene	ND	1.0		ug/L	1	07/29/2025 0839	07/29/2025 1255	PB
Methylene chloride	ND	1.0		ug/L	1	07/29/2025 0839	07/29/2025 1255	PB
o-Xylene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1255	PB
Tetrachloroethene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1255	PB
Toluene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1255	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1255	PB
Trichloroethene	2.2	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1255	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1255	PB
Vinyl chloride	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1255	PB
Surr: 4-Bromofluorobenzene	*120*	*70-130*		*%REC*	*1*	*07/29/2025 0839*	*07/29/2025 1255*	*PB*
Surr: Dibromofluoromethane	*104*	*70-130*		*%REC*	*1*	*07/29/2025 0839*	*07/29/2025 1255*	*PB*
Surr: Toluene-d8	*97*	*70-130*		*%REC*	*1*	*07/29/2025 0839*	*07/29/2025 1255*	*PB*

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Date: 08/11/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-072425-EH-TB
Project:	TIA Routine Op	**Collection Date/Time:**	07/24/2025 0855
Work Order:	25G0753	**Matrix:**	Ground Water
Lab Sample ID:	25G0753-02	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1443	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/29/2025 0839	07/29/2025 1443	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1443	PB
1,1-Dichloroethene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1443	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1443	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1443	PB
2-Butanone (MEK)	ND	10		ug/L	1	07/29/2025 0839	07/29/2025 1443	PB
Acetone	ND	10		ug/L	1	07/29/2025 0839	07/29/2025 1443	PB
Benzene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1443	PB
Bromodichloromethane	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1443	PB
Bromoform	ND	2.0		ug/L	1	07/29/2025 0839	07/29/2025 1443	PB
Carbon tetrachloride	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1443	PB
Chlorobenzene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1443	PB
Chloroform	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1443	PB
Chloromethane	ND	1.0		ug/L	1	07/29/2025 0839	07/29/2025 1443	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1443	PB
Dibromochloromethane	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1443	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1443	PB
Ethylbenzene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1443	PB
m,p-Xylene	ND	1.0		ug/L	1	07/29/2025 0839	07/29/2025 1443	PB
Methylene chloride	ND	1.0		ug/L	1	07/29/2025 0839	07/29/2025 1443	PB
o-Xylene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1443	PB
Tetrachloroethene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1443	PB
Toluene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1443	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1443	PB
Trichloroethene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1443	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1443	PB
Vinyl chloride	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1443	PB
Surr: 4-Bromofluorobenzene	*104*	*70-130*		*%REC*	*1*	*07/29/2025 0839*	*07/29/2025 1443*	*PB*
Surr: Dibromofluoromethane	*96*	*70-130*		*%REC*	*1*	*07/29/2025 0839*	*07/29/2025 1443*	*PB*
Surr: Toluene-d8	*87*	*70-130*		*%REC*	*1*	*07/29/2025 0839*	*07/29/2025 1443*	*PB*

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Date: 08/11/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-072425-EH-63
Project:	TIA Routine Op	**Collection Date/Time:**	07/24/2025 1005
Work Order:	25G0753	**Matrix:**	Ground Water
Lab Sample ID:	25G0753-03	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	2.5		ug/L	5	07/29/2025 0839	08/04/2025 1816	PB
1,1,2-Trichlorotrifluoroethane	ND	25		ug/L	5	07/29/2025 0839	08/04/2025 1816	PB
1,1-Dichloroethane	ND	2.5		ug/L	5	07/29/2025 0839	08/04/2025 1816	PB
1,1-Dichloroethene	7.7	2.5		ug/L	5	07/29/2025 0839	08/04/2025 1816	PB
1,2-Dichloroethane	ND	2.5		ug/L	5	07/29/2025 0839	08/04/2025 1816	PB
1,2-Dichloropropane	ND	2.5		ug/L	5	07/29/2025 0839	08/04/2025 1816	PB
2-Butanone (MEK)	ND	50		ug/L	5	07/29/2025 0839	08/04/2025 1816	PB
Acetone	ND	50		ug/L	5	07/29/2025 0839	08/04/2025 1816	PB
Benzene	ND	2.5		ug/L	5	07/29/2025 0839	08/04/2025 1816	PB
Bromodichloromethane	ND	2.5		ug/L	5	07/29/2025 0839	08/04/2025 1816	PB
Bromoform	ND	10		ug/L	5	07/29/2025 0839	08/04/2025 1816	PB
Carbon tetrachloride	ND	2.5		ug/L	5	07/29/2025 0839	08/04/2025 1816	PB
Chlorobenzene	ND	2.5		ug/L	5	07/29/2025 0839	08/04/2025 1816	PB
Chloroform	ND	2.5		ug/L	5	07/29/2025 0839	08/04/2025 1816	PB
Chloromethane	ND	5.0		ug/L	5	07/29/2025 0839	08/04/2025 1816	PB
cis-1,2-Dichloroethene	2.8	2.5		ug/L	5	07/29/2025 0839	08/04/2025 1816	PB
Dibromochloromethane	ND	2.5		ug/L	5	07/29/2025 0839	08/04/2025 1816	PB
Dichlorodifluoromethane	ND	2.5		ug/L	5	07/29/2025 0839	08/04/2025 1816	PB
Ethylbenzene	ND	2.5		ug/L	5	07/29/2025 0839	08/04/2025 1816	PB
m,p-Xylene	ND	5.0		ug/L	5	07/29/2025 0839	08/04/2025 1816	PB
Methylene chloride	ND	5.0		ug/L	5	07/29/2025 0839	08/04/2025 1816	PB
o-Xylene	ND	2.5		ug/L	5	07/29/2025 0839	08/04/2025 1816	PB
Tetrachloroethene	ND	2.5		ug/L	5	07/29/2025 0839	08/04/2025 1816	PB
Toluene	ND	2.5		ug/L	5	07/29/2025 0839	08/04/2025 1816	PB
trans-1,2-Dichloroethene	ND	2.5		ug/L	5	07/29/2025 0839	08/04/2025 1816	PB
Trichloroethene	54	2.5		ug/L	5	07/29/2025 0839	08/04/2025 1816	PB
Trichlorofluoromethane	ND	2.5		ug/L	5	07/29/2025 0839	08/04/2025 1816	PB
Vinyl chloride	ND	2.5		ug/L	5	07/29/2025 0839	08/04/2025 1816	PB
Surr: 4-Bromofluorobenzene	*108*	*70-130*		*%REC*	*1*	*07/29/2025 0839*	*08/04/2025 1816*	*PB*
Surr: Dibromofluoromethane	*99*	*70-130*		*%REC*	*1*	*07/29/2025 0839*	*08/04/2025 1816*	*PB*
Surr: Toluene-d8	*86*	*70-130*		*%REC*	*1*	*07/29/2025 0839*	*08/04/2025 1816*	*PB*

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Date: 08/11/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-072425-EH-64
Project:	TIA Routine Op	**Collection Date/Time:**	07/24/2025 1205
Work Order:	25G0753	**Matrix:**	Ground Water
Lab Sample ID:	25G0753-04	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1331	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/29/2025 0839	07/29/2025 1331	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1331	PB
1,1-Dichloroethene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1331	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1331	PB
1,2-Dichloropropane	0.79	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1331	PB
2-Butanone (MEK)	ND	10		ug/L	1	07/29/2025 0839	07/29/2025 1331	PB
Acetone	ND	10		ug/L	1	07/29/2025 0839	07/29/2025 1331	PB
Benzene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1331	PB
Bromodichloromethane	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1331	PB
Bromoform	ND	2.0		ug/L	1	07/29/2025 0839	07/29/2025 1331	PB
Carbon tetrachloride	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1331	PB
Chlorobenzene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1331	PB
Chloroform	1.5	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1331	PB
Chloromethane	ND	1.0		ug/L	1	07/29/2025 0839	07/29/2025 1331	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1331	PB
Dibromochloromethane	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1331	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1331	PB
Ethylbenzene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1331	PB
m,p-Xylene	ND	1.0		ug/L	1	07/29/2025 0839	07/29/2025 1331	PB
Methylene chloride	ND	1.0		ug/L	1	07/29/2025 0839	07/29/2025 1331	PB
o-Xylene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1331	PB
Tetrachloroethene	0.53	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1331	PB
Toluene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1331	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1331	PB
Trichloroethene	3.7	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1331	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1331	PB
Vinyl chloride	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1331	PB
Surr: 4-Bromofluorobenzene	*106*	*70-130*		*%REC*	*1*	*07/29/2025 0839*	*07/29/2025 1331*	*PB*
Surr: Dibromofluoromethane	*97*	*70-130*		*%REC*	*1*	*07/29/2025 0839*	*07/29/2025 1331*	*PB*
Surr: Toluene-d8	*90*	*70-130*		*%REC*	*1*	*07/29/2025 0839*	*07/29/2025 1331*	*PB*

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Date: 08/11/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-072425-EH-65
Project:	TIA Routine Op	**Collection Date/Time:**	07/24/2025 1415
Work Order:	25G0753	**Matrix:**	Ground Water
Lab Sample ID:	25G0753-05	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1821	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/29/2025 0839	07/29/2025 1821	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1821	PB
1,1-Dichloroethene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1821	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1821	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1821	PB
2-Butanone (MEK)	ND	10		ug/L	1	07/29/2025 0839	07/29/2025 1821	PB
Acetone	ND	10		ug/L	1	07/29/2025 0839	07/29/2025 1821	PB
Benzene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1821	PB
Bromodichloromethane	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1821	PB
Bromoform	ND	2.0		ug/L	1	07/29/2025 0839	07/29/2025 1821	PB
Carbon tetrachloride	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1821	PB
Chlorobenzene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1821	PB
Chloroform	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1821	PB
Chloromethane	ND	1.0		ug/L	1	07/29/2025 0839	07/29/2025 1821	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1821	PB
Dibromochloromethane	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1821	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1821	PB
Ethylbenzene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1821	PB
m,p-Xylene	ND	1.0		ug/L	1	07/29/2025 0839	07/29/2025 1821	PB
Methylene chloride	ND	1.0		ug/L	1	07/29/2025 0839	07/29/2025 1821	PB
o-Xylene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1821	PB
Tetrachloroethene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1821	PB
Toluene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1821	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1821	PB
Trichloroethene	0.87	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1821	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1821	PB
Vinyl chloride	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1821	PB
Surr: 4-Bromofluorobenzene	*101*	*70-130*		*%REC*	*1*	*07/29/2025 0839*	*07/29/2025 1821*	*PB*
Surr: Dibromofluoromethane	*96*	*70-130*		*%REC*	*1*	*07/29/2025 0839*	*07/29/2025 1821*	*PB*
Surr: Toluene-d8	*87*	*70-130*		*%REC*	*1*	*07/29/2025 0839*	*07/29/2025 1821*	*PB*

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Date: 08/11/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-072525-EH-66
Project:	TIA Routine Op	**Collection Date/Time:**	07/25/2025 0825
Work Order:	25G0753	**Matrix:**	Ground Water
Lab Sample ID:	25G0753-06	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	2.5	D5	ug/L	5	07/29/2025 0839	07/29/2025 1858	PB
1,1,2-Trichlorotrifluoroethane	ND	25	D5	ug/L	5	07/29/2025 0839	07/29/2025 1858	PB
1,1-Dichloroethane	ND	2.5	D5	ug/L	5	07/29/2025 0839	07/29/2025 1858	PB
1,1-Dichloroethene	ND	2.5	D5	ug/L	5	07/29/2025 0839	07/29/2025 1858	PB
1,2-Dichloroethane	ND	2.5	D5	ug/L	5	07/29/2025 0839	07/29/2025 1858	PB
1,2-Dichloropropane	ND	2.5	D5	ug/L	5	07/29/2025 0839	07/29/2025 1858	PB
2-Butanone (MEK)	ND	50	D5	ug/L	5	07/29/2025 0839	07/29/2025 1858	PB
Acetone	ND	50	D5	ug/L	5	07/29/2025 0839	07/29/2025 1858	PB
Benzene	ND	2.5	D5	ug/L	5	07/29/2025 0839	07/29/2025 1858	PB
Bromodichloromethane	ND	2.5	D5	ug/L	5	07/29/2025 0839	07/29/2025 1858	PB
Bromoform	ND	10	D5	ug/L	5	07/29/2025 0839	07/29/2025 1858	PB
Carbon tetrachloride	ND	2.5	D5	ug/L	5	07/29/2025 0839	07/29/2025 1858	PB
Chlorobenzene	ND	2.5	D5	ug/L	5	07/29/2025 0839	07/29/2025 1858	PB
Chloroform	ND	2.5	D5	ug/L	5	07/29/2025 0839	07/29/2025 1858	PB
Chloromethane	ND	5.0	D5	ug/L	5	07/29/2025 0839	07/29/2025 1858	PB
cis-1,2-Dichloroethene	ND	2.5	D5	ug/L	5	07/29/2025 0839	07/29/2025 1858	PB
Dibromochloromethane	ND	2.5	D5	ug/L	5	07/29/2025 0839	07/29/2025 1858	PB
Dichlorodifluoromethane	ND	2.5	D5	ug/L	5	07/29/2025 0839	07/29/2025 1858	PB
Ethylbenzene	ND	2.5	D5	ug/L	5	07/29/2025 0839	07/29/2025 1858	PB
m,p-Xylene	ND	5.0	D5	ug/L	5	07/29/2025 0839	07/29/2025 1858	PB
Methylene chloride	ND	5.0	D5	ug/L	5	07/29/2025 0839	07/29/2025 1858	PB
o-Xylene	ND	2.5	D5	ug/L	5	07/29/2025 0839	07/29/2025 1858	PB
Tetrachloroethene	ND	2.5	D5	ug/L	5	07/29/2025 0839	07/29/2025 1858	PB
Toluene	ND	2.5	D5	ug/L	5	07/29/2025 0839	07/29/2025 1858	PB
trans-1,2-Dichloroethene	ND	2.5	D5	ug/L	5	07/29/2025 0839	07/29/2025 1858	PB
Trichloroethene	ND	2.5	D5	ug/L	5	07/29/2025 0839	07/29/2025 1858	PB
Trichlorofluoromethane	ND	2.5	D5	ug/L	5	07/29/2025 0839	07/29/2025 1858	PB
Vinyl chloride	ND	2.5	D5	ug/L	5	07/29/2025 0839	07/29/2025 1858	PB
Surr: 4-Bromofluorobenzene	*106*	*70-130*		*%REC*	*1*	*07/29/2025 0839*	*07/29/2025 1858*	*PB*
Surr: Dibromofluoromethane	*99*	*70-130*		*%REC*	*1*	*07/29/2025 0839*	*07/29/2025 1858*	*PB*
Surr: Toluene-d8	*89*	*70-130*		*%REC*	*1*	*07/29/2025 0839*	*07/29/2025 1858*	*PB*

Turner Laboratories, Inc.

Date: 08/11/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-072525-EH-67
Project:	TIA Routine Op	**Collection Date/Time:**	07/25/2025 0945
Work Order:	25G0753	**Matrix:**	Ground Water
Lab Sample ID:	25G0753-07	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1935	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/29/2025 0839	07/29/2025 1935	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1935	PB
1,1-Dichloroethene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1935	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1935	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1935	PB
2-Butanone (MEK)	ND	10		ug/L	1	07/29/2025 0839	07/29/2025 1935	PB
Acetone	ND	10		ug/L	1	07/29/2025 0839	07/29/2025 1935	PB
Benzene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1935	PB
Bromodichloromethane	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1935	PB
Bromoform	ND	2.0		ug/L	1	07/29/2025 0839	07/29/2025 1935	PB
Carbon tetrachloride	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1935	PB
Chlorobenzene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1935	PB
Chloroform	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1935	PB
Chloromethane	ND	1.0		ug/L	1	07/29/2025 0839	07/29/2025 1935	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1935	PB
Dibromochloromethane	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1935	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1935	PB
Ethylbenzene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1935	PB
m,p-Xylene	ND	1.0		ug/L	1	07/29/2025 0839	07/29/2025 1935	PB
Methylene chloride	ND	1.0		ug/L	1	07/29/2025 0839	07/29/2025 1935	PB
o-Xylene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1935	PB
Tetrachloroethene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1935	PB
Toluene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1935	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1935	PB
Trichloroethene	3.9	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1935	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1935	PB
Vinyl chloride	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 1935	PB
Surr: 4-Bromofluorobenzene	*105*	*70-130*		*%REC*	*1*	*07/29/2025 0839*	*07/29/2025 1935*	*PB*
Surr: Dibromofluoromethane	*96*	*70-130*		*%REC*	*1*	*07/29/2025 0839*	*07/29/2025 1935*	*PB*
Surr: Toluene-d8	*88*	*70-130*		*%REC*	*1*	*07/29/2025 0839*	*07/29/2025 1935*	*PB*

Turner Laboratories, Inc.

Date: 08/11/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-072525-EH-68
Project:	TIA Routine Op	**Collection Date/Time:**	07/25/2025 1055
Work Order:	25G0753	**Matrix:**	Ground Water
Lab Sample ID:	25G0753-08	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 2011	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/29/2025 0839	07/29/2025 2011	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 2011	PB
1,1-Dichloroethene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 2011	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 2011	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 2011	PB
2-Butanone (MEK)	ND	10		ug/L	1	07/29/2025 0839	07/29/2025 2011	PB
Acetone	ND	10		ug/L	1	07/29/2025 0839	07/29/2025 2011	PB
Benzene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 2011	PB
Bromodichloromethane	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 2011	PB
Bromoform	ND	2.0		ug/L	1	07/29/2025 0839	07/29/2025 2011	PB
Carbon tetrachloride	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 2011	PB
Chlorobenzene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 2011	PB
Chloroform	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 2011	PB
Chloromethane	ND	1.0		ug/L	1	07/29/2025 0839	07/29/2025 2011	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 2011	PB
Dibromochloromethane	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 2011	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 2011	PB
Ethylbenzene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 2011	PB
m,p-Xylene	ND	1.0		ug/L	1	07/29/2025 0839	07/29/2025 2011	PB
Methylene chloride	ND	1.0		ug/L	1	07/29/2025 0839	07/29/2025 2011	PB
o-Xylene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 2011	PB
Tetrachloroethene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 2011	PB
Toluene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 2011	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 2011	PB
Trichloroethene	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 2011	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 2011	PB
Vinyl chloride	ND	0.50		ug/L	1	07/29/2025 0839	07/29/2025 2011	PB
Surr: 4-Bromofluorobenzene	*103*	*70-130*		*%REC*	*1*	*07/29/2025 0839*	*07/29/2025 2011*	*PB*
Surr: Dibromofluoromethane	*97*	*70-130*		*%REC*	*1*	*07/29/2025 0839*	*07/29/2025 2011*	*PB*
Surr: Toluene-d8	*90*	*70-130*		*%REC*	*1*	*07/29/2025 0839*	*07/29/2025 2011*	*PB*

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25G0753
Date Received: 07/25/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2507285 - SW8260B										
Blank (2507285-BLK1)				Prepared & Analyzed: 07/29/2025						
1,1,1-Trichloroethane	ND	0.50	ug/L							
1,1,2-Trichlorotrifluoroethane	ND	5.0	ug/L							
1,1-Dichloroethane	ND	0.50	ug/L							
1,1-Dichloroethene	ND	0.50	ug/L							
1,2-Dichloroethane	ND	0.50	ug/L							
1,2-Dichloropropane	ND	0.50	ug/L							
2-Butanone (MEK)	ND	10	ug/L							
Acetone	ND	10	ug/L							
Benzene	ND	0.50	ug/L							
Bromodichloromethane	ND	0.50	ug/L							
Bromoform	ND	2.0	ug/L							
Carbon tetrachloride	ND	0.50	ug/L							
Chlorobenzene	ND	0.50	ug/L							
Chloroform	ND	0.50	ug/L							
Chloromethane	ND	1.0	ug/L							
cis-1,2-Dichloroethene	ND	0.50	ug/L							
Dibromochloromethane	ND	0.50	ug/L							
Dichlorodifluoromethane	ND	0.50	ug/L							
Ethylbenzene	ND	0.50	ug/L							
m,p-Xylene	ND	1.0	ug/L							
Methylene chloride	ND	1.0	ug/L							
o-Xylene	ND	0.50	ug/L							
Tetrachloroethene	ND	0.50	ug/L							
Toluene	ND	0.50	ug/L							
trans-1,2-Dichloroethene	ND	0.50	ug/L							
Trichloroethene	ND	0.50	ug/L							
Trichlorofluoromethane	ND	0.50	ug/L							
Vinyl chloride	ND	0.50	ug/L							
Surrogate: 4-Bromofluorobenzene	*55.1*		*ug/L*	*50.00*		*110*	*70-130*			
Surrogate: Dibromofluoromethane	*47.4*		*ug/L*	*50.00*		*95*	*70-130*			
Surrogate: Toluene-d8	*43.9*		*ug/L*	*50.00*		*88*	*70-130*			
LCS (2507285-BS1)				Prepared & Analyzed: 07/29/2025						
1,1-Dichloroethene	46	0.50	ug/L	50.00		92	70-130			
Benzene	53	0.50	ug/L	50.00		106	70-130			
Chlorobenzene	42	0.50	ug/L	50.00		84	70-130			
Toluene	44	0.50	ug/L	50.00		88	70-130			
Trichloroethene	44	0.50	ug/L	50.00		89	70-130			
Surrogate: 4-Bromofluorobenzene	*51.5*		*ug/L*	*50.00*		*103*	*70-130*			
Surrogate: Dibromofluoromethane	*44.4*		*ug/L*	*50.00*		*89*	*70-130*			
Surrogate: Toluene-d8	*41.4*		*ug/L*	*50.00*		*83*	*70-130*			

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25G0753
Date Received: 07/25/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2507285 - SW8260B										
LCS Dup (2507285-BSD1)				Prepared & Analyzed: 07/29/2025						
1,1-Dichloroethene	46	0.50	ug/L	50.00		92	70-130	0.5	30	
Benzene	53	0.50	ug/L	50.00		105	70-130	0.9	30	
Chlorobenzene	43	0.50	ug/L	50.00		85	70-130	1	30	
Toluene	44	0.50	ug/L	50.00		88	70-130	0.1	30	
Trichloroethene	43	0.50	ug/L	50.00		87	70-130	3	30	
Surrogate: 4-Bromofluorobenzene	*52.1*		*ug/L*	*50.00*		*104*	*70-130*			
Surrogate: Dibromofluoromethane	*45.9*		*ug/L*	*50.00*		*92*	*70-130*			
Surrogate: Toluene-d8	*40.9*		*ug/L*	*50.00*		*82*	*70-130*			
Matrix Spike (2507285-MS1)		**Source: 25G0753-01**		Prepared: 07/29/2025 Analyzed: 07/30/2025						
1,1-Dichloroethene	48	0.50	ug/L	50.00	ND	97	70-130			
Benzene	56	0.50	ug/L	50.00	ND	112	70-130			
Chlorobenzene	44	0.50	ug/L	50.00	ND	89	70-130			
Toluene	46	0.50	ug/L	50.00	ND	91	70-130			
Trichloroethene	47	0.50	ug/L	50.00	2.2	90	70-130			
Surrogate: 4-Bromofluorobenzene	*56.0*		*ug/L*	*50.00*		*112*	*70-130*			
Surrogate: Dibromofluoromethane	*52.2*		*ug/L*	*50.00*		*104*	*70-130*			
Surrogate: Toluene-d8	*46.9*		*ug/L*	*50.00*		*94*	*70-130*			
Matrix Spike (2507285-MS2)		**Source: 25G0753-04**		Prepared: 07/29/2025 Analyzed: 07/30/2025						
1,1-Dichloroethene	52	0.50	ug/L	50.00	ND	104	70-130			
Benzene	62	0.50	ug/L	50.00	ND	123	70-130			
Chlorobenzene	48	0.50	ug/L	50.00	ND	96	70-130			
Toluene	50	0.50	ug/L	50.00	ND	100	70-130			
Trichloroethene	53	0.50	ug/L	50.00	3.7	99	70-130			
Surrogate: 4-Bromofluorobenzene	*52.0*		*ug/L*	*50.00*		*104*	*70-130*			
Surrogate: Dibromofluoromethane	*49.5*		*ug/L*	*50.00*		*99*	*70-130*			
Surrogate: Toluene-d8	*43.2*		*ug/L*	*50.00*		*86*	*70-130*			
Matrix Spike Dup (2507285-MSD1)		**Source: 25G0753-01**		Prepared: 07/29/2025 Analyzed: 07/30/2025						
1,1-Dichloroethene	55	0.50	ug/L	50.00	ND	110	70-130	13	30	
Benzene	64	0.50	ug/L	50.00	ND	129	70-130	14	30	
Chlorobenzene	50	0.50	ug/L	50.00	ND	100	70-130	12	30	
Toluene	52	0.50	ug/L	50.00	ND	105	70-130	14	30	
Trichloroethene	54	0.50	ug/L	50.00	2.2	104	70-130	14	30	
Surrogate: 4-Bromofluorobenzene	*55.5*		*ug/L*	*50.00*		*111*	*70-130*			
Surrogate: Dibromofluoromethane	*52.2*		*ug/L*	*50.00*		*104*	*70-130*			
Surrogate: Toluene-d8	*46.3*		*ug/L*	*50.00*		*93*	*70-130*			
Matrix Spike Dup (2507285-MSD2)		**Source: 25G0753-04**		Prepared: 07/29/2025 Analyzed: 07/30/2025						
1,1-Dichloroethene	53	0.50	ug/L	50.00	ND	107	70-130	2	30	
Benzene	62	0.50	ug/L	50.00	ND	124	70-130	0.8	30	
Chlorobenzene	48	0.50	ug/L	50.00	ND	96	70-130	0.2	30	
Toluene	51	0.50	ug/L	50.00	ND	101	70-130	1	30	
Trichloroethene	54	0.50	ug/L	50.00	3.7	100	70-130	1	30	
Surrogate: 4-Bromofluorobenzene	*51.3*		*ug/L*	*50.00*		*103*	*70-130*			
Surrogate: Dibromofluoromethane	*48.8*		*ug/L*	*50.00*		*98*	*70-130*			
Surrogate: Toluene-d8	*43.1*		*ug/L*	*50.00*		*86*	*70-130*			

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25G0753
Date Received: 07/25/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2508020 - SW8260B										
Blank (2508020-BLK1)				Prepared & Analyzed: 08/04/2025						
1,1,1-Trichloroethane	ND	0.50	ug/L							
1,1,2-Trichlorotrifluoroethane	ND	5.0	ug/L							
1,1-Dichloroethane	ND	0.50	ug/L							
1,1-Dichloroethene	ND	0.50	ug/L							
1,2-Dichloroethane	ND	0.50	ug/L							
1,2-Dichloropropane	ND	0.50	ug/L							
2-Butanone (MEK)	ND	10	ug/L							
Acetone	ND	10	ug/L							
Benzene	ND	0.50	ug/L							
Bromodichloromethane	ND	0.50	ug/L							
Bromoform	ND	2.0	ug/L							
Carbon tetrachloride	ND	0.50	ug/L							
Chlorobenzene	ND	0.50	ug/L							
Chloroform	ND	0.50	ug/L							
Chloromethane	ND	1.0	ug/L							
cis-1,2-Dichloroethene	ND	0.50	ug/L							
Dibromochloromethane	ND	0.50	ug/L							
Dichlorodifluoromethane	ND	0.50	ug/L							
Ethylbenzene	ND	0.50	ug/L							
m,p-Xylene	ND	1.0	ug/L							
Methylene chloride	ND	1.0	ug/L							
o-Xylene	ND	0.50	ug/L							
Tetrachloroethene	ND	0.50	ug/L							
Toluene	ND	0.50	ug/L							
trans-1,2-Dichloroethene	ND	0.50	ug/L							
Trichloroethene	ND	0.50	ug/L							
Trichlorofluoromethane	ND	0.50	ug/L							
Vinyl chloride	ND	0.50	ug/L							
Surrogate: 4-Bromofluorobenzene	*52.6*		*ug/L*	*50.00*		*105*	*70-130*			
Surrogate: Dibromofluoromethane	*46.5*		*ug/L*	*50.00*		*93*	*70-130*			
Surrogate: Toluene-d8	*44.6*		*ug/L*	*50.00*		*89*	*70-130*			
LCS (2508020-BS1)				Prepared & Analyzed: 08/04/2025						
1,1-Dichloroethene	42	0.50	ug/L	50.00		84	70-130			
Benzene	51	0.50	ug/L	50.00		102	70-130			
Chlorobenzene	41	0.50	ug/L	50.00		82	70-130			
Toluene	42	0.50	ug/L	50.00		84	70-130			
Trichloroethene	41	0.50	ug/L	50.00		82	70-130			
Surrogate: 4-Bromofluorobenzene	*53.7*		*ug/L*	*50.00*		*107*	*70-130*			
Surrogate: Dibromofluoromethane	*46.5*		*ug/L*	*50.00*		*93*	*70-130*			
Surrogate: Toluene-d8	*44.0*		*ug/L*	*50.00*		*88*	*70-130*			

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25G0753
Date Received: 07/25/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2508020 - SW8260B										
LCS Dup (2508020-BSD1)				Prepared & Analyzed: 08/04/2025						
1,1-Dichloroethene	45	0.50	ug/L	50.00		90	70-130	7	30	
Benzene	53	0.50	ug/L	50.00		107	70-130	5	30	
Chlorobenzene	44	0.50	ug/L	50.00		89	70-130	8	30	
Toluene	46	0.50	ug/L	50.00		93	70-130	9	30	
Trichloroethene	45	0.50	ug/L	50.00		89	70-130	9	30	
Surrogate: 4-Bromofluorobenzene	*52.9*		*ug/L*	*50.00*		*106*	*70-130*			
Surrogate: Dibromofluoromethane	*46.7*		*ug/L*	*50.00*		*93*	*70-130*			
Surrogate: Toluene-d8	*45.1*		*ug/L*	*50.00*		*90*	*70-130*			
Matrix Spike (2508020-MS1)		**Source: 25G0753-03RE1**		Prepared: 08/04/2025 Analyzed: 08/05/2025						
1,1-Dichloroethene	220	2.5	ug/L	250.0	7.7	86	70-130			
Benzene	260	2.5	ug/L	250.0	ND	105	70-130			
Chlorobenzene	210	2.5	ug/L	250.0	ND	84	70-130			
Toluene	220	2.5	ug/L	250.0	ND	87	70-130			
Trichloroethene	260	2.5	ug/L	250.0	54	82	70-130			
Surrogate: 4-Bromofluorobenzene	*260*		*ug/L*	*250.0*		*104*	*70-130*			
Surrogate: Dibromofluoromethane	*253*		*ug/L*	*250.0*		*101*	*70-130*			
Surrogate: Toluene-d8	*222*		*ug/L*	*250.0*		*89*	*70-130*			
Matrix Spike (2508020-MS2)		**Source: 25H0028-05**		Prepared: 08/04/2025 Analyzed: 08/05/2025						
1,1-Dichloroethene	51	0.50	ug/L	50.00	ND	102	70-130			
Benzene	61	0.50	ug/L	50.00	ND	123	70-130			
Chlorobenzene	48	0.50	ug/L	50.00	ND	96	70-130			
Toluene	50	0.50	ug/L	50.00	ND	101	70-130			
Trichloroethene	49	0.50	ug/L	50.00	ND	97	70-130			
Surrogate: 4-Bromofluorobenzene	*53.9*		*ug/L*	*50.00*		*108*	*70-130*			
Surrogate: Dibromofluoromethane	*50.1*		*ug/L*	*50.00*		*100*	*70-130*			
Surrogate: Toluene-d8	*45.5*		*ug/L*	*50.00*		*91*	*70-130*			
Matrix Spike Dup (2508020-MSD1)		**Source: 25G0753-03RE1**		Prepared: 08/04/2025 Analyzed: 08/05/2025						
1,1-Dichloroethene	240	2.5	ug/L	250.0	7.7	93	70-130	7	30	E7
Benzene	280	2.5	ug/L	250.0	ND	113	70-130	7	30	E7
Chlorobenzene	220	2.5	ug/L	250.0	ND	87	70-130	3	30	E7
Toluene	220	2.5	ug/L	250.0	ND	90	70-130	3	30	E7
Trichloroethene	270	2.5	ug/L	250.0	54	87	70-130	4	30	E7
Surrogate: 4-Bromofluorobenzene	*262*		*ug/L*	*250.0*		*105*	*70-130*			*E7*
Surrogate: Dibromofluoromethane	*256*		*ug/L*	*250.0*		*103*	*70-130*			*E7*
Surrogate: Toluene-d8	*218*		*ug/L*	*250.0*		*87*	*70-130*			*E7*
Matrix Spike Dup (2508020-MSD2)		**Source: 25H0028-05**		Prepared: 08/04/2025 Analyzed: 08/05/2025						
1,1-Dichloroethene	44	0.50	ug/L	50.00	ND	89	70-130	14	30	
Benzene	52	0.50	ug/L	50.00	ND	104	70-130	16	30	
Chlorobenzene	43	0.50	ug/L	50.00	ND	86	70-130	11	30	
Toluene	45	0.50	ug/L	50.00	ND	90	70-130	11	30	
Trichloroethene	43	0.50	ug/L	50.00	ND	86	70-130	12	30	
Surrogate: 4-Bromofluorobenzene	*48.7*		*ug/L*	*50.00*		*97*	*70-130*			
Surrogate: Dibromofluoromethane	*46.4*		*ug/L*	*50.00*		*93*	*70-130*			
Surrogate: Toluene-d8	*42.5*		*ug/L*	*50.00*		*85*	*70-130*			

Level III

TURNER LABORATORIES INC.
2445 N. Coyote Drive, Suite 104
Tucson, Arizona 85745
(520) 882-5880
Fax: (520) 882-9788
www.turnerlabs.com

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

TURNER WORK ORDER # 2560753 DATE 7/25/25 PAGE 1 OF 1

PROJECT NAME TIA Routine Op # 12619196.5.5.7

CONTACT NAME : Justin Berkompas

COMPANY NAME : GHD Services, Inc.

ADDRESS : 333 E Wetmore Rd. Suite 300

CITY Tucson STATE AZ ZIP CODE

PHONE 720-974-0964 FAX

SAMPLER'S SIGNATURE [signature]

CIRCLE ANALYSIS REQUESTED AND/OR CHECK THE APPROPRIATE BOX

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX*	NUMBER OF CONTAINERS	8260	Level III Data Package	Anticipate High conc.
GW-072425-EH-62	07/24/25	0855		GW	6	X	X	
GW-072425-EH-TB	07/24/25	0855		GW	1			
GW-072425-EH-63	07/24/25	1005		GW	6		X	X
GW-072425-EH-64	07/24/25	1205		GW	6			
GW-072425-EH-65	07/24/25	1415		GW	6			
GW-072525-EH-66	07/25/25	0825		GW	6			X
GW-072525-EH-67	07/25/25	0945		GW	6			
GW-072525-EH-68	07/25/25	1055		GW	6			

1. RELINQUISHED BY: [signature]
Signature
Elijah Hareid
Printed Name
GHD Services Inc.
Firm
07/25/25 1328
Date/Time

2. RECEIVED BY:
Signature
Printed Name
Firm
Date/Time

TURNAROUND REQUIREMENTS:
____Standard (approx.10 days)*
____Next day ____2 Day ____5 Day*
____ Email Preliminary Results To:
* Working Days

REPORT REQUIREMENTS:
____ I. Routine Report
____ II. Report (includes DUP,MS,MSD, as required, may be charged as samples)
____ III. Date Validation Report (Includes All Raw Data)
Add 10% to invoice

INVOICE INFORMATION:
Account ____ Y ____ N
P.O. # ____
Bill to: ____

SAMPLE RECEIPT: IR #48
Total Containers ____
Temperature 2.2
☒ Wet Ice ☐ Blue Ice

3. RELINQUISHED BY:
Signature
Printed Name
Firm
Date/Time

4. RECEIVED BY: [signature]
Signature
Christian Cervantes
Printed Name
TURNER LABORATORIES, INC.
Firm
7/25/25 13 28
Date/Time

*LEGEND
DW = DRINKING WATER
GW = GROUNDWATER
SD = SOLID
SG = SLUDGE
SL = SOIL
ST = STORMWATER
WW = WASTEWATER

SPECIAL INSTRUCTIONS/COMMENTS:

Compliance Analysis: ☐ Yes ☐ No	Custody Seals ☐	Preservation Confirmation ☑
ADEQ Forms: ☐ Yes ☐ No	Container Intact ☒	Appropriate Head Space ☑
Mail ADEQ Forms: ☐ Yes ☐ No	COC/Labels Agree ☑	Received Within Hold Time ☑

August 18, 2025

Justin Berkompas
GHD Services, Inc. - Tucson
6700 N. Oracle Rd. Suite 238
Tucson, AZ 85704

TEL (520) 203-0701
FAX

Work Order No.: 25H0026
Order Name: 12619196.5.5.7

RE: TIA Routine Op

Dear Justin Berkompas,

Turner Laboratories, Inc. received 4 sample(s) on 08/01/2025 for the analyses presented in the following report.

All results are intended to be considered in their entirety, and Turner Laboratories, Inc. is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Samples will be disposed of 30 days after issue of our report unless special arrangements are made.

The pages that follow may contain sensitive, privileged or confidential information intended solely for the addressee named above. If you receive this message and are not the agent or employee of the addressee, this communication has been sent in error. Please do not disseminate or copy any of the attached and notify the sender immediately by telephone. Please also return the attached sheet(s) to the sender by mail.

Please call if you have any questions.

Respectfully submitted,

Turner Laboratories, Inc.
ADHS License AZ0066

Elizabeth Kasik
Laboratory Director

Turner Laboratories, Inc.

Date: 08/18/2025

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0026
Date Received: 08/01/2025

Order: 12619196.5.5.7

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date/Time
25H0026-01	GW-073125-EH-74	Ground Water	07/31/2025 1355
25H0026-02	GW-073125-EH-TB	Trip Blank	07/31/2025 1355
25H0026-03	GW-080125-EH-75	Ground Water	08/01/2025 0805
25H0026-04	GW-080125-EH-76	Ground Water	08/01/2025 0905

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0026
Date Received: 08/01/2025

Case Narrative

E7 Concentration estimated. Internal standard recoveries did not meet laboratory acceptance criteria.

All soil, sludge, and solid matrix determinations are reported on a wet weight basis unless otherwise noted.

ND Not Detected at or above the PQL

PQL Practical Quantitation Limit

DF Dilution Factor

Turner Laboratories, Inc.

Date: 08/18/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-073125-EH-74
Project:	TIA Routine Op	**Collection Date/Time:**	07/31/2025 1355
Work Order:	25H0026	**Matrix:**	Ground Water
Lab Sample ID:	25H0026-01	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1929	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/04/2025 0800	08/04/2025 1929	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1929	PB
1,1-Dichloroethene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1929	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1929	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1929	PB
2-Butanone (MEK)	ND	10		ug/L	1	08/04/2025 0800	08/04/2025 1929	PB
Acetone	ND	10		ug/L	1	08/04/2025 0800	08/04/2025 1929	PB
Benzene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1929	PB
Bromodichloromethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1929	PB
Bromoform	ND	2.0		ug/L	1	08/04/2025 0800	08/04/2025 1929	PB
Carbon tetrachloride	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1929	PB
Chlorobenzene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1929	PB
Chloroform	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1929	PB
Chloromethane	ND	1.0		ug/L	1	08/04/2025 0800	08/04/2025 1929	PB
cis-1,2-Dichloroethene	2.6	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1929	PB
Dibromochloromethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1929	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1929	PB
Ethylbenzene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1929	PB
m,p-Xylene	ND	1.0		ug/L	1	08/04/2025 0800	08/04/2025 1929	PB
Methylene chloride	ND	1.0		ug/L	1	08/04/2025 0800	08/04/2025 1929	PB
o-Xylene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1929	PB
Tetrachloroethene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1929	PB
Toluene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1929	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1929	PB
Trichloroethene	1.4	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1929	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1929	PB
Vinyl chloride	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1929	PB
Surr: 4-Bromofluorobenzene	*97*	*70-130*		*%REC*	*1*	*08/04/2025 0800*	*08/04/2025 1929*	*PB*
Surr: Dibromofluoromethane	*92*	*70-130*		*%REC*	*1*	*08/04/2025 0800*	*08/04/2025 1929*	*PB*
Surr: Toluene-d8	*87*	*70-130*		*%REC*	*1*	*08/04/2025 0800*	*08/04/2025 1929*	*PB*

Turner Laboratories, Inc.

Date: 08/18/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-073125-EH-TB
Project:	TIA Routine Op	**Collection Date/Time:**	07/31/2025 1355
Work Order:	25H0026	**Matrix:**	Trip Blank
Lab Sample ID:	25H0026-02	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1402	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/04/2025 0800	08/04/2025 1402	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1402	PB
1,1-Dichloroethene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1402	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1402	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1402	PB
2-Butanone (MEK)	ND	10		ug/L	1	08/04/2025 0800	08/04/2025 1402	PB
Acetone	ND	10		ug/L	1	08/04/2025 0800	08/04/2025 1402	PB
Benzene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1402	PB
Bromodichloromethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1402	PB
Bromoform	ND	2.0		ug/L	1	08/04/2025 0800	08/04/2025 1402	PB
Carbon tetrachloride	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1402	PB
Chlorobenzene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1402	PB
Chloroform	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1402	PB
Chloromethane	ND	1.0		ug/L	1	08/04/2025 0800	08/04/2025 1402	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1402	PB
Dibromochloromethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1402	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1402	PB
Ethylbenzene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1402	PB
m,p-Xylene	ND	1.0		ug/L	1	08/04/2025 0800	08/04/2025 1402	PB
Methylene chloride	ND	1.0		ug/L	1	08/04/2025 0800	08/04/2025 1402	PB
o-Xylene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1402	PB
Tetrachloroethene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1402	PB
Toluene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1402	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1402	PB
Trichloroethene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1402	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1402	PB
Vinyl chloride	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1402	PB
Surr: 4-Bromofluorobenzene	*104*	*70-130*		*%REC*	*1*	*08/04/2025 0800*	*08/04/2025 1402*	*PB*
Surr: Dibromofluoromethane	*94*	*70-130*		*%REC*	*1*	*08/04/2025 0800*	*08/04/2025 1402*	*PB*
Surr: Toluene-d8	*87*	*70-130*		*%REC*	*1*	*08/04/2025 0800*	*08/04/2025 1402*	*PB*

Turner Laboratories, Inc.

Date: 08/18/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-080125-EH-75
Project:	TIA Routine Op	**Collection Date/Time:**	08/01/2025 0805
Work Order:	25H0026	**Matrix:**	Ground Water
Lab Sample ID:	25H0026-03	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2006	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/04/2025 0800	08/04/2025 2006	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2006	PB
1,1-Dichloroethene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2006	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2006	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2006	PB
2-Butanone (MEK)	ND	10		ug/L	1	08/04/2025 0800	08/04/2025 2006	PB
Acetone	ND	10		ug/L	1	08/04/2025 0800	08/04/2025 2006	PB
Benzene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2006	PB
Bromodichloromethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2006	PB
Bromoform	ND	2.0		ug/L	1	08/04/2025 0800	08/04/2025 2006	PB
Carbon tetrachloride	1.8	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2006	PB
Chlorobenzene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2006	PB
Chloroform	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2006	PB
Chloromethane	ND	1.0		ug/L	1	08/04/2025 0800	08/04/2025 2006	PB
cis-1,2-Dichloroethene	3.9	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2006	PB
Dibromochloromethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2006	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2006	PB
Ethylbenzene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2006	PB
m,p-Xylene	ND	1.0		ug/L	1	08/04/2025 0800	08/04/2025 2006	PB
Methylene chloride	ND	1.0		ug/L	1	08/04/2025 0800	08/04/2025 2006	PB
o-Xylene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2006	PB
Tetrachloroethene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2006	PB
Toluene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2006	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2006	PB
Trichloroethene	1.9	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2006	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2006	PB
Vinyl chloride	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2006	PB
Surr: 4-Bromofluorobenzene	*97*	*70-130*		*%REC*	*1*	*08/04/2025 0800*	*08/04/2025 2006*	*PB*
Surr: Dibromofluoromethane	*93*	*70-130*		*%REC*	*1*	*08/04/2025 0800*	*08/04/2025 2006*	*PB*
Surr: Toluene-d8	*84*	*70-130*		*%REC*	*1*	*08/04/2025 0800*	*08/04/2025 2006*	*PB*

Turner Laboratories, Inc.

Date: 08/18/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-080125-EH-76
Project:	TIA Routine Op	**Collection Date/Time:**	08/01/2025 0905
Work Order:	25H0026	**Matrix:**	Ground Water
Lab Sample ID:	25H0026-04	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2306	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/04/2025 0800	08/04/2025 2306	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2306	PB
1,1-Dichloroethene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2306	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2306	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2306	PB
2-Butanone (MEK)	ND	10		ug/L	1	08/04/2025 0800	08/04/2025 2306	PB
Acetone	ND	10		ug/L	1	08/04/2025 0800	08/04/2025 2306	PB
Benzene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2306	PB
Bromodichloromethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2306	PB
Bromoform	ND	2.0		ug/L	1	08/04/2025 0800	08/04/2025 2306	PB
Carbon tetrachloride	3.7	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2306	PB
Chlorobenzene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2306	PB
Chloroform	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2306	PB
Chloromethane	ND	1.0		ug/L	1	08/04/2025 0800	08/04/2025 2306	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2306	PB
Dibromochloromethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2306	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2306	PB
Ethylbenzene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2306	PB
m,p-Xylene	ND	1.0		ug/L	1	08/04/2025 0800	08/04/2025 2306	PB
Methylene chloride	ND	1.0		ug/L	1	08/04/2025 0800	08/04/2025 2306	PB
o-Xylene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2306	PB
Tetrachloroethene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2306	PB
Toluene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2306	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2306	PB
Trichloroethene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2306	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2306	PB
Vinyl chloride	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2306	PB
Surr: 4-Bromofluorobenzene	*94*	*70-130*		*%REC*	*1*	*08/04/2025 0800*	*08/04/2025 2306*	*PB*
Surr: Dibromofluoromethane	*88*	*70-130*		*%REC*	*1*	*08/04/2025 0800*	*08/04/2025 2306*	*PB*
Surr: Toluene-d8	*80*	*70-130*		*%REC*	*1*	*08/04/2025 0800*	*08/04/2025 2306*	*PB*

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0026
Date Received: 08/01/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2508020 - SW8260B										
Blank (2508020-BLK1)				Prepared & Analyzed: 08/04/2025						
1,1,1-Trichloroethane	ND	0.50	ug/L							
1,1,2-Trichlorotrifluoroethane	ND	5.0	ug/L							
1,1-Dichloroethane	ND	0.50	ug/L							
1,1-Dichloroethene	ND	0.50	ug/L							
1,2-Dichloroethane	ND	0.50	ug/L							
1,2-Dichloropropane	ND	0.50	ug/L							
2-Butanone (MEK)	ND	10	ug/L							
Acetone	ND	10	ug/L							
Benzene	ND	0.50	ug/L							
Bromodichloromethane	ND	0.50	ug/L							
Bromoform	ND	2.0	ug/L							
Carbon tetrachloride	ND	0.50	ug/L							
Chlorobenzene	ND	0.50	ug/L							
Chloroform	ND	0.50	ug/L							
Chloromethane	ND	1.0	ug/L							
cis-1,2-Dichloroethene	ND	0.50	ug/L							
Dibromochloromethane	ND	0.50	ug/L							
Dichlorodifluoromethane	ND	0.50	ug/L							
Ethylbenzene	ND	0.50	ug/L							
m,p-Xylene	ND	1.0	ug/L							
Methylene chloride	ND	1.0	ug/L							
o-Xylene	ND	0.50	ug/L							
Tetrachloroethene	ND	0.50	ug/L							
Toluene	ND	0.50	ug/L							
trans-1,2-Dichloroethene	ND	0.50	ug/L							
Trichloroethene	ND	0.50	ug/L							
Trichlorofluoromethane	ND	0.50	ug/L							
Vinyl chloride	ND	0.50	ug/L							
Surrogate: 4-Bromofluorobenzene	*52.6*		*ug/L*	*50.00*		*105*	*70-130*			
Surrogate: Dibromofluoromethane	*46.5*		*ug/L*	*50.00*		*93*	*70-130*			
Surrogate: Toluene-d8	*44.6*		*ug/L*	*50.00*		*89*	*70-130*			
LCS (2508020-BS1)				Prepared & Analyzed: 08/04/2025						
1,1-Dichloroethene	42	0.50	ug/L	50.00		84	70-130			
Benzene	51	0.50	ug/L	50.00		102	70-130			
Chlorobenzene	41	0.50	ug/L	50.00		82	70-130			
Toluene	42	0.50	ug/L	50.00		84	70-130			
Trichloroethene	41	0.50	ug/L	50.00		82	70-130			
Surrogate: 4-Bromofluorobenzene	*53.7*		*ug/L*	*50.00*		*107*	*70-130*			
Surrogate: Dibromofluoromethane	*46.5*		*ug/L*	*50.00*		*93*	*70-130*			
Surrogate: Toluene-d8	*44.0*		*ug/L*	*50.00*		*88*	*70-130*			

Turner Laboratories, Inc.

Date: 08/18/2025

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0026
Date Received: 08/01/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2508020 - SW8260B										
LCS Dup (2508020-BSD1)				Prepared & Analyzed: 08/04/2025						
1,1-Dichloroethene	45	0.50	ug/L	50.00		90	70-130	7	30	
Benzene	53	0.50	ug/L	50.00		107	70-130	5	30	
Chlorobenzene	44	0.50	ug/L	50.00		89	70-130	8	30	
Toluene	46	0.50	ug/L	50.00		93	70-130	9	30	
Trichloroethene	45	0.50	ug/L	50.00		89	70-130	9	30	
Surrogate: 4-Bromofluorobenzene	*52.9*		*ug/L*	*50.00*		*106*	*70-130*			
Surrogate: Dibromofluoromethane	*46.7*		*ug/L*	*50.00*		*93*	*70-130*			
Surrogate: Toluene-d8	*45.1*		*ug/L*	*50.00*		*90*	*70-130*			
Matrix Spike (2508020-MS1)		**Source: 25G0753-03RE1**		Prepared: 08/04/2025 Analyzed: 08/05/2025						
1,1-Dichloroethene	220	2.5	ug/L	250.0	7.7	86	70-130			
Benzene	260	2.5	ug/L	250.0	ND	105	70-130			
Chlorobenzene	210	2.5	ug/L	250.0	ND	84	70-130			
Toluene	220	2.5	ug/L	250.0	ND	87	70-130			
Trichloroethene	260	2.5	ug/L	250.0	54	82	70-130			
Surrogate: 4-Bromofluorobenzene	*260*		*ug/L*	*250.0*		*104*	*70-130*			
Surrogate: Dibromofluoromethane	*253*		*ug/L*	*250.0*		*101*	*70-130*			
Surrogate: Toluene-d8	*222*		*ug/L*	*250.0*		*89*	*70-130*			
Matrix Spike (2508020-MS2)		**Source: 25H0028-05**		Prepared: 08/04/2025 Analyzed: 08/05/2025						
1,1-Dichloroethene	51	0.50	ug/L	50.00	ND	102	70-130			
Benzene	61	0.50	ug/L	50.00	ND	123	70-130			
Chlorobenzene	48	0.50	ug/L	50.00	ND	96	70-130			
Toluene	50	0.50	ug/L	50.00	ND	101	70-130			
Trichloroethene	49	0.50	ug/L	50.00	ND	97	70-130			
Surrogate: 4-Bromofluorobenzene	*53.9*		*ug/L*	*50.00*		*108*	*70-130*			
Surrogate: Dibromofluoromethane	*50.1*		*ug/L*	*50.00*		*100*	*70-130*			
Surrogate: Toluene-d8	*45.5*		*ug/L*	*50.00*		*91*	*70-130*			
Matrix Spike Dup (2508020-MSD1)		**Source: 25G0753-03RE1**		Prepared: 08/04/2025 Analyzed: 08/05/2025						
1,1-Dichloroethene	240	2.5	ug/L	250.0	7.7	93	70-130	7	30	E7
Benzene	280	2.5	ug/L	250.0	ND	113	70-130	7	30	E7
Chlorobenzene	220	2.5	ug/L	250.0	ND	87	70-130	3	30	E7
Toluene	220	2.5	ug/L	250.0	ND	90	70-130	3	30	E7
Trichloroethene	270	2.5	ug/L	250.0	54	87	70-130	4	30	E7
Surrogate: 4-Bromofluorobenzene	*262*		*ug/L*	*250.0*		*105*	*70-130*			*E7*
Surrogate: Dibromofluoromethane	*256*		*ug/L*	*250.0*		*103*	*70-130*			*E7*
Surrogate: Toluene-d8	*218*		*ug/L*	*250.0*		*87*	*70-130*			*E7*
Matrix Spike Dup (2508020-MSD2)		**Source: 25H0028-05**		Prepared: 08/04/2025 Analyzed: 08/05/2025						
1,1-Dichloroethene	44	0.50	ug/L	50.00	ND	89	70-130	14	30	
Benzene	52	0.50	ug/L	50.00	ND	104	70-130	16	30	
Chlorobenzene	43	0.50	ug/L	50.00	ND	86	70-130	11	30	
Toluene	45	0.50	ug/L	50.00	ND	90	70-130	11	30	
Trichloroethene	43	0.50	ug/L	50.00	ND	86	70-130	12	30	
Surrogate: 4-Bromofluorobenzene	*48.7*		*ug/L*	*50.00*		*97*	*70-130*			
Surrogate: Dibromofluoromethane	*46.4*		*ug/L*	*50.00*		*93*	*70-130*			
Surrogate: Toluene-d8	*42.5*		*ug/L*	*50.00*		*85*	*70-130*			

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25H0026

TURNER LABORATORIES INC.
2445 N. Coyote Drive, Suite 104
Tucson, Arizona 85745
(520) 882-5880
Fax: (520) 882-9788
www.turnerlabs.com

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

TURNER WORK ORDER # _____ DATE _____ PAGE 1 OF 1

PROJECT NAME TIA Routine OP # 12619196.5.5.7

CONTACT NAME : Justin Berkompas

COMPANY NAME : GHD Services, Inc.

ADDRESS :333 E Wetmore Rd. Suite 100

CITY Tucson STATE AZ ZIP CODE 85705

PHONE 720-974-0964 FAX

SAMPLER'S SIGNATURE Elyah Harrod

CIRCLE ANALYSIS REQUESTED AND/OR CHECK THE APPROPRIATE BOX

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX*	NUMBER OF CONTAINERS	8260
GW-073125-EH-74	07/31/25	1355		GW	3	X
GW-073125-EH-TB	07/31/25	1355		GW	1	X
GW-080125-EH-75	08/01/25	0805		GW	3	X
GW-080125-EH-76	08/01/25	0905		GW	3	X

1. RELINQUISHED BY: Elyah Harrod
Signature
Elyah Harrod
Printed Name
GHD Services Inc.
Firm
08/01/25 1122
Date/Time

2. RECEIVED BY:
Signature
Printed Name
Firm
Date/Time

TURNAROUND REQUIREMENTS:
____ Standard (approx.10 days)*
____ Next day ____ 2 Day ____ 5 Day*
____ Email Preliminary Results To:
* Working Days

REPORT REQUIREMENTS:
____ I. Routine Report
____ II. Report (includes DUP,MS,MSD, as required, may be charged as samples)
____ III. Date Validation Report (includes All Raw Data)
Add 10% to invoice

INVOICE INFORMATION:
Account ____ Y ____ N
P.O. # _____
Bill to: _____

SAMPLE RECEIPT: LR-48
Total Containers _____
Temperature 1.4
☑ Wet Ice ☐ Blue Ice

3. RELINQUISHED BY:
Signature
Printed Name
Firm
Date/Time

4. RECEIVED BY: Kathryn Roberts
Signature
Printed Name
TURNER LABORATORIES, INC.
Firm
8/1/25 1122
Date/Time

*LEGEND
DW = DRINKING WATER
GW = GROUNDWATER
SD = SOLID
SG = SLUDGE
SL = SOIL
ST = STORMWATER
WW = WASTEWATER

SPECIAL INSTRUCTIONS/COMMENTS:

Compliance Analysis:	☐ Yes	☐ No	Custody Seals	☐	Preservation Confirmation	☑
ADEQ Forms:	☐ Yes	☐ No	Container Intact	☑	Appropriate Head Space	☑
Mail ADEQ Forms:	☐ Yes	☐ No	COC/Labels Agree	☑	Received Within Hold Time	☑

August 18, 2025

Justin Berkompas
GHD Services, Inc. - Tucson
6700 N. Oracle Rd. Suite 238
Tucson, AZ 85704

TEL (520) 203-0701
FAX

Work Order No.: 25H0027
Order Name: 12619196.5.5.7

RE: TIA Routine Op

Dear Justin Berkompas,

Turner Laboratories, Inc. received 2 sample(s) on 08/01/2025 for the analyses presented in the following report.

All results are intended to be considered in their entirety, and Turner Laboratories, Inc. is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Samples will be disposed of 30 days after issue of our report unless special arrangements are made.

The pages that follow may contain sensitive, privileged or confidential information intended solely for the addressee named above. If you receive this message and are not the agent or employee of the addressee, this communication has been sent in error. Please do not disseminate or copy any of the attached and notify the sender immediately by telephone. Please also return the attached sheet(s) to the sender by mail.

Please call if you have any questions.

Respectfully submitted,

Turner Laboratories, Inc.
ADHS License AZ0066

Elizabeth Kasik
Laboratory Director

Turner Laboratories, Inc.

Date: 08/18/2025

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0027
Date Received: 08/01/2025

Order: 12619196.5.5.7

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date/Time
25H0027-01	GW-073125-EH-73	Ground Water	07/31/2025 1125
25H0027-02	GW-073125-EH-TB	Trip Blank	07/31/2025 1125

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0027
Date Received: 08/01/2025

Case Narrative

E7 Concentration estimated. Internal standard recoveries did not meet laboratory acceptance criteria.

All soil, sludge, and solid matrix determinations are reported on a wet weight basis unless otherwise noted.

ND Not Detected at or above the PQL

PQL Practical Quantitation Limit

DF Dilution Factor

Turner Laboratories, Inc.

Date: 08/18/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-073125-EH-73
Project:	TIA Routine Op	**Collection Date/Time:**	07/31/2025 1125
Work Order:	25H0027	**Matrix:**	Ground Water
Lab Sample ID:	25H0027-01	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2343	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/04/2025 0800	08/04/2025 2343	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2343	PB
1,1-Dichloroethene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2343	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2343	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2343	PB
2-Butanone (MEK)	ND	10		ug/L	1	08/04/2025 0800	08/04/2025 2343	PB
Acetone	ND	10		ug/L	1	08/04/2025 0800	08/04/2025 2343	PB
Benzene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2343	PB
Bromodichloromethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2343	PB
Bromoform	ND	2.0		ug/L	1	08/04/2025 0800	08/04/2025 2343	PB
Carbon tetrachloride	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2343	PB
Chlorobenzene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2343	PB
Chloroform	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2343	PB
Chloromethane	ND	1.0		ug/L	1	08/04/2025 0800	08/04/2025 2343	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2343	PB
Dibromochloromethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2343	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2343	PB
Ethylbenzene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2343	PB
m,p-Xylene	ND	1.0		ug/L	1	08/04/2025 0800	08/04/2025 2343	PB
Methylene chloride	ND	1.0		ug/L	1	08/04/2025 0800	08/04/2025 2343	PB
o-Xylene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2343	PB
Tetrachloroethene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2343	PB
Toluene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2343	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2343	PB
Trichloroethene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2343	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2343	PB
Vinyl chloride	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 2343	PB
Surr: 4-Bromofluorobenzene	*96*	*70-130*		*%REC*	*1*	*08/04/2025 0800*	*08/04/2025 2343*	*PB*
Surr: Dibromofluoromethane	*91*	*70-130*		*%REC*	*1*	*08/04/2025 0800*	*08/04/2025 2343*	*PB*
Surr: Toluene-d8	*85*	*70-130*		*%REC*	*1*	*08/04/2025 0800*	*08/04/2025 2343*	*PB*

Turner Laboratories, Inc.

Date: 08/18/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-073125-EH-TB
Project:	TIA Routine Op	**Collection Date/Time:**	07/31/2025 1125
Work Order:	25H0027	**Matrix:**	Trip Blank
Lab Sample ID:	25H0027-02	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1437	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/04/2025 0800	08/04/2025 1437	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1437	PB
1,1-Dichloroethene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1437	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1437	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1437	PB
2-Butanone (MEK)	ND	10		ug/L	1	08/04/2025 0800	08/04/2025 1437	PB
Acetone	ND	10		ug/L	1	08/04/2025 0800	08/04/2025 1437	PB
Benzene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1437	PB
Bromodichloromethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1437	PB
Bromoform	ND	2.0		ug/L	1	08/04/2025 0800	08/04/2025 1437	PB
Carbon tetrachloride	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1437	PB
Chlorobenzene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1437	PB
Chloroform	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1437	PB
Chloromethane	ND	1.0		ug/L	1	08/04/2025 0800	08/04/2025 1437	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1437	PB
Dibromochloromethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1437	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1437	PB
Ethylbenzene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1437	PB
m,p-Xylene	ND	1.0		ug/L	1	08/04/2025 0800	08/04/2025 1437	PB
Methylene chloride	ND	1.0		ug/L	1	08/04/2025 0800	08/04/2025 1437	PB
o-Xylene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1437	PB
Tetrachloroethene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1437	PB
Toluene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1437	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1437	PB
Trichloroethene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1437	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1437	PB
Vinyl chloride	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1437	PB
Surr: 4-Bromofluorobenzene	*103*	*70-130*		*%REC*	*1*	*08/04/2025 0800*	*08/04/2025 1437*	*PB*
Surr: Dibromofluoromethane	*93*	*70-130*		*%REC*	*1*	*08/04/2025 0800*	*08/04/2025 1437*	*PB*
Surr: Toluene-d8	*89*	*70-130*		*%REC*	*1*	*08/04/2025 0800*	*08/04/2025 1437*	*PB*

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0027
Date Received: 08/01/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2508020 - SW8260B										
Blank (2508020-BLK1)				Prepared & Analyzed: 08/04/2025						
1,1,1-Trichloroethane	ND	0.50	ug/L							
1,1,2-Trichlorotrifluoroethane	ND	5.0	ug/L							
1,1-Dichloroethane	ND	0.50	ug/L							
1,1-Dichloroethene	ND	0.50	ug/L							
1,2-Dichloroethane	ND	0.50	ug/L							
1,2-Dichloropropane	ND	0.50	ug/L							
2-Butanone (MEK)	ND	10	ug/L							
Acetone	ND	10	ug/L							
Benzene	ND	0.50	ug/L							
Bromodichloromethane	ND	0.50	ug/L							
Bromoform	ND	2.0	ug/L							
Carbon tetrachloride	ND	0.50	ug/L							
Chlorobenzene	ND	0.50	ug/L							
Chloroform	ND	0.50	ug/L							
Chloromethane	ND	1.0	ug/L							
cis-1,2-Dichloroethene	ND	0.50	ug/L							
Dibromochloromethane	ND	0.50	ug/L							
Dichlorodifluoromethane	ND	0.50	ug/L							
Ethylbenzene	ND	0.50	ug/L							
m,p-Xylene	ND	1.0	ug/L							
Methylene chloride	ND	1.0	ug/L							
o-Xylene	ND	0.50	ug/L							
Tetrachloroethene	ND	0.50	ug/L							
Toluene	ND	0.50	ug/L							
trans-1,2-Dichloroethene	ND	0.50	ug/L							
Trichloroethene	ND	0.50	ug/L							
Trichlorofluoromethane	ND	0.50	ug/L							
Vinyl chloride	ND	0.50	ug/L							
Surrogate: 4-Bromofluorobenzene	*52.6*		*ug/L*	*50.00*		*105*	*70-130*			
Surrogate: Dibromofluoromethane	*46.5*		*ug/L*	*50.00*		*93*	*70-130*			
Surrogate: Toluene-d8	*44.6*		*ug/L*	*50.00*		*89*	*70-130*			
LCS (2508020-BS1)				Prepared & Analyzed: 08/04/2025						
1,1-Dichloroethene	42	0.50	ug/L	50.00		84	70-130			
Benzene	51	0.50	ug/L	50.00		102	70-130			
Chlorobenzene	41	0.50	ug/L	50.00		82	70-130			
Toluene	42	0.50	ug/L	50.00		84	70-130			
Trichloroethene	41	0.50	ug/L	50.00		82	70-130			
Surrogate: 4-Bromofluorobenzene	*53.7*		*ug/L*	*50.00*		*107*	*70-130*			
Surrogate: Dibromofluoromethane	*46.5*		*ug/L*	*50.00*		*93*	*70-130*			
Surrogate: Toluene-d8	*44.0*		*ug/L*	*50.00*		*88*	*70-130*			

Turner Laboratories, Inc.

Date: 08/18/2025

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0027
Date Received: 08/01/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2508020 - SW8260B										
LCS Dup (2508020-BSD1)				Prepared & Analyzed: 08/04/2025						
1,1-Dichloroethene	45	0.50	ug/L	50.00		90	70-130	7	30	
Benzene	53	0.50	ug/L	50.00		107	70-130	5	30	
Chlorobenzene	44	0.50	ug/L	50.00		89	70-130	8	30	
Toluene	46	0.50	ug/L	50.00		93	70-130	9	30	
Trichloroethene	45	0.50	ug/L	50.00		89	70-130	9	30	
Surrogate: 4-Bromofluorobenzene	*52.9*		*ug/L*	*50.00*		*106*	*70-130*			
Surrogate: Dibromofluoromethane	*46.7*		*ug/L*	*50.00*		*93*	*70-130*			
Surrogate: Toluene-d8	*45.1*		*ug/L*	*50.00*		*90*	*70-130*			
Matrix Spike (2508020-MS1)		**Source: 25G0753-03RE1**		Prepared: 08/04/2025 Analyzed: 08/05/2025						
1,1-Dichloroethene	220	2.5	ug/L	250.0	7.7	86	70-130			
Benzene	260	2.5	ug/L	250.0	ND	105	70-130			
Chlorobenzene	210	2.5	ug/L	250.0	ND	84	70-130			
Toluene	220	2.5	ug/L	250.0	ND	87	70-130			
Trichloroethene	260	2.5	ug/L	250.0	54	82	70-130			
Surrogate: 4-Bromofluorobenzene	*260*		*ug/L*	*250.0*		*104*	*70-130*			
Surrogate: Dibromofluoromethane	*253*		*ug/L*	*250.0*		*101*	*70-130*			
Surrogate: Toluene-d8	*222*		*ug/L*	*250.0*		*89*	*70-130*			
Matrix Spike (2508020-MS2)		**Source: 25H0028-05**		Prepared: 08/04/2025 Analyzed: 08/05/2025						
1,1-Dichloroethene	51	0.50	ug/L	50.00	ND	102	70-130			
Benzene	61	0.50	ug/L	50.00	ND	123	70-130			
Chlorobenzene	48	0.50	ug/L	50.00	ND	96	70-130			
Toluene	50	0.50	ug/L	50.00	ND	101	70-130			
Trichloroethene	49	0.50	ug/L	50.00	ND	97	70-130			
Surrogate: 4-Bromofluorobenzene	*53.9*		*ug/L*	*50.00*		*108*	*70-130*			
Surrogate: Dibromofluoromethane	*50.1*		*ug/L*	*50.00*		*100*	*70-130*			
Surrogate: Toluene-d8	*45.5*		*ug/L*	*50.00*		*91*	*70-130*			
Matrix Spike Dup (2508020-MSD1)		**Source: 25G0753-03RE1**		Prepared: 08/04/2025 Analyzed: 08/05/2025						
1,1-Dichloroethene	240	2.5	ug/L	250.0	7.7	93	70-130	7	30	E7
Benzene	280	2.5	ug/L	250.0	ND	113	70-130	7	30	E7
Chlorobenzene	220	2.5	ug/L	250.0	ND	87	70-130	3	30	E7
Toluene	220	2.5	ug/L	250.0	ND	90	70-130	3	30	E7
Trichloroethene	270	2.5	ug/L	250.0	54	87	70-130	4	30	E7
Surrogate: 4-Bromofluorobenzene	*262*		*ug/L*	*250.0*		*105*	*70-130*			*E7*
Surrogate: Dibromofluoromethane	*256*		*ug/L*	*250.0*		*103*	*70-130*			*E7*
Surrogate: Toluene-d8	*218*		*ug/L*	*250.0*		*87*	*70-130*			*E7*
Matrix Spike Dup (2508020-MSD2)		**Source: 25H0028-05**		Prepared: 08/04/2025 Analyzed: 08/05/2025						
1,1-Dichloroethene	44	0.50	ug/L	50.00	ND	89	70-130	14	30	
Benzene	52	0.50	ug/L	50.00	ND	104	70-130	16	30	
Chlorobenzene	43	0.50	ug/L	50.00	ND	86	70-130	11	30	
Toluene	45	0.50	ug/L	50.00	ND	90	70-130	11	30	
Trichloroethene	43	0.50	ug/L	50.00	ND	86	70-130	12	30	
Surrogate: 4-Bromofluorobenzene	*48.7*		*ug/L*	*50.00*		*97*	*70-130*			
Surrogate: Dibromofluoromethane	*46.4*		*ug/L*	*50.00*		*93*	*70-130*			
Surrogate: Toluene-d8	*42.5*		*ug/L*	*50.00*		*85*	*70-130*			

FTF-3

TURNER LABORATORIES INC.
2445 N. Coyote Drive, Suite 104
Tucson, Arizona 85745
(520) 882-5880
Fax: (520) 882-9788
www.turnerlabs.com

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

TURNER WORK ORDER # 254027 DATE _____ PAGE 1 OF 1

PROJECT NAME TIA Routine OP # 12619196.5.5.7

CONTACT NAME : Justin Berkompas

COMPANY NAME : GHD Services, Inc.

ADDRESS :333 E Wetmore Rd. Suite 100

CITY Tucson STATE AZ ZIP CODE 85705

PHONE 720-974-0964 FAX

SAMPLER'S SIGNATURE [signature]

CIRCLE ANALYSIS REQUESTED AND/OR CHECK THE APPROPRIATE BOX

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX*	NUMBER OF CONTAINERS	8260
GW-073125-EH-73	07/31/25	1125		GW	3	X
GW-073125-EH-TB	07/31/25	1125		GW	1	X

1. RELINQUISHED BY: [signature]
Signature
Elijah Hareid
Printed Name
GHD Services Inc.
Firm
08/01/25 1122
Date/Time

2. RECEIVED BY:
Signature
Printed Name
Firm
Date/Time

TURNAROUND REQUIREMENTS:
____ Standard (approx.10 days)*
____ Next day ____ 2 Day ____ 5 Day*
____ Email Preliminary Results To:
* Working Days

REPORT REQUIREMENTS:
____ I. Routine Report
____ II. Report (includes DUP,MS,MSD, as required, may be charged as samples)
____ III. Date Validation Report (Includes All Raw Data)
Add 10% to invoice

INVOICE INFORMATION:
Account ____ Y ____ N
P.O. # ____
Bill to: ____

SAMPLE RECEIPT: IR-45
Total Containers ____
Temperature 1.4
☒ Wet Ice ☐ Blue Ice

3. RELINQUISHED BY:
Signature
Printed Name
Firm
Date/Time

4. RECEIVED BY: [signature]
Signature [signature]
Printed Name
TURNER LABORATORIES, INC.
Firm
8/1/25 1128
Date/Time

*LEGEND
DW = DRINKING WATER
GW = GROUNDWATER
SD = SOLID
SG = SLUDGE
SL = SOIL
ST = STORMWATER
WW = WASTEWATER

SPECIAL INSTRUCTIONS/COMMENTS:

Compliance Analysis:	☐ Yes ☐ No	Custody Seals	☐	Preservation Confirmation	☒
ADEQ Forms:	☐ Yes ☐ No	Container Intact	☒	Appropriate Head Space	☒
Mail ADEQ Forms:	☐ Yes ☐ No	COC/Labels Agree	☒	Received Within Hold Time	☒

August 20, 2025

Justin Berkompas
GHD Services, Inc. - Tucson
6700 N. Oracle Rd. Suite 238
Tucson, AZ 85704

TEL (520) 203-0701
FAX

Work Order No.: 25H0198
Order Name: 12619196.5.5.7

RE: TIA Routine Op

Dear Justin Berkompas,

Turner Laboratories, Inc. received 4 sample(s) on 08/06/2025 for the analyses presented in the following report.

All results are intended to be considered in their entirety, and Turner Laboratories, Inc. is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Samples will be disposed of 30 days after issue of our report unless special arrangements are made.

The pages that follow may contain sensitive, privileged or confidential information intended solely for the addressee named above. If you receive this message and are not the agent or employee of the addressee, this communication has been sent in error. Please do not disseminate or copy any of the attached and notify the sender immediately by telephone. Please also return the attached sheet(s) to the sender by mail.

Please call if you have any questions.

Respectfully submitted,

Turner Laboratories, Inc.
ADHS License AZ0066

Elizabeth Kasik
Laboratory Director

Turner Laboratories, Inc.

Date: 08/20/2025

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0198
Date Received: 08/06/2025

Order: 12619196.5.5.7

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date/Time
25H0198-01	GW-080625-EH-82	Ground Water	08/06/2025 1215
25H0198-02	GW-080625-EH-TB	Ground Water	08/06/2025 1215
25H0198-03	GW-080625-EH-83	Ground Water	08/06/2025 1225
25H0198-04	GW-080625-EH-84	Ground Water	08/06/2025 1335

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0198
Date Received: 08/06/2025

Case Narrative

All soil, sludge, and solid matrix determinations are reported on a wet weight basis unless otherwise noted.

ND	Not Detected at or above the PQL
PQL	Practical Quantitation Limit
DF	Dilution Factor

Turner Laboratories, Inc.

Date: 08/20/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-080625-EH-82
Project:	TIA Routine Op	**Collection Date/Time:**	08/06/2025 1215
Work Order:	25H0198	**Matrix:**	Ground Water
Lab Sample ID:	25H0198-01	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1622	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/15/2025 1228	08/15/2025 1622	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1622	KP
1,1-Dichloroethene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1622	KP
1,2-Dichloroethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1622	KP
1,2-Dichloropropane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1622	KP
2-Butanone (MEK)	ND	10		ug/L	1	08/15/2025 1228	08/15/2025 1622	KP
Acetone	ND	10		ug/L	1	08/15/2025 1228	08/15/2025 1622	KP
Benzene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1622	KP
Bromodichloromethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1622	KP
Bromoform	ND	2.0		ug/L	1	08/15/2025 1228	08/15/2025 1622	KP
Carbon tetrachloride	18	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1622	KP
Chlorobenzene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1622	KP
Chloroform	1.0	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1622	KP
Chloromethane	ND	1.0		ug/L	1	08/15/2025 1228	08/15/2025 1622	KP
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1622	KP
Dibromochloromethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1622	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1622	KP
Ethylbenzene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1622	KP
m,p-Xylene	ND	1.0		ug/L	1	08/15/2025 1228	08/15/2025 1622	KP
Methylene chloride	ND	1.0		ug/L	1	08/15/2025 1228	08/15/2025 1622	KP
o-Xylene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1622	KP
Tetrachloroethene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1622	KP
Toluene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1622	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1622	KP
Trichloroethene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1622	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1622	KP
Vinyl chloride	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1622	KP
Surr: 4-Bromofluorobenzene	*90*	*70-130*		*%REC*	*1*	*08/15/2025 1228*	*08/15/2025 1622*	*KP*
Surr: Dibromofluoromethane	*90*	*70-130*		*%REC*	*1*	*08/15/2025 1228*	*08/15/2025 1622*	*KP*
Surr: Toluene-d8	*92*	*70-130*		*%REC*	*1*	*08/15/2025 1228*	*08/15/2025 1622*	*KP*

Turner Laboratories, Inc.

Date: 08/20/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-080625-EH-TB
Project:	TIA Routine Op	**Collection Date/Time:**	08/06/2025 1215
Work Order:	25H0198	**Matrix:**	Ground Water
Lab Sample ID:	25H0198-02	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1703	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/15/2025 1228	08/15/2025 1703	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1703	KP
1,1-Dichloroethene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1703	KP
1,2-Dichloroethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1703	KP
1,2-Dichloropropane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1703	KP
2-Butanone (MEK)	ND	10		ug/L	1	08/15/2025 1228	08/15/2025 1703	KP
Acetone	ND	10		ug/L	1	08/15/2025 1228	08/15/2025 1703	KP
Benzene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1703	KP
Bromodichloromethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1703	KP
Bromoform	ND	2.0		ug/L	1	08/15/2025 1228	08/15/2025 1703	KP
Carbon tetrachloride	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1703	KP
Chlorobenzene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1703	KP
Chloroform	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1703	KP
Chloromethane	ND	1.0		ug/L	1	08/15/2025 1228	08/15/2025 1703	KP
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1703	KP
Dibromochloromethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1703	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1703	KP
Ethylbenzene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1703	KP
m,p-Xylene	ND	1.0		ug/L	1	08/15/2025 1228	08/15/2025 1703	KP
Methylene chloride	ND	1.0		ug/L	1	08/15/2025 1228	08/15/2025 1703	KP
o-Xylene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1703	KP
Tetrachloroethene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1703	KP
Toluene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1703	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1703	KP
Trichloroethene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1703	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1703	KP
Vinyl chloride	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1703	KP
Surr: 4-Bromofluorobenzene	*87*	*70-130*		*%REC*	*1*	*08/15/2025 1228*	*08/15/2025 1703*	*KP*
Surr: Dibromofluoromethane	*90*	*70-130*		*%REC*	*1*	*08/15/2025 1228*	*08/15/2025 1703*	*KP*
Surr: Toluene-d8	*89*	*70-130*		*%REC*	*1*	*08/15/2025 1228*	*08/15/2025 1703*	*KP*

Turner Laboratories, Inc.

Date: 08/20/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-080625-EH-83
Project:	TIA Routine Op	**Collection Date/Time:**	08/06/2025 1225
Work Order:	25H0198	**Matrix:**	Ground Water
Lab Sample ID:	25H0198-03	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1742	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/15/2025 1228	08/15/2025 1742	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1742	KP
1,1-Dichloroethene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1742	KP
1,2-Dichloroethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1742	KP
1,2-Dichloropropane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1742	KP
2-Butanone (MEK)	ND	10		ug/L	1	08/15/2025 1228	08/15/2025 1742	KP
Acetone	ND	10		ug/L	1	08/15/2025 1228	08/15/2025 1742	KP
Benzene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1742	KP
Bromodichloromethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1742	KP
Bromoform	ND	2.0		ug/L	1	08/15/2025 1228	08/15/2025 1742	KP
Carbon tetrachloride	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1742	KP
Chlorobenzene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1742	KP
Chloroform	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1742	KP
Chloromethane	ND	1.0		ug/L	1	08/15/2025 1228	08/15/2025 1742	KP
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1742	KP
Dibromochloromethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1742	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1742	KP
Ethylbenzene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1742	KP
m,p-Xylene	ND	1.0		ug/L	1	08/15/2025 1228	08/15/2025 1742	KP
Methylene chloride	ND	1.0		ug/L	1	08/15/2025 1228	08/15/2025 1742	KP
o-Xylene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1742	KP
Tetrachloroethene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1742	KP
Toluene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1742	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1742	KP
Trichloroethene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1742	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1742	KP
Vinyl chloride	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1742	KP
Surr: 4-Bromofluorobenzene	*84*	*70-130*		*%REC*	*1*	*08/15/2025 1228*	*08/15/2025 1742*	*KP*
Surr: Dibromofluoromethane	*88*	*70-130*		*%REC*	*1*	*08/15/2025 1228*	*08/15/2025 1742*	*KP*
Surr: Toluene-d8	*86*	*70-130*		*%REC*	*1*	*08/15/2025 1228*	*08/15/2025 1742*	*KP*

Turner Laboratories, Inc.

Date: 08/20/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-080625-EH-84
Project:	TIA Routine Op	**Collection Date/Time:**	08/06/2025 1335
Work Order:	25H0198	**Matrix:**	Ground Water
Lab Sample ID:	25H0198-04	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1823	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/15/2025 1228	08/15/2025 1823	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1823	KP
1,1-Dichloroethene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1823	KP
1,2-Dichloroethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1823	KP
1,2-Dichloropropane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1823	KP
2-Butanone (MEK)	ND	10		ug/L	1	08/15/2025 1228	08/15/2025 1823	KP
Acetone	ND	10		ug/L	1	08/15/2025 1228	08/15/2025 1823	KP
Benzene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1823	KP
Bromodichloromethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1823	KP
Bromoform	ND	2.0		ug/L	1	08/15/2025 1228	08/15/2025 1823	KP
Carbon tetrachloride	2.0	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1823	KP
Chlorobenzene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1823	KP
Chloroform	0.56	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1823	KP
Chloromethane	ND	1.0		ug/L	1	08/15/2025 1228	08/15/2025 1823	KP
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1823	KP
Dibromochloromethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1823	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1823	KP
Ethylbenzene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1823	KP
m,p-Xylene	ND	1.0		ug/L	1	08/15/2025 1228	08/15/2025 1823	KP
Methylene chloride	ND	1.0		ug/L	1	08/15/2025 1228	08/15/2025 1823	KP
o-Xylene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1823	KP
Tetrachloroethene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1823	KP
Toluene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1823	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1823	KP
Trichloroethene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1823	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1823	KP
Vinyl chloride	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1823	KP
Surr: 4-Bromofluorobenzene	*86*	*70-130*		*%REC*	*1*	*08/15/2025 1228*	*08/15/2025 1823*	*KP*
Surr: Dibromofluoromethane	*87*	*70-130*		*%REC*	*1*	*08/15/2025 1228*	*08/15/2025 1823*	*KP*
Surr: Toluene-d8	*89*	*70-130*		*%REC*	*1*	*08/15/2025 1228*	*08/15/2025 1823*	*KP*

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0198
Date Received: 08/06/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2508165 - SW8260B										
Blank (2508165-BLK1)				Prepared & Analyzed: 08/15/2025						
1,1,1-Trichloroethane	ND	0.50	ug/L							
1,1,2-Trichlorotrifluoroethane	ND	5.0	ug/L							
1,1-Dichloroethane	ND	0.50	ug/L							
1,1-Dichloroethene	ND	0.50	ug/L							
1,2-Dichloroethane	ND	0.50	ug/L							
1,2-Dichloropropane	ND	0.50	ug/L							
2-Butanone (MEK)	ND	10	ug/L							
Acetone	ND	10	ug/L							
Benzene	ND	0.50	ug/L							
Bromodichloromethane	ND	0.50	ug/L							
Bromoform	ND	2.0	ug/L							
Carbon tetrachloride	ND	0.50	ug/L							
Chlorobenzene	ND	0.50	ug/L							
Chloroform	ND	0.50	ug/L							
Chloromethane	ND	1.0	ug/L							
cis-1,2-Dichloroethene	ND	0.50	ug/L							
Dibromochloromethane	ND	0.50	ug/L							
Dichlorodifluoromethane	ND	0.50	ug/L							
Ethylbenzene	ND	0.50	ug/L							
m,p-Xylene	ND	1.0	ug/L							
Methylene chloride	ND	1.0	ug/L							
o-Xylene	ND	0.50	ug/L							
Tetrachloroethene	ND	0.50	ug/L							
Toluene	ND	0.50	ug/L							
trans-1,2-Dichloroethene	ND	0.50	ug/L							
Trichloroethene	ND	0.50	ug/L							
Trichlorofluoromethane	ND	0.50	ug/L							
Vinyl chloride	ND	0.50	ug/L							
Surrogate: 4-Bromofluorobenzene	*22.3*		*ug/L*	*25.00*		*89*	*70-130*			
Surrogate: Dibromofluoromethane	*22.3*		*ug/L*	*25.00*		*89*	*70-130*			
Surrogate: Toluene-d8	*22.2*		*ug/L*	*25.00*		*89*	*70-130*			
LCS (2508165-BS1)				Prepared & Analyzed: 08/15/2025						
1,1-Dichloroethene	23		ug/L	25.00		93	70-130			
Benzene	22		ug/L	25.00		89	70-130			
Chlorobenzene	23		ug/L	25.00		93	70-130			
Toluene	23		ug/L	25.00		93	70-130			
Trichloroethene	22		ug/L	25.00		87	70-130			
Surrogate: 4-Bromofluorobenzene	*23.1*		*ug/L*	*25.00*		*92*	*70-130*			
Surrogate: Dibromofluoromethane	*21.1*		*ug/L*	*25.00*		*84*	*70-130*			
Surrogate: Toluene-d8	*22.3*		*ug/L*	*25.00*		*89*	*70-130*			

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0198
Date Received: 08/06/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2508165 - SW8260B										
LCS Dup (2508165-BSD1)				Prepared & Analyzed: 08/15/2025						
1,1-Dichloroethene	25		ug/L	25.00		99	70-130	6	30	
Benzene	25		ug/L	25.00		101	70-130	12	30	
Chlorobenzene	26		ug/L	25.00		103	70-130	9	30	
Toluene	26		ug/L	25.00		102	70-130	10	30	
Trichloroethene	25		ug/L	25.00		101	70-130	14	30	
Surrogate: 4-Bromofluorobenzene	*22.4*		*ug/L*	*25.00*		*89*	*70-130*			
Surrogate: Dibromofluoromethane	*22.0*		*ug/L*	*25.00*		*88*	*70-130*			
Surrogate: Toluene-d8	*22.5*		*ug/L*	*25.00*		*90*	*70-130*			
Matrix Spike (2508165-MS1)		**Source: 25H0198-01**		Prepared: 08/15/2025 Analyzed: 08/16/2025						
1,1-Dichloroethene	25		ug/L	25.00	0.010	100	70-130			
Benzene	26		ug/L	25.00	0.020	102	70-130			
Chlorobenzene	24		ug/L	25.00	0.010	97	70-130			
Toluene	24		ug/L	25.00	0.010	97	70-130			
Trichloroethene	25		ug/L	25.00	0.020	99	70-130			
Surrogate: 4-Bromofluorobenzene	*20.3*		*ug/L*	*25.00*		*81*	*70-130*			
Surrogate: Dibromofluoromethane	*21.4*		*ug/L*	*25.00*		*86*	*70-130*			
Surrogate: Toluene-d8	*20.4*		*ug/L*	*25.00*		*81*	*70-130*			
Matrix Spike Dup (2508165-MSD1)		**Source: 25H0198-01**		Prepared: 08/15/2025 Analyzed: 08/16/2025						
1,1-Dichloroethene	25		ug/L	25.00	0.010	100	70-130	0.08	30	
Benzene	26		ug/L	25.00	0.020	102	70-130	0.08	30	
Chlorobenzene	24		ug/L	25.00	0.010	98	70-130	0.08	30	
Toluene	24		ug/L	25.00	0.010	96	70-130	0.6	30	
Trichloroethene	25		ug/L	25.00	0.020	99	70-130	0.08	30	
Surrogate: 4-Bromofluorobenzene	*20.0*		*ug/L*	*25.00*		*80*	*70-130*			
Surrogate: Dibromofluoromethane	*21.5*		*ug/L*	*25.00*		*86*	*70-130*			
Surrogate: Toluene-d8	*20.5*		*ug/L*	*25.00*		*82*	*70-130*			

WER-3

TURNER LABORATORIES INC.
2445 N. Coyote Drive, Suite 104
Tucson, Arizona 85745
(520) 882-5880
Fax: (520) 882-9788
www.turnerlabs.com

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

TURNER WORK ORDER # 25H0198 DATE 8/6 PAGE 1 OF 1

PROJECT NAME TIA Routine OP # 12619196.5.5.7

CONTACT NAME : Justin Berkompas

COMPANY NAME : GHD Services, Inc.

ADDRESS :333 E Wetmore Rd. Suite 100

CITY Tucson STATE AZ ZIP CODE 85705

PHONE 720-974-0964 FAX

SAMPLER'S SIGNATURE

CIRCLE ANALYSIS REQUESTED AND/OR CHECK THE APPROPRIATE BOX

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX*	NUMBER OF CONTAINERS	8260
GW-080625-EH-82	08/06/25	1215		GW	3	X
GW-080625-EH-TB	08/06/25	1215		GW	1	↓
GW-080625-EH-83	08/06/25	1225		GW	3	↓
GW-080625-EH-84	08/06/25	1335		GW	↓	↓

1. RELINQUISHED BY:
Signature: Elijah Harold
Printed Name: Elijah Harold
Firm: GHD Services Inc.
Date/Time: 08/06/25 1449

2. RECEIVED BY:
Signature: [illegible]
Printed Name: [illegible]
Firm: [illegible]
Date/Time: 8/6/25 1449

3. RELINQUISHED BY:
Signature: [illegible]
Printed Name: [illegible]
Firm: [illegible]
Date/Time: 8/6/25 [illegible]

4. RECEIVED BY:
Signature: Kaitlyn Roberts
Printed Name: Kaitlyn Roberts
Firm: TURNER LABORATORIES, INC.
Date/Time: 8/6/25 1544

TURNAROUND REQUIREMENTS:
____ Standard (approx.10 days)*
____ Next day ____ 2 Day ____ 5 Day*
____ Email Preliminary Results To:
* Working Days

REPORT REQUIREMENTS:
____ I. Routine Report
____ II. Report (includes DUP,MS,MSD, as required, may be charged as samples)
____ III. Date Validation Report (Includes All Raw Data)
Add 10% to invoice

INVOICE INFORMATION:
Account ____ Y ____ N
P.O. # ____
Bill to: ____

SAMPLE RECEIPT:
IR-49
Total Containers 12
Temperature [illegible]
[X] Wet Ice [ ] Blue Ice

*LEGEND
DW = DRINKING WATER
GW = GROUNDWATER
SD = SOLID
SG = SLUDGE
SL = SOIL
ST = STORMWATER
WW = WASTEWATER

SPECIAL INSTRUCTIONS/COMMENTS:

Compliance Analysis:	[ ] Yes [ ] No	Custody Seals	[ ]	Preservation Confirmation	[X]
ADEQ Forms:	[ ] Yes [ ] No	Container Intact	[X]	Appropriate Head Space	[X]
Mail ADEQ Forms:	[ ] Yes [ ] No	COC/Labels Agree	[X]	Received Within Hold Time	[X]

August 20, 2025

Justin Berkompas
GHD Services, Inc. - Tucson
6700 N. Oracle Rd. Suite 238
Tucson, AZ 85704

TEL (520) 203-0701
FAX

Work Order No.: 25H0202
Order Name: 12619196.5.5.7

RE: TIA Routine Op

Dear Justin Berkompas,

Turner Laboratories, Inc. received 6 sample(s) on 08/06/2025 for the analyses presented in the following report.

All results are intended to be considered in their entirety, and Turner Laboratories, Inc. is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Samples will be disposed of 30 days after issue of our report unless special arrangements are made.

The pages that follow may contain sensitive, privileged or confidential information intended solely for the addressee named above. If you receive this message and are not the agent or employee of the addressee, this communication has been sent in error. Please do not disseminate or copy any of the attached and notify the sender immediately by telephone. Please also return the attached sheet(s) to the sender by mail.

Please call if you have any questions.

Respectfully submitted,

Turner Laboratories, Inc.
ADHS License AZ0066

Elizabeth Kasik
Laboratory Director

Turner Laboratories, Inc.

Date: 08/20/2025

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0202
Date Received: 08/06/2025

Order: 12619196.5.5.7

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date/Time
25H0202-01	GW-080425-EH-77	Ground Water	08/04/2025 1115
25H0202-02	GW-080425-EH-TB	Ground Water	08/04/2025 1115
25H0202-03	GW-080425-EH-78	Ground Water	08/04/2025 1117
25H0202-04	GW-080425-EH-79	Ground Water	08/04/2025 1545
25H0202-05	GW-080525-EH-80	Ground Water	08/05/2025 1425
25H0202-06	GW-080525-EH-81	Ground Water	08/05/2025 1427

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0202
Date Received: 08/06/2025

Case Narrative

N1 = The surrogate was inadvertently spiked with double the normal amount. The recoveries are within acceptance limits.

N1	See case narrative.

All soil, sludge, and solid matrix determinations are reported on a wet weight basis unless otherwise noted.

ND	Not Detected at or above the PQL
PQL	Practical Quantitation Limit
DF	Dilution Factor

Turner Laboratories, Inc.

Date: 08/20/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-080425-EH-77
Project:	TIA Routine Op	**Collection Date/Time:**	08/04/2025 1115
Work Order:	25H0202	**Matrix:**	Ground Water
Lab Sample ID:	25H0202-01	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1904	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/15/2025 1228	08/15/2025 1904	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1904	KP
1,1-Dichloroethene	1.6	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1904	KP
1,2-Dichloroethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1904	KP
1,2-Dichloropropane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1904	KP
2-Butanone (MEK)	ND	10		ug/L	1	08/15/2025 1228	08/15/2025 1904	KP
Acetone	ND	10		ug/L	1	08/15/2025 1228	08/15/2025 1904	KP
Benzene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1904	KP
Bromodichloromethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1904	KP
Bromoform	ND	2.0		ug/L	1	08/15/2025 1228	08/15/2025 1904	KP
Carbon tetrachloride	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1904	KP
Chlorobenzene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1904	KP
Chloroform	0.86	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1904	KP
Chloromethane	ND	1.0		ug/L	1	08/15/2025 1228	08/15/2025 1904	KP
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1904	KP
Dibromochloromethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1904	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1904	KP
Ethylbenzene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1904	KP
m,p-Xylene	ND	1.0		ug/L	1	08/15/2025 1228	08/15/2025 1904	KP
Methylene chloride	ND	1.0		ug/L	1	08/15/2025 1228	08/15/2025 1904	KP
o-Xylene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1904	KP
Tetrachloroethene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1904	KP
Toluene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1904	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1904	KP
Trichloroethene	32	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1904	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1904	KP
Vinyl chloride	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1904	KP
Surr: 4-Bromofluorobenzene	*182*	*70-130*	*N1*	*%REC*	*1*	*08/15/2025 1228*	*08/15/2025 1904*	*KP*
Surr: Dibromofluoromethane	*184*	*70-130*	*N1*	*%REC*	*1*	*08/15/2025 1228*	*08/15/2025 1904*	*KP*
Surr: Toluene-d8	*175*	*70-130*	*N1*	*%REC*	*1*	*08/15/2025 1228*	*08/15/2025 1904*	*KP*

Turner Laboratories, Inc.

Date: 08/20/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-080425-EH-TB
Project:	TIA Routine Op	**Collection Date/Time:**	08/04/2025 1115
Work Order:	25H0202	**Matrix:**	Ground Water
Lab Sample ID:	25H0202-02	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1944	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/15/2025 1228	08/15/2025 1944	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1944	KP
1,1-Dichloroethene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1944	KP
1,2-Dichloroethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1944	KP
1,2-Dichloropropane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1944	KP
2-Butanone (MEK)	ND	10		ug/L	1	08/15/2025 1228	08/15/2025 1944	KP
Acetone	ND	10		ug/L	1	08/15/2025 1228	08/15/2025 1944	KP
Benzene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1944	KP
Bromodichloromethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1944	KP
Bromoform	ND	2.0		ug/L	1	08/15/2025 1228	08/15/2025 1944	KP
Carbon tetrachloride	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1944	KP
Chlorobenzene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1944	KP
Chloroform	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1944	KP
Chloromethane	ND	1.0		ug/L	1	08/15/2025 1228	08/15/2025 1944	KP
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1944	KP
Dibromochloromethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1944	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1944	KP
Ethylbenzene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1944	KP
m,p-Xylene	ND	1.0		ug/L	1	08/15/2025 1228	08/15/2025 1944	KP
Methylene chloride	ND	1.0		ug/L	1	08/15/2025 1228	08/15/2025 1944	KP
o-Xylene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1944	KP
Tetrachloroethene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1944	KP
Toluene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1944	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1944	KP
Trichloroethene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1944	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1944	KP
Vinyl chloride	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 1944	KP
Surr: 4-Bromofluorobenzene	*84*	*70-130*		*%REC*	*1*	*08/15/2025 1228*	*08/15/2025 1944*	*KP*
Surr: Dibromofluoromethane	*88*	*70-130*		*%REC*	*1*	*08/15/2025 1228*	*08/15/2025 1944*	*KP*
Surr: Toluene-d8	*85*	*70-130*		*%REC*	*1*	*08/15/2025 1228*	*08/15/2025 1944*	*KP*

Turner Laboratories, Inc.

Date: 08/20/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-080425-EH-78
Project:	TIA Routine Op	**Collection Date/Time:**	08/04/2025 1117
Work Order:	25H0202	**Matrix:**	Ground Water
Lab Sample ID:	25H0202-03	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2025	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/15/2025 1228	08/15/2025 2025	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2025	KP
1,1-Dichloroethene	1.6	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2025	KP
1,2-Dichloroethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2025	KP
1,2-Dichloropropane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2025	KP
2-Butanone (MEK)	ND	10		ug/L	1	08/15/2025 1228	08/15/2025 2025	KP
Acetone	ND	10		ug/L	1	08/15/2025 1228	08/15/2025 2025	KP
Benzene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2025	KP
Bromodichloromethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2025	KP
Bromoform	ND	2.0		ug/L	1	08/15/2025 1228	08/15/2025 2025	KP
Carbon tetrachloride	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2025	KP
Chlorobenzene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2025	KP
Chloroform	0.83	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2025	KP
Chloromethane	ND	1.0		ug/L	1	08/15/2025 1228	08/15/2025 2025	KP
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2025	KP
Dibromochloromethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2025	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2025	KP
Ethylbenzene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2025	KP
m,p-Xylene	ND	1.0		ug/L	1	08/15/2025 1228	08/15/2025 2025	KP
Methylene chloride	ND	1.0		ug/L	1	08/15/2025 1228	08/15/2025 2025	KP
o-Xylene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2025	KP
Tetrachloroethene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2025	KP
Toluene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2025	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2025	KP
Trichloroethene	32	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2025	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2025	KP
Vinyl chloride	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2025	KP
Surr: 4-Bromofluorobenzene	*83*	*70-130*		*%REC*	*1*	*08/15/2025 1228*	*08/15/2025 2025*	*KP*
Surr: Dibromofluoromethane	*84*	*70-130*		*%REC*	*1*	*08/15/2025 1228*	*08/15/2025 2025*	*KP*
Surr: Toluene-d8	*83*	*70-130*		*%REC*	*1*	*08/15/2025 1228*	*08/15/2025 2025*	*KP*

Turner Laboratories, Inc.

Date: 08/20/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-080425-EH-79
Project:	TIA Routine Op	**Collection Date/Time:**	08/04/2025 1545
Work Order:	25H0202	**Matrix:**	Ground Water
Lab Sample ID:	25H0202-04	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2105	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/15/2025 1228	08/15/2025 2105	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2105	KP
1,1-Dichloroethene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2105	KP
1,2-Dichloroethane	0.81	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2105	KP
1,2-Dichloropropane	1.7	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2105	KP
2-Butanone (MEK)	ND	10		ug/L	1	08/15/2025 1228	08/15/2025 2105	KP
Acetone	ND	10		ug/L	1	08/15/2025 1228	08/15/2025 2105	KP
Benzene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2105	KP
Bromodichloromethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2105	KP
Bromoform	ND	2.0		ug/L	1	08/15/2025 1228	08/15/2025 2105	KP
Carbon tetrachloride	0.72	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2105	KP
Chlorobenzene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2105	KP
Chloroform	6.3	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2105	KP
Chloromethane	ND	1.0		ug/L	1	08/15/2025 1228	08/15/2025 2105	KP
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2105	KP
Dibromochloromethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2105	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2105	KP
Ethylbenzene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2105	KP
m,p-Xylene	ND	1.0		ug/L	1	08/15/2025 1228	08/15/2025 2105	KP
Methylene chloride	ND	1.0		ug/L	1	08/15/2025 1228	08/15/2025 2105	KP
o-Xylene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2105	KP
Tetrachloroethene	0.64	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2105	KP
Toluene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2105	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2105	KP
Trichloroethene	24	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2105	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2105	KP
Vinyl chloride	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2105	KP
Surr: 4-Bromofluorobenzene	*82*	*70-130*		*%REC*	*1*	*08/15/2025 1228*	*08/15/2025 2105*	*KP*
Surr: Dibromofluoromethane	*88*	*70-130*		*%REC*	*1*	*08/15/2025 1228*	*08/15/2025 2105*	*KP*
Surr: Toluene-d8	*84*	*70-130*		*%REC*	*1*	*08/15/2025 1228*	*08/15/2025 2105*	*KP*

Turner Laboratories, Inc.

Date: 08/20/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-080525-EH-80
Project:	TIA Routine Op	**Collection Date/Time:**	08/05/2025 1425
Work Order:	25H0202	**Matrix:**	Ground Water
Lab Sample ID:	25H0202-05	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2146	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/15/2025 1228	08/15/2025 2146	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2146	KP
1,1-Dichloroethene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2146	KP
1,2-Dichloroethane	0.53	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2146	KP
1,2-Dichloropropane	1.1	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2146	KP
2-Butanone (MEK)	ND	10		ug/L	1	08/15/2025 1228	08/15/2025 2146	KP
Acetone	ND	10		ug/L	1	08/15/2025 1228	08/15/2025 2146	KP
Benzene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2146	KP
Bromodichloromethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2146	KP
Bromoform	ND	2.0		ug/L	1	08/15/2025 1228	08/15/2025 2146	KP
Carbon tetrachloride	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2146	KP
Chlorobenzene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2146	KP
Chloroform	4.3	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2146	KP
Chloromethane	ND	1.0		ug/L	1	08/15/2025 1228	08/15/2025 2146	KP
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2146	KP
Dibromochloromethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2146	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2146	KP
Ethylbenzene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2146	KP
m,p-Xylene	ND	1.0		ug/L	1	08/15/2025 1228	08/15/2025 2146	KP
Methylene chloride	ND	1.0		ug/L	1	08/15/2025 1228	08/15/2025 2146	KP
o-Xylene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2146	KP
Tetrachloroethene	1.2	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2146	KP
Toluene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2146	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2146	KP
Trichloroethene	18	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2146	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2146	KP
Vinyl chloride	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2146	KP
Surr: 4-Bromofluorobenzene	*83*	*70-130*		*%REC*	*1*	*08/15/2025 1228*	*08/15/2025 2146*	*KP*
Surr: Dibromofluoromethane	*86*	*70-130*		*%REC*	*1*	*08/15/2025 1228*	*08/15/2025 2146*	*KP*
Surr: Toluene-d8	*84*	*70-130*		*%REC*	*1*	*08/15/2025 1228*	*08/15/2025 2146*	*KP*

Turner Laboratories, Inc.

Date: 08/20/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-080525-EH-81
Project:	TIA Routine Op	**Collection Date/Time:**	08/05/2025 1427
Work Order:	25H0202	**Matrix:**	Ground Water
Lab Sample ID:	25H0202-06	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2226	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/15/2025 1228	08/15/2025 2226	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2226	KP
1,1-Dichloroethene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2226	KP
1,2-Dichloroethane	0.53	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2226	KP
1,2-Dichloropropane	1.1	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2226	KP
2-Butanone (MEK)	ND	10		ug/L	1	08/15/2025 1228	08/15/2025 2226	KP
Acetone	ND	10		ug/L	1	08/15/2025 1228	08/15/2025 2226	KP
Benzene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2226	KP
Bromodichloromethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2226	KP
Bromoform	ND	2.0		ug/L	1	08/15/2025 1228	08/15/2025 2226	KP
Carbon tetrachloride	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2226	KP
Chlorobenzene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2226	KP
Chloroform	4.5	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2226	KP
Chloromethane	ND	1.0		ug/L	1	08/15/2025 1228	08/15/2025 2226	KP
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2226	KP
Dibromochloromethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2226	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2226	KP
Ethylbenzene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2226	KP
m,p-Xylene	ND	1.0		ug/L	1	08/15/2025 1228	08/15/2025 2226	KP
Methylene chloride	ND	1.0		ug/L	1	08/15/2025 1228	08/15/2025 2226	KP
o-Xylene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2226	KP
Tetrachloroethene	1.3	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2226	KP
Toluene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2226	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2226	KP
Trichloroethene	18	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2226	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2226	KP
Vinyl chloride	ND	0.50		ug/L	1	08/15/2025 1228	08/15/2025 2226	KP
Surr: 4-Bromofluorobenzene	*82*	*70-130*		*%REC*	*1*	*08/15/2025 1228*	*08/15/2025 2226*	*KP*
Surr: Dibromofluoromethane	*88*	*70-130*		*%REC*	*1*	*08/15/2025 1228*	*08/15/2025 2226*	*KP*
Surr: Toluene-d8	*83*	*70-130*		*%REC*	*1*	*08/15/2025 1228*	*08/15/2025 2226*	*KP*

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0202
Date Received: 08/06/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2508165 - SW8260B										
Blank (2508165-BLK1)				Prepared & Analyzed: 08/15/2025						
1,1,1-Trichloroethane	ND	0.50	ug/L							
1,1,2-Trichlorotrifluoroethane	ND	5.0	ug/L							
1,1-Dichloroethane	ND	0.50	ug/L							
1,1-Dichloroethene	ND	0.50	ug/L							
1,2-Dichloroethane	ND	0.50	ug/L							
1,2-Dichloropropane	ND	0.50	ug/L							
2-Butanone (MEK)	ND	10	ug/L							
Acetone	ND	10	ug/L							
Benzene	ND	0.50	ug/L							
Bromodichloromethane	ND	0.50	ug/L							
Bromoform	ND	2.0	ug/L							
Carbon tetrachloride	ND	0.50	ug/L							
Chlorobenzene	ND	0.50	ug/L							
Chloroform	ND	0.50	ug/L							
Chloromethane	ND	1.0	ug/L							
cis-1,2-Dichloroethene	ND	0.50	ug/L							
Dibromochloromethane	ND	0.50	ug/L							
Dichlorodifluoromethane	ND	0.50	ug/L							
Ethylbenzene	ND	0.50	ug/L							
m,p-Xylene	ND	1.0	ug/L							
Methylene chloride	ND	1.0	ug/L							
o-Xylene	ND	0.50	ug/L							
Tetrachloroethene	ND	0.50	ug/L							
Toluene	ND	0.50	ug/L							
trans-1,2-Dichloroethene	ND	0.50	ug/L							
Trichloroethene	ND	0.50	ug/L							
Trichlorofluoromethane	ND	0.50	ug/L							
Vinyl chloride	ND	0.50	ug/L							
Surrogate: 4-Bromofluorobenzene	*22.3*		*ug/L*	*25.00*		*89*	*70-130*			
Surrogate: Dibromofluoromethane	*22.3*		*ug/L*	*25.00*		*89*	*70-130*			
Surrogate: Toluene-d8	*22.2*		*ug/L*	*25.00*		*89*	*70-130*			
LCS (2508165-BS1)				Prepared & Analyzed: 08/15/2025						
1,1-Dichloroethene	23		ug/L	25.00		93	70-130			
Benzene	22		ug/L	25.00		89	70-130			
Chlorobenzene	23		ug/L	25.00		93	70-130			
Toluene	23		ug/L	25.00		93	70-130			
Trichloroethene	22		ug/L	25.00		87	70-130			
Surrogate: 4-Bromofluorobenzene	*23.1*		*ug/L*	*25.00*		*92*	*70-130*			
Surrogate: Dibromofluoromethane	*21.1*		*ug/L*	*25.00*		*84*	*70-130*			
Surrogate: Toluene-d8	*22.3*		*ug/L*	*25.00*		*89*	*70-130*			

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0202
Date Received: 08/06/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2508165 - SW8260B										
LCS Dup (2508165-BSD1)				Prepared & Analyzed: 08/15/2025						
1,1-Dichloroethene	25		ug/L	25.00		99	70-130	6	30	
Benzene	25		ug/L	25.00		101	70-130	12	30	
Chlorobenzene	26		ug/L	25.00		103	70-130	9	30	
Toluene	26		ug/L	25.00		102	70-130	10	30	
Trichloroethene	25		ug/L	25.00		101	70-130	14	30	
Surrogate: 4-Bromofluorobenzene	*22.4*		*ug/L*	*25.00*		*89*	*70-130*			
Surrogate: Dibromofluoromethane	*22.0*		*ug/L*	*25.00*		*88*	*70-130*			
Surrogate: Toluene-d8	*22.5*		*ug/L*	*25.00*		*90*	*70-130*			
Matrix Spike (2508165-MS1)		**Source: 25H0198-01**		Prepared: 08/15/2025 Analyzed: 08/16/2025						
1,1-Dichloroethene	25		ug/L	25.00	0.010	100	70-130			
Benzene	26		ug/L	25.00	0.020	102	70-130			
Chlorobenzene	24		ug/L	25.00	0.010	97	70-130			
Toluene	24		ug/L	25.00	0.010	97	70-130			
Trichloroethene	25		ug/L	25.00	0.020	99	70-130			
Surrogate: 4-Bromofluorobenzene	*20.3*		*ug/L*	*25.00*		*81*	*70-130*			
Surrogate: Dibromofluoromethane	*21.4*		*ug/L*	*25.00*		*86*	*70-130*			
Surrogate: Toluene-d8	*20.4*		*ug/L*	*25.00*		*81*	*70-130*			
Matrix Spike Dup (2508165-MSD1)		**Source: 25H0198-01**		Prepared: 08/15/2025 Analyzed: 08/16/2025						
1,1-Dichloroethene	25		ug/L	25.00	0.010	100	70-130	0.08	30	
Benzene	26		ug/L	25.00	0.020	102	70-130	0.08	30	
Chlorobenzene	24		ug/L	25.00	0.010	98	70-130	0.08	30	
Toluene	24		ug/L	25.00	0.010	96	70-130	0.6	30	
Trichloroethene	25		ug/L	25.00	0.020	99	70-130	0.08	30	
Surrogate: 4-Bromofluorobenzene	*20.0*		*ug/L*	*25.00*		*80*	*70-130*			
Surrogate: Dibromofluoromethane	*21.5*		*ug/L*	*25.00*		*86*	*70-130*			
Surrogate: Toluene-d8	*20.5*		*ug/L*	*25.00*		*82*	*70-130*			

TURNER LABORATORIES INC.
2445 N. Coyote Drive, Suite 104
Tucson, Arizona 85745
(520) 882-5880
Fax: (520) 882-9788
www.turnerlabs.com

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

TURNER WORK ORDER # 25H0202 DATE 8/6/25 PAGE 1 OF 1

PROJECT NAME TIA Routine OP # 12619196.5.5.7
CONTACT NAME : Justin Berkompas
COMPANY NAME : GHD Services, Inc.
ADDRESS :333 E Wetmore Rd. Suite 100
CITY Tucson STATE AZ ZIP CODE 85705
PHONE 720-974-0964 FAX
SAMPLER'S SIGNATURE

CIRCLE ANALYSIS REQUESTED AND/OR CHECK THE APPROPRIATE BOX

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX*	NUMBER OF CONTAINERS	8260	Anticipate High Result
GW-080425-EH-77	08/04/25	1115		GW	3	X	X
GW-080425-EH-TB	08/04/25	1115		GW	1		
GW-080425-EH-78	08/04/25	1117		GW	3		X
GW-080425-EH-79	08/04/25	1545		GW			
GW-080525-EH-80	08/05/25	1425		GW			
GW-080525-EH-81	08/05/25	1427		GW			

1. RELINQUISHED BY:
Signature
Elijah Hareid
Printed Name
GHD Services Inc.
Firm
08/06/25 1449
Date/Time

2. RECEIVED BY:
Signature
Robert Rivas
Printed Name
Firm
8/6/25 1449
Date/Time

TURNAROUND REQUIREMENTS:
_____ Standard (approx.10 days)*
____ Next day ____ 2 Day ____ 5 Day*
____ Email Preliminary Results To:
* Working Days

REPORT REQUIREMENTS:
____ I. Routine Report
____ II. Report (includes DUP,MS,MSD, as required, may be charged as samples)
____ III. Date Validation Report (includes All Raw Data)
Add 10% to invoice

INVOICE INFORMATION:
Account ____ Y ____ N
P.O. # ____
Bill to: ____

SAMPLE RECEIPT: IR-49
Total Containers 17
Temperature 4.4
☒ Wet Ice ☐ Blue Ice

3. RELINQUISHED BY:
Signature
Justin Berkompas
Printed Name
Turner Labs
Firm
8/6/25 1541
Date/Time

4. RECEIVED BY:
Signature
Kathy Roberts
Printed Name
TURNER LABORATORIES, INC.
Firm
8/6/25 1541
Date/Time

*LEGEND
DW = DRINKING WATER
GW = GROUNDWATER
SD = SOLID
SG = SLUDGE
SL = SOIL
ST = STORMWATER
WW = WASTEWATER

SPECIAL INSTRUCTIONS/COMMENTS:

Compliance Analysis:	☐ Yes	☐ No	Custody Seals	☐	Preservation Confirmation	☒
ADEQ Forms:	☐ Yes	☐ No	Container Intact	☒	Appropriate Head Space	☒
Mail ADEQ Forms:	☐ Yes	☐ No	COC/Labels Agree	☒	Received Within Hold Time	☒

August 22, 2025

Justin Berkompas
GHD Services, Inc. - Tucson
6700 N. Oracle Rd. Suite 238
Tucson, AZ 85704

TEL (520) 203-0701
FAX

Work Order No.: 25H0028
Order Name: 12619196.5.5.7

RE: TIA Routine Op

Dear Justin Berkompas,

Turner Laboratories, Inc. received 5 sample(s) on 08/01/2025 for the analyses presented in the following report.

All results are intended to be considered in their entirety, and Turner Laboratories, Inc. is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Samples will be disposed of 30 days after issue of our report unless special arrangements are made.

The pages that follow may contain sensitive, privileged or confidential information intended solely for the addressee named above. If you receive this message and are not the agent or employee of the addressee, this communication has been sent in error. Please do not disseminate or copy any of the attached and notify the sender immediately by telephone. Please also return the attached sheet(s) to the sender by mail.

Please call if you have any questions.

Respectfully submitted,

Turner Laboratories, Inc.
ADHS License AZ0066

Elizabeth Kasik
Laboratory Director

Turner Laboratories, Inc.

Date: 08/22/2025

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0028
Date Received: 08/01/2025

Order: 12619196.5.5.7

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date/Time
25H0028-01	GW-072925-EH-69	Ground Water	07/29/2025 1405
25H0028-02	GW-072925-EH-TB	Trip Blank	07/29/2025 1405
25H0028-03	GW-072925-EH-70	Ground Water	07/29/2025 1415
25H0028-04	GW-073025-EH-71	Ground Water	07/30/2025 1515
25H0028-05	GW-073125-EH-72	Ground Water	07/31/2025 0925

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0028
Date Received: 08/01/2025

Case Narrative

E	Value is above quantitation range.
E7	Concentration estimated. Internal standard recoveries did not meet laboratory acceptance criteria.
H2	Initial analysis was performed within holding time. Reanalysis for the required dilution was past holding time.

All soil, sludge, and solid matrix determinations are reported on a wet weight basis unless otherwise noted.

ND	Not Detected at or above the PQL
PQL	Practical Quantitation Limit
DF	Dilution Factor

Turner Laboratories, Inc.

Date: 08/22/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-072925-EH-69
Project:	TIA Routine Op	**Collection Date/Time:**	07/29/2025 1405
Work Order:	25H0028	**Matrix:**	Ground Water
Lab Sample ID:	25H0028-01	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0019	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/04/2025 0800	08/05/2025 0019	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0019	PB
1,1-Dichloroethene	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0019	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0019	PB
1,2-Dichloropropane	2.1	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0019	PB
2-Butanone (MEK)	ND	10		ug/L	1	08/04/2025 0800	08/05/2025 0019	PB
Acetone	ND	10		ug/L	1	08/04/2025 0800	08/05/2025 0019	PB
Benzene	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0019	PB
Bromodichloromethane	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0019	PB
Bromoform	ND	2.0		ug/L	1	08/04/2025 0800	08/05/2025 0019	PB
Carbon tetrachloride	1.5	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0019	PB
Chlorobenzene	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0019	PB
Chloroform	7.5	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0019	PB
Chloromethane	ND	1.0		ug/L	1	08/04/2025 0800	08/05/2025 0019	PB
cis-1,2-Dichloroethene	0.81	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0019	PB
Dibromochloromethane	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0019	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0019	PB
Ethylbenzene	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0019	PB
m,p-Xylene	ND	1.0		ug/L	1	08/04/2025 0800	08/05/2025 0019	PB
Methylene chloride	ND	1.0		ug/L	1	08/04/2025 0800	08/05/2025 0019	PB
o-Xylene	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0019	PB
Tetrachloroethene	0.67	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0019	PB
Toluene	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0019	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0019	PB
Trichloroethene	2300	0.50	E	ug/L	1	08/04/2025 0800	08/05/2025 0019	PB
Trichloroethene	2000	25	H2	ug/L	50	08/04/2025 0800	08/21/2025 1029	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0019	PB
Vinyl chloride	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0019	PB
Surr: 4-Bromofluorobenzene	*110*	*70-130*		*%REC*	*1*	*08/04/2025 0800*	*08/21/2025 1029*	*PB*
Surr: 4-Bromofluorobenzene	*96*	*70-130*		*%REC*	*1*	*08/04/2025 0800*	*08/05/2025 019*	*PB*
Surr: Dibromofluoromethane	*91*	*70-130*		*%REC*	*1*	*08/04/2025 0800*	*08/05/2025 019*	*PB*
Surr: Dibromofluoromethane	*95*	*70-130*		*%REC*	*1*	*08/04/2025 0800*	*08/21/2025 1029*	*PB*
Surr: Toluene-d8	*105*	*70-130*		*%REC*	*1*	*08/04/2025 0800*	*08/21/2025 1029*	*PB*
Surr: Toluene-d8	*83*	*70-130*		*%REC*	*1*	*08/04/2025 0800*	*08/05/2025 019*	*PB*

Turner Laboratories, Inc.

Date: 08/22/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-072925-EH-TB
Project:	TIA Routine Op	**Collection Date/Time:**	07/29/2025 1405
Work Order:	25H0028	**Matrix:**	Trip Blank
Lab Sample ID:	25H0028-02	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1513	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/04/2025 0800	08/04/2025 1513	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1513	PB
1,1-Dichloroethene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1513	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1513	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1513	PB
2-Butanone (MEK)	ND	10		ug/L	1	08/04/2025 0800	08/04/2025 1513	PB
Acetone	ND	10		ug/L	1	08/04/2025 0800	08/04/2025 1513	PB
Benzene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1513	PB
Bromodichloromethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1513	PB
Bromoform	ND	2.0		ug/L	1	08/04/2025 0800	08/04/2025 1513	PB
Carbon tetrachloride	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1513	PB
Chlorobenzene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1513	PB
Chloroform	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1513	PB
Chloromethane	ND	1.0		ug/L	1	08/04/2025 0800	08/04/2025 1513	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1513	PB
Dibromochloromethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1513	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1513	PB
Ethylbenzene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1513	PB
m,p-Xylene	ND	1.0		ug/L	1	08/04/2025 0800	08/04/2025 1513	PB
Methylene chloride	ND	1.0		ug/L	1	08/04/2025 0800	08/04/2025 1513	PB
o-Xylene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1513	PB
Tetrachloroethene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1513	PB
Toluene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1513	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1513	PB
Trichloroethene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1513	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1513	PB
Vinyl chloride	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1513	PB
Surr: 4-Bromofluorobenzene	*106*	*70-130*		*%REC*	*1*	*08/04/2025 0800*	*08/04/2025 1513*	*PB*
Surr: Dibromofluoromethane	*94*	*70-130*		*%REC*	*1*	*08/04/2025 0800*	*08/04/2025 1513*	*PB*
Surr: Toluene-d8	*90*	*70-130*		*%REC*	*1*	*08/04/2025 0800*	*08/04/2025 1513*	*PB*

Turner Laboratories, Inc.

Date: 08/22/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-072925-EH-70
Project:	TIA Routine Op	**Collection Date/Time:**	07/29/2025 1415
Work Order:	25H0028	**Matrix:**	Ground Water
Lab Sample ID:	25H0028-03	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0054	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/04/2025 0800	08/05/2025 0054	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0054	PB
1,1-Dichloroethene	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0054	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0054	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0054	PB
2-Butanone (MEK)	ND	10		ug/L	1	08/04/2025 0800	08/05/2025 0054	PB
Acetone	ND	10		ug/L	1	08/04/2025 0800	08/05/2025 0054	PB
Benzene	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0054	PB
Bromodichloromethane	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0054	PB
Bromoform	ND	2.0		ug/L	1	08/04/2025 0800	08/05/2025 0054	PB
Carbon tetrachloride	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0054	PB
Chlorobenzene	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0054	PB
Chloroform	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0054	PB
Chloromethane	ND	1.0		ug/L	1	08/04/2025 0800	08/05/2025 0054	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0054	PB
Dibromochloromethane	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0054	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0054	PB
Ethylbenzene	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0054	PB
m,p-Xylene	ND	1.0		ug/L	1	08/04/2025 0800	08/05/2025 0054	PB
Methylene chloride	ND	1.0		ug/L	1	08/04/2025 0800	08/05/2025 0054	PB
o-Xylene	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0054	PB
Tetrachloroethene	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0054	PB
Toluene	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0054	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0054	PB
Trichloroethene	8.1	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0054	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0054	PB
Vinyl chloride	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0054	PB
Surr: 4-Bromofluorobenzene	*95*	*70-130*		*%REC*	*1*	*08/04/2025 0800*	*08/05/2025 054*	*PB*
Surr: Dibromofluoromethane	*88*	*70-130*		*%REC*	*1*	*08/04/2025 0800*	*08/05/2025 054*	*PB*
Surr: Toluene-d8	*85*	*70-130*		*%REC*	*1*	*08/04/2025 0800*	*08/05/2025 054*	*PB*

Turner Laboratories, Inc.

Date: 08/22/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-073025-EH-71
Project:	TIA Routine Op	**Collection Date/Time:**	07/30/2025 1515
Work Order:	25H0028	**Matrix:**	Ground Water
Lab Sample ID:	25H0028-04	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0129	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/04/2025 0800	08/05/2025 0129	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0129	PB
1,1-Dichloroethene	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0129	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0129	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0129	PB
2-Butanone (MEK)	ND	10		ug/L	1	08/04/2025 0800	08/05/2025 0129	PB
Acetone	ND	10		ug/L	1	08/04/2025 0800	08/05/2025 0129	PB
Benzene	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0129	PB
Bromodichloromethane	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0129	PB
Bromoform	ND	2.0		ug/L	1	08/04/2025 0800	08/05/2025 0129	PB
Carbon tetrachloride	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0129	PB
Chlorobenzene	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0129	PB
Chloroform	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0129	PB
Chloromethane	ND	1.0		ug/L	1	08/04/2025 0800	08/05/2025 0129	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0129	PB
Dibromochloromethane	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0129	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0129	PB
Ethylbenzene	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0129	PB
m,p-Xylene	ND	1.0		ug/L	1	08/04/2025 0800	08/05/2025 0129	PB
Methylene chloride	ND	1.0		ug/L	1	08/04/2025 0800	08/05/2025 0129	PB
o-Xylene	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0129	PB
Tetrachloroethene	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0129	PB
Toluene	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0129	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0129	PB
Trichloroethene	5.7	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0129	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0129	PB
Vinyl chloride	ND	0.50		ug/L	1	08/04/2025 0800	08/05/2025 0129	PB
Surr: 4-Bromofluorobenzene	*95*	*70-130*		*%REC*	*1*	*08/04/2025 0800*	*08/05/2025 129*	*PB*
Surr: Dibromofluoromethane	*87*	*70-130*		*%REC*	*1*	*08/04/2025 0800*	*08/05/2025 129*	*PB*
Surr: Toluene-d8	*84*	*70-130*		*%REC*	*1*	*08/04/2025 0800*	*08/05/2025 129*	*PB*

Turner Laboratories, Inc.

Date: 08/22/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-073125-EH-72
Project:	TIA Routine Op	**Collection Date/Time:**	07/31/2025 0925
Work Order:	25H0028	**Matrix:**	Ground Water
Lab Sample ID:	25H0028-05	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1550	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/04/2025 0800	08/04/2025 1550	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1550	PB
1,1-Dichloroethene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1550	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1550	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1550	PB
2-Butanone (MEK)	ND	10		ug/L	1	08/04/2025 0800	08/04/2025 1550	PB
Acetone	ND	10		ug/L	1	08/04/2025 0800	08/04/2025 1550	PB
Benzene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1550	PB
Bromodichloromethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1550	PB
Bromoform	ND	2.0		ug/L	1	08/04/2025 0800	08/04/2025 1550	PB
Carbon tetrachloride	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1550	PB
Chlorobenzene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1550	PB
Chloroform	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1550	PB
Chloromethane	ND	1.0		ug/L	1	08/04/2025 0800	08/04/2025 1550	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1550	PB
Dibromochloromethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1550	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1550	PB
Ethylbenzene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1550	PB
m,p-Xylene	ND	1.0		ug/L	1	08/04/2025 0800	08/04/2025 1550	PB
Methylene chloride	ND	1.0		ug/L	1	08/04/2025 0800	08/04/2025 1550	PB
o-Xylene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1550	PB
Tetrachloroethene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1550	PB
Toluene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1550	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1550	PB
Trichloroethene	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1550	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1550	PB
Vinyl chloride	ND	0.50		ug/L	1	08/04/2025 0800	08/04/2025 1550	PB
Surr: 4-Bromofluorobenzene	*100*	*70-130*		*%REC*	*1*	*08/04/2025 0800*	*08/04/2025 1550*	*PB*
Surr: Dibromofluoromethane	*91*	*70-130*		*%REC*	*1*	*08/04/2025 0800*	*08/04/2025 1550*	*PB*
Surr: Toluene-d8	*84*	*70-130*		*%REC*	*1*	*08/04/2025 0800*	*08/04/2025 1550*	*PB*

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0028
Date Received: 08/01/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2508020 - SW8260B										
Blank (2508020-BLK1)				Prepared & Analyzed: 08/04/2025						
1,1,1-Trichloroethane	ND	0.50	ug/L							
1,1,2-Trichlorotrifluoroethane	ND	5.0	ug/L							
1,1-Dichloroethane	ND	0.50	ug/L							
1,1-Dichloroethene	ND	0.50	ug/L							
1,2-Dichloroethane	ND	0.50	ug/L							
1,2-Dichloropropane	ND	0.50	ug/L							
2-Butanone (MEK)	ND	10	ug/L							
Acetone	ND	10	ug/L							
Benzene	ND	0.50	ug/L							
Bromodichloromethane	ND	0.50	ug/L							
Bromoform	ND	2.0	ug/L							
Carbon tetrachloride	ND	0.50	ug/L							
Chlorobenzene	ND	0.50	ug/L							
Chloroform	ND	0.50	ug/L							
Chloromethane	ND	1.0	ug/L							
cis-1,2-Dichloroethene	ND	0.50	ug/L							
Dibromochloromethane	ND	0.50	ug/L							
Dichlorodifluoromethane	ND	0.50	ug/L							
Ethylbenzene	ND	0.50	ug/L							
m,p-Xylene	ND	1.0	ug/L							
Methylene chloride	ND	1.0	ug/L							
o-Xylene	ND	0.50	ug/L							
Tetrachloroethene	ND	0.50	ug/L							
Toluene	ND	0.50	ug/L							
trans-1,2-Dichloroethene	ND	0.50	ug/L							
Trichloroethene	ND	0.50	ug/L							
Trichlorofluoromethane	ND	0.50	ug/L							
Vinyl chloride	ND	0.50	ug/L							
Surrogate: 4-Bromofluorobenzene	*52.6*		*ug/L*	*50.00*		*105*	*70-130*			
Surrogate: Dibromofluoromethane	*46.5*		*ug/L*	*50.00*		*93*	*70-130*			
Surrogate: Toluene-d8	*44.6*		*ug/L*	*50.00*		*89*	*70-130*			
LCS (2508020-BS1)				Prepared & Analyzed: 08/04/2025						
1,1-Dichloroethene	42	0.50	ug/L	50.00		84	70-130			
Benzene	51	0.50	ug/L	50.00		102	70-130			
Chlorobenzene	41	0.50	ug/L	50.00		82	70-130			
Toluene	42	0.50	ug/L	50.00		84	70-130			
Trichloroethene	41	0.50	ug/L	50.00		82	70-130			
Surrogate: 4-Bromofluorobenzene	*53.7*		*ug/L*	*50.00*		*107*	*70-130*			
Surrogate: Dibromofluoromethane	*46.5*		*ug/L*	*50.00*		*93*	*70-130*			
Surrogate: Toluene-d8	*44.0*		*ug/L*	*50.00*		*88*	*70-130*			

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0028
Date Received: 08/01/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2508020 - SW8260B										
LCS Dup (2508020-BSD1)				Prepared & Analyzed: 08/04/2025						
1,1-Dichloroethene	45	0.50	ug/L	50.00		90	70-130	7	30	
Benzene	53	0.50	ug/L	50.00		107	70-130	5	30	
Chlorobenzene	44	0.50	ug/L	50.00		89	70-130	8	30	
Toluene	46	0.50	ug/L	50.00		93	70-130	9	30	
Trichloroethene	45	0.50	ug/L	50.00		89	70-130	9	30	
Surrogate: 4-Bromofluorobenzene	*52.9*		*ug/L*	*50.00*		*106*	*70-130*			
Surrogate: Dibromofluoromethane	*46.7*		*ug/L*	*50.00*		*93*	*70-130*			
Surrogate: Toluene-d8	*45.1*		*ug/L*	*50.00*		*90*	*70-130*			
Matrix Spike (2508020-MS1)		**Source: 25G0753-03RE1**		Prepared: 08/04/2025 Analyzed: 08/05/2025						
1,1-Dichloroethene	220	2.5	ug/L	250.0	7.7	86	70-130			
Benzene	260	2.5	ug/L	250.0	ND	105	70-130			
Chlorobenzene	210	2.5	ug/L	250.0	ND	84	70-130			
Toluene	220	2.5	ug/L	250.0	ND	87	70-130			
Trichloroethene	260	2.5	ug/L	250.0	54	82	70-130			
Surrogate: 4-Bromofluorobenzene	*260*		*ug/L*	*250.0*		*104*	*70-130*			
Surrogate: Dibromofluoromethane	*253*		*ug/L*	*250.0*		*101*	*70-130*			
Surrogate: Toluene-d8	*222*		*ug/L*	*250.0*		*89*	*70-130*			
Matrix Spike (2508020-MS2)		**Source: 25H0028-05**		Prepared: 08/04/2025 Analyzed: 08/05/2025						
1,1-Dichloroethene	51	0.50	ug/L	50.00	ND	102	70-130			
Benzene	61	0.50	ug/L	50.00	ND	123	70-130			
Chlorobenzene	48	0.50	ug/L	50.00	ND	96	70-130			
Toluene	50	0.50	ug/L	50.00	ND	101	70-130			
Trichloroethene	49	0.50	ug/L	50.00	ND	97	70-130			
Surrogate: 4-Bromofluorobenzene	*53.9*		*ug/L*	*50.00*		*108*	*70-130*			
Surrogate: Dibromofluoromethane	*50.1*		*ug/L*	*50.00*		*100*	*70-130*			
Surrogate: Toluene-d8	*45.5*		*ug/L*	*50.00*		*91*	*70-130*			
Matrix Spike Dup (2508020-MSD1)		**Source: 25G0753-03RE1**		Prepared: 08/04/2025 Analyzed: 08/05/2025						
1,1-Dichloroethene	240	2.5	ug/L	250.0	7.7	93	70-130	7	30	E7
Benzene	280	2.5	ug/L	250.0	ND	113	70-130	7	30	E7
Chlorobenzene	220	2.5	ug/L	250.0	ND	87	70-130	3	30	E7
Toluene	220	2.5	ug/L	250.0	ND	90	70-130	3	30	E7
Trichloroethene	270	2.5	ug/L	250.0	54	87	70-130	4	30	E7
Surrogate: 4-Bromofluorobenzene	*262*		*ug/L*	*250.0*		*105*	*70-130*			*E7*
Surrogate: Dibromofluoromethane	*256*		*ug/L*	*250.0*		*103*	*70-130*			*E7*
Surrogate: Toluene-d8	*218*		*ug/L*	*250.0*		*87*	*70-130*			*E7*
Matrix Spike Dup (2508020-MSD2)		**Source: 25H0028-05**		Prepared: 08/04/2025 Analyzed: 08/05/2025						
1,1-Dichloroethene	44	0.50	ug/L	50.00	ND	89	70-130	14	30	
Benzene	52	0.50	ug/L	50.00	ND	104	70-130	16	30	
Chlorobenzene	43	0.50	ug/L	50.00	ND	86	70-130	11	30	
Toluene	45	0.50	ug/L	50.00	ND	90	70-130	11	30	
Trichloroethene	43	0.50	ug/L	50.00	ND	86	70-130	12	30	
Surrogate: 4-Bromofluorobenzene	*48.7*		*ug/L*	*50.00*		*97*	*70-130*			
Surrogate: Dibromofluoromethane	*46.4*		*ug/L*	*50.00*		*93*	*70-130*			
Surrogate: Toluene-d8	*42.5*		*ug/L*	*50.00*		*85*	*70-130*			

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0028
Date Received: 08/01/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2508191 - SW8260B										
Blank (2508191-BLK1)				Prepared: 08/19/2025 Analyzed: 08/21/2025						
1,1,1-Trichloroethane	ND	0.50	ug/L							
1,1,2-Trichlorotrifluoroethane	ND	5.0	ug/L							
1,1-Dichloroethane	ND	0.50	ug/L							
1,1-Dichloroethene	ND	0.50	ug/L							
1,2-Dichloroethane	ND	0.50	ug/L							
1,2-Dichloropropane	ND	0.50	ug/L							
2-Butanone (MEK)	ND	10	ug/L							
Acetone	ND	10	ug/L							
Benzene	ND	0.50	ug/L							
Bromodichloromethane	ND	0.50	ug/L							
Bromoform	ND	2.0	ug/L							
Carbon tetrachloride	ND	0.50	ug/L							
Chlorobenzene	ND	0.50	ug/L							
Chloroform	ND	0.50	ug/L							
Chloromethane	ND	1.0	ug/L							
cis-1,2-Dichloroethene	ND	0.50	ug/L							
Dibromochloromethane	ND	0.50	ug/L							
Dichlorodifluoromethane	ND	0.50	ug/L							
Ethylbenzene	ND	0.50	ug/L							
m,p-Xylene	ND	1.0	ug/L							
Methylene chloride	ND	1.0	ug/L							
o-Xylene	ND	0.50	ug/L							
Tetrachloroethene	ND	0.50	ug/L							
Toluene	ND	0.50	ug/L							
trans-1,2-Dichloroethene	ND	0.50	ug/L							
Trichloroethene	ND	0.50	ug/L							
Trichlorofluoromethane	ND	0.50	ug/L							
Vinyl chloride	ND	0.50	ug/L							
Surrogate: 4-Bromofluorobenzene	*52.6*		*ug/L*	*50.00*		*105*	*70-130*			
Surrogate: Dibromofluoromethane	*48.1*		*ug/L*	*50.00*		*96*	*70-130*			
Surrogate: Toluene-d8	*50.0*		*ug/L*	*50.00*		*100*	*70-130*			
LCS (2508191-BS1)				Prepared: 08/19/2025 Analyzed: 08/21/2025						
1,1-Dichloroethene	62	0.50	ug/L	50.00		124	70-130			
Benzene	53	0.50	ug/L	50.00		106	70-130			
Chlorobenzene	49	0.50	ug/L	50.00		98	70-130			
Toluene	50	0.50	ug/L	50.00		100	70-130			
Trichloroethene	50	0.50	ug/L	50.00		100	70-130			
Surrogate: 4-Bromofluorobenzene	*51.8*		*ug/L*	*50.00*		*104*	*70-130*			
Surrogate: Dibromofluoromethane	*48.6*		*ug/L*	*50.00*		*97*	*70-130*			
Surrogate: Toluene-d8	*51.3*		*ug/L*	*50.00*		*103*	*70-130*			

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0028
Date Received: 08/01/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2508191 - SW8260B										
LCS Dup (2508191-BSD1)				Prepared: 08/19/2025 Analyzed: 08/21/2025						
1,1-Dichloroethene	61	0.50	ug/L	50.00		121	70-130	3	30	
Benzene	53	0.50	ug/L	50.00		107	70-130	0.8	30	
Chlorobenzene	50	0.50	ug/L	50.00		100	70-130	1	30	
Toluene	52	0.50	ug/L	50.00		104	70-130	4	30	
Trichloroethene	50	0.50	ug/L	50.00		100	70-130	0.2	30	
Surrogate: 4-Bromofluorobenzene	*53.5*		*ug/L*	*50.00*		*107*	*70-130*			
Surrogate: Dibromofluoromethane	*48.0*		*ug/L*	*50.00*		*96*	*70-130*			
Surrogate: Toluene-d8	*51.0*		*ug/L*	*50.00*		*102*	*70-130*			

TURNER LABORATORIES INC.
2445 N. Coyote Drive, Suite 104
Tucson, Arizona 85745
(520) 882-5880
Fax: (520) 882-9788
www.turnerlabs.com

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

TURNER WORK ORDER # 2540028 DATE _____ PAGE 1 OF 1

PROJECT NAME TIA Routine OP # 12619196.5.5.7

CONTACT NAME : Justin Berkompas

COMPANY NAME : GHD Services, Inc.

ADDRESS :333 E Wetmore Rd. Suite 100

CITY Tucson STATE AZ ZIP CODE 85705

PHONE 720-974-0964 FAX

SAMPLER'S SIGNATURE [signature]

CIRCLE ANALYSIS REQUESTED AND/OR CHECK THE APPROPRIATE BOX

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX*	NUMBER OF CONTAINERS	8260	Anticipate High Concentrations	MS/MSD
GW-072925-EH-69	07/29/25	1405		GW	3	X	X	
GW-072925-EH-TB	07/29/25	1405		GW	1	X		
GW-072925-EH-70	07/29/25	1415		GW	3	X	X	
GW-073025-EH-71	07/30/25	1515		GW	3	X		
GW-073125-EH-72	07/31/25	0925		GW	6	X		X

1. RELINQUISHED BY: [signature]
Signature
Elijah Harold
Printed Name
GHD Services Inc.
Firm
08/01/25 1122
Date/Time

2. RECEIVED BY:
Signature
Printed Name
Firm
Date/Time

TURNAROUND REQUIREMENTS:
____ Standard (approx.10 days)*
____ Next day ____ 2 Day ____ 5 Day*
____ Email Preliminary Results To:
* Working Days

REPORT REQUIREMENTS:
____ I. Routine Report
____ II. Report (includes DUP,MS,MSD, as required, may be charged as samples)
____ III. Date Validation Report (Includes All Raw Data)
Add 10% to invoice

INVOICE INFORMATION:
Account ____ Y ____ N
P.O. # ____
Bill to: ____

SAMPLE RECEIPT:
EK-48
Total Containers ____
Temperature 1.4
☒ Wet Ice ☐ Blue Ice

3. RELINQUISHED BY:
Signature
Printed Name
Firm
Date/Time

4. RECEIVED BY: [signature]
Signature [signature]
Printed Name
TURNER LABORATORIES, INC.
Firm
8/1/25 1122
Date/Time

*LEGEND
DW = DRINKING WATER
GW = GROUNDWATER
SD = SOLID
SG = SLUDGE
SL = SOIL
ST = STORMWATER
WW = WASTEWATER

SPECIAL INSTRUCTIONS/COMMENTS:

Compliance Analysis:	☐ Yes ☐ No	Custody Seals	☐	Preservation Confirmation	☒
ADEQ Forms:	☐ Yes ☐ No	Container Intact	☒	Appropriate Head Space	☒
Mail ADEQ Forms:	☐ Yes ☐ No	COC/Labels Agree	☒	Received Within Hold Time	☒

August 22, 2025

Justin Berkompas
GHD Services, Inc. - Tucson
6700 N. Oracle Rd. Suite 238
Tucson, AZ 85704

TEL (520) 203-0701
FAX

Work Order No.: 25G0165
Order Name: 12619196

RE: TIA Routine Op

Dear Justin Berkompas,

Turner Laboratories, Inc. received 10 sample(s) on 07/03/2025 for the analyses presented in the following report.

All results are intended to be considered in their entirety, and Turner Laboratories, Inc. is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Samples will be disposed of 30 days after issue of our report unless special arrangements are made.

The pages that follow may contain sensitive, privileged or confidential information intended solely for the addressee named above. If you receive this message and are not the agent or employee of the addressee, this communication has been sent in error. Please do not disseminate or copy any of the attached and notify the sender immediately by telephone. Please also return the attached sheet(s) to the sender by mail.

Please call if you have any questions.

Respectfully submitted,

Turner Laboratories, Inc.
ADHS License AZ0066

Elizabeth Kasik
Laboratory Director

Turner Laboratories, Inc.

Date: 08/22/2025

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25G0165
Date Received: 07/03/2025

Order: 12619196

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date/Time
25G0165-01	GW-070125-WT-01	Ground Water	07/01/2025 1115
25G0165-02	GW-070225-WT-TB	Trip Blank	07/01/2025 1115
25G0165-03	GW-070125-WT-02	Ground Water	07/01/2025 1335
25G0165-04	GW-070125-WT-03	Ground Water	07/01/2025 1337
25G0165-05	GW-070125-WT-04	Ground Water	07/01/2025 1435
25G0165-06	GW-070225-WT-05	Ground Water	07/02/2025 1115
25G0165-07	GW-070225-WT-06	Ground Water	07/02/2025 1235
25G0165-08	GW-070325-WT-07	Ground Water	07/03/2025 0825
25G0165-09	GW-070325-WT-08	Ground Water	07/03/2025 0955
25G0165-10	GW-070325-WT-09	Ground Water	07/03/2025 1305

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25G0165
Date Received: 07/03/2025

Case Narrative

This report has been revised to report TCE in sample 25G0165-06.

M2 Matrix spike recovery was low; the associated LCS/LCSD was acceptable.

All soil, sludge, and solid matrix determinations are reported on a wet weight basis unless otherwise noted.

ND Not Detected at or above the PQL

PQL Practical Quantitation Limit

DF Dilution Factor

Turner Laboratories, Inc.

Date: 08/22/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-070125-WT-01
Project:	TIA Routine Op	**Collection Date/Time:**	07/01/2025 1115
Work Order:	25G0165	**Matrix:**	Ground Water
Lab Sample ID:	25G0165-01	**Order Name:**	12619196

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1644	PB
1,1,2-Trichlorotrifluoroethane	ND	25		ug/L	5	07/08/2025 0800	07/08/2025 1644	PB
1,1-Dichloroethane	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1644	PB
1,1-Dichloroethene	6.9	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1644	PB
1,2-Dichloroethane	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1644	PB
1,2-Dichloropropane	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1644	PB
2-Butanone (MEK)	ND	50		ug/L	5	07/08/2025 0800	07/08/2025 1644	PB
Acetone	ND	50		ug/L	5	07/08/2025 0800	07/08/2025 1644	PB
Benzene	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1644	PB
Bromodichloromethane	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1644	PB
Bromoform	ND	10		ug/L	5	07/08/2025 0800	07/08/2025 1644	PB
Carbon tetrachloride	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1644	PB
Chlorobenzene	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1644	PB
Chloroform	2.6	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1644	PB
Chloromethane	ND	5.0		ug/L	5	07/08/2025 0800	07/08/2025 1644	PB
cis-1,2-Dichloroethene	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1644	PB
Dibromochloromethane	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1644	PB
Dichlorodifluoromethane	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1644	PB
Ethylbenzene	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1644	PB
m,p-Xylene	ND	5.0		ug/L	5	07/08/2025 0800	07/08/2025 1644	PB
Methylene chloride	ND	5.0		ug/L	5	07/08/2025 0800	07/08/2025 1644	PB
o-Xylene	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1644	PB
Tetrachloroethene	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1644	PB
Toluene	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1644	PB
trans-1,2-Dichloroethene	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1644	PB
Trichloroethene	42	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1644	PB
Trichlorofluoromethane	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1644	PB
Vinyl chloride	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1644	PB
Surr: 4-Bromofluorobenzene	*110*	*70-130*		*%REC*	*1*	*07/08/2025 0800*	*07/08/2025 1644*	*PB*
Surr: Dibromofluoromethane	*107*	*70-130*		*%REC*	*1*	*07/08/2025 0800*	*07/08/2025 1644*	*PB*
Surr: Toluene-d8	*95*	*70-130*		*%REC*	*1*	*07/08/2025 0800*	*07/08/2025 1644*	*PB*

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Date: 08/22/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-070225-WT-TB
Project:	TIA Routine Op	**Collection Date/Time:**	07/01/2025 1115
Work Order:	25G0165	**Matrix:**	Trip Blank
Lab Sample ID:	25G0165-02	**Order Name:**	12619196

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1721	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/08/2025 0800	07/08/2025 1721	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1721	PB
1,1-Dichloroethene	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1721	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1721	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1721	PB
2-Butanone (MEK)	ND	10		ug/L	1	07/08/2025 0800	07/08/2025 1721	PB
Acetone	ND	10		ug/L	1	07/08/2025 0800	07/08/2025 1721	PB
Benzene	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1721	PB
Bromodichloromethane	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1721	PB
Bromoform	ND	2.0		ug/L	1	07/08/2025 0800	07/08/2025 1721	PB
Carbon tetrachloride	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1721	PB
Chlorobenzene	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1721	PB
Chloroform	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1721	PB
Chloromethane	ND	1.0		ug/L	1	07/08/2025 0800	07/08/2025 1721	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1721	PB
Dibromochloromethane	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1721	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1721	PB
Ethylbenzene	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1721	PB
m,p-Xylene	ND	1.0		ug/L	1	07/08/2025 0800	07/08/2025 1721	PB
Methylene chloride	ND	1.0		ug/L	1	07/08/2025 0800	07/08/2025 1721	PB
o-Xylene	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1721	PB
Tetrachloroethene	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1721	PB
Toluene	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1721	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1721	PB
Trichloroethene	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1721	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1721	PB
Vinyl chloride	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1721	PB
Surr: 4-Bromofluorobenzene	*109*	*70-130*		*%REC*	*1*	*07/08/2025 0800*	*07/08/2025 1721*	*PB*
Surr: Dibromofluoromethane	*97*	*70-130*		*%REC*	*1*	*07/08/2025 0800*	*07/08/2025 1721*	*PB*
Surr: Toluene-d8	*94*	*70-130*		*%REC*	*1*	*07/08/2025 0800*	*07/08/2025 1721*	*PB*

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Date: 08/22/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-070125-WT-02
Project:	TIA Routine Op	**Collection Date/Time:**	07/01/2025 1335
Work Order:	25G0165	**Matrix:**	Ground Water
Lab Sample ID:	25G0165-03	**Order Name:**	12619196

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1758	PB
1,1,2-Trichlorotrifluoroethane	ND	25		ug/L	5	07/08/2025 0800	07/08/2025 1758	PB
1,1-Dichloroethane	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1758	PB
1,1-Dichloroethene	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1758	PB
1,2-Dichloroethane	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1758	PB
1,2-Dichloropropane	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1758	PB
2-Butanone (MEK)	ND	50		ug/L	5	07/08/2025 0800	07/08/2025 1758	PB
Acetone	ND	50		ug/L	5	07/08/2025 0800	07/08/2025 1758	PB
Benzene	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1758	PB
Bromodichloromethane	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1758	PB
Bromoform	ND	10		ug/L	5	07/08/2025 0800	07/08/2025 1758	PB
Carbon tetrachloride	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1758	PB
Chlorobenzene	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1758	PB
Chloroform	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1758	PB
Chloromethane	ND	5.0		ug/L	5	07/08/2025 0800	07/08/2025 1758	PB
cis-1,2-Dichloroethene	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1758	PB
Dibromochloromethane	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1758	PB
Dichlorodifluoromethane	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1758	PB
Ethylbenzene	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1758	PB
m,p-Xylene	ND	5.0		ug/L	5	07/08/2025 0800	07/08/2025 1758	PB
Methylene chloride	ND	5.0		ug/L	5	07/08/2025 0800	07/08/2025 1758	PB
o-Xylene	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1758	PB
Tetrachloroethene	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1758	PB
Toluene	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1758	PB
trans-1,2-Dichloroethene	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1758	PB
Trichloroethene	460	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1758	PB
Trichlorofluoromethane	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1758	PB
Vinyl chloride	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1758	PB
Surr: 4-Bromofluorobenzene	*127*	*70-130*		*%REC*	*1*	*07/08/2025 0800*	*07/08/2025 1758*	*PB*
Surr: Dibromofluoromethane	*127*	*70-130*		*%REC*	*1*	*07/08/2025 0800*	*07/08/2025 1758*	*PB*
Surr: Toluene-d8	*107*	*70-130*		*%REC*	*1*	*07/08/2025 0800*	*07/08/2025 1758*	*PB*

Turner Laboratories, Inc.

Date: 08/22/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-070125-WT-03
Project:	TIA Routine Op	**Collection Date/Time:**	07/01/2025 1337
Work Order:	25G0165	**Matrix:**	Ground Water
Lab Sample ID:	25G0165-04	**Order Name:**	12619196

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1835	PB
1,1,2-Trichlorotrifluoroethane	ND	25		ug/L	5	07/08/2025 0800	07/08/2025 1835	PB
1,1-Dichloroethane	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1835	PB
1,1-Dichloroethene	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1835	PB
1,2-Dichloroethane	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1835	PB
1,2-Dichloropropane	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1835	PB
2-Butanone (MEK)	ND	50		ug/L	5	07/08/2025 0800	07/08/2025 1835	PB
Acetone	ND	50		ug/L	5	07/08/2025 0800	07/08/2025 1835	PB
Benzene	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1835	PB
Bromodichloromethane	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1835	PB
Bromoform	ND	10		ug/L	5	07/08/2025 0800	07/08/2025 1835	PB
Carbon tetrachloride	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1835	PB
Chlorobenzene	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1835	PB
Chloroform	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1835	PB
Chloromethane	ND	5.0		ug/L	5	07/08/2025 0800	07/08/2025 1835	PB
cis-1,2-Dichloroethene	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1835	PB
Dibromochloromethane	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1835	PB
Dichlorodifluoromethane	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1835	PB
Ethylbenzene	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1835	PB
m,p-Xylene	ND	5.0		ug/L	5	07/08/2025 0800	07/08/2025 1835	PB
Methylene chloride	ND	5.0		ug/L	5	07/08/2025 0800	07/08/2025 1835	PB
o-Xylene	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1835	PB
Tetrachloroethene	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1835	PB
Toluene	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1835	PB
trans-1,2-Dichloroethene	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1835	PB
Trichloroethene	430	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1835	PB
Trichlorofluoromethane	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1835	PB
Vinyl chloride	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1835	PB
Surr: 4-Bromofluorobenzene	*120*	*70-130*		*%REC*	*1*	*07/08/2025 0800*	*07/08/2025 1835*	*PB*
Surr: Dibromofluoromethane	*120*	*70-130*		*%REC*	*1*	*07/08/2025 0800*	*07/08/2025 1835*	*PB*
Surr: Toluene-d8	*103*	*70-130*		*%REC*	*1*	*07/08/2025 0800*	*07/08/2025 1835*	*PB*

Turner Laboratories, Inc.

Date: 08/22/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-070125-WT-04
Project:	TIA Routine Op	**Collection Date/Time:**	07/01/2025 1435
Work Order:	25G0165	**Matrix:**	Ground Water
Lab Sample ID:	25G0165-05	**Order Name:**	12619196

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1912	PB
1,1,2-Trichlorotrifluoroethane	ND	25		ug/L	5	07/08/2025 0800	07/08/2025 1912	PB
1,1-Dichloroethane	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1912	PB
1,1-Dichloroethene	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1912	PB
1,2-Dichloroethane	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1912	PB
1,2-Dichloropropane	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1912	PB
2-Butanone (MEK)	ND	50		ug/L	5	07/08/2025 0800	07/08/2025 1912	PB
Acetone	ND	50		ug/L	5	07/08/2025 0800	07/08/2025 1912	PB
Benzene	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1912	PB
Bromodichloromethane	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1912	PB
Bromoform	ND	10		ug/L	5	07/08/2025 0800	07/08/2025 1912	PB
Carbon tetrachloride	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1912	PB
Chlorobenzene	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1912	PB
Chloroform	3.1	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1912	PB
Chloromethane	ND	5.0		ug/L	5	07/08/2025 0800	07/08/2025 1912	PB
cis-1,2-Dichloroethene	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1912	PB
Dibromochloromethane	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1912	PB
Dichlorodifluoromethane	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1912	PB
Ethylbenzene	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1912	PB
m,p-Xylene	ND	5.0		ug/L	5	07/08/2025 0800	07/08/2025 1912	PB
Methylene chloride	ND	5.0		ug/L	5	07/08/2025 0800	07/08/2025 1912	PB
o-Xylene	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1912	PB
Tetrachloroethene	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1912	PB
Toluene	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1912	PB
trans-1,2-Dichloroethene	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1912	PB
Trichloroethene	770	5.0		ug/L	10	07/08/2025 0800	07/09/2025 0858	PB
Trichlorofluoromethane	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1912	PB
Vinyl chloride	ND	2.5		ug/L	5	07/08/2025 0800	07/08/2025 1912	PB
Surr: 4-Bromofluorobenzene	*113*	*70-130*		*%REC*	*1*	*07/08/2025 0800*	*07/09/2025 858*	*PB*
Surr: 4-Bromofluorobenzene	*116*	*70-130*		*%REC*	*1*	*07/08/2025 0800*	*07/08/2025 1912*	*PB*
Surr: Dibromofluoromethane	*110*	*70-130*		*%REC*	*1*	*07/08/2025 0800*	*07/08/2025 1912*	*PB*
Surr: Dibromofluoromethane	*101*	*70-130*		*%REC*	*1*	*07/08/2025 0800*	*07/09/2025 858*	*PB*
Surr: Toluene-d8	*103*	*70-130*		*%REC*	*1*	*07/08/2025 0800*	*07/08/2025 1912*	*PB*
Surr: Toluene-d8	*105*	*70-130*		*%REC*	*1*	*07/08/2025 0800*	*07/09/2025 858*	*PB*

Turner Laboratories, Inc.

Date: 08/22/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-070225-WT-05
Project:	TIA Routine Op	**Collection Date/Time:**	07/02/2025 1115
Work Order:	25G0165	**Matrix:**	Ground Water
Lab Sample ID:	25G0165-06	**Order Name:**	12619196

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1340	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/08/2025 0800	07/08/2025 1340	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1340	PB
1,1-Dichloroethene	0.88	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1340	PB
1,2-Dichloroethane	1.1	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1340	PB
1,2-Dichloropropane	8.2	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1340	PB
2-Butanone (MEK)	ND	10		ug/L	1	07/08/2025 0800	07/08/2025 1340	PB
Acetone	ND	10		ug/L	1	07/08/2025 0800	07/08/2025 1340	PB
Benzene	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1340	PB
Bromodichloromethane	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1340	PB
Bromoform	ND	2.0		ug/L	1	07/08/2025 0800	07/08/2025 1340	PB
Carbon tetrachloride	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1340	PB
Chlorobenzene	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1340	PB
Chloroform	24	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1340	PB
Chloromethane	ND	1.0		ug/L	1	07/08/2025 0800	07/08/2025 1340	PB
cis-1,2-Dichloroethene	0.55	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1340	PB
Dibromochloromethane	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1340	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1340	PB
Ethylbenzene	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1340	PB
m,p-Xylene	ND	1.0		ug/L	1	07/08/2025 0800	07/08/2025 1340	PB
Methylene chloride	ND	1.0		ug/L	1	07/08/2025 0800	07/08/2025 1340	PB
o-Xylene	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1340	PB
Tetrachloroethene	0.86	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1340	PB
Toluene	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1340	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1340	PB
Trichloroethene	260	5.0	M2	ug/L	10	07/08/2025 0800	07/09/2025 0112	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1340	PB
Vinyl chloride	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1340	PB
Surr: 4-Bromofluorobenzene	*118*	*70-130*		*%REC*	*1*	*07/08/2025 0800*	*07/09/2025 112*	*PB*
Surr: 4-Bromofluorobenzene	*114*	*70-130*		*%REC*	*1*	*07/08/2025 0800*	*07/08/2025 1340*	*PB*
Surr: Dibromofluoromethane	*105*	*70-130*		*%REC*	*1*	*07/08/2025 0800*	*07/08/2025 1340*	*PB*
Surr: Dibromofluoromethane	*108*	*70-130*		*%REC*	*1*	*07/08/2025 0800*	*07/09/2025 112*	*PB*
Surr: Toluene-d8	*103*	*70-130*		*%REC*	*1*	*07/08/2025 0800*	*07/09/2025 112*	*PB*
Surr: Toluene-d8	*105*	*70-130*		*%REC*	*1*	*07/08/2025 0800*	*07/08/2025 1340*	*PB*

Turner Laboratories, Inc.

Date: 08/22/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-070225-WT-06
Project:	TIA Routine Op	**Collection Date/Time:**	07/02/2025 1235
Work Order:	25G0165	**Matrix:**	Ground Water
Lab Sample ID:	25G0165-07	**Order Name:**	12619196

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1948	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/08/2025 0800	07/08/2025 1948	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1948	PB
1,1-Dichloroethene	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1948	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1948	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1948	PB
2-Butanone (MEK)	ND	10		ug/L	1	07/08/2025 0800	07/08/2025 1948	PB
Acetone	ND	10		ug/L	1	07/08/2025 0800	07/08/2025 1948	PB
Benzene	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1948	PB
Bromodichloromethane	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1948	PB
Bromoform	ND	2.0		ug/L	1	07/08/2025 0800	07/08/2025 1948	PB
Carbon tetrachloride	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1948	PB
Chlorobenzene	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1948	PB
Chloroform	1.6	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1948	PB
Chloromethane	ND	1.0		ug/L	1	07/08/2025 0800	07/08/2025 1948	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1948	PB
Dibromochloromethane	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1948	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1948	PB
Ethylbenzene	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1948	PB
m,p-Xylene	ND	1.0		ug/L	1	07/08/2025 0800	07/08/2025 1948	PB
Methylene chloride	ND	1.0		ug/L	1	07/08/2025 0800	07/08/2025 1948	PB
o-Xylene	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1948	PB
Tetrachloroethene	0.83	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1948	PB
Toluene	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1948	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1948	PB
Trichloroethene	5.6	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1948	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1948	PB
Vinyl chloride	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 1948	PB
Surr: 4-Bromofluorobenzene	*117*	*70-130*		*%REC*	*1*	*07/08/2025 0800*	*07/08/2025 1948*	*PB*
Surr: Dibromofluoromethane	*105*	*70-130*		*%REC*	*1*	*07/08/2025 0800*	*07/08/2025 1948*	*PB*
Surr: Toluene-d8	*102*	*70-130*		*%REC*	*1*	*07/08/2025 0800*	*07/08/2025 1948*	*PB*

Turner Laboratories, Inc.

Date: 08/22/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-070325-WT-07
Project:	TIA Routine Op	**Collection Date/Time:**	07/03/2025 0825
Work Order:	25G0165	**Matrix:**	Ground Water
Lab Sample ID:	25G0165-08	**Order Name:**	12619196

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 2024	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/08/2025 0800	07/08/2025 2024	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 2024	PB
1,1-Dichloroethene	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 2024	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 2024	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 2024	PB
2-Butanone (MEK)	ND	10		ug/L	1	07/08/2025 0800	07/08/2025 2024	PB
Acetone	ND	10		ug/L	1	07/08/2025 0800	07/08/2025 2024	PB
Benzene	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 2024	PB
Bromodichloromethane	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 2024	PB
Bromoform	ND	2.0		ug/L	1	07/08/2025 0800	07/08/2025 2024	PB
Carbon tetrachloride	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 2024	PB
Chlorobenzene	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 2024	PB
Chloroform	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 2024	PB
Chloromethane	ND	1.0		ug/L	1	07/08/2025 0800	07/08/2025 2024	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 2024	PB
Dibromochloromethane	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 2024	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 2024	PB
Ethylbenzene	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 2024	PB
m,p-Xylene	ND	1.0		ug/L	1	07/08/2025 0800	07/08/2025 2024	PB
Methylene chloride	ND	1.0		ug/L	1	07/08/2025 0800	07/08/2025 2024	PB
o-Xylene	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 2024	PB
Tetrachloroethene	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 2024	PB
Toluene	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 2024	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 2024	PB
Trichloroethene	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 2024	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 2024	PB
Vinyl chloride	ND	0.50		ug/L	1	07/08/2025 0800	07/08/2025 2024	PB
Surr: 4-Bromofluorobenzene	*119*	*70-130*		*%REC*	*1*	*07/08/2025 0800*	*07/08/2025 2024*	*PB*
Surr: Dibromofluoromethane	*109*	*70-130*		*%REC*	*1*	*07/08/2025 0800*	*07/08/2025 2024*	*PB*
Surr: Toluene-d8	*103*	*70-130*		*%REC*	*1*	*07/08/2025 0800*	*07/08/2025 2024*	*PB*

Turner Laboratories, Inc.

Date: 08/22/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-070325-WT-08
Project:	TIA Routine Op	**Collection Date/Time:**	07/03/2025 0955
Work Order:	25G0165	**Matrix:**	Ground Water
Lab Sample ID:	25G0165-09	**Order Name:**	12619196

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/08/2025 0800	07/09/2025 0001	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/08/2025 0800	07/09/2025 0001	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	07/08/2025 0800	07/09/2025 0001	PB
1,1-Dichloroethene	ND	0.50		ug/L	1	07/08/2025 0800	07/09/2025 0001	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	07/08/2025 0800	07/09/2025 0001	PB
1,2-Dichloropropane	0.56	0.50		ug/L	1	07/08/2025 0800	07/09/2025 0001	PB
2-Butanone (MEK)	ND	10		ug/L	1	07/08/2025 0800	07/09/2025 0001	PB
Acetone	ND	10		ug/L	1	07/08/2025 0800	07/09/2025 0001	PB
Benzene	ND	0.50		ug/L	1	07/08/2025 0800	07/09/2025 0001	PB
Bromodichloromethane	ND	0.50		ug/L	1	07/08/2025 0800	07/09/2025 0001	PB
Bromoform	ND	2.0		ug/L	1	07/08/2025 0800	07/09/2025 0001	PB
Carbon tetrachloride	ND	0.50		ug/L	1	07/08/2025 0800	07/09/2025 0001	PB
Chlorobenzene	ND	0.50		ug/L	1	07/08/2025 0800	07/09/2025 0001	PB
Chloroform	0.79	0.50		ug/L	1	07/08/2025 0800	07/09/2025 0001	PB
Chloromethane	ND	1.0		ug/L	1	07/08/2025 0800	07/09/2025 0001	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/08/2025 0800	07/09/2025 0001	PB
Dibromochloromethane	ND	0.50		ug/L	1	07/08/2025 0800	07/09/2025 0001	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/08/2025 0800	07/09/2025 0001	PB
Ethylbenzene	ND	0.50		ug/L	1	07/08/2025 0800	07/09/2025 0001	PB
m,p-Xylene	ND	1.0		ug/L	1	07/08/2025 0800	07/09/2025 0001	PB
Methylene chloride	ND	1.0		ug/L	1	07/08/2025 0800	07/09/2025 0001	PB
o-Xylene	ND	0.50		ug/L	1	07/08/2025 0800	07/09/2025 0001	PB
Tetrachloroethene	ND	0.50		ug/L	1	07/08/2025 0800	07/09/2025 0001	PB
Toluene	ND	0.50		ug/L	1	07/08/2025 0800	07/09/2025 0001	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/08/2025 0800	07/09/2025 0001	PB
Trichloroethene	1.3	0.50		ug/L	1	07/08/2025 0800	07/09/2025 0001	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	07/08/2025 0800	07/09/2025 0001	PB
Vinyl chloride	ND	0.50		ug/L	1	07/08/2025 0800	07/09/2025 0001	PB
Surr: 4-Bromofluorobenzene	*115*	*70-130*		*%REC*	*1*	*07/08/2025 0800*	*07/09/2025 001*	*PB*
Surr: Dibromofluoromethane	*106*	*70-130*		*%REC*	*1*	*07/08/2025 0800*	*07/09/2025 001*	*PB*
Surr: Toluene-d8	*105*	*70-130*		*%REC*	*1*	*07/08/2025 0800*	*07/09/2025 001*	*PB*

Turner Laboratories, Inc.

Date: 08/22/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-070325-WT-09
Project:	TIA Routine Op	**Collection Date/Time:**	07/03/2025 1305
Work Order:	25G0165	**Matrix:**	Ground Water
Lab Sample ID:	25G0165-10	**Order Name:**	12619196

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	07/08/2025 0800	07/09/2025 0036	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	07/08/2025 0800	07/09/2025 0036	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	07/08/2025 0800	07/09/2025 0036	PB
1,1-Dichloroethene	0.74	0.50		ug/L	1	07/08/2025 0800	07/09/2025 0036	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	07/08/2025 0800	07/09/2025 0036	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	07/08/2025 0800	07/09/2025 0036	PB
2-Butanone (MEK)	ND	10		ug/L	1	07/08/2025 0800	07/09/2025 0036	PB
Acetone	ND	10		ug/L	1	07/08/2025 0800	07/09/2025 0036	PB
Benzene	ND	0.50		ug/L	1	07/08/2025 0800	07/09/2025 0036	PB
Bromodichloromethane	ND	0.50		ug/L	1	07/08/2025 0800	07/09/2025 0036	PB
Bromoform	ND	2.0		ug/L	1	07/08/2025 0800	07/09/2025 0036	PB
Carbon tetrachloride	0.96	0.50		ug/L	1	07/08/2025 0800	07/09/2025 0036	PB
Chlorobenzene	ND	0.50		ug/L	1	07/08/2025 0800	07/09/2025 0036	PB
Chloroform	1.2	0.50		ug/L	1	07/08/2025 0800	07/09/2025 0036	PB
Chloromethane	ND	1.0		ug/L	1	07/08/2025 0800	07/09/2025 0036	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	07/08/2025 0800	07/09/2025 0036	PB
Dibromochloromethane	ND	0.50		ug/L	1	07/08/2025 0800	07/09/2025 0036	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	07/08/2025 0800	07/09/2025 0036	PB
Ethylbenzene	ND	0.50		ug/L	1	07/08/2025 0800	07/09/2025 0036	PB
m,p-Xylene	ND	1.0		ug/L	1	07/08/2025 0800	07/09/2025 0036	PB
Methylene chloride	ND	1.0		ug/L	1	07/08/2025 0800	07/09/2025 0036	PB
o-Xylene	ND	0.50		ug/L	1	07/08/2025 0800	07/09/2025 0036	PB
Tetrachloroethene	ND	0.50		ug/L	1	07/08/2025 0800	07/09/2025 0036	PB
Toluene	ND	0.50		ug/L	1	07/08/2025 0800	07/09/2025 0036	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	07/08/2025 0800	07/09/2025 0036	PB
Trichloroethene	52	0.50		ug/L	1	07/08/2025 0800	07/09/2025 0036	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	07/08/2025 0800	07/09/2025 0036	PB
Vinyl chloride	ND	0.50		ug/L	1	07/08/2025 0800	07/09/2025 0036	PB
Surr: 4-Bromofluorobenzene	*118*	*70-130*		*%REC*	*1*	*07/08/2025 0800*	*07/09/2025 036*	*PB*
Surr: Dibromofluoromethane	*108*	*70-130*		*%REC*	*1*	*07/08/2025 0800*	*07/09/2025 036*	*PB*
Surr: Toluene-d8	*103*	*70-130*		*%REC*	*1*	*07/08/2025 0800*	*07/09/2025 036*	*PB*

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25G0165
Date Received: 07/03/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2507077 - SW8260B										
Blank (2507077-BLK1)				Prepared & Analyzed: 07/08/2025						
1,1,1-Trichloroethane	ND	0.50	ug/L							
1,1,2-Trichlorotrifluoroethane	ND	5.0	ug/L							
1,1-Dichloroethane	ND	0.50	ug/L							
1,1-Dichloroethene	ND	0.50	ug/L							
1,2-Dichloroethane	ND	0.50	ug/L							
1,2-Dichloropropane	ND	0.50	ug/L							
2-Butanone (MEK)	ND	10	ug/L							
Acetone	ND	10	ug/L							
Benzene	ND	0.50	ug/L							
Bromodichloromethane	ND	0.50	ug/L							
Bromoform	ND	2.0	ug/L							
Carbon tetrachloride	ND	0.50	ug/L							
Chlorobenzene	ND	0.50	ug/L							
Chloroform	ND	0.50	ug/L							
Chloromethane	ND	1.0	ug/L							
cis-1,2-Dichloroethene	ND	0.50	ug/L							
Dibromochloromethane	ND	0.50	ug/L							
Dichlorodifluoromethane	ND	0.50	ug/L							
Ethylbenzene	ND	0.50	ug/L							
m,p-Xylene	ND	1.0	ug/L							
Methylene chloride	ND	1.0	ug/L							
o-Xylene	ND	0.50	ug/L							
Tetrachloroethene	ND	0.50	ug/L							
Toluene	ND	0.50	ug/L							
trans-1,2-Dichloroethene	ND	0.50	ug/L							
Trichloroethene	ND	0.50	ug/L							
Trichlorofluoromethane	ND	0.50	ug/L							
Vinyl chloride	ND	0.50	ug/L							
Surrogate: 4-Bromofluorobenzene	*56.4*		*ug/L*	*50.00*		*113*	*70-130*			
Surrogate: Dibromofluoromethane	*50.9*		*ug/L*	*50.00*		*102*	*70-130*			
Surrogate: Toluene-d8	*53.0*		*ug/L*	*50.00*		*106*	*70-130*			
LCS (2507077-BS1)				Prepared & Analyzed: 07/08/2025						
1,1-Dichloroethene	56	0.50	ug/L	50.00		111	70-130			
Benzene	58	0.50	ug/L	50.00		117	70-130			
Chlorobenzene	54	0.50	ug/L	50.00		107	70-130			
Toluene	54	0.50	ug/L	50.00		107	70-130			
Trichloroethene	53	0.50	ug/L	50.00		105	70-130			
Surrogate: 4-Bromofluorobenzene	*58.2*		*ug/L*	*50.00*		*116*	*70-130*			
Surrogate: Dibromofluoromethane	*52.0*		*ug/L*	*50.00*		*104*	*70-130*			
Surrogate: Toluene-d8	*53.2*		*ug/L*	*50.00*		*106*	*70-130*			

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25G0165
Date Received: 07/03/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2507077 - SW8260B										
LCS Dup (2507077-BSD1)				Prepared & Analyzed: 07/08/2025						
1,1-Dichloroethene	56	0.50	ug/L	50.00		113	70-130	1	30	
Benzene	59	0.50	ug/L	50.00		117	70-130	0.4	30	
Chlorobenzene	54	0.50	ug/L	50.00		108	70-130	0.5	30	
Toluene	53	0.50	ug/L	50.00		107	70-130	0.4	30	
Trichloroethene	53	0.50	ug/L	50.00		107	70-130	2	30	
Surrogate: 4-Bromofluorobenzene	*55.8*		*ug/L*	*50.00*		*112*	*70-130*			
Surrogate: Dibromofluoromethane	*51.0*		*ug/L*	*50.00*		*102*	*70-130*			
Surrogate: Toluene-d8	*51.6*		*ug/L*	*50.00*		*103*	*70-130*			
Matrix Spike (2507077-MS1)		**Source: 25G0165-06RE1**		Prepared: 07/08/2025 Analyzed: 07/09/2025						
1,1-Dichloroethene	43	0.50	ug/L	50.00	1.8	82	70-130			
Benzene	56	0.50	ug/L	50.00	0.075	111	70-130			
Chlorobenzene	50	0.50	ug/L	50.00	0.15	100	70-130			
Toluene	50	0.50	ug/L	50.00	0.26	99	70-130			
Trichloroethene	76	0.50	ug/L	50.00	260	NR	70-130			M2
Surrogate: 4-Bromofluorobenzene	*56.6*		*ug/L*	*50.00*		*113*	*70-130*			
Surrogate: Dibromofluoromethane	*52.9*		*ug/L*	*50.00*		*106*	*70-130*			
Surrogate: Toluene-d8	*47.7*		*ug/L*	*50.00*		*95*	*70-130*			
Matrix Spike (2507077-MS2)		**Source: 25G0169-01**		Prepared: 07/08/2025 Analyzed: 07/09/2025						
1,1-Dichloroethene	49	0.50	ug/L	50.00	ND	98	70-130			
Benzene	61	0.50	ug/L	50.00	ND	122	70-130			
Chlorobenzene	55	0.50	ug/L	50.00	ND	111	70-130			
Toluene	55	0.50	ug/L	50.00	0.28	110	70-130			
Trichloroethene	53	0.50	ug/L	50.00	0.57	106	70-130			
Surrogate: 4-Bromofluorobenzene	*60.3*		*ug/L*	*50.00*		*121*	*70-130*			
Surrogate: Dibromofluoromethane	*54.1*		*ug/L*	*50.00*		*108*	*70-130*			
Surrogate: Toluene-d8	*51.3*		*ug/L*	*50.00*		*103*	*70-130*			
Matrix Spike Dup (2507077-MSD1)		**Source: 25G0165-06RE1**		Prepared: 07/08/2025 Analyzed: 07/09/2025						
1,1-Dichloroethene	44	0.50	ug/L	50.00	1.8	84	70-130	3	30	
Benzene	55	0.50	ug/L	50.00	0.075	109	70-130	2	30	
Chlorobenzene	50	0.50	ug/L	50.00	0.15	100	70-130	0.4	30	
Toluene	49	0.50	ug/L	50.00	0.26	97	70-130	2	30	
Trichloroethene	74	0.50	ug/L	50.00	260	NR	70-130	2	30	M2
Surrogate: 4-Bromofluorobenzene	*58.9*		*ug/L*	*50.00*		*118*	*70-130*			
Surrogate: Dibromofluoromethane	*53.4*		*ug/L*	*50.00*		*107*	*70-130*			
Surrogate: Toluene-d8	*51.2*		*ug/L*	*50.00*		*102*	*70-130*			
Matrix Spike Dup (2507077-MSD2)		**Source: 25G0169-01**		Prepared: 07/08/2025 Analyzed: 07/09/2025						
1,1-Dichloroethene	44	0.50	ug/L	50.00	ND	87	70-130	11	30	
Benzene	54	0.50	ug/L	50.00	ND	108	70-130	12	30	
Chlorobenzene	50	0.50	ug/L	50.00	ND	99	70-130	11	30	
Toluene	50	0.50	ug/L	50.00	0.28	100	70-130	9	30	
Trichloroethene	47	0.50	ug/L	50.00	0.57	93	70-130	13	30	
Surrogate: 4-Bromofluorobenzene	*59.6*		*ug/L*	*50.00*		*119*	*70-130*			
Surrogate: Dibromofluoromethane	*53.1*		*ug/L*	*50.00*		*106*	*70-130*			
Surrogate: Toluene-d8	*52.0*		*ug/L*	*50.00*		*104*	*70-130*			

SGZ

2560165

CHAIN OF CUSTODY RECORD

COC Number: GHD-20250703141306

Page 1 of 1

ADDRESS:

PHONE: FAX:

Project No/Phase/Task Code: 12619196	Laboratory Name: Turner Laboratories, Inc.	Lab Location: 2445 N Coyote Dr Site 104 Tucson, AZ 85745	SSOW ID:
Project Name: TIAA Superfund Site	Lab Contact: 520-882-5880		Cooler No:
Project Location: 900 E Susana St, Tucson, AZ 85756, Tucson, AZ			Carrier:
GHD Chemistry Contact: Sheri.Finn@GHD.com			Airbill No:
Sampler(s): WT			Total # of Containers: 31

Item	Sample Identification (containers for each sample may be combined on one line)	Date (mm/dd/yy)	Time (hh:mm)	Matrix Code	Grab (G) /Comp (C)	Filtered (Y/N)	VOCs	Anticipate high concentration										Total Containers/sample	MS/MSD Request	Comments/ Special Instructions:
1	GW-070125-WT-01	07/01/25	11:15	WG	G	N	x	X										3		
2	GW-070225-WT-~~04~~ TB	07/01/25	11:15	WG	G	N	x											1		
3	GW-070125-WT-02	07/01/25	13:35	WG	G	N	x	X										3		
4	GW-070125-WT-03	07/01/25	13:37	WG	G	N	x	X										3		
5	GW-070125-WT-04	07/01/25	14:35	WG	G	N	x											3		
6	GW-070225-WT-05	07/02/25	11:15	WG	G	N	x	X										6	X	
7	GW-070225-WT-06	07/02/25	12:35	WG	G	N	x											3		
8	GW-070325-WT-07	07/03/25	8:25	WG	G	N	x											3		
9	GW-070325-WT-08	07/03/25	9:55	WG	G	N	x											3		
10	GW-070325-WT-09	07/03/25	13:05	WG	G	N	x											3		
11																				
12																				
13																				
14																				
15																				
16																				
17																				
18																				

TAT Required in business days (use separate COCs fro different TATs)
(Standards include 1 day, 2 days, 3 days, 1 week, 2 weeks)

Notes/Special Requirements:

	Relinquished By:	Company	Date	Time		Received By:	Company	Date	Time
1	Wesley Thompson	GHD	7/3/25	1530	1	[illegible]	Turnerlabs	7/3	1530
2					2				
3					3				

IR-4S 1.3°C

August 27, 2025

Justin Berkompas
GHD Services, Inc. - Tucson
6700 N. Oracle Rd. Suite 238
Tucson, AZ 85704

TEL (520) 203-0701
FAX

Work Order No.: 25H0248
Order Name: TIA Routine OP
12619196.5.5.7

RE: TIA Routine Op

Dear Justin Berkompas,

Turner Laboratories, Inc. received 1 sample(s) on 08/08/2025 for the analyses presented in the following report.

All results are intended to be considered in their entirety, and Turner Laboratories, Inc. is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Samples will be disposed of 30 days after issue of our report unless special arrangements are made.

The pages that follow may contain sensitive, privileged or confidential information intended solely for the addressee named above. If you receive this message and are not the agent or employee of the addressee, this communication has been sent in error. Please do not disseminate or copy any of the attached and notify the sender immediately by telephone. Please also return the attached sheet(s) to the sender by mail.

Please call if you have any questions.

Respectfully submitted,

Turner Laboratories, Inc.
ADHS License AZ0066

Elizabeth Kasik
Laboratory Director

Turner Laboratories, Inc.

Date: 08/27/2025

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0248
Date Received: 08/08/2025

Order: TIA Routine OP 12619196.5.5.7

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date/Time
25H0248-01	GW-080825-EH-91	Ground Water	08/08/2025 1305

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0248
Date Received: 08/08/2025

Case Narrative

M1 Matrix spike recovery was high; the associated LCS/LCSD was acceptable.

M2 Matrix spike recovery was low; the associated LCS/LCSD was acceptable.

All soil, sludge, and solid matrix determinations are reported on a wet weight basis unless otherwise noted.

ND Not Detected at or above the PQL

PQL Practical Quantitation Limit

DF Dilution Factor

Turner Laboratories, Inc.

Date: 08/27/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-080825-EH-91
Project:	TIA Routine Op	**Collection Date/Time:**	08/08/2025 1305
Work Order:	25H0248	**Matrix:**	Ground Water
Lab Sample ID:	25H0248-01	**Order Name:**	TIA Routine OP 12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2245	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/19/2025 1028	08/21/2025 2245	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2245	PB
1,1-Dichloroethene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2245	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2245	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2245	PB
2-Butanone (MEK)	ND	10		ug/L	1	08/19/2025 1028	08/21/2025 2245	PB
Acetone	ND	10		ug/L	1	08/19/2025 1028	08/21/2025 2245	PB
Benzene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2245	PB
Bromodichloromethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2245	PB
Bromoform	ND	2.0		ug/L	1	08/19/2025 1028	08/21/2025 2245	PB
Carbon tetrachloride	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2245	PB
Chlorobenzene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2245	PB
Chloroform	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2245	PB
Chloromethane	ND	1.0		ug/L	1	08/19/2025 1028	08/21/2025 2245	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2245	PB
Dibromochloromethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2245	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2245	PB
Ethylbenzene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2245	PB
m,p-Xylene	ND	1.0		ug/L	1	08/19/2025 1028	08/21/2025 2245	PB
Methylene chloride	ND	1.0		ug/L	1	08/19/2025 1028	08/21/2025 2245	PB
o-Xylene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2245	PB
Tetrachloroethene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2245	PB
Toluene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2245	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2245	PB
Trichloroethene	8.6	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2245	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2245	PB
Vinyl chloride	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2245	PB
Surr: 4-Bromofluorobenzene	*109*	*70-130*		*%REC*	*1*	*08/19/2025 1028*	*08/21/2025 2245*	*PB*
Surr: Dibromofluoromethane	*91*	*70-130*		*%REC*	*1*	*08/19/2025 1028*	*08/21/2025 2245*	*PB*
Surr: Toluene-d8	*101*	*70-130*		*%REC*	*1*	*08/19/2025 1028*	*08/21/2025 2245*	*PB*

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0248
Date Received: 08/08/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2508191 - SW8260B										
Blank (2508191-BLK1)				Prepared: 08/19/2025 Analyzed: 08/21/2025						
1,1,1-Trichloroethane	ND	0.50	ug/L							
1,1,2-Trichlorotrifluoroethane	ND	5.0	ug/L							
1,1-Dichloroethane	ND	0.50	ug/L							
1,1-Dichloroethene	ND	0.50	ug/L							
1,2-Dichloroethane	ND	0.50	ug/L							
1,2-Dichloropropane	ND	0.50	ug/L							
2-Butanone (MEK)	ND	10	ug/L							
Acetone	ND	10	ug/L							
Benzene	ND	0.50	ug/L							
Bromodichloromethane	ND	0.50	ug/L							
Bromoform	ND	2.0	ug/L							
Carbon tetrachloride	ND	0.50	ug/L							
Chlorobenzene	ND	0.50	ug/L							
Chloroform	ND	0.50	ug/L							
Chloromethane	ND	1.0	ug/L							
cis-1,2-Dichloroethene	ND	0.50	ug/L							
Dibromochloromethane	ND	0.50	ug/L							
Dichlorodifluoromethane	ND	0.50	ug/L							
Ethylbenzene	ND	0.50	ug/L							
m,p-Xylene	ND	1.0	ug/L							
Methylene chloride	ND	1.0	ug/L							
o-Xylene	ND	0.50	ug/L							
Tetrachloroethene	ND	0.50	ug/L							
Toluene	ND	0.50	ug/L							
trans-1,2-Dichloroethene	ND	0.50	ug/L							
Trichloroethene	ND	0.50	ug/L							
Trichlorofluoromethane	ND	0.50	ug/L							
Vinyl chloride	ND	0.50	ug/L							
Surrogate: 4-Bromofluorobenzene	*52.6*		*ug/L*	*50.00*		*105*	*70-130*			
Surrogate: Dibromofluoromethane	*48.1*		*ug/L*	*50.00*		*96*	*70-130*			
Surrogate: Toluene-d8	*50.0*		*ug/L*	*50.00*		*100*	*70-130*			

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0248
Date Received: 08/08/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2508191 - SW8260B										
Blank (2508191-BLK2)				Prepared: 08/19/2025 Analyzed: 08/21/2025						
1,1,1-Trichloroethane	ND	0.50	ug/L							
1,1,2-Trichlorotrifluoroethane	ND	5.0	ug/L							
1,1-Dichloroethane	ND	0.50	ug/L							
1,1-Dichloroethene	ND	0.50	ug/L							
1,2-Dichloroethane	ND	0.50	ug/L							
1,2-Dichloropropane	ND	0.50	ug/L							
2-Butanone (MEK)	ND	10	ug/L							
Acetone	ND	10	ug/L							
Benzene	ND	0.50	ug/L							
Bromodichloromethane	ND	0.50	ug/L							
Bromoform	ND	2.0	ug/L							
Carbon tetrachloride	ND	0.50	ug/L							
Chlorobenzene	ND	0.50	ug/L							
Chloroform	ND	0.50	ug/L							
Chloromethane	ND	1.0	ug/L							
cis-1,2-Dichloroethene	ND	0.50	ug/L							
Dibromochloromethane	ND	0.50	ug/L							
Dichlorodifluoromethane	ND	0.50	ug/L							
Ethylbenzene	ND	0.50	ug/L							
m,p-Xylene	ND	1.0	ug/L							
Methylene chloride	ND	1.0	ug/L							
o-Xylene	ND	0.50	ug/L							
Tetrachloroethene	ND	0.50	ug/L							
Toluene	ND	0.50	ug/L							
trans-1,2-Dichloroethene	ND	0.50	ug/L							
Trichloroethene	ND	0.50	ug/L							
Trichlorofluoromethane	ND	0.50	ug/L							
Vinyl chloride	ND	0.50	ug/L							
Surrogate: 4-Bromofluorobenzene	*55.6*		*ug/L*	*50.00*		*111*	*70-130*			
Surrogate: Dibromofluoromethane	*47.3*		*ug/L*	*50.00*		*95*	*70-130*			
Surrogate: Toluene-d8	*53.5*		*ug/L*	*50.00*		*107*	*70-130*			
LCS (2508191-BS1)				Prepared: 08/19/2025 Analyzed: 08/21/2025						
1,1-Dichloroethene	62	0.50	ug/L	50.00		124	70-130			
Benzene	53	0.50	ug/L	50.00		106	70-130			
Chlorobenzene	49	0.50	ug/L	50.00		98	70-130			
Toluene	50	0.50	ug/L	50.00		100	70-130			
Trichloroethene	50	0.50	ug/L	50.00		100	70-130			
Surrogate: 4-Bromofluorobenzene	*51.8*		*ug/L*	*50.00*		*104*	*70-130*			
Surrogate: Dibromofluoromethane	*48.6*		*ug/L*	*50.00*		*97*	*70-130*			
Surrogate: Toluene-d8	*51.3*		*ug/L*	*50.00*		*103*	*70-130*			

Turner Laboratories, Inc.

Date: 08/27/2025

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0248
Date Received: 08/08/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2508191 - SW8260B										
LCS (2508191-BS2)				Prepared: 08/19/2025 Analyzed: 08/22/2025						
1,1-Dichloroethene	48	0.50	ug/L	50.00		96	70-130			
Benzene	43	0.50	ug/L	50.00		86	70-130			
Chlorobenzene	42	0.50	ug/L	50.00		84	70-130			
Toluene	43	0.50	ug/L	50.00		86	70-130			
Trichloroethene	41	0.50	ug/L	50.00		82	70-130			
Surrogate: 4-Bromofluorobenzene	*52.5*		*ug/L*	*50.00*		*105*	*70-130*			
Surrogate: Dibromofluoromethane	*43.7*		*ug/L*	*50.00*		*87*	*70-130*			
Surrogate: Toluene-d8	*47.1*		*ug/L*	*50.00*		*94*	*70-130*			
LCS Dup (2508191-BSD1)				Prepared: 08/19/2025 Analyzed: 08/21/2025						
1,1-Dichloroethene	61	0.50	ug/L	50.00		121	70-130	3	30	
Benzene	53	0.50	ug/L	50.00		107	70-130	0.8	30	
Chlorobenzene	50	0.50	ug/L	50.00		100	70-130	1	30	
Toluene	52	0.50	ug/L	50.00		104	70-130	4	30	
Trichloroethene	50	0.50	ug/L	50.00		100	70-130	0.2	30	
Surrogate: 4-Bromofluorobenzene	*53.5*		*ug/L*	*50.00*		*107*	*70-130*			
Surrogate: Dibromofluoromethane	*48.0*		*ug/L*	*50.00*		*96*	*70-130*			
Surrogate: Toluene-d8	*51.0*		*ug/L*	*50.00*		*102*	*70-130*			
LCS Dup (2508191-BSD2)				Prepared: 08/19/2025 Analyzed: 08/22/2025						
1,1-Dichloroethene	54	0.50	ug/L	50.00		107	70-130	11	30	
Benzene	46	0.50	ug/L	50.00		93	70-130	7	30	
Chlorobenzene	45	0.50	ug/L	50.00		91	70-130	8	30	
Toluene	47	0.50	ug/L	50.00		93	70-130	8	30	
Trichloroethene	44	0.50	ug/L	50.00		89	70-130	8	30	
Surrogate: 4-Bromofluorobenzene	*51.2*		*ug/L*	*50.00*		*102*	*70-130*			
Surrogate: Dibromofluoromethane	*45.1*		*ug/L*	*50.00*		*90*	*70-130*			
Surrogate: Toluene-d8	*47.3*		*ug/L*	*50.00*		*95*	*70-130*			
Matrix Spike (2508191-MS1)		**Source: 25H0239-01**		Prepared: 08/19/2025 Analyzed: 08/22/2025						
1,1-Dichloroethene	51	0.50	ug/L	50.00	0.74	100	70-130			
Benzene	50	0.50	ug/L	50.00	0.18	99	70-130			
Chlorobenzene	46	0.50	ug/L	50.00	0.25	92	70-130			
Toluene	47	0.50	ug/L	50.00	0.22	94	70-130			
Trichloroethene	58	0.50	ug/L	50.00	63	NR	70-130			M2
Surrogate: 4-Bromofluorobenzene	*54.4*		*ug/L*	*50.00*		*109*	*70-130*			
Surrogate: Dibromofluoromethane	*48.5*		*ug/L*	*50.00*		*97*	*70-130*			
Surrogate: Toluene-d8	*50.4*		*ug/L*	*50.00*		*101*	*70-130*			
Matrix Spike (2508191-MS2)		**Source: 25H0239-10**		Prepared: 08/19/2025 Analyzed: 08/22/2025						
1,1-Dichloroethene	54	0.50	ug/L	50.00	0.82	107	70-130			
Benzene	50	0.50	ug/L	50.00	0.56	98	70-130			
Chlorobenzene	45	0.50	ug/L	50.00	0.52	88	70-130			
Toluene	46	0.50	ug/L	50.00	0.62	91	70-130			
Trichloroethene	55	0.50	ug/L	50.00	57	NR	70-130			M2
Surrogate: 4-Bromofluorobenzene	*53.8*		*ug/L*	*50.00*		*108*	*70-130*			
Surrogate: Dibromofluoromethane	*50.0*		*ug/L*	*50.00*		*100*	*70-130*			
Surrogate: Toluene-d8	*50.2*		*ug/L*	*50.00*		*100*	*70-130*			

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0248
Date Received: 08/08/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2508191 - SW8260B										
Matrix Spike (2508191-MS3)		**Source: 25H0249-06**		Prepared: 08/19/2025 Analyzed: 08/22/2025						
1,1-Dichloroethene	74	0.50	ug/L	50.00	0.37	146	70-130			M1
Benzene	66	0.50	ug/L	50.00	0.082	133	70-130			M1
Chlorobenzene	52	0.50	ug/L	50.00	0.15	103	70-130			
Toluene	52	0.50	ug/L	50.00	0.14	104	70-130			
Trichloroethene	80	0.50	ug/L	50.00	110	NR	70-130			M2
Surrogate: 4-Bromofluorobenzene	*55.0*		*ug/L*	*50.00*		*110*	*70-130*			
Surrogate: Dibromofluoromethane	*58.1*		*ug/L*	*50.00*		*116*	*70-130*			
Surrogate: Toluene-d8	*48.3*		*ug/L*	*50.00*		*97*	*70-130*			
Matrix Spike Dup (2508191-MSD1)		**Source: 25H0239-01**		Prepared: 08/19/2025 Analyzed: 08/22/2025						
1,1-Dichloroethene	59	0.50	ug/L	50.00	0.74	116	70-130	14	30	
Benzene	53	0.50	ug/L	50.00	0.18	105	70-130	6	30	
Chlorobenzene	49	0.50	ug/L	50.00	0.25	98	70-130	6	30	
Toluene	50	0.50	ug/L	50.00	0.22	101	70-130	6	30	
Trichloroethene	61	0.50	ug/L	50.00	63	NR	70-130	5	30	M2
Surrogate: 4-Bromofluorobenzene	*53.6*		*ug/L*	*50.00*		*107*	*70-130*			
Surrogate: Dibromofluoromethane	*47.2*		*ug/L*	*50.00*		*94*	*70-130*			
Surrogate: Toluene-d8	*50.3*		*ug/L*	*50.00*		*101*	*70-130*			
Matrix Spike Dup (2508191-MSD2)		**Source: 25H0239-10**		Prepared: 08/19/2025 Analyzed: 08/22/2025						
1,1-Dichloroethene	59	0.50	ug/L	50.00	0.82	116	70-130	8	30	
Benzene	55	0.50	ug/L	50.00	0.56	109	70-130	10	30	
Chlorobenzene	50	0.50	ug/L	50.00	0.52	99	70-130	11	30	
Toluene	50	0.50	ug/L	50.00	0.62	99	70-130	8	30	
Trichloroethene	60	0.50	ug/L	50.00	57	7	70-130	9	30	M2
Surrogate: 4-Bromofluorobenzene	*54.6*		*ug/L*	*50.00*		*109*	*70-130*			
Surrogate: Dibromofluoromethane	*49.5*		*ug/L*	*50.00*		*99*	*70-130*			
Surrogate: Toluene-d8	*50.1*		*ug/L*	*50.00*		*100*	*70-130*			
Matrix Spike Dup (2508191-MSD3)		**Source: 25H0249-06**		Prepared: 08/19/2025 Analyzed: 08/22/2025						
1,1-Dichloroethene	59	0.50	ug/L	50.00	0.37	117	70-130	22	30	
Benzene	54	0.50	ug/L	50.00	0.082	108	70-130	20	30	
Chlorobenzene	49	0.50	ug/L	50.00	0.15	98	70-130	5	30	
Toluene	51	0.50	ug/L	50.00	0.14	101	70-130	3	30	
Trichloroethene	71	0.50	ug/L	50.00	110	NR	70-130	12	30	M2
Surrogate: 4-Bromofluorobenzene	*54.1*		*ug/L*	*50.00*		*108*	*70-130*			
Surrogate: Dibromofluoromethane	*49.3*		*ug/L*	*50.00*		*99*	*70-130*			
Surrogate: Toluene-d8	*51.2*		*ug/L*	*50.00*		*102*	*70-130*			

TURNER LABORATORIES INC.
2445 N. Coyote Drive, Suite 104
Tucson, Arizona 85745
(520) 882-5880
Fax: (520) 882-9788
www.turnerlabs.com

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

TURNER WORK ORDER # 25HC248 DATE 8/8/25 PAGE 1 OF 1

PROJECT NAME TIA Routine OP # 12619196.5.5.7

CONTACT NAME : Justin Berkompas

COMPANY NAME : GHD Services, Inc.

ADDRESS :333 E Wetmore Rd. Suite 100

CITY Tucson STATE AZ ZIP CODE 85705

PHONE 720-974-0964 FAX

SAMPLER'S SIGNATURE

CIRCLE ANALYSIS REQUESTED AND/OR CHECK THE APPROPRIATE BOX

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX*	NUMBER OF CONTAINERS	8260
GW-080825-EH-91	08/08/25	1305		GW	3	X

1. RELINQUISHED BY:
Signature
Elyan Hareid
Printed Name
GHD Services Inc.
Firm
8/8/25 1400
Date/Time

2. RECEIVED BY:
Signature
Liam Biersdorf
Printed Name
GHD
Firm
8/8/25 1400
Date/Time

TURNAROUND REQUIREMENTS:
____Standard (approx.10 days)*
____Next day ____2 Day ____5 Day*
____ Email Preliminary Results To:
* Working Days

REPORT REQUIREMENTS:
____ I. Routine Report
____ II. Report (includes DUP,MS,MSD, as required, may be charged as samples)
____ III. Date Validation Report (Includes All Raw Data)
Add 10% to invoice

INVOICE INFORMATION:
Account ____ Y ____ N
P.O. # ____
Bill to: ____

SAMPLE RECEIPT:
IR #48
Total Containers 3
Temperature 3.0°C
☒ Wet Ice ☐ Blue Ice

3. RELINQUISHED BY:
Signature
Liam Biersdorf
Printed Name
GHD
Firm
8/8/25 1445
Date/Time

4. RECEIVED BY:
Signature
Christian Cervantes
Printed Name
TURNER LABORATORIES, INC.
Firm
8/8/25 1445
Date/Time

*LEGEND
DW = DRINKING WATER
GW = GROUNDWATER
SD = SOLID
SG = SLUDGE
SL = SOIL
ST = STORMWATER
WW = WASTEWATER

SPECIAL INSTRUCTIONS/COMMENTS:

Compliance Analysis:	☐ Yes ☐ No	Custody Seals	☐	Preservation Confirmation	☒
ADEQ Forms:	☐ Yes ☐ No	Container Intact	☒	Appropriate Head Space	☒
Mail ADEQ Forms:	☐ Yes ☐ No	COC/Labels Agree	☒	Received Within Hold Time	☒

August 27, 2025

Justin Berkompas
GHD Services, Inc. - Tucson
6700 N. Oracle Rd. Suite 238
Tucson, AZ 85704

TEL (520) 203-0701
FAX

Work Order No.: 25H0249
Order Name: TIA Routine OP
12619196.5.5.7

RE: TIA Routine Op

Dear Justin Berkompas,

Turner Laboratories, Inc. received 7 sample(s) on 08/08/2025 for the analyses presented in the following report.

All results are intended to be considered in their entirety, and Turner Laboratories, Inc. is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Samples will be disposed of 30 days after issue of our report unless special arrangements are made.

The pages that follow may contain sensitive, privileged or confidential information intended solely for the addressee named above. If you receive this message and are not the agent or employee of the addressee, this communication has been sent in error. Please do not disseminate or copy any of the attached and notify the sender immediately by telephone. Please also return the attached sheet(s) to the sender by mail.

Please call if you have any questions.

Respectfully submitted,

Turner Laboratories, Inc.
ADHS License AZ0066

Elizabeth Kasik
Laboratory Director

Turner Laboratories, Inc.

Date: 08/27/2025

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0249
Date Received: 08/08/2025

Order: TIA Routine OP 12619196.5.5.7

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date/Time
25H0249-01	GW-080725-EH-85	Ground Water	08/07/2025 0805
25H0249-02	GW-080725-EH-TB	Ground Water	08/07/2025 0805
25H0249-03	GW-080725-EH-86	Ground Water	08/07/2025 0915
25H0249-04	GW-080725-EH-87	Ground Water	08/07/2025 1105
25H0249-05	GW-080725-EH-88	Ground Water	08/07/2025 1205
25H0249-06	GW-080725-EH-89	Ground Water	08/07/2025 1500
25H0249-07	GW-080725-EH-90	Ground Water	08/07/2025 1510

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0249
Date Received: 08/08/2025

Case Narrative

M1 Matrix spike recovery was high; the associated LCS/LCSD was acceptable.

M2 Matrix spike recovery was low; the associated LCS/LCSD was acceptable.

All soil, sludge, and solid matrix determinations are reported on a wet weight basis unless otherwise noted.

ND Not Detected at or above the PQL

PQL Practical Quantitation Limit

DF Dilution Factor

Turner Laboratories, Inc.

Date: 08/27/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-080725-EH-85
Project:	TIA Routine Op	**Collection Date/Time:**	08/07/2025 0805
Work Order:	25H0249	**Matrix:**	Ground Water
Lab Sample ID:	25H0249-01	**Order Name:**	TIA Routine OP 12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1757	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/19/2025 1028	08/21/2025 1757	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1757	PB
1,1-Dichloroethene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1757	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1757	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1757	PB
2-Butanone (MEK)	ND	10		ug/L	1	08/19/2025 1028	08/21/2025 1757	PB
Acetone	ND	10		ug/L	1	08/19/2025 1028	08/21/2025 1757	PB
Benzene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1757	PB
Bromodichloromethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1757	PB
Bromoform	ND	2.0		ug/L	1	08/19/2025 1028	08/21/2025 1757	PB
Carbon tetrachloride	7.8	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1757	PB
Chlorobenzene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1757	PB
Chloroform	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1757	PB
Chloromethane	ND	1.0		ug/L	1	08/19/2025 1028	08/21/2025 1757	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1757	PB
Dibromochloromethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1757	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1757	PB
Ethylbenzene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1757	PB
m,p-Xylene	ND	1.0		ug/L	1	08/19/2025 1028	08/21/2025 1757	PB
Methylene chloride	ND	1.0		ug/L	1	08/19/2025 1028	08/21/2025 1757	PB
o-Xylene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1757	PB
Tetrachloroethene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1757	PB
Toluene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1757	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1757	PB
Trichloroethene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1757	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1757	PB
Vinyl chloride	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1757	PB
Surr: 4-Bromofluorobenzene	*110*	*70-130*		*%REC*	*1*	*08/19/2025 1028*	*08/21/2025 1757*	*PB*
Surr: Dibromofluoromethane	*93*	*70-130*		*%REC*	*1*	*08/19/2025 1028*	*08/21/2025 1757*	*PB*
Surr: Toluene-d8	*104*	*70-130*		*%REC*	*1*	*08/19/2025 1028*	*08/21/2025 1757*	*PB*

Turner Laboratories, Inc.

Date: 08/27/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-080725-EH-TB
Project:	TIA Routine Op	**Collection Date/Time:**	08/07/2025 0805
Work Order:	25H0249	**Matrix:**	Ground Water
Lab Sample ID:	25H0249-02	**Order Name:**	TIA Routine OP 12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 0542	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/19/2025 1028	08/21/2025 0542	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 0542	PB
1,1-Dichloroethene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 0542	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 0542	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 0542	PB
2-Butanone (MEK)	ND	10		ug/L	1	08/19/2025 1028	08/21/2025 0542	PB
Acetone	ND	10		ug/L	1	08/19/2025 1028	08/21/2025 0542	PB
Benzene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 0542	PB
Bromodichloromethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 0542	PB
Bromoform	ND	2.0		ug/L	1	08/19/2025 1028	08/21/2025 0542	PB
Carbon tetrachloride	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 0542	PB
Chlorobenzene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 0542	PB
Chloroform	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 0542	PB
Chloromethane	ND	1.0		ug/L	1	08/19/2025 1028	08/21/2025 0542	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 0542	PB
Dibromochloromethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 0542	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 0542	PB
Ethylbenzene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 0542	PB
m,p-Xylene	ND	1.0		ug/L	1	08/19/2025 1028	08/21/2025 0542	PB
Methylene chloride	ND	1.0		ug/L	1	08/19/2025 1028	08/21/2025 0542	PB
o-Xylene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 0542	PB
Tetrachloroethene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 0542	PB
Toluene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 0542	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 0542	PB
Trichloroethene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 0542	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 0542	PB
Vinyl chloride	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 0542	PB
Surr: 4-Bromofluorobenzene	*111*	*70-130*		*%REC*	*1*	*08/19/2025 1028*	*08/21/2025 542*	*PB*
Surr: Dibromofluoromethane	*94*	*70-130*		*%REC*	*1*	*08/19/2025 1028*	*08/21/2025 542*	*PB*
Surr: Toluene-d8	*105*	*70-130*		*%REC*	*1*	*08/19/2025 1028*	*08/21/2025 542*	*PB*

Turner Laboratories, Inc.

Date: 08/27/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-080725-EH-86
Project:	TIA Routine Op	**Collection Date/Time:**	08/07/2025 0915
Work Order:	25H0249	**Matrix:**	Ground Water
Lab Sample ID:	25H0249-03	**Order Name:**	TIA Routine OP 12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1833	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/19/2025 1028	08/21/2025 1833	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1833	PB
1,1-Dichloroethene	0.59	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1833	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1833	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1833	PB
2-Butanone (MEK)	ND	10		ug/L	1	08/19/2025 1028	08/21/2025 1833	PB
Acetone	ND	10		ug/L	1	08/19/2025 1028	08/21/2025 1833	PB
Benzene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1833	PB
Bromodichloromethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1833	PB
Bromoform	ND	2.0		ug/L	1	08/19/2025 1028	08/21/2025 1833	PB
Carbon tetrachloride	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1833	PB
Chlorobenzene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1833	PB
Chloroform	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1833	PB
Chloromethane	ND	1.0		ug/L	1	08/19/2025 1028	08/21/2025 1833	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1833	PB
Dibromochloromethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1833	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1833	PB
Ethylbenzene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1833	PB
m,p-Xylene	ND	1.0		ug/L	1	08/19/2025 1028	08/21/2025 1833	PB
Methylene chloride	ND	1.0		ug/L	1	08/19/2025 1028	08/21/2025 1833	PB
o-Xylene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1833	PB
Tetrachloroethene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1833	PB
Toluene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1833	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1833	PB
Trichloroethene	5.1	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1833	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1833	PB
Vinyl chloride	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1833	PB
Surr: 4-Bromofluorobenzene	*108*	*70-130*		*%REC*	*1*	*08/19/2025 1028*	*08/21/2025 1833*	*PB*
Surr: Dibromofluoromethane	*89*	*70-130*		*%REC*	*1*	*08/19/2025 1028*	*08/21/2025 1833*	*PB*
Surr: Toluene-d8	*101*	*70-130*		*%REC*	*1*	*08/19/2025 1028*	*08/21/2025 1833*	*PB*

Turner Laboratories, Inc.

Date: 08/27/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-080725-EH-87
Project:	TIA Routine Op	**Collection Date/Time:**	08/07/2025 1105
Work Order:	25H0249	**Matrix:**	Ground Water
Lab Sample ID:	25H0249-04	**Order Name:**	TIA Routine OP 12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1910	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/19/2025 1028	08/21/2025 1910	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1910	PB
1,1-Dichloroethene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1910	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1910	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1910	PB
2-Butanone (MEK)	ND	10		ug/L	1	08/19/2025 1028	08/21/2025 1910	PB
Acetone	ND	10		ug/L	1	08/19/2025 1028	08/21/2025 1910	PB
Benzene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1910	PB
Bromodichloromethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1910	PB
Bromoform	ND	2.0		ug/L	1	08/19/2025 1028	08/21/2025 1910	PB
Carbon tetrachloride	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1910	PB
Chlorobenzene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1910	PB
Chloroform	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1910	PB
Chloromethane	ND	1.0		ug/L	1	08/19/2025 1028	08/21/2025 1910	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1910	PB
Dibromochloromethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1910	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1910	PB
Ethylbenzene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1910	PB
m,p-Xylene	ND	1.0		ug/L	1	08/19/2025 1028	08/21/2025 1910	PB
Methylene chloride	ND	1.0		ug/L	1	08/19/2025 1028	08/21/2025 1910	PB
o-Xylene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1910	PB
Tetrachloroethene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1910	PB
Toluene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1910	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1910	PB
Trichloroethene	3.7	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1910	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1910	PB
Vinyl chloride	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1910	PB
Surr: 4-Bromofluorobenzene	*107*	*70-130*		*%REC*	*1*	*08/19/2025 1028*	*08/21/2025 1910*	*PB*
Surr: Dibromofluoromethane	*91*	*70-130*		*%REC*	*1*	*08/19/2025 1028*	*08/21/2025 1910*	*PB*
Surr: Toluene-d8	*103*	*70-130*		*%REC*	*1*	*08/19/2025 1028*	*08/21/2025 1910*	*PB*

Turner Laboratories, Inc.

Date: 08/27/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-080725-EH-88
Project:	TIA Routine Op	**Collection Date/Time:**	08/07/2025 1205
Work Order:	25H0249	**Matrix:**	Ground Water
Lab Sample ID:	25H0249-05	**Order Name:**	TIA Routine OP 12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1946	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/19/2025 1028	08/21/2025 1946	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1946	PB
1,1-Dichloroethene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1946	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1946	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1946	PB
2-Butanone (MEK)	ND	10		ug/L	1	08/19/2025 1028	08/21/2025 1946	PB
Acetone	ND	10		ug/L	1	08/19/2025 1028	08/21/2025 1946	PB
Benzene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1946	PB
Bromodichloromethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1946	PB
Bromoform	ND	2.0		ug/L	1	08/19/2025 1028	08/21/2025 1946	PB
Carbon tetrachloride	6.6	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1946	PB
Chlorobenzene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1946	PB
Chloroform	0.57	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1946	PB
Chloromethane	ND	1.0		ug/L	1	08/19/2025 1028	08/21/2025 1946	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1946	PB
Dibromochloromethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1946	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1946	PB
Ethylbenzene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1946	PB
m,p-Xylene	ND	1.0		ug/L	1	08/19/2025 1028	08/21/2025 1946	PB
Methylene chloride	ND	1.0		ug/L	1	08/19/2025 1028	08/21/2025 1946	PB
o-Xylene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1946	PB
Tetrachloroethene	3.3	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1946	PB
Toluene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1946	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1946	PB
Trichloroethene	0.92	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1946	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1946	PB
Vinyl chloride	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 1946	PB
Surr: 4-Bromofluorobenzene	*108*	*70-130*		*%REC*	*1*	*08/19/2025 1028*	*08/21/2025 1946*	*PB*
Surr: Dibromofluoromethane	*92*	*70-130*		*%REC*	*1*	*08/19/2025 1028*	*08/21/2025 1946*	*PB*
Surr: Toluene-d8	*101*	*70-130*		*%REC*	*1*	*08/19/2025 1028*	*08/21/2025 1946*	*PB*

Turner Laboratories, Inc.

Date: 08/27/2025

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0249
Lab Sample ID: 25H0249-06

Client Sample ID: GW-080725-EH-89
Collection Date/Time: 08/07/2025 1500
Matrix: Ground Water
Order Name: TIA Routine OP 12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	2.5		ug/L	5	08/19/2025 1028	08/21/2025 0806	PB
1,1,2-Trichlorotrifluoroethane	ND	25		ug/L	5	08/19/2025 1028	08/21/2025 0806	PB
1,1-Dichloroethane	ND	2.5		ug/L	5	08/19/2025 1028	08/21/2025 0806	PB
1,1-Dichloroethene	ND	2.5	M1	ug/L	5	08/19/2025 1028	08/21/2025 0806	PB
1,2-Dichloroethane	ND	2.5		ug/L	5	08/19/2025 1028	08/21/2025 0806	PB
1,2-Dichloropropane	ND	2.5		ug/L	5	08/19/2025 1028	08/21/2025 0806	PB
2-Butanone (MEK)	ND	50		ug/L	5	08/19/2025 1028	08/21/2025 0806	PB
Acetone	ND	50		ug/L	5	08/19/2025 1028	08/21/2025 0806	PB
Benzene	ND	2.5		ug/L	5	08/19/2025 1028	08/21/2025 0806	PB
Bromodichloromethane	ND	2.5		ug/L	5	08/19/2025 1028	08/21/2025 0806	PB
Bromoform	ND	10		ug/L	5	08/19/2025 1028	08/21/2025 0806	PB
Carbon tetrachloride	ND	2.5		ug/L	5	08/19/2025 1028	08/21/2025 0806	PB
Chlorobenzene	ND	2.5		ug/L	5	08/19/2025 1028	08/21/2025 0806	PB
Chloroform	ND	2.5		ug/L	5	08/19/2025 1028	08/21/2025 0806	PB
Chloromethane	ND	5.0		ug/L	5	08/19/2025 1028	08/21/2025 0806	PB
cis-1,2-Dichloroethene	ND	2.5		ug/L	5	08/19/2025 1028	08/21/2025 0806	PB
Dibromochloromethane	ND	2.5		ug/L	5	08/19/2025 1028	08/21/2025 0806	PB
Dichlorodifluoromethane	ND	2.5		ug/L	5	08/19/2025 1028	08/21/2025 0806	PB
Ethylbenzene	ND	2.5		ug/L	5	08/19/2025 1028	08/21/2025 0806	PB
m,p-Xylene	ND	5.0		ug/L	5	08/19/2025 1028	08/21/2025 0806	PB
Methylene chloride	ND	5.0		ug/L	5	08/19/2025 1028	08/21/2025 0806	PB
o-Xylene	ND	2.5		ug/L	5	08/19/2025 1028	08/21/2025 0806	PB
Tetrachloroethene	140	2.5		ug/L	5	08/19/2025 1028	08/21/2025 0806	PB
Toluene	ND	2.5		ug/L	5	08/19/2025 1028	08/21/2025 0806	PB
trans-1,2-Dichloroethene	ND	2.5		ug/L	5	08/19/2025 1028	08/21/2025 0806	PB
Trichloroethene	110	2.5	M2	ug/L	5	08/19/2025 1028	08/21/2025 0806	PB
Trichlorofluoromethane	ND	2.5		ug/L	5	08/19/2025 1028	08/21/2025 0806	PB
Vinyl chloride	ND	2.5		ug/L	5	08/19/2025 1028	08/21/2025 0806	PB
Surr: 4-Bromofluorobenzene	*109*	*70-130*		*%REC*	*1*	*08/19/2025 1028*	*08/21/2025 806*	*PB*
Surr: Dibromofluoromethane	*96*	*70-130*		*%REC*	*1*	*08/19/2025 1028*	*08/21/2025 806*	*PB*
Surr: Toluene-d8	*105*	*70-130*		*%REC*	*1*	*08/19/2025 1028*	*08/21/2025 806*	*PB*

Turner Laboratories, Inc.

Date: 08/27/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-080725-EH-90
Project:	TIA Routine Op	**Collection Date/Time:**	08/07/2025 1510
Work Order:	25H0249	**Matrix:**	Ground Water
Lab Sample ID:	25H0249-07	**Order Name:**	TIA Routine OP 12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2209	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/19/2025 1028	08/21/2025 2209	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2209	PB
1,1-Dichloroethene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2209	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2209	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2209	PB
2-Butanone (MEK)	ND	10		ug/L	1	08/19/2025 1028	08/21/2025 2209	PB
Acetone	ND	10		ug/L	1	08/19/2025 1028	08/21/2025 2209	PB
Benzene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2209	PB
Bromodichloromethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2209	PB
Bromoform	ND	2.0		ug/L	1	08/19/2025 1028	08/21/2025 2209	PB
Carbon tetrachloride	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2209	PB
Chlorobenzene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2209	PB
Chloroform	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2209	PB
Chloromethane	ND	1.0		ug/L	1	08/19/2025 1028	08/21/2025 2209	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2209	PB
Dibromochloromethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2209	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2209	PB
Ethylbenzene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2209	PB
m,p-Xylene	ND	1.0		ug/L	1	08/19/2025 1028	08/21/2025 2209	PB
Methylene chloride	ND	1.0		ug/L	1	08/19/2025 1028	08/21/2025 2209	PB
o-Xylene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2209	PB
Tetrachloroethene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2209	PB
Toluene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2209	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2209	PB
Trichloroethene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2209	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2209	PB
Vinyl chloride	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2209	PB
Surr: 4-Bromofluorobenzene	*109*	*70-130*		*%REC*	*1*	*08/19/2025 1028*	*08/21/2025 2209*	*PB*
Surr: Dibromofluoromethane	*93*	*70-130*		*%REC*	*1*	*08/19/2025 1028*	*08/21/2025 2209*	*PB*
Surr: Toluene-d8	*105*	*70-130*		*%REC*	*1*	*08/19/2025 1028*	*08/21/2025 2209*	*PB*

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0249
Date Received: 08/08/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2508191 - SW8260B										
Blank (2508191-BLK1)				Prepared: 08/19/2025 Analyzed: 08/21/2025						
1,1,1-Trichloroethane	ND	0.50	ug/L							
1,1,2-Trichlorotrifluoroethane	ND	5.0	ug/L							
1,1-Dichloroethane	ND	0.50	ug/L							
1,1-Dichloroethene	ND	0.50	ug/L							
1,2-Dichloroethane	ND	0.50	ug/L							
1,2-Dichloropropane	ND	0.50	ug/L							
2-Butanone (MEK)	ND	10	ug/L							
Acetone	ND	10	ug/L							
Benzene	ND	0.50	ug/L							
Bromodichloromethane	ND	0.50	ug/L							
Bromoform	ND	2.0	ug/L							
Carbon tetrachloride	ND	0.50	ug/L							
Chlorobenzene	ND	0.50	ug/L							
Chloroform	ND	0.50	ug/L							
Chloromethane	ND	1.0	ug/L							
cis-1,2-Dichloroethene	ND	0.50	ug/L							
Dibromochloromethane	ND	0.50	ug/L							
Dichlorodifluoromethane	ND	0.50	ug/L							
Ethylbenzene	ND	0.50	ug/L							
m,p-Xylene	ND	1.0	ug/L							
Methylene chloride	ND	1.0	ug/L							
o-Xylene	ND	0.50	ug/L							
Tetrachloroethene	ND	0.50	ug/L							
Toluene	ND	0.50	ug/L							
trans-1,2-Dichloroethene	ND	0.50	ug/L							
Trichloroethene	ND	0.50	ug/L							
Trichlorofluoromethane	ND	0.50	ug/L							
Vinyl chloride	ND	0.50	ug/L							
Surrogate: 4-Bromofluorobenzene	*52.6*		*ug/L*	*50.00*		*105*	*70-130*			
Surrogate: Dibromofluoromethane	*48.1*		*ug/L*	*50.00*		*96*	*70-130*			
Surrogate: Toluene-d8	*50.0*		*ug/L*	*50.00*		*100*	*70-130*			

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0249
Date Received: 08/08/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2508191 - SW8260B										
Blank (2508191-BLK2)				Prepared: 08/19/2025 Analyzed: 08/21/2025						
1,1,1-Trichloroethane	ND	0.50	ug/L							
1,1,2-Trichlorotrifluoroethane	ND	5.0	ug/L							
1,1-Dichloroethane	ND	0.50	ug/L							
1,1-Dichloroethene	ND	0.50	ug/L							
1,2-Dichloroethane	ND	0.50	ug/L							
1,2-Dichloropropane	ND	0.50	ug/L							
2-Butanone (MEK)	ND	10	ug/L							
Acetone	ND	10	ug/L							
Benzene	ND	0.50	ug/L							
Bromodichloromethane	ND	0.50	ug/L							
Bromoform	ND	2.0	ug/L							
Carbon tetrachloride	ND	0.50	ug/L							
Chlorobenzene	ND	0.50	ug/L							
Chloroform	ND	0.50	ug/L							
Chloromethane	ND	1.0	ug/L							
cis-1,2-Dichloroethene	ND	0.50	ug/L							
Dibromochloromethane	ND	0.50	ug/L							
Dichlorodifluoromethane	ND	0.50	ug/L							
Ethylbenzene	ND	0.50	ug/L							
m,p-Xylene	ND	1.0	ug/L							
Methylene chloride	ND	1.0	ug/L							
o-Xylene	ND	0.50	ug/L							
Tetrachloroethene	ND	0.50	ug/L							
Toluene	ND	0.50	ug/L							
trans-1,2-Dichloroethene	ND	0.50	ug/L							
Trichloroethene	ND	0.50	ug/L							
Trichlorofluoromethane	ND	0.50	ug/L							
Vinyl chloride	ND	0.50	ug/L							
Surrogate: 4-Bromofluorobenzene	*55.6*		*ug/L*	*50.00*		*111*	*70-130*			
Surrogate: Dibromofluoromethane	*47.3*		*ug/L*	*50.00*		*95*	*70-130*			
Surrogate: Toluene-d8	*53.5*		*ug/L*	*50.00*		*107*	*70-130*			
LCS (2508191-BS1)				Prepared: 08/19/2025 Analyzed: 08/21/2025						
1,1-Dichloroethene	62	0.50	ug/L	50.00		124	70-130			
Benzene	53	0.50	ug/L	50.00		106	70-130			
Chlorobenzene	49	0.50	ug/L	50.00		98	70-130			
Toluene	50	0.50	ug/L	50.00		100	70-130			
Trichloroethene	50	0.50	ug/L	50.00		100	70-130			
Surrogate: 4-Bromofluorobenzene	*51.8*		*ug/L*	*50.00*		*104*	*70-130*			
Surrogate: Dibromofluoromethane	*48.6*		*ug/L*	*50.00*		*97*	*70-130*			
Surrogate: Toluene-d8	*51.3*		*ug/L*	*50.00*		*103*	*70-130*			

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0249
Date Received: 08/08/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2508191 - SW8260B										
LCS (2508191-BS2)				Prepared: 08/19/2025 Analyzed: 08/22/2025						
1,1-Dichloroethene	48	0.50	ug/L	50.00		96	70-130			
Benzene	43	0.50	ug/L	50.00		86	70-130			
Chlorobenzene	42	0.50	ug/L	50.00		84	70-130			
Toluene	43	0.50	ug/L	50.00		86	70-130			
Trichloroethene	41	0.50	ug/L	50.00		82	70-130			
Surrogate: 4-Bromofluorobenzene	*52.5*		*ug/L*	*50.00*		*105*	*70-130*			
Surrogate: Dibromofluoromethane	*43.7*		*ug/L*	*50.00*		*87*	*70-130*			
Surrogate: Toluene-d8	*47.1*		*ug/L*	*50.00*		*94*	*70-130*			
LCS Dup (2508191-BSD1)				Prepared: 08/19/2025 Analyzed: 08/21/2025						
1,1-Dichloroethene	61	0.50	ug/L	50.00		121	70-130	3	30	
Benzene	53	0.50	ug/L	50.00		107	70-130	0.8	30	
Chlorobenzene	50	0.50	ug/L	50.00		100	70-130	1	30	
Toluene	52	0.50	ug/L	50.00		104	70-130	4	30	
Trichloroethene	50	0.50	ug/L	50.00		100	70-130	0.2	30	
Surrogate: 4-Bromofluorobenzene	*53.5*		*ug/L*	*50.00*		*107*	*70-130*			
Surrogate: Dibromofluoromethane	*48.0*		*ug/L*	*50.00*		*96*	*70-130*			
Surrogate: Toluene-d8	*51.0*		*ug/L*	*50.00*		*102*	*70-130*			
LCS Dup (2508191-BSD2)				Prepared: 08/19/2025 Analyzed: 08/22/2025						
1,1-Dichloroethene	54	0.50	ug/L	50.00		107	70-130	11	30	
Benzene	46	0.50	ug/L	50.00		93	70-130	7	30	
Chlorobenzene	45	0.50	ug/L	50.00		91	70-130	8	30	
Toluene	47	0.50	ug/L	50.00		93	70-130	8	30	
Trichloroethene	44	0.50	ug/L	50.00		89	70-130	8	30	
Surrogate: 4-Bromofluorobenzene	*51.2*		*ug/L*	*50.00*		*102*	*70-130*			
Surrogate: Dibromofluoromethane	*45.1*		*ug/L*	*50.00*		*90*	*70-130*			
Surrogate: Toluene-d8	*47.3*		*ug/L*	*50.00*		*95*	*70-130*			
Matrix Spike (2508191-MS1)		**Source: 25H0239-01**		Prepared: 08/19/2025 Analyzed: 08/22/2025						
1,1-Dichloroethene	51	0.50	ug/L	50.00	0.74	100	70-130			
Benzene	50	0.50	ug/L	50.00	0.18	99	70-130			
Chlorobenzene	46	0.50	ug/L	50.00	0.25	92	70-130			
Toluene	47	0.50	ug/L	50.00	0.22	94	70-130			
Trichloroethene	58	0.50	ug/L	50.00	63	NR	70-130			M2
Surrogate: 4-Bromofluorobenzene	*54.4*		*ug/L*	*50.00*		*109*	*70-130*			
Surrogate: Dibromofluoromethane	*48.5*		*ug/L*	*50.00*		*97*	*70-130*			
Surrogate: Toluene-d8	*50.4*		*ug/L*	*50.00*		*101*	*70-130*			
Matrix Spike (2508191-MS2)		**Source: 25H0239-10**		Prepared: 08/19/2025 Analyzed: 08/22/2025						
1,1-Dichloroethene	54	0.50	ug/L	50.00	0.82	107	70-130			
Benzene	50	0.50	ug/L	50.00	0.56	98	70-130			
Chlorobenzene	45	0.50	ug/L	50.00	0.52	88	70-130			
Toluene	46	0.50	ug/L	50.00	0.62	91	70-130			
Trichloroethene	55	0.50	ug/L	50.00	57	NR	70-130			M2
Surrogate: 4-Bromofluorobenzene	*53.8*		*ug/L*	*50.00*		*108*	*70-130*			
Surrogate: Dibromofluoromethane	*50.0*		*ug/L*	*50.00*		*100*	*70-130*			
Surrogate: Toluene-d8	*50.2*		*ug/L*	*50.00*		*100*	*70-130*			

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0249
Date Received: 08/08/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2508191 - SW8260B										
Matrix Spike (2508191-MS3)	**Source: 25H0249-06**			Prepared: 08/19/2025 Analyzed: 08/22/2025						
1,1-Dichloroethene	74	0.50	ug/L	50.00	0.37	146	70-130			M1
Benzene	66	0.50	ug/L	50.00	0.082	133	70-130			M1
Chlorobenzene	52	0.50	ug/L	50.00	0.15	103	70-130			
Toluene	52	0.50	ug/L	50.00	0.14	104	70-130			
Trichloroethene	80	0.50	ug/L	50.00	110	NR	70-130			M2
Surrogate: 4-Bromofluorobenzene	*55.0*		*ug/L*	*50.00*		*110*	*70-130*			
Surrogate: Dibromofluoromethane	*58.1*		*ug/L*	*50.00*		*116*	*70-130*			
Surrogate: Toluene-d8	*48.3*		*ug/L*	*50.00*		*97*	*70-130*			
Matrix Spike Dup (2508191-MSD1)	**Source: 25H0239-01**			Prepared: 08/19/2025 Analyzed: 08/22/2025						
1,1-Dichloroethene	59	0.50	ug/L	50.00	0.74	116	70-130	14	30	
Benzene	53	0.50	ug/L	50.00	0.18	105	70-130	6	30	
Chlorobenzene	49	0.50	ug/L	50.00	0.25	98	70-130	6	30	
Toluene	50	0.50	ug/L	50.00	0.22	101	70-130	6	30	
Trichloroethene	61	0.50	ug/L	50.00	63	NR	70-130	5	30	M2
Surrogate: 4-Bromofluorobenzene	*53.6*		*ug/L*	*50.00*		*107*	*70-130*			
Surrogate: Dibromofluoromethane	*47.2*		*ug/L*	*50.00*		*94*	*70-130*			
Surrogate: Toluene-d8	*50.3*		*ug/L*	*50.00*		*101*	*70-130*			
Matrix Spike Dup (2508191-MSD2)	**Source: 25H0239-10**			Prepared: 08/19/2025 Analyzed: 08/22/2025						
1,1-Dichloroethene	59	0.50	ug/L	50.00	0.82	116	70-130	8	30	
Benzene	55	0.50	ug/L	50.00	0.56	109	70-130	10	30	
Chlorobenzene	50	0.50	ug/L	50.00	0.52	99	70-130	11	30	
Toluene	50	0.50	ug/L	50.00	0.62	99	70-130	8	30	
Trichloroethene	60	0.50	ug/L	50.00	57	7	70-130	9	30	M2
Surrogate: 4-Bromofluorobenzene	*54.6*		*ug/L*	*50.00*		*109*	*70-130*			
Surrogate: Dibromofluoromethane	*49.5*		*ug/L*	*50.00*		*99*	*70-130*			
Surrogate: Toluene-d8	*50.1*		*ug/L*	*50.00*		*100*	*70-130*			
Matrix Spike Dup (2508191-MSD3)	**Source: 25H0249-06**			Prepared: 08/19/2025 Analyzed: 08/22/2025						
1,1-Dichloroethene	59	0.50	ug/L	50.00	0.37	117	70-130	22	30	
Benzene	54	0.50	ug/L	50.00	0.082	108	70-130	20	30	
Chlorobenzene	49	0.50	ug/L	50.00	0.15	98	70-130	5	30	
Toluene	51	0.50	ug/L	50.00	0.14	101	70-130	3	30	
Trichloroethene	71	0.50	ug/L	50.00	110	NR	70-130	12	30	M2
Surrogate: 4-Bromofluorobenzene	*54.1*		*ug/L*	*50.00*		*108*	*70-130*			
Surrogate: Dibromofluoromethane	*49.3*		*ug/L*	*50.00*		*99*	*70-130*			
Surrogate: Toluene-d8	*51.2*		*ug/L*	*50.00*		*102*	*70-130*			

WER-3/S-17

TURNER LABORATORIES INC.
2445 N. Coyote Drive, Suite 104
Tucson, Arizona 85745
(520) 882-5880
Fax: (520) 882-9788
www.turnerlabs.com

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

TURNER WORK ORDER # 25H0299 DATE 8/8/25 PAGE 1 OF 1

PROJECT NAME TIA Routine OP # 12619196.5.5.7
CONTACT NAME : Justin Berkompas
COMPANY NAME : GHD Services, Inc.
ADDRESS :333 E Wetmore Rd. Suite 100
CITY Tucson STATE AZ ZIP CODE 85705
PHONE 720-974-0964 FAX
SAMPLER'S SIGNATURE [signature]

CIRCLE ANALYSIS REQUESTED AND/OR CHECK THE APPROPRIATE BOX

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX*	NUMBER OF CONTAINERS	8260	Anticipate High results
GW-080725-EH-85	08/07/25	0805		GW	3	X	
GW-080725-EH-TB	08/07/25	0805		GW	1		
GW-080725-EH-86	08/07/25	0915		GW	3		
GW-080725-EH-87	08/07/25	1105		GW			
GW-080725-EH-88	08/07/25	1205		GW			
GW-080725-EH-89	08/07/25	1500		GW			X
GW-080725-EH-90	08/07/25	1510		GW			

1. RELINQUISHED BY: [signature]
Signature
Elyah Hareid
Printed Name
GHD Services Inc.
Firm
8/8/25 1400
Date/Time

2. RECEIVED BY: [signature]
Signature
Liam Giersdorf
Printed Name
GHD
Firm
8/8/25 1400
Date/Time

TURNAROUND REQUIREMENTS:
____ Standard (approx.10 days)*
____ Next day ____ 2 Day ____ 5 Day*
____ Email Preliminary Results To:
* Working Days

REPORT REQUIREMENTS:
____ I. Routine Report
____ II. Report (includes DUP,MS,MSD, as required, may be charged as samples)
____ III. Date Validation Report (includes All Raw Data)
Add 10% to invoice

INVOICE INFORMATION:
Account ____ Y ____ N
P.O. # ____
Bill to: ____

SAMPLE RECEIPT:
CR #48
Total Containers 14
Temperature 9.0°C
☒ Wet Ice ☐ Blue Ice

3. RELINQUISHED BY: [signature]
Signature
Liam Giersdorf
Printed Name
GHD
Firm
8/8/25 1445
Date/Time

4. RECEIVED BY: [signature]
Signature
Christian Contreras
Printed Name
TURNER LABORATORIES, INC.
Firm
8/8/25 1445
Date/Time

*LEGEND
DW = DRINKING WATER
GW = GROUNDWATER
SD = SOLID
SG = SLUDGE
SL = SOIL
ST = STORMWATER
WW = WASTEWATER

SPECIAL INSTRUCTIONS/COMMENTS:

Compliance Analysis:	☐ Yes	☐ No	Custody Seals	☐	Preservation Confirmation	☒
ADEQ Forms:	☐ Yes	☐ No	Container Intact	☒	Appropriate Head Space	☒
Mail ADEQ Forms:	☐ Yes	☐ No	COC/Labels Agree	☒	Received Within Hold Time	☒

September 04, 2025

Justin Berkompas
GHD Services, Inc. - Tucson
6700 N. Oracle Rd. Suite 238
Tucson, AZ 85704

TEL (520) 203-0701
FAX

Work Order No.: 25H0461
Order Name: 12619196.5.5.7

RE: TIA Routine Op

Dear Justin Berkompas,

Turner Laboratories, Inc. received 10 sample(s) on 08/18/2025 for the analyses presented in the following report.

All results are intended to be considered in their entirety, and Turner Laboratories, Inc. is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Samples will be disposed of 30 days after issue of our report unless special arrangements are made.

The pages that follow may contain sensitive, privileged or confidential information intended solely for the addressee named above. If you receive this message and are not the agent or employee of the addressee, this communication has been sent in error. Please do not disseminate or copy any of the attached and notify the sender immediately by telephone. Please also return the attached sheet(s) to the sender by mail.

Please call if you have any questions.

Respectfully submitted,

Turner Laboratories, Inc.
ADHS License AZ0066

Elizabeth Kasik
Laboratory Director

Turner Laboratories, Inc.

Date: 09/04/2025

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0461
Date Received: 08/18/2025

Order: 12619196.5.5.7

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date/Time
25H0461-01	GW-081525-EH-106	Ground Water	08/15/2025 0825
25H0461-02	GW-081525-EH-TB	Ground Water	08/15/2025 0825
25H0461-03	GW-081525-EH-107	Ground Water	08/15/2025 0835
25H0461-04	GW-081525-EH-108	Ground Water	08/15/2025 0945
25H0461-05	GW-081525-EH-109	Ground Water	08/15/2025 1105
25H0461-06	GW-081525-EH-110	Ground Water	08/15/2025 1215
25H0461-07	GW-081825-EH-111	Ground Water	08/18/2025 0815
25H0461-08	GW-081825-EH-112	Ground Water	08/18/2025 0915
25H0461-09	GW-081825-EH-113	Ground Water	08/18/2025 1045
25H0461-10	GW-081825-EH-114	Ground Water	08/18/2025 1155

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0461
Date Received: 08/18/2025

Case Narrative

This report was revised to correct the sample time for GW-081525-EH-109.

All soil, sludge, and solid matrix determinations are reported on a wet weight basis unless otherwise noted.

ND	Not Detected at or above the PQL
PQL	Practical Quantitation Limit
DF	Dilution Factor

Turner Laboratories, Inc.

Date: 09/04/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-081525-EH-106
Project:	TIA Routine Op	**Collection Date/Time:**	08/15/2025 0825
Work Order:	25H0461	**Matrix:**	Ground Water
Lab Sample ID:	25H0461-01	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2056	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/28/2025 1122	08/28/2025 2056	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2056	KP
1,1-Dichloroethene	1.0	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2056	KP
1,2-Dichloroethane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2056	KP
1,2-Dichloropropane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2056	KP
2-Butanone (MEK)	ND	10		ug/L	1	08/28/2025 1122	08/28/2025 2056	KP
Acetone	ND	10		ug/L	1	08/28/2025 1122	08/28/2025 2056	KP
Benzene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2056	KP
Bromodichloromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2056	KP
Bromoform	ND	2.0		ug/L	1	08/28/2025 1122	08/28/2025 2056	KP
Carbon tetrachloride	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2056	KP
Chlorobenzene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2056	KP
Chloroform	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2056	KP
Chloromethane	ND	1.0		ug/L	1	08/28/2025 1122	08/28/2025 2056	KP
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2056	KP
Dibromochloromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2056	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2056	KP
Ethylbenzene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2056	KP
m,p-Xylene	ND	1.0		ug/L	1	08/28/2025 1122	08/28/2025 2056	KP
Methylene chloride	ND	1.0		ug/L	1	08/28/2025 1122	08/28/2025 2056	KP
o-Xylene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2056	KP
Tetrachloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2056	KP
Toluene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2056	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2056	KP
Trichloroethene	6.8	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2056	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2056	KP
Vinyl chloride	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2056	KP
Surr: 4-Bromofluorobenzene	*86*	*70-130*		*%REC*	*1*	*08/28/2025 1122*	*08/28/2025 2056*	*KP*
Surr: Dibromofluoromethane	*94*	*70-130*		*%REC*	*1*	*08/28/2025 1122*	*08/28/2025 2056*	*KP*
Surr: Toluene-d8	*86*	*70-130*		*%REC*	*1*	*08/28/2025 1122*	*08/28/2025 2056*	*KP*

Turner Laboratories, Inc.

Date: 09/04/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-081525-EH-TB
Project:	TIA Routine Op	**Collection Date/Time:**	08/15/2025 0825
Work Order:	25H0461	**Matrix:**	Ground Water
Lab Sample ID:	25H0461-02	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0343	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/28/2025 1122	08/29/2025 0343	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0343	KP
1,1-Dichloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0343	KP
1,2-Dichloroethane	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0343	KP
1,2-Dichloropropane	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0343	KP
2-Butanone (MEK)	ND	10		ug/L	1	08/28/2025 1122	08/29/2025 0343	KP
Acetone	ND	10		ug/L	1	08/28/2025 1122	08/29/2025 0343	KP
Benzene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0343	KP
Bromodichloromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0343	KP
Bromoform	ND	2.0		ug/L	1	08/28/2025 1122	08/29/2025 0343	KP
Carbon tetrachloride	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0343	KP
Chlorobenzene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0343	KP
Chloroform	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0343	KP
Chloromethane	ND	1.0		ug/L	1	08/28/2025 1122	08/29/2025 0343	KP
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0343	KP
Dibromochloromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0343	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0343	KP
Ethylbenzene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0343	KP
m,p-Xylene	ND	1.0		ug/L	1	08/28/2025 1122	08/29/2025 0343	KP
Methylene chloride	ND	1.0		ug/L	1	08/28/2025 1122	08/29/2025 0343	KP
o-Xylene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0343	KP
Tetrachloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0343	KP
Toluene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0343	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0343	KP
Trichloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0343	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0343	KP
Vinyl chloride	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0343	KP
Surr: 4-Bromofluorobenzene	*88*	*70-130*		*%REC*	*1*	*08/28/2025 1122*	*08/29/2025 343*	*KP*
Surr: Dibromofluoromethane	*89*	*70-130*		*%REC*	*1*	*08/28/2025 1122*	*08/29/2025 343*	*KP*
Surr: Toluene-d8	*87*	*70-130*		*%REC*	*1*	*08/28/2025 1122*	*08/29/2025 343*	*KP*

Turner Laboratories, Inc.

Date: 09/04/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-081525-EH-107
Project:	TIA Routine Op	**Collection Date/Time:**	08/15/2025 0835
Work Order:	25H0461	**Matrix:**	Ground Water
Lab Sample ID:	25H0461-03	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2218	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/28/2025 1122	08/28/2025 2218	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2218	KP
1,1-Dichloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2218	KP
1,2-Dichloroethane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2218	KP
1,2-Dichloropropane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2218	KP
2-Butanone (MEK)	ND	10		ug/L	1	08/28/2025 1122	08/28/2025 2218	KP
Acetone	ND	10		ug/L	1	08/28/2025 1122	08/28/2025 2218	KP
Benzene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2218	KP
Bromodichloromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2218	KP
Bromoform	ND	2.0		ug/L	1	08/28/2025 1122	08/28/2025 2218	KP
Carbon tetrachloride	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2218	KP
Chlorobenzene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2218	KP
Chloroform	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2218	KP
Chloromethane	ND	1.0		ug/L	1	08/28/2025 1122	08/28/2025 2218	KP
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2218	KP
Dibromochloromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2218	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2218	KP
Ethylbenzene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2218	KP
m,p-Xylene	ND	1.0		ug/L	1	08/28/2025 1122	08/28/2025 2218	KP
Methylene chloride	ND	1.0		ug/L	1	08/28/2025 1122	08/28/2025 2218	KP
o-Xylene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2218	KP
Tetrachloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2218	KP
Toluene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2218	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2218	KP
Trichloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2218	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2218	KP
Vinyl chloride	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2218	KP
Surr: 4-Bromofluorobenzene	*88*	*70-130*		*%REC*	*1*	*08/28/2025 1122*	*08/28/2025 2218*	*KP*
Surr: Dibromofluoromethane	*95*	*70-130*		*%REC*	*1*	*08/28/2025 1122*	*08/28/2025 2218*	*KP*
Surr: Toluene-d8	*88*	*70-130*		*%REC*	*1*	*08/28/2025 1122*	*08/28/2025 2218*	*KP*

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Date: 09/04/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-081525-EH-108
Project:	TIA Routine Op	**Collection Date/Time:**	08/15/2025 0945
Work Order:	25H0461	**Matrix:**	Ground Water
Lab Sample ID:	25H0461-04	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2258	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/28/2025 1122	08/28/2025 2258	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2258	KP
1,1-Dichloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2258	KP
1,2-Dichloroethane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2258	KP
1,2-Dichloropropane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2258	KP
2-Butanone (MEK)	ND	10		ug/L	1	08/28/2025 1122	08/28/2025 2258	KP
Acetone	ND	10		ug/L	1	08/28/2025 1122	08/28/2025 2258	KP
Benzene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2258	KP
Bromodichloromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2258	KP
Bromoform	ND	2.0		ug/L	1	08/28/2025 1122	08/28/2025 2258	KP
Carbon tetrachloride	0.70	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2258	KP
Chlorobenzene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2258	KP
Chloroform	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2258	KP
Chloromethane	ND	1.0		ug/L	1	08/28/2025 1122	08/28/2025 2258	KP
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2258	KP
Dibromochloromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2258	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2258	KP
Ethylbenzene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2258	KP
m,p-Xylene	ND	1.0		ug/L	1	08/28/2025 1122	08/28/2025 2258	KP
Methylene chloride	ND	1.0		ug/L	1	08/28/2025 1122	08/28/2025 2258	KP
o-Xylene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2258	KP
Tetrachloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2258	KP
Toluene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2258	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2258	KP
Trichloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2258	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2258	KP
Vinyl chloride	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2258	KP
Surr: 4-Bromofluorobenzene	*83*	*70-130*		*%REC*	*1*	*08/28/2025 1122*	*08/28/2025 2258*	*KP*
Surr: Dibromofluoromethane	*92*	*70-130*		*%REC*	*1*	*08/28/2025 1122*	*08/28/2025 2258*	*KP*
Surr: Toluene-d8	*85*	*70-130*		*%REC*	*1*	*08/28/2025 1122*	*08/28/2025 2258*	*KP*

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Date: 09/04/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-081525-EH-109
Project:	TIA Routine Op	**Collection Date/Time:**	08/15/2025 1105
Work Order:	25H0461	**Matrix:**	Ground Water
Lab Sample ID:	25H0461-05	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2339	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/28/2025 1122	08/28/2025 2339	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2339	KP
1,1-Dichloroethene	1.2	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2339	KP
1,2-Dichloroethane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2339	KP
1,2-Dichloropropane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2339	KP
2-Butanone (MEK)	ND	10		ug/L	1	08/28/2025 1122	08/28/2025 2339	KP
Acetone	ND	10		ug/L	1	08/28/2025 1122	08/28/2025 2339	KP
Benzene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2339	KP
Bromodichloromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2339	KP
Bromoform	ND	2.0		ug/L	1	08/28/2025 1122	08/28/2025 2339	KP
Carbon tetrachloride	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2339	KP
Chlorobenzene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2339	KP
Chloroform	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2339	KP
Chloromethane	ND	1.0		ug/L	1	08/28/2025 1122	08/28/2025 2339	KP
cis-1,2-Dichloroethene	0.64	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2339	KP
Dibromochloromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2339	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2339	KP
Ethylbenzene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2339	KP
m,p-Xylene	ND	1.0		ug/L	1	08/28/2025 1122	08/28/2025 2339	KP
Methylene chloride	ND	1.0		ug/L	1	08/28/2025 1122	08/28/2025 2339	KP
o-Xylene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2339	KP
Tetrachloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2339	KP
Toluene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2339	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2339	KP
Trichloroethene	11	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2339	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2339	KP
Vinyl chloride	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 2339	KP
Surr: 4-Bromofluorobenzene	*88*	*70-130*		*%REC*	*1*	*08/28/2025 1122*	*08/28/2025 2339*	*KP*
Surr: Dibromofluoromethane	*94*	*70-130*		*%REC*	*1*	*08/28/2025 1122*	*08/28/2025 2339*	*KP*
Surr: Toluene-d8	*89*	*70-130*		*%REC*	*1*	*08/28/2025 1122*	*08/28/2025 2339*	*KP*

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Date: 09/04/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-081525-EH-110
Project:	TIA Routine Op	**Collection Date/Time:**	08/15/2025 1215
Work Order:	25H0461	**Matrix:**	Ground Water
Lab Sample ID:	25H0461-06	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0140	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/28/2025 1122	08/29/2025 0140	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0140	KP
1,1-Dichloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0140	KP
1,2-Dichloroethane	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0140	KP
1,2-Dichloropropane	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0140	KP
2-Butanone (MEK)	ND	10		ug/L	1	08/28/2025 1122	08/29/2025 0140	KP
Acetone	ND	10		ug/L	1	08/28/2025 1122	08/29/2025 0140	KP
Benzene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0140	KP
Bromodichloromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0140	KP
Bromoform	ND	2.0		ug/L	1	08/28/2025 1122	08/29/2025 0140	KP
Carbon tetrachloride	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0140	KP
Chlorobenzene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0140	KP
Chloroform	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0140	KP
Chloromethane	ND	1.0		ug/L	1	08/28/2025 1122	08/29/2025 0140	KP
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0140	KP
Dibromochloromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0140	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0140	KP
Ethylbenzene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0140	KP
m,p-Xylene	ND	1.0		ug/L	1	08/28/2025 1122	08/29/2025 0140	KP
Methylene chloride	ND	1.0		ug/L	1	08/28/2025 1122	08/29/2025 0140	KP
o-Xylene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0140	KP
Tetrachloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0140	KP
Toluene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0140	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0140	KP
Trichloroethene	0.87	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0140	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0140	KP
Vinyl chloride	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0140	KP
Surr: 4-Bromofluorobenzene	*87*	*70-130*		*%REC*	*1*	*08/28/2025 1122*	*08/29/2025 140*	*KP*
Surr: Dibromofluoromethane	*93*	*70-130*		*%REC*	*1*	*08/28/2025 1122*	*08/29/2025 140*	*KP*
Surr: Toluene-d8	*87*	*70-130*		*%REC*	*1*	*08/28/2025 1122*	*08/29/2025 140*	*KP*

Turner Laboratories, Inc.

Date: 09/04/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-081825-EH-111
Project:	TIA Routine Op	**Collection Date/Time:**	08/18/2025 0815
Work Order:	25H0461	**Matrix:**	Ground Water
Lab Sample ID:	25H0461-07	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0221	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/28/2025 1122	08/29/2025 0221	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0221	KP
1,1-Dichloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0221	KP
1,2-Dichloroethane	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0221	KP
1,2-Dichloropropane	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0221	KP
2-Butanone (MEK)	ND	10		ug/L	1	08/28/2025 1122	08/29/2025 0221	KP
Acetone	ND	10		ug/L	1	08/28/2025 1122	08/29/2025 0221	KP
Benzene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0221	KP
Bromodichloromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0221	KP
Bromoform	ND	2.0		ug/L	1	08/28/2025 1122	08/29/2025 0221	KP
Carbon tetrachloride	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0221	KP
Chlorobenzene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0221	KP
Chloroform	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0221	KP
Chloromethane	ND	1.0		ug/L	1	08/28/2025 1122	08/29/2025 0221	KP
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0221	KP
Dibromochloromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0221	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0221	KP
Ethylbenzene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0221	KP
m,p-Xylene	ND	1.0		ug/L	1	08/28/2025 1122	08/29/2025 0221	KP
Methylene chloride	ND	1.0		ug/L	1	08/28/2025 1122	08/29/2025 0221	KP
o-Xylene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0221	KP
Tetrachloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0221	KP
Toluene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0221	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0221	KP
Trichloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0221	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0221	KP
Vinyl chloride	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0221	KP
Surr: 4-Bromofluorobenzene	*86*	*70-130*		*%REC*	*1*	*08/28/2025 1122*	*08/29/2025 221*	*KP*
Surr: Dibromofluoromethane	*93*	*70-130*		*%REC*	*1*	*08/28/2025 1122*	*08/29/2025 221*	*KP*
Surr: Toluene-d8	*87*	*70-130*		*%REC*	*1*	*08/28/2025 1122*	*08/29/2025 221*	*KP*

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Date: 09/04/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-081825-EH-112
Project:	TIA Routine Op	**Collection Date/Time:**	08/18/2025 0915
Work Order:	25H0461	**Matrix:**	Ground Water
Lab Sample ID:	25H0461-08	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0302	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/28/2025 1122	08/29/2025 0302	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0302	KP
1,1-Dichloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0302	KP
1,2-Dichloroethane	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0302	KP
1,2-Dichloropropane	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0302	KP
2-Butanone (MEK)	ND	10		ug/L	1	08/28/2025 1122	08/29/2025 0302	KP
Acetone	ND	10		ug/L	1	08/28/2025 1122	08/29/2025 0302	KP
Benzene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0302	KP
Bromodichloromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0302	KP
Bromoform	ND	2.0		ug/L	1	08/28/2025 1122	08/29/2025 0302	KP
Carbon tetrachloride	1.8	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0302	KP
Chlorobenzene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0302	KP
Chloroform	0.72	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0302	KP
Chloromethane	ND	1.0		ug/L	1	08/28/2025 1122	08/29/2025 0302	KP
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0302	KP
Dibromochloromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0302	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0302	KP
Ethylbenzene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0302	KP
m,p-Xylene	ND	1.0		ug/L	1	08/28/2025 1122	08/29/2025 0302	KP
Methylene chloride	ND	1.0		ug/L	1	08/28/2025 1122	08/29/2025 0302	KP
o-Xylene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0302	KP
Tetrachloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0302	KP
Toluene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0302	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0302	KP
Trichloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0302	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0302	KP
Vinyl chloride	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0302	KP
Surr: 4-Bromofluorobenzene	*85*	*70-130*		*%REC*	*1*	*08/28/2025 1122*	*08/29/2025 302*	*KP*
Surr: Dibromofluoromethane	*92*	*70-130*		*%REC*	*1*	*08/28/2025 1122*	*08/29/2025 302*	*KP*
Surr: Toluene-d8	*87*	*70-130*		*%REC*	*1*	*08/28/2025 1122*	*08/29/2025 302*	*KP*

Turner Laboratories, Inc.

Date: 09/04/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-081825-EH-113
Project:	TIA Routine Op	**Collection Date/Time:**	08/18/2025 1045
Work Order:	25H0461	**Matrix:**	Ground Water
Lab Sample ID:	25H0461-09	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0424	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/28/2025 1122	08/29/2025 0424	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0424	KP
1,1-Dichloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0424	KP
1,2-Dichloroethane	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0424	KP
1,2-Dichloropropane	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0424	KP
2-Butanone (MEK)	ND	10		ug/L	1	08/28/2025 1122	08/29/2025 0424	KP
Acetone	ND	10		ug/L	1	08/28/2025 1122	08/29/2025 0424	KP
Benzene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0424	KP
Bromodichloromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0424	KP
Bromoform	ND	2.0		ug/L	1	08/28/2025 1122	08/29/2025 0424	KP
Carbon tetrachloride	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0424	KP
Chlorobenzene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0424	KP
Chloroform	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0424	KP
Chloromethane	ND	1.0		ug/L	1	08/28/2025 1122	08/29/2025 0424	KP
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0424	KP
Dibromochloromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0424	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0424	KP
Ethylbenzene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0424	KP
m,p-Xylene	ND	1.0		ug/L	1	08/28/2025 1122	08/29/2025 0424	KP
Methylene chloride	ND	1.0		ug/L	1	08/28/2025 1122	08/29/2025 0424	KP
o-Xylene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0424	KP
Tetrachloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0424	KP
Toluene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0424	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0424	KP
Trichloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0424	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0424	KP
Vinyl chloride	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0424	KP
Surr: 4-Bromofluorobenzene	*85*	*70-130*		*%REC*	*1*	*08/28/2025 1122*	*08/29/2025 424*	*KP*
Surr: Dibromofluoromethane	*92*	*70-130*		*%REC*	*1*	*08/28/2025 1122*	*08/29/2025 424*	*KP*
Surr: Toluene-d8	*86*	*70-130*		*%REC*	*1*	*08/28/2025 1122*	*08/29/2025 424*	*KP*

Turner Laboratories, Inc.

Date: 09/04/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-081825-EH-114
Project:	TIA Routine Op	**Collection Date/Time:**	08/18/2025 1155
Work Order:	25H0461	**Matrix:**	Ground Water
Lab Sample ID:	25H0461-10	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0505	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/28/2025 1122	08/29/2025 0505	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0505	KP
1,1-Dichloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0505	KP
1,2-Dichloroethane	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0505	KP
1,2-Dichloropropane	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0505	KP
2-Butanone (MEK)	ND	10		ug/L	1	08/28/2025 1122	08/29/2025 0505	KP
Acetone	ND	10		ug/L	1	08/28/2025 1122	08/29/2025 0505	KP
Benzene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0505	KP
Bromodichloromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0505	KP
Bromoform	ND	2.0		ug/L	1	08/28/2025 1122	08/29/2025 0505	KP
Carbon tetrachloride	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0505	KP
Chlorobenzene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0505	KP
Chloroform	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0505	KP
Chloromethane	ND	1.0		ug/L	1	08/28/2025 1122	08/29/2025 0505	KP
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0505	KP
Dibromochloromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0505	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0505	KP
Ethylbenzene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0505	KP
m,p-Xylene	ND	1.0		ug/L	1	08/28/2025 1122	08/29/2025 0505	KP
Methylene chloride	ND	1.0		ug/L	1	08/28/2025 1122	08/29/2025 0505	KP
o-Xylene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0505	KP
Tetrachloroethene	8.3	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0505	KP
Toluene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0505	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0505	KP
Trichloroethene	6.6	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0505	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0505	KP
Vinyl chloride	ND	0.50		ug/L	1	08/28/2025 1122	08/29/2025 0505	KP
Surr: 4-Bromofluorobenzene	*87*	*70-130*		*%REC*	*1*	*08/28/2025 1122*	*08/29/2025 505*	*KP*
Surr: Dibromofluoromethane	*94*	*70-130*		*%REC*	*1*	*08/28/2025 1122*	*08/29/2025 505*	*KP*
Surr: Toluene-d8	*90*	*70-130*		*%REC*	*1*	*08/28/2025 1122*	*08/29/2025 505*	*KP*

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0461
Date Received: 08/18/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2508292 - SW8260B										
Blank (2508292-BLK1)				Prepared & Analyzed: 08/28/2025						
1,1,1-Trichloroethane	ND	0.50	ug/L							
1,1,2-Trichlorotrifluoroethane	ND	5.0	ug/L							
1,1-Dichloroethane	ND	0.50	ug/L							
1,1-Dichloroethene	ND	0.50	ug/L							
1,2-Dichloroethane	ND	0.50	ug/L							
1,2-Dichloropropane	ND	0.50	ug/L							
2-Butanone (MEK)	ND	10	ug/L							
Acetone	ND	10	ug/L							
Benzene	ND	0.50	ug/L							
Bromodichloromethane	ND	0.50	ug/L							
Bromoform	ND	2.0	ug/L							
Carbon tetrachloride	ND	0.50	ug/L							
Chlorobenzene	ND	0.50	ug/L							
Chloroform	ND	0.50	ug/L							
Chloromethane	ND	1.0	ug/L							
cis-1,2-Dichloroethene	ND	0.50	ug/L							
Dibromochloromethane	ND	0.50	ug/L							
Dichlorodifluoromethane	ND	0.50	ug/L							
Ethylbenzene	ND	0.50	ug/L							
m,p-Xylene	ND	1.0	ug/L							
Methylene chloride	ND	1.0	ug/L							
o-Xylene	ND	0.50	ug/L							
Tetrachloroethene	ND	0.50	ug/L							
Toluene	ND	0.50	ug/L							
trans-1,2-Dichloroethene	ND	0.50	ug/L							
Trichloroethene	ND	0.50	ug/L							
Trichlorofluoromethane	ND	0.50	ug/L							
Vinyl chloride	ND	0.50	ug/L							
Surrogate: 4-Bromofluorobenzene	*23.4*		*ug/L*	*25.00*		*94*	*70-130*			
Surrogate: Dibromofluoromethane	*24.1*		*ug/L*	*25.00*		*96*	*70-130*			
Surrogate: Toluene-d8	*23.4*		*ug/L*	*25.00*		*93*	*70-130*			
LCS (2508292-BS1)				Prepared & Analyzed: 08/28/2025						
1,1-Dichloroethene	29		ug/L	25.00		117	70-130			
Benzene	26		ug/L	25.00		103	70-130			
Chlorobenzene	26		ug/L	25.00		104	70-130			
Toluene	26		ug/L	25.00		105	70-130			
Trichloroethene	27		ug/L	25.00		106	70-130			
Surrogate: 4-Bromofluorobenzene	*23.5*		*ug/L*	*25.00*		*94*	*70-130*			
Surrogate: Dibromofluoromethane	*22.7*		*ug/L*	*25.00*		*91*	*70-130*			
Surrogate: Toluene-d8	*23.0*		*ug/L*	*25.00*		*92*	*70-130*			

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0461
Date Received: 08/18/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2508292 - SW8260B										
LCS Dup (2508292-BSD1)				Prepared & Analyzed: 08/28/2025						
1,1-Dichloroethene	27		ug/L	25.00		108	70-130	7	30	
Benzene	25		ug/L	25.00		98	70-130	5	30	
Chlorobenzene	24		ug/L	25.00		97	70-130	7	30	
Toluene	24		ug/L	25.00		98	70-130	7	30	
Trichloroethene	25		ug/L	25.00		100	70-130	6	30	
Surrogate: 4-Bromofluorobenzene	*23.2*		*ug/L*	*25.00*		*93*	*70-130*			
Surrogate: Dibromofluoromethane	*23.3*		*ug/L*	*25.00*		*93*	*70-130*			
Surrogate: Toluene-d8	*22.7*		*ug/L*	*25.00*		*91*	*70-130*			
Matrix Spike (2508292-MS1)		**Source: 25H0416-06**		Prepared & Analyzed: 08/28/2025						
1,1-Dichloroethene	28		ug/L	25.00	0.020	110	70-130			
Benzene	25		ug/L	25.00	0.010	100	70-130			
Chlorobenzene	24		ug/L	25.00	0.010	96	70-130			
Toluene	24		ug/L	25.00	0.010	95	70-130			
Trichloroethene	24		ug/L	25.00	0.010	96	70-130			
Surrogate: 4-Bromofluorobenzene	*21.7*		*ug/L*	*25.00*		*87*	*70-130*			
Surrogate: Dibromofluoromethane	*23.0*		*ug/L*	*25.00*		*92*	*70-130*			
Surrogate: Toluene-d8	*21.6*		*ug/L*	*25.00*		*86*	*70-130*			
Matrix Spike (2508292-MS2)		**Source: 25H0461-05**		Prepared: 08/28/2025 Analyzed: 08/29/2025						
1,1-Dichloroethene	29		ug/L	25.00	1.2	111	70-130			
Benzene	26		ug/L	25.00	0.010	102	70-130			
Chlorobenzene	24		ug/L	25.00	0.0	96	70-130			
Toluene	24		ug/L	25.00	0.0	96	70-130			
Trichloroethene	36		ug/L	25.00	11	100	70-130			
Surrogate: 4-Bromofluorobenzene	*22.7*		*ug/L*	*25.00*		*91*	*70-130*			
Surrogate: Dibromofluoromethane	*23.7*		*ug/L*	*25.00*		*95*	*70-130*			
Surrogate: Toluene-d8	*22.1*		*ug/L*	*25.00*		*88*	*70-130*			
Matrix Spike Dup (2508292-MSD1)		**Source: 25H0416-06**		Prepared & Analyzed: 08/28/2025						
1,1-Dichloroethene	28		ug/L	25.00	0.020	111	70-130	0.2	30	
Benzene	25		ug/L	25.00	0.010	101	70-130	0.9	30	
Chlorobenzene	25		ug/L	25.00	0.010	99	70-130	3	30	
Toluene	25		ug/L	25.00	0.010	98	70-130	3	30	
Trichloroethene	25		ug/L	25.00	0.010	99	70-130	3	30	
Surrogate: 4-Bromofluorobenzene	*22.4*		*ug/L*	*25.00*		*90*	*70-130*			
Surrogate: Dibromofluoromethane	*23.0*		*ug/L*	*25.00*		*92*	*70-130*			
Surrogate: Toluene-d8	*22.0*		*ug/L*	*25.00*		*88*	*70-130*			
Matrix Spike Dup (2508292-MSD2)		**Source: 25H0461-05**		Prepared: 08/28/2025 Analyzed: 08/29/2025						
1,1-Dichloroethene	29		ug/L	25.00	1.2	109	70-130	1	30	
Benzene	25		ug/L	25.00	0.010	101	70-130	2	30	
Chlorobenzene	24		ug/L	25.00	0.0	98	70-130	2	30	
Toluene	24		ug/L	25.00	0.0	97	70-130	1	30	
Trichloroethene	36		ug/L	25.00	11	102	70-130	1	30	
Surrogate: 4-Bromofluorobenzene	*21.8*		*ug/L*	*25.00*		*87*	*70-130*			
Surrogate: Dibromofluoromethane	*22.5*		*ug/L*	*25.00*		*90*	*70-130*			
Surrogate: Toluene-d8	*21.6*		*ug/L*	*25.00*		*86*	*70-130*			

TURNER LABORATORIES INC.
2445 N. Coyote Drive, Suite 104
Tucson, Arizona 85745
(520) 882-5880
Fax: (520) 882-9788
www.turnerlabs.com

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

TURNER WORK ORDER # 25H0461 DATE _____ PAGE 1 OF 1

PROJECT NAME TIA Routine OP # 12619196.5.5.7

CONTACT NAME : Justin Berkompas

COMPANY NAME : GHD Services, Inc.

ADDRESS :333 E Wetmore Rd. Suite 100

CITY Tucson STATE AZ ZIP CODE 85705

PHONE 720-974-0964 FAX

SAMPLER'S SIGNATURE [signature]

CIRCLE ANALYSIS REQUESTED AND/OR CHECK THE APPROPRIATE BOX

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX*	NUMBER OF CONTAINERS	MS MSD	8260	Expect High Results
GW-081525-EH-106	8/15/25	0825		GW	3		X	
GW-081525-EH-TB	8/15/25	0825		GW	1			
GW-081525-EH-107	8/15/25	0835		GW	3			
GW-081525-EH-108	8/15/25	0945		GW	3			
GW-081525-EH-109	8/15/25	1105		GW	9	X		
GW-081525-EH-110	8/15/25	1215		GW	3			
GW-081825-EH-111	8/18/25	0815		GW	3			
GW-081825-EH-112	8/18/25	0915		GW	3			
GW-081825-EH-113	8/18/25	1045		GW	3			
GW-081825-EH-114	8/18/25	1155		GW	3			

1. RELINQUISHED BY: [signature]
Signature
Printed Name: Elijah Harold
Firm: GHD Services Inc.
Date/Time: 08/18/25 1532

2. RECEIVED BY:
Signature
Printed Name
Firm
Date/Time

TURNAROUND REQUIREMENTS:
_____ Standard (approx.10 days)*
____ Next day ____ 2 Day ____ 5 Day*
_____ Email Preliminary Results To:
* Working Days

REPORT REQUIREMENTS:
_____ I. Routine Report
____ II. Report (includes DUP,MS,MSD, as required, may be charged as samples)
_____ III. Date Validation Report (Includes All Raw Data)
Add 10% to invoice

INVOICE INFORMATION:
Account _____ Y _____ N
P.O. # _____
Bill to: _____

SAMPLE RECEIPT:
Total Containers 12-48
Temperature 1.6
☒ Wet Ice ☐ Blue Ice

3. RELINQUISHED BY:
Signature
Printed Name
Firm
Date/Time

4. RECEIVED BY: [signature]
Signature Kathryn Roberts
Printed Name
Firm TURNER LABORATORIES, INC.
Date/Time 8/18/25 1532

*LEGEND
DW = DRINKING WATER
GW = GROUNDWATER
SD = SOLID
SG = SLUDGE
SL = SOIL
ST = STORMWATER
WW = WASTEWATER

SPECIAL INSTRUCTIONS/COMMENTS:

Compliance Analysis: ☐ Yes ☐ No	Custody Seals ☐	Preservation Confirmation ☒
ADEQ Forms: ☐ Yes ☐ No	Container Intact ☒	Appropriate Head Space ☒
Mail ADEQ Forms: ☐ Yes ☐ No	COC/Labels Agree ☒	Received Within Hold Time ☒

September 09, 2025

Justin Berkompas
GHD Services, Inc. - Tucson
6700 N. Oracle Rd. Suite 238
Tucson, AZ 85704

TEL (520) 203-0701
FAX

Work Order No.: 25H0417
Order Name: 12619196.5.5.7

RE: TIA Routine Op

Dear Justin Berkompas,

Turner Laboratories, Inc. received 8 sample(s) on 08/14/2025 for the analyses presented in the following report.

All results are intended to be considered in their entirety, and Turner Laboratories, Inc. is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Samples will be disposed of 30 days after issue of our report unless special arrangements are made.

The pages that follow may contain sensitive, privileged or confidential information intended solely for the addressee named above. If you receive this message and are not the agent or employee of the addressee, this communication has been sent in error. Please do not disseminate or copy any of the attached and notify the sender immediately by telephone. Please also return the attached sheet(s) to the sender by mail.

Please call if you have any questions.

Respectfully submitted,

Turner Laboratories, Inc.
ADHS License AZ0066

Elizabeth Kasik
Laboratory Director

Turner Laboratories, Inc.

Date: 09/09/2025

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0417
Date Received: 08/14/2025

Order: 12619196.5.5.7

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date/Time
25H0417-01	GW-081125-EH-92	Ground Water	08/11/2025 1005
25H0417-02	GW-081125-EH-TB	Ground Water	08/11/2025 1005
25H0417-03	GW-081125-EH-93	Ground Water	08/11/2025 1235
25H0417-04	GW-081125-EH-94	Ground Water	08/11/2025 1615
25H0417-05	GW-081125-EH-95	Ground Water	08/11/2025 1625
25H0417-06	GW-081225-EH-96	Ground Water	08/12/2025 1005
25H0417-07	GW-081225-EH-97	Ground Water	08/12/2025 1015
25H0417-08	GW-081225-EH-98	Ground Water	08/12/2025 1355

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0417
Date Received: 08/14/2025

Case Narrative

M1 Matrix spike recovery was high; the associated LCS/LCSD was acceptable.

M2 Matrix spike recovery was low; the associated LCS/LCSD was acceptable.

All soil, sludge, and solid matrix determinations are reported on a wet weight basis unless otherwise noted.

ND Not Detected at or above the PQL

PQL Practical Quantitation Limit

DF Dilution Factor

Turner Laboratories, Inc.

Date: 09/09/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-081125-EH-92
Project:	TIA Routine Op	**Collection Date/Time:**	08/11/2025 1005
Work Order:	25H0417	**Matrix:**	Ground Water
Lab Sample ID:	25H0417-01	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2356	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/19/2025 1028	08/21/2025 2356	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2356	PB
1,1-Dichloroethene	0.64	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2356	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2356	PB
1,2-Dichloropropane	2.1	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2356	PB
2-Butanone (MEK)	ND	10		ug/L	1	08/19/2025 1028	08/21/2025 2356	PB
Acetone	ND	10		ug/L	1	08/19/2025 1028	08/21/2025 2356	PB
Benzene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2356	PB
Bromodichloromethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2356	PB
Bromoform	ND	2.0		ug/L	1	08/19/2025 1028	08/21/2025 2356	PB
Carbon tetrachloride	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2356	PB
Chlorobenzene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2356	PB
Chloroform	9.5	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2356	PB
Chloromethane	ND	1.0		ug/L	1	08/19/2025 1028	08/21/2025 2356	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2356	PB
Dibromochloromethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2356	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2356	PB
Ethylbenzene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2356	PB
m,p-Xylene	ND	1.0		ug/L	1	08/19/2025 1028	08/21/2025 2356	PB
Methylene chloride	ND	1.0		ug/L	1	08/19/2025 1028	08/21/2025 2356	PB
o-Xylene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2356	PB
Tetrachloroethene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2356	PB
Toluene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2356	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2356	PB
Trichloroethene	110	2.5		ug/L	5	08/19/2025 1028	08/22/2025 1228	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2356	PB
Vinyl chloride	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 2356	PB
Surr: 4-Bromofluorobenzene	*101*	*70-130*		*%REC*	*1*	*08/19/2025 1028*	*08/22/2025 1228*	*PB*
Surr: 4-Bromofluorobenzene	*110*	*70-130*		*%REC*	*1*	*08/19/2025 1028*	*08/21/2025 2356*	*PB*
Surr: Dibromofluoromethane	*94*	*70-130*		*%REC*	*1*	*08/19/2025 1028*	*08/21/2025 2356*	*PB*
Surr: Dibromofluoromethane	*86*	*70-130*		*%REC*	*1*	*08/19/2025 1028*	*08/22/2025 1228*	*PB*
Surr: Toluene-d8	*90*	*70-130*		*%REC*	*1*	*08/19/2025 1028*	*08/22/2025 1228*	*PB*
Surr: Toluene-d8	*104*	*70-130*		*%REC*	*1*	*08/19/2025 1028*	*08/21/2025 2356*	*PB*

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Date: 09/09/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-081125-EH-TB
Project:	TIA Routine Op	**Collection Date/Time:**	08/11/2025 1005
Work Order:	25H0417	**Matrix:**	Ground Water
Lab Sample ID:	25H0417-02	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 0617	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/19/2025 1028	08/21/2025 0617	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 0617	PB
1,1-Dichloroethene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 0617	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 0617	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 0617	PB
2-Butanone (MEK)	ND	10		ug/L	1	08/19/2025 1028	08/21/2025 0617	PB
Acetone	ND	10		ug/L	1	08/19/2025 1028	08/21/2025 0617	PB
Benzene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 0617	PB
Bromodichloromethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 0617	PB
Bromoform	ND	2.0		ug/L	1	08/19/2025 1028	08/21/2025 0617	PB
Carbon tetrachloride	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 0617	PB
Chlorobenzene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 0617	PB
Chloroform	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 0617	PB
Chloromethane	ND	1.0		ug/L	1	08/19/2025 1028	08/21/2025 0617	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 0617	PB
Dibromochloromethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 0617	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 0617	PB
Ethylbenzene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 0617	PB
m,p-Xylene	ND	1.0		ug/L	1	08/19/2025 1028	08/21/2025 0617	PB
Methylene chloride	ND	1.0		ug/L	1	08/19/2025 1028	08/21/2025 0617	PB
o-Xylene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 0617	PB
Tetrachloroethene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 0617	PB
Toluene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 0617	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 0617	PB
Trichloroethene	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 0617	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 0617	PB
Vinyl chloride	ND	0.50		ug/L	1	08/19/2025 1028	08/21/2025 0617	PB
Surr: 4-Bromofluorobenzene	*111*	*70-130*		*%REC*	*1*	*08/19/2025 1028*	*08/21/2025 617*	*PB*
Surr: Dibromofluoromethane	*93*	*70-130*		*%REC*	*1*	*08/19/2025 1028*	*08/21/2025 617*	*PB*
Surr: Toluene-d8	*107*	*70-130*		*%REC*	*1*	*08/19/2025 1028*	*08/21/2025 617*	*PB*

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Date: 09/09/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-081125-EH-93
Project:	TIA Routine Op	**Collection Date/Time:**	08/11/2025 1235
Work Order:	25H0417	**Matrix:**	Ground Water
Lab Sample ID:	25H0417-03	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0032	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/19/2025 1028	08/22/2025 0032	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0032	PB
1,1-Dichloroethene	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0032	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0032	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0032	PB
2-Butanone (MEK)	ND	10		ug/L	1	08/19/2025 1028	08/22/2025 0032	PB
Acetone	ND	10		ug/L	1	08/19/2025 1028	08/22/2025 0032	PB
Benzene	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0032	PB
Bromodichloromethane	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0032	PB
Bromoform	ND	2.0		ug/L	1	08/19/2025 1028	08/22/2025 0032	PB
Carbon tetrachloride	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0032	PB
Chlorobenzene	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0032	PB
Chloroform	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0032	PB
Chloromethane	ND	1.0		ug/L	1	08/19/2025 1028	08/22/2025 0032	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0032	PB
Dibromochloromethane	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0032	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0032	PB
Ethylbenzene	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0032	PB
m,p-Xylene	ND	1.0		ug/L	1	08/19/2025 1028	08/22/2025 0032	PB
Methylene chloride	ND	1.0		ug/L	1	08/19/2025 1028	08/22/2025 0032	PB
o-Xylene	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0032	PB
Tetrachloroethene	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0032	PB
Toluene	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0032	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0032	PB
Trichloroethene	1.3	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0032	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0032	PB
Vinyl chloride	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0032	PB
Surr: 4-Bromofluorobenzene	*112*	*70-130*		*%REC*	*1*	*08/19/2025 1028*	*08/22/2025 032*	*PB*
Surr: Dibromofluoromethane	*95*	*70-130*		*%REC*	*1*	*08/19/2025 1028*	*08/22/2025 032*	*PB*
Surr: Toluene-d8	*107*	*70-130*		*%REC*	*1*	*08/19/2025 1028*	*08/22/2025 032*	*PB*

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Date: 09/09/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-081125-EH-94
Project:	TIA Routine Op	**Collection Date/Time:**	08/11/2025 1615
Work Order:	25H0417	**Matrix:**	Ground Water
Lab Sample ID:	25H0417-04	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0107	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/19/2025 1028	08/22/2025 0107	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0107	PB
1,1-Dichloroethene	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0107	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0107	PB
1,2-Dichloropropane	0.89	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0107	PB
2-Butanone (MEK)	ND	10		ug/L	1	08/19/2025 1028	08/22/2025 0107	PB
Acetone	ND	10		ug/L	1	08/19/2025 1028	08/22/2025 0107	PB
Benzene	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0107	PB
Bromodichloromethane	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0107	PB
Bromoform	ND	2.0		ug/L	1	08/19/2025 1028	08/22/2025 0107	PB
Carbon tetrachloride	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0107	PB
Chlorobenzene	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0107	PB
Chloroform	3.3	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0107	PB
Chloromethane	ND	1.0		ug/L	1	08/19/2025 1028	08/22/2025 0107	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0107	PB
Dibromochloromethane	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0107	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0107	PB
Ethylbenzene	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0107	PB
m,p-Xylene	ND	1.0		ug/L	1	08/19/2025 1028	08/22/2025 0107	PB
Methylene chloride	ND	1.0		ug/L	1	08/19/2025 1028	08/22/2025 0107	PB
o-Xylene	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0107	PB
Tetrachloroethene	0.94	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0107	PB
Toluene	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0107	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0107	PB
Trichloroethene	13	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0107	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0107	PB
Vinyl chloride	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0107	PB
Surr: 4-Bromofluorobenzene	*112*	*70-130*		*%REC*	*1*	*08/19/2025 1028*	*08/22/2025 107*	*PB*
Surr: Dibromofluoromethane	*95*	*70-130*		*%REC*	*1*	*08/19/2025 1028*	*08/22/2025 107*	*PB*
Surr: Toluene-d8	*104*	*70-130*		*%REC*	*1*	*08/19/2025 1028*	*08/22/2025 107*	*PB*

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Date: 09/09/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-081125-EH-95
Project:	TIA Routine Op	**Collection Date/Time:**	08/11/2025 1625
Work Order:	25H0417	**Matrix:**	Ground Water
Lab Sample ID:	25H0417-05	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0143	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/19/2025 1028	08/22/2025 0143	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0143	PB
1,1-Dichloroethene	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0143	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0143	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0143	PB
2-Butanone (MEK)	ND	10		ug/L	1	08/19/2025 1028	08/22/2025 0143	PB
Acetone	ND	10		ug/L	1	08/19/2025 1028	08/22/2025 0143	PB
Benzene	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0143	PB
Bromodichloromethane	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0143	PB
Bromoform	ND	2.0		ug/L	1	08/19/2025 1028	08/22/2025 0143	PB
Carbon tetrachloride	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0143	PB
Chlorobenzene	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0143	PB
Chloroform	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0143	PB
Chloromethane	ND	1.0		ug/L	1	08/19/2025 1028	08/22/2025 0143	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0143	PB
Dibromochloromethane	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0143	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0143	PB
Ethylbenzene	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0143	PB
m,p-Xylene	ND	1.0		ug/L	1	08/19/2025 1028	08/22/2025 0143	PB
Methylene chloride	ND	1.0		ug/L	1	08/19/2025 1028	08/22/2025 0143	PB
o-Xylene	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0143	PB
Tetrachloroethene	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0143	PB
Toluene	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0143	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0143	PB
Trichloroethene	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0143	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0143	PB
Vinyl chloride	ND	0.50		ug/L	1	08/19/2025 1028	08/22/2025 0143	PB
Surr: 4-Bromofluorobenzene	*107*	*70-130*		*%REC*	*1*	*08/19/2025 1028*	*08/22/2025 143*	*PB*
Surr: Dibromofluoromethane	*90*	*70-130*		*%REC*	*1*	*08/19/2025 1028*	*08/22/2025 143*	*PB*
Surr: Toluene-d8	*104*	*70-130*		*%REC*	*1*	*08/19/2025 1028*	*08/22/2025 143*	*PB*

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Date: 09/09/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-081225-EH-96
Project:	TIA Routine Op	**Collection Date/Time:**	08/12/2025 1005
Work Order:	25H0417	**Matrix:**	Ground Water
Lab Sample ID:	25H0417-06	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 1856	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/26/2025 0800	08/26/2025 1856	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 1856	PB
1,1-Dichloroethene	2.9	0.50		ug/L	1	08/26/2025 0800	08/26/2025 1856	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 1856	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 1856	PB
2-Butanone (MEK)	ND	10		ug/L	1	08/26/2025 0800	08/26/2025 1856	PB
Acetone	ND	10		ug/L	1	08/26/2025 0800	08/26/2025 1856	PB
Benzene	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 1856	PB
Bromodichloromethane	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 1856	PB
Bromoform	ND	2.0		ug/L	1	08/26/2025 0800	08/26/2025 1856	PB
Carbon tetrachloride	1.2	0.50		ug/L	1	08/26/2025 0800	08/26/2025 1856	PB
Chlorobenzene	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 1856	PB
Chloroform	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 1856	PB
Chloromethane	ND	1.0		ug/L	1	08/26/2025 0800	08/26/2025 1856	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 1856	PB
Dibromochloromethane	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 1856	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 1856	PB
Ethylbenzene	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 1856	PB
m,p-Xylene	ND	1.0		ug/L	1	08/26/2025 0800	08/26/2025 1856	PB
Methylene chloride	ND	1.0		ug/L	1	08/26/2025 0800	08/26/2025 1856	PB
o-Xylene	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 1856	PB
Tetrachloroethene	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 1856	PB
Toluene	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 1856	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 1856	PB
Trichloroethene	7.3	0.50		ug/L	1	08/26/2025 0800	08/26/2025 1856	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 1856	PB
Vinyl chloride	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 1856	PB
Surr: 4-Bromofluorobenzene	*112*	*70-130*		*%REC*	*1*	*08/26/2025 0800*	*08/26/2025 1856*	*PB*
Surr: Dibromofluoromethane	*93*	*70-130*		*%REC*	*1*	*08/26/2025 0800*	*08/26/2025 1856*	*PB*
Surr: Toluene-d8	*104*	*70-130*		*%REC*	*1*	*08/26/2025 0800*	*08/26/2025 1856*	*PB*

Turner Laboratories, Inc.

Date: 09/09/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-081225-EH-97
Project:	TIA Routine Op	**Collection Date/Time:**	08/12/2025 1015
Work Order:	25H0417	**Matrix:**	Ground Water
Lab Sample ID:	25H0417-07	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 1932	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/26/2025 0800	08/26/2025 1932	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 1932	PB
1,1-Dichloroethene	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 1932	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 1932	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 1932	PB
2-Butanone (MEK)	ND	10		ug/L	1	08/26/2025 0800	08/26/2025 1932	PB
Acetone	ND	10		ug/L	1	08/26/2025 0800	08/26/2025 1932	PB
Benzene	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 1932	PB
Bromodichloromethane	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 1932	PB
Bromoform	ND	2.0		ug/L	1	08/26/2025 0800	08/26/2025 1932	PB
Carbon tetrachloride	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 1932	PB
Chlorobenzene	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 1932	PB
Chloroform	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 1932	PB
Chloromethane	ND	1.0		ug/L	1	08/26/2025 0800	08/26/2025 1932	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 1932	PB
Dibromochloromethane	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 1932	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 1932	PB
Ethylbenzene	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 1932	PB
m,p-Xylene	ND	1.0		ug/L	1	08/26/2025 0800	08/26/2025 1932	PB
Methylene chloride	ND	1.0		ug/L	1	08/26/2025 0800	08/26/2025 1932	PB
o-Xylene	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 1932	PB
Tetrachloroethene	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 1932	PB
Toluene	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 1932	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 1932	PB
Trichloroethene	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 1932	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 1932	PB
Vinyl chloride	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 1932	PB
Surr: 4-Bromofluorobenzene	*113*	*70-130*		*%REC*	*1*	*08/26/2025 0800*	*08/26/2025 1932*	*PB*
Surr: Dibromofluoromethane	*95*	*70-130*		*%REC*	*1*	*08/26/2025 0800*	*08/26/2025 1932*	*PB*
Surr: Toluene-d8	*105*	*70-130*		*%REC*	*1*	*08/26/2025 0800*	*08/26/2025 1932*	*PB*

Turner Laboratories, Inc.

Date: 09/09/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-081225-EH-98
Project:	TIA Routine Op	**Collection Date/Time:**	08/12/2025 1355
Work Order:	25H0417	**Matrix:**	Ground Water
Lab Sample ID:	25H0417-08	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 2009	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/26/2025 0800	08/26/2025 2009	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 2009	PB
1,1-Dichloroethene	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 2009	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 2009	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 2009	PB
2-Butanone (MEK)	ND	10		ug/L	1	08/26/2025 0800	08/26/2025 2009	PB
Acetone	ND	10		ug/L	1	08/26/2025 0800	08/26/2025 2009	PB
Benzene	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 2009	PB
Bromodichloromethane	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 2009	PB
Bromoform	ND	2.0		ug/L	1	08/26/2025 0800	08/26/2025 2009	PB
Carbon tetrachloride	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 2009	PB
Chlorobenzene	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 2009	PB
Chloroform	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 2009	PB
Chloromethane	ND	1.0		ug/L	1	08/26/2025 0800	08/26/2025 2009	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 2009	PB
Dibromochloromethane	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 2009	PB
Dichlorodifluoromethane	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 2009	PB
Ethylbenzene	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 2009	PB
m,p-Xylene	ND	1.0		ug/L	1	08/26/2025 0800	08/26/2025 2009	PB
Methylene chloride	ND	1.0		ug/L	1	08/26/2025 0800	08/26/2025 2009	PB
o-Xylene	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 2009	PB
Tetrachloroethene	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 2009	PB
Toluene	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 2009	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 2009	PB
Trichloroethene	4.6	0.50		ug/L	1	08/26/2025 0800	08/26/2025 2009	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 2009	PB
Vinyl chloride	ND	0.50		ug/L	1	08/26/2025 0800	08/26/2025 2009	PB
Surr: 4-Bromofluorobenzene	*111*	*70-130*		*%REC*	*1*	*08/26/2025 0800*	*08/26/2025 2009*	*PB*
Surr: Dibromofluoromethane	*95*	*70-130*		*%REC*	*1*	*08/26/2025 0800*	*08/26/2025 2009*	*PB*
Surr: Toluene-d8	*105*	*70-130*		*%REC*	*1*	*08/26/2025 0800*	*08/26/2025 2009*	*PB*

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0417
Date Received: 08/14/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2508191 - SW8260B										
Blank (2508191-BLK1)				Prepared: 08/19/2025 Analyzed: 08/21/2025						
1,1,1-Trichloroethane	ND	0.50	ug/L							
1,1,2-Trichlorotrifluoroethane	ND	5.0	ug/L							
1,1-Dichloroethane	ND	0.50	ug/L							
1,1-Dichloroethene	ND	0.50	ug/L							
1,2-Dichloroethane	ND	0.50	ug/L							
1,2-Dichloropropane	ND	0.50	ug/L							
2-Butanone (MEK)	ND	10	ug/L							
Acetone	ND	10	ug/L							
Benzene	ND	0.50	ug/L							
Bromodichloromethane	ND	0.50	ug/L							
Bromoform	ND	2.0	ug/L							
Carbon tetrachloride	ND	0.50	ug/L							
Chlorobenzene	ND	0.50	ug/L							
Chloroform	ND	0.50	ug/L							
Chloromethane	ND	1.0	ug/L							
cis-1,2-Dichloroethene	ND	0.50	ug/L							
Dibromochloromethane	ND	0.50	ug/L							
Dichlorodifluoromethane	ND	0.50	ug/L							
Ethylbenzene	ND	0.50	ug/L							
m,p-Xylene	ND	1.0	ug/L							
Methylene chloride	ND	1.0	ug/L							
o-Xylene	ND	0.50	ug/L							
Tetrachloroethene	ND	0.50	ug/L							
Toluene	ND	0.50	ug/L							
trans-1,2-Dichloroethene	ND	0.50	ug/L							
Trichloroethene	ND	0.50	ug/L							
Trichlorofluoromethane	ND	0.50	ug/L							
Vinyl chloride	ND	0.50	ug/L							
Surrogate: 4-Bromofluorobenzene	*52.6*		*ug/L*	*50.00*		*105*	*70-130*			
Surrogate: Dibromofluoromethane	*48.1*		*ug/L*	*50.00*		*96*	*70-130*			
Surrogate: Toluene-d8	*50.0*		*ug/L*	*50.00*		*100*	*70-130*			

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0417
Date Received: 08/14/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2508191 - SW8260B										
Blank (2508191-BLK2)				Prepared: 08/19/2025 Analyzed: 08/21/2025						
1,1,1-Trichloroethane	ND	0.50	ug/L							
1,1,2-Trichlorotrifluoroethane	ND	5.0	ug/L							
1,1-Dichloroethane	ND	0.50	ug/L							
1,1-Dichloroethene	ND	0.50	ug/L							
1,2-Dichloroethane	ND	0.50	ug/L							
1,2-Dichloropropane	ND	0.50	ug/L							
2-Butanone (MEK)	ND	10	ug/L							
Acetone	ND	10	ug/L							
Benzene	ND	0.50	ug/L							
Bromodichloromethane	ND	0.50	ug/L							
Bromoform	ND	2.0	ug/L							
Carbon tetrachloride	ND	0.50	ug/L							
Chlorobenzene	ND	0.50	ug/L							
Chloroform	ND	0.50	ug/L							
Chloromethane	ND	1.0	ug/L							
cis-1,2-Dichloroethene	ND	0.50	ug/L							
Dibromochloromethane	ND	0.50	ug/L							
Dichlorodifluoromethane	ND	0.50	ug/L							
Ethylbenzene	ND	0.50	ug/L							
m,p-Xylene	ND	1.0	ug/L							
Methylene chloride	ND	1.0	ug/L							
o-Xylene	ND	0.50	ug/L							
Tetrachloroethene	ND	0.50	ug/L							
Toluene	ND	0.50	ug/L							
trans-1,2-Dichloroethene	ND	0.50	ug/L							
Trichloroethene	ND	0.50	ug/L							
Trichlorofluoromethane	ND	0.50	ug/L							
Vinyl chloride	ND	0.50	ug/L							
Surrogate: 4-Bromofluorobenzene	*55.6*		*ug/L*	*50.00*		*111*	*70-130*			
Surrogate: Dibromofluoromethane	*47.3*		*ug/L*	*50.00*		*95*	*70-130*			
Surrogate: Toluene-d8	*53.5*		*ug/L*	*50.00*		*107*	*70-130*			
LCS (2508191-BS1)				Prepared: 08/19/2025 Analyzed: 08/21/2025						
1,1-Dichloroethene	62	0.50	ug/L	50.00		124	70-130			
Benzene	53	0.50	ug/L	50.00		106	70-130			
Chlorobenzene	49	0.50	ug/L	50.00		98	70-130			
Toluene	50	0.50	ug/L	50.00		100	70-130			
Trichloroethene	50	0.50	ug/L	50.00		100	70-130			
Surrogate: 4-Bromofluorobenzene	*51.8*		*ug/L*	*50.00*		*104*	*70-130*			
Surrogate: Dibromofluoromethane	*48.6*		*ug/L*	*50.00*		*97*	*70-130*			
Surrogate: Toluene-d8	*51.3*		*ug/L*	*50.00*		*103*	*70-130*			

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0417
Date Received: 08/14/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2508191 - SW8260B										
LCS (2508191-BS2)				Prepared: 08/19/2025 Analyzed: 08/22/2025						
1,1-Dichloroethene	48	0.50	ug/L	50.00		96	70-130			
Benzene	43	0.50	ug/L	50.00		86	70-130			
Chlorobenzene	42	0.50	ug/L	50.00		84	70-130			
Toluene	43	0.50	ug/L	50.00		86	70-130			
Trichloroethene	41	0.50	ug/L	50.00		82	70-130			
Surrogate: 4-Bromofluorobenzene	*52.5*		*ug/L*	*50.00*		*105*	*70-130*			
Surrogate: Dibromofluoromethane	*43.7*		*ug/L*	*50.00*		*87*	*70-130*			
Surrogate: Toluene-d8	*47.1*		*ug/L*	*50.00*		*94*	*70-130*			
LCS Dup (2508191-BSD1)				Prepared: 08/19/2025 Analyzed: 08/21/2025						
1,1-Dichloroethene	61	0.50	ug/L	50.00		121	70-130	3	30	
Benzene	53	0.50	ug/L	50.00		107	70-130	0.8	30	
Chlorobenzene	50	0.50	ug/L	50.00		100	70-130	1	30	
Toluene	52	0.50	ug/L	50.00		104	70-130	4	30	
Trichloroethene	50	0.50	ug/L	50.00		100	70-130	0.2	30	
Surrogate: 4-Bromofluorobenzene	*53.5*		*ug/L*	*50.00*		*107*	*70-130*			
Surrogate: Dibromofluoromethane	*48.0*		*ug/L*	*50.00*		*96*	*70-130*			
Surrogate: Toluene-d8	*51.0*		*ug/L*	*50.00*		*102*	*70-130*			
LCS Dup (2508191-BSD2)				Prepared: 08/19/2025 Analyzed: 08/22/2025						
1,1-Dichloroethene	54	0.50	ug/L	50.00		107	70-130	11	30	
Benzene	46	0.50	ug/L	50.00		93	70-130	7	30	
Chlorobenzene	45	0.50	ug/L	50.00		91	70-130	8	30	
Toluene	47	0.50	ug/L	50.00		93	70-130	8	30	
Trichloroethene	44	0.50	ug/L	50.00		89	70-130	8	30	
Surrogate: 4-Bromofluorobenzene	*51.2*		*ug/L*	*50.00*		*102*	*70-130*			
Surrogate: Dibromofluoromethane	*45.1*		*ug/L*	*50.00*		*90*	*70-130*			
Surrogate: Toluene-d8	*47.3*		*ug/L*	*50.00*		*95*	*70-130*			
Matrix Spike (2508191-MS1)		**Source: 25H0239-01**		Prepared: 08/19/2025 Analyzed: 08/22/2025						
1,1-Dichloroethene	51	0.50	ug/L	50.00	0.74	100	70-130			
Benzene	50	0.50	ug/L	50.00	0.18	99	70-130			
Chlorobenzene	46	0.50	ug/L	50.00	0.25	92	70-130			
Toluene	47	0.50	ug/L	50.00	0.22	94	70-130			
Trichloroethene	58	0.50	ug/L	50.00	63	NR	70-130			M2
Surrogate: 4-Bromofluorobenzene	*54.4*		*ug/L*	*50.00*		*109*	*70-130*			
Surrogate: Dibromofluoromethane	*48.5*		*ug/L*	*50.00*		*97*	*70-130*			
Surrogate: Toluene-d8	*50.4*		*ug/L*	*50.00*		*101*	*70-130*			
Matrix Spike (2508191-MS2)		**Source: 25H0239-10**		Prepared: 08/19/2025 Analyzed: 08/22/2025						
1,1-Dichloroethene	54	0.50	ug/L	50.00	0.82	107	70-130			
Benzene	50	0.50	ug/L	50.00	0.56	98	70-130			
Chlorobenzene	45	0.50	ug/L	50.00	0.52	88	70-130			
Toluene	46	0.50	ug/L	50.00	0.62	91	70-130			
Trichloroethene	55	0.50	ug/L	50.00	57	NR	70-130			M2
Surrogate: 4-Bromofluorobenzene	*53.8*		*ug/L*	*50.00*		*108*	*70-130*			
Surrogate: Dibromofluoromethane	*50.0*		*ug/L*	*50.00*		*100*	*70-130*			
Surrogate: Toluene-d8	*50.2*		*ug/L*	*50.00*		*100*	*70-130*			

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0417
Date Received: 08/14/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2508191 - SW8260B										
Matrix Spike (2508191-MS3)	**Source: 25H0249-06**			Prepared: 08/19/2025 Analyzed: 08/22/2025						
1,1-Dichloroethene	74	0.50	ug/L	50.00	0.37	146	70-130			M1
Benzene	66	0.50	ug/L	50.00	0.082	133	70-130			M1
Chlorobenzene	52	0.50	ug/L	50.00	0.15	103	70-130			
Toluene	52	0.50	ug/L	50.00	0.14	104	70-130			
Trichloroethene	80	0.50	ug/L	50.00	110	NR	70-130			M2
Surrogate: 4-Bromofluorobenzene	*55.0*		*ug/L*	*50.00*		*110*	*70-130*			
Surrogate: Dibromofluoromethane	*58.1*		*ug/L*	*50.00*		*116*	*70-130*			
Surrogate: Toluene-d8	*48.3*		*ug/L*	*50.00*		*97*	*70-130*			
Matrix Spike Dup (2508191-MSD1)	**Source: 25H0239-01**			Prepared: 08/19/2025 Analyzed: 08/22/2025						
1,1-Dichloroethene	59	0.50	ug/L	50.00	0.74	116	70-130	14	30	
Benzene	53	0.50	ug/L	50.00	0.18	105	70-130	6	30	
Chlorobenzene	49	0.50	ug/L	50.00	0.25	98	70-130	6	30	
Toluene	50	0.50	ug/L	50.00	0.22	101	70-130	6	30	
Trichloroethene	61	0.50	ug/L	50.00	63	NR	70-130	5	30	M2
Surrogate: 4-Bromofluorobenzene	*53.6*		*ug/L*	*50.00*		*107*	*70-130*			
Surrogate: Dibromofluoromethane	*47.2*		*ug/L*	*50.00*		*94*	*70-130*			
Surrogate: Toluene-d8	*50.3*		*ug/L*	*50.00*		*101*	*70-130*			
Matrix Spike Dup (2508191-MSD2)	**Source: 25H0239-10**			Prepared: 08/19/2025 Analyzed: 08/22/2025						
1,1-Dichloroethene	59	0.50	ug/L	50.00	0.82	116	70-130	8	30	
Benzene	55	0.50	ug/L	50.00	0.56	109	70-130	10	30	
Chlorobenzene	50	0.50	ug/L	50.00	0.52	99	70-130	11	30	
Toluene	50	0.50	ug/L	50.00	0.62	99	70-130	8	30	
Trichloroethene	60	0.50	ug/L	50.00	57	7	70-130	9	30	M2
Surrogate: 4-Bromofluorobenzene	*54.6*		*ug/L*	*50.00*		*109*	*70-130*			
Surrogate: Dibromofluoromethane	*49.5*		*ug/L*	*50.00*		*99*	*70-130*			
Surrogate: Toluene-d8	*50.1*		*ug/L*	*50.00*		*100*	*70-130*			
Matrix Spike Dup (2508191-MSD3)	**Source: 25H0249-06**			Prepared: 08/19/2025 Analyzed: 08/22/2025						
1,1-Dichloroethene	59	0.50	ug/L	50.00	0.37	117	70-130	22	30	
Benzene	54	0.50	ug/L	50.00	0.082	108	70-130	20	30	
Chlorobenzene	49	0.50	ug/L	50.00	0.15	98	70-130	5	30	
Toluene	51	0.50	ug/L	50.00	0.14	101	70-130	3	30	
Trichloroethene	71	0.50	ug/L	50.00	110	NR	70-130	12	30	M2
Surrogate: 4-Bromofluorobenzene	*54.1*		*ug/L*	*50.00*		*108*	*70-130*			
Surrogate: Dibromofluoromethane	*49.3*		*ug/L*	*50.00*		*99*	*70-130*			
Surrogate: Toluene-d8	*51.2*		*ug/L*	*50.00*		*102*	*70-130*			
Batch 2508270 - SW8260B										

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0417
Date Received: 08/14/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2508270 - SW8260B										
Blank (2508270-BLK1)				Prepared & Analyzed: 08/26/2025						
1,1,1-Trichloroethane	ND	0.50	ug/L							
1,1,2-Trichlorotrifluoroethane	ND	5.0	ug/L							
1,1-Dichloroethane	ND	0.50	ug/L							
1,1-Dichloroethene	ND	0.50	ug/L							
1,2-Dichloroethane	ND	0.50	ug/L							
1,2-Dichloropropane	ND	0.50	ug/L							
2-Butanone (MEK)	ND	10	ug/L							
Acetone	ND	10	ug/L							
Benzene	ND	0.50	ug/L							
Bromodichloromethane	ND	0.50	ug/L							
Bromoform	ND	2.0	ug/L							
Carbon tetrachloride	ND	0.50	ug/L							
Chlorobenzene	ND	0.50	ug/L							
Chloroform	ND	0.50	ug/L							
Chloromethane	ND	1.0	ug/L							
cis-1,2-Dichloroethene	ND	0.50	ug/L							
Dibromochloromethane	ND	0.50	ug/L							
Dichlorodifluoromethane	ND	0.50	ug/L							
Ethylbenzene	ND	0.50	ug/L							
m,p-Xylene	ND	1.0	ug/L							
Methylene chloride	ND	1.0	ug/L							
o-Xylene	ND	0.50	ug/L							
Tetrachloroethene	ND	0.50	ug/L							
Toluene	ND	0.50	ug/L							
trans-1,2-Dichloroethene	ND	0.50	ug/L							
Trichloroethene	ND	0.50	ug/L							
Trichlorofluoromethane	ND	0.50	ug/L							
Vinyl chloride	ND	0.50	ug/L							
Surrogate: 4-Bromofluorobenzene	*58.2*		*ug/L*	*50.00*		*116*	*70-130*			
Surrogate: Dibromofluoromethane	*50.3*		*ug/L*	*50.00*		*101*	*70-130*			
Surrogate: Toluene-d8	*55.9*		*ug/L*	*50.00*		*112*	*70-130*			

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0417
Date Received: 08/14/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2508270 - SW8260B										
Blank (2508270-BLK2)				Prepared: 08/26/2025 Analyzed: 08/27/2025						
1,1,1-Trichloroethane	ND	0.50	ug/L							
1,1,2-Trichlorotrifluoroethane	ND	5.0	ug/L							
1,1-Dichloroethane	ND	0.50	ug/L							
1,1-Dichloroethene	ND	0.50	ug/L							
1,2-Dichloroethane	ND	0.50	ug/L							
1,2-Dichloropropane	ND	0.50	ug/L							
2-Butanone (MEK)	ND	10	ug/L							
Acetone	ND	10	ug/L							
Benzene	ND	0.50	ug/L							
Bromodichloromethane	ND	0.50	ug/L							
Bromoform	ND	2.0	ug/L							
Carbon tetrachloride	ND	0.50	ug/L							
Chlorobenzene	ND	0.50	ug/L							
Chloroform	ND	0.50	ug/L							
Chloromethane	ND	1.0	ug/L							
cis-1,2-Dichloroethene	ND	0.50	ug/L							
Dibromochloromethane	ND	0.50	ug/L							
Dichlorodifluoromethane	ND	0.50	ug/L							
Ethylbenzene	ND	0.50	ug/L							
m,p-Xylene	ND	1.0	ug/L							
Methylene chloride	ND	1.0	ug/L							
o-Xylene	ND	0.50	ug/L							
Tetrachloroethene	ND	0.50	ug/L							
Toluene	ND	0.50	ug/L							
trans-1,2-Dichloroethene	ND	0.50	ug/L							
Trichloroethene	ND	0.50	ug/L							
Trichlorofluoromethane	ND	0.50	ug/L							
Vinyl chloride	ND	0.50	ug/L							
Surrogate: 4-Bromofluorobenzene	*45.0*		*ug/L*	*50.00*		*90*	*70-130*			
Surrogate: Dibromofluoromethane	*43.6*		*ug/L*	*50.00*		*87*	*70-130*			
Surrogate: Toluene-d8	*47.2*		*ug/L*	*50.00*		*94*	*70-130*			
LCS (2508270-BS1)				Prepared & Analyzed: 08/26/2025						
1,1-Dichloroethene	48	0.50	ug/L	50.00		96	70-130			
Benzene	45	0.50	ug/L	50.00		90	70-130			
Chlorobenzene	44	0.50	ug/L	50.00		89	70-130			
Toluene	45	0.50	ug/L	50.00		90	70-130			
Trichloroethene	43	0.50	ug/L	50.00		86	70-130			
Surrogate: 4-Bromofluorobenzene	*54.6*		*ug/L*	*50.00*		*109*	*70-130*			
Surrogate: Dibromofluoromethane	*47.4*		*ug/L*	*50.00*		*95*	*70-130*			
Surrogate: Toluene-d8	*51.9*		*ug/L*	*50.00*		*104*	*70-130*			

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0417
Date Received: 08/14/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2508270 - SW8260B										
LCS (2508270-BS2)				Prepared: 08/26/2025 Analyzed: 08/27/2025						
1,1-Dichloroethene	52	0.50	ug/L	50.00		105	70-130			
Benzene	50	0.50	ug/L	50.00		99	70-130			
Chlorobenzene	50	0.50	ug/L	50.00		99	70-130			
Toluene	50	0.50	ug/L	50.00		101	70-130			
Trichloroethene	49	0.50	ug/L	50.00		97	70-130			
Surrogate: 4-Bromofluorobenzene	*54.1*		*ug/L*	*50.00*		*108*	*70-130*			
Surrogate: Dibromofluoromethane	*45.2*		*ug/L*	*50.00*		*90*	*70-130*			
Surrogate: Toluene-d8	*50.7*		*ug/L*	*50.00*		*101*	*70-130*			
LCS Dup (2508270-BSD1)				Prepared & Analyzed: 08/26/2025						
1,1-Dichloroethene	52	0.50	ug/L	50.00		105	70-130	8	30	
Benzene	49	0.50	ug/L	50.00		98	70-130	8	30	
Chlorobenzene	47	0.50	ug/L	50.00		94	70-130	5	30	
Toluene	47	0.50	ug/L	50.00		94	70-130	4	30	
Trichloroethene	47	0.50	ug/L	50.00		94	70-130	8	30	
Surrogate: 4-Bromofluorobenzene	*55.1*		*ug/L*	*50.00*		*110*	*70-130*			
Surrogate: Dibromofluoromethane	*47.9*		*ug/L*	*50.00*		*96*	*70-130*			
Surrogate: Toluene-d8	*51.5*		*ug/L*	*50.00*		*103*	*70-130*			
LCS Dup (2508270-BSD2)				Prepared: 08/26/2025 Analyzed: 08/27/2025						
1,1-Dichloroethene	53	0.50	ug/L	50.00		106	70-130	2	30	
Benzene	50	0.50	ug/L	50.00		100	70-130	0.6	30	
Chlorobenzene	51	0.50	ug/L	50.00		101	70-130	2	30	
Toluene	50	0.50	ug/L	50.00		100	70-130	0.8	30	
Trichloroethene	49	0.50	ug/L	50.00		98	70-130	0.9	30	
Surrogate: 4-Bromofluorobenzene	*59.8*		*ug/L*	*50.00*		*120*	*70-130*			
Surrogate: Dibromofluoromethane	*50.5*		*ug/L*	*50.00*		*101*	*70-130*			
Surrogate: Toluene-d8	*55.3*		*ug/L*	*50.00*		*111*	*70-130*			
Matrix Spike (2508270-MS1)		**Source: 25H0327-01**		Prepared: 08/26/2025 Analyzed: 08/27/2025						
1,1-Dichloroethene	44	0.50	ug/L	50.00	ND	89	70-130			
Benzene	48	0.50	ug/L	50.00	ND	97	70-130			
Chlorobenzene	47	0.50	ug/L	50.00	ND	94	70-130			
Toluene	46	0.50	ug/L	50.00	0.061	91	70-130			
Trichloroethene	44	0.50	ug/L	50.00	ND	88	70-130			
Surrogate: 4-Bromofluorobenzene	*62.6*		*ug/L*	*50.00*		*125*	*70-130*			
Surrogate: Dibromofluoromethane	*51.6*		*ug/L*	*50.00*		*103*	*70-130*			
Surrogate: Toluene-d8	*56.5*		*ug/L*	*50.00*		*113*	*70-130*			
Matrix Spike (2508270-MS2)		**Source: 25H0327-03**		Prepared: 08/26/2025 Analyzed: 08/27/2025						
1,1-Dichloroethene	52	0.50	ug/L	50.00	ND	104	70-130			
Benzene	52	0.50	ug/L	50.00	ND	105	70-130			
Chlorobenzene	52	0.50	ug/L	50.00	ND	104	70-130			
Toluene	63	0.50	ug/L	50.00	11	104	70-130			
Trichloroethene	50	0.50	ug/L	50.00	ND	99	70-130			
Surrogate: 4-Bromofluorobenzene	*63.5*		*ug/L*	*50.00*		*127*	*70-130*			
Surrogate: Dibromofluoromethane	*54.2*		*ug/L*	*50.00*		*108*	*70-130*			
Surrogate: Toluene-d8	*59.1*		*ug/L*	*50.00*		*118*	*70-130*			

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0417
Date Received: 08/14/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2508270 - SW8260B										
Matrix Spike (2508270-MS3)		**Source: 25H0384-01**		Prepared: 08/26/2025 Analyzed: 08/27/2025						
1,1-Dichloroethene	52	0.50	ug/L	50.00	ND	104	70-130			
Benzene	50	0.50	ug/L	50.00	ND	100	70-130			
Chlorobenzene	52	0.50	ug/L	50.00	ND	104	70-130			
Toluene	52	0.50	ug/L	50.00	ND	103	70-130			
Trichloroethene	50	0.50	ug/L	50.00	ND	99	70-130			
Surrogate: 4-Bromofluorobenzene	*61.4*		*ug/L*	*50.00*		*123*	*70-130*			
Surrogate: Dibromofluoromethane	*51.1*		*ug/L*	*50.00*		*102*	*70-130*			
Surrogate: Toluene-d8	*56.9*		*ug/L*	*50.00*		*114*	*70-130*			
Matrix Spike Dup (2508270-MSD1)		**Source: 25H0327-01**		Prepared: 08/26/2025 Analyzed: 08/27/2025						
1,1-Dichloroethene	50	0.50	ug/L	50.00	ND	100	70-130	12	30	
Benzene	50	0.50	ug/L	50.00	ND	100	70-130	3	30	
Chlorobenzene	51	0.50	ug/L	50.00	ND	102	70-130	8	30	
Toluene	50	0.50	ug/L	50.00	0.061	100	70-130	9	30	
Trichloroethene	48	0.50	ug/L	50.00	ND	96	70-130	8	30	
Surrogate: 4-Bromofluorobenzene	*63.2*		*ug/L*	*50.00*		*126*	*70-130*			
Surrogate: Dibromofluoromethane	*52.5*		*ug/L*	*50.00*		*105*	*70-130*			
Surrogate: Toluene-d8	*57.6*		*ug/L*	*50.00*		*115*	*70-130*			
Matrix Spike Dup (2508270-MSD2)		**Source: 25H0327-03**		Prepared: 08/26/2025 Analyzed: 08/27/2025						
1,1-Dichloroethene	52	0.50	ug/L	50.00	ND	105	70-130	0.7	30	
Benzene	52	0.50	ug/L	50.00	ND	104	70-130	0.1	30	
Chlorobenzene	52	0.50	ug/L	50.00	ND	105	70-130	1	30	
Toluene	65	0.50	ug/L	50.00	11	107	70-130	2	30	
Trichloroethene	50	0.50	ug/L	50.00	ND	100	70-130	0.7	30	
Surrogate: 4-Bromofluorobenzene	*61.5*		*ug/L*	*50.00*		*123*	*70-130*			
Surrogate: Dibromofluoromethane	*53.3*		*ug/L*	*50.00*		*107*	*70-130*			
Surrogate: Toluene-d8	*57.6*		*ug/L*	*50.00*		*115*	*70-130*			
Matrix Spike Dup (2508270-MSD3)		**Source: 25H0384-01**		Prepared: 08/26/2025 Analyzed: 08/27/2025						
1,1-Dichloroethene	53	0.50	ug/L	50.00	ND	107	70-130	2	30	
Benzene	50	0.50	ug/L	50.00	ND	100	70-130	0.5	30	
Chlorobenzene	51	0.50	ug/L	50.00	ND	102	70-130	2	30	
Toluene	50	0.50	ug/L	50.00	ND	100	70-130	3	30	
Trichloroethene	50	0.50	ug/L	50.00	ND	100	70-130	1	30	
Surrogate: 4-Bromofluorobenzene	*62.5*		*ug/L*	*50.00*		*125*	*70-130*			
Surrogate: Dibromofluoromethane	*50.9*		*ug/L*	*50.00*		*102*	*70-130*			
Surrogate: Toluene-d8	*56.9*		*ug/L*	*50.00*		*114*	*70-130*			

TURNER LABORATORIES INC.
2445 N. Coyote Drive, Suite 104
Tucson, Arizona 85745
(520) 882-5880
Fax: (520) 882-9788
www.turnerlabs.com

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

TURNER WORK ORDER # 25H0417 DATE _____ PAGE 1 OF 1

PROJECT NAME TIA Routine OP # 12619196.5.5.7
CONTACT NAME : Justin Berkompas
COMPANY NAME : GHD Services, Inc.
ADDRESS :333 E Wetmore Rd. Suite 100
CITY Tucson STATE AZ ZIP CODE 85705
PHONE 720-974-0964 FAX
SAMPLER'S SIGNATURE [signature]

CIRCLE ANALYSIS REQUESTED AND/OR CHECK THE APPROPRIATE BOX

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX*	NUMBER OF CONTAINERS	8260	Expect High Result
GW-081125-EH-92	8/11/25	1005		GW	3	X	
GW-081125-EH-TB	8/11/25	1005		GW	3		
GW-081125-EH-93	8/11/25	1235		GW	3		
GW-081125-EH-94	8/11/25	1615		GW			
GW-081125-EH-95	8/11/25	1625		GW			
GW-081225-EH-96	8/12/25	1005		GW			X
GW-081225-EH-97	8/12/25	1015		GW			
GW-081225-EH-98	8/12/25	1355		GW			

1. RELINQUISHED BY: [signature]
Signature
Elyah Hareid
Printed Name
GHD Services Inc.
Firm
08/14/25 1420
Date/Time

2. RECEIVED BY:
Signature
Printed Name
Firm
Date/Time

TURNAROUND REQUIREMENTS:
____ Standard (approx.10 days)*
____ Next day ____ 2 Day ____ 5 Day*
____ Email Preliminary Results To:
* Working Days

REPORT REQUIREMENTS:
____ I. Routine Report
____ II. Report (includes DUP,MS,MSD, as required, may be charged as samples)
____ III. Date Validation Report (includes All Raw Data)
Add 10% to invoice

INVOICE INFORMATION:
Account ____ Y ____ N
P.O. # ____
Bill to: ____

SAMPLE RECEIPT: JR-48
Total Containers ____
Temperature 4.2
☒ Wet Ice ☐ Blue Ice

3. RELINQUISHED BY:
Signature
Printed Name
Firm
Date/Time

4. RECEIVED BY: [signature]
Signature
Kaitlyn Roberts
Printed Name
TURNER LABORATORIES, INC.
Firm
8/14 1420
Date/Time

*LEGEND
DW = DRINKING WATER
GW = GROUNDWATER
SD = SOLID
SG = SLUDGE
SL = SOIL
ST = STORMWATER
WW = WASTEWATER

SPECIAL INSTRUCTIONS/COMMENTS:

Compliance Analysis:	☐ Yes ☐ No	Custody Seals	☐	Preservation Confirmation	☒
ADEQ Forms:	☐ Yes ☐ No	Container Intact	☒	Appropriate Head Space	☒
Mail ADEQ Forms:	☐ Yes ☐ No	COC/Labels Agree	☒	Received Within Hold Time	☒

September 10, 2025

Justin Berkompas
GHD Services, Inc. - Tucson
6700 N. Oracle Rd. Suite 238
Tucson, AZ 85704

TEL (520) 203-0701
FAX

Work Order No.: 25H0416
Order Name: 12619196.5.5.7

RE: TIA Routine Op

Dear Justin Berkompas,

Turner Laboratories, Inc. received 8 sample(s) on 08/14/2025 for the analyses presented in the following report.

All results are intended to be considered in their entirety, and Turner Laboratories, Inc. is not responsible for use of less than the complete report. Results apply only to the samples analyzed. Samples will be disposed of 30 days after issue of our report unless special arrangements are made.

The pages that follow may contain sensitive, privileged or confidential information intended solely for the addressee named above. If you receive this message and are not the agent or employee of the addressee, this communication has been sent in error. Please do not disseminate or copy any of the attached and notify the sender immediately by telephone. Please also return the attached sheet(s) to the sender by mail.

Please call if you have any questions.

Respectfully submitted,

Turner Laboratories, Inc.
ADHS License AZ0066

Elizabeth Kasik
Laboratory Director

Turner Laboratories, Inc.

Date: 09/10/2025

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0416
Date Received: 08/14/2025

Order: 12619196.5.5.7

Work Order Sample Summary

Lab Sample ID	Client Sample ID	Matrix	Collection Date/Time
25H0416-01	GW-081325-EH-99	Ground Water	08/13/2025 1415
25H0416-02	GW-081325-EH-EB1	Ground Water	08/13/2025 1505
25H0416-03	GW-081425-EH-100	Ground Water	08/14/2025 0725
25H0416-04	GW-081425-EH-101	Ground Water	08/14/2025 0855
25H0416-05	GW-081425-EH-102	Ground Water	08/14/2025 0857
25H0416-06	GW-081425-EH-103	Ground Water	08/14/2025 1035
25H0416-07	GW-081425-EH-104	Ground Water	08/14/2025 1205
25H0416-08	GW-081425-EH-105	Ground Water	08/14/2025 1207

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0416
Date Received: 08/14/2025

Case Narrative

V9: The associated CCV recovered 1% below the acceptance criteria for Dichlorodifluoromethane. The samples were re-run with an acceptable CCV outside of holding to confirm the initial result.

C4	Confirmatory analysis was past holding time
V9	CCV recovery was below method acceptance limits.

All soil, sludge, and solid matrix determinations are reported on a wet weight basis unless otherwise noted.

ND	Not Detected at or above the PQL
PQL	Practical Quantitation Limit
DF	Dilution Factor

Turner Laboratories, Inc.

Date: 09/10/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-081325-EH-99
Project:	TIA Routine Op	**Collection Date/Time:**	08/13/2025 1415
Work Order:	25H0416	**Matrix:**	Ground Water
Lab Sample ID:	25H0416-01	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0435	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/26/2025 0800	08/27/2025 0435	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0435	PB
1,1-Dichloroethene	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0435	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0435	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0435	PB
2-Butanone (MEK)	ND	10		ug/L	1	08/26/2025 0800	08/27/2025 0435	PB
Acetone	ND	10		ug/L	1	08/26/2025 0800	08/27/2025 0435	PB
Benzene	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0435	PB
Bromodichloromethane	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0435	PB
Bromoform	ND	2.0		ug/L	1	08/26/2025 0800	08/27/2025 0435	PB
Carbon tetrachloride	6.3	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0435	PB
Chlorobenzene	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0435	PB
Chloroform	1.1	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0435	PB
Chloromethane	ND	1.0		ug/L	1	08/26/2025 0800	08/27/2025 0435	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0435	PB
Dibromochloromethane	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0435	PB
Dichlorodifluoromethane	ND	0.50	V9	ug/L	1	08/26/2025 0800	08/27/2025 0435	PB
Dichlorodifluoromethane	ND	0.50	C4	ug/L	1	09/09/2025 0800	09/09/2025 1558	PB
Ethylbenzene	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0435	PB
m,p-Xylene	ND	1.0		ug/L	1	08/26/2025 0800	08/27/2025 0435	PB
Methylene chloride	ND	1.0		ug/L	1	08/26/2025 0800	08/27/2025 0435	PB
o-Xylene	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0435	PB
Tetrachloroethene	0.66	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0435	PB
Toluene	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0435	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0435	PB
Trichloroethene	0.99	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0435	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0435	PB
Vinyl chloride	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0435	PB
Surr: 4-Bromofluorobenzene	*105*	*70-130*	*C4*	*%REC*	*1*	*09/09/2025 0800*	*09/09/2025 1558*	*PB*
Surr: 4-Bromofluorobenzene	*116*	*70-130*		*%REC*	*1*	*08/26/2025 0800*	*08/27/2025 435*	*PB*
Surr: Dibromofluoromethane	*98*	*70-130*		*%REC*	*1*	*08/26/2025 0800*	*08/27/2025 435*	*PB*
Surr: Dibromofluoromethane	*92*	*70-130*	*C4*	*%REC*	*1*	*09/09/2025 0800*	*09/09/2025 1558*	*PB*
Surr: Toluene-d8	*100*	*70-130*	*C4*	*%REC*	*1*	*09/09/2025 0800*	*09/09/2025 1558*	*PB*
Surr: Toluene-d8	*109*	*70-130*		*%REC*	*1*	*08/26/2025 0800*	*08/27/2025 435*	*PB*

Turner Laboratories, Inc.

Date: 09/10/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-081325-EH-EB1
Project:	TIA Routine Op	**Collection Date/Time:**	08/13/2025 1505
Work Order:	25H0416	**Matrix:**	Ground Water
Lab Sample ID:	25H0416-02	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0511	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/26/2025 0800	08/27/2025 0511	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0511	PB
1,1-Dichloroethene	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0511	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0511	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0511	PB
2-Butanone (MEK)	ND	10		ug/L	1	08/26/2025 0800	08/27/2025 0511	PB
Acetone	ND	10		ug/L	1	08/26/2025 0800	08/27/2025 0511	PB
Benzene	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0511	PB
Bromodichloromethane	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0511	PB
Bromoform	ND	2.0		ug/L	1	08/26/2025 0800	08/27/2025 0511	PB
Carbon tetrachloride	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0511	PB
Chlorobenzene	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0511	PB
Chloroform	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0511	PB
Chloromethane	ND	1.0		ug/L	1	08/26/2025 0800	08/27/2025 0511	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0511	PB
Dibromochloromethane	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0511	PB
Dichlorodifluoromethane	ND	0.50	V9	ug/L	1	08/26/2025 0800	08/27/2025 0511	PB
Dichlorodifluoromethane	ND	0.50	C4	ug/L	1	09/09/2025 0800	09/09/2025 1633	PB
Ethylbenzene	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0511	PB
m,p-Xylene	ND	1.0		ug/L	1	08/26/2025 0800	08/27/2025 0511	PB
Methylene chloride	ND	1.0		ug/L	1	08/26/2025 0800	08/27/2025 0511	PB
o-Xylene	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0511	PB
Tetrachloroethene	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0511	PB
Toluene	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0511	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0511	PB
Trichloroethene	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0511	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0511	PB
Vinyl chloride	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0511	PB
Surr: 4-Bromofluorobenzene	*110*	*70-130*	*C4*	*%REC*	*1*	*09/09/2025 0800*	*09/09/2025 1633*	*PB*
Surr: 4-Bromofluorobenzene	*120*	*70-130*		*%REC*	*1*	*08/26/2025 0800*	*08/27/2025 511*	*PB*
Surr: Dibromofluoromethane	*103*	*70-130*		*%REC*	*1*	*08/26/2025 0800*	*08/27/2025 511*	*PB*
Surr: Dibromofluoromethane	*94*	*70-130*	*C4*	*%REC*	*1*	*09/09/2025 0800*	*09/09/2025 1633*	*PB*
Surr: Toluene-d8	*115*	*70-130*		*%REC*	*1*	*08/26/2025 0800*	*08/27/2025 511*	*PB*
Surr: Toluene-d8	*100*	*70-130*	*C4*	*%REC*	*1*	*09/09/2025 0800*	*09/09/2025 1633*	*PB*

Turner Laboratories, Inc.

Date: 09/10/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-081425-EH-100
Project:	TIA Routine Op	**Collection Date/Time:**	08/14/2025 0725
Work Order:	25H0416	**Matrix:**	Ground Water
Lab Sample ID:	25H0416-03	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50	C4	ug/L	1	09/09/2025 0800	09/09/2025 1709	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0	C4	ug/L	1	09/09/2025 0800	09/09/2025 1709	PB
1,1-Dichloroethane	ND	0.50	C4	ug/L	1	09/09/2025 0800	09/09/2025 1709	PB
1,1-Dichloroethene	ND	0.50	C4	ug/L	1	09/09/2025 0800	09/09/2025 1709	PB
1,2-Dichloroethane	ND	0.50	C4	ug/L	1	09/09/2025 0800	09/09/2025 1709	PB
1,2-Dichloropropane	ND	0.50	C4	ug/L	1	09/09/2025 0800	09/09/2025 1709	PB
2-Butanone (MEK)	ND	10	C4	ug/L	1	09/09/2025 0800	09/09/2025 1709	PB
Acetone	ND	10	C4	ug/L	1	09/09/2025 0800	09/09/2025 1709	PB
Benzene	ND	0.50	C4	ug/L	1	09/09/2025 0800	09/09/2025 1709	PB
Bromodichloromethane	ND	0.50	C4	ug/L	1	09/09/2025 0800	09/09/2025 1709	PB
Bromoform	ND	2.0	C4	ug/L	1	09/09/2025 0800	09/09/2025 1709	PB
Carbon tetrachloride	1.5	0.50	C4	ug/L	1	09/09/2025 0800	09/09/2025 1709	PB
Chlorobenzene	ND	0.50	C4	ug/L	1	09/09/2025 0800	09/09/2025 1709	PB
Chloroform	ND	0.50	C4	ug/L	1	09/09/2025 0800	09/09/2025 1709	PB
Chloromethane	ND	1.0	C4	ug/L	1	09/09/2025 0800	09/09/2025 1709	PB
cis-1,2-Dichloroethene	ND	0.50	C4	ug/L	1	09/09/2025 0800	09/09/2025 1709	PB
Dibromochloromethane	ND	0.50	C4	ug/L	1	09/09/2025 0800	09/09/2025 1709	PB
Dichlorodifluoromethane	ND	0.50	C4	ug/L	1	09/09/2025 0800	09/09/2025 1709	PB
Ethylbenzene	ND	0.50	C4	ug/L	1	09/09/2025 0800	09/09/2025 1709	PB
m,p-Xylene	ND	1.0	C4	ug/L	1	09/09/2025 0800	09/09/2025 1709	PB
Methylene chloride	ND	1.0	C4	ug/L	1	09/09/2025 0800	09/09/2025 1709	PB
o-Xylene	ND	0.50	C4	ug/L	1	09/09/2025 0800	09/09/2025 1709	PB
Tetrachloroethene	3.8	0.50	C4	ug/L	1	09/09/2025 0800	09/09/2025 1709	PB
Toluene	ND	0.50	C4	ug/L	1	09/09/2025 0800	09/09/2025 1709	PB
trans-1,2-Dichloroethene	ND	0.50	C4	ug/L	1	09/09/2025 0800	09/09/2025 1709	PB
Trichloroethene	3.9	0.50	C4	ug/L	1	09/09/2025 0800	09/09/2025 1709	PB
Trichlorofluoromethane	ND	0.50	C4	ug/L	1	09/09/2025 0800	09/09/2025 1709	PB
Vinyl chloride	ND	0.50	C4	ug/L	1	09/09/2025 0800	09/09/2025 1709	PB
Surr: 4-Bromofluorobenzene	*108*	*70-130*	*C4*	*%REC*	*1*	*09/09/2025 0800*	*09/09/2025 1709*	*PB*
Surr: Dibromofluoromethane	*86*	*70-130*	*C4*	*%REC*	*1*	*09/09/2025 0800*	*09/09/2025 1709*	*PB*
Surr: Toluene-d8	*96*	*70-130*	*C4*	*%REC*	*1*	*09/09/2025 0800*	*09/09/2025 1709*	*PB*

Turner Laboratories, Inc.

Date: 09/10/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-081425-EH-101
Project:	TIA Routine Op	**Collection Date/Time:**	08/14/2025 0855
Work Order:	25H0416	**Matrix:**	Ground Water
Lab Sample ID:	25H0416-04	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0624	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/26/2025 0800	08/27/2025 0624	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0624	PB
1,1-Dichloroethene	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0624	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0624	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0624	PB
2-Butanone (MEK)	ND	10		ug/L	1	08/26/2025 0800	08/27/2025 0624	PB
Acetone	ND	10		ug/L	1	08/26/2025 0800	08/27/2025 0624	PB
Benzene	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0624	PB
Bromodichloromethane	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0624	PB
Bromoform	ND	2.0		ug/L	1	08/26/2025 0800	08/27/2025 0624	PB
Carbon tetrachloride	24	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0624	PB
Chlorobenzene	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0624	PB
Chloroform	3.5	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0624	PB
Chloromethane	ND	1.0		ug/L	1	08/26/2025 0800	08/27/2025 0624	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0624	PB
Dibromochloromethane	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0624	PB
Dichlorodifluoromethane	ND	0.50	V9	ug/L	1	08/26/2025 0800	08/27/2025 0624	PB
Dichlorodifluoromethane	ND	0.50	C4	ug/L	1	09/09/2025 0800	09/09/2025 1745	PB
Ethylbenzene	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0624	PB
m,p-Xylene	ND	1.0		ug/L	1	08/26/2025 0800	08/27/2025 0624	PB
Methylene chloride	ND	1.0		ug/L	1	08/26/2025 0800	08/27/2025 0624	PB
o-Xylene	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0624	PB
Tetrachloroethene	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0624	PB
Toluene	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0624	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0624	PB
Trichloroethene	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0624	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0624	PB
Vinyl chloride	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0624	PB
Surr: 4-Bromofluorobenzene	*108*	*70-130*	*C4*	*%REC*	*1*	*09/09/2025 0800*	*09/09/2025 1745*	*PB*
Surr: 4-Bromofluorobenzene	*108*	*70-130*		*%REC*	*1*	*08/26/2025 0800*	*08/27/2025 624*	*PB*
Surr: Dibromofluoromethane	*104*	*70-130*		*%REC*	*1*	*08/26/2025 0800*	*08/27/2025 624*	*PB*
Surr: Dibromofluoromethane	*86*	*70-130*	*C4*	*%REC*	*1*	*09/09/2025 0800*	*09/09/2025 1745*	*PB*
Surr: Toluene-d8	*111*	*70-130*		*%REC*	*1*	*08/26/2025 0800*	*08/27/2025 624*	*PB*
Surr: Toluene-d8	*95*	*70-130*	*C4*	*%REC*	*1*	*09/09/2025 0800*	*09/09/2025 1745*	*PB*

Turner Laboratories, Inc.

Date: 09/10/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-081425-EH-102
Project:	TIA Routine Op	**Collection Date/Time:**	08/14/2025 0857
Work Order:	25H0416	**Matrix:**	Ground Water
Lab Sample ID:	25H0416-05	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0700	PB
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/26/2025 0800	08/27/2025 0700	PB
1,1-Dichloroethane	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0700	PB
1,1-Dichloroethene	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0700	PB
1,2-Dichloroethane	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0700	PB
1,2-Dichloropropane	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0700	PB
2-Butanone (MEK)	ND	10		ug/L	1	08/26/2025 0800	08/27/2025 0700	PB
Acetone	ND	10		ug/L	1	08/26/2025 0800	08/27/2025 0700	PB
Benzene	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0700	PB
Bromodichloromethane	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0700	PB
Bromoform	ND	2.0		ug/L	1	08/26/2025 0800	08/27/2025 0700	PB
Carbon tetrachloride	23	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0700	PB
Chlorobenzene	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0700	PB
Chloroform	3.4	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0700	PB
Chloromethane	ND	1.0		ug/L	1	08/26/2025 0800	08/27/2025 0700	PB
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0700	PB
Dibromochloromethane	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0700	PB
Dichlorodifluoromethane	ND	0.50	V9	ug/L	1	08/26/2025 0800	08/27/2025 0700	PB
Dichlorodifluoromethane	ND	0.50	C4	ug/L	1	09/09/2025 0800	09/09/2025 1821	PB
Ethylbenzene	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0700	PB
m,p-Xylene	ND	1.0		ug/L	1	08/26/2025 0800	08/27/2025 0700	PB
Methylene chloride	ND	1.0		ug/L	1	08/26/2025 0800	08/27/2025 0700	PB
o-Xylene	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0700	PB
Tetrachloroethene	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0700	PB
Toluene	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0700	PB
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0700	PB
Trichloroethene	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0700	PB
Trichlorofluoromethane	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0700	PB
Vinyl chloride	ND	0.50		ug/L	1	08/26/2025 0800	08/27/2025 0700	PB
Surr: 4-Bromofluorobenzene	*109*	*70-130*	*C4*	*%REC*	*1*	*09/09/2025 0800*	*09/09/2025 1821*	*PB*
Surr: 4-Bromofluorobenzene	*87*	*70-130*		*%REC*	*1*	*08/26/2025 0800*	*08/27/2025 700*	*PB*
Surr: Dibromofluoromethane	*85*	*70-130*		*%REC*	*1*	*08/26/2025 0800*	*08/27/2025 700*	*PB*
Surr: Dibromofluoromethane	*90*	*70-130*	*C4*	*%REC*	*1*	*09/09/2025 0800*	*09/09/2025 1821*	*PB*
Surr: Toluene-d8	*91*	*70-130*		*%REC*	*1*	*08/26/2025 0800*	*08/27/2025 700*	*PB*
Surr: Toluene-d8	*98*	*70-130*	*C4*	*%REC*	*1*	*09/09/2025 0800*	*09/09/2025 1821*	*PB*

Turner Laboratories, Inc.

Date: 09/10/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-081425-EH-103
Project:	TIA Routine Op	**Collection Date/Time:**	08/14/2025 1035
Work Order:	25H0416	**Matrix:**	Ground Water
Lab Sample ID:	25H0416-06	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1617	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/28/2025 1122	08/28/2025 1617	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1617	KP
1,1-Dichloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1617	KP
1,2-Dichloroethane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1617	KP
1,2-Dichloropropane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1617	KP
2-Butanone (MEK)	ND	10		ug/L	1	08/28/2025 1122	08/28/2025 1617	KP
Acetone	ND	10		ug/L	1	08/28/2025 1122	08/28/2025 1617	KP
Benzene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1617	KP
Bromodichloromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1617	KP
Bromoform	ND	2.0		ug/L	1	08/28/2025 1122	08/28/2025 1617	KP
Carbon tetrachloride	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1617	KP
Chlorobenzene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1617	KP
Chloroform	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1617	KP
Chloromethane	ND	1.0		ug/L	1	08/28/2025 1122	08/28/2025 1617	KP
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1617	KP
Dibromochloromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1617	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1617	KP
Ethylbenzene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1617	KP
m,p-Xylene	ND	1.0		ug/L	1	08/28/2025 1122	08/28/2025 1617	KP
Methylene chloride	ND	1.0		ug/L	1	08/28/2025 1122	08/28/2025 1617	KP
o-Xylene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1617	KP
Tetrachloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1617	KP
Toluene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1617	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1617	KP
Trichloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1617	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1617	KP
Vinyl chloride	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1617	KP
Surr: 4-Bromofluorobenzene	*93*	*70-130*		*%REC*	*1*	*08/28/2025 1122*	*08/28/2025 1617*	*KP*
Surr: Dibromofluoromethane	*94*	*70-130*		*%REC*	*1*	*08/28/2025 1122*	*08/28/2025 1617*	*KP*
Surr: Toluene-d8	*93*	*70-130*		*%REC*	*1*	*08/28/2025 1122*	*08/28/2025 1617*	*KP*

Turner Laboratories, Inc.

Date: 09/10/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-081425-EH-104
Project:	TIA Routine Op	**Collection Date/Time:**	08/14/2025 1205
Work Order:	25H0416	**Matrix:**	Ground Water
Lab Sample ID:	25H0416-07	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1656	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/28/2025 1122	08/28/2025 1656	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1656	KP
1,1-Dichloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1656	KP
1,2-Dichloroethane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1656	KP
1,2-Dichloropropane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1656	KP
2-Butanone (MEK)	ND	10		ug/L	1	08/28/2025 1122	08/28/2025 1656	KP
Acetone	ND	10		ug/L	1	08/28/2025 1122	08/28/2025 1656	KP
Benzene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1656	KP
Bromodichloromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1656	KP
Bromoform	ND	2.0		ug/L	1	08/28/2025 1122	08/28/2025 1656	KP
Carbon tetrachloride	1.8	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1656	KP
Chlorobenzene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1656	KP
Chloroform	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1656	KP
Chloromethane	ND	1.0		ug/L	1	08/28/2025 1122	08/28/2025 1656	KP
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1656	KP
Dibromochloromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1656	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1656	KP
Ethylbenzene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1656	KP
m,p-Xylene	ND	1.0		ug/L	1	08/28/2025 1122	08/28/2025 1656	KP
Methylene chloride	ND	1.0		ug/L	1	08/28/2025 1122	08/28/2025 1656	KP
o-Xylene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1656	KP
Tetrachloroethene	27	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1656	KP
Toluene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1656	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1656	KP
Trichloroethene	16	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1656	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1656	KP
Vinyl chloride	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1656	KP
Surr: 4-Bromofluorobenzene	*88*	*70-130*		*%REC*	*1*	*08/28/2025 1122*	*08/28/2025 1656*	*KP*
Surr: Dibromofluoromethane	*94*	*70-130*		*%REC*	*1*	*08/28/2025 1122*	*08/28/2025 1656*	*KP*
Surr: Toluene-d8	*88*	*70-130*		*%REC*	*1*	*08/28/2025 1122*	*08/28/2025 1656*	*KP*

Turner Laboratories, Inc.

Date: 09/10/2025

Client:	GHD Services, Inc. - Tucson	**Client Sample ID:**	GW-081425-EH-105
Project:	TIA Routine Op	**Collection Date/Time:**	08/14/2025 1207
Work Order:	25H0416	**Matrix:**	Ground Water
Lab Sample ID:	25H0416-08	**Order Name:**	12619196.5.5.7

Analyses	Result	PQL	Qual	Units	DF	Prep Date	Analysis Date	Analyst
Volatile Organic Compounds by GC/MS-SW8260B								
1,1,1-Trichloroethane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1735	KP
1,1,2-Trichlorotrifluoroethane	ND	5.0		ug/L	1	08/28/2025 1122	08/28/2025 1735	KP
1,1-Dichloroethane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1735	KP
1,1-Dichloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1735	KP
1,2-Dichloroethane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1735	KP
1,2-Dichloropropane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1735	KP
2-Butanone (MEK)	ND	10		ug/L	1	08/28/2025 1122	08/28/2025 1735	KP
Acetone	ND	10		ug/L	1	08/28/2025 1122	08/28/2025 1735	KP
Benzene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1735	KP
Bromodichloromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1735	KP
Bromoform	ND	2.0		ug/L	1	08/28/2025 1122	08/28/2025 1735	KP
Carbon tetrachloride	1.8	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1735	KP
Chlorobenzene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1735	KP
Chloroform	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1735	KP
Chloromethane	ND	1.0		ug/L	1	08/28/2025 1122	08/28/2025 1735	KP
cis-1,2-Dichloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1735	KP
Dibromochloromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1735	KP
Dichlorodifluoromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1735	KP
Ethylbenzene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1735	KP
m,p-Xylene	ND	1.0		ug/L	1	08/28/2025 1122	08/28/2025 1735	KP
Methylene chloride	ND	1.0		ug/L	1	08/28/2025 1122	08/28/2025 1735	KP
o-Xylene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1735	KP
Tetrachloroethene	28	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1735	KP
Toluene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1735	KP
trans-1,2-Dichloroethene	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1735	KP
Trichloroethene	16	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1735	KP
Trichlorofluoromethane	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1735	KP
Vinyl chloride	ND	0.50		ug/L	1	08/28/2025 1122	08/28/2025 1735	KP
Surr: 4-Bromofluorobenzene	*88*	*70-130*		*%REC*	*1*	*08/28/2025 1122*	*08/28/2025 1735*	*KP*
Surr: Dibromofluoromethane	*92*	*70-130*		*%REC*	*1*	*08/28/2025 1122*	*08/28/2025 1735*	*KP*
Surr: Toluene-d8	*88*	*70-130*		*%REC*	*1*	*08/28/2025 1122*	*08/28/2025 1735*	*KP*

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0416
Date Received: 08/14/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2508270 - SW8260B										
Blank (2508270-BLK1)				Prepared & Analyzed: 08/26/2025						
1,1,1-Trichloroethane	ND	0.50	ug/L							
1,1,2-Trichlorotrifluoroethane	ND	5.0	ug/L							
1,1-Dichloroethane	ND	0.50	ug/L							
1,1-Dichloroethene	ND	0.50	ug/L							
1,2-Dichloroethane	ND	0.50	ug/L							
1,2-Dichloropropane	ND	0.50	ug/L							
2-Butanone (MEK)	ND	10	ug/L							
Acetone	ND	10	ug/L							
Benzene	ND	0.50	ug/L							
Bromodichloromethane	ND	0.50	ug/L							
Bromoform	ND	2.0	ug/L							
Carbon tetrachloride	ND	0.50	ug/L							
Chlorobenzene	ND	0.50	ug/L							
Chloroform	ND	0.50	ug/L							
Chloromethane	ND	1.0	ug/L							
cis-1,2-Dichloroethene	ND	0.50	ug/L							
Dibromochloromethane	ND	0.50	ug/L							
Dichlorodifluoromethane	ND	0.50	ug/L							
Ethylbenzene	ND	0.50	ug/L							
m,p-Xylene	ND	1.0	ug/L							
Methylene chloride	ND	1.0	ug/L							
o-Xylene	ND	0.50	ug/L							
Tetrachloroethene	ND	0.50	ug/L							
Toluene	ND	0.50	ug/L							
trans-1,2-Dichloroethene	ND	0.50	ug/L							
Trichloroethene	ND	0.50	ug/L							
Trichlorofluoromethane	ND	0.50	ug/L							
Vinyl chloride	ND	0.50	ug/L							
Surrogate: 4-Bromofluorobenzene	*58.2*		*ug/L*	*50.00*		*116*	*70-130*			
Surrogate: Dibromofluoromethane	*50.3*		*ug/L*	*50.00*		*101*	*70-130*			
Surrogate: Toluene-d8	*55.9*		*ug/L*	*50.00*		*112*	*70-130*			

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0416
Date Received: 08/14/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2508270 - SW8260B										
Blank (2508270-BLK2)				Prepared: 08/26/2025 Analyzed: 08/27/2025						
1,1,1-Trichloroethane	ND	0.50	ug/L							
1,1,2-Trichlorotrifluoroethane	ND	5.0	ug/L							
1,1-Dichloroethane	ND	0.50	ug/L							
1,1-Dichloroethene	ND	0.50	ug/L							
1,2-Dichloroethane	ND	0.50	ug/L							
1,2-Dichloropropane	ND	0.50	ug/L							
2-Butanone (MEK)	ND	10	ug/L							
Acetone	ND	10	ug/L							
Benzene	ND	0.50	ug/L							
Bromodichloromethane	ND	0.50	ug/L							
Bromoform	ND	2.0	ug/L							
Carbon tetrachloride	ND	0.50	ug/L							
Chlorobenzene	ND	0.50	ug/L							
Chloroform	ND	0.50	ug/L							
Chloromethane	ND	1.0	ug/L							
cis-1,2-Dichloroethene	ND	0.50	ug/L							
Dibromochloromethane	ND	0.50	ug/L							
Dichlorodifluoromethane	ND	0.50	ug/L							
Ethylbenzene	ND	0.50	ug/L							
m,p-Xylene	ND	1.0	ug/L							
Methylene chloride	ND	1.0	ug/L							
o-Xylene	ND	0.50	ug/L							
Tetrachloroethene	ND	0.50	ug/L							
Toluene	ND	0.50	ug/L							
trans-1,2-Dichloroethene	ND	0.50	ug/L							
Trichloroethene	ND	0.50	ug/L							
Trichlorofluoromethane	ND	0.50	ug/L							
Vinyl chloride	ND	0.50	ug/L							
Surrogate: 4-Bromofluorobenzene	*45.0*		*ug/L*	*50.00*		*90*	*70-130*			
Surrogate: Dibromofluoromethane	*43.6*		*ug/L*	*50.00*		*87*	*70-130*			
Surrogate: Toluene-d8	*47.2*		*ug/L*	*50.00*		*94*	*70-130*			
LCS (2508270-BS1)				Prepared & Analyzed: 08/26/2025						
1,1-Dichloroethene	48	0.50	ug/L	50.00		96	70-130			
Benzene	45	0.50	ug/L	50.00		90	70-130			
Chlorobenzene	44	0.50	ug/L	50.00		89	70-130			
Toluene	45	0.50	ug/L	50.00		90	70-130			
Trichloroethene	43	0.50	ug/L	50.00		86	70-130			
Surrogate: 4-Bromofluorobenzene	*54.6*		*ug/L*	*50.00*		*109*	*70-130*			
Surrogate: Dibromofluoromethane	*47.4*		*ug/L*	*50.00*		*95*	*70-130*			
Surrogate: Toluene-d8	*51.9*		*ug/L*	*50.00*		*104*	*70-130*			

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0416
Date Received: 08/14/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2508270 - SW8260B										
LCS (2508270-BS2)				Prepared: 08/26/2025 Analyzed: 08/27/2025						
1,1-Dichloroethene	52	0.50	ug/L	50.00		105	70-130			
Benzene	50	0.50	ug/L	50.00		99	70-130			
Chlorobenzene	50	0.50	ug/L	50.00		99	70-130			
Toluene	50	0.50	ug/L	50.00		101	70-130			
Trichloroethene	49	0.50	ug/L	50.00		97	70-130			
Surrogate: 4-Bromofluorobenzene	*54.1*		*ug/L*	*50.00*		*108*	*70-130*			
Surrogate: Dibromofluoromethane	*45.2*		*ug/L*	*50.00*		*90*	*70-130*			
Surrogate: Toluene-d8	*50.7*		*ug/L*	*50.00*		*101*	*70-130*			
LCS Dup (2508270-BSD1)				Prepared & Analyzed: 08/26/2025						
1,1-Dichloroethene	52	0.50	ug/L	50.00		105	70-130	8	30	
Benzene	49	0.50	ug/L	50.00		98	70-130	8	30	
Chlorobenzene	47	0.50	ug/L	50.00		94	70-130	5	30	
Toluene	47	0.50	ug/L	50.00		94	70-130	4	30	
Trichloroethene	47	0.50	ug/L	50.00		94	70-130	8	30	
Surrogate: 4-Bromofluorobenzene	*55.1*		*ug/L*	*50.00*		*110*	*70-130*			
Surrogate: Dibromofluoromethane	*47.9*		*ug/L*	*50.00*		*96*	*70-130*			
Surrogate: Toluene-d8	*51.5*		*ug/L*	*50.00*		*103*	*70-130*			
LCS Dup (2508270-BSD2)				Prepared: 08/26/2025 Analyzed: 08/27/2025						
1,1-Dichloroethene	53	0.50	ug/L	50.00		106	70-130	2	30	
Benzene	50	0.50	ug/L	50.00		100	70-130	0.6	30	
Chlorobenzene	51	0.50	ug/L	50.00		101	70-130	2	30	
Toluene	50	0.50	ug/L	50.00		100	70-130	0.8	30	
Trichloroethene	49	0.50	ug/L	50.00		98	70-130	0.9	30	
Surrogate: 4-Bromofluorobenzene	*59.8*		*ug/L*	*50.00*		*120*	*70-130*			
Surrogate: Dibromofluoromethane	*50.5*		*ug/L*	*50.00*		*101*	*70-130*			
Surrogate: Toluene-d8	*55.3*		*ug/L*	*50.00*		*111*	*70-130*			
Matrix Spike (2508270-MS1)		**Source: 25H0327-01**		Prepared: 08/26/2025 Analyzed: 08/27/2025						
1,1-Dichloroethene	44	0.50	ug/L	50.00	ND	89	70-130			
Benzene	48	0.50	ug/L	50.00	ND	97	70-130			
Chlorobenzene	47	0.50	ug/L	50.00	ND	94	70-130			
Toluene	46	0.50	ug/L	50.00	0.061	91	70-130			
Trichloroethene	44	0.50	ug/L	50.00	ND	88	70-130			
Surrogate: 4-Bromofluorobenzene	*62.6*		*ug/L*	*50.00*		*125*	*70-130*			
Surrogate: Dibromofluoromethane	*51.6*		*ug/L*	*50.00*		*103*	*70-130*			
Surrogate: Toluene-d8	*56.5*		*ug/L*	*50.00*		*113*	*70-130*			
Matrix Spike (2508270-MS2)		**Source: 25H0327-03**		Prepared: 08/26/2025 Analyzed: 08/27/2025						
1,1-Dichloroethene	52	0.50	ug/L	50.00	ND	104	70-130			
Benzene	52	0.50	ug/L	50.00	ND	105	70-130			
Chlorobenzene	52	0.50	ug/L	50.00	ND	104	70-130			
Toluene	63	0.50	ug/L	50.00	11	104	70-130			
Trichloroethene	50	0.50	ug/L	50.00	ND	99	70-130			
Surrogate: 4-Bromofluorobenzene	*63.5*		*ug/L*	*50.00*		*127*	*70-130*			
Surrogate: Dibromofluoromethane	*54.2*		*ug/L*	*50.00*		*108*	*70-130*			
Surrogate: Toluene-d8	*59.1*		*ug/L*	*50.00*		*118*	*70-130*			

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0416
Date Received: 08/14/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2508270 - SW8260B										
Matrix Spike (2508270-MS3)		**Source: 25H0384-01**		Prepared: 08/26/2025 Analyzed: 08/27/2025						
1,1-Dichloroethene	52	0.50	ug/L	50.00	ND	104	70-130			
Benzene	50	0.50	ug/L	50.00	ND	100	70-130			
Chlorobenzene	52	0.50	ug/L	50.00	ND	104	70-130			
Toluene	52	0.50	ug/L	50.00	ND	103	70-130			
Trichloroethene	50	0.50	ug/L	50.00	ND	99	70-130			
Surrogate: 4-Bromofluorobenzene	*61.4*		*ug/L*	*50.00*		*123*	*70-130*			
Surrogate: Dibromofluoromethane	*51.1*		*ug/L*	*50.00*		*102*	*70-130*			
Surrogate: Toluene-d8	*56.9*		*ug/L*	*50.00*		*114*	*70-130*			
Matrix Spike Dup (2508270-MSD1)		**Source: 25H0327-01**		Prepared: 08/26/2025 Analyzed: 08/27/2025						
1,1-Dichloroethene	50	0.50	ug/L	50.00	ND	100	70-130	12	30	
Benzene	50	0.50	ug/L	50.00	ND	100	70-130	3	30	
Chlorobenzene	51	0.50	ug/L	50.00	ND	102	70-130	8	30	
Toluene	50	0.50	ug/L	50.00	0.061	100	70-130	9	30	
Trichloroethene	48	0.50	ug/L	50.00	ND	96	70-130	8	30	
Surrogate: 4-Bromofluorobenzene	*63.2*		*ug/L*	*50.00*		*126*	*70-130*			
Surrogate: Dibromofluoromethane	*52.5*		*ug/L*	*50.00*		*105*	*70-130*			
Surrogate: Toluene-d8	*57.6*		*ug/L*	*50.00*		*115*	*70-130*			
Matrix Spike Dup (2508270-MSD2)		**Source: 25H0327-03**		Prepared: 08/26/2025 Analyzed: 08/27/2025						
1,1-Dichloroethene	52	0.50	ug/L	50.00	ND	105	70-130	0.7	30	
Benzene	52	0.50	ug/L	50.00	ND	104	70-130	0.1	30	
Chlorobenzene	52	0.50	ug/L	50.00	ND	105	70-130	1	30	
Toluene	65	0.50	ug/L	50.00	11	107	70-130	2	30	
Trichloroethene	50	0.50	ug/L	50.00	ND	100	70-130	0.7	30	
Surrogate: 4-Bromofluorobenzene	*61.5*		*ug/L*	*50.00*		*123*	*70-130*			
Surrogate: Dibromofluoromethane	*53.3*		*ug/L*	*50.00*		*107*	*70-130*			
Surrogate: Toluene-d8	*57.6*		*ug/L*	*50.00*		*115*	*70-130*			
Matrix Spike Dup (2508270-MSD3)		**Source: 25H0384-01**		Prepared: 08/26/2025 Analyzed: 08/27/2025						
1,1-Dichloroethene	53	0.50	ug/L	50.00	ND	107	70-130	2	30	
Benzene	50	0.50	ug/L	50.00	ND	100	70-130	0.5	30	
Chlorobenzene	51	0.50	ug/L	50.00	ND	102	70-130	2	30	
Toluene	50	0.50	ug/L	50.00	ND	100	70-130	3	30	
Trichloroethene	50	0.50	ug/L	50.00	ND	100	70-130	1	30	
Surrogate: 4-Bromofluorobenzene	*62.5*		*ug/L*	*50.00*		*125*	*70-130*			
Surrogate: Dibromofluoromethane	*50.9*		*ug/L*	*50.00*		*102*	*70-130*			
Surrogate: Toluene-d8	*56.9*		*ug/L*	*50.00*		*114*	*70-130*			
Batch 2508292 - SW8260B										

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0416
Date Received: 08/14/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2508292 - SW8260B										
Blank (2508292-BLK1)				Prepared & Analyzed: 08/28/2025						
1,1,1-Trichloroethane	ND	0.50	ug/L							
1,1,2-Trichlorotrifluoroethane	ND	5.0	ug/L							
1,1-Dichloroethane	ND	0.50	ug/L							
1,1-Dichloroethene	ND	0.50	ug/L							
1,2-Dichloroethane	ND	0.50	ug/L							
1,2-Dichloropropane	ND	0.50	ug/L							
2-Butanone (MEK)	ND	10	ug/L							
Acetone	ND	10	ug/L							
Benzene	ND	0.50	ug/L							
Bromodichloromethane	ND	0.50	ug/L							
Bromoform	ND	2.0	ug/L							
Carbon tetrachloride	ND	0.50	ug/L							
Chlorobenzene	ND	0.50	ug/L							
Chloroform	ND	0.50	ug/L							
Chloromethane	ND	1.0	ug/L							
cis-1,2-Dichloroethene	ND	0.50	ug/L							
Dibromochloromethane	ND	0.50	ug/L							
Dichlorodifluoromethane	ND	0.50	ug/L							
Ethylbenzene	ND	0.50	ug/L							
m,p-Xylene	ND	1.0	ug/L							
Methylene chloride	ND	1.0	ug/L							
o-Xylene	ND	0.50	ug/L							
Tetrachloroethene	ND	0.50	ug/L							
Toluene	ND	0.50	ug/L							
trans-1,2-Dichloroethene	ND	0.50	ug/L							
Trichloroethene	ND	0.50	ug/L							
Trichlorofluoromethane	ND	0.50	ug/L							
Vinyl chloride	ND	0.50	ug/L							
Surrogate: 4-Bromofluorobenzene	*23.4*		*ug/L*	*25.00*		*94*	*70-130*			
Surrogate: Dibromofluoromethane	*24.1*		*ug/L*	*25.00*		*96*	*70-130*			
Surrogate: Toluene-d8	*23.4*		*ug/L*	*25.00*		*93*	*70-130*			
LCS (2508292-BS1)				Prepared & Analyzed: 08/28/2025						
1,1-Dichloroethene	29		ug/L	25.00		117	70-130			
Benzene	26		ug/L	25.00		103	70-130			
Chlorobenzene	26		ug/L	25.00		104	70-130			
Toluene	26		ug/L	25.00		105	70-130			
Trichloroethene	27		ug/L	25.00		106	70-130			
Surrogate: 4-Bromofluorobenzene	*23.5*		*ug/L*	*25.00*		*94*	*70-130*			
Surrogate: Dibromofluoromethane	*22.7*		*ug/L*	*25.00*		*91*	*70-130*			
Surrogate: Toluene-d8	*23.0*		*ug/L*	*25.00*		*92*	*70-130*			

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0416
Date Received: 08/14/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2508292 - SW8260B										
LCS Dup (2508292-BSD1)				Prepared & Analyzed: 08/28/2025						
1,1-Dichloroethene	27		ug/L	25.00		108	70-130	7	30	
Benzene	25		ug/L	25.00		98	70-130	5	30	
Chlorobenzene	24		ug/L	25.00		97	70-130	7	30	
Toluene	24		ug/L	25.00		98	70-130	7	30	
Trichloroethene	25		ug/L	25.00		100	70-130	6	30	
Surrogate: 4-Bromofluorobenzene	*23.2*		*ug/L*	*25.00*		*93*	*70-130*			
Surrogate: Dibromofluoromethane	*23.3*		*ug/L*	*25.00*		*93*	*70-130*			
Surrogate: Toluene-d8	*22.7*		*ug/L*	*25.00*		*91*	*70-130*			
Matrix Spike (2508292-MS1)		**Source: 25H0416-06**		Prepared & Analyzed: 08/28/2025						
1,1-Dichloroethene	28		ug/L	25.00	0.020	110	70-130			
Benzene	25		ug/L	25.00	0.010	100	70-130			
Chlorobenzene	24		ug/L	25.00	0.010	96	70-130			
Toluene	24		ug/L	25.00	0.010	95	70-130			
Trichloroethene	24		ug/L	25.00	0.010	96	70-130			
Surrogate: 4-Bromofluorobenzene	*21.7*		*ug/L*	*25.00*		*87*	*70-130*			
Surrogate: Dibromofluoromethane	*23.0*		*ug/L*	*25.00*		*92*	*70-130*			
Surrogate: Toluene-d8	*21.6*		*ug/L*	*25.00*		*86*	*70-130*			
Matrix Spike (2508292-MS2)		**Source: 25H0461-05**		Prepared: 08/28/2025 Analyzed: 08/29/2025						
1,1-Dichloroethene	29		ug/L	25.00	1.2	111	70-130			
Benzene	26		ug/L	25.00	0.010	102	70-130			
Chlorobenzene	24		ug/L	25.00	0.0	96	70-130			
Toluene	24		ug/L	25.00	0.0	96	70-130			
Trichloroethene	36		ug/L	25.00	11	100	70-130			
Surrogate: 4-Bromofluorobenzene	*22.7*		*ug/L*	*25.00*		*91*	*70-130*			
Surrogate: Dibromofluoromethane	*23.7*		*ug/L*	*25.00*		*95*	*70-130*			
Surrogate: Toluene-d8	*22.1*		*ug/L*	*25.00*		*88*	*70-130*			
Matrix Spike Dup (2508292-MSD1)		**Source: 25H0416-06**		Prepared & Analyzed: 08/28/2025						
1,1-Dichloroethene	28		ug/L	25.00	0.020	111	70-130	0.2	30	
Benzene	25		ug/L	25.00	0.010	101	70-130	0.9	30	
Chlorobenzene	25		ug/L	25.00	0.010	99	70-130	3	30	
Toluene	25		ug/L	25.00	0.010	98	70-130	3	30	
Trichloroethene	25		ug/L	25.00	0.010	99	70-130	3	30	
Surrogate: 4-Bromofluorobenzene	*22.4*		*ug/L*	*25.00*		*90*	*70-130*			
Surrogate: Dibromofluoromethane	*23.0*		*ug/L*	*25.00*		*92*	*70-130*			
Surrogate: Toluene-d8	*22.0*		*ug/L*	*25.00*		*88*	*70-130*			
Matrix Spike Dup (2508292-MSD2)		**Source: 25H0461-05**		Prepared: 08/28/2025 Analyzed: 08/29/2025						
1,1-Dichloroethene	29		ug/L	25.00	1.2	109	70-130	1	30	
Benzene	25		ug/L	25.00	0.010	101	70-130	2	30	
Chlorobenzene	24		ug/L	25.00	0.0	98	70-130	2	30	
Toluene	24		ug/L	25.00	0.0	97	70-130	1	30	
Trichloroethene	36		ug/L	25.00	11	102	70-130	1	30	
Surrogate: 4-Bromofluorobenzene	*21.8*		*ug/L*	*25.00*		*87*	*70-130*			
Surrogate: Dibromofluoromethane	*22.5*		*ug/L*	*25.00*		*90*	*70-130*			
Surrogate: Toluene-d8	*21.6*		*ug/L*	*25.00*		*86*	*70-130*			

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0416
Date Received: 08/14/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2509090 - SW8260B										
Blank (2509090-BLK1)				Prepared & Analyzed: 09/09/2025						
1,1,1-Trichloroethane	ND	0.50	ug/L							
1,1,2-Trichlorotrifluoroethane	ND	5.0	ug/L							
1,1-Dichloroethane	ND	0.50	ug/L							
1,1-Dichloroethene	ND	0.50	ug/L							
1,2-Dichloroethane	ND	0.50	ug/L							
1,2-Dichloropropane	ND	0.50	ug/L							
2-Butanone (MEK)	ND	10	ug/L							
Acetone	ND	10	ug/L							
Benzene	ND	0.50	ug/L							
Bromodichloromethane	ND	0.50	ug/L							
Bromoform	ND	2.0	ug/L							
Carbon tetrachloride	ND	0.50	ug/L							
Chlorobenzene	ND	0.50	ug/L							
Chloroform	ND	0.50	ug/L							
Chloromethane	ND	1.0	ug/L							
cis-1,2-Dichloroethene	ND	0.50	ug/L							
Dibromochloromethane	ND	0.50	ug/L							
Dichlorodifluoromethane	ND	0.50	ug/L							
Ethylbenzene	ND	0.50	ug/L							
m,p-Xylene	ND	1.0	ug/L							
Methylene chloride	ND	1.0	ug/L							
o-Xylene	ND	0.50	ug/L							
Tetrachloroethene	ND	0.50	ug/L							
Toluene	ND	0.50	ug/L							
trans-1,2-Dichloroethene	ND	0.50	ug/L							
Trichloroethene	ND	0.50	ug/L							
Trichlorofluoromethane	ND	0.50	ug/L							
Vinyl chloride	ND	0.50	ug/L							
Surrogate: 4-Bromofluorobenzene	*52.0*		*ug/L*	*50.00*		*104*	*70-130*			
Surrogate: Dibromofluoromethane	*44.9*		*ug/L*	*50.00*		*90*	*70-130*			
Surrogate: Toluene-d8	*47.1*		*ug/L*	*50.00*		*94*	*70-130*			
LCS (2509090-BS1)				Prepared & Analyzed: 09/09/2025						
1,1-Dichloroethene	51	0.50	ug/L	50.00		102	70-130			
Benzene	46	0.50	ug/L	50.00		92	70-130			
Chlorobenzene	43	0.50	ug/L	50.00		86	70-130			
Toluene	45	0.50	ug/L	50.00		91	70-130			
Trichloroethene	45	0.50	ug/L	50.00		89	70-130			
Surrogate: 4-Bromofluorobenzene	*51.8*		*ug/L*	*50.00*		*104*	*70-130*			
Surrogate: Dibromofluoromethane	*43.7*		*ug/L*	*50.00*		*87*	*70-130*			
Surrogate: Toluene-d8	*46.2*		*ug/L*	*50.00*		*92*	*70-130*			

Client: GHD Services, Inc. - Tucson
Project: TIA Routine Op
Work Order: 25H0416
Date Received: 08/14/2025

QC Summary

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qual
Batch 2509090 - SW8260B										
LCS Dup (2509090-BSD1)				Prepared & Analyzed: 09/09/2025						
1,1-Dichloroethene	56	0.50	ug/L	50.00		112	70-130	9	30	
Benzene	50	0.50	ug/L	50.00		100	70-130	8	30	
Chlorobenzene	48	0.50	ug/L	50.00		96	70-130	12	30	
Toluene	50	0.50	ug/L	50.00		100	70-130	9	30	
Trichloroethene	48	0.50	ug/L	50.00		97	70-130	8	30	
Surrogate: 4-Bromofluorobenzene	*51.2*		*ug/L*	*50.00*		*102*	*70-130*			
Surrogate: Dibromofluoromethane	*44.3*		*ug/L*	*50.00*		*89*	*70-130*			
Surrogate: Toluene-d8	*48.7*		*ug/L*	*50.00*		*97*	*70-130*			
Matrix Spike (2509090-MS1)		**Source: 25I0252-01**		Prepared & Analyzed: 09/09/2025						
1,1-Dichloroethene	55	0.50	ug/L	50.00	3.8	102	70-130			
Benzene	45	0.50	ug/L	50.00	ND	91	70-130			
Chlorobenzene	42	0.50	ug/L	50.00	ND	83	70-130			
Toluene	44	0.50	ug/L	50.00	ND	88	70-130			
Trichloroethene	98	0.50	ug/L	50.00	51	93	70-130			
Surrogate: 4-Bromofluorobenzene	*50.6*		*ug/L*	*50.00*		*101*	*70-130*			
Surrogate: Dibromofluoromethane	*44.7*		*ug/L*	*50.00*		*89*	*70-130*			
Surrogate: Toluene-d8	*47.5*		*ug/L*	*50.00*		*95*	*70-130*			
Matrix Spike Dup (2509090-MSD1)		**Source: 25I0252-01**		Prepared & Analyzed: 09/09/2025						
1,1-Dichloroethene	61	0.50	ug/L	50.00	3.8	114	70-130	10	30	
Benzene	51	0.50	ug/L	50.00	ND	102	70-130	11	30	
Chlorobenzene	48	0.50	ug/L	50.00	ND	97	70-130	15	30	
Toluene	51	0.50	ug/L	50.00	ND	102	70-130	14	30	
Trichloroethene	100	0.50	ug/L	50.00	51	98	70-130	3	30	
Surrogate: 4-Bromofluorobenzene	*52.9*		*ug/L*	*50.00*		*106*	*70-130*			
Surrogate: Dibromofluoromethane	*43.0*		*ug/L*	*50.00*		*86*	*70-130*			
Surrogate: Toluene-d8	*47.4*		*ug/L*	*50.00*		*95*	*70-130*			

S-17/WER3

TURNER LABORATORIES INC.
2445 N. Coyote Drive, Suite 104
Tucson, Arizona 85745
(520) 882-5880
Fax: (520) 882-9788
www.turnerlabs.com

CHAIN OF CUSTODY/LABORATORY ANALYSIS REQUEST FORM

TURNER WORK ORDER # 25H0416 DATE _____ PAGE 1 OF 1

PROJECT NAME: TIA Routine OP # 12619196.5.5.7
CONTACT NAME: Justin Berkompas
COMPANY NAME: GHD Services, Inc.
ADDRESS: 333 E Wetmore Rd. Suite 100
CITY: Tucson STATE: AZ ZIP CODE: 85705
PHONE: 720-974-0964 FAX:
SAMPLER'S SIGNATURE: Elijah Hared

CIRCLE ANALYSIS REQUESTED AND/OR CHECK THE APPROPRIATE BOX

SAMPLE I.D.	DATE	TIME	LAB I.D.	SAMPLE MATRIX*	NUMBER OF CONTAINERS	8260	Expect High Result
GW-081325-EH-99	8/13/25	1415		GW	3	X	
GW-081325-EH-EB1	8/13/25	1505		GW			
GW-081425-EH-100	8/14/25	0725		GW			
GW-081425-EH-101	8/14/25	0855		GW			
GW-081425-EH-102	8/14/25	0857		GW			
GW-081425-EH-103	8/14/25	1025		GW			
GW-081425-EH-104	8/14/25	1205		GW			X
GW-081425-EH-105	8/14/25	1207		GW			X

1. RELINQUISHED BY: Elijah Hared
Signature
Printed Name: Elijah Hared
Firm: GHD Services Inc.
Date/Time: 08/14/25 1420

2. RECEIVED BY:
Signature
Printed Name
Firm
Date/Time

TURNAROUND REQUIREMENTS:
_____ Standard (approx.10 days)*
____ Next day ____ 2 Day ____ 5 Day*
____ Email Preliminary Results To:
* Working Days

REPORT REQUIREMENTS:
_____ I. Routine Report
____ II. Report (includes DUP,MS,MSD, as required, may be charged as samples)
_____ III. Date Validation Report (includes All Raw Data)
Add 10% to invoice

INVOICE INFORMATION:
Account ____ Y ____ N
P.O. #
Bill to:

SAMPLE RECEIPT: IR-48
Total Containers
Temperature 4.2
☒ Wet Ice ☐ Blue Ice

3. RELINQUISHED BY:
Signature
Printed Name
Firm
Date/Time

4. RECEIVED BY: Kathy Richards
Signature
Printed Name
TURNER LABORATORIES, INC.
Firm 8/14/25 1420
Date/Time

*LEGEND
DW = DRINKING WATER
GW = GROUNDWATER
SD = SOLID
SG = SLUDGE
SL = SOIL
ST = STORMWATER
WW = WASTEWATER

SPECIAL INSTRUCTIONS/COMMENTS:

Compliance Analysis:	☐ Yes	☐ No	Custody Seals	☐	Preservation Confirmation	☒
ADEQ Forms:	☐ Yes	☐ No	Container Intact	☒	Appropriate Head Space	☒
Mail ADEQ Forms:	☐ Yes	☐ No	COC/Labels Agree	☒	Received Within Hold Time	☒

Appendix F

Historical Groundwater Analytical Results

Appendix F
Select Historical Groundwater Analytical Results in the Shallow Groundwater Zone
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
CRA-1	CRA-1	03/16/07	SW8260	**9J**	<0.50	**5.2**	1.4	**11**	87J	<1.0	**9.2**	**51,000J**
	CRA-1[a]	03/16/07	SW8260	**13J**	<0.50	**5.4**	1.4	**11**	86J	<1.0	**9.2**	**92,000J**
CRA-3	CRA-3	03/16/07	SW8260	**7.0**	<0.50	2.7	2.2	**11**	**100J**	<1.0	**8.6**	**53,000**
CRA-13	CRA-13	03/02/07	SW8260	1.0	<0.50	0.88	<0.50	<0.50	1.4	<1.0	<0.50	<0.50
	CRA-13	09/14/07	SW8260	1.0	<0.50	0.63	<0.50	<0.50	0.95	<1.0	<0.50	<0.50
	CRA-13	02/19/14	SW8260	0.58	<0.50	<0.50	<0.50	<0.50	0.59	<1.0	<0.50	<0.50
	CRA-13	07/25/14	SW8260	0.55	<0.50	<0.50	<0.50	<0.50	0.58	<1.0	<0.50	<0.50
	CRA-13	01/28/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-13	07/16/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-13	01/13/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-13[a]	01/13/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-13	07/26/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-13	07/27/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-13	01/26/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-13	07/24/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-13	02/08/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-13	01/19/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
CRA-14	CRA-14	03/02/07	SW8260	0.66	<0.50	<0.50	<0.50	<0.50	1.5	<1.0	<0.50	0.69
	CRA-14	07/25/14	SW8260	0.61	<0.50	<0.50	<0.50	<0.50	1.3	<1.0	<0.50	0.50
	CRA-14	07/17/15	SW8260	0.59	<0.50	<0.50	<0.50	<0.50	1.3	<1.0	<0.50	<0.50
	CRA-14	07/20/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.4	<1.0	<0.50	<0.50
	CRA-14	01/26/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.4	<1.0	<0.50	<0.50

Appendix F
Select Historical Groundwater Analytical Results in the Shallow Groundwater Zone
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
CRA-14 (cont'd)	CRA-14	02/08/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.81	<1.0	<0.50	<0.50
	CRA-14	01/19/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
CRA-16	CRA-16	03/08/07	SW8260	<0.50	<0.50	<0.50	<0.50	**6.9**	0.87	<1.0	<0.50	R
	CRA-16	04/18/07	SW8260	<0.50	<0.50	<0.50	<0.50	**6.1**	0.84	<1.0	<0.50	1.2
	CRA-16	02/11/14	SW8260	<0.50	<0.50	<0.50	<0.50	**8.1**	<0.50	<1.0	<0.50	<0.50
	CRA-16	08/06/14	SW8260	<0.50	<0.50	<0.50	<0.50	**9.2**	<0.50	<1.0	<0.50	<0.50
	CRA-16	02/06/15	SW8260	<0.50	<0.50	<0.50	<0.50	**8.1**	<0.50	<1.0	<0.50	<0.50
	CRA-16	07/21/15	SW8260	<0.50	<0.50	<0.50	<0.50	**8.1**	<0.50	<1.0	<0.50	<0.50
	CRA-16	01/28/16	SW8260	<0.50	<0.50	<0.50	<0.50	**7.7**	<0.50	<1.0	<0.50	<0.50
	CRA-16	07/15/16	SW8260	<0.50	<0.50	<0.50	<0.50	**8.1**	<0.50	<1.0	<0.50	<0.50
	CRA-16	01/16/17	SW8260	<0.50	<0.50	<0.50	<0.50	**8.4**	<0.50	<1.0	<0.50	<0.50
	CRA-16	07/12/17	SW8260	<0.50	<0.50	<0.50	<0.50	**6.3**	<0.50	<1.0	<0.50	<0.50
	CRA-16	02/16/18	SW8260	<0.50	<0.50	<0.50	<0.50	**7.6**	<0.50	<1.0	<0.50	2.0
	CRA-16	07/11/18	SW8260	<0.50	<0.50	<0.50	<0.50	**6.4**	<0.50	<1.0	<0.50	<0.50
	CRA-16	01/17/19	SW8260	<0.50	<0.50	<0.50	<0.50	**5.8**	<0.50	<1.0	<0.50	<0.50
	CRA-16[a]	01/17/19	SW8260	<0.50	<0.50	<0.50	<0.50	**5.5**	<0.50	<1.0	<0.50	<0.50
	CRA-16	07/10/19	SW8260	<0.50	<0.50	<0.50	<0.50	**6.3**	<0.50	<1.0	<0.50	<0.50
	CRA-16	01/24/20	SW8260	<0.50	<0.50	<0.50	<0.50	4.4	<0.50	<1.0	<0.50	<0.50
	CRA-16	07/31/20	SW8260	<0.50	<0.50	<0.50	<0.50	**6.0**	<0.50	<1.0	<0.50	<0.50
	CRA-16	01/20/21	SW8260	<0.50	<0.50	<0.50	<0.50	**6.4**	<0.50	<1.0	<0.50	<0.50
	CRA-16	07/12/21	SW8260	<0.50	<0.50	<0.50	<0.50	**5.1**	<0.50	<1.0	<0.50	<0.50
	CRA-16	01/11/22	SW8260	<0.50	<0.50	<0.50	<0.50	4.8	<0.50	<1.0	<0.50	<0.50
	CRA-16	07/06/22	SW8260	<0.50	<0.50	<0.50	<0.50	4.4	<0.50	<1.0	<0.50	<0.50
	CRA-16	07/27/23	SW8260	<0.50	<0.50	<0.50	<0.50	4.5	<0.50	<1.0	<0.50	<0.50

Appendix F
Select Historical Groundwater Analytical Results in the Shallow Groundwater Zone
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
CRA-16 (cont'd)	CRA-16	01/10/24	SW8260	<0.50	<0.50	<0.50	<0.50	3.8	<0.50	<1.0	<0.50	<0.50
	CRA-16	08/14/24	SW8260	<0.50	<0.50	<0.50	<0.50	4.0	<0.50	<1.0	<0.50	<0.50
	CRA-16	01/14/25	SW8260	<0.50	<0.50	<0.50	<0.50	3.5	<0.50	<1.0	<0.50	<0.50
	CRA-16	08/01/25	SW8260	<0.50	<0.50	<0.50	<0.50	3.7	<0.50	<1.0	<0.50	<0.50
CRA-18	CRA-18	03/06/07	SW8260	<0.50	<0.50	<0.50	<0.50	**14**	<0.50	<1	<0.50	R
	CRA-18	04/17/07	SW8260	<0.50	<0.50	<0.50	<0.50	**9.7**	<0.50	<1.0	<0.50	2.9
	CRA-18	02/05/14	SW8260	<0.50	<0.50	<0.50	<0.50	**15**	<0.50	<1.0	<0.50	<0.50
	CRA-18	07/30/14	SW8260	<0.50	<0.50	<0.50	<0.50	**14**	<0.50	<1.0	<0.50	<0.50
	CRA-18	01/27/15	SW8260	<0.50	<0.50	<0.50	<0.50	**11**	<0.50	<1.0	<0.50	<0.50
	CRA-18	07/07/15	SW8260	<0.50	<0.50	<0.50	<0.50	**13**	<0.50	<1.0	<0.50	<0.50
	CRA-18	01/26/16	SW8260	<0.50	<0.50	<0.50	<0.50	**12**	<0.50	<1.0	<0.50	<0.50
	CRA-18	07/19/16	SW8260	<0.50	<0.50	<0.50	<0.50	**12**	<0.50	<1.0	<0.50	<0.50
	CRA-18	01/17/17	SW8260	<0.50	<0.50	<0.50	<0.50	**15**	<0.50	<1.0	<0.50	<0.50
	CRA-18	07/13/17	SW8260	<0.50	<0.50	<0.50	<0.50	**10**	<0.50	<1.0	<0.50	<0.50
	CRA-18	02/14/18	SW8260	<0.50	<0.50	<0.50	<0.50	**13**	<0.50	<1.0	<0.50	<0.50
	CRA-18	07/09/18	SW8260	<0.50	<0.50	<0.50	<0.50	**13**	<0.50	<1.0	<0.50	<0.50
	CRA-18[a]	07/09/18	SW8260	<0.50	<0.50	<0.50	<0.50	**12**	<0.50	<1.0	<0.50	<0.50
	CRA-18	01/15/19	SW8260	<0.50	<0.50	<0.50	<0.50	**12**	<0.50	<1.0	<0.50	<0.50
	CRA-18	07/08/19	SW8260	<0.50	<0.50	<0.50	<0.50	**9.9**	<0.50	<1.0	<0.50	<0.50
	CRA-18	01/22/20	SW8260	<0.50	<0.50	<0.50	<0.50	**8.5**	<0.50	<1.0	<0.50	<0.50
	CRA-18	07/16/20	SW8260	<0.50	<0.50	<0.50	<0.50	**14**	<0.50	<1.0	<0.50	<0.50
	CRA-18	01/19/21	SW8260	<0.50	<0.50	<0.50	<0.50	**13**	<0.50	<1.0	<0.50	<0.50
	CRA-18	07/06/21	SW8260	<0.50	<0.50	<0.50	<0.50	**11**	<0.50	<1.0	<0.50	<0.50
	CRA-18	01/10/22	SW8260	<0.50	<0.50	<0.50	<0.50	**11**	<0.50	<1.0	<0.50	<0.50

Appendix F
Select Historical Groundwater Analytical Results in the Shallow Groundwater Zone
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
CRA-18 (cont'd)	CRA-18	07/04/22	SW8260	<0.50	<0.50	<0.50	<0.50	**11**	<0.50	<1.0	<0.50	<0.50
	CRA-18	01/09/23	SW8260	<0.50	<0.50	<0.50	<0.50	**10**	<0.50	<1.0	<0.50	<0.50
	CRA-18	07/27/23	SW8260	<0.50	<0.50	<0.50	<0.50	**11**	<0.50	<1.0	<0.50	<0.50
	CRA-18	01/08/24	SW8260	<0.50	<0.50	<0.50	<0.50	**11**	<0.50	<1.0	<0.50	<0.50
	CRA-18	08/06/24	SW8260	<0.50	<0.50	<0.50	<0.50	**8.7**	<0.50	<1.0	<0.50	<0.50
	CRA-18	01/13/25	SW8260	<0.50	<0.50	<0.50	<0.50	**5.8**	<0.50	<1.0	<0.50	<0.50
	CRA-18	08/07/25	SW8260	<0.50	<0.50	<0.50	<0.50	**7.8**	<0.50	<1.0	<0.50	<0.50
CRA-21S	CRA-21S	02/27/07	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-21S	02/12/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-21S	08/06/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-21S	02/06/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-21S	07/20/15	SW8260	<0.50	<0.50	<0.50	0.91	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-21S	01/29/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-21S[a]	01/29/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-21S	07/15/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-21S	01/16/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-21S	07/12/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-21S	02/19/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-21S	07/11/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-21S	01/17/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-21S	07/11/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-21S[a]	07/11/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-21S	01/23/20	SW8260	<0.50	<0.50	<0.50	<0.50	0.5	<0.50	<1.0	<0.50	<0.50
	CRA-21S	07/29/20	SW8260	<0.50	<0.50	<0.50	<0.50	1.4	<0.50	<1.0	<0.50	<0.50

Appendix F
Select Historical Groundwater Analytical Results in the Shallow Groundwater Zone
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
CRA-21S (cont'd)	CRA-21S	01/20/21	SW8260	<0.50	<0.50	<0.50	<0.50	1.8	<0.50	<1.0	<0.50	<0.50
	CRA-21S[a]	01/20/21	SW8260	<0.50	<0.50	<0.50	<0.50	1.8	<0.50	<1.0	<0.50	<0.50
	CRA-21S	07/08/21	SW8260	<0.50	<0.50	<0.50	<0.50	1.7	<0.50	<1.0	<0.50	<0.50
	CRA-21S	01/11/22	SW8260	<0.50	<0.50	<0.50	<0.50	1.7	0.57	<1.0	<0.50	<0.50
	CRA-21S	07/06/22	SW8260	<0.50	<0.50	<0.50	<0.50	1.9	0.61	<1.0	<0.50	<0.50
	CRA-21S	01/10/23	SW8260	<0.50	<0.50	<0.50	<0.50	1.6	0.62	<1.0	<0.50	<0.50
	CRA-21S	07/27/23	SW8260	<0.50	<0.50	<0.50	<0.50	1.6	0.59	<1.0	<0.50	<0.50
	CRA-21S	01/10/24	SW8260	<0.50	<0.50	<0.50	<0.50	1.6	0.64	<1.0	<0.50	<0.50
	CRA-21S	08/15/24	SW8260	<0.50	<0.50	<0.50	<0.50	1.8	0.66	<1.0	<0.50	<0.50
	CRA-21S	01/14/25	SW8260	<0.50	<0.50	<0.50	<0.50	1.9	0.61	<1.0	<0.50	<0.50
	CRA-21S	08/18/25	SW8260	<0.50	<0.50	<0.50	<0.50	1.8	0.72	<1.0	<0.50	<0.50
CRA-22S	CRA-22S	03/01/07	SW8260	<0.50	<0.50	<0.50	<0.50	**6.5**	<0.50	<1.0	4.3	2.6
	CRA-22S	02/04/14	SW8260	<0.50	<0.50	<0.50	<0.50	4.0	<0.50	<1.0	**8.8**	3.8
	CRA-22S	07/31/14	SW8260	<0.50	<0.50	<0.50	<0.50	**7.1**	0.79	<1.0	**5.4**	2.3
	CRA-22S	01/28/15	SW8260	<0.50	<0.50	<0.50	<0.50	**8.2**	0.87	<1.0	**6.3**	2.5
	CRA-22S	07/07/15	SW8260	<0.50	<0.50	<0.50	<0.50	**5.4**	0.61	<1.0	**7.2**	2.9
	CRA-22S[a]	07/07/15	SW8260	<0.50	<0.50	<0.50	<0.50	**5.0**	0.58	<1.0	**7.7**	2.9
	CRA-22S	01/26/16	SW8260	<0.50	<0.50	<0.50	<0.50	4.9	<0.50	<1.0	**8.3**	3.2
	CRA-22S	07/19/16	SW8260	<0.50	<0.50	<0.50	<0.50	**7.5**	<0.50	<1.0	**7.4**	3.0J
	CRA-22S	01/17/17	SW8260	<0.50	<0.50	<0.50	<0.50	4.7	<0.50	<1.0	**9.3**	3.7
	CRA-22S	07/13/17	SW8260	<0.50	<0.50	<0.50	<0.50	**7.1**	<0.50	<1.0	**6.4**	2.4
	CRA-22S	02/13/18	SW8260	<0.50	<0.50	<0.50	<0.50	4.8	<0.50	<1.0	**9.0**	3.3
	CRA-22S	07/10/18	SW8260	<0.50	<0.50	<0.50	<0.50	**7.8**	<0.50	<1.0	**7.0**	2.4
	CRA-22S	01/15/19	SW8260	<0.50	<0.50	<0.50	<0.50	**8.2**	<0.50	<1.0	**6.2**	2.4

Appendix F
Select Historical Groundwater Analytical Results in the Shallow Groundwater Zone
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
CRA-22S (cont'd)	CRA-22S	07/09/19	SW8260	<0.50	<0.50	<0.50	<0.50	4.3	<0.50	<1.0	**7.1**	2.5
	CRA-22S	01/22/20	SW8260	<0.50	<0.50	<0.50	<0.50	3.1	<0.50	<1.0	**7.3**	2.6
	CRA-22S[a]	01/22/20	SW8260	<0.50	<0.50	<0.50	<0.50	3.2	<0.50	<1.0	**7.3**	2.7
	CRA-22S	07/14/20	SW8260	<0.50	<0.50	<0.50	<0.50	**8.2**	<0.50	<1.0	**5.2**	2.0
	CRA-22S	01/19/21	SW8260	<0.50	<0.50	<0.50	<0.50	**5.1**	<0.50	<1.0	**6.5**	2.2
	CRA-22S	07/07/21	SW8260	<0.50	<0.50	<0.50	<0.50	4.5	<0.50	<1.0	**5.6**	1.8
	CRA-22S	01/12/22	SW8260	<0.50	<0.50	<0.50	<0.50	4.5	<0.50	<1.0	**5.6**	1.9
	CRA-22S	07/05/22	SW8260	<0.50	<0.50	<0.50	<0.50	4.8	<0.50	<1.0	**5.8**	1.8
	CRA-22S	01/11/23	SW8260	<0.50	<0.50	<0.50	<0.50	4.5	<0.50	<1.0	4.9	1.5
	CRA-22S	07/28/23	SW8260	<0.50	<0.50	<0.50	<0.50	**6.9**	<0.50	<1.0	**5.2**	1.6
	CRA-22S	01/08/24	SW8260	<0.50	<0.50	<0.50	<0.50	**8.2**	0.61	<1.0	3.8	1.1
	CRA-22S	08/19/24	SW8260	<0.50	<0.50	<0.50	<0.50	**7.2**	0.60	<1.0	4.1	0.96
	CRA-22S	01/13/25	SW8260	<0.50	<0.50	<0.50	<0.50	**0.80**	<0.50	<1.0	<0.50	<0.50
	CRA-22S	08/07/25	SW8260	<0.50	<0.50	<0.50	<0.50	**6.6**	0.57	<1.0	3.3	0.92
CRA-31S	CRA-31S	12/01/09	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-31S	02/07/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-31S	08/05/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-31S	02/05/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-31S	07/10/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-31S	01/15/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-31S	07/25/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-31S	01/27/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-31S	07/25/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-31S	02/20/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50

Appendix F
Select Historical Groundwater Analytical Results in the Shallow Groundwater Zone
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
CRA-31S (cont'd)	CRA-31S	07/26/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-31S	01/29/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-31S[a]	01/29/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-31S	07/24/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-31S	08/03/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-31S	07/16/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0UJ	<0.50	<0.50
	CRA-31S	07/25/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-31S	01/12/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-31S[a]	01/12/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-31S	09/13/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-31S	09/04/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-31S	07/14/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
CRA-34S	CRA-34S	11/24/09	SW8260	0.38	<1.0	<1.0	<1.0	<1.0	0.41	<5.0J	<1.0	0.32
	CRA-34S	02/13/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-34S	08/12/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-34S	02/05/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-34S	07/23/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-34S	01/20/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-34S	07/26/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-34S	01/27/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-34S	07/26/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-34S	02/14/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-34S	07/23/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-34S[a]	07/23/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50

Appendix F
Select Historical Groundwater Analytical Results in the Shallow Groundwater Zone
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
CRA-34S (cont'd)	CRA-34S	01/25/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-34S	07/29/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.56	<1.0	<0.50	<0.50
	CRA-34S	08/05/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-34S	07/19/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-34S	07/26/22	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0
	CRA-34S	09/12/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-34S	09/03/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-34S	07/08/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
CRA-38S	CRA-38S	06/07/11	SW8260	<0.50	<0.50	<0.50	<0.50	0.58	<0.50	<1.0	**65**	**64**
	CRA-38S	02/05/14	SW8260	<0.50	<0.50	<0.50	<0.50	0.57	<0.50	<1.0	**54**	**47**
	CRA-38S	07/30/14	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	**60**	**45**
	CRA-38S	01/28/15	SW8260	<0.50	<0.50	<0.50	<0.50	0.71	<0.50	<1.0	**63**	**42**
	CRA-38S[a]	01/28/15	SW8260	<0.50	<0.50	<0.50	<0.50	0.70	<0.50	<1.0	**61**	**50**
	CRA-38S	07/09/15	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	**40**	**32**
	CRA-38S	01/26/16	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	**44**	**34**
	CRA-38S	07/19/16	SW8260	<0.50	<0.50	<0.50	<0.50	1.1	<0.50	<1.0	**50**	**41**
	CRA-38S	07/19/16	SW8260	<0.50	<0.50	<0.50	<0.50	1.0	<0.50	<1.0	**48**	**40**
	CRA-38S	01/18/17	SW8260	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	**52**	**35**
	CRA-38S	07/13/17	SW8260	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	**45**	**32**
	CRA-38S	02/14/18	SW8260	<0.50	<0.50	<0.50	<0.50	0.68	<0.50	<1.0	**48**	**31**
	CRA-38S	07/12/18	SW8260	<0.50	<0.50	<0.50	<0.50	1.2	0.51	<1.0	**49**	**31**
	CRA-38S	01/15/19	SW8260	<0.50	<0.50	<0.50	<0.50	0.62	<0.50	<1.0	**42**	**29**
	CRA-38S	07/09/19	SW8260	<0.50	<0.50	<0.50	<0.50	0.64	<0.50	<1.0	**43**	**22**
	CRA-38S	01/20/20	SW8260	<0.50	<0.50	<0.50	<0.50	0.51	<0.50	<1.0	**42**	**26**

Appendix F
Select Historical Groundwater Analytical Results in the Shallow Groundwater Zone
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
CRA-38S (cont'd)	CRA-38S[a]	01/20/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	**42**	**26**
	CRA-38S	07/13/20	SW8260	<0.50	<0.50	<0.50	<0.50	0.87	<0.50	<1.0	**38**	**28**
	CRA-38S	01/19/21	SW8260	<0.50	<0.50	<0.50	<0.50	0.75	<0.50	<1.0	**41**	**23**
	CRA-38S	07/07/21	SW8260	<0.50	<0.50	<0.50	<0.50	0.75	<0.50	<1.0	**34**	**19**
	CRA-38S	01/12/22	SW8260	<0.50	<0.50	<0.50	<0.50	0.64	<0.50	<1.0	**34**	**19**
	CRA-38S	07/05/22	SW8260	<0.50	<0.50	<0.50	<0.50	0.81	<0.50	<1.0	**42**	**23**
	CRA-38S [a]	07/05/22	SW8260	<0.50	<0.50	<0.50	<0.50	0.83	<0.50	<1.0	**40**	**22**
	CRA-38S	01/11/23	SW8260	<0.50	<0.50	<0.50	<0.50	1.6	<0.50	<1.0	**34**	**18**
	CRA-38S	07/26/23	SW8260	<0.50	<0.50	<0.50	<0.50	1.6	<0.50	<1.0	**40**	**18**
	CRA-38S[a]	07/26/23	SW8260	<0.50	<0.50	<0.50	<0.50	1.6	<0.50	<1.0	**39**	**18**
	CRA-38S	01/08/24	SW8260	<0.50	<0.50	<0.50	<0.50	1.2 J	0.77	<1.0	**30 J**	**16 J**
	CRA-38S	08/06/24	SW8260	<0.50	<0.50	<0.50	<0.50	1.9	0.55	<1.0	**34**	**17**
	CRA-38S	01/16/25	SW8260	<0.50	<0.50	<0.50	<0.50	2.3 J+	0.73 J+	<1.0	**29 J+**	**18 J+**
	CRA-38S[a]	01/16/25	SW8260	<0.50	<0.50	<0.50	<0.50	2.4 J+	0.72 J+	<1.0	**29 J+**	**19 J+**
	CRA-38S	08/14/25	SW8260	<0.50	<0.50	<0.50	<0.50	1.8	<0.50	<1.0	**27**	**16**
	CRA-38S[a]	08/14/25	SW8260	<0.50	<0.50	<0.50	<0.50	1.8	<0.50	<1.0	**28**	**16**
CRA-39S	CRA-39S	06/08/11	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	**13**	**11**
	CRA-39S	02/05/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	**19**	**19**
	CRA-39S	08/14/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	**31**	**30**
	CRA-39S	01/29/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	**42**	**36**
	CRA-39S	07/09/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	**37**	**35**
	CRA-39S	12/17/15	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	**34**	**33**
	CRA-39S	07/19/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.52	<1.0	**38**	**41**
	CRA-39S	01/18/17	SW8260	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	**36**	**33**

Appendix F
Select Historical Groundwater Analytical Results in the Shallow Groundwater Zone
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
CRA-39S (cont'd)	CRA-39S	07/13/17	SW8260	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	**40**	**37**
	CRA-39S	02/13/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.58	<1.0	**49**	**41**
	CRA-39S	07/12/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.55	<1.0	**43**	**30**
	CRA-39S	01/16/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	**32**	**27**
	CRA-39S[a]	01/16/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	**32**	**27**
	CRA-39S	07/09/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	**26**	**18**
	CRA-39S	01/21/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.52	<1.0	**26**	**21**
	CRA-39S	07/16/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.52	<1.0	**23**	**18**
	CRA-39S	01/19/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.56	<1.0	**21**	**16**
	CRA-39S	07/07/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	<1.0	**18**	**13**
	CRA-39S	01/12/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.56	<1.0	**17**	**14**
	CRA-39S[a]	01/12/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.57	<1.0	**18**	**14**
	CRA-39S	07/05/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.53	<1.0	**19**	**13**
	CRA-39S	01/12/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	**15**	**10**
	CRA-39S[a]	01/12/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	**14**	**10**
	CRA-39S	07/28/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.55	<1.0	**17**	**11**
	CRA-39S	01/09/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.61	<1.0	**13**	**10**
	CRA-39S	08/26/24	SW8260	<0.50	<0.50	<0.50	<0.50	0.60	<0.50	<1.0	**13**	**8.3**
	CRA-39S	01/13/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	1.9	1.5
	CRA-39S	08/18/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	**8.3**	**6.6**
CRA-52S	CRA-52S	09/18/12	SW8260	0.6	<0.5	<0.5	<0.5	<0.5	2.7	<1.0	<0.5	**1,200**
	CRA-52S	02/21/14	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	7	<10	<5.0	**2,000**
	CRA-52S	08/14/14	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	6.1	<10	<5.0	**1,700**
	CRA-52S[a]	08/14/14	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	6.8	<10	<5.0	**1,700**

Appendix F
Select Historical Groundwater Analytical Results in the Shallow Groundwater Zone
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
CRA-52S (cont'd)	CRA-52S	02/04/15	SW8260	<0.50	<0.50	<0.50	<0.50	0.68	5.1	<1.0	<0.50	**890**
	CRA-52S	07/24/15	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	5.4	<10	<5.0	**1,000**
	CRA-52S	01/22/16	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	**670J**
	CRA-52S	08/01/16	SW8260	<2.5	<2.5	<2.5	<2.5	<2.5	5.1	<5.0	<2.5	**990J**
	CRA-52S	01/31/17	SW8260	<2.5	<2.5	<2.5	<2.5	<2.5	4.7	<5.0	<2.5	**1,100**
	CRA-52S	07/27/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	5.1	<1.0	<0.50	**1,000**
	CRA-52S	02/15/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	3.7	<1.0	<0.50	**800**
	CRA-52S	07/25/18	SW8260	<0.50	<0.50	<0.50	<0.50	0.56	5.2	<1.0	<0.50	**1,500**
	CRA-52S	01/30/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	5.8	<1.0	<0.50	**1,300J**
	CRA-52S[a]	01/30/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	6.2	<1.0	<0.50	**1,400J**
	CRA-52S	07/12/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	5.0	<1.0	<0.50	**1,000**
	CRA-52S	01/27/20	SW8260	<0.50	<0.50	0.51	<0.50	<0.50	4.9	<1.0	<0.50	**1,500**
	CRA-52S	07/20/20	SW8260	<0.50	<0.50	0.57	<0.50	0.54	5.0	<1.0	<0.50	**1,400**
	CRA-52S	01/22/21	SW8260	<0.50	<0.50	<0.50	<0.50	0.62	5.3	<1.0	<0.50	**1,900**
	CRA-52S	07/13/21	SW8260	<0.50	<0.50	<0.50	<0.50	0.57	4.1	<1.0	<0.50	**1,600**
	CRA-52S	01/25/22	SW8260	<0.50	<0.50	0.59	<0.50	0.65	4.7	<1.0	<0.50	**1,700**
	CRA-52S	07/19/22	SW8260	<0.50	<0.50	0.55	<0.50	0.68	4.6	<1.0	<0.50	**2,000**
	CRA-52S[a]	07/19/22	SW8260	<0.50	<0.50	0.52	<0.50	0.71	4.6	<1.0	<0.50	**1,900**
	CRA-52S	01/17/23	SW8260	<0.50	<0.50	<0.50	<0.50	0.58	3.7	<1.0	<0.50	**1,600**
	CRA-52S	07/21/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	3.2	<1.0	<0.50	**1,100**
	CRA-52S	01/18/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	2.6	<1.0	<0.50	**670**
	CRA-52S[a]	01/18/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	2.6	<1.0	<0.50	**650**
	CRA-52S	08/30/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	2.0	<1.0	<0.50	**610**
	CRA-52S[a]	08/30/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	2.0	<1.0	<0.50	**600**
	CRA-52S	01/22/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	2.1	<1.0	<0.50	**580**

Appendix F
Select Historical Groundwater Analytical Results in the Shallow Groundwater Zone
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
CRA-52S (cont'd)	CRA-52S[a]	01/22/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	2.1	<1.0	<0.50	**580**
	CRA-52S	07/01/25	SW8260	<2.5	<2.5	<2.5	<2.5	<2.5	3.1	<5.0	<2.5	**770**
CRA-57S	CRA-57S	09/18/12	SW8260	4.3	0.97	**18**	<0.50	<0.50	8.2	<1.0	<0.50	**6.1**
	CRA-57S	02/06/14	SW8260	6.3	1.7	**27**	<0.50	<0.50	24	<1.0	<0.50	**6.5**
	CRA-57S	08/08/14	SW8260	**7.0**	2.5	**28**	<0.50	<0.50	32	<1.0	<0.50	**6.3**
	CRA-57S	01/30/15	SW8260	6.6	1.8	**27**	<0.50	<0.50	24	<1.0	<0.50	**6.7**
	CRA-57S	07/10/15	SW8260	6.4	1.5	**27**	<0.50	<0.50	25	<1.0	<0.50	**6.1**
	CRA-57S	01/15/16	SW8260	5.7	1.8	**23**	<0.50	<0.50	22	<1.0	<0.50	**5.4**
	CRA-57S	07/22/16	SW8260	**7.1**	2.1	**23**	<0.50	<0.50	27	<1.0	<0.50	**6.2**
	CRA-57S	01/26/17	SW8260	**7.4**	<2.5	**23**	<2.5	<2.5	26	<5.0	<2.5	**5.7**
	CRA-57S[a]	01/26/17	SW8260	6.7	<2.5	**21**	<2.5	<2.5	25	<5.0	<2.5	4.9
	CRA-57S	07/26/17	SW8260	5.8	1.7	**18**	<0.50	<0.50	24	<1.0	<0.50	**5.5**
	CRA-57S	11/15/17	SW8260	7.3	1.8	**22**	<0.50	<0.50	24	<1.0	<0.50	**6.0**
	CRA-57S	02/22/18	SW8260	**7.6**	1.7	**21**	<0.50	<0.50	25	<1.0	<0.50	**6.0**
	CRA-57S	07/25/18	SW8260	5.7	1.4	**18**	<0.50	<0.50	23	<1.0	<0.50	**5.4**
	CRA-57S	01/28/19	SW8260	**9.4**	2.0	**21**	<0.50	<0.50	27	<1.0	<0.50	**6.3**
	CRA-57S	07/29/19	SW8260	**9.0**	1.7	**20**	<0.50	<0.50	22	<1.0	<0.50	**7.3**
	CRA-57S	02/04/20	SW8260	**8.5**	1.9	**20**	<0.50	3.7	24	<1.0	<0.50	**6.1**
	CRA-57S	08/04/20	SW8260	**7.2**	1.3	**19**	<0.50	<0.50	21	<1.0	<0.50	**5.6**
	CRA-57S	01/26/21	SW8260	**7.2**	1.6	**17**	<0.50	<0.50	22	<1.0	<0.50	**5.5**
	CRA-57S[a]	01/26/21	SW8260	**7.1**	1.6	**17**	<0.50	<0.50	22	<1.0	<0.50	**5.5**
	CRA-57S	07/14/21	SW8260	**6.5**	1.1	**15**	<0.50	<0.50	17	<1.0	<0.50	4.8
	CRA-57S	01/26/22	SW8260	**7.3**	1.5	**17**	<0.50	<0.50	20	1.4	<0.50	**5.5**
	CRA-57S[a]	01/26/22	SW8260	6.8	1.3	**17**	<0.50	<0.50	19	<1.0	<0.50	**5.5**

Appendix F
Select Historical Groundwater Analytical Results in the Shallow Groundwater Zone
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
CRA-57S (cont'd)	CRA-57S	07/26/22	SW8260	6.5	<5.0	**16**	<5.0	<5.0	19	<10	<5.0	**5.4**
	CRA-57S	01/19/23	SW8260	6.1	1.2	**14**	<0.50	<0.50	16	<1.0	<0.50	4.4
	CRA-57S	08/02/23	SW8260	6.1	1.3	**15**	<0.50	<0.50	12	<1.0	<0.50	4.7
	CRA-57S	01/12/24	SW8260	4.3	1.3	**17**	<0.50	<0.50	11	<1.0	<0.50	**5.5**
	CRA-57S	01/10/25	SW8260	4.6 J+	1.0 J+	**11 J+**	<0.50	<0.50	18 J+	<1.0	<0.50	3.6 J+
	CRA-57S	07/22/25	SW8260	5.3	1.2	**12**	<0.50	<0.50	18	<1.0	<0.50	4.6
CRA-61S	CRA-61S	03/12/13	SW8260	<0.50	<0.50	<0.50	<0.50	1.5	<0.50	<1.0	<0.50	<0.50
	CRA-61S	02/06/14	SW8260	<0.50	<0.50	<0.50	<0.50	0.54	1.9	<1.0	<0.50	**6.2**
	CRA-61S[a]	02/06/14	SW8260	<0.50	<0.50	<0.50	<0.50	0.51	1.8	<1.0	<0.50	**5.9**
	CRA-61S	07/29/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	<1.0	<0.50	4.2
	CRA-61S	02/03/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.57	<1.0	<0.50	2.3
	CRA-61S[a]	02/03/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.57	<1.0	<0.50	2.2
	CRA-61S	07/08/15	SW8260	<0.50UJ	<0.50UJ	<0.50UJ	<0.50UJ	1.2J	<0.50UJ	<1.0UJ	<0.50UJ	1.4J
	CRA-61S	01/28/16	SW8260	<0.50	<0.50	<0.50	<0.50	0.69	<0.50	<1.0	<0.50	1.5
	CRA-61S	07/18/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.6
	CRA-61S	01/17/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	2.5
	CRA-61S	07/14/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.1
	CRA-61S	02/13/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	2.3
	CRA-61S	07/13/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.93
	CRA-61S	01/16/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.6
	CRA-61S	07/08/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.8
	CRA-61S	01/20/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	2.1
	CRA-61S	07/13/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.1
	CRA-61S[a]	07/13/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.1

Appendix F
Select Historical Groundwater Analytical Results in the Shallow Groundwater Zone
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
CRA-61S (cont'd)	CRA-61S	01/18/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.4
	CRA-61S	07/06/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1
	CRA-61S	01/10/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.2
	CRA-61S	07/04/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.76
	CRA-61S	01/09/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.61
	CRA-61S	09/14/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-61S	01/08/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-61S	08/07/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-61S	01/16/25	SW8260	<0.50	<0.50	<0.50	<0.50	0.61	<0.50	<1.0	<0.50	<0.50
	CRA-61S	08/15/25	SW8260	<0.50	<0.50	<0.50	<0.50	0.70	<0.50	<1.0	<0.50	<0.50
CRA-62S	CRA-62S	03/12/13	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.7
	CRA-62S	02/06/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.8
	CRA-62S	07/29/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.8	<1.0	<0.50	4.6
	CRA-62S	02/02/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.52	<1.0	<0.50	**5.1**
	CRA-62S	07/08/15	SW8260	<0.50UJ	<0.50UJ	<0.50UJ	<0.50UJ	<0.50UJ	<0.50UJ	<1.0UJ	<0.50UJ	4.9J
	CRA-62S	01/28/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.5
	CRA-62S	07/18/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.4
	CRA-62S	01/17/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.4**
	CRA-62S	07/14/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.5
	CRA-62S	02/12/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.7**
	CRA-62S	07/13/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.9
	CRA-62S	01/16/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.3**
	CRA-62S[a]	01/16/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.3**
	CRA-62S	07/08/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.3

Appendix F
Select Historical Groundwater Analytical Results in the Shallow Groundwater Zone
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
CRA-62S (cont'd)	CRA-62S	01/20/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.6
	CRA-62S	07/13/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	2.9
	CRA-62S	01/18/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.6
	CRA-62S	07/06/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	2.4
	CRA-62S	01/10/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	2.8
	CRA-62S	07/04/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.9
	CRA-62S	01/09/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.7
	CRA-62S	09/14/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.96
	CRA-62S	01/09/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.4
	CRA-62S	08/07/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.2
	CRA-62S	01/17/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.1
	CRA-62S	08/15/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.87
CRA-67S	CRA-67S	05/06/16	SW8260	0.98	<0.50	<0.50	<0.50	<0.50	0.53	<1.0	<0.50	1.1
	CRA-67S	07/25/16	SW8260	0.97	<0.50	<0.50	<0.50	<0.50	0.53	<1.0	<0.50	1.2
	CRA-67S	01/27/17	SW8260	0.53	0.89	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.1
	CRA-67S	07/25/17	SW8260	0.65	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.92
	CRA-67S	11/15/17	SW8260	0.76	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.95
	CRA-67S	02/22/18	SW8260	0.77	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.91
	CRA-67S	07/26/18	SW8260	0.67	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.88
	CRA-67S	01/28/19	SW8260	<0.50	<0.50	<0.50	<0.50	3.5	<0.50	<1.0	<0.50	0.63
	CRA-67S	07/24/19	SW8260	0.69	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.87
	CRA-67S	02/04/20	SW8260	0.63	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.68
	CRA-67S	08/03/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.55
	CRA-67S[a]	08/03/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.55

Appendix F
Select Historical Groundwater Analytical Results in the Shallow Groundwater Zone
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
CRA-67S (cont'd)	CRA-67S	01/26/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.51
	CRA-67S	07/16/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0UJ	<0.50	<0.50
	CRA-67S	01/26/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.61
	CRA-67S	07/25/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-67S	01/19/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-67S	09/13/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-67S	01/26/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.52
	CRA-67S	09/04/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.57
	CRA-67S	01/10/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-67S	07/10/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
CU-1	CU-1	03/14/07	SW8260	1.3	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**41**
	CU-1	01/31/17	SW8260	0.99	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.9
	CU-1	01/20/22	SW8260	0.86	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.2
	CU-1	08/08/24	SW8260	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**8.1**
GHD-1S	GHD-1S	08/22/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.65	<1.0	<0.50	280
	GHD-1S	02/15/18	SW8260	<0.50	<0.50	1.4	<0.50	0.73	9.3	<1.0	0.50	**4,500**
	GHD-1S	03/06/18	SW8260	<0.50	<0.50	1.3	<0.50	1.0	9.0	<1.0	0.50	**4,100**
	GHD-1S	03/20/18	SW8260	<0.50	<0.50	1.2	<0.50	0.98	8.1	<1.0	<0.50	**4,200**
	GHD-1S	08/13/18	SW8260	<0.50	<0.50	1.4	<0.50	1.3	11	<1.0	<0.50	**5,900**
	GHD-1S	01/31/19	SW8261	<0.50	<0.50	1.2	<0.51	0.65	11	<1.1	<0.51	**4,500**
	GHD-1S	07/26/19	SW8260	<0.50	<0.50	1.4	<0.50	1.4	11	<1.0	0.57	**5,800**
	GHD-1S	02/03/20	SW8260	<0.50	<0.50	1.3	<0.50	1.2	11	<1.0	0.62	**5,700**
	GHD-1S	08/04/20	SW8260	<0.50	<0.50	1.5	<0.50	2.1	11	<1.0	0.54	**5,700**

Appendix F
Select Historical Groundwater Analytical Results in the Shallow Groundwater Zone
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
GHD-1S (cont'd)	GHD-1S	01/27/21	SW8260	<0.50	<0.50	1.3	<0.50	2.3	12	<1.0	0.61	**6,600**
	GHD-1S[a]	01/27/21	SW8260	<0.50	<0.50	1.2	<0.50	2.3	12	<1.0	0.56	**6,700**
	GHD-1S	07/15/21	SW8260	<0.50	<0.50	1.2	<0.50	1.9	11	<1.0	0.54	**5,700**
	GHD-1S	01/25/22	SW8260	<0.50	<0.50	1.4	<0.50	2.2	11	<1.0	0.62	**5,900**
	GHD-1S	07/22/22	SW8260	<0.50	<0.50	1.8	<0.50	2.5	12	<1.0	0.65	**6,100**
	GHD-1S	01/17/23	SW8260	<0.50	<0.50	1.1	<0.50	2.2	9.1	<1.0	0.66	**5,000**
	GHD-1S[a]	01/17/23	SW8260	<0.50	<0.50	1.1	<0.50	2.4	9.3	<1.0	0.70	**4,800**
	GHD-1S	07/25/23	SW8260	<0.50	<0.50	1.2	<0.50	1.7	8.2	<1.0	0.54	**4,700**
	GHD-1S	01/18/24	SW8260	<0.50	<0.50	1.4	<0.50	2.5	10	<1.0	0.64	**5100**
	GHD-1S[a]	01/18/24	SW8260	<0.50	<0.50	1.3	<0.50	2.7	10	<1.0	0.68	**5100**
IW-03	IW-03	01/25/17	SW8260	0.82	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.68
	IW-03	02/07/18	SW8260	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.7
	IW-03	03/05/18	SW8260	3.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.83
	IW-03	01/17/22	SW8260	1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.56
IW-04	IW-04	01/17/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.65
IW-07	IW-07	08/16/13	SW8260	0.99	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.66
	IW-07	02/19/14	SW8260	2.7	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.66
	IW-07[a]	02/19/14	SW8260	2.7	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.71
	IW-07	07/24/14	SW8260	2.8	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.1
IW-09	IW-09	07/16/15	SW8260	1.3J	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.0**
	IW-09	01/12/16	SW8260	1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.5

Appendix F
Select Historical Groundwater Analytical Results in the Shallow Groundwater Zone
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
IW-10	IW-10	07/24/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.5
	IW-10	07/17/15	SW8260	1.6J	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.8
	IW-10	01/12/16	SW8260	2.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	IW-10	01/25/17	SW8260	2.5	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	IW-10	02/07/18	SW8260	1.8	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.56
	IW-10	03/05/18	SW8260	2.1	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	IW-10	01/17/22	SW8260	1.6	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
IW-12	IW-12	07/15/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**18**
	IW-12	01/12/16	SW8260	0.61	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
IW-13	IW-13	07/16/15	SW8260	0.53J	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.8**
	IW-13	01/12/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
IW-14	IW-14	08/16/13	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.81
	IW-14	02/19/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	IW-14	02/09/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	IW-14	01/13/16	SW8260	1.5	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	IW-14	01/24/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	IW-14	02/07/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	IW-14	03/05/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	IW-14	01/19/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
S-1	S-1	03/27/07	SW8260	<0.50	2.9	**5.1**	2.3	<0.50	16	<1.0	0.92	**88**
	S-1	02/17/14	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	11	<10	<5.0	**45**
	S-1	08/13/14	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	12	<10	<5.0	**44**
	S-1	02/02/15	SW8260	<0.50	0.82	3.7	<0.50	<0.50	8.9	<1.0	<0.50	**42**
	S-1	07/23/15	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	11	<10	<5.0	**32**

Appendix F
Select Historical Groundwater Analytical Results in the Shallow Groundwater Zone
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
S-1 (cont'd)	S-1	01/22/16	SW8260	<0.50	0.75	2.7	<0.50	<0.50	10	<1.0	<0.50	**29**
	S-1	07/26/16	SW8260	<0.50	1.2	3.2	<0.50	<0.50	14	<1.0	0.58	**32**
	S-1	01/31/17	SW8260	<0.50	1.4	3.9	<0.50	<0.50	15	<1.0	0.76	**38**
	S-1	07/28/17	SW8260	<0.50	1.5	3.5	<0.50	<0.50	13	<1.0	0.90	**35**
	S-1	02/19/18	SW8260	<0.50	1.4	3.5	<0.50	<0.50	13	<1.0	0.88	**32**
	S-1	07/23/18	SW8260	<0.50	1.4	3.3	<0.50	<0.50	11	<1.0	0.90	**29**
	S-1	01/24/19	SW8260	<0.50	1.2	2.7	<0.50	<0.50	10	<1.0	0.82	**25**
	S-1	07/12/19	SW8260	<0.50	0.71	1.4	<0.50	<0.50	5.5	<1.0	0.55	**12**
	S-1	07/20/20	SW8260	<0.50	0.6	1.1	<0.50	<0.50	4.1	<1.0	0.8	**10**
	S-1	07/19/21	SW8260	<0.50	0.63	0.86	<0.50	<0.50	4.3	<1.0	1.5	**13**
	S-1	07/14/22	SW8260	<0.50	<0.50	0.62	<0.50	<0.50	2.6	<1.0	1.3	**8.5**
	S-1	07/24/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.7	<1.0	0.95	**5.5**
	S-1	07/24/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.7	<1.0	0.95	**5.5**
	S-1	08/19/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.3	<1.0	0.72	3.8
	S-1	07/02/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.6	<1.0	0.83	**5.6**
S-3	S-3	03/12/07	SW8260	<0.50	<0.50	4.5	<0.50	<0.50	7.2	<1.0	<0.50	**47**
	S-3	02/17/14	SW8260	<0.50	1.7	**9.3**	<0.50	<0.50	12	<1.0	<0.50	**35**
	S-3	08/13/14	SW8260	<5.0	<5.0	**12**	<5.0	<5.0	17	<10	<5.0	**47**
	S-3	02/11/15	SW8260	<0.50	<0.50	0.83	<0.50	<0.50	1.1	<1.0	<0.50	4.1
	S-3	07/22/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.77
	S-3	01/19/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-3	07/28/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.4	<1.0	<0.50	4.2
	S-3	01/31/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.97
	S-3	07/27/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.83

Appendix F
Select Historical Groundwater Analytical Results in the Shallow Groundwater Zone
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
S-3 (cont'd)	S-3	02/19/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-3	07/23/18	SW8260	<0.50	<0.50	0.77	<0.50	<0.50	1.2	<1.0	<0.50	2.8
	S-3	01/28/19	SW8260	<0.50	<0.50	0.85	<0.50	<0.50	1.4	<1.0	<0.50	4.5
	S-3	07/12/19	SW8260	<0.50	<0.50	0.93	<0.50	<0.50	1.1	<1.0	<0.50	3.4
	S-3	01/28/20	SW8260	<0.50	<0.50	2.1	<0.50	<0.50	2.8	<1.0	<0.50	**7.9**
	S-3[a]	01/28/20	SW8260	<0.50	<0.50	2.1	<0.50	<0.50	2.8	<1.0	<0.50	**7.6**
	S-3	07/31/20	SW8260	<0.50	<0.50	2.8	<0.50	<0.50	3.7	<1.0	<0.50	**10**
	S-3	01/22/21	SW8260	<0.50	<0.50	1.9	<0.50	<0.50	3.5	<1.0	<0.50	**8.1**
	S-3	07/09/21	SW8260	<0.50	<0.50	2.5	<0.50	<0.50	3.7	<1.0	<0.50	**9.2**
	S-3	01/21/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.56
	S-3	01/13/23	SW8260	<0.50	<0.50	2.2	<0.50	<0.50	3.2	<1.0	0.82	**8.6**
	S-3	07/24/23	SW8260	<0.50	<0.50	0.93	<0.50	<0.50	1.5	<1.0	0.57	4.7
	S-3	01/16/24	SW8260	<0.50	<0.50	0.84	<0.50	<0.50	1.5	<1.0	0.58	4.2
	S-3	09/02/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.86	<1.0	0.64	2.7
	S-3	01/07/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.93	<1.0	<0.50	2.4
	S-3	07/24/25	SW8260	<0.50	<0.50	0.79	<0.50	<0.50	1.5	<1.0	0.53	3.7
S-4	S-4	02/27/07	SW8260	<0.50	3.1	**17**	<0.50	<0.50	29	<1.0	<0.50	**140**
	S-4	08/13/14	SW8260	<0.50	1.3	**7.2**	<0.50	<0.50	16	<1.0	<0.50	**47**
	S-4	07/21/15	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	10	<10	<5.0	**35**
	S-4	01/19/16	SW8260	<0.50	0.54	4.5	<0.50	0.5	9.2	<1.0	1.4	**37**
	S-4	07/28/16	SW8260	<2.5	<2.5	**6.8**	<2.5	<2.5	14	<5.0	<2.5	**46**
	S-4[a]	07/28/16	SW8260	<2.5	<2.5	**7.1**	<2.5	<2.5	14	<5.0	<2.5	**47**
	S-4	07/27/17	SW8260	<0.50	0.74	**5.7**	<0.50	<0.50	10	<1.0	1.6	**39**
	S-4[a]	07/27/17	SW8260	<0.50	0.77	**5.4**	<0.50	<0.50	11	<1.0	1.6	**38**

Appendix F
Select Historical Groundwater Analytical Results in the Shallow Groundwater Zone
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
S-4 (cont'd)	S-4	07/23/18	SW8260	<0.50	0.61	**5.5**	<0.50	0.58	9.9	<1.0	1.7	**38**
	S-4	07/12/19	SW8260	<0.50	0.54	**4.4**	<0.50	<0.50	8.7	<1.0	1.4	**32**
	S-4	07/20/20	SW8260	<0.50	<0.50	**4.7**	<0.50	<0.50	8.3	<1.0	1.2	**30**
	S-4	07/09/21	SW8260	<0.50	<0.50	**3.7**	<0.50	<0.50	7.6	<1.0	1.3	**28**
	S-4	01/16/23	SW8260	<0.50	<0.50	1.8	<0.50	<0.50	3.6	<1.0	1.1	**12**
	S-4	07/24/23	SW8260	<0.50	<0.50	1.7	<0.50	<0.50	3.3	<1.0	1.2	**13**
	S-4	09/02/24	SW8260	<0.50	<0.50	1.6	<0.50	<0.50	2.8	<1.0	1.2	**10**
	S-4[a]	09/02/24	SW8260	<0.50	<0.50	1.6	<0.50	<0.50	2.9	<1.0	1.2	**10**
	S-4	07/24/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.60	<1.0	<0.50	2.2
S-5	S-5	03/14/07	SW8260	6.1	1.2	**22**	<0.50	**13**	48	<1.0	**26**	**47,000**
	S-5	02/18/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-5	02/10/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-5	07/15/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.9
	S-5	01/20/16	SW8260	<0.50	<0.50	1.3	<0.50	<0.50	<0.50	<1.0	0.62	**17**
	S-5	07/14/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.3**
	S-5	01/25/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-5	07/20/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-5	02/08/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-5	07/20/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-5	01/23/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-5	07/25/19	SW8260	<0.50	<0.50	0.77	<0.50	<0.50	2.3	<1.0	0.76	**7.5**
	S-5	07/28/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-5	01/28/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.6
	S-5	07/20/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.5
	S-5	01/25/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.0

Appendix F
Select Historical Groundwater Analytical Results in the Shallow Groundwater Zone
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
S-5 (cont'd)	S-5	07/26/22	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0
	S-5[a]	07/26/22	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0
	S-5	01/16/23	SW8260	<0.50	<0.50	0.91	<0.50	<0.50	0.99	<1.0	<0.50	2.6
	S-5	08/08/23	SW8260	<0.50	<0.50	1.4	<0.50	<0.50	1.5	<1.0	0.60	3.5
	S-5	01/19/24	SW8260	<0.50	<0.50	1.1	<0.50	<0.50	0.98	<1.0	<0.50	**7.5**
	S-5	09/06/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.4
	S-5	01/23/25	SW8260	<0.50	<0.50	0.75	<0.50	<0.50	0.83	<1.0	<0.50	1.8
	S-5	07/03/25	SW8260	<0.50	<0.50	0.56	<0.50	<0.50	0.79	<1.0	<0.50	1.3
S-6	S-6	02/23/07	SW8260	<0.50	<0.50	<0.50	<0.50	0.93	1.7	<1.0	<0.50	<0.50
	S-6	02/12/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-6	08/07/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-6	02/05/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.53	<1.0	<0.50	<0.50
	S-6	07/17/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-6	01/19/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-6	07/27/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-6	01/30/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-6	07/28/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-6	02/23/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-6	08/13/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-6	01/30/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-6	07/11/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-6	01/23/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-6	07/31/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-6	01/28/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-6	07/09/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50

Appendix F
Select Historical Groundwater Analytical Results in the Shallow Groundwater Zone
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
S-6 (cont'd)	S-6[a]	07/09/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-6	01/14/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-6	07/07/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-6	01/18/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-6	07/17/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-6	01/16/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-6	08/28/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-6	01/23/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-6[a]	01/23/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-6	07/25/25	SW8260	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	<2.5
S-7	S-7	03/08/07	SW8260	**43**	<0.50	<0.50	<0.50	<0.50	1.2	<1.0	**5.3**	**84**
	S-7	02/12/14	SW8260	**8.8**	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	1.0	**18**
	S-7	08/08/14	SW8260	**12**	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	1.4	**22**
	S-7	02/03/15	SW8260	**9.0**	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	1.5	**22**
	S-7	07/17/15	SW8260	4.1	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	0.74	**10**
	S-7	01/14/16	SW8260	3.1	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	0.52	**7.0**
	S-7	07/28/16	SW8260	5.9	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	0.55	**9.6**
	S-7[a]	07/28/16	SW8260	6.1	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	0.56	**10**
	S-7	01/30/17	SW8260	1.4	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	2.9
	S-7	07/31/17	SW8260	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	2.4
	S-7	02/19/18	SW8260	1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	2.3
	S-7	07/26/18	SW8260	1.2	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	2.6
	S-7	01/30/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<1.3
	S-7	07/26/19	SW8260	0.62	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.5
	S-7	07/31/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50

Appendix F
Select Historical Groundwater Analytical Results in the Shallow Groundwater Zone
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
S-7 (cont'd)	S-7	07/15/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-7	07/22/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-7	09/14/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-7	09/04/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-7	07/09/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
S-8	S-8	12/08/93	VOCC	<10	<10	<10	<10	<10	<10	<10	<10	<10
	S-8	02/28/03	SW8260	<2.0	<1.0	<1.0	<1.0	<1.0	<1.0	<5.0	<1.0	<1.0
S-9	S-9	02/27/07	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	5.6	<1.0	<0.50	**9.6**
	S-9	02/06/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	8.2	<1.0	<0.50	**12**
	S-9	07/31/14	SW8260	<0.50	<0.50	0.81	<0.50	<0.50	19	<1.0	<0.50	**28**
	S-9	01/29/15	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	9.4	<10	<5.0	**14**
	S-9	07/10/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	10	<1.0	<0.50	**13**
	S-9	01/15/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	17	<1.0	<0.50	**18**
	S-9	07/21/16	SW8260	<2.5	<2.5	<2.5	<2.5	<2.5	28	<5.0	<2.5	**25**
	S-9	01/26/17	SW8260	<2.5	<2.5	<2.5	<2.5	<2.5	11	<5.0	<2.5	**9.0**
	S-9	07/26/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	3.0	<1.0	<0.50	3.3
	S-9	02/21/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	7.2	<1.0	<0.50	**5.1**
	S-9	07/26/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	7.5	<1.0	<0.50	4.9
	S-9	01/28/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	9.6	<1.0	<0.50	4.5
	S-9	07/29/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	37	<1.0	<0.50	5.0
	S-9	07/29/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	39	<1.0	<0.50	5.0
	S-9	02/05/20	SW8260	<0.50	<0.50	0.61	<0.50	<0.50	88	<1.0	<0.50	4.4
	S-9	08/04/20	SW8260	<0.50	<0.50	0.69	<0.50	<0.50	97	<1.0	<0.50	3.0
	S-9	01/25/21	SW8260	<0.50	<0.50	0.52	<0.50	<0.50	97	<1.0	<0.50	3.4

Appendix F
Select Historical Groundwater Analytical Results in the Shallow Groundwater Zone
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
S-9 (cont'd)	S-9	07/13/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	79	<1.0	<0.50	2.5
	S-9	01/25/22	SW8260	<0.50	<0.50	1.5	<0.50	<0.50	**210**	<1.0	<0.50	2.0
	S-9[a]	01/25/22	SW8260	<0.50	<0.50	1.4	<0.50	<0.50	**220**	<1.0	<0.50	1.8
	S-9	07/27/22	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	**230**	<10	<5.0	<5.0
	S-9	01/19/23	SW8260	<0.50	<0.50	<0.50	<0.50	0.70	24	<1.0	0.78	1.0
	S-9	07/24/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	21	<1.0	0.60	1.4
	S-9	01/26/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	35	<1.0	<0.50	4.4
	S-9	08/29/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	19	<1.0	<0.50	4.1
	S-9	01/22/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	27	<1.0	<0.50	4.9
	S-9	07/23/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	30	<1.0	<0.50	4.3
S-10	S-10	03/14/07	SW8260	**7.6**	<0.50	4.9	<0.50	**16**	33	<1.0	**5.9**	**26,000**
	S-10	02/18/14	SW8260	**11**	<5.0	<5.0	<5.0	<5.0	6.8	<10	<5.0	**390**
	S-10	07/24/14	SW8260	**11**	<5.0	<5.0	<5.0	<5.0	6.9	<10	<5.0	**470**
	S-10	02/10/15	SW8260	**21**	<5.0	<5.0	<5.0	<5.0	9.6	<10	<5.0	**410**
	S-10	07/15/15	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	**280**
	S-10	01/20/16	SW8260	5.1	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	**290**
	S-10	07/14/16	SW8260	6.4	<2.5	<2.5	<2.5	<2.5	4.9	<5.0	<2.5	**180**
	S-10	01/25/17	SW8260	6.5	<2.5	<2.5	<2.5	<2.5	4.8	<5.0	<2.5	**170**
	S-10	07/20/17	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	**110**
	S-10	02/08/18	SW8260	3.1	<0.50	<0.50	<0.50	0.71	2.9	<1.0	<0.50	**77**
	S-10	07/20/18	SW8260	2.6	<0.50	<0.50	<0.50	0.85	2.5	<1.0	<0.50	**62**
	S-10	01/23/19	SW8260	4.1	<0.50	<0.50	<0.50	<0.50	2.8	<1.0	<0.50	**330**
	S-10	07/25/19	SW8260	2.4	<0.50	<0.50	<0.50	0.7	2.5	<1.0	<0.50	**63**
	S-10	07/28/20	SW8260	1.5	<0.50	<0.50	<0.50	0.52	2.2	<1.0	<0.50	**61**

Appendix F
Select Historical Groundwater Analytical Results in the Shallow Groundwater Zone
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
S-10 (cont'd)	S-10	07/20/21	SW8260	0.75	<0.50	<0.50	<0.50	<0.50	1.4	<1.0	<0.50	**50**
	S-10	07/12/22	SW8260	0.9	<0.50	<0.50	<0.50	<0.50	1.4	<1.0	<0.50	**49**
	S-10	08/08/23	SW8260	0.53	<0.50	<0.50	<0.50	<0.50	0.83	<1.0	<0.50	**33**
	S-10[a]	08/08/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.75	<1.0	<0.50	**30**
	S-10	09/09/24	SW8260	0.52	<0.50	<0.50	<0.50	<0.50	1.1	<1.0	<0.50	**37**
	S-10	07/03/25	SW8260	0.74	<0.50	<0.50	<0.50	0.96	1.2	<1.0	<0.50	**52**
S-11	S-11	03/08/07	SW8260	0.82	<0.50	4.8	1.6	1.5	2.6	<1.0	**5.9**	**400**
	S-11	02/13/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**6.4**
	S-11	08/14/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.81
	S-11	02/06/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.57
	S-11	07/20/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.9
	S-11	01/22/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.77
	S-11	07/27/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.69
	S-11	01/30/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.56
	S-11	07/28/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.1
	S-11	02/23/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-11	08/13/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.95
	S-11	01/30/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-11	07/11/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.69
	S-11	01/30/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.83
	S-11	07/31/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.78
	S-11	01/28/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.58
	S-11	07/13/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.99
	S-11	01/25/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.72

Appendix F
Select Historical Groundwater Analytical Results in the Shallow Groundwater Zone
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
S-11 (cont'd)	S-11[a]	01/25/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.68
	S-11	07/08/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.7
	S-11	01/18/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.51
	S-11	07/19/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.53
	S-11	01/16/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-11	09/04/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-11	01/07/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-11	07/07/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
S-12	S-12	03/14/07	SW8260	1.0	<0.50	2.8	0.82	<0.50	**200**	<1.0	**19**	**330**
	S-12	02/17/14	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	69	<10	**7.0**	**33**
	S-12	08/12/14	SW8260	<5.0	<5.0	**8.5**	<5.0	<5.0	**190**	<10	**13**	**83**
	S-12	02/02/15	SW8260	<0.50	1.7	**9.5**	<0.50	<0.50	**170**	<1.0	**15**	**79**
	S-12	07/24/15	SW8260	<0.50	<5.0	**9.2**	<5.0	<5.0	**230**	<10	**14**	**98**
	S-12	01/22/16	SW8260	<0.50	<5.0	**7.0**	<5.0	<5.0	**130**	<10	**8.1**	**63**
	S-12	07/29/16	SW8260	<2.5	2.8	**11**	<2.5	<2.5	**260**	<5.0	**12**	**110**
	S-12[a]	07/29/16	SW8260	<2.5	2.9	**11**	<2.5	<2.5	**250**	<5.0	**12**	**110**
	S-12	01/31/17	SW8260	<2.5	<2.5	5.0	<2.5	<2.5	**130**	<5.0	4.7	**51**
	S-12	07/26/17	SW8260	<0.50	1.3	4.7	<0.50	<0.50	**120**	<1.0	**5.5**	**49**
	S-12	02/19/18	SW8260	<0.50	1.1	4.7	<0.50	<0.50	**120**	<1.0	4.0	**45**
	S-12	07/25/18	SW8260	<0.50	1.7	**7.3**	<0.50	<0.50	**160**	<1.0	**6.2**	**60**
	S-12	01/30/19	SW8260	<0.50	0.82	3.1	<0.50	<0.50	86J	<1.0	1.8	**32**
	S-12	07/19/19	SW8260	<0.50	2	**7.1**	<0.50	<0.50	**200**	<1.0	3.9	**66**
	S-12	07/30/20	SW8260	<0.50	1.3	5.3	<0.50	<0.50	**150**	<1.0	2.2	**48**
	S-12	07/15/21	SW8260	<0.50	1.0	4.1	<0.50	<0.50	**130**	<1.0	1.6	**40**

Appendix F
Select Historical Groundwater Analytical Results in the Shallow Groundwater Zone
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
S-12 (cont'd)	S-12	07/22/22	SW8260	<0.50	1.3	4.1	<0.50	<0.50	**140**	<1.0	1.9	**43**
	S-12	08/02/23	SW8260	<0.50	2.2	**7.1**	<0.50	<0.50	**260J+**	<1.0	2.0	**59J+**
	S-12	08/02/23	SW8261	<0.51	2.3	**7.1**	<0.50	<0.50	**260J+**	<1.0	2.0	**58J+**
	S-12	08/19/24	SW8260	<0.50	1.5	**5.6**	<0.50	<0.50	**160**	<1.0	1.8	**49**
	S-12	07/23/25	SW8260	**23**	<2.5	4.3	**26**	<2.5	**130**	<5.0	<2.5	**57**
S-13	S-13	03/05/07	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-13	08/07/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-13	07/17/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-13	07/27/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-13	07/28/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-13	07/26/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-13	07/12/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-13	07/29/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-13	07/12/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-13	07/08/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-13	07/17/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-13	08/30/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-13	07/31/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
S-14	S-14	03/07/07	SW8260	0.88	<0.50	<0.50	<0.50	1.2	0.66	<1.0	<0.50	**20**
	S-14	02/21/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.4
	S-14	08/15/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.9
	S-14	02/03/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.1
	S-14	07/20/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	2.3

Appendix F
Select Historical Groundwater Analytical Results in the Shallow Groundwater Zone
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
S-14 (cont'd)	S-14	01/14/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.9
	S-14	07/28/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.8
	S-14	01/30/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.5
	S-14	07/28/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.3
	S-14	02/20/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.3
	S-14	07/26/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.3
	S-14	01/30/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.69
	S-14	07/26/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.3
	S-14	02/03/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.1
	S-14	08/03/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.98
	S-14	01/27/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.85
	S-14[a]	01/27/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.86
	S-14	07/14/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.72
	S-14	01/25/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-14	07/22/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.63
	S-14	01/23/23	SW8260	<0.50J	<0.50J	<0.50J	<0.50J	<0.50J	<0.50J	<1.0J	<0.50J	<0.50J
	S-14	08/02/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-14	01/18/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-14	08/28/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-14	01/07/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.2
	S-14	07/07/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
S-16	S-16	03/14/07	SW8260	0.94	**15**	**95**	<0.50	1.4	**250**	<1.0	**16**	**1,900**
	S-16	02/18/14	SW8260	<5.0	**6.8**	**34**	<5.0	<5.0	83	<10	<5.0	**360**
	S-16	07/24/14	SW8260	<5.0	5.0	**26**	<5.0	<5.0	62	<10	<5.0	**310**

Appendix F
Select Historical Groundwater Analytical Results in the Shallow Groundwater Zone
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
S-16 (cont'd)	S-16	02/10/15	SW8260	<5.0	<5.0	**26**	<5.0	<5.0	58	<10	<5.0	**290**
	S-16	07/15/15	SW8260	<5.0	<5.0	**15**	<5.0	<5.0	30	<10	<5.0	**160**
	S-16	01/20/16	SW8260	<5.0	<5.0	**18**	<5.0	<5.0	41	<10	<5.0	**280**
	S-16	07/14/16	SW8260	<2.5	**5.6**	**29**	<2.5	<2.5	62	<5.0	<2.5	**350**
	S-16	01/25/17	SW8260	<5.0	**6.3**	**29**	<5.0	<5.0	68	<5.0	<5.0	**380**
	S-16	07/20/17	SW8260	<5.0	**5.8**	**28**	<5.0	<5.0	68	<10	<5.0	**390**
	S-16	02/08/18	SW8260	<0.50	**5.9**	**34**	<0.50	<0.50	70	<1.0	3.1	**380**
	S-16	07/20/18	SW8260	<0.50	4.2	**22**	<0.50	<0.50	58	<1.0	2.0	**280**
	S-16	01/23/19	SW8260	<0.50	4.9	**25**	<0.50	<0.50	56	<1.0	2.5	**250**
	S-16	07/25/19	SW8260	<0.50	3.9	**20**	<0.50	<0.50	52	<1.0	2.3	**220**
	S-16	07/28/20	SW8260	<0.50	4.2	**24**	<0.50	<0.50	64	<1.0	2.3	**220**
	S-16	07/20/21	SW8260	<0.50	1.8	**6.6**	<0.50	<0.50	23	<1.0	<0.50	**93**
	S-16	07/25/22	SW8260	<0.50	1.7	**5.7**	<0.50	<0.50	22	<1.0	<0.50	**86**
	S-16	08/14/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-16	11/21/23	SW8260	<0.50	<0.50	0.78	<0.50	<0.50	2.8 J	<1.0 UJ	<0.50	**7.1 J**
	S-16[a]	11/21/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50 UJ	**9.0 J**	<0.50	<0.50 UJ
	S-16	09/09/24	SW8260	<0.50	0.61	**5.2**	<0.50	<0.50	19	<1.0	0.79	**32**
	S-16	07/07/25	SW8260	<5.0	<5.0	**8.5**	<5.0	<5.0	32	<10	<5.0	**41**
S-17	S-17	03/13/07	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.0	<1.0	**150**	**110**
	S-17	02/13/14	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	**140**	**170**
	S-17[a]	02/13/14	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	**130**	**160**
	S-17	07/31/14	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	**200**	**180**
	S-17[a]	07/31/14	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	**190**	**180**
	S-17	01/30/15	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	**230**	**210**

Appendix F
Select Historical Groundwater Analytical Results in the Shallow Groundwater Zone
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
S-17 (cont'd)	S-17	07/24/15	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	**250**	**240**
	S-17	01/26/16	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	**230**	**190**
	S-17	07/20/16	SW8260	0.59	<0.50	<0.50	<0.50	0.54	2.0	<1.0	**180**	**200**
	S-17	01/18/17	SW8260	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	**220**	**200**
	S-17	07/14/17	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	**210**	**190**
	S-17	02/14/18	SW8260	<0.50	<0.50	<0.50	<0.50	0.54	1.8	<1.0	**200**	**160**
	S-17[a]	02/14/18	SW8260	<0.50	<0.50	<0.50	<0.50	0.54	1.7	<1.0	**200**	**150**
	S-17	07/12/18	SW8260	<0.50	<0.50	<0.50	<0.50	0.79	1.8	<1.0	**180**	**160**
	S-17	01/16/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.5	<1.0	**170**	**140**
	S-17	07/09/19	SW8260	<0.50	<0.50	<0.50	<0.50	0.74	1.7	<1.0	**190**	**130**
	S-17	01/21/20	SW8260	0.59	<0.50	<0.50	<0.50	0.65	2.1	<1.0	**200**	**190**
	S-17	07/31/20	SW8260	<0.50	<0.50	<0.50	<0.50	1.2	1.9	<1.0	**200**	**170**
	S-17	01/18/21	SW8260	0.52	<0.50	<0.50	<0.50	1.3	2.3	<1.0	**230**	**190**
	S-17	07/13/21	SW8260	0.53	<0.50	<0.50	<0.50	1.3	2.1	<1.0	**230**	**190**
	S-17	01/12/22	SW8260	0.57	<0.50	<0.50	<0.50	1.3	2.3	<1.0	**210**	**180**
	S-17[a]	01/12/22	SW8260	0.53	<0.50	<0.50	<0.50	1.3	2.2	<1.0	**200**	**180**
	S-17	07/05/22	SW8260	0.61	<0.50	<0.50	<0.50	1.7	2.6	<1.0	**240**	**200**
	S-17	01/12/23	SW8260	0.54	<0.50	<0.50	<0.50	1.3	2.0	<1.0	**200**	**160**
	S-17	07/21/23	SW8260	<0.50	<0.50	<0.50	<0.50	1.3	2.0	<1.0	**210**	**170**
	S-17[a]	07/21/23	SW8260	<0.50	<0.50	<0.50	<0.50	1.2	1.9	<1.0	**190**	**180**
	S-17	01/10/24	SW8260	0.64	<0.50	<0.50	<0.50	0.90	1.9	<1.0	**160**	**130**
	S-17	08/05/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.0	<1.0	**120**	**82**
	S-17	01/15/25	SW8260	<0.50 J	<0.50 J	<0.50 J	<0.50 J	0.83 J	1.4 J	<1.0 J	**160 J**	**120 J**
	S-17	08/07/25	SW8260	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	**140**	**110 J-**

Appendix F
Select Historical Groundwater Analytical Results in the Shallow Groundwater Zone
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
S-18	S-18	03/08/07	SW8260	<0.50	4.2	**7.7**	2.5	<0.50	**170**	<1.0	3.9	**130**
	S-18	07/31/14	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	**150**	<10	<5.0	**47**
	S-18[a]	07/31/14	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	**150**	<10	<5.0	**42**
	S-18	07/10/15	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	**250**	<10	**6.2**	**33**
	S-18[a]	07/10/15	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	**240**	<10	**6.0**	**33**
	S-18	07/29/16	SW8260	<2.5	<2.5	<2.5	<2.5	<2.5	79	<5.0	<2.5	**44**
	S-18	07/25/17	SW8260	<0.50	1.2	1.8	<0.50	<0.50	44	<1.0	0.88	**41**
	S-18	07/25/18	SW8260	<0.50	1.1	2.0	0.51	<0.50	53	<1.0	1.4	**42**
	S-18	07/19/19	SW8260	<0.50	0.93	2.4	<0.50	<0.50	**190**	<1.0	2.5	**33**
	S-18	07/30/20	SW8260	<0.50	1.7	**5.3**	<0.50	<0.50	**440**	<1.0	4.7	**46**
	S-18	07/14/21	SW8260	<0.50	1.6	4.3	<0.50	<0.50	**370**	<1.0	4.4	**42**
	S-18	07/27/22	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	**340**	<10	<5.0	**44**
	S-18	08/02/23	SW8260	<0.50	<0.50	0.78	<0.50	<0.50	40	<1.0	<0.50	**13**
	S-18	08/19/24	SW8260	<0.50	1.3	3.7	<0.50	<0.50	**260**	<1.0	2.6	**30**
	S-18	07/22/25	SW8260	<2.5	<2.5	2.9	<2.5	<2.5	**220**	<5.0	<2.5	**19**
	S-18[a]	07/22/25	SW8260	<2.5	<2.5	2.9	<2.5	<2.5	**220**	<5.0	<2.5	**18**
S-19	S-19	10/24/07	SW8260	0.69	<0.50	<0.50	<0.50	<0.50	4.6	<1.0	<0.50	1.8
	S-19	02/13/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.9	<1.0	<0.50	<0.50
	S-19	08/12/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	2.4	<1.0	<0.50	<0.50
	S-19	02/04/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	2.1	<1.0	<0.50	<0.50
	S-19[a]	02/04/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	2.2	<1.0	<0.50	<0.50
	S-19	07/24/15	SW8260	<0.50	0.51	<0.50	<0.50	<0.50	2.3	<1.0	<0.50	<0.50
	S-19	01/15/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.8	<1.0	<0.50	<0.50
	S-19	07/26/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	3.1	<1.0	<0.50	<0.50

Appendix F
Select Historical Groundwater Analytical Results in the Shallow Groundwater Zone
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
S-19 (cont'd)	S-19	01/30/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.6	<1.0	<0.50	<0.50
	S-19	07/10/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.96	<1.0	<0.50	<0.50
	S-19	02/22/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.56	<1.0	<0.50	<0.50
	S-19	08/14/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.4	<1.0	<0.50	<0.50
	S-19	01/25/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.74	<1.0	<0.50	<0.50
	S-19	09/16/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.0	<1.0	<0.50	<0.50
	S-19	08/04/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	<1.0	<0.50	<0.50
	S-19	07/15/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	<1.0UJ	<0.50	<0.50
	S-19	07/25/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	<1.0	<0.50	<0.50
	S-19	09/14/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.74	<1.0	<0.50	<0.50
	S-19	08/27/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.75	<1.0	<0.50	<0.50
	S-19	07/07/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.64	<1.0	<0.50	<0.50
S-20	S-20	03/13/07	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-20	02/13/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-20	08/08/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-20	02/02/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-20	07/16/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-20	01/14/16	SW8260	<0.50	<0.50	<0.51	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-20	07/28/16	SW8260	<0.50	<0.50	<0.52	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-20	01/30/17	SW8260	<0.50	<0.50	<0.53	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-20	07/11/17	SW8260	<0.50	<0.50	<0.54	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-20	02/23/18	SW8260	<0.50	<0.50	<0.55	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-20	08/13/18	SW8260	<0.50	<0.50	<0.56	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-20	01/31/19	SW8260	<0.50	<0.50	<0.57	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50

Appendix F
Select Historical Groundwater Analytical Results in the Shallow Groundwater Zone
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
S-20 (cont'd)	S-20	07/22/19	SW8260	<0.50	<0.50	<0.58	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-20	08/03/20	SW8260	<0.50	<0.50	<0.59	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-20[a]	08/03/20	SW8260	<0.50	<0.50	<0.60	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-20	07/15/21	SW8260	<0.50	<0.50	<0.60	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-20	07/26/22	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0
	S-20	07/18/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-20	08/13/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-20	07/09/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
S-21	S-21	03/09/07	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-21	02/20/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	11	<1.0	<0.50	1.5
	S-21	07/29/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	7.2	<1.0	<0.50	0.92
	S-21	01/27/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	12	<1.0	<0.50	1.8
	S-21	07/09/15	SW8260	<0.50UJ	<0.50UJ	<0.50UJ	<0.50UJ	<0.50UJ	3.8J	<1.0UJ	<0.50UJ	0.71J
	S-21	01/14/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	2.8	<1.0	<0.50	<0.50
	S-21	07/26/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	16	<1.0	<0.50	1.4
	S-21	01/27/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	5.0	<1.0	<0.50	<0.50
	S-21[a]	01/27/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	4.8	<1.0	<0.50	<0.50
	S-21	07/21/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	19	<1.0	<0.50	0.68
	S-21	02/21/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	12	<1.0	<0.50	<0.50
	S-21[a]	02/21/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	12	<1.0	<0.50	<0.50
	S-21	08/14/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	34	<1.0	<0.50	0.61
	S-21[a]	08/14/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	32	<1.0	<0.50	0.6
	S-21	01/24/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	14	<1.0	<0.50	<0.50
	S-21	07/29/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	43	<1.0	<0.50	1.4

Appendix F
Select Historical Groundwater Analytical Results in the Shallow Groundwater Zone
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
S-21 (cont'd)	S-21	08/05/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	39	<1.0	<0.50	<0.59
	S-21	07/19/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	34	<1.0	<0.50	<0.59
	S-21	07/20/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	50	<1.0	<0.50	0.64
	S-21	07/19/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	38	<1.0	<0.50	0.57
	S-21	08/12/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	53	<1.0	<0.50	0.60
	S-21	07/17/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	42	<1.0	<0.50	0.52
	S-21[a]	07/17/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	44	<1.0	<0.50	0.52
S-22	S-22	03/08/07	SW8260	5.0	<0.50	<0.50	<0.50	<0.50	0.93	<1.0	**6.6**	**6.3**
	S-22	01/31/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-22[a]	01/31/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-22	07/15/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.99
	S-22	01/20/22	SW8260	0.54	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.64
	S-22	08/09/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
S-23	S-23	03/13/07	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	<1.0	<0.50	1.1
	S-23	02/04/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-23	07/28/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-23	01/26/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-23	07/07/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-23[a]	07/07/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-23	01/13/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-23	07/22/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.60	<1.0	<0.50	0.63
	S-23	01/20/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.60	<1.0	<0.50	0.67
	S-23	07/11/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	7.3	<1.0	<0.50	1.5

Appendix F
Select Historical Groundwater Analytical Results in the Shallow Groundwater Zone
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
S-23 (cont'd)	S-23	02/23/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.7	<1.0	<0.50	0.93
	S-23	08/14/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	4.4	<1.0	<0.50	1.5
	S-23	01/29/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	9.9	<1.0	<0.50	2.0
	S-23	07/24/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	9.1	<1.0	<0.50	2.3
	S-23	02/03/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	8.2	<1.0	<0.50	1.9
	S-23	08/03/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	7.3	<1.0	<0.50	1.7
	S-23	01/25/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	9.7	<1.0	<0.50	2.1
	S-23	07/16/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	9.2	<1.0UJ	<0.50	2.1
	S-23	01/21/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	8.6	<1.0	<0.50	1.8
	S-23[a]	01/21/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	8.8	<1.0	<0.50	1.8
	S-23	07/20/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1
	S-23	01/20/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	4.0	<1.0	<0.50	1.5
	S-23	08/03/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	8.7J+	<1.0	<0.50	2.1J+
	S-23	01/25/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	4.4	<1.0	<0.50	1.6
	S-23	08/29/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	6.6	<1.0	<0.50	1.9
	S-23[a]	08/29/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	6.5	<1.0	<0.50	2.0
	S-23	01/20/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	7.4	<1.0	<0.50	2.2
	S-23	07/17/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	6.9	<1.0	<0.50	2.1
S-24	S-24	03/08/07	SW8260	<0.50	1.5	4.6	<0.50	<0.50	**310**	<1.0	<0.50	**10**
	S-24	02/07/14	SW8260	<2.5	<2.5	3.8	<2.5	<2.5	**260**	<5.0	<2.5	**13**
	S-24	07/28/14	SW8260	0.74	1.6	4.9	<0.50	<0.50	**250**	<1.0	<0.50	**20**
	S-24[a]	07/28/14	SW8260	0.72	1.7	**5.1**	<0.50	<0.50	**260**	<1.0	<0.50	**20**
	S-24	01/26/15	SW8260	<5.0	<5.0	5.0	<5.0	<5.0	**240**	<10	<5.0	**16**
	S-24	07/07/15	SW8260	<0.50	1.5	5.0	<0.50	<0.50	**250**	<1.0	<0.50	**19**

Appendix F
Select Historical Groundwater Analytical Results in the Shallow Groundwater Zone
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
S-24 (cont'd)	S-24	01/14/16	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	**220**	<10	<5.0	**15**
	S-24[a]	01/14/16	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	**230**	<10	<5.0	**15**
	S-24	07/29/16	SW8260	<2.5	<2.5	5.0	<2.5	<2.5	**290**	<5.0	<2.5	**19**
	S-24	01/20/17	SW8260	<2.5	<2.5	5.0	<2.5	<2.5	**310**	<5.0	<2.5	**17**
	S-24	07/21/17	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	**270**	<10	<5.0	**17**
	S-24[a]	07/21/17	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	**270**	<10	<5.0	**17**
	S-24	02/26/18	SW8260	<0.50	1.4	4.4	<0.50	<0.50	**250**	<1.0	<0.50	**16**
	S-24	08/14/18	SW8260	0.70	1.8	4.5	<0.50	<0.50	**290**	<1.0	<0.50	**18**
	S-24	01/29/19	SW8260	<0.50	2.1	**5.2**	<0.50	<0.50	**340**	<1.0	<0.50	**20**
	S-24	07/22/19	SW8260	<0.50	1.6	4.3	<0.50	<0.50	**300**	<1.0	<0.50	**18**
	S-24	02/03/20	SW8260	<0.50	1.9	4.5	<0.50	<0.50	**300**	<1.0	<0.50	**15**
	S-24	07/28/20	SW8260	<0.50	1.5	4.1	<0.50	<0.50	**240**	<1.0	<0.50	**9.8**
	S-24	01/25/21	SW8260	<0.50	2.0	4.2	<0.50	<0.50	**310**	<1.0	<0.50	**14**
	S-24	07/14/21	SW8260	<0.50	1.5	4.0	<0.50	<0.50	**280**	<1.0	<0.50	**12**
	S-24	01/21/22	SW8260	<0.50	1.7	4.2	<0.50	<0.50	**270**	<1.0	<0.50	**9.9**
	S-24	07/19/22	SW8260	<0.50	1.8	4.6	<0.50	<0.50	**300**	<1.0	<0.50	**13**
	S-24[a]	07/19/22	SW8260	<0.50	1.8	4.6	<0.50	<0.50	**310**	<1.0	<0.50	**13**
	S-24	01/16/23	SW8260	<0.50	1.6	4.2	<0.50	<0.50	**260**	<1.0	<0.50	**10**
	S-24	07/19/23	SW8260	<0.50	1.1	3.9	<0.50	<0.50	**250**	<1.0	<0.50	**9.1**
	S-24	01/12/24	SW8260	0.57	1.7	4.7	<0.50	<0.50	**290**	<1.0	<0.50	**17**
	S-24	08/23/24	SW8260	0.70	1.6	4.9	<0.50	<0.50	**280**	<1.0	0.50	**22**

Appendix F
Select Historical Groundwater Analytical Results in the Shallow Groundwater Zone
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
S-25	S-25	03/09/07	SW8260	<0.50	<0.50	<0.50	<0.50	0.86	<0.50	<1.0	4.4	3.6
	S-25	02/20/14	SW8260	<0.50	<0.50	<0.50	<0.50	1.5	<0.50	<1.0	3.5	3.8
	S-25	07/29/14	SW8260	<0.50	<0.50	<0.50	<0.50	1.5	<0.50	<1.0	4.0	4.0
	S-25	01/27/15	SW8260	<0.50	<0.50	<0.50	<0.50	1.4	<0.50	<1.0	3.2	3.7
	S-25	07/08/15	SW8260	<0.50UJ	<0.50UJ	<0.50UJ	<0.50UJ	1.7J	<0.50UJ	<1.0UJ	3.8J	3.7J
	S-25	01/27/16	SW8260	<0.50	<0.50	<0.50	<0.50	1.4	<0.50	<1.0	3.1	3.3
	S-25	07/19/16	SW8260	<0.50	<0.50	<0.50	<0.50	1.5	<0.50	<1.0	3.5	3.5
	S-25	01/18/17	SW8260	<0.50	<0.50	<0.50	<0.50	1.6	<0.50	<1.0	3.7	3.8
	S-25	07/14/17	SW8260	<0.50	<0.50	<0.50	<0.50	1.4	<0.50	<1.0	3.0	3.7
	S-25[a]	07/14/17	SW8260	<0.50	<0.50	<0.50	<0.50	1.3	<0.50	<1.0	2.7	3.5
	S-25	02/13/18	SW8260	<0.50	<0.50	<0.50	<0.50	1.4	<0.50	<1.0	2.8	3.5
	S-25	07/09/18	SW8260	<0.50	<0.50	<0.50	<0.50	1.7	<0.50	<1.0	3.2	4.2
	S-25	01/16/19	SW8260	<0.50	<0.50	<0.50	<0.50	1.3	<0.50	<1.0	3.0	4.1
	S-25	07/10/19	SW8260	<0.50	<0.50	<0.50	<0.50	1.3	<0.50	<1.0	2.8	3.1
	S-25	01/22/20	SW8260	<0.50	<0.50	<0.50	<0.50	0.89	<0.50	<1.0	3.4	3.9
	S-25	07/16/20	SW8260	<0.50	<0.50	<0.50	<0.50	1.7	<0.50	<1.0	3.3	4.1
	S-25	01/18/21	SW8260	<0.50	<0.50	<0.50	<0.50	1.6	<0.50	<1.0	3.7	4.2
	S-25[a]	01/18/21	SW8260	<0.50	<0.50	<0.50	<0.50	1.6	<0.50	<1.0	3.4	4.1
	S-25	07/07/21	SW8260	<0.50	<0.50	<0.50	<0.50	1.5	<0.50	<1.0	3.2	3.4
	S-25	01/12/22	SW8260	<0.50	<0.50	<0.50	<0.50	1.4	<0.50	<1.0	3.5	3.8
	S-25	07/05/22	SW8260	<0.50	<0.50	<0.50	<0.50	1.5	<0.50	<1.0	4	3.9
	S-25	01/12/23	SW8260	<0.50	<0.50	<0.50	<0.50	1.4	<0.50	<1.0	3.8	3.7
	S-25	09/12/23	SW8260	<0.50	<0.50	<0.50	<0.50	1.2	<0.50	<1.0	3.1	3.2
	S-25	01/09/24	SW8260	<0.50	<0.50	<0.50	<0.50	1.2	<0.50	<1.0	3.4	4.0
	S-25[a]	01/09/24	SW8260	<0.50	<0.50	<0.50	<0.50	1.3	<0.50	<1.0	3.4	4.1

Appendix F
Select Historical Groundwater Analytical Results in the Shallow Groundwater Zone
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
S-25 (cont'd)	S-25	08/05/24	SW8260	<0.50	<0.50	<0.50	<0.50	0.89	<0.50	<1.0	4.1	4.1
	S-25[a]	08/05/24	SW8260	<0.50	<0.50	<0.50	<0.50	0.86	<0.50	<1.0	4.1	4.0
	S-25	01/15/25	SW8260	<0.50	<0.50	<0.50	<0.50	1.2	<0.50	<1.0	3.6	3.8
	S-25	08/14/25	SW8260	<0.50	<0.50	<0.50	<0.50	1.5	<0.50	<1.0	3.8	3.9
S-26	S-26	03/09/07	SW8260	<0.50	<0.50	**8.3**	**390**	<0.50	**280**	2.3	2.6	**140**
	S-26	02/20/14	SW8260	<5.0	<5.0	**7.9**	**7.6**	<5.0	**220**	<10	<5.0	**100**
	S-26	07/28/14	SW8260	<0.50	4.3	**7.9**	1.1	<0.50	**220**	2.2	2.0	**81**
	S-26	01/27/15	SW8260	<5.0	<5.0	**7.4**	<5.0	<5.0	**230**	<10	<5.0	**96**
	S-26	07/09/15	SW8260	<5.0	<5.0	**7.1**	<5.0	<5.0	**250**	<10	<5.0	**91**
	S-26	01/14/16	SW8260	<5.0	<5.0	**6.3**	**25**	<5.0	**210**	<10	<5.0	**73**
	S-26	07/29/16	SW8260	<2.5	3.8	**6.4**	<2.5	<2.5	**260**	<5.0	<2.5	**74**
	S-26[a]	07/29/16	SW8260	<2.5	3.9	**6.8**	<2.5	<2.5	**260**	<5.0	<2.5	**79**
	S-26	01/20/17	SW8260	<2.5	4.9	**7.4**	15	<2.5	**310**	**5.1**	<2.5	**84**
	S-26	07/21/17	SW8260	<5.0	<5.0	**6.6**	<5.0	<5.0	**250**	<10	<5.0	**77**
	S-26	02/22/18	SW8260	<0.50	3.7	**7.1**	3.0	<0.50	**250**	1.3	1.9	**72**
	S-26[a]	02/22/18	SW8260	<0.50	3.7	**7.3**	3.0	<0.50	**250**	1.3	1.9	**75**
	S-26	08/14/18	SW8260	<0.50	3.8	**7.0**	2.2	<0.50	**270**	1.8	1.8	**72**
	S-26	01/29/19	SW8260	<0.50	4.3	**6.9**	**9.5**	<0.50	**320**	1.4	1.5	**79**
	S-26	07/22/19	SW8260	<0.50	3.8	**6.9**	**35**	<0.50	**300**	1.2	2.2	**86**
	S-26	02/03/20	SW8260	<0.50	3.9	**6.4**	1.3	<0.50	**270**	<1.5	1.9	**72**
	S-26	07/30/20	SW8260	<0.50	2.9	**6.0**	**11**	<0.50	**220**	<1.0	1.5	**55**
	S-26	01/25/21	SW8260	<0.50	3.1	**5.3**	<0.50	<0.50	**270**	<1.0	1.4	**58**
	S-26	07/14/21	SW8260	<0.50	2.8	4.9	<0.50	<0.50	**220**	<1.0	1.3	**49**
	S-26	01/24/22	SW8260	<0.50	2.7	4.7	<0.50	<0.50	**250**	<1.0	1.1	**48**

Appendix F
Select Historical Groundwater Analytical Results in the Shallow Groundwater Zone
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
S-26 (cont'd)	S-26	07/22/22	SW8260	<0.50	2.9	**5.2**	<0.50	<0.50	**240**	<1.0	1.7	**53**
	S-26[a]	07/22/22	SW8260	<0.50	2.9	**5.1**	<0.50	<0.50	**240**	<1.0	1.8	**53**
	S-26	01/17/23	SW8260	<0.50	2.6	4.8	<0.50	<0.50	**210**	<1.0	1.5	**46**
	S-26	08/03/23	SW8260	<0.50	**5.7J+**	**7.2J+**	**14J+**	<0.50	**580J+**	1.7	0.96J+	**59J+**
	S-26	01/25/24	SW8260	<0.50	3.4	**7.1**	**5.1**	<0.50	**430**	1.4	1.2	**47**
	S-26[a]	01/25/24	SW8260	<0.50	3.3	**6.9**	4.9	<0.50	**430**	1.4	1.2	**49**
	S-26	08/12/24	SW8260	<0.50	3.5	**7.8**	**5.0**	<0.50	**430**	1.4	1.2	**49**
	S-26[a]	08/12/24	SW8260	<0.50	3.5	**7.7**	4.3	<0.50	**440**	1.5	1.2	**48**
	S-26	01/21/25	SW8260	<0.50	3.6	**7.8**	35 [a]	<0.50	**400**	1.4	1.2	**47**
	S-26	07/18/25	SW8260	<0.50	3.3	**7.2**	0.54	<0.50	**470**	1.1	0.96	**42**
S-27	S-27	03/05/07	SW8260	**100**	<0.50	<0.50	<0.50	**24**	41	<1.0	1.2	**6,400**
	S-27	08/14/14	SW8260	**76**	<5.0	<5.0	<5.0	**6.8**	10	<10	<5.0	**320**
	S-27	07/23/15	SW8260	**57**	<5.0	<5.0	<5.0	**13**	8.3	<10	<5.0	**200**
	S-27	07/28/16	SW8260	**63**	<2.5	<2.5	<2.5	**5.0**	9.5	<5.0	<2.5	**240**
	S-27	07/28/17	SW8260	**45**	<5.0	<5.0	<5.0	<5.0	7.7	<10	<5.0	**170**
	S-27[a]	07/28/17	SW8260	**46**	<5.0	<5.0	<5.0	<5.0	7.5	<10	<5.0	**170**
	S-27	07/25/18	SW8260	**38**	<0.50	<0.50	<0.50	3.3	6.7	<1.0	<0.50	**130**
	S-27	07/19/19	SW8260	**35**	<0.50	<0.50	<0.50	2.9	6.2	<1.0	<0.50	**130**
	S-27	07/30/20	SW8260	**18**	<0.50	<0.50	<0.50	1.7	3.6	<1.0	<0.50	**73**
	S-27	07/14/21	SW8260	**14**	<0.50	<0.50	<0.50	1.2	2.8	<1.0	<0.50	**55**
	S-27	07/20/22	SW8260	**10**	<0.50	<0.50	<0.50	0.84	2.1	<1.0	<0.50	**46**
	S-27	07/20/23	SW8260	**8.0**	<0.50	<0.50	<0.50	0.63	1.7	<1.0	<0.50	**40**
	S-27	08/28/24	SW8260	**7.8**	<0.50	<0.50	<0.50	0.84	2.4	<1.0	<0.50	**47**
	S-27[a]	08/28/24	SW8260	**7.1**	<0.50	<0.50	<0.50	0.79	2.2	<1.0	<0.50	**47**

Appendix F
Select Historical Groundwater Analytical Results in the Shallow Groundwater Zone
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
S-27 (cont'd)	S-27	07/01/25	SW8260	**6.90**	<2.5	<2.5	<2.5	<2.5	2.60	<5.0	<2.5	**42**
S-28	S-28	03/05/07	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-28	02/12/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-28	08/07/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-28	02/06/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-28	07/20/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-28	01/20/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-28	07/27/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-28	01/30/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-28	07/28/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-28	02/23/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-28	08/13/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-28	01/30/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-28	07/11/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-28	07/29/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-28[a]	07/29/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-28	07/12/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-28	07/07/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-28	07/17/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-28	08/28/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-28	07/25/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
S-30	S-30	03/08/07	SW8260	<0.50	<0.50	<0.50	<0.50	1.0	<0.50	<1.0	1.0	<0.50
	S-30	02/12/14	SW8260	<0.50	<0.50	<0.50	<0.50	2.5	<0.50	<1.0	0.60	<0.50
	S-30	08/06/14	SW8260	<0.50	<0.50	<0.50	<0.50	1.6	<0.50	<1.0	0.60	<0.50

Appendix F
Select Historical Groundwater Analytical Results in the Shallow Groundwater Zone
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
S-30 (cont'd)	S-30	02/06/15	SW8260	<0.50	<0.50	<0.50	<0.50	1.5	<0.50	<1.0	<0.50	<0.50
	S-30	07/21/15	SW8260	<0.50	<0.50	<0.50	<0.50	1.9	<0.50	<1.0	<0.50	<0.50
	S-30	01/27/16	SW8260	<0.50	<0.50	<0.50	<0.50	1.3	<0.50	<1.0	<0.50	<0.50
	S-30	07/15/16	SW8260	<0.50	<0.50	<0.50	<0.50	1.4	<0.50	<1.0	<0.50	<0.50
	S-30	01/17/17	SW8260	<0.50	<0.50	<0.50	<0.50	1.3	<0.50	<1.0	<0.50	<0.50
	S-30	07/12/17	SW8260	<0.50	<0.50	<0.50	<0.50	1.2	<0.50	<1.0	<0.50	<0.50
	S-30	02/15/18	SW8260	<0.50	<0.50	<0.50	<0.50	2.5	<0.50	<1.0	0.52	<0.50
	S-30	07/11/18	SW8260	<0.50	<0.50	<0.50	<0.50	1.5	<0.50	<1.0	<0.50	<0.50
	S-30	01/16/19	SW8260	<0.50	<0.50	<0.50	<0.50	1.3	<0.50	<1.0	<0.50	<0.50
	S-30	07/10/19	SW8260	<0.50	<0.50	<0.50	<0.50	1.9	<0.50	<1.0	<0.50	<0.50
	S-30	01/24/20	SW8260	<0.50	<0.50	<0.50	<0.50	4.0	<0.50	<1.0	1.3	<0.50
	S-30	07/16/20	SW8260	<0.50	<0.50	<0.50	<0.50	**5.3**	<0.50	<1.0	0.96	<0.50
	S-30[a]	07/16/20	SW8260	<0.50	<0.50	<0.50	<0.50	**5.1**	<0.50	<1.0	0.95	<0.50
	S-30	01/20/21	SW8260	<0.50	<0.50	<0.50	<0.50	**7.8**	0.62	<1.0	1.8	0.61
	S-30	07/16/21	SW8260	<0.50UJ	<0.50UJ	<0.50UJ	<0.50UJ	**6.8J**	<0.50UJ	<1.0UJ	1.7J	0.56J
	S-30	01/11/22	SW8260	<0.50	<0.50	<0.50	<0.50	**7.2**	0.79	<1.0	2.5	0.84
	S-30	07/06/22	SW8260	<0.50	<0.50	<0.50	<0.50	**7.2**	0.93	<1.0	2.5	0.75
	S-30	01/10/23	SW8260	<0.50	<0.50	<0.50	<0.50	**6.8**	0.99	<1.0	2.1	0.72
	S-30	07/27/23	SW8260	<0.50	<0.50	<0.50	<0.50	3.8	0.66	<1.0	1.6	0.50
	S-30	01/10/24	SW8260	<0.50	<0.50	<0.50	<0.50	1.9	<0.50	<1.0	<0.50	<0.50
	S-30	08/09/24	SW8260	<0.50	<0.50	<0.50	<0.50	1.8	<0.50	<1.0	<0.50	<0.50
	S-30	01/14/25	SW8260	<0.50	<0.50	<0.50	<0.50	2.5	<0.50	<1.0	<0.50	<0.50
	S-30	08/06/25	SW8260	<0.50	<0.50	<0.50	<0.50	2.0	0.56	<1.0	<0.50	<0.50

Appendix F
Select Historical Groundwater Analytical Results in the Shallow Groundwater Zone
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
S-31	S-31	02/19/14	8260B	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-31	07/22/15	8260B	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-31	01/11/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
S-32	S-32	02/23/07	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-32	02/01/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-32	01/14/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-32	08/26/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
S-33	S-33	02/23/07	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	0.55	<0.50
	S-33	02/01/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	0.95	<0.50
	S-33	01/14/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	0.83	<0.50
	S-33	08/26/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	0.83	<0.50
S-34	S-34	02/23/07	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-34	07/25/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-34	07/23/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-34	07/28/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-34	02/01/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-34	01/14/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-34	08/26/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
S-35	S-35	03/07/07	SW8260	<0.50	<0.50	<0.50	<0.50	**11**	<0.50	<1.0	<0.50	<0.50
	S-35	02/12/14	SW8260	<0.50	<0.50	<0.50	<0.50	**19**	0.98	<1.0	<0.50	<0.50
	S-35	08/08/14	SW8260	<0.50	<0.50	<0.50	<0.50	**22**	1.4	<1.0	<0.50	<0.50
	S-35	02/04/15	SW8260	<0.50	<0.50	<0.50	<0.50	**22**	1.5	<1.0	<0.50	<0.50

Appendix F
Select Historical Groundwater Analytical Results in the Shallow Groundwater Zone
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
S-35 (cont'd)	S-35	07/21/15	SW8260	<0.50	<0.50	<0.50	<0.50	**21**	1.7	<1.0	<0.50	<0.50
	S-35	01/28/16	SW8260	<0.50	<0.50	<0.50	<0.50	**21**	1.6	<1.0	<0.50	<0.50
	S-35	07/18/16	SW8260	<0.50	<0.50	<0.50	<0.50	**24**	1.8	<1.0	<0.50	<0.50
	S-35	01/17/17	SW8260	<0.50	<0.50	<0.50	<0.50	**27**	1.9	<1.0	<0.50	<0.50
	S-35	07/12/17	SW8260	<0.50	<0.50	<0.50	<0.50	**22**	1.7	<1.0	<0.50	<0.50
	S-35	02/20/18	SW8260	<0.50	<0.50	<0.50	<0.50	**30**	2.5	<1.0	<0.50	<0.50
	S-35	07/11/18	SW8260	<0.50	<0.50	<0.50	<0.50	**26**	2.5	<1.0	<0.50	<0.50
	S-35	01/17/19	SW8260	<0.50	<0.50	<0.50	<0.50	**27**	2.5	<1.0	<0.50	<0.50
	S-35	07/11/19	SW8260	<0.50	<0.50	<0.50	<0.50	**28**	2.9	<1.0	<0.50	<0.50
	S-35	01/23/20	SW8260	<0.50	<0.50	<0.50	<0.50	**23**	2.6	<1.0	<0.50	<0.50
	S-35	07/29/20	SW8260	<0.50	<0.50	<0.50	<0.50	**34**	2.9	<1.0	<0.50	<0.50
	S-35	01/20/21	SW8260	<0.50	<0.50	<0.50	<0.50	**32**	3	<1.0	<0.50	<0.50
	S-35[a]	01/20/21	SW8260	<0.50	<0.50	<0.50	<0.50	**32**	3	<1.0	<0.50	<0.50
	S-35	07/12/21	SW8260	<0.50	<0.50	<0.50	<0.50	**26**	2.6	<1.0	<0.50	<0.50
	S-35	01/11/22	SW8260	<0.50	<0.50	<0.50	<0.50	**29**	2.9	<1.0	<0.50	<0.50
	S-35	07/07/22	SW8260	<0.50	<0.50	<0.50	<0.50	**30**	2.9	<1.0	<0.50	<0.50
	S-35	01/10/23	SW8260	<0.50	<0.50	<0.50	<0.50	**29**	2.9	<1.0	<0.50	<0.50
	S-35[a]	01/10/23	SW8260	<0.50	<0.50	<0.50	<0.50	**29**	3.0	<1.0	<0.50	<0.50
	S-35	07/20/23	SW8260	<0.50	<0.50	<0.50	<0.50	**24**	2.6	<1.0	<0.50	<0.50
	S-35	01/09/24	SW8260	<0.50	<0.50	<0.50	<0.50	**30 J**	3.7 J	<1.0	<0.50	<0.50
	S-35	08/14/24	SW8260	<0.50	<0.50	<0.50	<0.50	**28**	3.7	<1.0	<0.50	<0.50
	S-35[a]	08/14/24	SW8260	<0.50	<0.50	<0.50	<0.50	**28**	3.6	<1.0	<0.50	<0.50
	S-35	01/15/25	SW8260	<0.50	<0.50	<0.50	<0.50	**26**	3.2	<1.0	<0.50	<0.50
	S-35	08/14/25	SW8260	<0.50	<0.50	<0.50	<0.50	**24**	3.5	<1.0	<0.50	<0.50
	S-35[a]	08/14/25	SW8260	<0.50	<0.50	<0.50	<0.50	**23**	3.4	<1.0	<0.50	<0.50

Appendix F
Select Historical Groundwater Analytical Results in the Shallow Groundwater Zone
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
S-36	S-36	03/08/07	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	R
	S-36	01/27/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.66
	S-36	01/19/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-36	09/17/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
S-40	S-40	03/06/07	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	1.5	**32**
	S-40	02/11/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**9.8**
	S-40[a]	02/11/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**10**
	S-40	08/05/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**15**
	S-40	02/11/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**8.8**
	S-40	07/20/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**11**
	S-40	01/20/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**8.8**
	S-40	07/27/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**9.6**
	S-40	01/31/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**6.5**
	S-40	02/08/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.74	<1.0	<0.50	**6.1**
	S-40[a]	02/08/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.74	<1.0	<0.50	**6.2**
	S-40	01/14/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.51	<1.0	<0.50	**9.4**
	S-40	07/15/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.99	<1.0	<0.50	**6.8**
	S-40	02/05/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.4	<1.0	<0.50	**5.9**
	S-40	01/21/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.7	<1.0	<0.50	**5.8**
	S-40	01/20/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.5	<1.0	<0.50	**9.2**
	S-40	07/20/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.8	<1.0	<0.50	**5.6**
	S-40[a]	07/20/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.7	<1.0	<0.50	**5.5**
	S-40	01/11/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	2.0 J	<1.0	<0.50	4.9 J

Appendix F
Select Historical Groundwater Analytical Results in the Shallow Groundwater Zone
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
S-40 (cont'd)	S-40	08/09/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.8	<1.0	<0.50	**5.1**
	S-40	07/16/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	<1.0	<0.50	**5.7**
	S-40[a]	07/16/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	<1.0	<0.50	**5.8**
S-41	S-41	03/02/07	SW8260	<0.50	<0.50	<0.50	<0.50	**11**	<0.50	<1.0	<0.50	<0.50
	S-41	02/11/14	SW8260	<0.50	<0.50	<0.50	<0.50	**11**	<0.50	<1.0	<0.50	<0.50
	S-41	08/06/14	SW8260	<0.50	<0.50	<0.50	<0.50	**14**	<0.50	<1.0	<0.50	<0.50
	S-41	02/06/15	SW8260	<0.50	<0.50	<0.50	<0.50	**11**	<0.50	<1.0	<0.50	<0.50
	S-41	07/21/15	SW8260	<0.50	<0.50	<0.50	<0.50	**11**	<0.50	<1.0	<0.50	<0.50
	S-41	01/28/16	SW8260	<0.50	<0.50	<0.50	<0.50	**12**	<0.50	<1.0	<0.50	<0.50
	S-41	07/18/16	SW8260	<0.50	<0.50	<0.50	<0.50	**12**	<0.50	<1.0	<0.50	<0.50
	S-41	01/18/17	SW8260	<0.50	<0.50	<0.50	<0.50	**14**	<0.50	<1.0	<0.50	<0.50
	S-41	07/12/17	SW8260	<0.50	<0.50	<0.50	<0.50	**11**	<0.50	<1.0	<0.50	<0.50
	S-41	02/15/18	SW8260	<0.50	<0.50	<0.50	<0.50	**15**	<0.50	<1.0	<0.50	<0.50
	S-41	07/11/18	SW8260	<0.50	<0.50	<0.50	<0.50	**13**	<0.50	<1.0	<0.50	<0.50
	S-41	01/17/19	SW8260	<0.50	<0.50	<0.50	<0.50	**13**	<0.50	<1.0	<0.50	<0.50
	S-41	07/10/19	SW8260	<0.50	<0.50	<0.50	<0.50	**12**	<0.50	<1.0	<0.50	<0.50
	S-41	01/24/20	SW8260	<0.50	<0.50	<0.50	<0.50	**11**	<0.50	<1.0	<0.50	<0.50
	S-41[a]	01/24/20	SW8260	<0.50	<0.50	<0.50	<0.50	**12**	0.51	<1.0	<0.50	<0.50
	S-41	07/16/20	SW8260	<0.50	<0.50	<0.50	<0.50	**21**	0.59	<1.0	<0.50	<0.50
	S-41	01/20/21	SW8260	<0.50	<0.50	<0.50	<0.50	**19**	0.62	<1.0	<0.50	<0.50
	S-41	07/12/21	SW8260	<0.50	<0.50	<0.50	<0.50	**15**	<0.50	<1.0	<0.50	<0.50
	S-41	01/11/22	SW8260	<0.50	<0.50	<0.50	<0.50	**17**	0.55	<1.0	<0.50	<0.50
	S-41	07/06/22	SW8260	<0.50	<0.50	<0.50	<0.50	**18**	0.55	<1.0	<0.50	<0.50
	S-41[a]	07/06/22	SW8260	<0.50	<0.50	<0.50	<0.50	**18**	0.55	<1.0	<0.50	<0.50

Appendix F
Select Historical Groundwater Analytical Results in the Shallow Groundwater Zone
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
S-41 (cont'd)	S-41	01/10/23	SW8260	<0.50	<0.50	<0.50	<0.50	**17**	0.62	<1.0	<0.50	<0.50
	S-41	07/20/23	SW8260	<0.50	<0.50	<0.50	<0.50	**14**	<0.50	<1.0	<0.50	<0.50
	S-41	01/10/24	SW8260	<0.50	<0.50	<0.50	<0.50	**18**	0.72	<1.0	<0.50	<0.50
	S-41	08/15/24	SW8260	<0.50	<0.50	<0.50	<0.50	**17**	0.84	<1.0	<0.50	<0.50
	S-41	01/14/25	SW8260	<0.50	<0.50	<0.50	<0.50	**17**	0.83	<1.0	<0.50	<0.50
	S-41	08/06/25	SW8260	<0.50	<0.50	<0.50	<0.50	**18**	1.0	<1.0	<0.50	<0.50
S-42	S-42	03/07/07	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-42	02/19/14	SW8260	2.8	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-42[a]	02/19/14	SW8260	2.8	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-42	07/25/14	SW8260	2.7	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-42	01/28/15	SW8260	1.5	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-42	07/22/15	SW8260	1.5	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-42	01/13/16	SW8260	0.91	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-42	07/20/16	SW8260	1.2	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-42	01/25/17	SW8260	1.4	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-42	02/08/18	SW8260	1.4	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-42	01/14/22	SW8260	0.9	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50

Appendix F
Select Historical Groundwater Analytical Results in the Gravel Subunit
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
CRA-2	CRA-2	03/19/07	SW8260	<120	<120	<120	<120	<120	<120	<250	<120	**31,000**
	CRA-2	07/24/14	SW8260	<0.50	<0.50	1.0	<0.50	<0.50	1.4	<1.0	<0.50	**410**
	CRA-2	07/15/15	SW8260	<0.50	<0.50	1.0	<0.50	<0.50	1.3	<1.0	<0.50	**310**
	CRA-2	07/13/16	SW8260	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	**210**
	CRA-2	07/20/17	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	**190**
	CRA-2	07/20/18	SW8260	<0.50	<0.50	0.63	<0.50	<0.50	0.84	<1.0	<0.50	**150**
	CRA-2	07/25/19	SW8260	<0.50	<0.50	0.57	<0.50	<0.50	0.86	<1.0	<0.50	**180**
	CRA-2	07/28/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.73	<1.0	<0.50	**81**
	CRA-2[a]	07/28/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.70	<1.0	<0.50	**79**
	CRA-2	07/29/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**82**
	CRA-2	07/21/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**76**
	CRA-2	08/15/23	SW8260	<0.50	<0.50	2.7	<0.50	<0.50	5.4	<1.0	1.3	**130**
	CRA-2	09/19/24	SW8260	<0.50	<0.50	<0.50	<0.50	0.51	1.3	<1.0	<0.50	**74 J**
	CRA-2	08/04/25	SW8260	1.6 J+	<0.50	<0.50	<0.50	<0.50	0.86 J+	<1.0	<0.50	**32 J+**
	CRA-2[a]	08/04/25	SW8260	1.6	<0.50	<0.50	<0.50	<0.50	0.83	<1.0	<0.50	**32**
CRA-5	CRA-5	04/20/07	SW8260	6.3	0.54	**9.5**	<0.50	**13**	41	<1.0	6.1	**23,000**
	CRA-5	02/04/14	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	**1,200**
	CRA-5	05/06/14	SW8260	3.9	<2.5	2.8	<2.5	<2.5	4.9	<5.0	2.7	**1,100**
	CRA-5	08/05/14	SW8260	4.5	<0.50	3	<0.50	2	5.7	<1.0	2.9	**1,100**
	CRA-5[a]	08/05/14	SW8260	4.7	<0.50	3.1	<0.50	2	5.7	<1.0	3.1	**1,200**
	CRA-5	11/04/14	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	**1,100**
	CRA-5[a]	11/04/14	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	**1,000**
	CRA-5	02/03/15	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	**870**
	CRA-5[a]	02/03/15	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	**860**

Appendix F
Select Historical Groundwater Analytical Results in the Gravel Subunit
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
CRA-5 (cont'd)	CRA-5	05/05/15	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	5.7	<10	<5.0	**980**
	CRA-5	07/09/15	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	**910**
	CRA-5	11/04/15	SW8260	4.5	<0.50	3	<0.50	1.7	5.2	<1.0	2.6	**810**
	CRA-5	01/20/16	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	**680**
	CRA-5	05/02/16	SW8260	5.1	<0.50	2.6	<0.50	2	5.8	<1.0	2.2	**690**
	CRA-5	08/02/16	SW8260	4.4	<0.50	2.9	<0.50	1.3	5.1	<1.0	2.3	**630**
	CRA-5	11/02/16	SW8260	3.9	<0.50	2.5	<0.50	1.3	4.6	<1.0	2.1	**760**
	CRA-5	02/02/17	SW8260	4.8	<0.50	2.6	<0.50	1.7	5.1	<1.0	2	**660**
	CRA-5[a]	02/02/17	SW8260	4.8	<0.50	2.5	<0.50	1.7	5	<1.0	2	**730**
	CRA-5	05/01/17	SW8260	3.6	<0.50	2.3	<0.50	1.2	3.7	<1.0	1.9	**550**
	CRA-5	08/02/17	SW8260	3.7	<0.50	2.2	<0.50	1.4	4.3	<1.0	1.9	**590**
	CRA-5	11/02/17	SW8260	<10	<10	<10	<10	<10	<10	<20	<10	**480**
	CRA-5	02/01/18	SW8260	3.9	<0.50	2.2	<0.50	1.2	4.1	<1.0	1.6	**450**
	CRA-5	05/01/18	SW8260	3.6	<0.50	2	<0.50	1.1	3.9	<1.0	1.5	**440**
	CRA-5	08/08/18	SW8260	3.9	<0.50	1.9	<0.50	1.2	3.7	<1.0	1.5	**480**
	CRA-5[a]	08/08/18	SW8260	3.7	<0.50	1.9	<0.50	1.2	3.7	<1.0	1.4	**450**
	CRA-5	11/01/18	SW8260	3.7	<0.50	2	<0.50	1.3	4.2	<1.0	**1.6**	**430**
	CRA-5[a]	11/01/18	SW8260	3.5	<0.50	2	<0.50	1.3	4.4	<1.0	1.6	**390**
	CRA-5	02/06/19	SW8260	3.7	<0.50	2	<0.50	1.2	3.8	<1.0	1.4	**400**
	CRA-5[a]	05/01/19	SW8260	<5.0	<5.0	**8.9**	<5.0	<5.0	20	<10	<5.0	**430**
	CRA-5	08/05/19	SW8260	4.4	<0.50	1.8	<0.50	1.3	4.1	<1.0	1.5	**490**
	CRA-5	11/05/19	SW8260	3.4	<0.50	1.6	<0.50	1.1	3.1	<1.0	1.1	**400**
	CRA-5	02/03/20	SW8260	3.2	<0.50	1.7	<0.50	0.69	3.2	<1.0	1.1	**400**
	CRA-5	08/03/20	SW8260	2.5	<0.50	1.6	<0.50	1	3	<1.0	0.94	**360**
	CRA-5[a]	08/03/20	SW8260	2.5	<0.50	1.5	<0.50	1	2.9	<1.0	0.88	**370**

Appendix F
Select Historical Groundwater Analytical Results in the Gravel Subunit
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
CRA-5 (cont'd)	CRA-5	02/01/21	SW8260	2.6	<0.50	1.2	<0.50	1.1	3.2	<1.0	0.91	**290**
	CRA-5	08/02/21	SW8260	1.9	<0.50	1.0	<0.50	0.67	2.2	<1.0	0.82	**440**
	CRA-5[a]	08/02/21	SW8260	2.0	<0.50	1.0	<0.50	0.64	2.3	<1.0	0.84	**290**
	CRA-5	02/01/22	SW8260	2.3	<0.50	1.3	<0.50	0.84	2.8	1.4	0.83	**300**
	CRA-5	08/01/22	SW8260	2	<0.50	1.2	<0.50	0.91	3	<1.0	0.81	**300**
	CRA-5	02/01/23	SW8260	1.9	<0.50	1.1	<0.50	0.69	2.3	<1.0	0.73	**200**
	CRA-5	08/06/24	SW8260	1.8	<0.50	0.94	<0.50	<0.50	2.0	<1.0	0.60	**240**
	CRA-5	07/08/25	SW8260	**8.7**	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	**46**
	CRA-5	08/07/25	SW8260	6.9	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	**43**
CRA-6	CRA-6	03/13/07	SW8260	<0.50	2.7	**5.5**	1.1	<0.50	**400**	<1.0	<0.50	**12**
CRA-7	CRA-7	03/15/07	SW8260	4.4	<0.50	<0.50	<0.50	1.4	6.8	<1.0	<0.50	**450**
	CRA-7	02/20/14	SW8260	0.66	<0.50	<0.50	<0.50	<0.50	0.67	<1.0	<0.50	**28**
	CRA-7	07/21/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.8
	CRA-7	02/09/15	SW8260	0.51	<0.50	<0.50	<0.50	<0.50	0.51	<1.0	<0.50	**20**
	CRA-7	07/13/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**10**
	CRA-7	01/19/16	SW8260	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**13**
	CRA-7	07/12/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**6.4**
	CRA-7	01/24/17	SW8260	0.70	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**15**
	CRA-7	07/19/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.8**
	CRA-7	02/06/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**15**
	CRA-7	07/20/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**6.4**
	CRA-7	01/23/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**7.0**
	CRA-7	07/25/19	SW8260	0.76	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**15**

Appendix F
Select Historical Groundwater Analytical Results in the Gravel Subunit
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
CRA-7 (cont'd)	CRA-7	02/05/20	SW8260	0.91	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**15**
	CRA-7	07/24/20	SW8260	0.6	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**6.8**
	CRA-7[a]	07/24/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**6.2**
	CRA-7	01/28/21	SW8260	0.65	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**11**
	CRA-7	07/23/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.2
	CRA-7	01/24/22	SW8260	0.56	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**9.5**
	CRA-7	07/15/22	SW8260	0.54	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**7.1**
	CRA-7	01/23/23	SW8260	0.57J	<0.50J	<0.50J	<0.50J	<0.50J	<0.50J	<1.0J	<0.50J	**7.7J**
	CRA-7[d]	08/11/23	SW8260	<0.50	<0.50	<0.50	<0.50	**9.6**	1.6	<1.0	<0.50	<5.0
	CRA-7	11/29/23	SW8260	1.1	<0.50	<0.50	<0.50	<0.50	5.7	<1.0	<0.50	**37**
	CRA-7	01/18/24	SW8260	1.2	<0.50	<0.50	<0.50	<0.50	5.2	<1.0	<0.50	**30**
	CRA-7	08/12/24	SW8260	<0.50	<0.50	1.8	<0.50	0.67	15	<1.0	<0.50	**69**
	CRA-7	01/21/25	SW8260	<0.50	<0.50	2.1	<0.50	0.73	13	<1.0	0.56	**70**
	CRA-7a	01/21/25	SW8260	<0.50	<0.50	2.2	<0.50	0.77	14	<1.0	0.57	**69**
	CRA-7	07/18/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.78	<1.0	<0.50	7.0
CRA-8	CRA-8	03/16/07	SW8260	<0.50	**11**	**9.7**	**110**	<0.50	43	<1.0	<0.50	**170**
	CRA-8	08/12/14	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	21	<10	<5.0	**45**
	CRA-8	07/24/15	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	20	<10	<5.0	**45**
	CRA-8	07/26/16	SW8260	<2.5	<2.5	2.9	<2.5	<2.5	17	<5.0	<2.5	**41**
	CRA-8	07/27/17	SW8260	<0.50	1.0	2.4	<0.50	<0.50	14	<1.0	0.60	**40**
	CRA-8[a]	07/27/17	SW8260	<0.50	0.96	2.4	<0.50	<0.50	13	<1.0	0.58	**38**
	CRA-8	08/13/18	SW8260	<0.50	1.1	2.4	<0.50	0.50	14	<1.0	0.54	**35**
	CRA-8	07/12/19	SW8260	<0.50	1.7	**7.5**	<0.50	<0.50	35	<1.0	0.54	**81**
	CRA-8	07/20/20	SW8260	<0.50	0.84	2.1	<0.50	0.56	11	<1.0	0.80	**28**

Appendix F
Select Historical Groundwater Analytical Results in the Gravel Subunit
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
CRA-8 (cont'd)	CRA-8[a]	07/20/20	SW8260	<0.50	0.84	2.1	<0.50	0.54	11	<1.0	0.79	**29**
	CRA-8	07/13/21	SW8260	<0.50	0.6	1.4	<0.50	0.69	8	<1.0	0.9	**22**
	CRA-8	07/14/22	SW8260	<0.50	0.79	1.6	<0.50	0.5	10	<1.0	1.1	**28**
	CRA-8	07/24/23	SW8260	<0.50	<0.50	1.2	<0.50	0.51	5.2	<1.0	1.1	**18**
	CRA-8	08/27/24	SW8260	<0.50	<0.50	1.2	<0.50	0.78	7.3	<1.0	1.3	**18**
	CRA-8	07/09/25	SW8260	<0.50	<0.50	<0.50	<0.50	0.82	6.0	<1.0	1.1	**16**
CRA-9	CRA-9	03/07/07	SW8260	4.8	<0.50	<0.50	<0.50	0.81	0.81	<1.0	0.55	R
	CRA-9	02/17/14	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	**230**
	CRA-9	08/12/14	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	**140**
	CRA-9[a]	08/12/14	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	**150**
	CRA-9	02/02/15	SW8260	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**120**
	CRA-9	07/23/15	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	**120**
	CRA-9	01/20/16	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	**120**
	CRA-9	07/26/16	SW8260	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	**110**
	CRA-9	01/27/17	SW8260	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	**120**
	CRA-9	01/27/17	SW8260	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	**130**
	CRA-9	07/26/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**100**
	CRA-9	02/19/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**130**
	CRA-9	07/25/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**86**
	CRA-9	01/25/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**100**
	CRA-9	07/29/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**110**
	CRA-9	01/27/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**94**
	CRA-9	08/05/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**15**
	CRA-9	01/26/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**69**

Appendix F
Select Historical Groundwater Analytical Results in the Gravel Subunit
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
CRA-9 (cont'd)	CRA-9	07/19/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**60**
	CRA-9	01/24/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**72**
	CRA-9	07/27/22	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	**62**
	CRA-9[a]	07/27/22	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	**60**
	CRA-9	01/18/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**53**
	CRA-9[d]	09/13/23	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0
	CRA-9	11/21/23	SW8260	0.53	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.0
	CRA-9	01/17/24	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	**10**
	CRA-9	09/03/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**66**
	CRA-9[a]	09/03/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**66**
	CRA-9	01/09/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**43**
	CRA-9	07/08/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**49**
CRA-10	CRA-10	03/06/07	SW8260	<0.50	<0.50	<0.50	0.90	0.78	1.7	<1.0	<0.50	R
	CRA-10	02/13/14	SW8260	<0.50	<0.50	<0.50	0.73	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-10	08/12/14	SW8260	<0.50	<0.50	<0.50	0.79	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-10	02/02/15	SW8260	<0.50	<0.50	<0.50	0.58	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-10[b]	07/16/15	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0
	CRA-10	01/15/16	SW8260	<0.50	<0.50	<0.50	0.53	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-10[a]	01/15/16	SW8260	<0.50	<0.50	<0.50	0.52	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-10	07/26/16	SW8260	<0.50	<0.50	<0.50	0.57	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-10	01/30/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-10	07/11/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-10[a]	07/11/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-10	02/20/18	SW8260	<0.50	<0.50	<0.50	0.50	<0.50	<0.50	<1.0	<0.50	<0.50

Appendix F
Select Historical Groundwater Analytical Results in the Gravel Subunit
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
CRA-10 (cont'd)	CRA-10	07/24/18	SW8260	<0.50	<0.50	<0.50	0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-10	01/25/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-10	07/26/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-10	02/01/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-10	08/04/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-10	01/27/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-10	07/15/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0UJ	<0.50	<0.50
	CRA-10	01/24/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-10	07/25/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-10	01/18/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-10	09/14/23	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0
	CRA-10	01/25/24	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0
	CRA-10	08/30/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-10	01/09/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-10	07/08/25	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0
CRA-11	CRA-11	03/09/07	SW8260	<0.50	**5.1**	**8.6**	3.9	<0.50	28	<1.0	<0.50	**140**
	CRA-11	08/14/14	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	5.1	<10	<5.0	**22**
	CRA-11	07/24/15	SW8260	<0.50	2.5	**5.1**	0.57	<0.50	17	<1.0	<0.5	**48**
	CRA-11	07/12/16	SW8260	<2.5	<2.5	4.2	<2.5	<2.5	12	<5.0	<2.5	**52**
	CRA-11[a]	07/12/16	SW8260	<2.5	<2.5	4.2	<2.5	<2.5	12	<5.0	<2.5	**53**
	CRA-11	07/19/17	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	12	<10	<5.0	**47**
	CRA-11	07/19/18	SW8260	<0.50	1.4	3.2	<0.50	<0.50	11	<1.0	<0.50	**43**
	CRA-11[a]	07/19/18	SW8260	<0.50	1.5	3.3	<0.50	<0.50	11	<1.0	<0.50	**45**
	CRA-11	07/17/19	SW8260	<0.50	1.4	2.7	<0.50	<0.50	9.6	<1.0	<0.50	**37**

Appendix F
Select Historical Groundwater Analytical Results in the Gravel Subunit
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
CRA-11 (cont'd)	CRA-11	07/24/20	SW8260	<0.50	1.3	2.9	<0.50	<0.50	9.7	<1.0	<0.50	**34**
	CRA-11	07/28/21	SW8260	<0.50	0.72	2	<0.50	<0.50	8	<1.0	<0.50	**27**
	CRA-11	07/18/22	SW8260	<0.50	1.1	2.1	<0.50	0.75	8.7	<1.0	0.75	**31**
	CRA-11	08/15/23	SW8260	<0.50	0.57	1.3	<0.50	0.81	5.4	<1.0	0.89	**20**
	CRA-11[a]	08/15/23	SW8260	<0.50	0.55	1.3	<0.50	0.76	5.5	<1.0	0.86	**20**
	CRA-11	09/18/24	SW8260	<0.50	0.82	1.6	<0.50	1.0	7.1	<1.0	1.0	**22**
	CRA-11	08/04/25	SW8260	<0.50	0.81	1.7	<0.50	0.72	6.3	<1.0	0.64	**24**
CRA-12	CRA-12	07/01/03	SW8260	<2.0	**9.8**	**16**	**340**	<1.0	49	**17**	<1.0	**190**
	CRA-12	03/16/07	SW8260	<0.50	**5.2**	**9.9**	0.91	<0.50	33	4.5	<0.50	**180**
	CRA-12	07/22/14	SW8260	<5.0	<5.0	**7.5**	<5.0	<5.0	25	<10	<5.0	**72**
	CRA-12	07/14/15	SW8260	<5.0	<5.0	**6.4**	<5.0	<5.0	20	<10	<5.0	**49**
	CRA-12	07/13/16	SW8260	<2.5	<2.5	**7.2**	<2.5	<2.5	22	<5.0	<2.5	**68**
	CRA-12	07/20/17	SW8260	<5.0	<5.0	**6.3**	<5.0	<5.0	21	<10	<5.0	**62**
	CRA-12	07/19/18	SW8260	<0.50	2.7	**6.3**	<0.50	<0.50	22	<1.0	<0.50	**48**
	CRA-12	07/18/19	SW8260	<0.50	2.4	**5.2**	<0.50	<0.50	18	<1.0	0.66	**47**
	CRA-12	07/27/20	SW8260	<0.50	1.9	4.2	<0.50	<0.50	14	<1.0	0.60	**38**
	CRA-12	07/28/21	SW8260	<0.50	1.2	2.7	<0.50	<0.50	12	<1.0	1.2	**36**
	CRA-12[a]	07/28/21	SW8260	<0.50	1.2	3	<0.50	<0.50	12	<1.0	1.1	**40**
	CRA-12	07/18/22	SW8260	<0.50	1.3	2.1	<0.50	<0.50	8.7	<1.0	1.8	**30**
	CRA-12	08/14/23	SW8260	<0.50	0.85	1.7	<0.50	<0.50	7.5	<1.0	1.5	**25**
	CRA-12	09/19/24	SW8260	<0.50	0.72	1.3	<0.50	<0.50	6.2	<1.0	1.5	**18**
	CRA-12	08/05/25	SW8260	<0.50	0.53	1.1	<0.50	<0.50	4.3	<1.0	1.2	**18**
	CRA-12[a]	08/05/25	SW8260	<0.50	0.53	1.1	<0.50	<0.50	4.5	<1.0	1.3	**18**

Appendix F
Select Historical Groundwater Analytical Results in the Gravel Subunit
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
CRA-15	CRA-15	03/16/07	SW8260	3.2	1.8	**33**	2.3	3.7	48	<1.0	**35**	**5,300**
	CRA-15	07/24/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	<1.0	0.64	**120**
	CRA-15	07/15/15	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	**67**
	CRA-15	07/13/16	SW8260	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	**570**
	CRA-15	08/01/16	SW8260	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	**250**
	CRA-15	07/20/17	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	**620**
	CRA-15	07/20/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.4	<1.0	<0.50	**370**
	CRA-15	07/25/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.7	<1.0	<0.50	**540**
	CRA-15	07/28/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.6	<1.0	<0.50	**420**
	CRA-15[c]	07/29/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	3.0	<1.0	<0.50	**980**
	CRA-15	08/30/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	<1.0	<0.50	**510J**
	CRA-15[a]	08/30/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	<1.0	<0.50	**500J**
	CRA-15	07/21/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.7	<1.0	<0.50	**520**
	CRA-15	08/15/23	SW8260	<0.50	<0.50	1.1	<0.50	<0.50	3.7	<1.0	<0.50	**770**
	CRA-15[a]	08/15/23	SW8260	<0.50	<0.50	1.1	<0.50	<0.50	3.7	<1.0	<0.50	**780**
	CRA-15	09/19/24	SW8260	0.59	<0.50	<0.50	<0.50	0.56	2.3	<1.0	<0.50	**400 J**
	CRA-15	07/29/25	SW8260	<0.50	<0.50	2.1	<0.50	1.5	7.5	<1.0	0.67	**2300 J**
CRA-21D	CRA-21D	02/27/07	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-21D	02/12/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-21D	08/06/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-21D	02/06/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-21D[a]	02/06/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-21D	07/20/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-21D	01/29/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50

Appendix F
Select Historical Groundwater Analytical Results in the Gravel Subunit
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
CRA-21D (cont'd)	CRA-21D	07/15/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-21D	01/16/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-21D	07/12/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-21D	02/19/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-21D	07/11/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-21D	01/17/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-21D	07/11/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-21D	01/23/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-21D	07/29/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-21D[a]	07/29/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-21D	01/20/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-21D	07/08/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-21D	01/11/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-21D	07/06/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-21D	01/10/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-21D	07/27/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-21D	01/10/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-21D[a]	01/10/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-21D	08/15/24	SW8260	<0.50	<0.50	<0.50	<0.50	0.54	<0.50	<1.0	<0.50	<0.50
	CRA-21D	01/14/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-21D	08/18/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
CRA-22D	CRA-22D	03/01/07	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.2
	CRA-22D	02/04/14	SW8260	0.81	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.2
	CRA-22D	07/31/14	SW8260	0.8	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.3

Appendix F
Select Historical Groundwater Analytical Results in the Gravel Subunit
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
CRA-22D (cont'd)	CRA-22D	01/28/15	SW8260	0.85	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.0**
	CRA-22D	07/07/15	SW8260	0.8	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.7
	CRA-22D	01/26/16	SW8260	0.71	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.2**
	CRA-22D	07/19/16	SW8260	1.10	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.6**
	CRA-22D[a]	07/19/16	SW8260	0.94	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.4**
	CRA-22D	01/17/17	SW8260	0.67	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**6.6**
	CRA-22D	07/13/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.7
	CRA-22D	02/13/18	SW8260	0.67	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**6.0**
	CRA-22D	07/10/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.4
	CRA-22D	01/15/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.8**
	CRA-22D	07/09/19	SW8260	0.57	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.3
	CRA-22D	01/22/20	SW8260	0.54	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.7
	CRA-22D	07/16/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.6
	CRA-22D	01/19/21	SW8260	1.54	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.3
	CRA-22D	07/07/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.1
	CRA-22D	01/12/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.0
	CRA-22D	07/05/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.0
	CRA-22D	01/11/23	SW8260	0.54	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.2
	CRA-22D	07/28/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.0
	CRA-22D	01/08/24	SW8260	0.70	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.5
	CRA-22D	08/26/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.8
	CRA-22D	01/13/25	SW8260	<0.50 J	<0.50 J	<0.50 J	<0.50 J	<0.50 J	<0.50 J	<1.0 J	<0.50 J	3.0 J-
	CRA-22D	08/07/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.7

Appendix F
Select Historical Groundwater Analytical Results in the Gravel Subunit
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
CRA-23	CRA-23	03/05/07	SW8260	<0.50	<0.50	<0.50	<0.50	**6.4**	0.80	<1.0	0.77	R
	CRA-23	02/11/14	SW8260	<0.50	<0.50	<0.50	<0.50	1.4	<0.50	<1.0	<0.50	2.3
	CRA-23	08/06/14	SW8260	<0.50	<0.50	<0.50	<0.50	1.6	<0.50	<1.0	<0.50	2.8
	CRA-23	02/11/15	SW8260	<0.50	<0.50	<0.50	<0.50	0.68	<0.50	<1.0	<0.50	3.3
	CRA-23	07/23/15	SW8260	<0.50	<0.50	<0.50	<0.50	1.3	<0.50	<1.0	<0.50	3.4
	CRA-23	01/29/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	2.6
	CRA-23	07/15/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	2.6
	CRA-23	01/16/17	SW8260	<0.50	<0.50	<0.50	<0.50	0.53	<0.50	<1.0	<0.50	2.6
	CRA-23	07/12/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.8
	CRA-23	02/19/18	SW8260	<0.50	<0.50	<0.50	<0.50	0.61	<0.50	<1.0	<0.50	3.6
	CRA-23	07/12/18	SW8260	<0.50	<0.50	<0.50	<0.50	0.64	<0.50	<1.0	<0.50	2.6
	CRA-23	01/17/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.7
	CRA-23	07/10/19	SW8260	<0.50	<0.50	<0.50	<0.50	0.57	<0.50	<1.0	<0.50	3.7
	CRA-23[a]	07/10/19	SW8260	<0.50	<0.50	<0.50	<0.50	0.51	<0.50	<1.0	<0.50	3.8
	CRA-23	01/24/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.1
	CRA-23	07/16/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	2.5
	CRA-23	01/20/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	2.7
	CRA-23	07/12/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.1
	CRA-23	01/11/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.0
	CRA-23	07/06/22	SW8260	<0.50	<0.50	<0.50	<0.50	0.98	<0.50	<1.0	<0.50	3.0
	CRA-23	01/10/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.2
	CRA-23	07/28/23	SW8260	<0.50	<0.50	<0.50	<0.50	0.50	<0.50	<1.0	<0.50	3.1
	CRA-23	01/10/24	SW8260	<0.50	<0.50	<0.50	<0.50	0.78	<0.50	<1.0	<0.50	3.2
	CRA-23	08/14/24	SW8260	<0.50	<0.50	<0.50	<0.50	1.0	<0.50	<1.0	<0.50	2.5
	CRA-23	01/15/25	SW8260	<0.50	<0.50	<0.50	<0.50	1.4	<0.50	<1.0	<0.50	1.9

Appendix F
Select Historical Groundwater Analytical Results in the Gravel Subunit
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
CRA-23 (cont'd)	CRA-23[a]	01/15/25	SW8260	<0.50	<0.50	<0.50	<0.50	1.4	<0.50	<1.0	<0.50	1.9
	CRA-23	08/01/25	SW8260	<0.50	<0.50	<0.50	<0.50	1.8	<0.50	<1.0	<0.50	1.9
CRA-31D	CRA-31D	02/07/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-31D	08/05/14	SW8260	0.79	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.69
	CRA-31D	02/05/15	SW8260	0.57	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.72
	CRA-31D	07/10/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-31D	01/15/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-31D	07/25/16	SW8260	0.52	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-31D	01/27/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-31D	07/25/17	SW8260	0.60	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.55
	CRA-31D	02/20/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-31D	07/26/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-31D[a]	07/26/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-31D	01/29/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-31D	07/24/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-31D	02/01/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-31D	08/03/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-31D	01/26/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-31D	07/16/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0UJ	<0.50	<0.50
	CRA-31D	01/26/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-31D	07/25/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-31D	01/12/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-31D	09/13/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-31D	01/25/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50

Appendix F
Select Historical Groundwater Analytical Results in the Gravel Subunit
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
CRA-31D (cont'd)	CRA-31D	09/04/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-31D	01/15/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-31D	07/14/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
CRA-34D	CRA-34D	02/17/14	SW8260	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	<2.5
	CRA-34D	08/12/14	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0
	CRA-34D	02/05/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.67
	CRA-34D	07/23/15	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0
	CRA-34D	01/20/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.53
	CRA-34D	07/26/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-34D	01/27/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-34D	07/26/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-34D	02/14/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-34D	07/23/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-34D	01/25/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-34D	07/29/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-34D	02/05/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.75
	CRA-34D	08/05/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-34D	01/27/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-34D	07/19/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-34D	01/24/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-34D	07/26/22	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0
	CRA-34D	01/18/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-34D	09/12/23	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0
	CRA-34D	01/25/24	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	**12**

Appendix F
Select Historical Groundwater Analytical Results in the Gravel Subunit
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
CRA-34D (cont'd)	CRA-34D	09/02/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.5
	CRA-34D	01/09/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-34D	07/08/25	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	<5.0
CRA-38D	CRA-38D	02/05/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-38D	07/30/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-38D	01/29/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-38D	07/09/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-38D[a]	07/09/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-38D	01/26/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-38D[a]	01/26/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-38D	07/19/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-38D	01/18/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-38D	07/13/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-38D[a]	07/13/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-38D	02/14/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-38D	07/12/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-38D	01/15/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-38D	07/09/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-38D	01/20/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-38D	07/13/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-38D	01/19/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-38D	07/07/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-38D[a]	07/07/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-38D	01/12/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50

Appendix F
Select Historical Groundwater Analytical Results in the Gravel Subunit
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
CRA-38D (cont'd)	CRA-38D	07/05/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-38D	01/11/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-38D	07/26/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-38D	01/08/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-38D	08/06/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-38D	01/17/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-38D	08/14/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
CRA-39D	CRA-39D	02/05/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-39D	08/14/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-39D	01/29/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-39D	07/09/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-39D	01/26/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-39D	07/19/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-39D	01/18/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-39D	07/13/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-39D	02/13/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-39D	07/12/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-39D[a]	07/12/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-39D	01/15/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-39D	07/09/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-39D	01/21/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-39D	07/16/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-39D	01/19/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-39D	07/07/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50

Appendix F
Select Historical Groundwater Analytical Results in the Gravel Subunit
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
CRA-39D (cont'd)	CRA-39D	01/12/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-39D	07/05/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-39D	01/12/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-39D	07/28/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-39D	01/09/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-39D	08/26/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-39D	01/16/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	CRA-39D	08/18/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
CRA-42	CRA-42	02/11/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	4.4	<1.0	<0.50	**35**
	CRA-42	07/28/14	SW8260	0.76	<0.50	<0.50	<0.50	<0.50	4.2	<1.0	<0.50	**35**
	CRA-42	01/27/15	SW8260	0.74	<0.50	<0.50	<0.50	<0.50	3.8	<1.0	<0.50	**33**
	CRA-42	07/08/15	SW8260	0.7	<0.50	<0.50	<0.50	<0.50	3.3	<1.0	<0.50	**27**
	CRA-42	01/14/16	SW8260	0.74	<0.50	<0.50	<0.50	<0.50	2.7	<1.0	<0.50	**23**
	CRA-42	07/20/16	SW8260	0.80	<0.50	<0.50	<0.50	<0.50	2.9	<1.0	<0.50	**21**
	CRA-42	01/20/17	SW8260	0.80	<0.50	<0.50	<0.50	<0.50	2.4	<1.0	<0.50	**20**
	CRA-42	07/11/17	SW8260	0.52	<0.50	<0.50	<0.50	<0.50	2.0	<1.0	<0.50	**15**
	CRA-42	02/22/18	SW8260	0.84	<0.50	<0.50	<0.50	<0.50	2.4	<1.0	<0.50	**19**
	CRA-42	08/14/18	SW8260	1.0	<0.50	<0.50	<0.50	<0.50	2.2	<1.0	<0.50	**17**
	CRA-42	01/29/19	SW8260	0.65	<0.50	<0.50	<0.50	<0.50	2.0	<1.0	<0.50	**17**
	CRA-42a	01/29/19	SW8260	0.71	<0.50	<0.50	<0.50	<0.50	2.0	<1.0	<0.50	**17**
	CRA-42	07/22/19	SW8260	1.0	<0.50	<0.50	<0.50	<0.50	2.3	<1.0	<0.50	**20**
	CRA-42	07/28/20	SW8260	0.61	<0.50	<0.50	<0.50	<0.50	2.0	<1.0	<0.50	**16**
	CRA-42	07/14/21	SW8260	0.5	<0.50	<0.50	<0.50	<0.50	1.4	<1.0	<0.50	**12**
	CRA-42	07/19/22	SW8260	0.68	<0.50	<0.50	<0.50	<0.50	1.2	<1.0	<0.50	**14**

Appendix F
Select Historical Groundwater Analytical Results in the Gravel Subunit
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
CRA-42D (cont'd)	CRA-42	08/03/23	SW8260	1.5J+	<0.50	<0.50	<0.50	<0.50	1.4J+	<1.0	<0.50	**14J+**
	CRA-42	08/23/24	SW8260	0.88	<0.50	<0.50	<0.50	<0.50	1.0	<1.0	<0.50	**13**
	CRA-42	07/21/25	SW8260	0.75	<0.50	<0.50	<0.50	<0.50	1.8	<1.0	<0.50	**13**
CRA-52D	CRA-52D	02/21/14	SW8260	1.1	<0.50	<0.50	<0.50	0.52	0.94	<1.0	<0.50	**620**
	CRA-52D	08/15/14	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	**690**
	CRA-52D	02/03/15	SW8260	0.77	<0.50	<0.50	<0.50	0.62	1.1	<1.0	<0.50	**600**
	CRA-52D	07/24/15	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	**990**
	CRA-52D	01/22/16	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	**750J**
	CRA-52D	08/01/16	SW8260	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	**820**
	CRA-52D	01/31/17	SW8260	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	**710**
	CRA-52D[a]	01/31/17	SW8260	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	**770**
	CRA-52D	07/27/17	SW8260	0.51	<0.50	<0.50	<0.50	<0.50	1.1	<1.0	<0.50	**750**
	CRA-52D	02/15/18	SW8260	0.51	<0.50	<0.50	<0.50	<0.50	0.73	<1.0	<0.50	**430**
	CRA-52D	07/25/18	SW8260	<0.50	<0.50	<0.50	<0.50	0.53	0.98	<1.0	<0.50	**780**
	CRA-52D	01/30/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.75	<1.0	<0.50	**670J**
	CRA-52D	07/12/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**110**
	CRA-52D	01/27/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.67	<1.0	<0.50	**470**
	CRA-52D	07/20/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.74	<1.0	<0.50	**530**
	CRA-52D	01/22/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.64	<1.0	<0.50	**420**
	CRA-52D	07/13/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**340**
	CRA-52D	01/25/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.59	<1.0	<0.50	**410**
	CRA-52D[a]	01/25/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.55	<1.0	<0.50	**380**
	CRA-52D	07/19/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.54	<1.0	<0.50	**340**
	CRA-52D	01/17/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**230**

Appendix F
Select Historical Groundwater Analytical Results in the Gravel Subunit
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
CRA-52D (cont'd)	CRA-52D	07/21/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**85**
	CRA-52D[a]	07/21/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**86**
	CRA-52D	01/18/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**210**
	CRA-52D	08/30/24	SW8260	<0.50	<0.50	<0.50	<0.50	0.51	0.57	<1.0	<0.50	**440**
	CRA-52D	01/22/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**300**
	CRA-52D	07/01/25	SW8260	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	**460**
	CRA-52D[a]	07/01/25	SW8260	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	**430**
CRA-57D	CRA-57D	08/08/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.7
	CRA-57D	02/06/14	SW8260	1.3	<0.50	0.75	<0.50	<0.50	12	<1.0	<0.50	**40**
	CRA-57D	09/26/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.51	<1.0	<0.50	**24**
	CRA-57D	01/30/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**17**
	CRA-57D	07/10/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**14**
	CRA-57D	01/15/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**22**
	CRA-57D	07/22/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	<1.0	<0.50	**83**
	CRA-57D	10/15/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	<1.0	<0.50	**29**
	CRA-57D[a]	10/15/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**28**
	CRA-57D	01/26/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**32**
	CRA-57D	07/26/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**120**
	CRA-57D	10/09/17	SW8260	0.53	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**51**
	CRA-57D	10/09/17	SW8260	0.52	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**51**
	CRA-57D	11/15/17	SW8260	0.57	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**48**
	CRA-57D[a]	11/15/17	SW8260	0.58	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**48**
	CRA-57D	02/26/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**19**
	CRA-57D	07/25/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**37**

Appendix F
Select Historical Groundwater Analytical Results in the Gravel Subunit
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
CRA-57D (cont'd)	CRA-57D	01/28/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**22**
	CRA-57D	07/29/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**19**
	CRA-57D[a]	07/29/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**19**
	CRA-57D	02/04/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**16**
	CRA-57D	08/04/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**14**
	CRA-57D	01/26/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**13**
	CRA-57D	07/14/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**12**
	CRA-57D	01/26/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**16**
	CRA-57D	07/26/22	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	**10**
	CRA-57D	01/19/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**10**
	CRA-57D	08/02/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**27**
	CRA-57D	01/12/24	SW8260	0.76	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**29**
	CRA-57D	01/10/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.56	<1.0	<0.50	**110**
	CRA-57D	07/22/25	SW8260	<2.5	<2.5	<2.5	2.8	<2.5	<2.5	<5.0	<2.5	**120**
CRA-61D	CRA-61D	02/06/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.7	<1.0	<0.50	**5.5**
	CRA-61D	07/29/14	SW8260	0.55	<0.50	<0.50	<0.50	<0.50	0.82	<1.0	<0.50	**6.0**
	CRA-61D	02/03/15	SW8260	0.51	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**8.4**
	CRA-61D	07/08/15	SW8260	0.65	<0.50	<0.50	<0.50	<0.50	0.58	<1.0	<0.50	**7.6**
	CRA-61D	01/28/16	SW8260	0.62	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**7.4**
	CRA-61D	07/18/16	SW8260	0.99	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**8.3**
	CRA-61D	01/17/17	SW8260	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**8.5**
	CRA-61D	07/14/17	SW8260	0.69	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**6.9**
	CRA-61D	02/13/18	SW8260	1.2	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**7.9**
	CRA-61D	07/13/18	SW8260	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**11**

Appendix F
Select Historical Groundwater Analytical Results in the Gravel Subunit
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
CRA-61D (cont'd)	CRA-61D	01/16/19	SW8260	0.70	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**10**
	CRA-61D	07/08/19	SW8260	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**7.5**
	CRA-61D[a]	07/08/19	SW8260	1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**6.8**
	CRA-61D	01/20/20	SW8260	1.2	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**6.7**
	CRA-61D	07/13/20	SW8260	1.2	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**6.2**
	CRA-61D	01/18/21	SW8260	0.96	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.4**
	CRA-61D	07/06/21	SW8260	0.89	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.2
	CRA-61D	01/10/22	SW8260	0.98	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.9
	CRA-61D	07/04/22	SW8260	0.9	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.5
	CRA-61D	01/09/23	SW8260	0.97	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.5
	CRA-61D	09/14/23	SW8260	0.92	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.4
	CRA-61D	01/08/24	SW8260	1.5	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.9**
	CRA-61D	08/07/24	SW8260	1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**7.6**
	CRA-61D	01/16/25	SW8260	1.7 J+	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**8.4 J+**
	CRA-61D	08/15/25	SW8260	1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**6.8**
CRA-62D	CRA-62D	02/06/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.52	<1.0	<0.50	**11**
	CRA-62D	07/29/14	SW8260	0.53	<0.50	<0.50	<0.50	<0.50	0.52	<1.0	<0.50	**10**
	CRA-62D[a]	07/29/14	SW8260	0.52	<0.50	<0.50	<0.50	<0.50	0.53	<1.0	<0.50	**10**
	CRA-62D	02/03/15	SW8260	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**12**
	CRA-62D	07/08/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**13J**
	CRA-62D[a]	07/08/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**12J**
	CRA-62D	01/28/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**11**
	CRA-62D	07/18/16	SW8260	0.86	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**14**
	CRA-62D	01/17/17	SW8260	0.60	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**12**

Appendix F
Select Historical Groundwater Analytical Results in the Gravel Subunit
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
CRA-62D (cont'd)	CRA-62D	07/14/17	SW8260	0.75	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**12**
	CRA-62D	02/12/18	SW8260	1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**13**
	CRA-62D	07/13/18	SW8260	0.87	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**16**
	CRA-62D	01/16/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**15**
	CRA-62D	07/08/19	SW8260	1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**11**
	CRA-62D[a]	07/08/19	SW8260	1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**11**
	CRA-62D	01/20/20	SW8260	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**11**
	CRA-62D	07/13/20	SW8260	1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**9.1**
	CRA-62D	01/18/21	SW8260	0.89	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**9.7**
	CRA-62D	07/06/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	2.5J
	CRA-62D[a]	07/06/21	SW8260	0.93	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**7.8J**
	CRA-62D	01/10/22	SW8260	0.99	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**8.4**
	CRA-62D	07/04/22	SW8260	0.91	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**8.1**
	CRA-62D[a]	07/04/22	SW8260	1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**8.2**
	CRA-62D	01/09/23	SW8260	0.88	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**6.9**
	CRA-62D	09/14/23	SW8260	0.86	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**6.7**
	CRA-62D	01/09/24	SW8260	1.8	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**12**
	CRA-62D	08/07/24	SW8260	0.89	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**12**
	CRA-62D	01/17/25	SW8260	1.7 J+	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**14 J+**
	CRA-62D	08/15/25	SW8260	1.2	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**11**
CRA-67D	CRA-67D	05/16/16	SW8260	**10**	<0.50	<0.50	<0.50	2.5	1.2	<1.0	<0.50	**46**
	CRA-67D[a]	05/16/16	SW8260	**10**	<0.50	<0.50	<0.50	2.5	1.3	<1.0	<0.50	**45**
	CRA-67D	06/13/16	SW8260	**7.1**	<0.50	<0.50	<0.50	0.84	1.2	<1.0	<0.50	**34**
	CRA-67D	07/25/16	SW8260	**7.9**	<0.50	<0.50	<0.50	1.0	1.2	<1.0	<0.50	**32**

Appendix F
Select Historical Groundwater Analytical Results in the Gravel Subunit
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
CRA-67D (cont'd)	CRA-67D	01/27/17	SW8260	**8.4**	<0.50	<0.50	<0.50	2	0.98	<1.0	<0.50	**47**
	CRA-67D	03/03/17	SW8260	6.8	<0.50	<0.50	<0.50	1.6	0.99	<1.0	<0.50	**41**
	CRA-67D[a]	03/03/17	SW8260	6.6	<0.50	<0.50	<0.50	1.6	0.96	<1.0	<0.50	**41**
	CRA-67D	07/25/17	SW8260	5.7	<0.50	<0.50	<0.50	0.98	1.1	<1.0	<0.50	**33**
	CRA-67D	11/15/17	SW8260	**7.2**	<0.50	<0.50	<0.50	1.7	0.98	<1.0	<0.50	**40**
	CRA-67D	02/22/18	SW8260	5.8	<0.50	<0.50	<0.50	1.4	0.74	<1.0	<0.50	**36**
	CRA-67D	07/26/18	SW8260	5.6	<0.50	<0.50	<0.50	1.1	1.0	<1.0	<0.50	**35**
	CRA-67D	01/29/19	SW8260	**7.7**	<0.50	<0.50	<0.50	0.78	0.97	<1.0	<0.50	**34**
	CRA-67D	07/24/19	SW8260	**8.3**	<0.50	<0.50	<0.50	1.9	1.2	<1.0	<0.50	**46**
	CRA-67D	02/04/20	SW8260	6.7	<0.50	<0.50	<0.50	0.85	0.73	<1.0	<0.50	**39**
	CRA-67D	08/03/20	SW8260	4.2	<0.50	<0.50	<0.50	1.1	0.64	<1.0	<0.50	**32**
	CRA-67D[a]	08/03/20	SW8260	4.3	<0.50	<0.50	<0.50	1.1	0.65	<1.0	<0.50	**34**
	CRA-67D	01/26/21	SW8260	4.9	<0.50	<0.50	<0.50	1.1	0.666	<1.0	<0.50	**36**
	CRA-67D	07/16/21	SW8260	4.4	<0.50	<0.50	<0.50	0.85	0.5	<1.0UJ	<0.50	**32**
	CRA-67D	01/26/22	SW8260	4.9	<0.50	<0.50	<0.50	0.83	0.56	<1.0	<0.50	**36**
	CRA-67D	07/25/22	SW8260	4	<0.50	<0.50	<0.50	0.75	<0.50	<1.0	<0.50	**35**
	CRA-67D	01/19/23	SW8260	4.7	<0.50	<0.50	<0.50	0.64	<0.50	<1.0	<0.50	**32**
	CRA-67D	09/13/23	SW8260	5.1	<0.50	<0.50	<0.50	0.72	0.90	<1.0	<0.50	**31**
	CRA-67D	01/26/24	SW8260	7.0	<0.50	<0.50	<0.50	0.92	1.1	<1.0	<0.50	**31**
	CRA-67D	09/04/24	SW8260	5.1	<0.50	<0.50	<0.50	0.97	1.0	<1.0	<0.50	**30**
	CRA-67D	01/10/25	SW8260	6.1	<0.50	<0.50	<0.50	0.88	1.1	<1.0	<0.50	**28**
	CRA-67D	07/11/25	SW8260	5.4	<0.50	<0.50	<0.50	0.77	1.0	<1.0	<0.50	**33**
DP-1	DP-1	04/20/07	SW8260	0.55	2.8	**43**	<0.50	2.8	38	<1.0	**15**	**2,700**
	DP-1	02/04/14	SW8260	<5.0	<5.0	**15**	<5.0	<5.0	33	<10	<5.0	**690**

Appendix F
Select Historical Groundwater Analytical Results in the Gravel Subunit
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
DP-1 (cont'd)	DP-1[a]	02/04/14	SW8260	<5.0	<5.0	**15**	<5.0	<5.0	33	<10	<5.0	**730**
	DP-1	08/05/14	SW8260	<5.0	<5.0	**15**	<5.0	<5.0	33	<10	<5.0	**680**
	DP-1	02/03/15	SW8260	<5.0	<5.0	**14**	<5.0	<5.0	30	<10	<5.0	**570**
	DP-1	07/09/15	SW8260	<5.0	<5.0	**14**	<5.0	<5.0	30	<10	<5.0	**650**
	DP-1	11/04/15	SW8260	<0.50	2.0	**15**	<0.50	0.55	32	<1.0	4.3	**560**
	DP-1	01/20/16	SW8260	<5.0	<5.0	**13**	<5.0	<5.0	26	<10	<5.0	**530**
	DP-1	08/02/16	SW8260	<0.50	2.0	**12**	<0.50	<0.50	30	<1.0	3.3	**480**
	DP-1	02/02/17	SW8260	<0.50	<0.50	**5.5**	<0.50	<0.50	32	<1.0	2.9	**590**
	DP-1	08/02/17	SW8260	<0.50	2.0	**11**	<0.50	<0.50	28	<1.0	2.7	**500**
	DP-1	02/01/18	SW8260	<0.50	1.6	**10**	<0.50	<0.50	23	<1.0	2.1	**480**
	DP-1	08/08/18	SW8260	<0.50	1.6	**10**	<0.50	<0.50	24	<1.0	2.0	**450**
	DP-1	11/01/18	SW8260	<0.50	1.9	**9.9**	<0.50	<0.50	25	<1.0	1.9	**460**
	DP-1	02/06/19	SW8260	<0.50	1.6	**9.8**	<0.50	<0.50	23	<1.0	1.9	**470**
	DP-1	05/01/19	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	**420**
	DP-1	08/05/19	SW8260	<0.50	1.7	**10**	<0.50	<0.50	26	<1.0	2.1	**550**
	DP-1	11/05/19	SW8260	<0.50	1.4	**9**	<0.50	<0.50	22	<1.0	1.6	**470**
	DP-1[a]	11/05/19	SW8260	<0.50	1.4	**9.2**	<0.50	<0.50	22	<1.0	1.6	**480**
	DP-1	02/03/20	SW8260	<0.50	1.6	**9.2**	<0.50	<0.50	23	<1.0	1.6	**480**
	DP-1	08/03/20	SW8260	<0.50	1.2	**8.7**	<0.50	<0.50	21	<1.0	1.5	**460**
	DP-1	02/01/21	SW8260	<0.50	1.4	**8.1**	<0.50	<0.50	24	<1.0	1.5	**430**
	DP-1[a]	02/01/21	SW8260	<0.50	1.6	**8.1**	<0.50	<0.50	24	<1.0	1.4	**460**
	DP-1	08/02/21	SW8260	<0.50	0.81	**7.3**	<0.50	<0.50	19	<1.0	1.3	**450**
	DP-1	02/01/22	SW8260	<0.50	1.2	**7.4**	<0.50	<0.50	21	1.6	1.2	**490**
	DP-1[a]	02/01/22	SW8260	<0.50	1.2	**7.4**	<0.50	<0.50	20	<1.0	1.3	**500**
	DP-1	08/01/22	SW8260	<0.50	1.3	**6.3**	<0.50	<0.50	22	<1.0	1.3	**500J**

Appendix F
Select Historical Groundwater Analytical Results in the Gravel Subunit
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
DP-1 (cont'd)	DP-1[a]	08/01/22	SW8260	<0.50	1.3	**6.9**	<0.50	<0.50	22	<1.0	1.4	**260J**
	DP-1	02/01/23	SW8260	<0.50	0.97	**6.0**	<0.50	<0.50	17	<1.0	1.2	**400**
	DP-1	08/06/24	SW8260	<0.50	1.1	**7.6**	<0.50	<0.50	20	<1.0	1.5	**530**
	DP-1	02/10/25	SW8260	<0.50	0.57	5.0	<0.50	<0.50	11	<1.0	2.2	**510**
	DP-1[a]	02/10/25	SW8260	<0.50	0.58	**5.1**	<0.50	<0.50	11	<1.0	2.2	**510**
	DP-1	08/07/25	SW8260	<2.5	<2.5	4.1	<2.5	<2.5	9.0	<5.0	<2.5	**410**
EW-1	EW-1	04/13/07	SW8260	<12	<12	<12	<12	<12	<12	<25	<12	**900**
	EW-1	02/04/14	SW8260	0.58	<0.50	0.72	<0.50	<0.50	6.8	<1.0	<0.50	**110**
	EW-1	05/06/14	SW8260	1.1	<0.50	0.55	<0.50	<0.50	3.7	<1.0	<0.50	**130**
	EW-1	08/05/14	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	**150**
	EW-1	11/04/14	SW8260	1	<0.50	<0.50	<0.50	<0.50	3.8	<1.0	<0.50	**130**
	EW-1	02/03/15	SW8260	0.93	<0.50	0.59	<0.50	<0.50	3.5	<1.0	<0.50	**110**
	EW-1	05/05/15	SW8260	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	**130**
	EW-1	07/09/15	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	**130**
	EW-1[a]	07/09/15	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	**130**
	EW-1	11/04/15	SW8260	0.79	<0.50	0.52	<0.50	<0.50	2.7	<1.0	<0.50	**120**
	EW-1	01/20/16	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	**120**
	EW-1	05/02/16	SW8260	0.92	<0.50	0.55	<0.50	<0.50	3.6	<1.0	<0.50	**110**
	EW-1	08/02/16	SW8260	0.90	<0.50	0.53	<0.50	<0.50	3.2	<1.0	<0.50	**110**
	EW-1[a]	08/02/16	SW8260	0.83	<0.50	0.53	<0.50	<0.50	3.3	<1.0	<0.50	**110**
	EW-1	11/02/16	SW8260	0.66	<0.50	0.63	<0.50	<0.50	3.6	<1.0	<0.50	**110**
	EW-1	02/02/17	SW8260	<0.50	2.0	**5.5**	<0.50	<0.50	35	<1.0	0.67	**89**
	EW-1	05/01/17	SW8260	0.74	<0.50	0.58	<0.50	<0.50	3.2	<1.0	<0.50	**96**
	EW-1	08/02/17	SW8260	0.66	<0.50	<0.50	<0.50	<0.50	3.0	<1.0	<0.50	**100**

Appendix F
Select Historical Groundwater Analytical Results in the Gravel Subunit
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
EW-1 (cont'd)	EW-1	11/02/17	SW8260	<2.5	<2.5	<2.5	<2.5	<2.5	5.5	<5.0	<2.5	**110**
	EW-1[a]	11/02/17	SW8260	<2.5	<2.5	<2.5	<2.5	<2.5	5.7	<5.0	<2.5	**110**
	EW-1	02/01/18	SW8260	0.59	<0.50	0.71	<0.50	<0.50	5	<1.0	<0.50	**92**
	EW-1	05/01/18	SW8260	0.67	<0.50	<0.50	<0.50	<0.50	3.4	<1.0	<0.50	**83**
	EW-1	08/08/18	SW8260	0.73	<0.50	0.52	<0.50	<0.50	3.4	<1.0	<0.50	**88**
	EW-1	11/01/18	SW8260	0.65	<0.50	<0.50	<0.50	<0.50	3.1	<1.0	<0.50	**83**
	EW-1	02/06/19	SW8260	0.70	<0.50	0.54	<0.50	<0.50	3.6	<1.0	<0.50	**89**
	EW-1	05/01/19	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	**87**
	EW-1[a]	05/01/19	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	**86**
	EW-1	08/05/19	SW8260	0.85	<0.50	0.66	<0.50	<0.50	5.2	<1.0	<0.50	**120**
	EW-1	11/05/19	SW8260	0.62	<0.50	0.67	<0.50	<0.50	5.3	<1.0	<0.50	**97**
	EW-1	02/03/20	SW8260	0.60	<0.50	0.7	<0.50	<0.50	5.0	<1.0	<0.50	**92**
	EW-1	08/03/20	SW8260	0.62	<0.50	0.61	<0.50	<0.50	3.9	<1.0	<0.50	**86**
	EW-1	02/03/21	SW8260	0.66	<0.50	0.5	<0.50	<0.50	5.7	<1.0	<0.50	**74**
	EW-1	08/02/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	4.0	<1.0	<0.50	**70**
	EW-1	02/01/22	SW8260	0.58	<0.50	0.83	<0.50	<0.50	6.8	<1.0	<0.50	**82**
	EW-1	08/01/22	SW8260	0.56	<0.50	0.9	<0.50	<0.50	8.3	<1.0	<0.50	**88**
	EW-1	02/01/23	SW8260	0.60	<0.50	0.8	<0.50	<0.50	5.9	<1.0	<0.50	**61**
	EW-1	08/06/24	SW8260	0.90	<0.50	0.59	<0.50	<0.50	3.9	<1.0	<0.50	**100**
	EW-1[a]	08/06/24	SW8260	0.92	<0.50	0.62	<0.50	<0.50	3.9	<1.0	<0.50	**99**
	EW-1	01/27/25	SW8260	0.98	<0.50	0.60	<0.50	<0.50	4.2	<1.0	<0.50	**94**
	EW-1	08/07/25	SW8260	<2.5	<2.5	<2.5	<2.5	<2.5	3.1	<5.0	<2.5	**63**
	EW-1[a]	08/07/25	SW8260	<2.5	<2.5	<2.5	<2.5	<2.5	3.4	<5.0	<2.5	**67**
EW-2	EW-2	11/12/02	SW8260	<2.0	4.4	**20**	**240**	<1.0	**450**	**15**	**15**	**1,500**

Appendix F
Select Historical Groundwater Analytical Results in the Gravel Subunit
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
EW-2R	EW-2R	04/13/07	SW8260	<2.5	**6.8**	**9.2**	**48**	<2.5	56	<5.0	<2.5	**170**
	EW-2R	02/04/14	SW8260	<0.50	2.2	**6.4**	<0.50	<0.50	44	<1.0	0.98	**120**
	EW-2R	05/06/14	SW8260	<0.50	1.8	**5.1**	<0.50	<0.50	34	<1.0	0.68	**100**
	EW-2R	08/05/14	SW8260	<5.0	<5.0	**<5.0**	<5.0	<5.0	28	<10	<5.0	**100**
	EW-2R	11/04/14	SW8260	<0.50	2.1	**6.6**	<0.50	<0.50	43	<1.0	<0.50	**110**
	EW-2R	02/03/15	SW8260	<0.50	1.8	**5.7**	<0.50	<0.50	34	<1.0	0.67	**93**
	EW-2R	05/05/15	SW8260	<2.5	<2.5	**5.5**	<2.5	<2.5	46	<5.0	<2.5	**100**
	EW-2R	07/09/15	SW8260	<5.0	<5.0	**5.6**	<5.0	<5.0	30	<10	<5.0	**96**
	EW-2R	11/04/15	SW8260	<0.50	1.7	**6**	<0.50	<0.50	32	<1.0	0.64	**88**
	EW-2R[a]	11/04/15	SW8260	<0.50	1.6	**5.5**	<0.50	<0.50	29	<1.0	0.58	**87**
	EW-2R	01/20/16	SW8260	<5.0	<5.0	**6**	<5.0	<5.0	31	<10	<5.0	**90**
	EW-2R	05/02/16	SW8260	<0.50	2	**5.2**	<0.50	<0.50	31	<1.0	0.53	**93**
	EW-2R	08/02/16	SW8260	<0.50	1.7	**5.2**	<0.50	<0.50	33	<1.0	0.62	**87**
	EW-2R	11/02/16	SW8260	<0.50	1.5	**4.9**	<0.50	<0.50	28	<1.0	0.56	**87**
	EW-2R	02/02/17	SW8260	0.73	<0.50	**0.65**	<0.50	<0.50	4.3	<1.0	<0.50	**120**
	EW-2R	05/01/17	SW8260	<0.50	1.4	**5.1**	<0.50	<0.50	25	<1.0	0.69	**72**
	EW-2R[a]	05/01/17	SW8260	<2.5	<2.5	4.4	<2.5	<2.5	21	<5.0	<2.5	**69**
	EW-2R	08/02/17	SW8260	<0.50	1.7	4.7	<0.50	<0.50	29	<1.0	0.66	**78**
	EW-2R	11/02/17	SW8260	<2.5	<2.5	4.8	<2.5	<2.5	27	<5.0	<2.5	**65**
	EW-2R	02/01/18	SW8260	<0.50	1.6	**5**	<0.50	<0.50	29	<1.0	0.6	**70**
	EW-2R[a]	02/01/18	SW8260	<0.50	1.6	**5.2**	<0.50	<0.50	29	<1.0	0.58	**69**
	EW-2R	05/01/18	SW8260	<0.50	1.3	4.5	<0.50	<0.50	23	<1.0	0.57	**61**
	EW-2R	08/08/18	SW8260	<0.50	1.4	4.4	<0.50	<0.50	24	<1.0	0.66	**58**
	EW-2R	11/01/18	SW8260	<0.50	1.4	4	<0.50	<0.50	21	<1.0	0.59	**60**

Appendix F
Select Historical Groundwater Analytical Results in the Gravel Subunit
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
EW-2R (cont'd)	EW-2R	02/06/19	SW8260	<0.50	1.5	4.4	<0.50	<0.50	23	<1.0	0.67	**56**
	EW-2R	05/01/19	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	20	<10	<5.0	**57**
	EW-2R	08/05/19	SW8260	<0.50	2	**5.7**	<0.50	<0.50	36	<1.0	0.89	**81**
	EW-2R	11/05/19	SW8260	<0.50	1.6	4.9	<0.50	<0.50	28	<1.0	0.69	**63**
	EW-2R	02/03/20	SW8260	<0.50	1.7	4.4	<0.50	<0.50	25	<1.0	0.81	**57**
	EW-2R	08/03/20	SW8260	<0.50	1.2	4.2	<0.50	<0.50	23	<1.0	0.78	**51**
	EW-2R	02/01/21	SW8260	<0.50	1.6	3.8	<0.50	<0.50	28	<1.0	0.74	**49**
	EW-2R	08/02/21	SW8260	<0.50	0.9	3.5	<0.50	<0.50	22	<1.0	0.8	**50**
	EW-2R	02/01/22	SW8260	<0.50	1.3	3.2	<0.50	0.58	20	1.3	0.9	**45**
	EW-2R	08/01/22	SW8260	<0.50	1.4	3.5	<0.50	<0.50	24	<1.0	0.91	**45**
	EW-2R	02/01/23	SW8260	<0.50	1.1	3.5	<0.50	<0.50	20	<1.0	1.1	**45**
	EW-2R[a]	02/01/23	SW8260	<0.50	1.1	3.3	<0.50	<0.50	19	<1.0	1.0	**44**
	EW-2R	08/06/24	SW8260	<0.50	0.83	3.0	<0.50	<0.50	17	<1.0	1.1	**40**
	EW-2R	01/27/25	SW8260	<0.50	1.0	3.2	<0.50	0.62	19	<1.0	1.2	**41**
	EW-2R	08/07/25	SW8260	<2.5	<2.5	3.4	<2.5	<2.5	23	<5.0	<2.5	**43**
EW-3	EW-3	04/13/07	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	0.95	0.90
	EW-3	02/18/14	SW8260	<0.50	<0.50	<0.50	<0.50	1.5	<0.50	<1.0	0.90	<0.50
	EW-3	07/22/14	SW8260	<0.50	<0.50	<0.50	<0.50	2.1	<0.50	<1.0	1.1	0.53
	EW-3	02/10/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	EW-3[a]	02/10/15	SW8260	<0.50	<0.50	<0.50	<0.50	2.7	<0.50	<1.0	0.70	<0.50
	EW-3	07/13/15	SW8260	<0.50	<0.50	<0.50	<0.50	1.9	<0.50	<1.0	0.94	<0.50
	EW-3	01/18/16	SW8260	<0.50	<0.50	<0.50	<0.50	1.1	<0.50	<1.0	0.72	<0.50
	EW-3	07/14/16	SW8260	<0.50	<0.50	<0.50	<0.50	1.6	<0.50	<1.0	0.94	2.0
	EW-3	01/23/17	SW8260	<0.50	<0.50	<0.50	<0.50	1.4	<0.50	<1.0	0.85	0.51
	EW-3	07/17/17	SW8260	<0.50	<0.50	<0.50	<0.50	2.0	<0.50	<1.0	0.74	<0.50

Appendix F
Select Historical Groundwater Analytical Results in the Gravel Subunit
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
EW-3 (cont'd)	EW-3[a]	07/17/17	SW8260	<0.50	<0.50	<0.50	<0.50	1.8	<0.50	<1.0	0.71	<0.50
	EW-3	02/05/18	SW8260	<0.50	<0.50	<0.50	<0.50	2.5	<0.50	<1.0	0.67	<0.50
	EW-3	07/18/18	SW8260	<0.50	<0.50	<0.50	<0.50	3.0	0.54	<1.0	1.1	0.84
	EW-3	01/22/19	SW8260	<0.50	<0.50	<0.50	<0.50	2.0	<0.50	<1.0	1.0	0.56
	EW-3	07/17/19	SW8260	<0.50	<0.50	<0.50	<0.50	2.0	<0.50	<1.0	0.73	0.52
	EW-3	07/23/20	SW8260	<0.50	<0.50	<0.50	<0.50	**6.0**	0.86	<1.0	0.56	<0.50
	EW-3	07/26/21	SW8260	<0.50	<0.50	<0.50	<0.50	**5.0**	0.65	<1.0	<0.50	<0.50
	EW-3	07/13/22	SW8260	<0.50	<0.50	<0.50	<0.50	**9.4**	1.4	<1.0	<0.50	<0.50
	EW-3	08/11/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.4
	EW-3	09/16/24	SW8260	<0.50	<0.50	<0.50	<0.50	**6.2**	1.1	<1.0	0.74	<0.50
	EW-3	08/13/25	SW8260	<0.50	<0.50	<0.50	<0.50	**6.3**	1.1	<1.0	0.66	0.99
EW-4	EW-4	05/02/07	SW8260	4.6	<0.50	<0.50	<0.50	1.3	5	<1.0	<0.50	**390**
	EW-4	02/04/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.7	<1.0	<0.50	**15**
	EW-4	05/06/14	SW8260	0.55	<0.50	<0.50	<0.50	<0.50	0.77	<1.0	<0.50	**20**
	EW-4	08/05/14	SW8260	0.64	<0.50	<0.50	<0.50	<0.50	0.66	<1.0	<0.50	**22**
	EW-4	11/04/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.56	<1.0	<0.50	**19**
	EW-4	02/03/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.8	<1.0	<0.50	**17**
	EW-4	05/05/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	<1.0	<0.50	**17**
	EW-4	07/09/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.63	<1.0	<0.50	**16**
	EW-4	11/04/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.92	<1.0	<0.50	**18**
	EW-4	01/20/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.64	<1.0	<0.50	**15**
	EW-4[a]	01/20/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.61	<1.0	<0.50	**15**
	EW-4	05/02/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.0	<1.0	<0.50	**17**
	EW-4	08/02/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.77	<1.0	<0.50	**10**

Appendix F
Select Historical Groundwater Analytical Results in the Gravel Subunit
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
EW-4 (cont'd)	EW-4	11/02/16	SW8260	0.51	<0.50	<0.50	<0.50	<0.50	0.72	<1.0	<0.50	**16**
	EW-4	02/02/17	SW8260	0.87	<0.50	<0.50	<0.50	<0.50	0.78	<1.0	<0.50	**17**
	EW-4	05/01/17	SW8260	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	**14**
	EW-4	08/02/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	<1.0	<0.50	**18**
	EW-4	11/02/17	SW8260	0.68	<0.50	<0.50	<0.50	<0.50	0.74	<1.0	<0.50	**14**
	EW-4	02/01/18	SW8260	0.87	<0.50	<0.50	<0.50	<0.50	0.62	<1.0	<0.50	**14**
	EW-4	05/01/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.88	<1.0	<0.50	**10**
	EW-4[a]	05/01/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.91	<1.0	<0.50	**10**
	EW-4	08/08/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.0	<1.0	<0.50	**12**
	EW-4	11/01/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	<1.0	<0.50	**11**
	EW-4	02/06/19	SW8260	0.5	<0.50	<0.50	<0.50	<0.50	0.94	<1.0	<0.50	**11**
	EW-4[a]	02/06/19	SW8260	0.55	<0.50	<0.50	<0.50	<0.50	0.98	<1.0	<0.50	**12**
	EW-4	05/01/19	SW8260	0.62	<0.50	<0.50	<0.50	<0.50	1.0	<1.0	<0.50	**14**
	EW-4	08/05/19	SW8260	0.92	<0.50	<0.50	<0.50	<0.50	1.0	<1.0	<0.50	**17**
	EW-4	11/05/19	SW8260	0.94	<0.50	<0.50	<0.50	<0.50	0.82	<1.0	<0.50	**14**
	EW-4	02/03/20	SW8260	0.9	<0.50	<0.50	<0.50	<0.50	0.9	<1.0	<0.50	**13**
	EW-4	08/03/20	SW8260	0.59	<0.50	<0.50	<0.50	<0.50	1.3	<1.0	<0.50	**11**
	EW-4	02/01/21	SW8260	0.69	<0.50	<0.50	<0.50	<0.50	1.0	<1.0	<0.50	**13**
	EW-4	08/02/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.7	<1.0	<0.50	**11**
	EW-4	02/01/22	SW8260	0.6	<0.50	<0.50	<0.50	<0.50	1.3	1.1	<0.50	**11**
	EW-4	08/01/22	SW8260	0.59	<0.50	<0.50	<0.50	<0.50	1.7	<1.0	<0.50	**11**
	EW-4	02/01/23	SW8260	0.59	<0.50	<0.50	<0.50	<0.50	1.5	<1.0	<0.50	**9.7**
	EW-4	08/06/24	SW8260	<0.50	<0.50	1.1	<0.50	<0.50	18	<1.0	<0.50	**57**
	EW-4	01/27/25	SW8260	<0.50	<0.50	1.4	<0.50	<0.50	16	<1.0	<0.50	**66**
	EW-4	08/07/25	SW8260	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	**5.7**

Appendix F
Select Historical Groundwater Analytical Results in the Gravel Subunit
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
EW-5	EW-5	04/12/07	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	EW-5	02/18/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	EW-5	07/22/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	EW-5	02/10/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	EW-5	07/13/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	EW-5	01/18/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	EW-5	07/11/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	EW-5	01/23/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	EW-5	07/18/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	EW-5	02/06/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	EW-5	07/18/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	EW-5	01/23/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	EW-5	07/18/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	EW-5	07/22/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	EW-5	07/22/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	EW-5	07/12/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	EW-5	08/07/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	EW-5	09/13/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	EW-5	07/30/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.7**
GHD-1D	GHD-1D	08/22/17	SW8260	2.8	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**35**
	GHD-1D	02/15/18	SW8260	2.7	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**130**
	GHD-1D[a]	02/15/18	SW8260	2.7	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**120**
	GHD-1D	03/06/18	SW8260	3.0J	<0.50	<0.50	<0.50	0.50J	<0.50	<1.0	<0.50	**180J**

Appendix F
Select Historical Groundwater Analytical Results in the Gravel Subunit
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
GHD-1D (cont'd)	GHD-1D	03/20/18	SW8260	2.9	<0.50	<0.50	<0.50	0.50	<0.50	<1.0	<0.50	**170**
	GHD-1D	08/13/18	SW8260	3.7	<0.50	<0.50	<0.50	0.52	<0.50	<1.0	<0.50	**140**
	GHD-1D	01/31/19	SW8260	2.3	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**160**
	GHD-1D	07/26/19	SW8260	3.4	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**150**
	GHD-1D	02/03/20	SW8260	1.9	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**100**
	GHD-1D	08/05/20	SW8260	1.4	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**180**
	GHD-1D	01/27/21	SW8260	1.9	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**120**
	GHD-1D	07/15/21	SW8260	1.8	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**96**
	GHD-1D	01/25/22	SW8260	1.7	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**120**
	GHD-1D[a]	01/25/22	SW8260	1.7	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**110**
	GHD-1D	07/22/22	SW8260	1.7	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**110**
	GHD-1D	01/17/23	SW8260	2.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**82**
	GHD-1D	07/25/23	SW8260	1.2	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**54**
	GHD-1D	01/18/24	SW8260	0.88	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**210**
MWR-1	MWR-1	02/27/07	SW8260	<0.50	<0.50	<0.50	<0.50	1.3	<0.50	<1.0	<0.50	1.4
	MWR-1	02/11/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**7.6**
	MWR-1	08/05/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**12**
	MWR-1	02/11/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.57	<1.0	<0.50	**14**
	MWR-1	07/23/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.69	<1.0	<0.50	**15**
	MWR-1	01/29/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.61	<1.0	<0.50	**15**
	MWR-1[a]	01/29/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.57	<1.0	<0.50	**14**
	MWR-1	07/15/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	<1.0	<0.50	**12**
	MWR-1	01/16/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.55	<1.0	<0.50	**13**
	MWR-1	01/16/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.55	<1.0	<0.50	**14**

Appendix F
Select Historical Groundwater Analytical Results in the Gravel Subunit
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
MWR-1 (cont'd)	MWR-1	07/12/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**6.6**
	MWR-1	02/20/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.6**
	MWR-1	07/12/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.1
	MWR-1	01/17/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	2.9
	MWR-1	07/10/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.5**
	MWR-1	01/23/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.7**
	MWR-1	07/20/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.2
	MWR-1	01/20/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.2
	MWR-1	07/12/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	2.0
	MWR-1[a]	07/12/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	2.1
	MWR-1	01/11/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.54	<1.0	<0.50	0.67
	MWR-1	07/07/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.69
	MWR-1	01/10/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.2
	MWR-1	07/28/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.70
	MWR-1	01/10/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.2
	MWR-1	08/15/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.50	<1.0	<0.50	0.67
	MWR-1[a]	08/15/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.61
	MWR-1	01/15/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	MWR-1	07/31/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.4
MWS-1	MWS-1	02/26/07	SW8260	0.53	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	MWS-1	02/19/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	MWS-1	07/25/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	MWS-1	01/28/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	MWS-1	07/17/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50

Appendix F
Select Historical Groundwater Analytical Results in the Gravel Subunit
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
MWS-1 (cont'd)	MWS-1	01/13/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	MWS-1	07/20/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	MWS-1	01/25/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	MWS-1	07/24/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	MWS-1	02/08/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	MWS-1[a]	02/08/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	MWS-1	01/19/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
S-2	S-2	03/12/07	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.79	<1.0	<0.50	**5.7**
	S-2	02/17/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.1
	S-2	08/13/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	2.3
	S-2	02/10/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	2.5
	S-2	07/21/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	2.2
	S-2	01/19/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.64
	S-2	07/27/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.99
	S-2	01/30/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.61
	S-2	07/27/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.3
	S-2	02/26/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.3
	S-2	08/14/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.7
	S-2	01/25/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.60
	S-2	07/12/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-2	01/28/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.56
	S-2	07/20/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.0
	S-2	01/22/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	S-2	07/19/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50

Appendix F
Select Historical Groundwater Analytical Results in the Gravel Subunit
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
S-2 (cont'd)	S-2	01/21/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	1.0	3.1
	S-2	07/14/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	0.93	2.2
	S-2	01/23/23	SW8260	<0.50J	<0.50J	<0.50J	<0.50J	<0.50J	<0.50J	<1.0J	<0.50J	0.96J
	S-2	07/21/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.64
	S-2	01/16/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	0.55	1.5
	S-2	09/03/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	1.9	3.1
	S-2	01/08/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	0.79	2.0
	S-2	07/24/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.87
S-16B	S-16B	03/14/07	SW8260	2.0	2.5	**45**	<0.50	1.5	63	<1.0	**100**	**660**
	S-16B	02/21/14	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	6.7	<10	<5.0	**270**
	S-16B	08/14/14	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	7.2	<10	<5.0	**300**
	S-16B[a]	08/14/14	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	7.5	<10	<5.0	**300**
	S-16B	02/10/15	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	6.9	<10	<5.0	**270**
	S-16B	07/24/15	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	7.4	<10	<5.0	**310**
	S-16B	01/22/16	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<10	<5.0	**240**
	S-16B	07/29/16	SW8260	<2.5	<2.5	<2.5	<2.5	<2.5	4.7	<5.0	<2.5	**250**
	S-16B	01/31/17	SW8260	<2.5	<2.5	<2.5	<2.5	<2.5	5.7	<5.0	<2.5	**240**
	S-16B	07/28/17	SW8260	<0.50	<0.50	1.4	<0.50	<0.50	3.7	<1.0	0.71	**180**
	S-16B	02/20/18	SW8260	<0.50	<0.50	1.9	<0.50	<0.50	4.3	<1.0	0.88	**170**
	S-16B	08/13/18	SW8260	<0.50	<0.50	1.4	<0.50	<0.50	3.5	<1.0	0.62	**150**
	S-16B	01/31/19	SW8260	<0.50	<0.50	0.92	<0.50	<0.50	2.9	<1.0	<0.50	**140**
	S-16B	07/26/19	SW8260	<0.50	<0.50	0.79	<0.50	<0.50	2.1	<1.0	<0.50	**120**
	S-16B	01/28/20	SW8260	<0.50	<0.50	0.96	<0.50	<0.50	2.2	<1.0	0.54	**99**
	S-16B[a]	01/28/20	SW8260	<0.50	<0.50	0.95	<0.50	<0.50	2.2	<1.0	0.55	**99**

Appendix F
Select Historical Groundwater Analytical Results in the Gravel Subunit
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
S-16B (cont'd)	S-16B	08/03/20	SW8260	<0.50	<0.50	0.78	<0.50	<0.50	1.8	<1.0	<0.50	**83**
	S-16B	01/22/21	SW8260	<0.50	<0.50	0.64	<0.50	<0.50	2.2	<1.0	<0.50	**84**
	S-16B	07/16/21	SW8260	<0.50	<0.50	0.74	<0.50	<0.50	1.9	<1.0	<0.50	**74**
	S-16B	01/25/22	SW8260	<0.50	<0.50	0.54	<0.50	<0.50	1.3	<1.0	<0.50	**71**
	S-16B	07/25/22	SW8260	<0.50	<0.50	0.6	<0.50	<0.50	1.7	<1.0	<0.50	**72**
	S-16B[a]	07/25/22	SW8260	<0.50	<0.50	0.56	<0.50	<0.50	1.6	<1.0	<0.50	**72**
	S-16B	01/19/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	<1.0	<0.50	**47**
	S-16B	07/20/23	SW8260	<0.50	<0.50	1.2	<0.50	<0.50	2.6	<1.0	<0.50	**78**
	S-16B	01/11/24	SW8260	<0.50	1.7	**14**	<0.50	<0.50	43	<1.0	1.2	**190**
	S-16B[a]	01/11/24	SW8260	<0.50	1.8	**14**	<0.50	<0.50	43	<1.0	1.3	**190**
	S-16B	09/02/24	SW8260	<0.50	<0.50	**3.0**	<0.50	<0.50	8.8	<1.0	0.58	**200**
	S-16B	01/07/25	SW8260	<0.50	2.0	**14**	<0.50	<0.50	46	<1.0	1.1	**350 J**
	S-16B	07/02/25	SW8260	0.88	1.1	**8.2**	<0.50	<0.50	24	<1.0	0.86	**260**
S-21B	S-21B	03/09/07	SW8260	5.4	<0.50	0.52	<0.50	1.3	6.9	<1.0	0.65	**370**
	S-21B	02/20/14	SW8260	0.75	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**17**
	S-21B	07/29/14	SW8260	0.7	<0.50	<0.50	<0.50	<0.50	0.83	<1.0	<0.50	**24**
	S-21B	01/27/15	SW8260	0.57	<0.50	<0.50	<0.50	<0.50	1.9	<1.0	<0.50	**43**
	S-21B	07/09/15	SW8260	0.55J	<0.50UJ	<0.50UJ	<0.50UJ	<0.50UJ	1.3J	<1.0UJ	<0.50UJ	**30J**
	S-21B	01/14/16	SW8260	0.51	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**14**
	S-21B	07/26/16	SW8260	0.51	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**13**
	S-21B[a]	07/26/16	SW8260	0.52	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**14**
	S-21B	01/27/17	SW8260	0.92	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**14**
	S-21B	07/21/17	SW8260	0.58	<0.50	<0.50	<0.50	<0.50	3.5	<1.0	<0.50	**56**
	S-21B	02/21/18	SW8260	0.98	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**11**
	S-21B	08/14/18	SW8260	0.61	<0.50	<0.50	<0.50	<0.50	4.0	<1.0	<0.50	**49**

Appendix F
Select Historical Groundwater Analytical Results in the Gravel Subunit
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
S-21B (cont'd)	S-21B	01/24/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.60	<1.0	<0.50	**20**
	S-21B	07/29/19	SW8260	1.2	<0.50	<0.50	<0.50	<0.50	0.74	<1.0	<0.50	**19**
	S-21B	08/05/20	SW8260	0.76	<0.50	<0.50	<0.50	<0.50	0.84	<1.0	<0.50	**14**
	S-21B	07/19/21	SW8260	0.5	<0.50	<0.50	<0.50	<0.50	0.56	<1.0	<0.50	**9.6**
	S-21B	07/20/22	SW8260	0.69	<0.50	<0.50	<0.50	<0.50	0.67	<1.0	<0.50	**11**
	S-21B	07/19/23	SW8260	<0.50	<0.50	1.1	<0.50	<0.50	19	<1.0	<0.50	**21**
	S-21B	08/12/24	SW8260	<0.50	<0.50	0.76	<0.50	<0.50	11	<1.0	<0.50	**66**
	S-21B	07/17/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	<1.0	<0.50	**10**
	S-21B[a]	07/17/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	<1.0	<0.50	**10**
S-29	S-29	03/14/07	SW8260	<0.50	2.6	**6.1**	**9.9**	<0.50	28	1.1	<0.50	**140**
	S-29	02/21/14	SW8260	<0.50	<0.50	1.0	<0.50	<0.50	4.7	<1.0	<0.50	**15**
	S-29	08/13/14	SW8260	<0.50	<0.50	0.76	<0.50	<0.50	3.6	<1.0	<0.50	**12**
	S-29	02/11/15	SW8260	<0.50	<0.50	0.83	<0.50	<0.50	3.5	<1.0	<0.50	**12**
	S-29	07/23/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	2.0	<1.0	<0.50	**8.1**
	S-29	01/22/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	2.5	<1.0	<0.50	**9.2**
	S-29	07/27/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	2.0	<1.0	<0.50	**7.3**
	S-29	01/31/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.7	<1.0	<0.50	**7.0**
	S-29	07/28/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.9	<1.0	0.50	**6.8**
	S-29	02/14/18	SW8260	<0.50	<0.50	0.87	<0.50	0.65	3.8	<1.0	0.63	**12**
	S-29	07/23/18	SW8260	<0.50	<0.50	<0.50	<0.50	0.59	2.0	<1.0	0.57	**6.8**
	S-29[a]	07/23/18	SW8260	<0.50	<0.50	<0.50	<0.50	0.64	2.2	<1.0	0.61	**7.4**
	S-29	01/24/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	2.2	<1.0	0.61	**7.4**
	S-29	07/12/19	SW8260	<0.50	<0.50	<0.50	<0.50	0.60	2.4	<1.0	0.73	**8.2**
	S-29	01/27/20	SW8260	<0.50	<0.50	0.61	<0.50	<0.50	2.6	<1.0	0.92	**9.0**

Appendix F
Select Historical Groundwater Analytical Results in the Gravel Subunit
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
S-29 (cont'd)	S-29	07/20/20	SW8260	<0.50	<0.50	<0.50	<0.50	0.73	1.6	<1.0	0.74	**5.4**
	S-29	01/22/21	SW8260	<0.50	<0.50	<0.50	<0.50	1.2	1.7	<1.0	0.74	**5.4**
	S-29	07/19/21	SW8260	<0.50	<0.50	<0.50	<0.50	1.1	1.4	<1.0	0.73	4.9
	S-29	01/21/22	SW8260	<0.50	<0.50	0.52	<0.50	1.0	2.8	<1.0	0.62	**8.2**
	S-29	07/14/22	SW8260	<0.50	<0.50	0.57	<0.50	0.65	3.3	<1.0	0.93	**12**
	S-29	01/23/23	SW8260	<0.50J	<0.50J	<0.50J	<0.50J	0.80J	2.3J	<1.0J	1.1J	**8.2J**
	S-29[a]	01/23/23	SW8260	<0.50J	<0.50J	0.53J	<0.50J	0.76J	2.5J	<1.0J	1.2J	**9.0J**
	S-29	07/24/23	SW8260	<0.50	<0.50	<0.50	<0.50	0.84	1.6	<1.0	1.0	**6.2**
	S-29	01/17/24	SW8260	<0.50	<0.50	0.53	<0.50	0.77	2.6	<1.0	1.0	**8.9**
	S-29	09/03/24	SW8260	<0.50	<0.50	0.50	<0.50	1.1	2.4	<1.0	1.5	**9.7**
	S-29[a]	09/03/24	SW8260	<0.50	<0.50	0.51	<0.50	1.1	2.5	<1.0	1.5	**9.8**
	S-29	01/08/25	SW8260	<0.50	<0.50	<0.50	<0.50	1.2	2.6	<1.0	0.94	**8.3**
	S-29	07/07/25	SW8260	<0.50	<0.50	<0.50	<0.50	2.5	2.3	<1.0	1.1	**7.0**
S-37	S-37	03/13/07	SW8260	0.53	<0.50	1.2	<0.50	0.59	4.0	<1.0	0.56	**480**
	S-37	02/20/14	SW8260	0.64	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**6.3**
	S-37	07/29/14	SW8260	0.64	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**7.7**
	S-37	01/27/15	SW8260	0.55	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**9.9**
	S-37[a]	01/27/15	SW8260	0.55	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**9.9**
	S-37	07/08/15	SW8260	0.55J	<0.50UJ	<0.50UJ	<0.50UJ	<0.50UJ	<0.50UJ	<1.0UJ	<0.50UJ	**8.9J**
	S-37	01/13/16	SW8260	0.53	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**8.9**
	S-37[a]	01/13/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**8.3**
	S-37	07/21/16	SW8260	0.60	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**8.9**
	S-37	01/26/17	SW8260	0.92	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**8.2**
	S-37	07/11/17	SW8260	0.60	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**6.7**

Appendix F
Select Historical Groundwater Analytical Results in the Gravel Subunit
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
S-37 (cont'd)	S-37	02/26/18	SW8260	0.96	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**8.0**
	S-37	08/14/18	SW8260	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**9.9**
	S-37	01/30/19	SW8260	0.62	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**10**
	S-37	07/19/19	SW8260	0.99	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**8.8**
	S-37[a]	07/19/19	SW8260	0.99	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**8.8**
	S-37	07/30/20	SW8260	0.87	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**6.3**
	S-37	07/14/21	SW8260	0.62	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.9
	S-37[a]	07/14/21	SW8260	0.79	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.9
	S-37	07/19/22	SW8260	0.76	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.7**
	S-37	07/19/23	SW8260	0.62	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.5**
	S-37	08/12/24	SW8260	0.77	<0.50	<0.50	<0.50	0.55	1.6	<1.0	<0.50	**15**
	S-37	07/17/25	SW8260	0.79	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**9.2**
S-38	S-38	03/15/07	SW8260	3.9	<0.50	1.2	<0.50	0.99	14	<1.0	0.54	**440**
	S-38	02/20/14	SW8260	0.70	<0.50	<0.50	<0.50	<0.50	7.6	<1.0	<0.50	**14**
	S-38[a]	02/20/14	SW8260	0.64	<0.50	<0.50	<0.50	<0.50	7.5	<1.0	<0.50	**14**
	S-38	05/06/14	SW8260	0.64	<0.50	<0.50	<0.50	<0.50	19	<1.0	<0.50	**17**
	S-38[a]	05/06/14	SW8260	0.63	<0.50	<0.50	<0.50	<0.50	19	<1.0	<0.50	**17**
	S-38	08/05/14	SW8260	0.75	<0.50	0.56	<0.50	<0.50	17	<1.0	<0.50	**26**
	S-38	11/04/14	SW8260	0.52	<0.50	<0.50	<0.50	<0.50	15	<1.0	<0.50	**30**
	S-38	02/03/15	SW8260	0.55	<0.50	0.59	<0.50	<0.50	14	<1.0	<0.50	**34**
	S-38	05/05/15	SW8260	0.52	<0.50	0.6	<0.50	<0.50	17	<1.0	<0.50	**38**
	S-38[a]	05/05/15	SW8260	<0.50	<0.50	0.61	<0.50	<0.50	17	<1.0	<0.50	**37**
	S-38	07/09/15	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	11	<10	<5.0	**26**
	S-38	11/04/15	SW8260	<0.50	<0.50	0.63	<0.50	<0.50	12	<1.0	<0.50	**40**

Appendix F
Select Historical Groundwater Analytical Results in the Gravel Subunit
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
S-38 (cont'd)	S-38	01/20/16	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	8.3	<10	<5.0	**20**
	S-38	05/02/16	SW8260	0.55	<0.50	0.61	<0.50	<0.50	15	<1.0	<0.50	**36**
	S-38[a]	05/02/16	SW8260	0.6	<0.50	0.65	<0.50	<0.50	16	<1.0	<0.50	**36**
	S-38	08/02/16	SW8260	<0.50	<0.50	0.55	<0.50	<0.50	13	<1.0	<0.50	**37**
	S-38	11/02/16	SW8260	0.51	<0.50	<0.50	<0.50	<0.50	9.1	<1.0	<0.50	**29**
	S-38	02/02/17	SW8260	0.72	<0.50	0.55	<0.50	<0.50	8.8	<1.0	<0.50	**20**
	S-38	05/01/17	SW8260	0.57	<0.50	0.53	<0.50	<0.50	12	<1.0	<0.50	**26**
	S-38	08/02/17	SW8260	0.62	<0.50	0.60	<0.50	<0.50	16	<1.0	<0.50	**40**
	S-38[a]	08/02/17	SW8260	0.61	<0.50	0.60	<0.50	<0.50	16	<1.0	<0.50	**39**
	S-38	11/02/17	SW8260	0.61	<0.50	<0.50	<0.50	<0.50	8.1	<1.0	<0.50	**15**
	S-38	02/01/18	SW8260	0.74	<0.50	<0.50	<0.50	<0.50	7.0	<1.0	<0.50	**13**
	S-38	05/01/18	SW8260	0.65	<0.50	0.55	<0.50	<0.50	14	<1.0	<0.50	**20**
	S-38	08/08/18	SW8260	0.66	<0.50	0.59	<0.50	<0.50	15	<1.0	<0.50	**34**
	S-38	11/01/18	SW8260	0.58	<0.50	0.57	<0.50	<0.50	15	<1.0	<0.50	**34**
	S-38	02/06/19	SW8260	<0.50	<0.50	0.56	<0.50	<0.50	13	<1.0	<0.50	**26**
	S-38	05/01/19	SW8260	0.57	<0.50	0.58	<0.50	<0.50	13	<1.0	<0.50	**26**
	S-38	08/05/19	SW8260	0.81	<0.50	<0.50	<0.50	<0.50	14	<1.0	<0.50	**28**
	S-38[a]	08/05/19	SW8260	0.92	<0.50	<0.50	<0.50	<0.50	15	<1.0	<0.50	**28**
	S-38	11/05/19	SW8260	0.75	<0.50	<0.50	<0.50	<0.50	9.7	<1.0	<0.50	**16**
	S-38	02/03/20	SW8260	0.77	<0.50	<0.50	<0.50	<0.50	11	<1.0	<0.50	**15**
	S-38[a]	02/03/20	SW8260	0.77	<0.50	<0.50	<0.50	<0.50	11	<1.0	<0.50	**15**
	S-38	08/03/20	SW8260	0.64	<0.50	<0.50	<0.50	<0.50	14	<1.0	<0.50	**14**
	S-38	02/01/21	SW8260	0.72	<0.50	<0.50	<0.50	<0.50	14	<1.0	<0.50	**17**
	S-38	08/02/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	12	<1.0	<0.50	**16**
	S-38	02/01/22	SW8260	0.59	<0.50	<0.50	<0.50	<0.50	14	1.6	<0.50	**14**
	S-38	08/01/22	SW8260	0.54	<0.50	<0.50	<0.50	<0.50	16	<1.0	<0.50	**11**

Appendix F
Select Historical Groundwater Analytical Results in the Gravel Subunit
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
S-38 (cont'd)	S-38	02/01/23	SW8260	0.56	<0.50	<0.50	<0.50	<0.50	15	<1.0	<0.50	**8.5**
	S-38	08/06/24	SW8260	<0.50	<0.50	1.2	<0.50	<0.50	40	<1.0	<0.50	**49**
	S-38	01/27/25	SW8260	<0.50	<0.50	0.97	<0.50	<0.50	33	<1.0	<0.50	**37**
	S-38	8/7/258	SW8260	<2.5	<2.5	<2.5	<2.5	<2.5	16	<5.0	<2.5	**27**
S-39	S-39	03/08/07	SW8260	2.8	<0.50	<0.50	<0.50	0.50	9.8	<1.0	<0.50	**140**
	S-39	02/11/14	SW8260	0.54	<0.50	<0.50	<0.50	<0.50	1.2	<1.0	<0.50	**21**
	S-39	07/28/14	SW8260	0.81	<0.50	<0.50	<0.50	<0.50	1.3	<1.0	<0.50	**18**
	S-39	01/26/15	SW8260	0.88	<0.50	<0.50	<0.50	<0.50	1.2	<1.0	<0.50	**17**
	S-39	07/07/15	SW8260	0.79	<0.50	<0.50	<0.50	<0.50	1.6	<1.0	<0.50	**20**
	S-39[a]	07/07/15	SW8260	0.76	<0.50	<0.50	<0.50	<0.50	1.5	<1.0	<0.50	**19**
	S-39	01/14/16	SW8260	0.74	<0.50	<0.50	<0.50	<0.50	1.5	<1.0	<0.50	**20**
	S-39	07/20/16	SW8260	0.74	<0.50	<0.50	<0.50	<0.50	1.2	<1.0	<0.50	**16**
	S-39	01/20/17	SW8260	0.81	<0.50	<0.50	<0.50	<0.50	0.95	<1.0	<0.50	**15**
	S-39	07/21/17	SW8260	0.63	<0.50	<0.50	<0.50	<0.50	0.84	<1.0	<0.50	**11**
	S-39	02/22/18	SW8260	0.80	<0.50	<0.50	<0.50	<0.50	1.2	<1.0	<0.50	**12**
	S-39	08/14/18	SW8260	1.3	<0.50	<0.50	<0.50	<0.50	0.94	<1.0	<0.50	**12**
	S-39	01/29/19	SW8260	0.73	<0.50	<0.50	<0.50	<0.50	1.0	<1.0	<0.50	**14**
	S-39	07/19/19	SW8260	1.1	<0.50	<0.50	<0.50	<0.50	0.95	<1.0	<0.50	**15**
	S-39[a]	07/19/19	SW8260	1.1	<0.50	<0.50	<0.50	<0.50	0.92	<1.0	<0.50	**15**
	S-39	02/03/20	SW8260	1.2	<0.50	<0.50	<0.50	<0.50	0.86	<1.0	<0.50	**13**
	S-39	07/28/20	SW8260	0.96	<0.50	<0.50	<0.50	<0.50	0.77	<1.0	<0.50	**11**
	S-39	01/25/21	SW8260	0.98	<0.50	<0.50	<0.50	<0.50	0.87	<1.0	<0.50	**11**
	S-39	07/14/21	SW8260	1.0	<0.50	<0.50	<0.50	<0.50	0.72	<1.0	<0.50	**9.5**
	S-39	01/24/22	SW8260	0.87	<0.50	<0.50	<0.50	<0.50	0.64	<1.0	<0.50	**8.1**

Appendix F
Select Historical Groundwater Analytical Results in the Gravel Subunit
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
S-39 (cont'd)	S-39	07/19/22	SW8260	1.2	<0.50	<0.50	<0.50	<0.50	0.78	<1.0	<0.50	**11**
	S-39	01/16/23	SW8260	1.2	<0.50	<0.50	<0.50	<0.50	0.77	<1.0	<0.50	**9.7**
	S-39[a]	01/16/23	SW8260	1.2	<0.50	<0.50	<0.50	<0.50	0.73	<1.0	<0.50	**9.7**
	S-39	07/18/23	SW8260	0.86	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**8.9**
	S-39	01/12/24	SW8260	1.2	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**9.5**
	S-39	08/13/24	SW8260	1.0	<0.50	<0.50	<0.50	<0.50	0.93	<1.0	<0.50	**11**
	S-39	01/21/25	SW8260	1.0	<0.50	<0.50	<0.50	<0.50	1.3	<1.0	<0.50	**12**
	S-39	07/21/25	SW8260	1.0	<0.50	<0.50	<0.50	<0.50	1.8	<1.0	<0.50	**13**
SVE-1D	SVE-1D	03/19/07	SW8260	<120	<120	<120	<120	<120	<120	<250	<120	**15,000**
	SVE-1D	02/18/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.7
	SVE-1D	07/23/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**6.0**
	SVE-1D	02/09/15	SW8260	0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	2.5
	SVE-1D[a]	02/09/15	SW8260	0.57	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	2.6
	SVE-1D	07/14/15	SW8260	0.67	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	2.1
	SVE-1D	01/19/16	SW8260	0.71	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	2.1
	SVE-1D	07/12/16	SW8260	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	2.2
	SVE-1D	01/24/17	SW8260	0.91	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	2.0
	SVE-1D	07/18/17	SW8260	0.77	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.7
	SVE-1D	02/05/18	SW8260	0.76	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.5
	SVE-1D	07/17/18	SW8260	0.74	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.5
	SVE-1D[a]	07/17/18	SW8260	0.74	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.4
	SVE-1D	01/22/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.0
	SVE-1D	07/16/19	SW8260	1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.8
	SVE-1D	07/22/20	SW8260	0.55	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.1

Appendix F
Select Historical Groundwater Analytical Results in the Gravel Subunit
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
SVE-1D (cont'd)	SVE-1D	07/22/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.69
	SVE-1D	07/11/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.63
	SVE-1D	08/08/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.64
	SVE-1D	09/16/24	SW8260	0.98	<0.50	<0.50	<0.50	0.61	<0.50	<1.0	<0.50	2.2
	SVE-1D	08/11/25	SW8260	0.64	<0.50	2.1	<0.50	<0.50	9.5	<1.0	<0.50	**110**
SVE-2D	SVE-2D	03/20/07	SW8260	<0.50	<0.50	2.5	<0.50	2.4	2.1	<1.0	<0.50	**610**
	SVE-2D	07/23/14	SW8260	1.3	<0.50	<0.50	<0.50	0.95	1.2	<1.0	<0.50	**26**
	SVE-2D	07/14/15	SW8260	2.4	<0.50	<0.50	<0.50	1.5	2.0	<1.0	<0.50	**47**
	SVE-2D	07/14/15	SW8260	2.4	<0.50	<0.50	<0.50	1.5	1.9	<1.0	<0.50	**47**
	SVE-2D	07/14/16	SW8260	2.8	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	**58**
	SVE-2D	07/19/17	SW8260	<2.5	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	**44**
	SVE-2D	07/19/18	SW8260	1.9	<0.50	<0.50	<0.50	0.68	1.9	<1.0	<0.50	**39**
	SVE-2D	07/17/19	SW8260	1.3	<0.50	<0.50	<0.50	<0.50	1.6	<1.0	<0.50	**35**
	SVE-2D	07/24/20	SW8260	0.69	<0.50	<0.50	<0.50	<0.50	1.2	<1.0	<0.50	**24**
	SVE-2D	07/27/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**13**
	SVE-2D	07/15/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.53	<1.0	<0.50	**10**
	SVE-2D	08/14/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	SVE-2D	09/11/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**16**
	SVE-2D	08/08/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**8.6**
SVE-3D	SVE-3D	03/20/07	SW8260	<0.50	0.62	**16**	<0.50	1.2	6.8	<1.0	2.2	**540**
	SVE-3D	07/23/14	SW8260	<0.50	<0.50	2.2	<0.50	<0.50	1.7	<1.0	1.1	**19**
	SVE-3D	07/14/15	SW8260	<0.50	<0.50	1.6	<0.50	<0.50	1.2	<1.0	0.85	**14**
	SVE-3D	07/12/16	SW8260	<0.50	<0.50	1.3	<0.50	<0.50	0.97	<1.0	0.65	**9.0**

Appendix F
Select Historical Groundwater Analytical Results in the Gravel Subunit
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
SVE-3D (cont'd)	SVE-3D	07/18/17	SW8260	<0.50	<0.50	0.91	<0.50	<0.50	0.86	<1.0	<0.50	**6.9**
	SVE-3D[a]	07/18/17	SW8260	<0.50	<0.50	0.93	<0.50	<0.50	0.86	<1.0	<0.50	**6.6**
	SVE-3D	07/17/18	SW8260	<0.50	<0.50	0.76	<0.50	<0.50	0.79	<1.0	<0.50	**5.2**
	SVE-3D	07/16/19	SW8260	<0.50	<0.50	0.54	<0.50	<0.50	0.65	<1.0	<0.50	4.4
	SVE-3D	07/22/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.57	<1.0	<0.50	3.1
	SVE-3D	07/23/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	2.4
	SVE-3D[a]	07/23/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	2.4
	SVE-3D	07/11/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.6	<1.0	<0.50	2.4
	SVE-3D	08/11/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.52	<1.0	<0.50	2.0
	SVE-3D	09/17/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.9
	SVE-3D	08/12/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.6
SVE-5D	SVE-5D	03/09/07	SW8260	<0.50	**7.6**	**11**	**6.3**	<0.50	43	<1.0	<0.50	**210**
	SVE-5D	07/23/14	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	13	<10	<5.0	**44**
	SVE-5D[a]	07/23/14	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	14	<10	<5.0	**45**
	SVE-5D	07/14/15	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	16	<10	<5.0	**55**
	SVE-5D[a]	07/14/15	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	16	<10	<5.0	**55**
	SVE-5D	07/14/16	SW8260	<2.5	<2.5	5.0	<2.5	<2.5	15	<5.0	<2.5	**57**
	SVE-5D	07/19/17	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	12	<10	<5.0	**38**
	SVE-5D	07/19/18	SW8260	<0.50	1.5	4.1	<0.50	<0.50	14	<1.0	<0.50	**41**
	SVE-5D	07/25/19	SW8260	<0.50	1.6	3.1	<0.50	<0.50	11	<1.0	0.85	**37**
	SVE-5D	07/27/20	SW8260	<0.50	1.1	2.2	<0.50	<0.50	7.3	<1.0	0.62	**20**
	SVE-5D	07/26/21	SW8260	<0.50	0.93	1.5	<0.50	<0.50	8.5	<1.0	0.89	**18**
	SVE-5D	07/15/22	SW8260	<0.50	0.74	1.4	<0.50	<0.50	6.1	<1.0	1.3	**20**
	SVE-5D	08/14/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**<9.8U**

Appendix F
Select Historical Groundwater Analytical Results in the Gravel Subunit
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
SVE-5D (cont'd)	SVE-5D	09/18/24	SW8260	<0.50	<0.50	0.95	<0.50	<0.50	4.3	<1.0	0.93	**12**
	SVE-5D	08/11/25	SW8260	<0.50	<0.50	0.89	<0.50	<0.50	3.3	<1.0	0.94	**13**
SVE-6D	SVE-6D	03/05/07	SW8260	6.7	1.1	**15**	<0.50	**6.2**	36	<1.0	**6.6**	**8,200**
	SVE-6D[a]	03/05/07	SW8260	6.8	1.1	**15**	<0.50	**6.1**	35	<1.0	**7.1**	**7,500**
	SVE-6D	07/23/14	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	8.7	<10	<5.0	**240**
	SVE-6D[a]	07/23/14	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	9.3	<10	<5.0	**240**
	SVE-6D	07/15/15	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	10	<10	<5.0	**200**
	SVE-6D	07/13/16	SW8260	<2.5	<2.5	2.5	<2.5	<2.5	9.2	<5.0	<2.5	**180**
	SVE-6D	07/19/17	SW8260	<5.0	<5.0	<5.0	<5.0	<5.0	13	<10	<5.0	**150**
	SVE-6D	07/19/18	SW8260	<0.50	<0.50	2.4	<0.50	<0.50	8.4	<1.0	<0.50	**130**
	SVE-6D	07/25/19	SW8260	<0.50	<0.50	2.6	<0.50	<0.50	11	<1.0	<0.50	**140**
	SVE-6D	07/27/20	SW8260	<0.50	<0.50	2.5	<0.50	<0.50	9.8	<1.0	<0.50	**79**
	SVE-6D	07/28/21	SW8260	<0.50	<0.50	2.2	<0.50	<0.50	10	<1.0	<0.50	**79**
	SVE-6D	07/21/22	SW8260	<0.50	0.66	3.7	<0.50	<0.50	19	<1.0	<0.50	**110**
	SVE-6D	08/15/23	SW8260	<0.50	<0.50	2.1	<0.50	<0.50	7.5	<1.0	<0.50	**100**
	SVE-6D	09/19/24	SW8260	<0.50	0.60	3.9	<0.50	<0.50	21	<1.0	0.56	**140 J**
	SVE-6D	08/12/25	SW8260	2.9	<0.50	<0.50	<0.50	1.2	<0.50	<1.0	<0.50	**7.3**
SVE-7D	SVE-7D	03/08/07	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.94	<1.0	<0.50	**29**
	SVE-7D	02/03/12	SW8260	0.86	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	SVE-7D	08/14/12	SW8260	0.89	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	SVE-7D	08/13/13	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.0
	SVE-7D	07/22/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.6
	SVE-7D	07/14/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50

Appendix F
Select Historical Groundwater Analytical Results in the Gravel Subunit
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
SVE-7D (cont'd)	SVE-7D	07/11/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	SVE-7D	07/17/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	SVE-7D	07/17/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	SVE-7D	07/17/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	SVE-7D	07/24/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	SVE-7D	07/14/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	SVE-7D	08/07/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	SVE-7D	09/11/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	SVE-7D	08/11/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.3

Appendix F
Select Historical Groundwater Analytical Results in the Regional Aquifer
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
D-1	D-1	02/27/07	SW8260	0.67	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.7
	D-1	02/17/14	SW8260	1.9	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**18**
	D-1	08/13/14	SW8260	2.1	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**21**
	D-1	02/11/15	SW8260	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**13**
	D-1	07/21/15	SW8260	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**16**
	D-1	01/25/16	SW8260	1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**15**
	D-1	07/26/16	SW8260	1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**14**
	D-1	01/19/17	SW8260	2.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**21**
	D-1	07/27/17	SW8260	2.7	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**30**
	D-1	02/09/18	SW8260	2.9	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**30**
	D-1	07/23/18	SW8260	3.7	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**37**
	D-1	01/28/19	SW8260	3.3	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**29**
	D-1	07/23/19	SW8260	3.8	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**35**
	D-1	01/30/20	SW8260	6.7	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**44**
	D-1	07/17/20	SW8260	**7.0**	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**45**
	D-1	01/22/21	SW8260	6.4	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**44**
	D-1	07/09/21	SW8260	5.8	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**42**
	D-1	01/13/22	SW8260	6.2	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**43**
	D-1[a]	01/13/22	SW8260	5.8	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**40**
	D-1	01/16/23	SW8260	7.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**43**
	D-1	07/24/23	SW8260	4.8	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**37**
	D-1[a]	07/24/23	SW8260	4.6	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**35**
	D-1	01/16/24	SW8260	**8**	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**51**
	D-1	09/02/24	SW8260	5.7	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**48**
	D-1[a]	09/02/24	SW8260	5.7	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**50**

Appendix F
Select Historical Groundwater Analytical Results in the Regional Aquifer
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
D-1 (cont'd)	D-1	01/07/25	SW8260	6.7	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**48**
	D-1	07/24/25	SW8260	**7.7**	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5 J	**54**
D-2	D-2	02/27/07	SW8260	0.93	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**6.6**
	D-2	02/05/14	SW8260	3.8	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**29**
	D-2	07/31/14	SW8260	4.8	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**40**
	D-2	02/05/15	SW8260	2.4	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**23**
	D-2	07/10/15	SW8260	2.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**24**
	D-2	01/25/16	SW8260	1.7	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**23**
	D-2	07/21/16	SW8260	1.8	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**21**
	D-2	01/19/17	SW8260	3.6	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**30**
	D-2	07/26/17	SW8260	3.4	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**31**
	D-2	02/09/18	SW8260	4.6	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**37**
	D-2	07/16/18	SW8260	4.5	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**35**
	D-2	01/28/19	SW8260	5.1	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**39**
	D-2	07/23/19	SW8260	4.8	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**38**
	D-2	01/30/20	SW8260	5.9	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**37**
	D-2	07/29/20	SW8260	6	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**43**
	D-2	01/26/21	SW8260	6.5	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**47**
	D-2	07/08/21	SW8260	5.1	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**37**
	D-2[a]	07/08/21	SW8260	5.5	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**35**
	D-2	01/13/22	SW8260	5.1	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**33**
	D-2	07/07/22	SW8260	5.1	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**34**
	D-2	01/19/23	SW8260	4.9	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**29**
	D-2	07/18/23	SW8260	3.7	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**29**

Appendix F
Select Historical Groundwater Analytical Results in the Regional Aquifer
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
D-2 (cont'd)	D-2	01/25/24	SW8260	**7.2**	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**41**
	D-2	08/29/24	SW8260	**7.2**	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**58**
	D-2	01/22/25	SW8260	**7.6**	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**58**
	D-2	07/22/25	SW8260	**7.3**	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	**55**
	D-2[a]	07/22/25	SW8260	**7.6**	<2.5	<2.5	<2.5	<2.5	<2.5	<5.0	<2.5	**54**
D-3	D-3	03/01/07	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.1
	D-3	02/12/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.1
	D-3	08/07/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.8
	D-3	02/05/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.8
	D-3	07/17/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.0
	D-3	01/25/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.7
	D-3	07/27/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.3
	D-3	01/19/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.1
	D-3	07/28/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.1
	D-3	02/09/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.0**
	D-3	07/16/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.1**
	D-3	01/30/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<4.1
	D-3[a]	01/30/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<4.1
	D-3	07/23/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.7
	D-3	01/23/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.9
	D-3	07/29/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.0
	D-3	01/28/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.4
	D-3	07/09/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.0
	D-3	01/13/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.7

Appendix F
Select Historical Groundwater Analytical Results in the Regional Aquifer
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
D-3 (cont'd)	D-3	07/07/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**6.0**
	D-3	01/16/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.8**
	D-3	07/17/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.6**
	D-3	01/16/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.1**
	D-3	08/15/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.1**
	D-3	01/23/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.8
	D-3[a]	01/23/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.8
	D-3	07/25/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.9
D-4	D-4	03/02/07	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.8
	D-4	02/13/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	2.5
	D-4	08/08/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	2.8
	D-4	02/02/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	2.8
	D-4	07/16/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.0
	D-4	01/25/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.1
	D-4	07/28/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.5
	D-4	01/19/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.6
	D-4	07/11/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	2.8
	D-4	02/09/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.4
	D-4[a]	02/09/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.2
	D-4	07/16/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.7
	D-4	01/31/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<3.7
	D-4	07/23/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.4
	D-4	01/30/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.8
	D-4	07/29/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.2

Appendix F
Select Historical Groundwater Analytical Results in the Regional Aquifer
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
D-4 (cont'd)	D-4	01/27/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.6
	D-4	07/08/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.0
	D-4	01/13/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.2
	D-4	07/08/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.5
	D-4	01/12/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	2.9
	D-4	07/18/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.4
	D-4	01/17/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.3
	D-4	08/14/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.5
	D-4	01/08/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.0
	D-4	07/09/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.5
D-5	D-5	03/01/07	SW8260	0.70	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.0
	D-5	02/06/14	SW8260	0.66	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**10**
	D-5	08/05/14	SW8260	1.2	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**15**
	D-5	01/30/15	SW8260	0.77	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**11**
	D-5[a]	01/30/15	SW8260	0.74	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**11**
	D-5	07/10/15	SW8260	0.62	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**9.7**
	D-5	01/25/16	SW8260	0.56	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**9.3**
	D-5	07/25/16	SW8260	0.61	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**9.2**
	D-5	01/19/17	SW8260	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**14**
	D-5	07/26/17	SW8260	2.1	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**24**
	D-5	11/15/17	SW8260	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**14**
	D-5	02/12/18	SW8260	2.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**21**
	D-5	07/16/18	SW8260	3.4	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**33**
	D-5	01/28/19	SW8260	2.5	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**24**

Appendix F
Select Historical Groundwater Analytical Results in the Regional Aquifer
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
D-5 (cont'd)	D-5	07/23/19	SW8260	2.2	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**23**
	D-5	01/31/20	SW8260	5.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**38**
	D-5	07/29/20	SW8260	4.3	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**42**
	D-5	01/25/21	SW8260	3.9	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**36**
	D-5	07/08/21	SW8260	4.5	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**36**
	D-5	01/13/22	SW8260	5.9	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**44**
	D-5	07/07/22	SW8260	6.2	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**49**
	D-5[a]	07/07/22	SW8260	6.5	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**46**
	D-5	01/19/23	SW8260	**8.5**	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**46J**
	D-5	07/17/23	SW8260	6.9	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**46**
	D-5	01/12/24	SW8260	**8.4**	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**50**
	D-5	08/27/24	SW8260	4.4	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**40**
	D-5[a]	08/27/24	SW8260	4.4	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**39**
	D-5	01/20/25	SW8260	3.3	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**31**
	D-5	07/14/25	SW8260	2.5	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**24**
D-6	D-6	02/27/07	SW8260	0.51	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**6.2**
	D-6	02/07/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**6.7**
	D-6	07/28/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.8**
	D-6	01/26/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.5**
	D-6	07/08/15	SW8260	<0.50UJ	<0.50UJ	<0.50UJ	<0.50UJ	<0.50UJ	<0.50UJ	<1.0UJ	<0.50UJ	4.7J
	D-6	01/25/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.6
	D-6	07/21/16	SW8260	<0.50	<0.50	<0.50	1.7	<0.50	<0.50	<1.0	<0.50	2.7
	D-6	01/19/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**6.2**
	D-6	07/10/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.6

Appendix F
Select Historical Groundwater Analytical Results in the Regional Aquifer
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
D-6 (cont'd)	D-6	02/09/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.7**
	D-6	07/24/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**6.1**
	D-6	01/30/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.5**
	D-6	07/23/19	SW8260	0.66	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**6.8**
	D-6	01/30/20	SW8260	0.82	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**7.0**
	D-6	07/17/20	SW8260	0.87	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**7.8**
	D-6	01/25/21	SW8260	0.99	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**9.0**
	D-6	07/08/21	SW8260	1	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**8.2**
	D-6[a]	07/08/21	SW8260	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**8.2**
	D-6	01/13/22	SW8260	0.99	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**8.1**
	D-6	07/08/22	SW8260	1	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**8.1**
	D-6	01/13/23	SW8260	1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**7.0**
	D-6	07/17/23	SW8260	1	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**7.9**
	D-6	01/12/24	SW8260	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**7.5**
	D-6	08/29/24	SW8260	0.88	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**7.3**
	D-6	01/21/25	SW8260	0.86	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**6.9**
	D-6	07/23/25	SW8260	0.95	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**6.8**
D-7	D-7	03/01/07	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**7.9**
	D-7	02/07/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.9
	D-7	07/28/14	SW8260	0.79	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.7**
	D-7	01/26/15	SW8260	0.76	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**7.0**
	D-7	07/07/15	SW8260	0.61	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**7.0**
	D-7	01/25/16	SW8260	0.56	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**6.5**
	D-7	07/21/16	SW8260	0.87	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**7.2**

Appendix F
Select Historical Groundwater Analytical Results in the Regional Aquifer
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
D-7 (cont'd)	D-7	01/19/17	SW8260	1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**6.7**
	D-7	07/10/17	SW8260	0.66	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.1**
	D-7	02/09/18	SW8260	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**6.7**
	D-7	07/16/18	SW8260	1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**6.8**
	D-7	01/29/19	SW8260	0.75	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**7.9**
	D-7	07/23/19	SW8260	1.2	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**7.8**
	D-7	01/31/20	SW8260	1.3	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**7.1**
	D-7	07/17/20	SW8260	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**6.6**
	D-7	01/25/21	SW8260	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**6.7**
	D-7	07/08/21	SW8260	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.5**
	D-7	01/13/22	SW8260	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**6.4**
	D-7	07/08/22	SW8260	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**7.2**
	D-7	01/13/23	SW8260	1.2	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**6.6**
	D-7	07/19/23	SW8260	0.76	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.4**
	D-7	01/12/24	SW8260	0.91	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.3**
	D-7	08/13/24	SW8260	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**7.2**
	D-7	01/20/25	SW8260	1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**7.4**
	D-7	07/18/25	SW8260	0.89	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**6.4**
D-8	D-8	02/27/07	SW8260	1.7	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**10**
	D-8	02/11/14	SW8260	0.83	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**6.5**
	D-8	07/28/14	SW8260	0.95	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**6.3**
	D-8	01/27/15	SW8260	0.74	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.5**
	D-8	07/07/15	SW8260	0.73	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.7**
	D-8	01/25/16	SW8260	0.65	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.4**

Appendix F
Select Historical Groundwater Analytical Results in the Regional Aquifer
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
D-8 (cont'd)	D-8	07/20/16	SW8260	0.90	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**6.5**
	D-8	01/19/17	SW8260	1.8	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**10**
	D-8	07/11/17	SW8260	0.93	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.9**
	D-8	02/12/18	SW8260	1.9	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**12**
	D-8	07/16/18	SW8260	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**6.7**
	D-8	01/29/19	SW8260	0.77	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**6.9**
	D-8	07/23/19	SW8260	1.4	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**8.7**
	D-8	01/30/20	SW8260	1.8	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**9.5**
	D-8	07/30/20	SW8260	1.5	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**9.2**
	D-8	01/25/21	SW8260	1.7	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**10**
	D-8	07/08/21	SW8260	1.5	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**8.1**
	D-8	01/13/22	SW8260	1.6	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**9.8**
	D-8	07/08/22	SW8260	1.8	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**11**
	D-8	01/13/23	SW8260	1.7	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**9.8**
	D-8	07/18/23	SW8260	1.2	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**8.0**
	D-8	01/25/24	SW8260	1.2	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.9**
	D-8	08/13/24	SW8260	0.98	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.5**
	D-8	01/20/25	SW8260	1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**6.4**
	D-8	07/21/25	SW8260	1.3	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**7.3**
D-9 (RA-1)	D-9	03/01/07	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.6
	D-9	02/13/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.71
	D-9	08/06/14	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.86
	D-9	02/02/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	D-9	07/10/15	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50

Appendix F
Select Historical Groundwater Analytical Results in the Regional Aquifer
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
D-9 (RA-1) (cont'd)	D-9	01/25/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	D-9	07/28/16	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	D-9	01/19/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.89
	D-9	07/21/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.78
	D-9	02/09/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.78
	D-9	07/16/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.0
	D-9	01/25/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	D-9	07/23/19	SW8260	<0.50	<0.50	<0.50	<0.50	**5.7**	<0.50	<1.0	<0.50	1.1
	D-9	01/31/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.99
	D-9	07/30/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.90
	D-9	01/27/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.57
	D-9	01/27/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.57
	D-9	07/09/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.81
	D-9	01/13/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.6
	D-9	07/08/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1
	D-9	01/13/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.9
	D-9[d]	07/18/23	SW8260	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**11**
	D-9	11/21/23	SW8260	2.7	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**23**
	D-9	01/25/24	SW8260	2.9	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**23**
	D-9	08/27/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.4**
	D-9	01/09/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	2.1
	D-9	07/08/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.95
MWR-2	MWR-2	03/02/07	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	2.8
	MWR-2	02/05/14	SW8260	0.7	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.7

Appendix F
Select Historical Groundwater Analytical Results in the Regional Aquifer
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
MWR-2 (cont'd)	MWR-2	07/30/14	SW8260	0.83	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.5
	MWR-2	02/05/15	SW8260	0.87	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.4
	MWR-2	07/07/15	SW8260	0.76	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.1
	MWR-2	07/07/15	SW8260	0.79	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.6
	MWR-2	01/25/16	SW8260	0.84	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.4**
	MWR-2	07/19/16	SW8260	1.3	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.5**
	MWR-2	01/19/17	SW8260	0.98	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**6.8**
	MWR-2	07/13/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.8
	MWR-2	02/12/18	SW8260	0.97	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**6.6**
	MWR-2	07/09/18	SW8260	0.68	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.8**
	MWR-2	01/15/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.3**
	MWR-2	07/23/19	SW8260	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**6.7**
	MWR-2	01/22/20	SW8260	0.82	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.4**
	MWR-2	07/17/20	SW8260	0.6	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.5
	MWR-2	01/19/21	SW8260	0.6	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.0
	MWR-2	07/08/21	SW8260	0.59	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.1
	MWR-2	01/10/22	SW8260	0.57	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.8
	MWR-2	07/07/22	SW8260	0.59	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.1
	MWR-2	01/12/23	SW8260	0.59	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.6
	MWR-2	07/27/23	SW8260	0.71J+	<0.50	<0.50	<0.50	4.3J+	<0.50	<1.0	<0.50	4.7J+
	MWR-2	01/09/24	SW8260	1.1	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.6**
	MWR-2[a]	01/09/24	SW8260	1.0	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.6**
	MWR-2	08/06/24	SW8260	0.55	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.8**
	MWR-2	01/13/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.9
	MWR-2	08/07/25	SW8260	0.59	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.1**

Appendix F
Select Historical Groundwater Analytical Results in the Regional Aquifer
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
LF-3	LF-3	02/22/07	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	LF-3	02/01/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.61
	LF-3	01/14/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.2
	LF-3	07/15/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.3
	LF-3[a]	07/15/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.4
	LF-3	02/01/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.5
	LF-3	01/21/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.3
	LF-3	01/20/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.2
	LF-3	01/20/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.4
	LF-3	01/11/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.4
	LF-3	08/08/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.6
	LF-3	07/16/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.6
LF-4	LF-4	02/22/07	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	LF-4	02/01/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.79
	LF-4	07/24/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.5	<1.0	<0.50	**9.5**
	LF-4	01/14/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.2
	LF-4	07/15/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	2.0
	LF-4	02/20/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.1
	LF-4	01/21/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.64
	LF-4	01/20/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.56
	LF-4	01/20/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.53
	LF-4	01/11/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.50

Appendix F
Select Historical Groundwater Analytical Results in the Regional Aquifer
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
LF-4 (cont'd)	LF-4	08/09/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	0.52
	LF-4	07/15/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
LF-5	LF-5	02/22/07	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	LF-5	02/01/17	SW8260	<0.50	<0.50	<0.50	0.87	<0.50	<0.50	<1.0	<0.50	1.0
	LF-5	07/24/17	SW8260	<0.50	<0.50	<0.50	1.0	<0.50	<0.50	<1.0	<0.50	0.68
	LF-5	01/14/19	SW8260	<0.50	<0.50	<0.50	0.66	<0.50	<0.50	<1.0	<0.50	0.54
	LF-5	07/15/19	SW8260	<0.50	<0.50	<0.50	1.9	<0.50	<0.50	<1.0	<0.50	<0.50
	LF-5	02/20/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.8
	LF-5[a]	02/20/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.7
	LF-5	01/21/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.8
	LF-5	01/20/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.9
	LF-5	01/20/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.2
	LF-5	01/11/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.5
	LF-5	08/08/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	**5.7**
	LF-5	07/15/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	<1.0	<0.50	**9.4**
LF-6	LF-6	02/22/07	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	LF-6	02/01/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.2
	LF-6	01/14/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.6
	LF-6	07/15/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.2
	LF-6	02/20/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.5
	LF-6	01/21/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.5
	LF-6[a]	01/21/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.7
	LF-6	01/20/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.9

Appendix F
Select Historical Groundwater Analytical Results in the Regional Aquifer
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	7.0	5.0	5.0	5.0	5.0	100	5.0	5.0	5.0
LF-6(cont'd)	LF-6	01/20/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.2
	LF-6	01/11/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.0
	LF-6	08/08/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	4.9
	LF-6	07/15/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.8
LF-7	LF-7	02/22/07	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	<0.50
	LF-7	02/01/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.63	<1.0	<0.50	**8.2**
	LF-7[a]	02/01/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.71	<1.0	<0.50	**8.5**
	LF-7	07/24/17	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.9
	LF-7	02/08/18	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.7
	LF-7	01/15/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	3.0
	LF-7	07/15/19	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.2	<1.0	<0.50	**5.8**
	LF-7	02/04/20	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	2.4	<1.0	<0.50	**9.2**
	LF-7	01/21/21	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	5.1	<1.0	<0.50	**21**
	LF-7	02/05/21	SW8261	<0.50	<0.50	<0.50	<0.50	<0.50	5	<1.0	<0.50	**20**
	LF-7	01/20/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	<1.0	<0.50	4.8
	LF-7[a]	01/20/22	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	1.1	<1.0	<0.50	4.8
	LF-7	01/20/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	2.6	<1.0	<0.50	**11**
	LF-7[a]	01/20/23	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	2.5	<1.0	<0.50	**11**
	LF-7	01/11/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	2.7	<1.0	<0.50	**12**
	LF-7	08/08/24	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	0.51	<1.0	<0.50	3.0
	LF-7	07/15/25	SW8260	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<1.0	<0.50	1.4

Appendix F
Select Historical Groundwater Analytical Results in the Regional Aquifer
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well Number	Sample ID	Sample Date	Analytical Method	1,1-DCE	1,2-DCA	1,2-DCP	Benzene	Carbon Tetrachloride	Chloro-form	Methylene Chloride	PCE	TCE
			EPA MCL:	**7.0**	**5.0**	**5.0**	**5.0**	**5.0**	**100**	**5.0**	**5.0**	**5.0**

Notes:

Concentrations in micrograms per liter
1,1-DCE - Dichloroethene
1,2-DCA - 1,2-Dichloroethane
1,2-DCP - 1,2-Dichloropropane
PCE - tetrachloroethene
TCE - trichloroethene
EPA - United States Environmental Protection Agency
MCL - maximum contaminant level
J - Estimated value
< - Compound not detected at or above value listed

R - Rejected
U - The analyte result is non-detect with the associated value being the quantitation limit
UJ - Estimated reporting limit
J+ Estimated concentration, result may be biased high.
Bold values indicate concentration exceeds MCL (U.S. EPA, 1996)
[a] Sample is a blind duplicate of the sample listed immediately above
[b] Sample contained residual flourescein which may have masked the detection limit
[c] CRA-15 re-sampled due to possible data anomaly observed with initial sample collection on 07/29/21
[d] This result is anomalous with respect to historical data; resampling planned.

Appendix G

ROI Technical Memorandum – TI Zone SVE System

Technical Memorandum

October 27, 2025

To	Justin Berkompas, Dan Cusick	**Tel**	+1 480 466 2573
Copy to	Evan Schaff	**Email**	Krystal.Serfine@ghd.com
From	Krystal Serfine	**Ref. No.**	12619196-RPT-5
Subject	ROI Calculations TI Zone Remedy Tucson International Airport Area Superfund Site Airport Property		

Draft

1. Introduction

This Technical Memorandum (Memo) presents the calculations to estimate the effective Radius of Influence (ROI) resulting from the operation of a soil vapor extraction (SVE) system at the Technical Impracticability (TI) Zone at the Tucson International Airport Area Superfund Site (Site). The scope of this Memo is limited to the following:

- Document effects of applied vacuum at four SVE wells in the TI Zone.
- Discuss procedure for ROI calculation.
- Calculate ROI based on the applied vacuum and vapor monitoring data collected from observation wells located near each of the extraction wells.

The remedial activities at the Site are being undertaken pursuant to the Soils Consent Decree and Statement of Work issued by the United States Environmental Protection Agency (EPA).

2. TI Zone SVE Remedy-Performance Standards

The narrative Performance Standard for the SVE Remedy within the TI Zone is to laterally and vertically contain volatile organic compound (VOC) soil vapors in subsurface soils until VOC concentrations are reduced such that ceasing operation of the SVE Remedy will not cause water quality impacts to the Shallow Groundwater Zone (SGZ) outside the TI Zone or to the Regional Aquifer above the Performance Standards.

3. SVE Technology

SVE is an accepted and proven technique for removing VOCs from subsurface soil. The soil contamination present in the TI Zone is primarily trichloroethylene (TCE), with lesser amounts of other VOCs. The removal of the VOCs is based on a vacuum-induced pressure gradient between subsurface soils and above ground extraction equipment, which allows for the removal of contamination through the extraction of soil vapor. Through volatilization and desorption, the contaminants adsorbed to soil particles, dissolved in soil pore water, and present as non-aqueous phase liquid (NAPL) are transferred into the vapor phase for subsequent removal.

Once in the vapor phase, the contaminants are transported primarily by advection in coarse-grained, more permeable soils, and by diffusion in finer-grained soils

4. Treatment System Description

The design for the TI Zone SVE system is presented in the SGZ Remedy and SVE Remedy Final Design Report (CRA, 2004) and consists of four SVE well locations (SVE-1 through SVE-4) within the TI Zone. Each TI Zone SVE well vault contains an upper (designated with a 'U') and lower (designated with an 'L') well pipe, with the upper dual screened well pipe screened within Units 2 and 3, and the lower single well pipe screened within Unit 4. Well construction of the SVE wells is shown in Table 4.1 below. The east-west and north-south geologic cross-sections of the TI Zone are shown in Figures 5.2 and 5.3 of the Thirty-sixth Performance Evaluation Report (PER). Note that SVE-4 functions as a dual-phase extraction well, extracting soil vapor from the upper well pipe and groundwater from the lower well pipe. The locations of the SVE wells are shown on Figure 2.1 of the PER, with SVE-4 shown as DP-1.

Table 4.1 Summary of SVE Well Construction Details

SVE Wells	Depth of Wells (feet)	Screened Interval Below Grade (feet)	Sand Pack (feet)	Well Diameter (inches)	Hydrogeologic Unit
SVE-1U SVE-1L	75 130	40-50/65-75 125-130	35-57/60-117 120-130	4	2/3 4
SVE-2U SVE-2L	75 130	40-50/65-75 125-130	35-57/60-117 120-131	4	2/3 4
SVE-3U SVE-3L	65 120	30-40/55-65 110-120	25-47/50-102 105-132	4	2/3 4
SVE-4U SVE-4L	75 123	35-45/65-75 115-120	30-57/60-107 110-122	4	2/3 4

The upper and lower well pipes at each well vault are connected to separate blowers to adjust the vapor extraction flow from different units. The SVE wells screened in Units 2 and 3 are connected to the treatment system with 6-inch diameter subsurface High-Density Polyethylene (HDPE) conveyance piping. The SVE wells screened in Unit 4 are connected to the treatment system with 2-inch diameter underground HDPE conveyance piping. The conveyance pipeline has been sized to minimize pressure losses and maintain adequate flow velocity. The distance from the SVE wells to the treatment system is minimal and routing of the pipeline is designed to minimize the vacuum loss (Refer to the Final Design Report for specifics of the system design).

The extraction system consists of the SVE wells and subgrade pipelines to the treatment system. The treatment system consists of flow control, a knock-out pot and associated water transfer pumps, an SVE blower, an SVE air-to-air cooler, and vapor phase carbon units.

To evaluate the effectiveness of the SVE Remedy in the TI Zone, Multi Port Soil Gas monitoring wells (MPSG) installed by Daniel B Stephens & Associates between 1993 and 1995 are utilized. A total of seven MPSG observation wells (S-5, S-6, S-10, S-11, S-14, S-16, and S-27) are monitored during system operation at a specified frequency. Each of the observation wells generally consists of a 2-inch PVC well pipe installed in groundwater with five soil vapor monitoring probes (#1 through #5) located at various depths within the wells installed in the borehole annulus. At MPSG wells S-6, S-10, S-11, S-14, and S-16, the lowest probe (#1) is installed in the groundwater sand pack. Details of observation well construction and depths of each of the probes are summarized below.

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Table 4.2 Summary of Observation Well Construction Details

Observation Wells	Depth of Observation Wells (feet) and [depth to water 8/2025]	Observation Well Diameter (inches)	Screened Interval Below Grade (feet)	Probe Identification and [probe depth bgs (feet)]	Type of Probe	Range of Sand Pack Interval (feet below grade)
S-5	103.6 [86.21]	4	88.2-98.2	5 [5] 4 [25.5] 3 [45.5] 2 [65.5] 1 [75.5]	HDPE, 0.25-inch O.D.	NA 22.6-27.2 42.8-47.5 62.8-67.35 72.5-77.8
S-6	100.0 [82.55]	2	87.2-97.2	5 [5] 4 [25.0] 3 [43.0] 2 [60.0] 1 [85.0] [water]	HDPE, 0.25-inch O.D.	NA 22.5-27.7 40.1-46.3 56.7-62.3 81.8-103.0
S-10	103.25 [83.08]	2	88-98	5 [5] 4 [23.0] 3 [36.0] 2 [60.0] 1 [81.0] [water]	HDPE, 0.25-inch O.D.	NA 20.6-25.5 32.9-38.4 57.3-62.5 78.7-103.5
S-11	100.25 [81.12]	2	85-95	5 [5] 4 [23.0] 3 [47.5] 2 [64.0] 1 [82.0] [water]	HDPE, 0.25-inch O.D.	NA 20.6-25.7 45.2-49.7 61.5-66.75 79.6-100.9
S-14	104.7 [87.18]	2	87.2-102.2	5 [5] 4 [28.0] 3 [43.0] 2 [61.0] 1 [77.0] [water]	HDPE, 0.25-inch O.D.	NA 25.3-30.2 40.3-45.6 58.4-63.6 74.0-105.8
S-16	103.45 [89.12]	2	88.2-98.2	5 [5] 4 [23.0] 3 [38.0] 2 [58.0] 1 [80.0] [water]	HDPE, 0.25-inch O.D.	NA 20.4-25.5 35.4-40.3 55.3-60.3 77.5-104.1
S-27	102.1 [83.91]	2	87.1-102.1	5 [5.5] 4 [24.0] 3 [43.0] 2 [60.0] 1 [80.0]	HDPE, 0.25-inch O.D.	NA 21.4-26.5 40.4-44.8 57.6-62.7 77.2-82.7

Notes: O.D.= Outer Diameter; bgs = below ground surface; HDPE = high density polyethylene;
[water] = soil vapor probe is installed in the groundwater sand pack.

Data collected at Probes #1 through #4 are primarily used to estimate ROI and confirm that an adequate containment zone is achieved by the SVE system. Given the proximity of Probe #5 to the surface (i.e., at a 5-foot depth), data collected at this probe were not used to calculate ROI.

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5. Radius of Influence Determination

The TI Zone SVE system effective ROI was determined by using field monitoring data collected on November 4, 2024, and September 19, 2025.

Field monitoring data include measurement of induced vacuum (negative pressure) at the observation wells and measurement of air flow rate generated as a result of the applied vacuum at the SVE wells. Vacuum data collected from observation wells associated with each of the SVE wells were used for the calculation of ROI. Additional observation wells were added beginning with the Eighteenth PER evaluation of the ROI at SVE-1 and SVE-3 to account for variability in the soil conditions and to account for observation wells that are influenced by multiple extraction wells. The observation wells associated with each of the extraction wells are summarized below.

Table 5.1 Observation Wells Associated with Soil Vapor Extraction Wells

Soil Vapor Extraction Wells	Observation Wells
SVE-1U	S-5 S-10 S-14*
SVE-2U	S-6 S-10 S-11 S-14 S-27
SVE-3U	S-5 S-6* S-11
SVE-4U	S-5 S-16
Note: * - observation well addition	

Applied vacuum measurements at the SVE wells were measured by installing dedicated vacuum gauges at each of the SVE wellheads. The vacuum measurements taken at each of the SVE wellheads are shown in attached **Table 1**.

Induced vacuum measurements (expressed as inches of water [in. H_2O]) were collected using a handheld manometer connected to each of the observation well probe fittings. Fittings were inspected at each observation well probe to ensure a good connection between the probe and manometer. The induced vacuum field readings at the observation wells are listed in the attached **Tables 2** through **5**.

The ROI for each of the monitoring events was determined by plotting induced vacuum measurements, or the calculated proportional induced vacuum values for shared observation wells based on distance of observation wells from each SVE well. For observation wells under the influence of multiple SVE wells (S-5, S-6, S-10, S-11, and S-14), a proportion of the total vacuum measurement was used as it related to the distance from the SVE well. Each of the measured induced vacuum, or proportional induced vacuum, at the selected observation wells (as noted above) was plotted on a semi-logarithmic scale versus distance of the observation well from the associated extraction well. The proportional vacuum values from the shared observation wells are summarized in the attached **Tables 2** through **5**.

For each set of data, a best fit line was plotted using a logarithmic regression analysis. The theoretical ROI would occur at the point where the line drawn through the data intersects the horizontal axis at vacuum equal to zero (i.e., absolute pressure equal to atmospheric pressure). However, a conservative ROI for each set of data

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was estimated as a distance at which a vacuum of 0.5 in. H_2O was obtained. This value has been applied to maintain consistency with previous ROI evaluations, it can be effectively measured and is indicative of vapor flow through the formation. The resulting ROI graphs are presented as **Plates 1** through **16**. The estimated ROIs for the four probe depths, based on the data collected for each of the two monitoring events are listed below and shown on the attached **Figures 1** through **4** and **Table 6**.

Table 5.2 Estimated ROI

Extraction Wells	Probe Identification	Average Estimated ROI (feet)
SVE-1U	#1 #2 #3 #4	341 362 131 98
SVE-2U	#1 #2 #3 #4	361 387 340 167
SVE-3U	#1 #2 #3 #4	399 426 378 111
SVE-4U	#1 #2 #3 #4	218 191 153 130
Data Source: Based on extraction and observation well data collected on November 4, 2024 and September 19, 2025		

6. Discussion

Induced vacuum readings measured as zero have not been included in the ROI calculations. Zero readings generally occurred at either Probe #4, at a depth where the lithology is logged as having a high caliche content, or at Probe #1 where the probes are located near or at the SGZ groundwater elevation. As discussed throughout sections 1.3.2, 2.2.6, and 6 of this PER, groundwater levels in the RA have been rising and intermingling with the GSU and SGZ aquifers. Of the seven #1 soil vapor monitoring probes that are measured for the purpose of this ROI calculation, five of the monitoring wells have the #1 Probes installed in the groundwater sand pack interval of the monitoring well. As such, groundwater has the potential to submerge or saturate the Probe #1 observation probes. For example, at observation well S-6 Probe #1 is located at 85 feet below ground surface and the depth to water was measured at 82.42 and 82.55 feet below ground surface in May 2025 and August 2025 respectively, indicating the vapor probe was submerged. Vapor probe maintenance was performed at the following observation well vapor probes in March 2025: S-1 (probes 1 and 2), S-12 (probes 1 and 2), S-16 (probe 1), S-5 (probes 3 and 4), S-10 (probes 1 and 4), S-27 (probes 1 and 4). Maintenance consisted of purging each probe under vacuum and monitoring the relative humidity levels with a hygrometer installed in-line. Purge volumes and relative humidity readings were monitored until RH levels stabilized. Maintenance at the above wells was performed in order to mitigate potential groundwater moisture from impacting the soil vapor air samples collected in May of 2025.

Additionally, in October of 2024, SVE wells 1, 2, 3, and 4 were video logged to inspect the well screen intervals and assess if well redevelopment was necessary. Crystalized calcium deposits were observed throughout the upper SVE screen intervals at each of the four SVE wells. In April 2025, each of the SVE wells were redeveloped utilizing brushing, bailing, and acidization treatment methodologies. The post re-development

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video logs showed successful removal of the build up with the well screens. Comparing the November 2024 implied vacuum readings to those of the September 2025 event indicates that the well redevelopments were effective at improving functionality of the SVE wells. Despite reducing the applied vacuum on the Unit 4 SVE system, the system overall airflow increased, as did the majority of the vacuum readings at the observation probes surrounding the SVE wells.

7. Conclusion

The average estimated ROI exceeds 100 feet from the SVE wells and is consistent with coarse sands, except for the Probe #4 depth associated with SVE-1. The two closest observation wells to SVE-1 (S-5 and S-10) at the Probe #4 depth are installed in caliche at 25.5 and 23 feet bgs respectively. The ROI data indicates that the existing SVE well spacing continues to provide adequate containment of soil vapor at the TI Zone area based on the proportional vacuum readings at observation wells.

Sincerely,

Krystal Serfine
Environmental Engineer

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Tables

Table 1
Applied Vacuum and Air Flow Data at SVE Wells
TI Zone SVE Remedy
TIAA Superfund Site - Airport Property
Tucson, Arizona

Date Measured	Extraction Well	Applied Vacuum (in. Hg)	Applied Vacuum (in. H_2O)	Air Flow Rate from SVE Well (SCFM)
11/04/24	SVE-1	7.8	106.05	59
	SVE-2	7.8	106.05	69
	SVE-3	7.8	106.05	150
	SVE-4	7.8	106.05	20
09/19/25	SVE-1	7.0	95.17	60
	SVE-2	7.0	95.17	89
	SVE-3	7.0	95.17	117
	SVE-4	7.0	95.17	23

Notes:

SVE - soil vapor extraction

TIAA - Tucson International Airport Area

in. Hg - inches of mercury

in. H_2O - inches of water

SCFM - standard cubic feet per minute

Table 2
SVE Vapor Pressure Monitoring Data for SVE-1
TI Zone SVE Remedy
TIAA Superfund Site - Airport Property
Tucson, Arizona

Date Measured	Observation Well	Distance from SVE-1 (feet)	Induced Vacuum Field Reading (in. H_2O)	Proportional Induced Vacuum for ROI Evaluation (in. H_2O)
Probe 1				
11/04/24	S-5	102	8.10	4.17
	S-10	112	2.50	0.81
	S-14	370	2.60	1.28
09/19/25	S-5	102	8.40	4.32
	S-10	112	3.20	1.04
	S-14	370	2.50	1.23
Probe 2				
11/04/24	S-5	102	8.70	4.47
	S-10	112	10.40	3.38
	S-14	370	2.20	1.08
09/19/25	S-5	102	9.20	4.73
	S-10	112	11.00	3.58
	S-14	370	2.50	1.23
Probe 3				
11/04/24	S-5	102	1.20	0.62
	S-10	112	4.30	1.40
	S-14	370	0.00	0.00
09/19/25	S-5	102	3.40	1.75
	S-10	112	5.20	1.69
	S-14	370	0.00	0.00
Probe 4				
11/04/24	S-5	102	0.60	0.31
	S-10	112	0.00	0.00
	S-14	370	0.00	0.00
09/19/25	S-5	102	0.00	0.00
	S-10	112	1.00	0.33
	S-14	370	0.00	0.00

Notes:

SVE - soil vapor extraction

TIAA - Tucson International Airport Area

in. H_2O - inches of water

ROI - Radius of Infuence

Table 3
SVE Vapor Pressure Monitoring Data for SVE-2
TI Zone SVE Remedy
TIAA Superfund Site - Airport Property
Tucson, Arizona

Date	Observation Well	Distance from SVE-2 (feet)	Induced Vacuum Field Reading (in. H_2O)	Proportional Induced Vacuum for ROI Evaluation (in. H_2O)
Probe 1				
11/04/24	S-6	370	1.40	0.77
	S-10	54	2.50	1.69
	S-11	172	0.00	0.00
	S-14	359	2.60	1.32
	S-27	139	5.80	5.80
09/19/25	S-6	370	1.90	1.04
	S-10	54	3.20	2.16
	S-11	172	0.50	0.19
	S-14	359	2.50	1.27
	S-27	139	5.10	5.10
Probe 2				
11/04/24	S-6	370	2.10	1.15
	S-10	54	10.40	7.02
	S-11	172	8.10	3.02
	S-14	359	2.20	1.12
	S-27	139	5.80	5.80
09/19/25	S-6	370	2.50	1.37
	S-10	54	11.00	7.42
	S-11	172	8.00	2.98
	S-14	359	2.50	1.27
	S-27	139	6.00	6.00

Table 3
SVE Vapor Pressure Monitoring Data for SVE-2
TI Zone SVE Remedy
TIAA Superfund Site - Airport Property
Tucson, Arizona

Date	Observation Well	Distance from SVE-2 (feet)	Induced Vacuum Field Reading (in. H_2O)	Proportional Induced Vacuum for ROI Evaluation (in. H_2O)
Probe 3				
11/04/24	S-6	370	1.70	0.93
	S-10	54	4.30	2.90
	S-11	172	7.70	2.87
	S-14	359	0.00	0.00
	S-27	139	6.10	6.10
09/19/25	S-6	370	1.60	0.88
	S-10	54	5.20	3.51
	S-11	172	7.70	2.87
	S-14	359	0.00	0.00
	S-27	139	5.60	5.60
Probe 4				
11/04/24	S-6	370	0.10	0.05
	S-10	54	0.20	0.13
	S-11	172	0.30	0.11
	S-14	359	0.00	0.00
	S-27	139	0.10	0.10
09/19/25	S-6	370	0.00	0.00
	S-10	54	0.00	0.00
	S-11	172	0.50	0.19
	S-14	359	0.00	0.00
	S-27	139	0.00	0.00

Notes:

SVE - soil vapor extraction

TIAA - Tucson International Airport Area

in. H_2O - inches of water

ROI - Radius of Infuence

Table 4
SVE Vapor Pressure Monitoring Data for SVE-3
TI Zone SVE Remedy
TIAA Superfund Site - Airport Property
Tucson, Arizona

Date	Observation Well	Distance from SVE-3 (feet)	Induced Vacuum Field Reading (in. H_2O)	Proportional Induced Vacuum for ROI Evaluation (in. H_2O)
Probe 1				
11/04/24	S-5	148	8.10	2.39
	S-11	102	0.00	0.00
	S-6	448	1.40	0.63
09/19/25	S-5	148	8.40	2.48
	S-11	102	0.50	0.31
	S-6	448	1.90	0.86
Probe 2				
11/04/24	S-5	148	8.70	2.57
	S-11	102	8.10	5.08
	S-6	448	2.10	0.95
09/19/25	S-5	148	9.20	2.72
	S-11	102	8.00	5.02
	S-6	448	2.50	1.13
Probe 3				
11/04/24	S-5	148	1.20	0.35
	S-11	102	7.70	4.83
	S-6	448	1.70	0.77
09/19/25	S-5	148	3.40	1.00
	S-11	102	7.70	4.83
	S-6	448	1.60	0.72
Probe 4				
11/04/24	S-5	148	0.60	0.18
	S-11	102	0.50	0.31
	S-6	448	0.00	0.00
09/19/25	S-5	148	0.00	0.00
	S-11	102	0.00	0.00
	S-6	448	0.00	0.00

Notes:

SVE - soil vapor extraction

TIAA - Tucson International Airport Area

in. H_2O - inches of water

ROI - Radius of Infuence

Table 5
SVE Vapor Pressure Monitoring Data for SVE-4
TI Zone SVE Remedy
TIAA Superfund Site - Airport Property
Tucson, Arizona

Date	Observation Well	Distance from SVE-4 (feet)	Induced Vacuum Field Reading (in. H_2O)	Proportional Induced Vacuum for ROI Evaluation (in. H_2O)
Probe 1				
11/04/24	S-5	170	8.10	1.54
	S-16	73	0.00	0.00
09/19/25	S-5	170	8.40	1.60
	S-16	73	0.00	0.00
Probe 2				
11/04/24	S-5	170	8.70	1.66
	S-16	73	2.60	2.60
09/19/25	S-5	170	9.20	1.75
	S-16	73	3.40	3.40
Probe 3				
11/04/24	S-5	170	1.20	0.23
	S-16	73	3.10	3.10
09/19/25	S-5	170	3.40	0.65
	S-16	73	3.50	3.50
Probe 4				
11/04/24	S-5	170	0.60	0.11
	S-16	73	3.90	3.90
09/19/25	S-5	170	0.00	0.00
	S-16	73	4.90	4.90

Notes:

SVE - soil vapor extraction

TIAA - Tucson International Airport Area

in. H_2O - inches of water

ROI - Radius of Infuence

Table 6
Radius of Influence Summary [1]
TI Zone SVE Remedy
TIAA Superfund Site - Airport Property
Tucson, Arizona

Extraction Well	Observation Well	Probes	Date 11/04/24	Date 09/19/25	Average ROI[1]	Previous Average ROI[2]	Historical Average ROI[3]
SVE-1	S-5, S-10, and S-14	Probe 1	340	342	341	312	300
		Probe 2	356	368	362	345	353
		Probe 3	121	140	131	133	195
		Probe 4	92	103	98	87	136
SVE-2	S-6, S-10, S-11, S-14, and S-27	Probe 1	382	339	361	330	317
		Probe 2	381	392	387	367	379
		Probe 3	341	339	340	325	306
		Probe 4	189	144	167	168	189
SVE-3	S-5, S-6, and S-11	Probe 1	419	378	399	289	280
		Probe 2	420	432	426	410	420
		Probe 3	370	385	378	364	354
		Probe 4	111		111	195	210
SVE-4	S-5 and S-16	Probe 1	216	219	218	184	177
		Probe 2	188	194	191	188	191
		Probe 3	141	165	153	156	145
		Probe 4	131	129	130	131	116

Notes:

TIAA - Tucson International Airport Area

ROI - Radius of Influence

All ROI measurements are in feet

SVE - soil vapor extraction

[1] ROI is based on soil vapor pressure monitoring data collected at observation wells located closest to each of the SVE wells. Proportional vacuum values were used for shared observation wells.

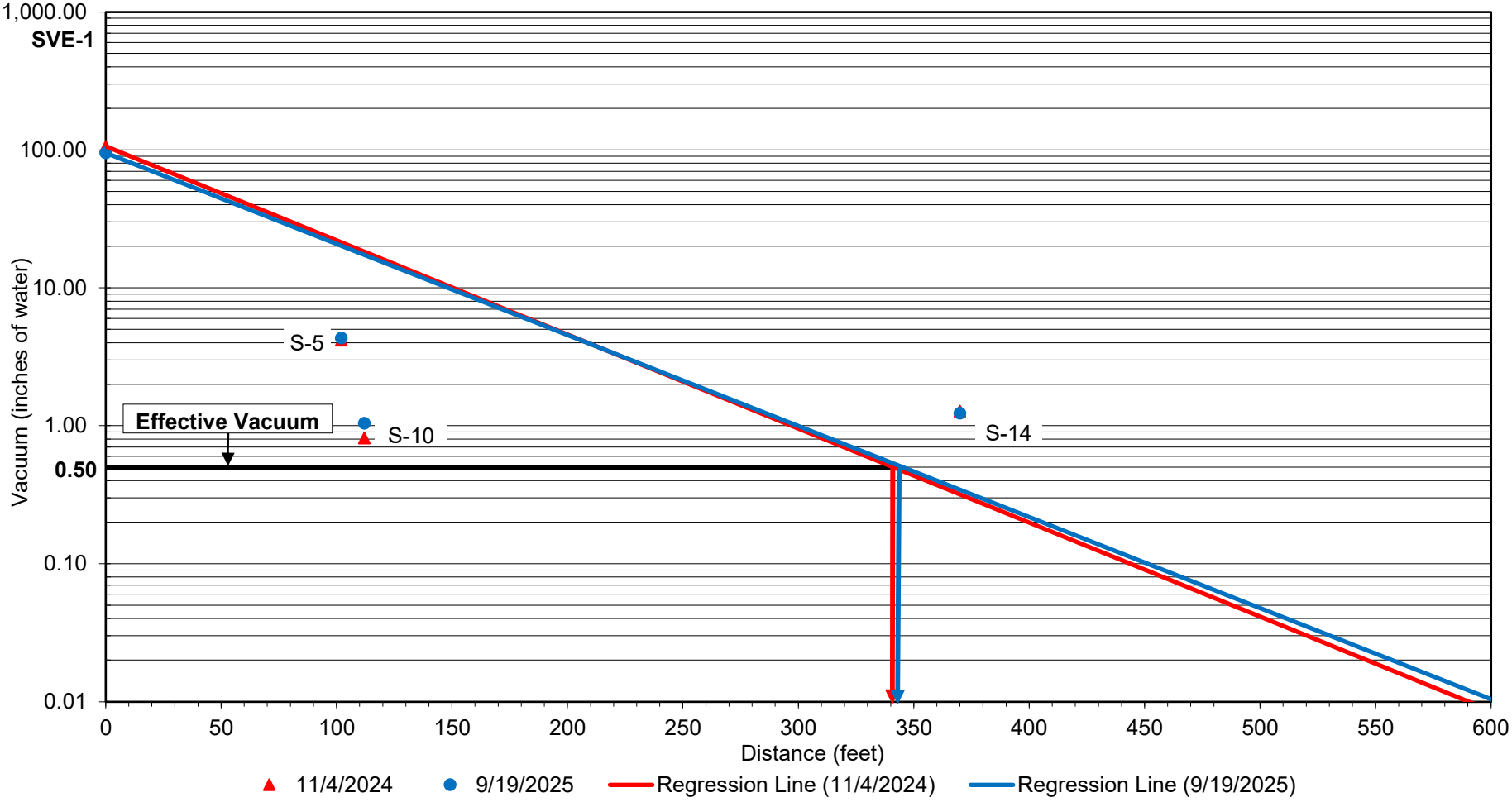
[2] Reported in the 32nd Performance Evaluation Report (PER), 2023.

[3] The historical average ROI range is from the 18th PER through 32nd PER.

Plates

Plate 1

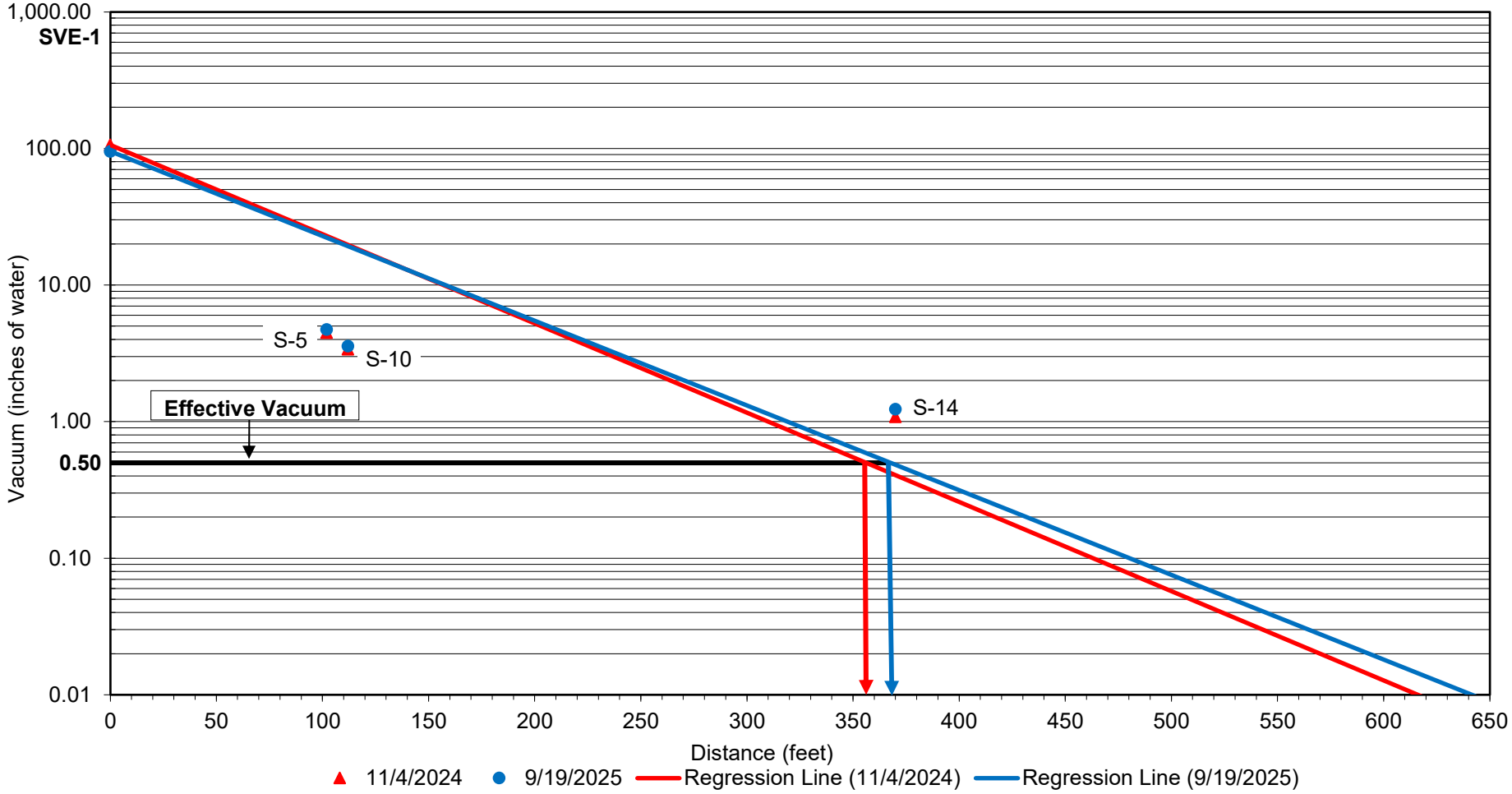
Radius of Influence Graph for SVE-1
Probe 1 of Observation Wells
TI Zone SVE Remedy
TIAA Superfund Site - Airport Property
Tucson, Arizona



Note:
Proportional vacuum values were used for shared observation wells.

Plate 2

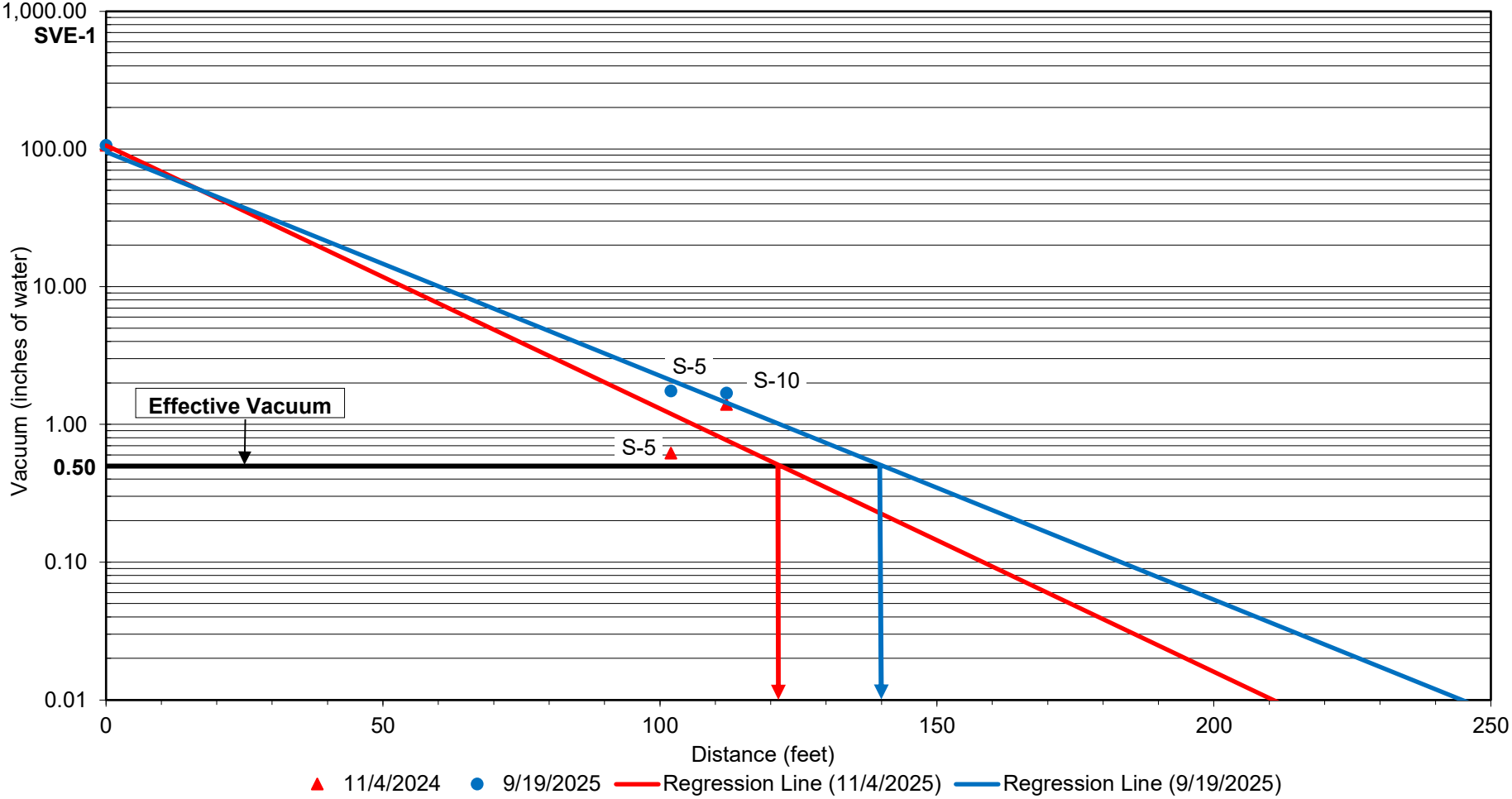
Radius of Influence Graph for SVE-1
Probe 2 of Observation Wells
TI Zone SVE Remedy
TIAA Superfund Site - Airport Property
Tucson, Arizona



Note:
Proportional vacuum values were used for shared observation wells.

Plate 3

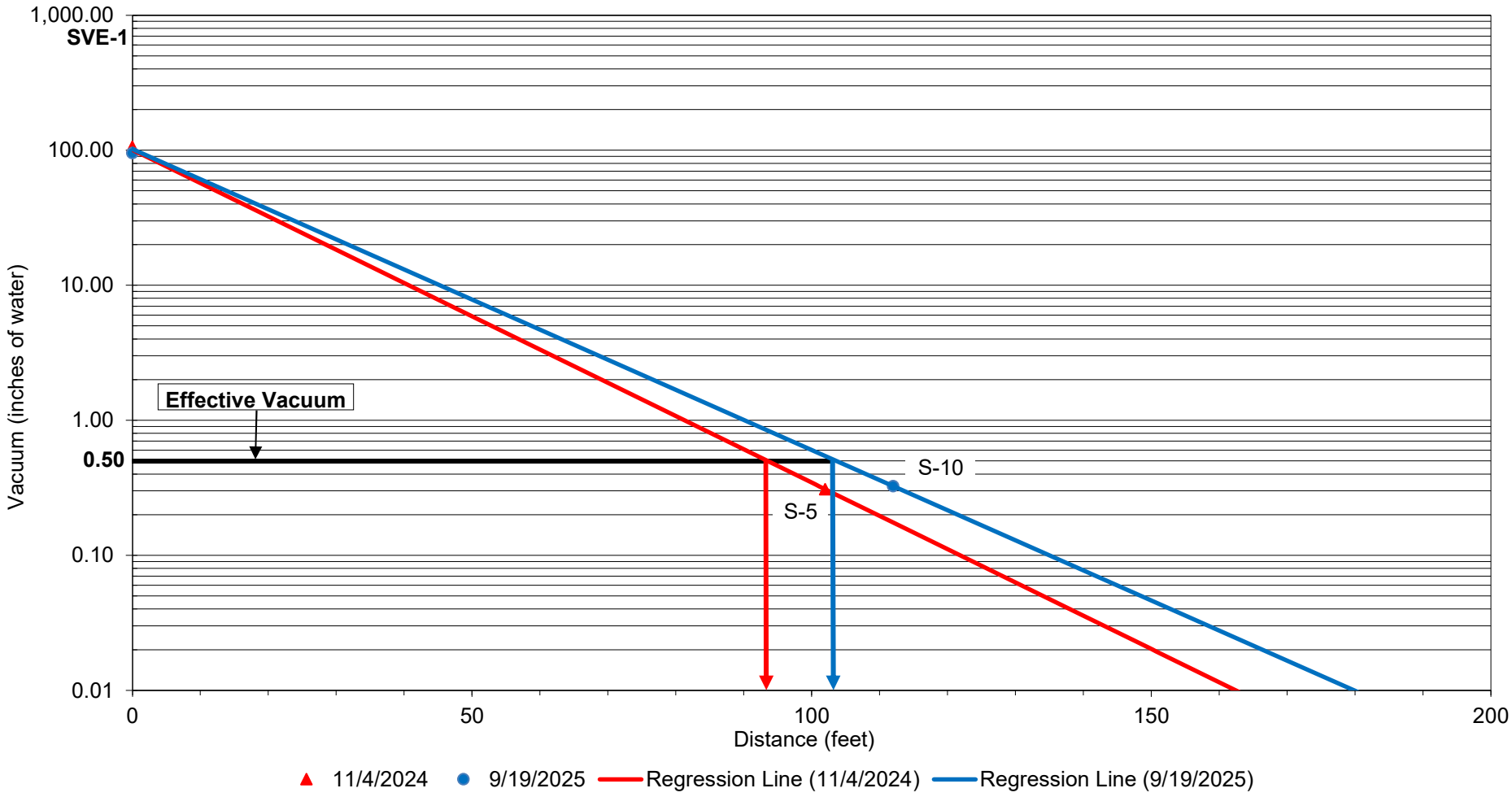
Radius of Influence Graph for SVE-1
Probe 3 of Observation Wells
TI Zone SVE Remedy
TIAA Superfund Site - Airport Property
Tucson, Arizona



Note:
Proportional vacuum values were used for shared observation wells.
Zero Vacuum at S-14 Probe 3 on 11/2/2023 and 11/4/2024.

Plate 4

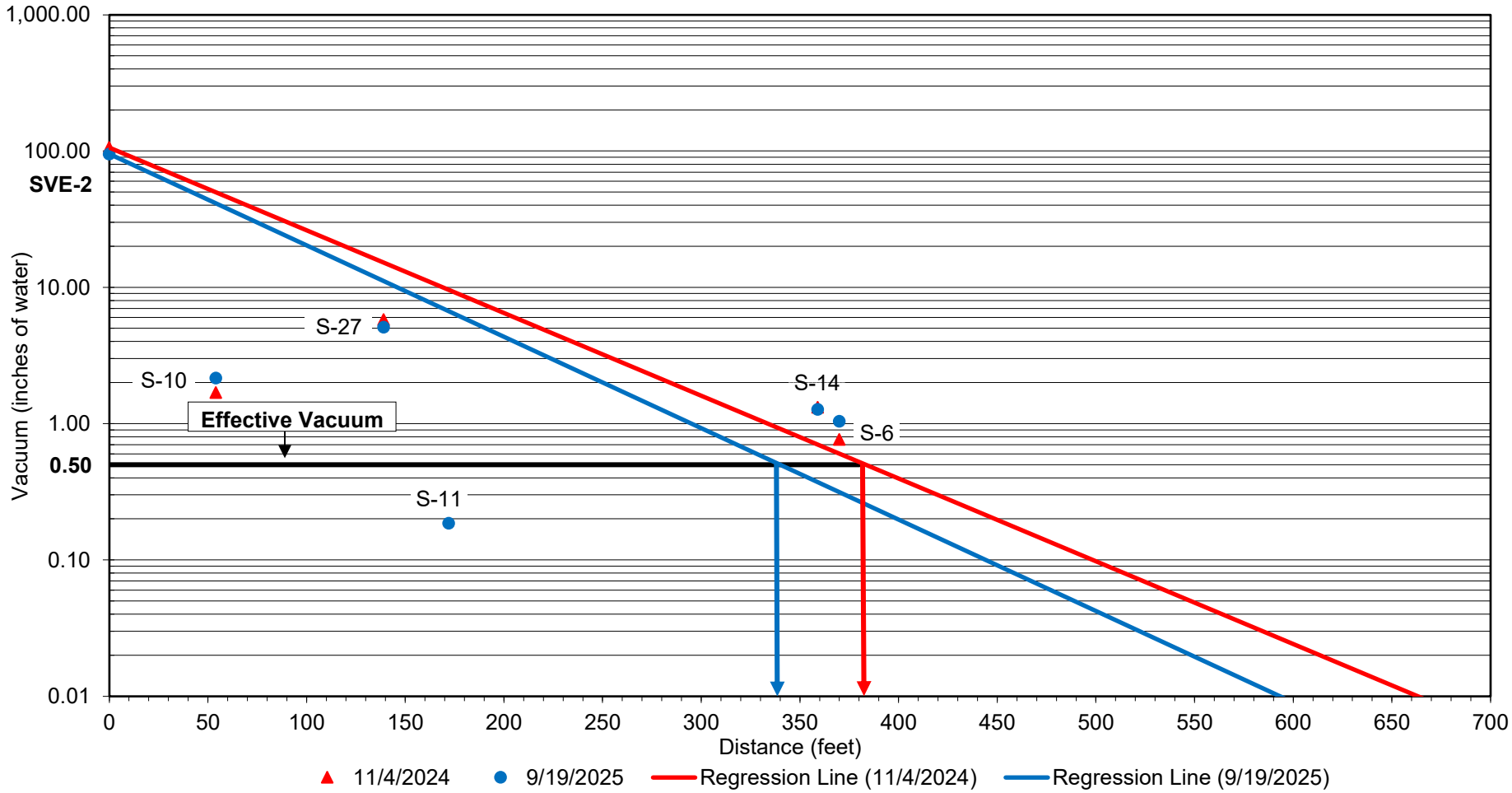
Radius of Influence Graph for SVE-1
Probe 4 of Observation Wells
TI Zone SVE Remedy
TIAA Superfund Site - Airport Property
Tucson, Arizona



Notes:
Proportional vacuum values were used for shared observation wells.
Zero Vacuum at S-5 on 11/2/2023, S-10 on 11/4/2024, and S-14 on 11/2/2023 and 11/4/2024 at Probe 4.

Plate 5

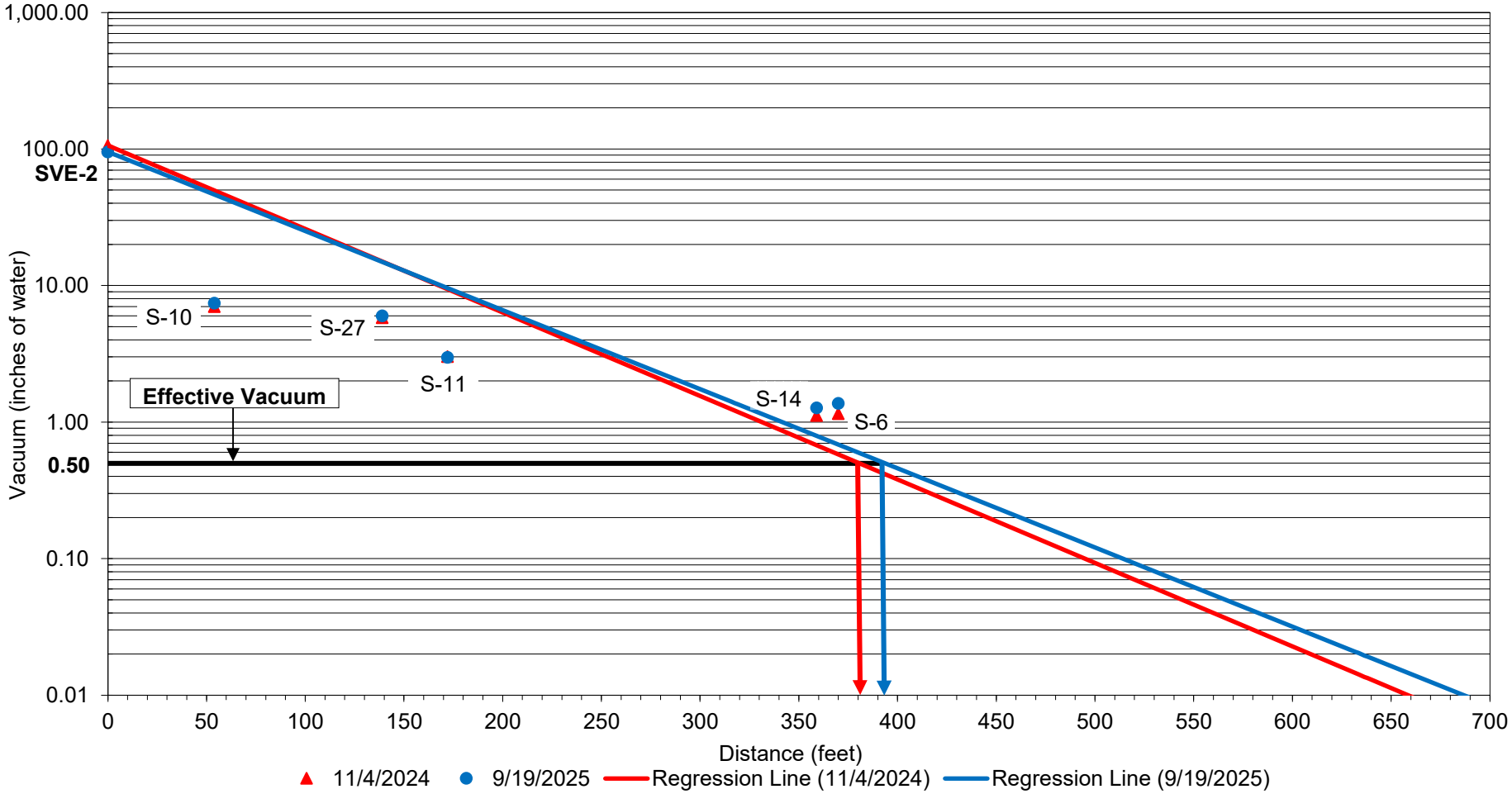
Radius of Influence Graph for SVE-2
Probe 1 of Observation Wells
TI Zone SVE Remedy
TIAA Superfund Site - Airport Property
Tucson, Arizona



Note:
Proportional vacuum values were used for shared observation wells.
Zero Vacuum at S-6 on 11/2/2023 and S-11 on 11/4/2024 at Probe 1.

Plate 6

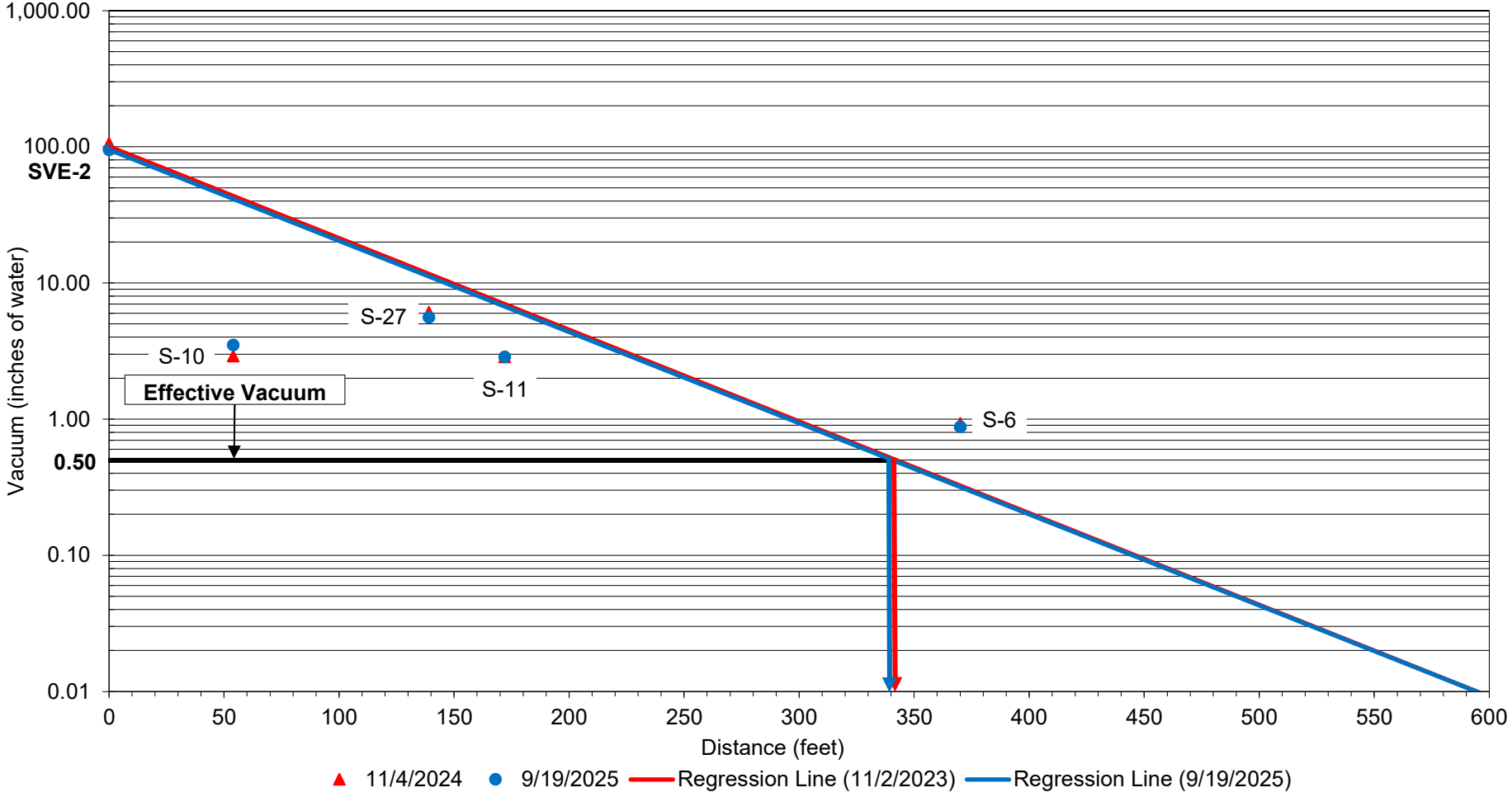
Radius of Influence Graph for SVE-2
Probe 2 of Observation Wells
TI Zone SVE Remedy
TIAA Superfund Site - Airport Property
Tucson, Arizona



Note:
Proportional vacuum values were used for shared observation wells.

Plate 7

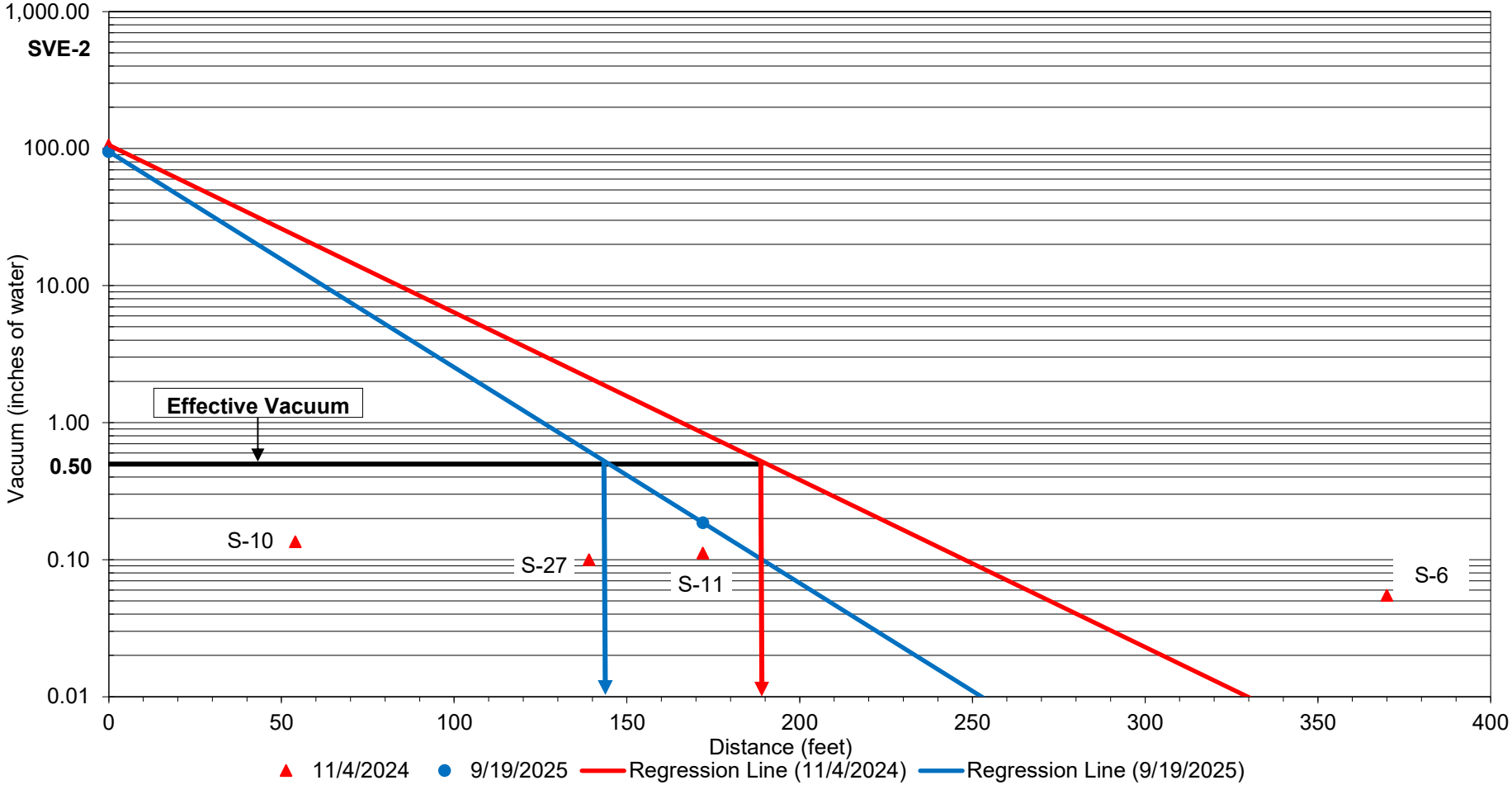
Radius of Influence Graph for SVE-2
Probe 3 of Observation Wells
TI Zone SVE Remedy
TIAA Superfund Site - Airport Property
Tucson, Arizona



Note:
Proportional vacuum values were used for shared observation wells.
Zero Vacuum at S-4 on 11/2/2023 and 11/4/2024 at Probe 3.

Plate 8

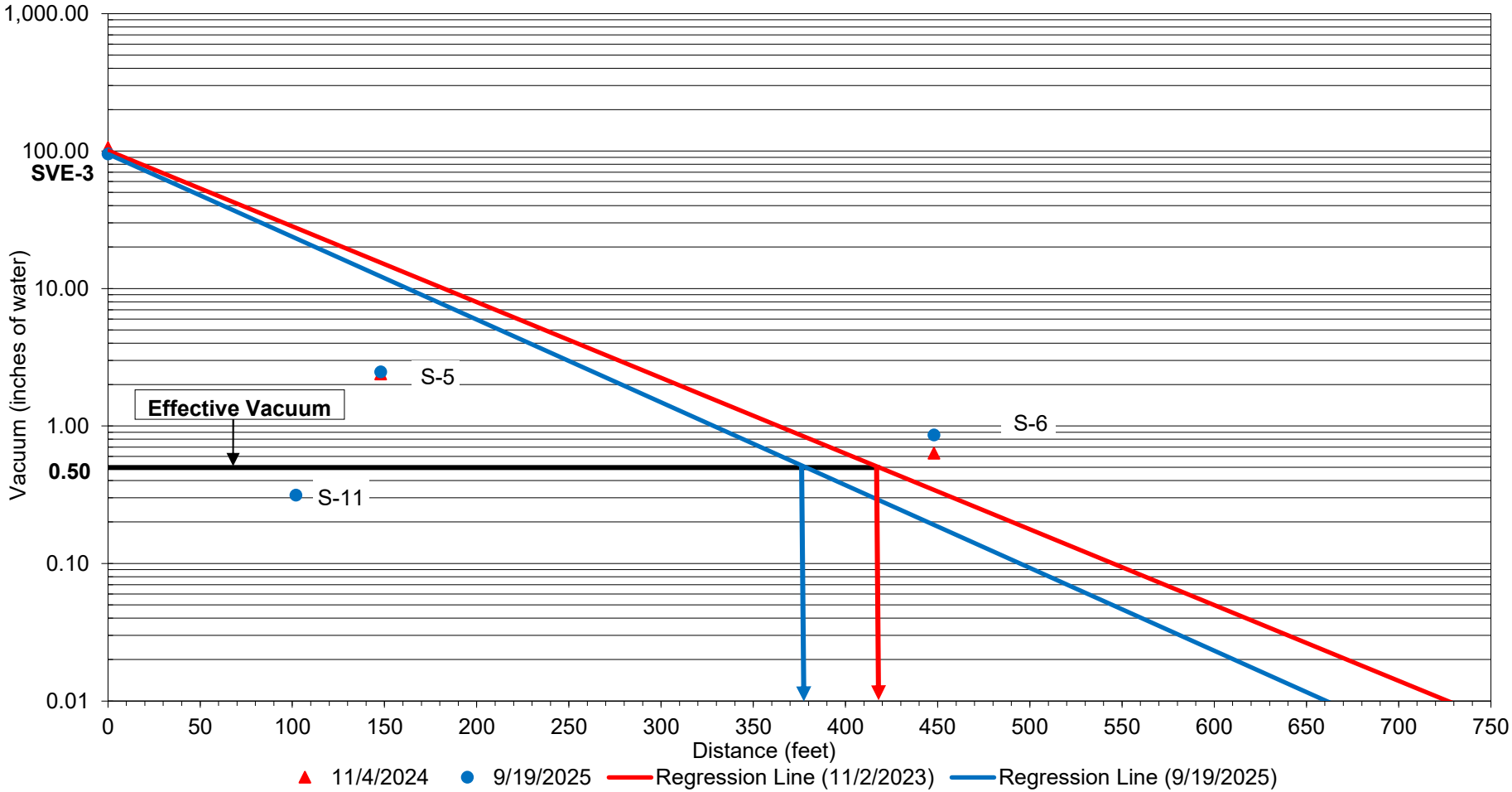
Radius of Influence Graph for SVE-2
Probe 4 of Observation Wells
TI Zone SVE Remedy
TIAA Superfund Site - Airport Property
Tucson, Arizona



Notes:
Proportional vacuum values were used for shared observation wells.
Zero Vacuum at S-14 on 11/2/2023 and 11/4/2024, and S-27 on 11/4/2024 at Probe 4.

Plate 9

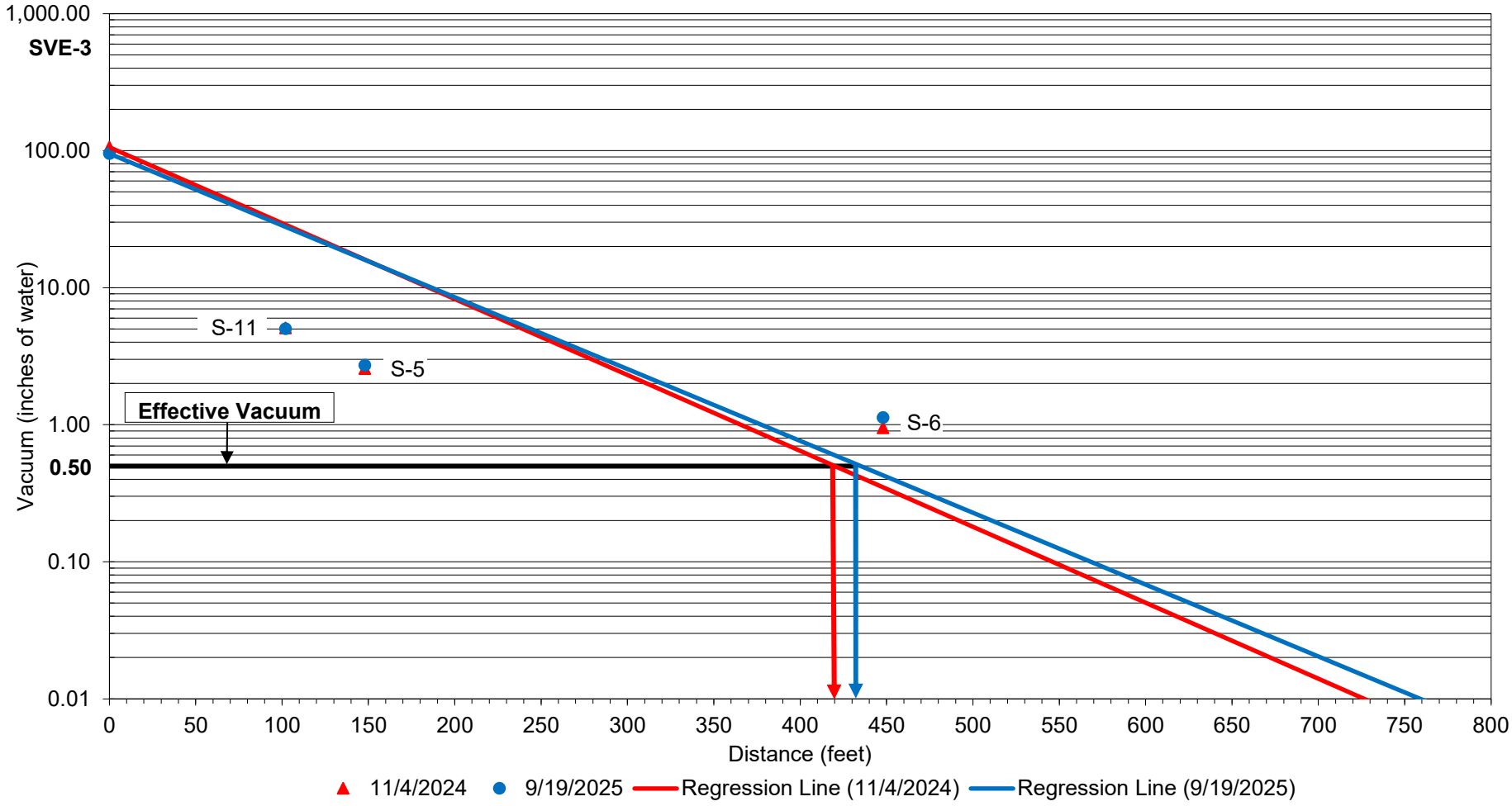
Radius of Influence Graph for SVE-3
Probe 1 of Observation Wells
TI Zone SVE Remedy
TIAA Superfund Site - Airport Property
Tucson, Arizona



Note:
Proportional vacuum values were used for shared observation wells.
Zero Vacuum at S-6 on 11/2/2023 and S-11 on 11/4/2024 at Probe 1.

Plate 10

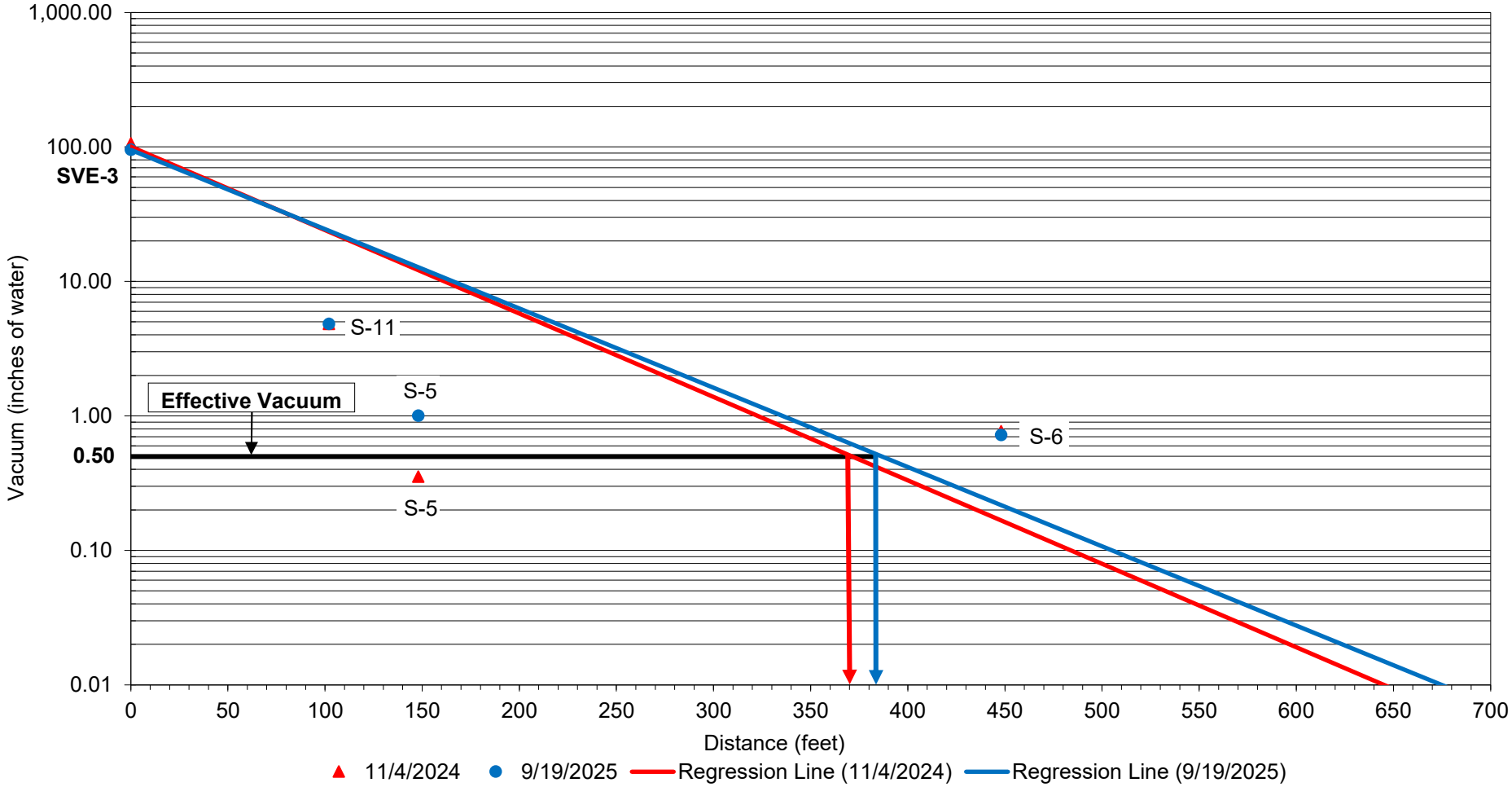
Radius of Influence Graph for SVE-3
Probe 2 of Observation Wells
TI Zone SVE Remedy
TIAA Superfund Site - Airport Property
Tucson, Arizona



Note:
Proportional vacuum values were used for shared observation wells.

Plate 11

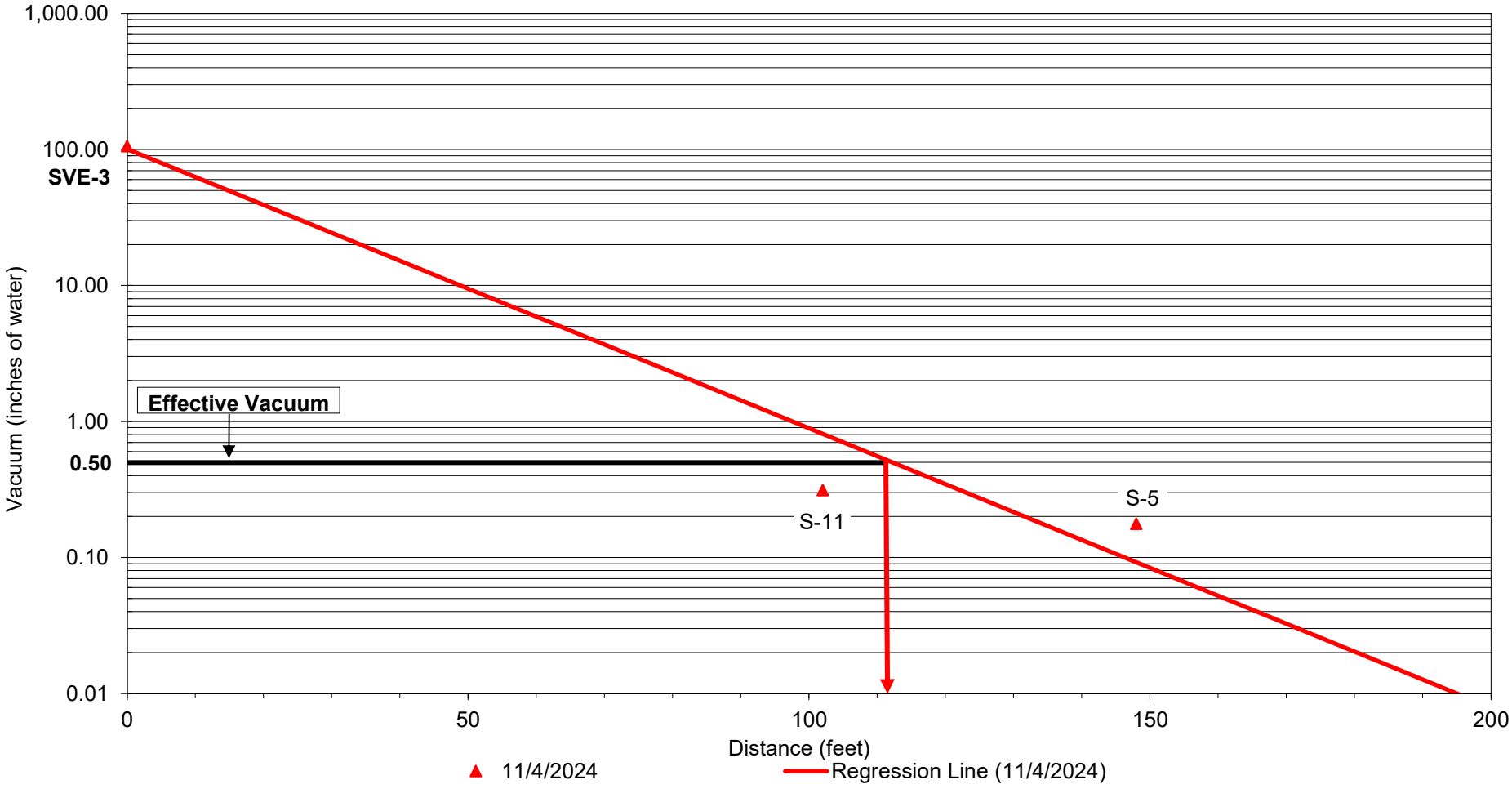
Radius of Influence Graph for SVE-3
Probe 3 of Observation Wells
TI Zone SVE Remedy
TIAA Superfund Site - Airport Property
Tucson, Arizona



Note:
Proportional vacuum values were used for shared observation wells.

Plate 12

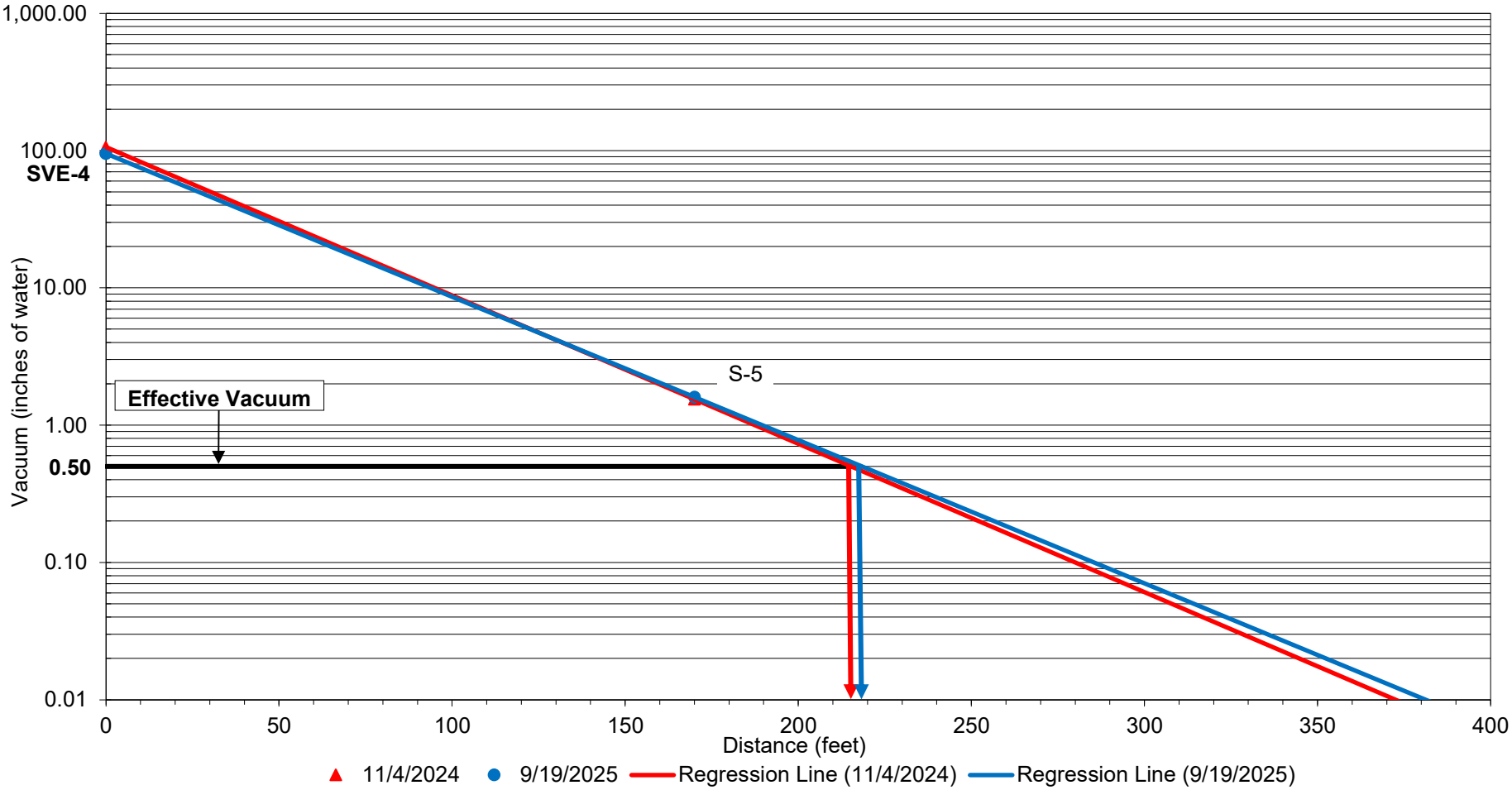
Radius of Influence Graph for SVE-3
Probe 4 of Observation Wells
TI Zone SVE Remedy
TIAA Superfund Site - Airport Property
Tucson, Arizona



Note:
Proportional vacuum values were used for shared observation wells.
Zero Vacuum at S-5 on 11/2/2023 and S-6 on 11/4/2024 at Probe 4.

Plate 13

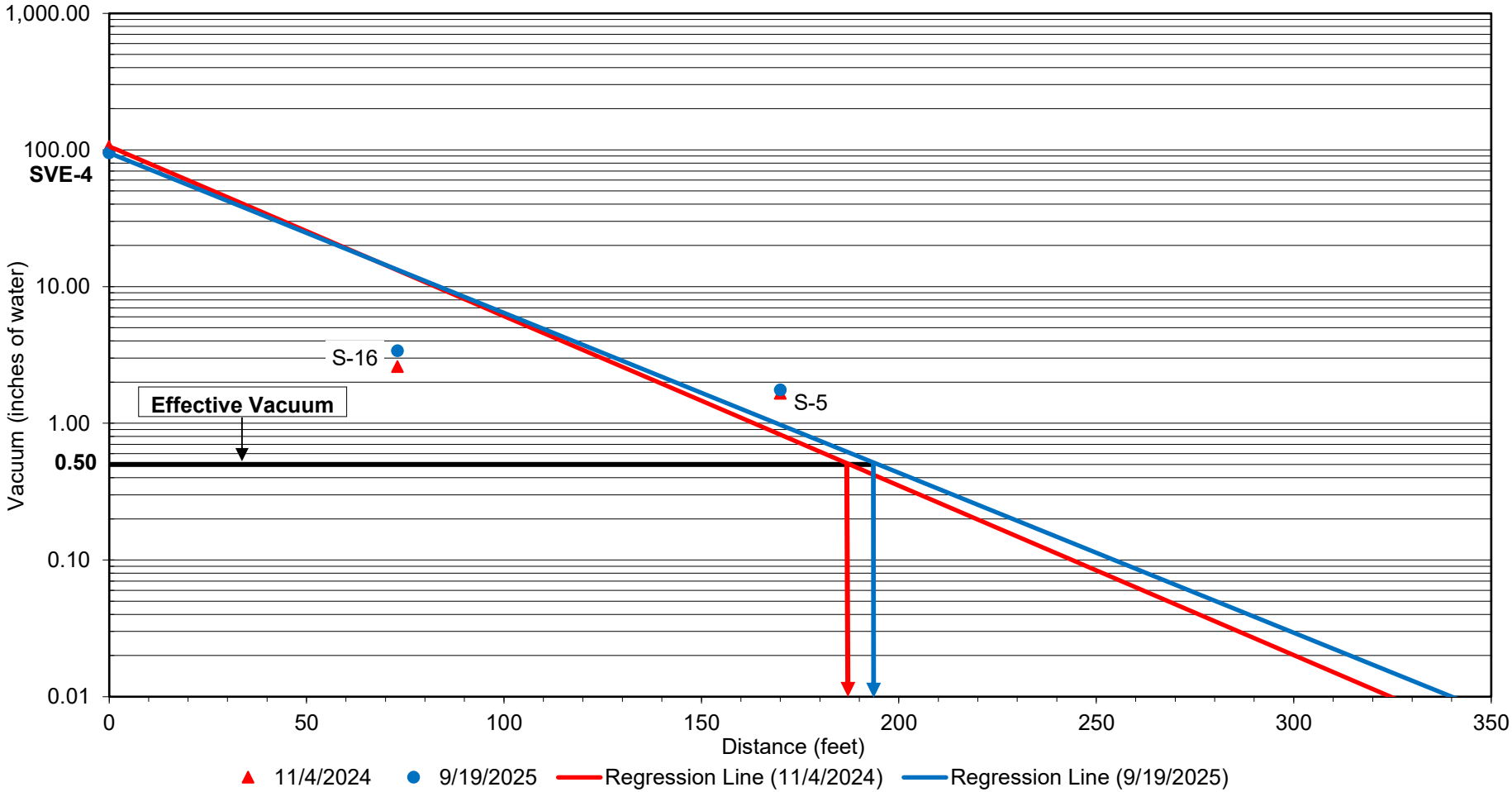
Radius of Influence Graph for SVE-4
Probe 1 of Observation Wells
TI Zone SVE Remedy
TIAA Superfund Site - Airport Property
Tucson, Arizona



Note:
Proportional vacuum values were used for shared observation wells.
Zero Vacuum at S-16 on 11/4/2024 at Probe 1.

Plate 14

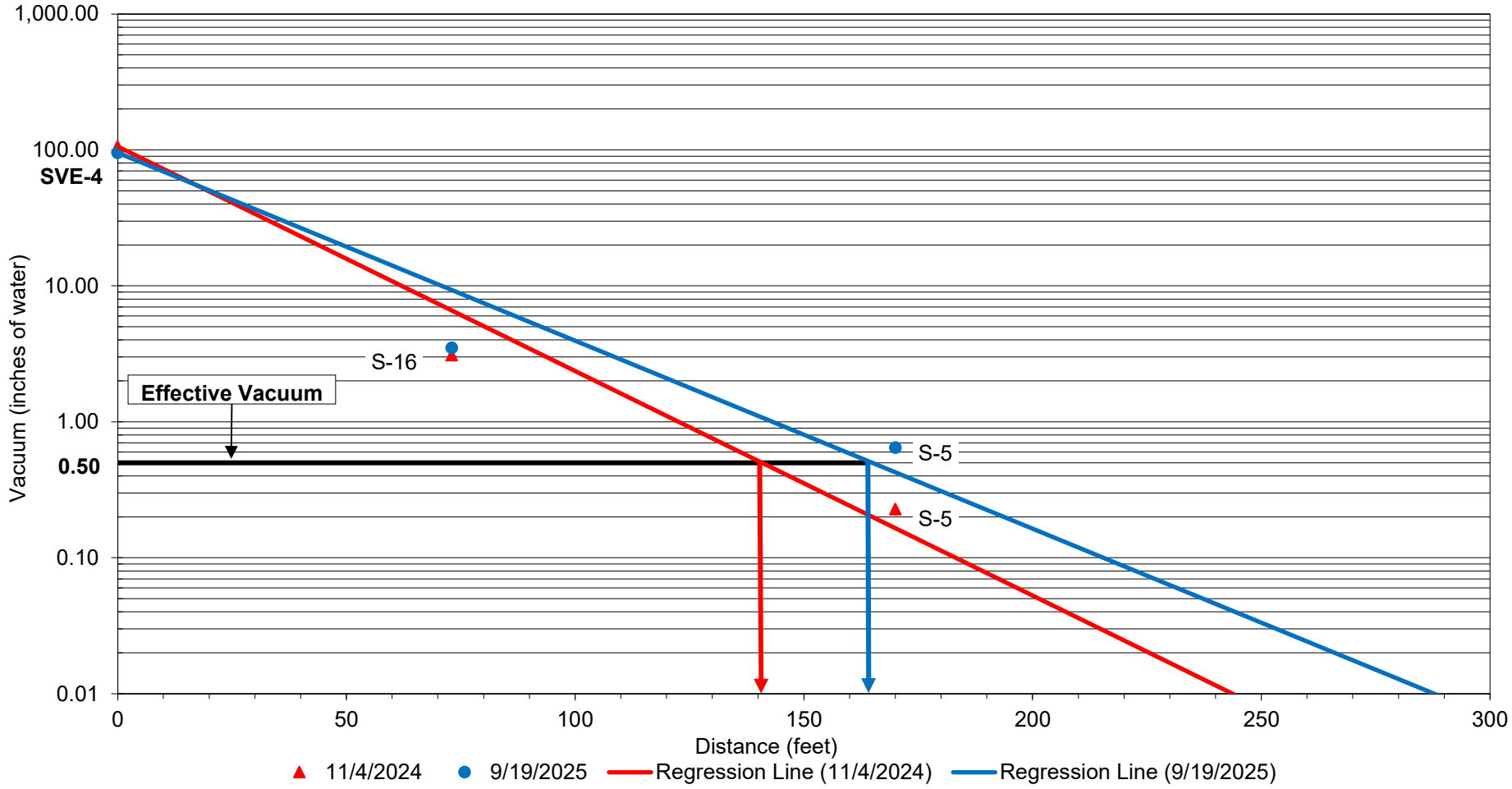
Radius of Influence Graph for SVE-4
Probe 2 of Observation Wells
TI Zone SVE Remedy
TIAA Superfund Site - Airport Property
Tucson, Arizona



Note:
Proportional vacuum values were used for shared observation wells.

Plate 15

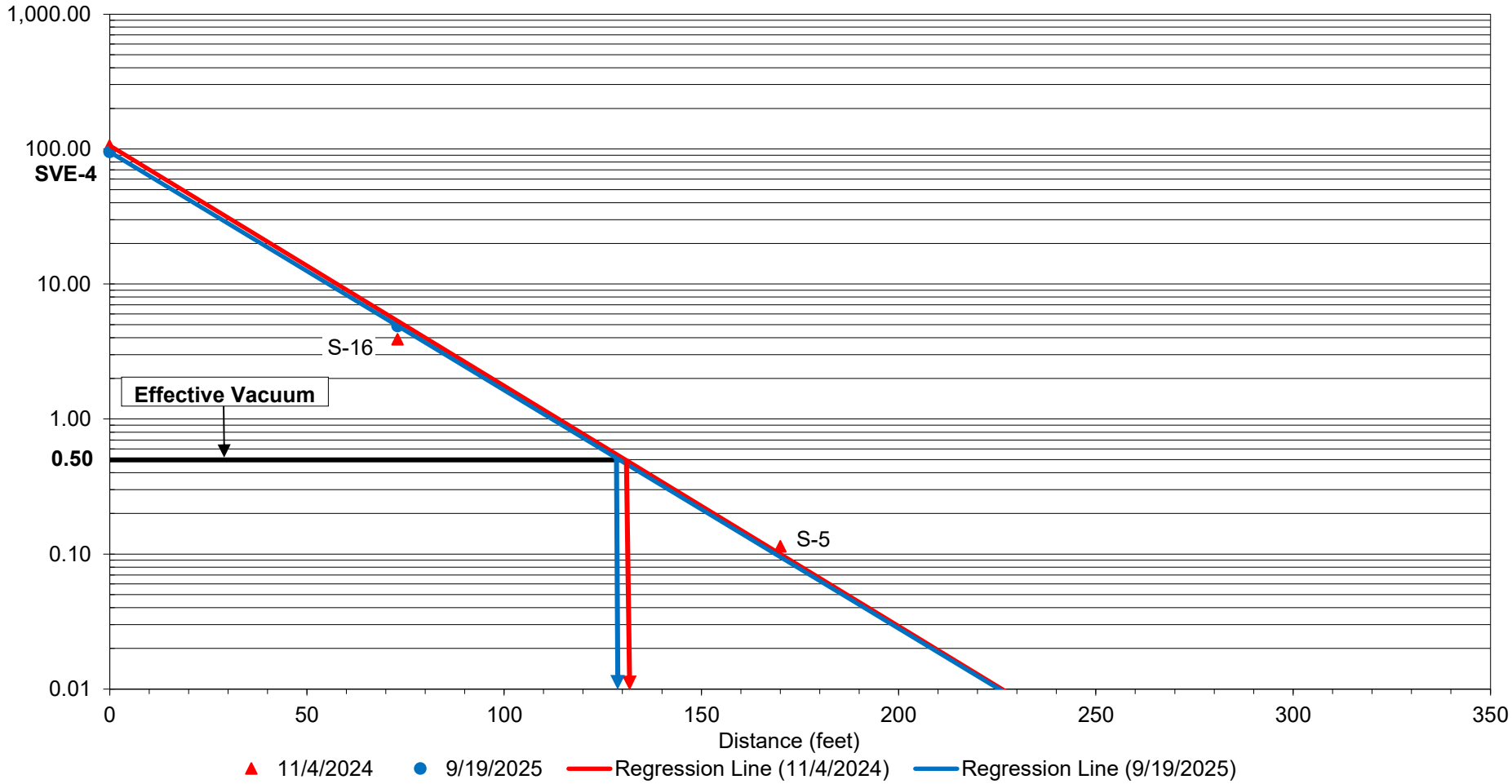
Radius of Influence Graph for SVE-4
Probe 3 of Observation Wells
TI Zone SVE Remedy
TIAA Superfund Site - Airport Property
Tucson, Arizona



Note:
Proportional vacuum values were used for shared observation wells.

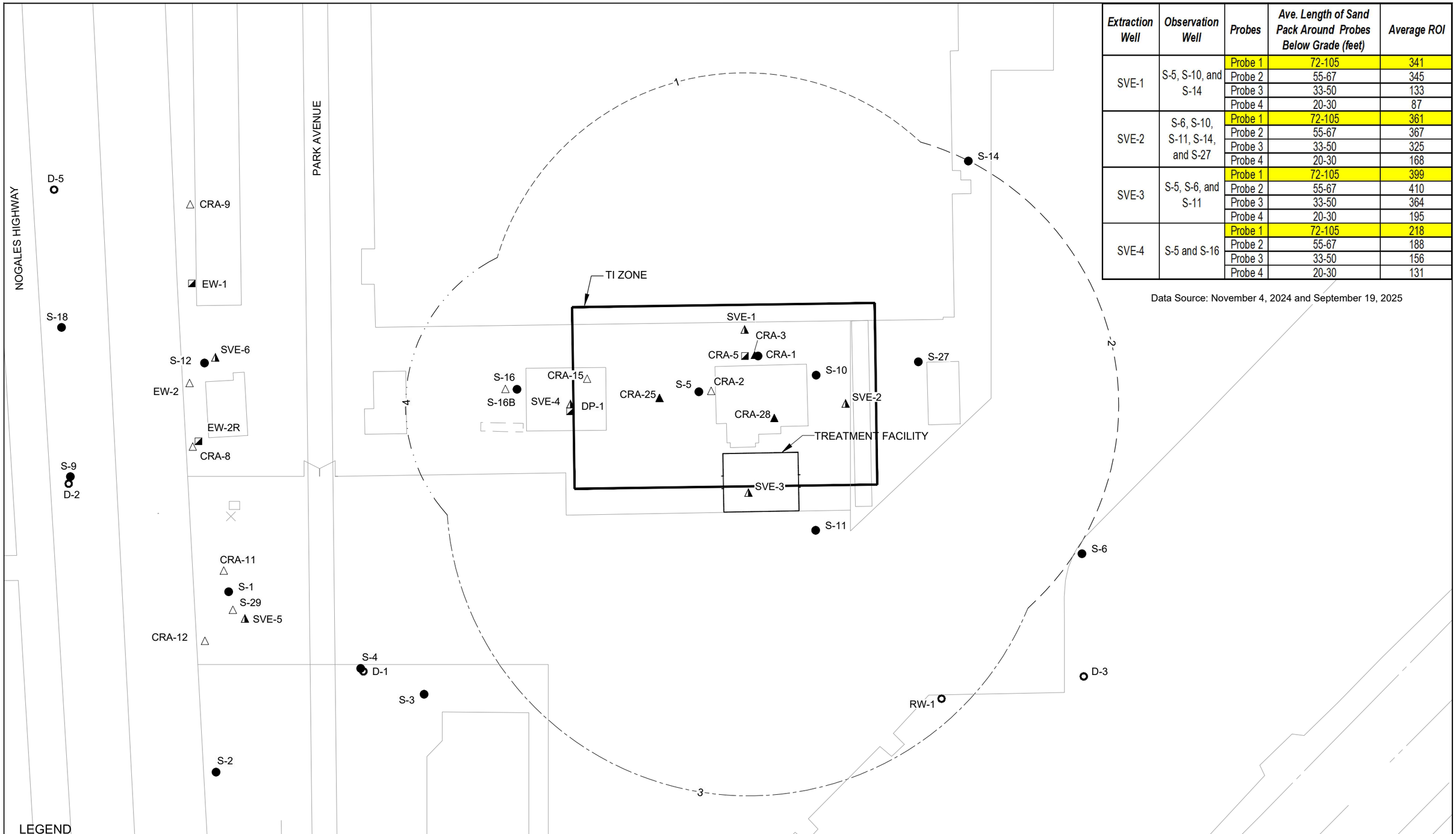
Plate 16

Radius of Influence Graph for SVE-4
Probe 4 of Observation Wells
TI Zone SVE Remedy
TIAA Superfund Site - Airport Property
Tucson, Arizona



Note:
Proportional vacuum values were used for shared observation wells.
Zero Vacuum at S-5 on 11/2/2023 at Probe 4.

Figures



Extraction Well	Observation Well	Probes	Ave. Length of Sand Pack Around Probes Below Grade (feet)	Average ROI
SVE-1	S-5, S-10, and S-14	Probe 1	72-105	341
		Probe 2	55-67	345
		Probe 3	33-50	133
		Probe 4	20-30	87
SVE-2	S-6, S-10, S-11, S-14, and S-27	Probe 1	72-105	361
		Probe 2	55-67	367
		Probe 3	33-50	325
		Probe 4	20-30	168
SVE-3	S-5, S-6, and S-11	Probe 1	72-105	399
		Probe 2	55-67	410
		Probe 3	33-50	364
		Probe 4	20-30	195
SVE-4	S-5 and S-16	Probe 1	72-105	218
		Probe 2	55-67	188
		Probe 3	33-50	156
		Probe 4	20-30	131

Data Source: November 4, 2024 and September 19, 2025

LEGEND

- SHALLOW GROUNDWATER ZONE (SGZ) MONITORING WELL
- GRAVEL SUBUNIT (GSU) MONITORING WELL
- REGIONAL AQUIFER MONITORING WELL
- EXTRACTION WELL
- SOIL VAPOR EXTRACTION (SVE) WELL
- SOIL VAPOR VENT WELL
- ESTIMATED RADIUS OF INFLUENCE AT SVE-1
- ESTIMATED RADIUS OF INFLUENCE AT SVE-2
- ESTIMATED RADIUS OF INFLUENCE AT SVE-3
- ESTIMATED RADIUS OF INFLUENCE AT SVE-4
- RAILROAD
- SECURITY FENCE

0 60.5 121 ft

N

GHD

TIAA SUPERFUND SITE
AIRPORT PROPERTY, TUCSON, ARIZONA
ROI CALCULATIONS, TI ZONE SVE REMEDY
THIRTY-SIXTH PER

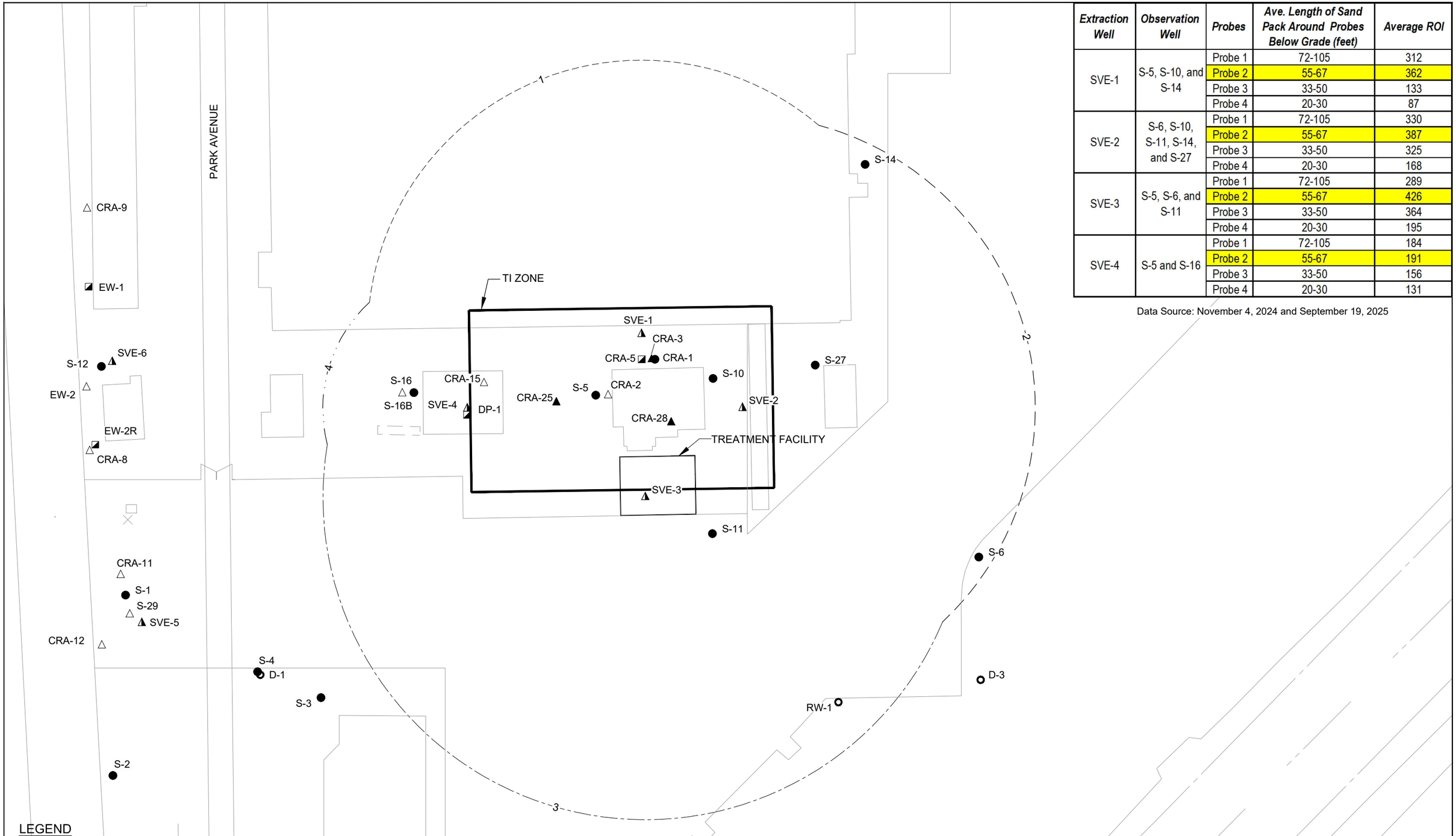
RADIUS OF INFLUENCE FOR PROBE 1
TI ZONE SVE SYSTEM

Project No. 12619196
Date October 2025

FIGURE G.1

Filename: N:\US\Tucson\Projects\561\12619196\Digital_Design\ACAD\Figures\1_Reports\12619196-(36)\Appendices\12619196_001_AppG_GN-PX001.dwg
Plot Date: 07 October 2025 2:41 PM

Data Source



Extraction Well	Observation Well	Probes	Ave. Length of Sand Pack Around Probes Below Grade (feet)	Average ROI
SVE-1	S-5, S-10, and S-14	Probe 1	72-105	312
		Probe 2	55-67	362
		Probe 3	33-50	133
		Probe 4	20-30	87
SVE-2	S-6, S-10, S-11, S-14, and S-27	Probe 1	72-105	330
		Probe 2	55-67	387
		Probe 3	33-50	325
		Probe 4	20-30	168
SVE-3	S-5, S-6, and S-11	Probe 1	72-105	289
		Probe 2	55-67	426
		Probe 3	33-50	364
		Probe 4	20-30	195
SVE-4	S-5 and S-16	Probe 1	72-105	184
		Probe 2	55-67	191
		Probe 3	33-50	156
		Probe 4	20-30	131

Data Source: November 4, 2024 and September 19, 2025

LEGEND

- SHALLOW GROUNDWATER ZONE (SGZ) MONITORING WELL
- GRAVEL SUBUNIT (GSU) MONITORING WELL
- REGIONAL AQUIFER MONITORING WELL
- EXTRACTION WELL
- SOIL VAPOR EXTRACTION (SVE) WELL
- SOIL VAPOR VENT WELL
- ESTIMATED RADIUS OF INFLUENCE AT SVE-1
- ESTIMATED RADIUS OF INFLUENCE AT SVE-2
- ESTIMATED RADIUS OF INFLUENCE AT SVE-3
- ESTIMATED RADIUS OF INFLUENCE AT SVE-4
- RAILROAD
- SECURITY FENCE

0 60 120 ft

N

GHD

TIAA SUPERFUND SITE
AIRPORT PROPERTY, TUCSON, ARIZONA
ROI CALCULATIONS, TI ZONE SVE REMEDY
THIRTY-SIXTH PER

RADIUS OF INFLUENCE FOR PROBE 2
TI ZONE SVE SYSTEM

Project No. 12619196
Date October 2025

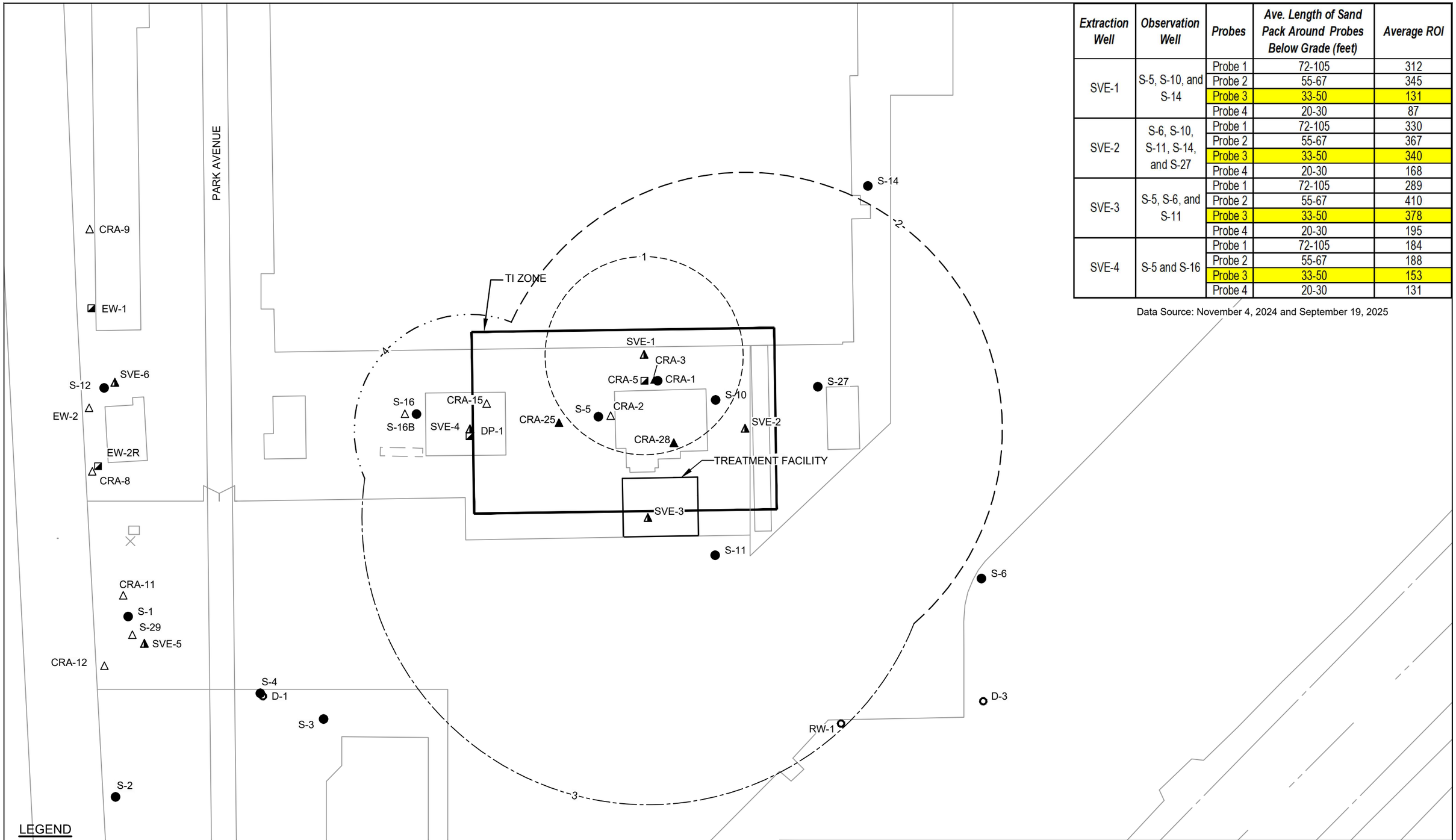
FIGURE G.2

Filename: N:\US\Tucson\Projects\561\12619196\Digital_Design\ACAD\Figures\1_Reports\12619196-(36)\Appendices\12619196_002_AppG_GN-PX002.dwg
Plot Date: 07 October 2025 2:51 PM

Data Source

Extraction Well	Observation Well	Probes	Ave. Length of Sand Pack Around Probes Below Grade (feet)	Average ROI
SVE-1	S-5, S-10, and S-14	Probe 1	72-105	312
		Probe 2	55-67	345
		Probe 3	33-50	131
		Probe 4	20-30	87
SVE-2	S-6, S-10, S-11, S-14, and S-27	Probe 1	72-105	330
		Probe 2	55-67	367
		Probe 3	33-50	340
		Probe 4	20-30	168
SVE-3	S-5, S-6, and S-11	Probe 1	72-105	289
		Probe 2	55-67	410
		Probe 3	33-50	378
		Probe 4	20-30	195
SVE-4	S-5 and S-16	Probe 1	72-105	184
		Probe 2	55-67	188
		Probe 3	33-50	153
		Probe 4	20-30	131

Data Source: November 4, 2024 and September 19, 2025



TIAA SUPERFUND SITE
AIRPORT PROPERTY, TUCSON, ARIZONA
ROI CALCULATIONS, TI ZONE SVE REMEDY
THIRTY-SIXTH PER

RADIUS OF INFLUENCE FOR PROBE 3
TI ZONE SVE SYSTEM

Project No. **12619196**
Date **October 2025**

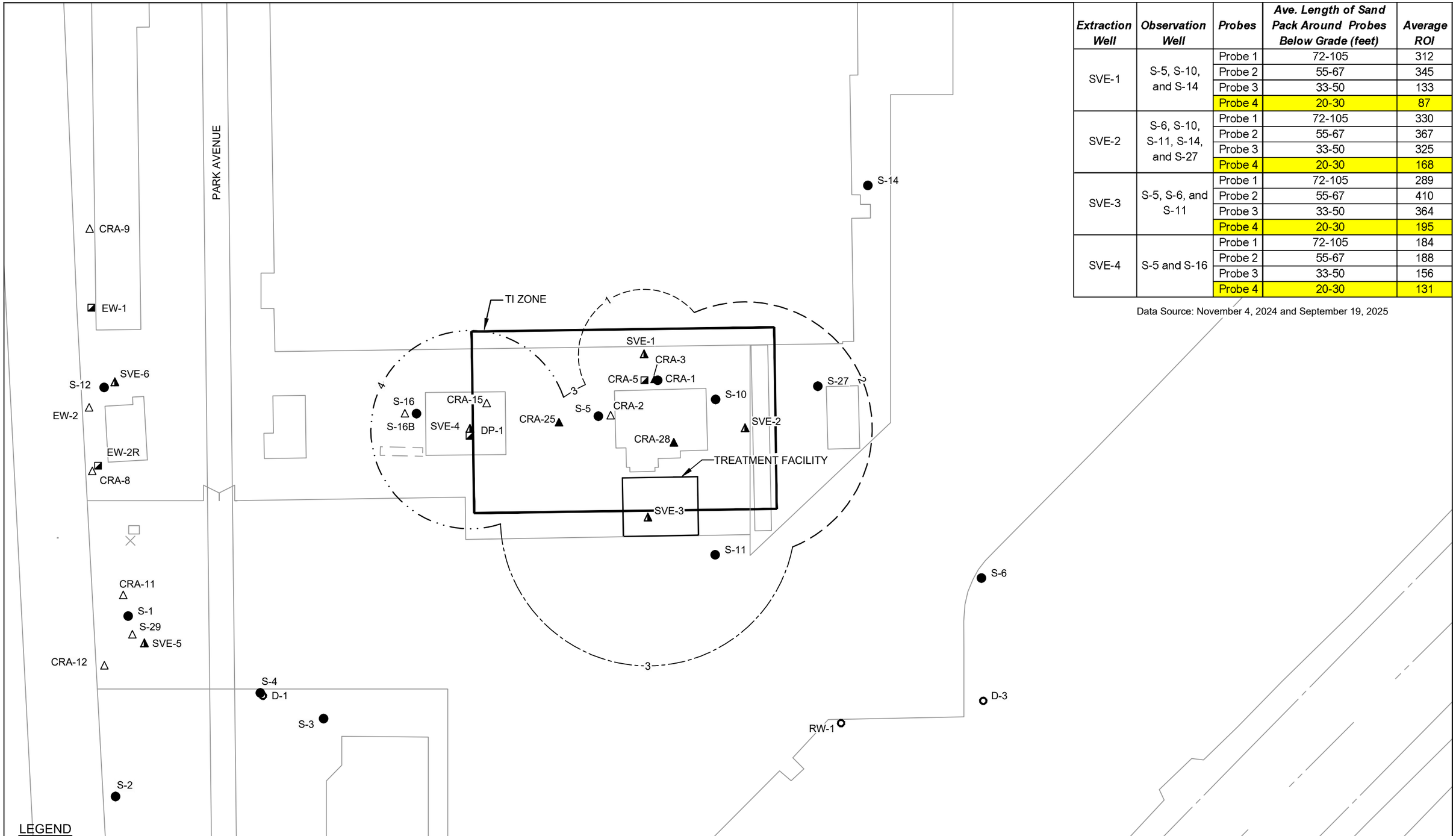
FIGURE G.3

Filename: N:\US\Tucson\Projects\561\12619196\Digital_Design\ACAD\Figures\1_Reports\12619196-(36)\Appendices\12619196_003_AppG_GN-PX003.dwg
Plot Date: 07 October 2025 2:28 PM

Data Source

Extraction Well	Observation Well	Probes	Ave. Length of Sand Pack Around Probes Below Grade (feet)	Average ROI
SVE-1	S-5, S-10, and S-14	Probe 1	72-105	312
		Probe 2	55-67	345
		Probe 3	33-50	133
		Probe 4	20-30	87
SVE-2	S-6, S-10, S-11, S-14, and S-27	Probe 1	72-105	330
		Probe 2	55-67	367
		Probe 3	33-50	325
		Probe 4	20-30	168
SVE-3	S-5, S-6, and S-11	Probe 1	72-105	289
		Probe 2	55-67	410
		Probe 3	33-50	364
		Probe 4	20-30	195
SVE-4	S-5 and S-16	Probe 1	72-105	184
		Probe 2	55-67	188
		Probe 3	33-50	156
		Probe 4	20-30	131

Data Source: November 4, 2024 and September 19, 2025



LEGEND

- SHALLOW GROUNDWATER ZONE (SGZ) MONITORING WELL
- GRAVEL SUBUNIT (GSU) MONITORING WELL
- REGIONAL AQUIFER MONITORING WELL
- EXTRACTION WELL
- SOIL VAPOR EXTRACTION (SVE) WELL
- SOIL VAPOR VENT WELL
- ESTIMATED RADIUS OF INFLUENCE AT SVE-1
- ESTIMATED RADIUS OF INFLUENCE AT SVE-2
- ESTIMATED RADIUS OF INFLUENCE AT SVE-3
- ESTIMATED RADIUS OF INFLUENCE AT SVE-4
- RAILROAD
- SECURITY FENCE

0 60 120 ft

N

GHD

TIAA SUPERFUND SITE
AIRPORT PROPERTY, TUCSON, ARIZONA
ROI CALCULATIONS, TI ZONE SVE REMEDY
THIRTY-FOURTH PER

RADIUS OF INFLUENCE FOR PROBE 4
TI ZONE SVE SYSTEM

Project No. 12619196
Date October 2025

FIGURE G.4

Filename: N:\US\Tucson\Projects\561\12619196\Digital_Design\ACAD\Figures\1_Reports\12619196-(34)\Appendices\12619196_004_AppG_GN-PX004.dwg
Plot Date: 07 October 2025 2:35 PM

Data Source

Appendix H

Statistical Analysis Memorandum

Memorandum

Internal use only

27 October 2025

To	Justin Berkompas		
Copy to	Dan Cusick, Krystal Serfine, Evan Schaff		
From	Daniela Araujo	**Tel**	+1 519 884 0510
Subject	Statistical Evaluation of TCE in Groundwater Monitoring Data TIAA Superfund Site – Airport Property Tucson, Arizona	**Project no.**	12619196-MEM-1

1. Introduction

This memo presents a statistical analysis for the Thirty-sixth Performance Evaluation Report (PER 36) which includes an evaluation of the implementation of the Shallow Groundwater Zone (SGZ) Remedy for the Airport Property (Site) located within the Tucson International Airport Area Superfund Site (TIAA Superfund Site) in Tucson, Arizona. The purpose of this analysis is to statistically evaluate the performance of the SGZ Remedy in attaining the trichloroethene (TCE) Performance Standards specified in the Statement of Work (SOW). The SGZ Remedy commenced in August 2007, and the pattern in TCE concentrations in groundwater since that time was considered.

2. Statistical Evaluation

2.1 Statistical Method

Two statistical methods were applied to evaluate the SGZ Remedy performance: (i) the Mann-Kendall trend test; and (ii) Shewhart-CUSUM control charts, which are both briefly described below.

2.1.1 The Mann-Kendall Trend test

The selected procedure for trend assessment was the Mann-Kendall trend test, which is commonly applied to evaluate environmental monitoring data (United States Geological Survey [USGS] [2020]; United States Environmental Protection Agency [USEPA] [2006]). The Mann-Kendall test is a non-parametric (rank-based) method that evaluates a set of data for a monotonic (unidirectional) trend. The procedure makes no assumptions regarding the shape of the trend (e.g., linear, log linear), except that it is in a single direction (i.e., either consistently upward or downward). The test is a robust procedure suitable for general trend analysis. However, the Mann-Kendall procedure loses sensitivity if a large proportion of censored data (non-detect results) is present, particularly when fewer than 4 detected results are present. Accordingly, no tests were performed for datasets having fewer than 4 detected values.

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In conducting the Mann-Kendall trend tests, a significance level of 0.05 (i.e., 95 percent confidence) was used for data sets with more than four samples. This confidence level (95 percent) is commonly utilized and is frequently found in USEPA statistical guidance examples (e.g., Box 4-8 and Box 4-10 of USEPA, 2006). Performing the trend tests at a confidence level of 0.05 ensures a false positive rate (concluding a significant trend when none is present) of no more than 1 in 20. However, for smaller data sets containing four results, a lower significance level of 0.10 (i.e., 90 percent confidence) was necessary because it is not mathematically possible to achieve 0.05 significance for a two-sided test (i.e., testing for either increasing or decreasing trends) with only four points (see Table B8 of USGS, 2020). No test was performed if three or fewer data points were available.

For the purposes of performing the Mann-Kendall trend test, non-detects were considered to be tied (i.e., equal) values with concentrations lower than the detected observations. A value of zero was used for the non-detects, although any value below the lowest detected result would yield identical ranking in the Mann-Kendall trend test (which as a non-parametric method considers only whether a certain observation is above or below another and not the magnitude of the difference). This assumption was made in order to prevent any variation in detection limits influencing the Mann-Kendall trend test results. Any field duplicate results were averaged prior to carrying out trend analyses. If one field duplicate was a detected value and the other a non-detect, the detected result was conservatively retained to represent a maximum estimate of the analyte concentration.

Any individual observations with ambiguous rankings for the Mann-Kendall test (i.e., either a detected value - typically J-qualified - below other detection limits; or an elevated detection limit above other detected values) was dealt with on a case-by-case basis to obtain the most appropriate trend test. Specifically, to resolve such ambiguities an approach of maximizing the amount of usable data was taken:

– If a small proportion of non-detects with detection limits higher than some low detected values was present, these non-detects were removed from consideration, in order to remove ambiguous comparisons while retaining as many actual detected concentrations as possible. This was only done if a sufficient number of detected and estimated detected values remained (preferably 5-8 or more).
– When a data set contained only a small proportion of low estimated values below non-detects with higher detection limits, these low values were censored to the highest reporting/quantification limit (per USEPA's *ProUCL Version 5.2.0 Technical Guide*, 2022), as long as the resulting data set contained no more than 50 percent non-detects.
– If a data set contained non-detects with *elevated* (and varying) detection limits above detected concentrations (e.g., due to matrix interference), then the non-detects with elevated detection limits were removed from consideration (which is preferable to censoring all lower detected values and likely resulting in an untestable data set containing over 50 percent non-detects).

One assumption of the Mann-Kendall trend test is that subsequent samples are reasonably equally spaced through time. In the TCE data sets considered, this assumption was generally well met, with regular monitoring having occurred on a consistent basis through time at most of the wells. In cases where larger temporal gaps in the monitoring record were present, additional trend testing was performed using linear or loglinear regression (another method presented in Chapter 12 of USGS, 2020) to evaluate whether the presence of these gaps could be obscuring the detection of significant trends. Since parametric regression procedures make assumptions regarding data distribution and patterns in the data (i.e., the shape of the modeled trend), additional effort was required to assess these assumptions prior to carrying out the regressions.

A final factor considered when carrying out trend analysis was the potential for seasonality in the TCE data sets. When present and substantial, seasonal effects may introduce variation into a temporal data set and prevent the detection of an underlying trend. In order to assess whether this was the case in any of the TCE data sets for the Site's monitoring wells, additional trend tests were performed considering seasonality. Specifically, the Seasonal-Kendall test (Section 12.4.1 of USGS, 2020) was carried out for all data sets containing sufficient seasonal data (at least four points per semi-annual season when monitoring is carried out) that did not have significant time gaps in the monitoring record. Where time gaps did occur, the regression analyses performed (see previous paragraph) were repeated including season as a factor in the regression.

2.1.2 Shewhart-CUSUM Control Charts

Shewhart-CUSUM control charts utilize statistical calculations to evaluate individual points for gross deviations from reference conditions represented by a Shewhart Control Limit (SCL). Additionally, the charts evaluate ongoing data for a gradual shift from reference conditions using a cumulative sum (CUSUM) which is compared to a cumulative threshold value (h). Trigger values of SCL=5 and h=4.5 above and below the reference data average have been selected for the Shewhart-CUSUM control chart (as per USEPA, 1989). The calculated SCL for individual-point comparisons represents a range of five standard deviations from the baseline mean. The CUSUM limit (h) represents a cumulative sum of consecutive observations more than 4.5 standard deviations outside a range of one standard deviation around the baseline reference mean. For example, if one concentration was 3.5 standard deviations above the reference period mean and the next concentration was 3.1 standard deviations above the mean, then the cumulative sum would be (3.5-1.0) + (3.1-1.0) = 4.6. This would indicate a CUSUM increase over reference conditions, since the selected trigger level (h) is 4.5.

The reference period for the control charts includes data collected in the 5 years prior to SGZ Remedy startup, between August 2002 and February/March 2007. In cases where there were no data collected during the 5 years prior to SGZ Remedy start-up, earlier data were used. This occurred for wells S-3, S-5, S-10, S-11, S-14, and S-27 in the SGZ. The most recent post-startup monitoring event occurred in July/August 2025, and a total of 36 post-SGZ startup monitoring events have occurred since remediation activities commenced in August 2007.

2.2 Data Used for Analysis

TCE groundwater data considered for these analyses were generated from samples collected in 72 wells at the Site: 29 wells in the Shallow Groundwater Zone (SGZ), 33 wells in the Gravel Subunit (GSU), including 6 SGZ Remedy extraction wells, and 10 wells in the Upper Regional Aquifer (RA). Two SGZ wells were not sampled in 2025, well S-24 was inaccessible due to damage to the well, and S-36 is sampled on a 5-year rotation and is scheduled to be sampled again in 2027.

Groundwater samples have been collected as early as 1992 in some wells. Historically, there is variation in the sampling frequency among wells, but in the majority of cases sampling has occurred semi-annually since 1998. However, in 2020 some wells were sampled annually instead of semi-annually. This occurred in 17 of the 29 SGZ wells and 15 of the 33 GSU wells. All RA wells continued with the semi-annual sampling schedule.

Trend tests and seasonal trend tests were performed for two time periods:

- Overall Period: 1992 – 2025 (including all data collected to date)
- Recent Period: 2016 – 2025 (including the last 10 years of data for annual wells) and 2021 – 2025 (including the last 5 years of data for semi-annual wells)

These time periods represent both the overall trends including historical data, and more recent trends as an indicator of current performance. The last 10-year timeframe for annual wells was selected in order to accommodate for the recommended minimum of 8-10 points for a 95 percent confidence in trends.

In order to accommodate observations with ambiguous rankings, non-detects with detection limits higher than some low detected values were removed from consideration for the following data sets:

- SZG wells: S-5, S-9, S-14, S-19, S-21, S-23, S-24,
- GSU wells: CRA-9, CRA-10, and CRA-34D
- Regional wells: D-3, D-4, D-6, and D-9

3. Results

The results of the trend tests and control charts are summarized below.

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3.1 Trend Tests

A summary of the Mann-Kendall trend test results are presented in Table 1 for the SGZ wells, Table 2 for the GSU wells and Table 3 for the RA wells. Trend tests were performed separately for each well. The results of the supplemental trend tests (regression and seasonal analyses) are presented for comparison beside the original Mann-Kendall trend test results in Tables 1 through 3. Data used for the trend tests are presented by aquifer in Attachments 1 through 3.

The table below presents a summary of Tables 1, 2, and 3, showing the number of wells in which results from the Mann-Kendall (M-K) trend tests were computed, during both overall and recent periods.

Trend test Result	SGZ		GSU		RA	
	Overall	Recent	Overall	Recent	Overall	Recent
<4 detects	7	8	0	4	0	0
Insufficient data	0	1	0	1	0	0
No trend	4	12	7	14	2	7
Decreasing	17	8	25	12	1	2
Increasing	1	0	0	2	7	1
Total	**29**	**29**	**32**	**32**	**10**	**10**

In cases where regression was used due to large temporal gaps, the results are consistent with the M-K trend test (see Tables 1 through 3). Temporal gaps did not influence the trend test conclusions in these cases.

Results of the Seasonal trend tests are also shown in Tables 1, 2, and 3. Seasonal trend test results are also consistent with the M-K trend test results with a few exceptions. There were a few cases where different conclusions were achieved, which emphasizes the seasonality factor in the data: SGZ wells CRA-52S (overall), S-26 and CRA-57S (recent); GSU wells CRA-7, CRA-57D, CRA-67D, and DP-1; Regional wells D-1, D-8, and MWR-2.

3.2 Control Charts

Control charts comparing post-SGZ Remedy startup TCE concentrations to pre-startup conditions are presented on Figures 1 through 13. Figures 14 through 26 show TCE concentrations vs. time plots for 36 wells that had no detected values or no reference data. Of the 35 wells that were subjected to control charts analysis, 25 wells were found to have TCE concentrations below both Shewhart control limit (SCL) and CUSUM control limit (h) indicating that TCE concentrations at these wells are consistent with the reference period (i.e., the last 5 years prior to startup, or earlier if no data from this time period were available).

TCE in ten wells were found to be above control limits:

- Well S-21: TCE concentrations were above the SCL between 2010 and 2015, which caused the CUSUM to rise above its limit “h”. Although the CUSUM is still above its limit, TCE concentrations are below the SCL since July 2015.
- Well S-23: TCE concentrations were not detected between 2009 and 2016, then detected concentrations were observed after 2016. There was a gradual increase in TCE concentrations above reference conditions with a few values occasionally observed above the SCL, which caused the CUSUM to rise above its limit.
- Well S-24: TCE concentrations appear to be gradually increasing during the post-reference period with a few values occasionally observed above the SCL. The last two current TCE concentrations in 2024 were above the SCL, and consequently the CUSUM in this well continues to rise above its limit. This well was not sampled in 2025 due to well damage.

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– Well D-1: TCE concentrations were observed above reference conditions since August 2013, in addition to individual concentrations above the SCL (almost 4 times higher), and similar to those observed during the pre-reference period. Therefore, the CUSUM is also above its limit.
– Well D-2: TCE concentrations observed since August 2010 were found to be above the SCL causing the CUSUM to rise above its limit. TCE concentrations in 2025 are similar to pre-reference period concentrations (i.e., observed in 1993).
– Well D-3: TCE concentrations have been gradually increasing since August 2010 and individual TCE observations have been above the SCL since August 2012. TCE observations in 2025 were consistent with those observed in the previous 10 years. The CUSUM continue to rise above its limit.
– Well D-5: TCE concentrations were observed above the SCL since February 2014, however, they are consistent with those observed during the pre-reference period (1999 and 2000). Consequently, this caused the CUSUM to rise and remain above its limit.
– Well D-8: The CUSUM was above its limit following a high TCE concentration above the SCL right after the baseline period. Subsequent TCE concentrations were observed below the SCL and consistent with those observed during the reference period, which brought the CUSUM down to below its limit. However, a gradual increase in TCE concentrations after 2018 caused the CUSUM to rise above its limit, although all individual TCE concentrations are below the SCL. Currently, the CUSUM is above its limit.
– Well D-9: The last four TCE concentrations observed in 2023 and 2024 were above reference conditions and the SCL. Consequently, the CUSUM have recently risen above its limit. Although the two TCE concentrations in 2025 were below the SCL, the CUSUM remain above its limit.
– Well MWR-2: TCE concentrations have been gradually increasing since 2008, somewhat elevated compared to reference conditions, causing the CUSUM to rise above its limit. The most recent three TCE concentrations are above the SCL.

4. Conclusions

The results from the Mann-Kendall trend tests for the overall period (1992 – present) show that TCE concentrations in the 71 wells evaluated are stable (no trend) in 13 wells. Statistically significant decreasing trends were identified in 43 wells. However, statistically significant increasing trends in TCE concentrations over time were observed in eight wells (S-24, D-1, D-2, D-3, D-4, D-5, D-6, and MWR-2). Considering the recent period (2016/2021–2025), TCE concentrations have been stable in 33 wells (no trends) and decreasing in 22 wells. Increasing trends were identified in 3 wells (S-16B, CRA-57D, and MWR-2) over the recent period. There was very good agreement in the conclusions of the original Mann-Kendall trend tests and the supplemental analyses (regression and seasonal tests) performed, with the vast majority yielding the same conclusion for each method used to test a given data set. These small changes do not impact the overall findings of the SGZ Remedy evaluation.

Based on the control chart analysis, ten wells have been observed with post-SGZ TCE concentrations above reference period conditions. Both individual TCE concentrations and CUSUM patterns above control limits have been observed at seven wells (S-23, MWR-2, D-1, D-2, D-3, D-5, and D-9) during the current monitoring event. Wells S-21, D-8, and D-9 have CUSUM above its limit, although recent TCE concentrations were observed below the SCL.

In the great majority of data sets, TCE concentrations in groundwater at the SGZ and GSU wells were decreasing or stable and were consistent with the baseline period (prior to the SGZ Remedy startup) at each well as shown by the Shewhart-CUSUM control chart evaluation. In contrast, TCE concentrations at the majority of RA wells were increasing during the overall period and were observed to be above baseline

conditions as shown by the Shewhart-CUSUM control chart evaluation. However, evaluation of TCE concentrations in the last five years show that they are stable.

Regards,

Daniela Araujo
Environmental Scientist

Encl.

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5. References

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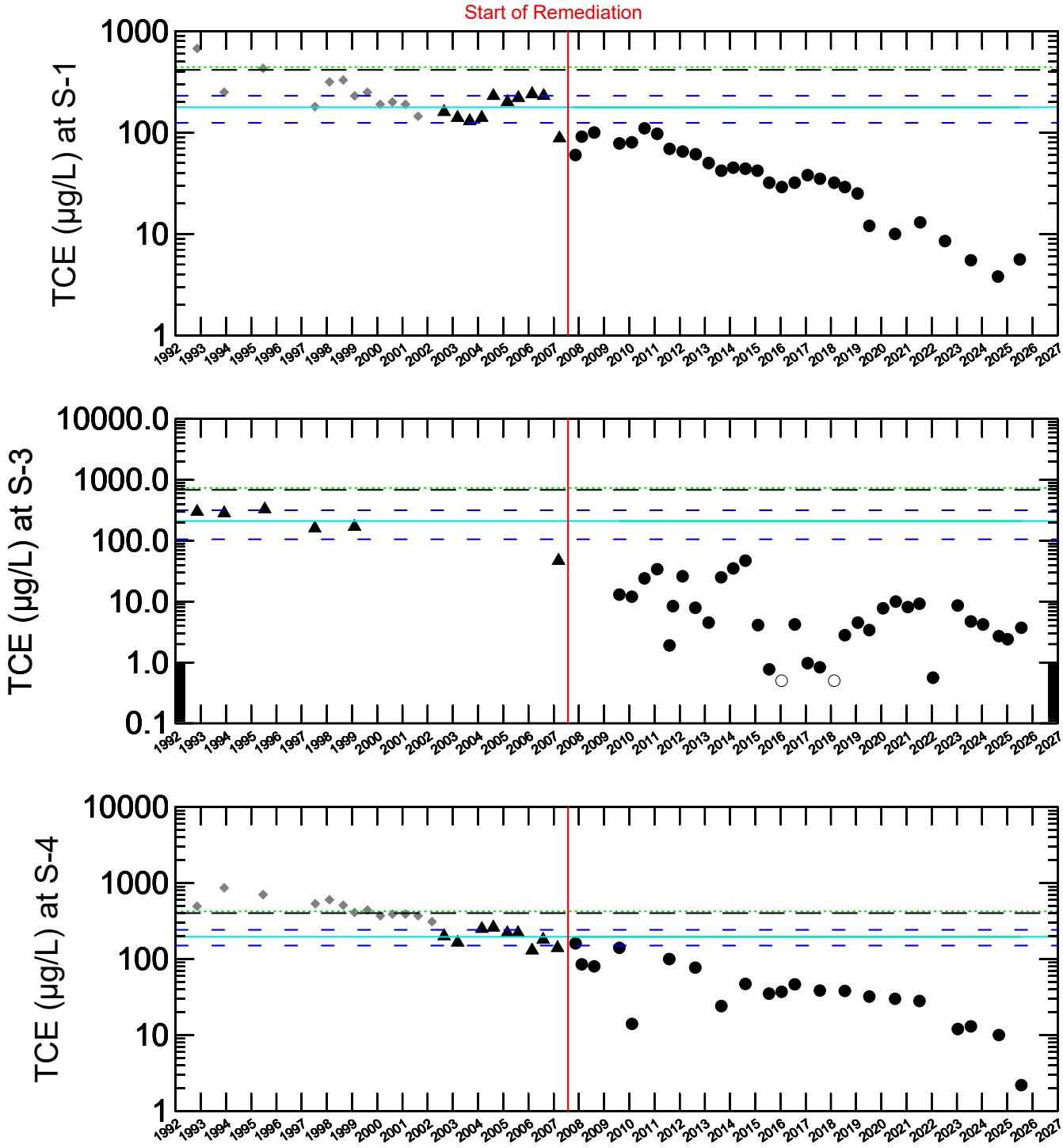
Figures



Legend:

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- Reference Period Mean
- CUSUM for Post-SGZ startup data
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- Upper and Lower Reference Displacement Values (k= -1, +1 standardized units)

Note:

Non-detects (plotted at detection limit) are represented by empty symbols.

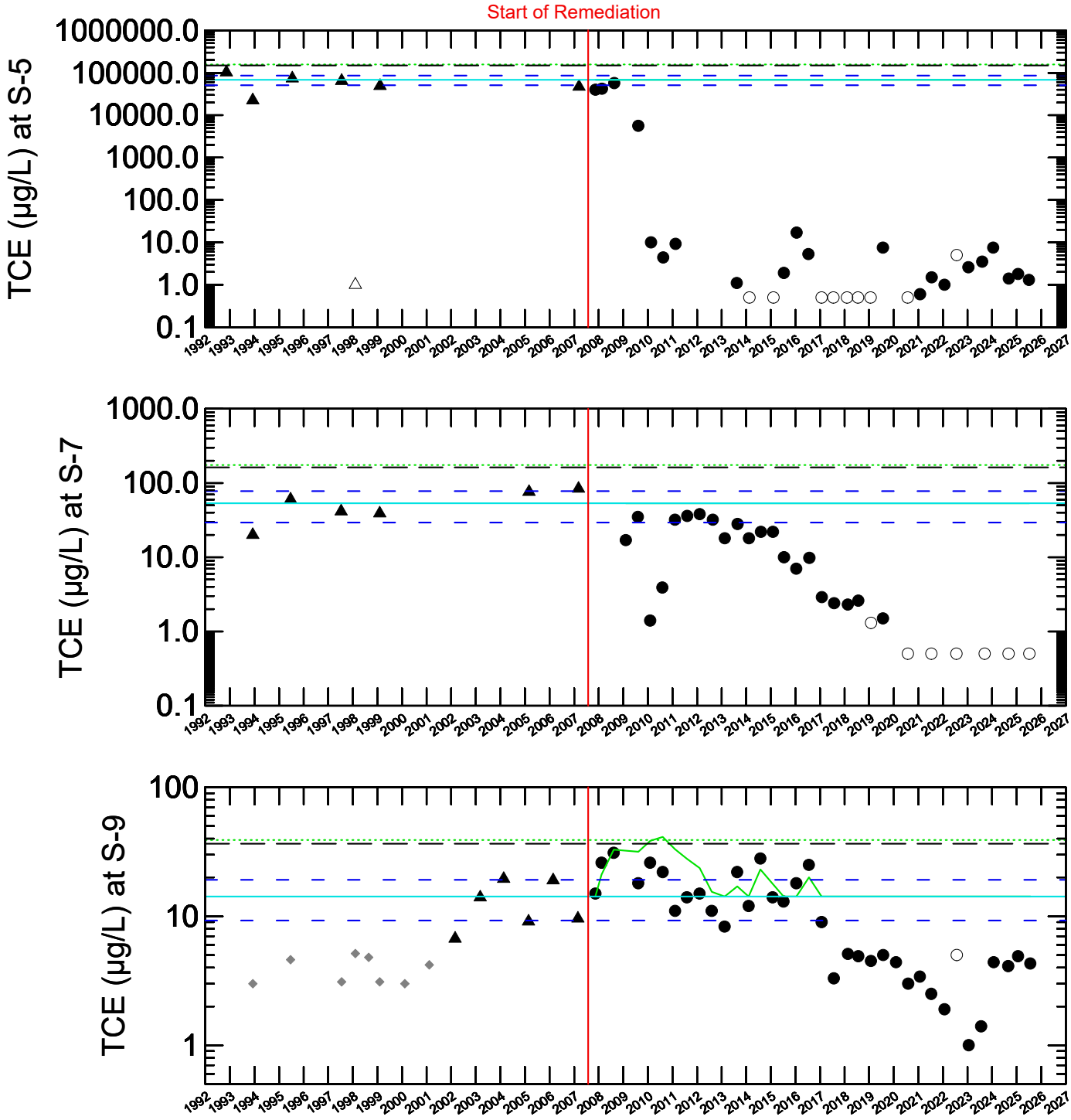
GHD

Evaluation of Trichloroethene (TCE) in Groundwater
TIAA Superfund Site - Airport Property
Tucson, Arizona

SHALLOW GROUNDWATER ZONE (SGZ) WELLS
INTRA-WELL SHEWHART-CUSUM CONTROL CHART

Project No. **12619196**
Date: **Oct 14, 2025**

FIGURE 1



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GHD

Evaluation of Trichloroethene (TCE) in Groundwater
TIAA Superfund Site - Airport Property
Tucson, Arizona

SHALLOW GROUNDWATER ZONE (SGZ) WELLS
INTRA-WELL SHEWHART-CUSUM CONTROL CHART

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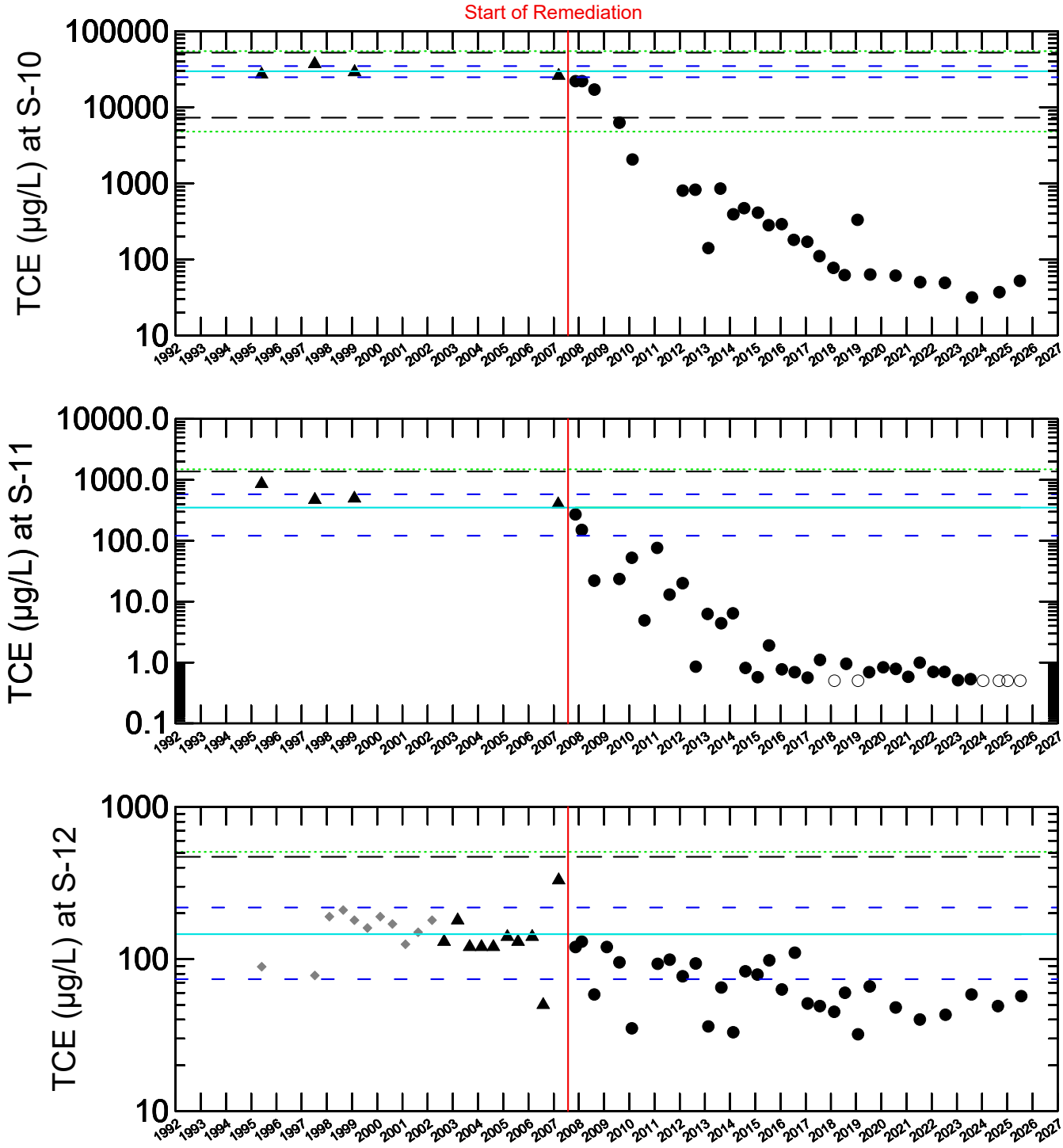
FIGURE 2



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Evaluation of Trichloroethene (TCE) in Groundwater
TIAA Superfund Site - Airport Property
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SHALLOW GROUNDWATER ZONE (SGZ) WELLS
INTRA-WELL SHEWHART-CUSUM CONTROL CHART

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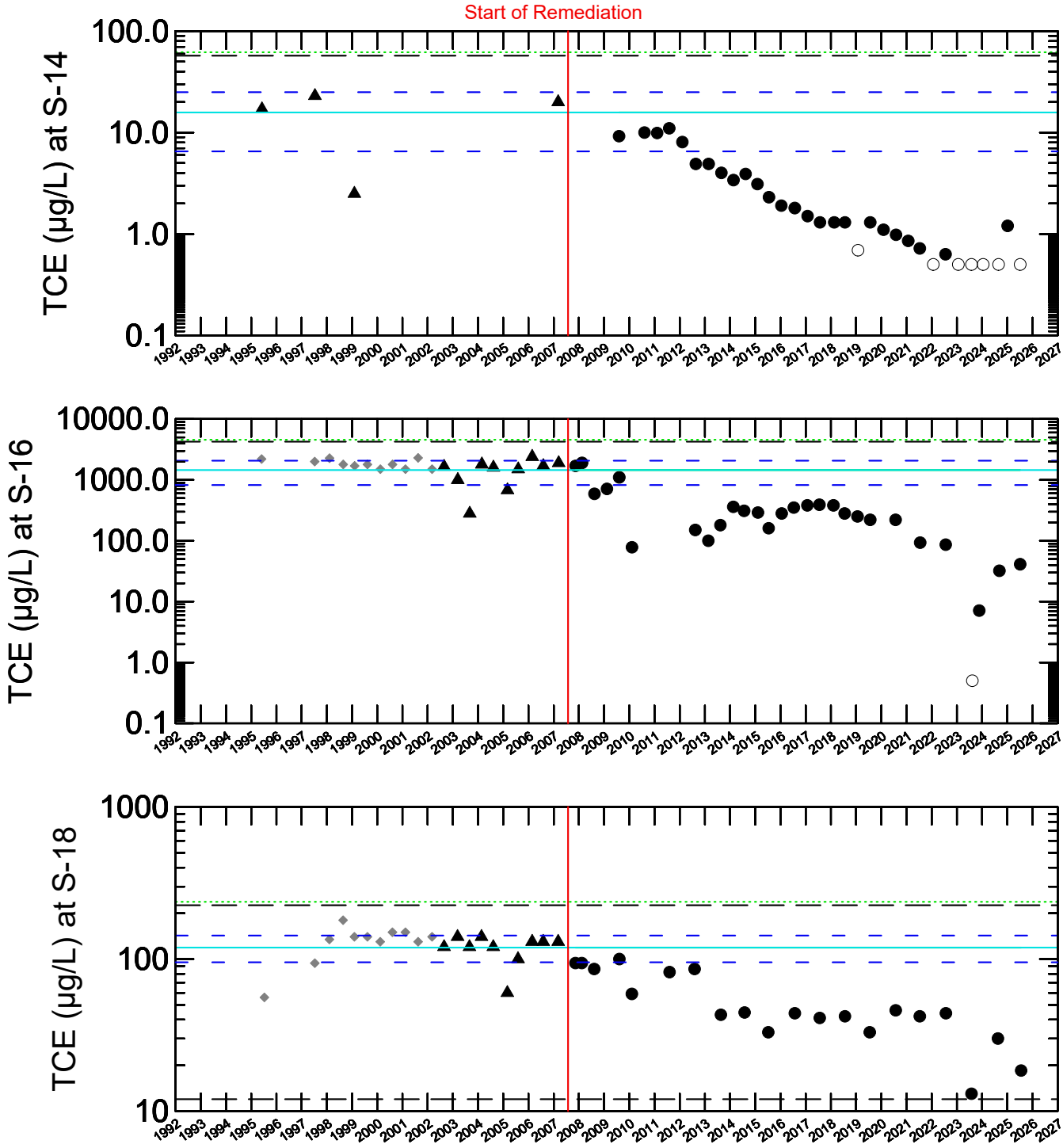
FIGURE 3



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Evaluation of Trichloroethene (TCE) in Groundwater
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SHALLOW GROUNDWATER ZONE (SGZ) WELLS
INTRA-WELL SHEWHART-CUSUM CONTROL CHART

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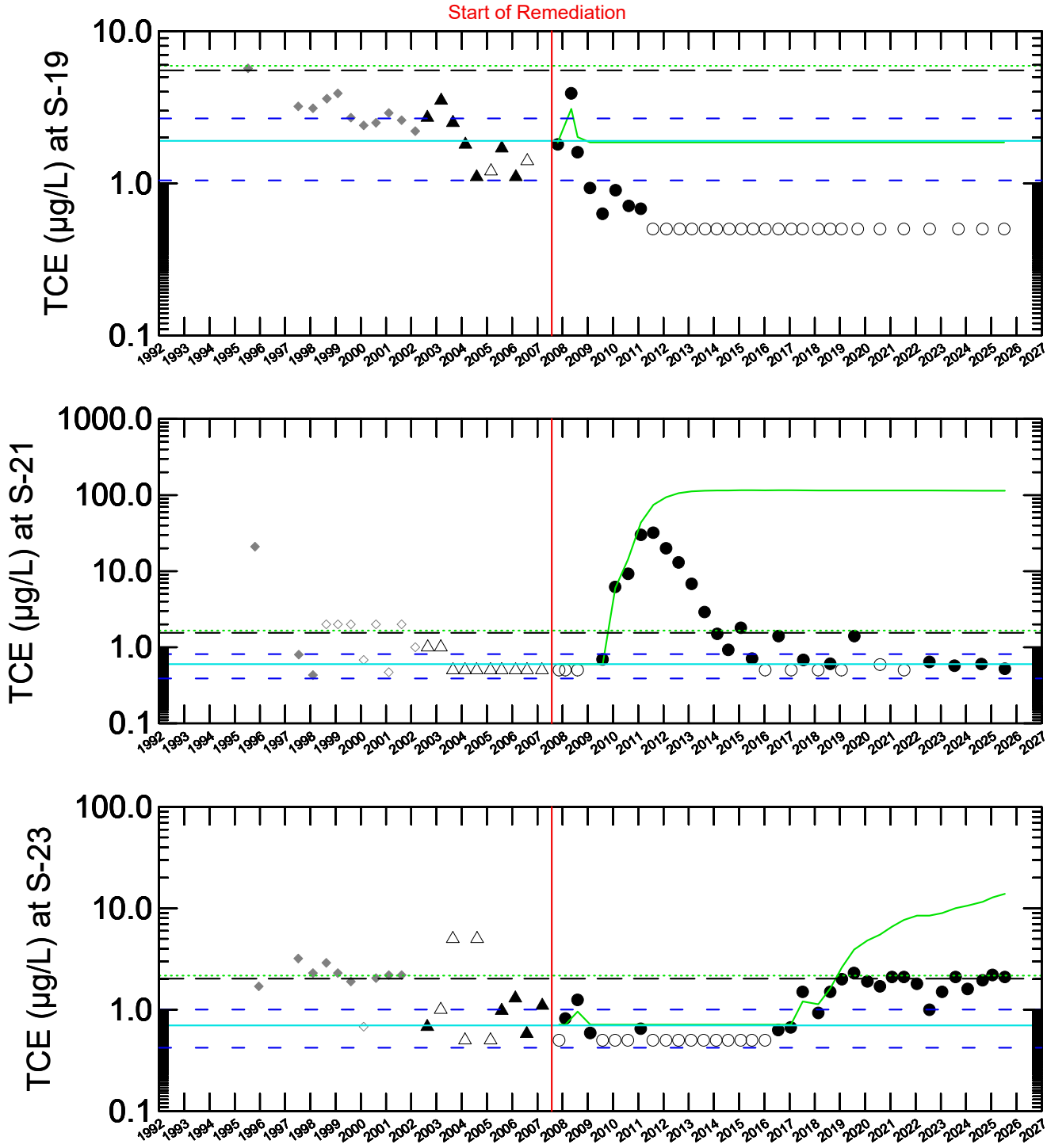
FIGURE 4



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Evaluation of Trichloroethene (TCE) in Groundwater
TIAA Superfund Site - Airport Property
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SHALLOW GROUNDWATER ZONE (SGZ) WELLS
INTRA-WELL SHEWHART-CUSUM CONTROL CHART

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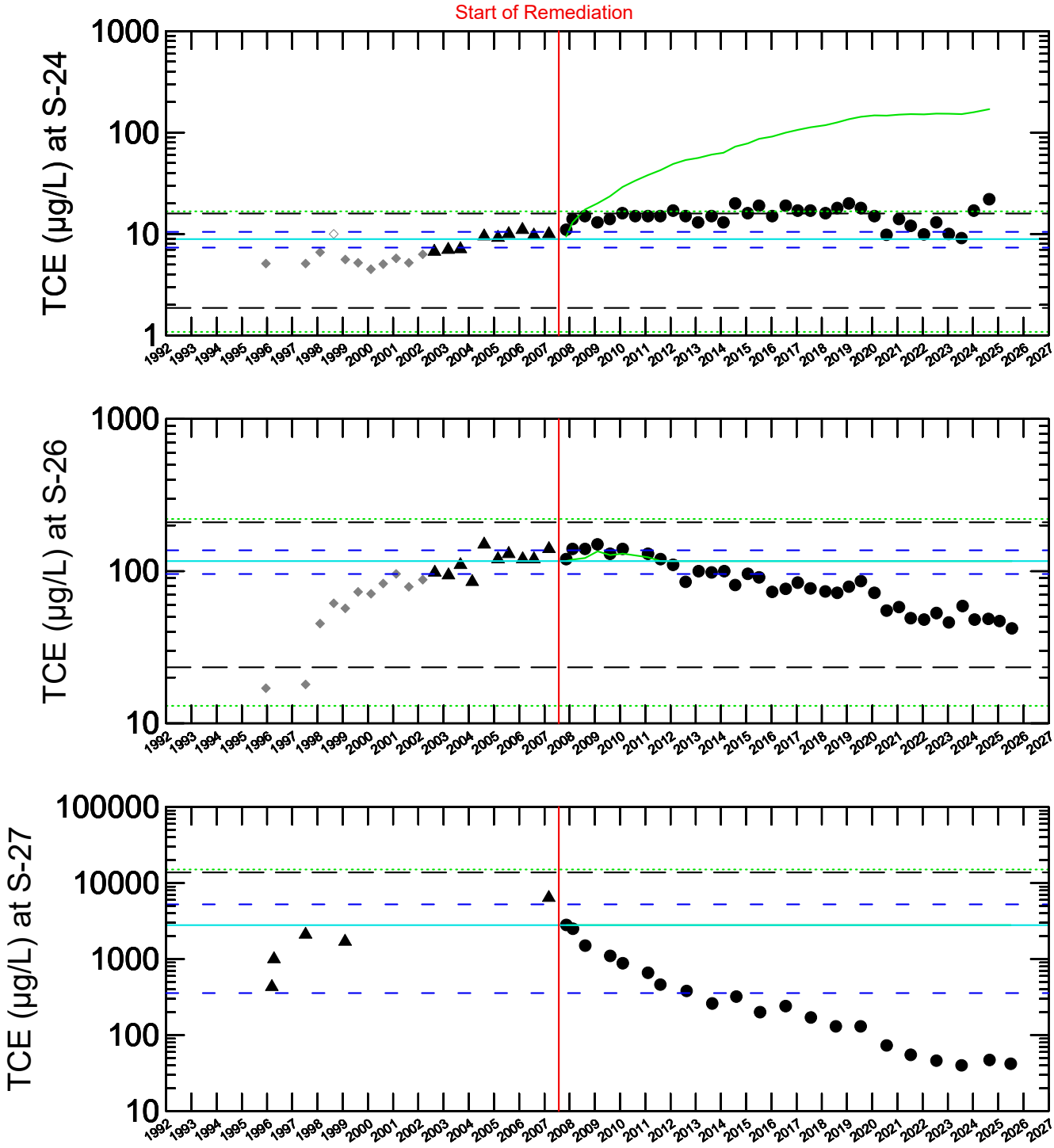
FIGURE 5



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SHALLOW GROUNDWATER ZONE (SGZ) WELLS
INTRA-WELL SHEWHART-CUSUM CONTROL CHART

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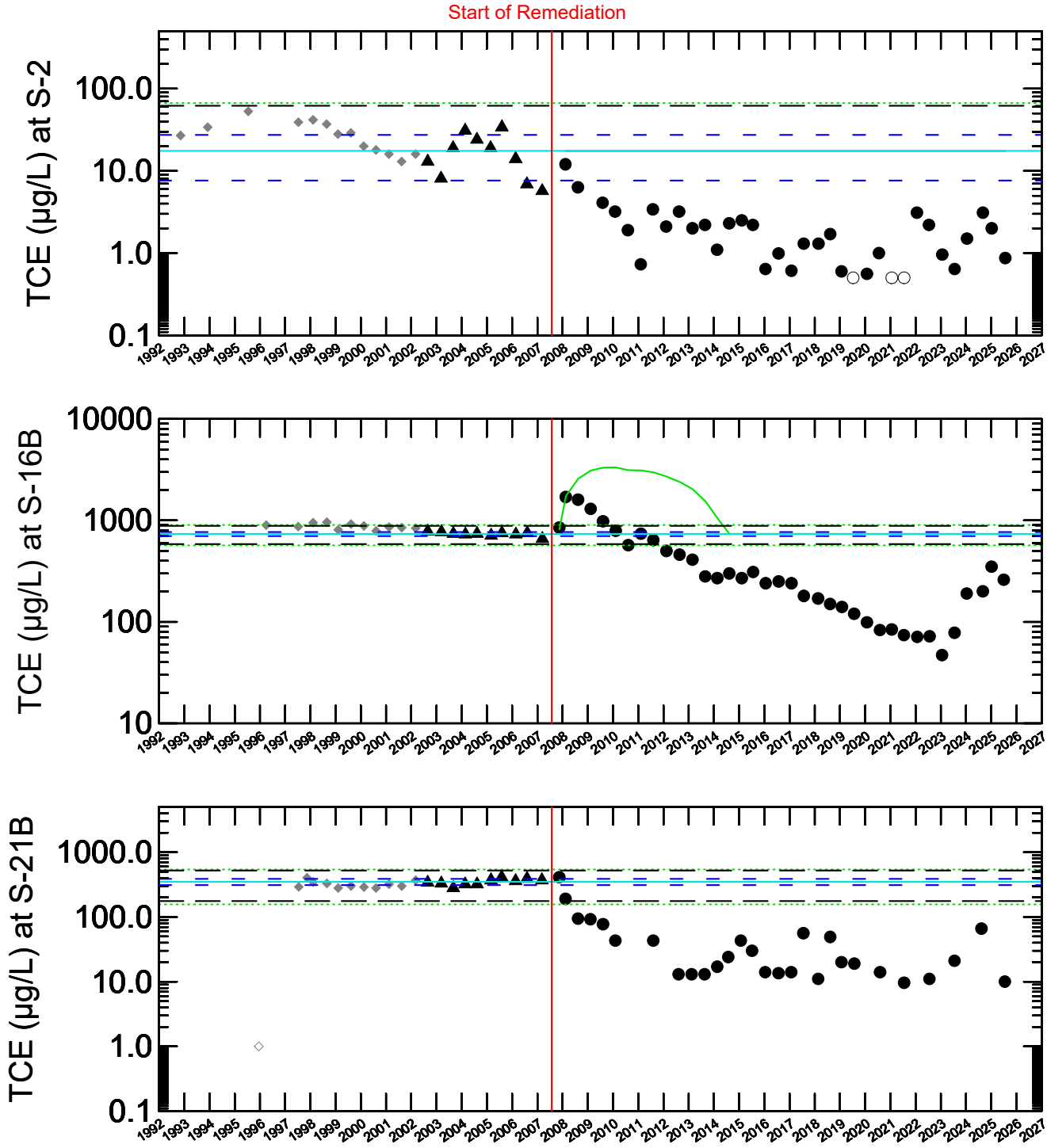
FIGURE 6



Legend:

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Evaluation of Trichloroethene (TCE) in Groundwater
TIAA Superfund Site - Airport Property
Tucson, Arizona

GRAVEL SUBUNIT WELLS
INTRA-WELL SHEWHART-CUSUM CONTROL CHART

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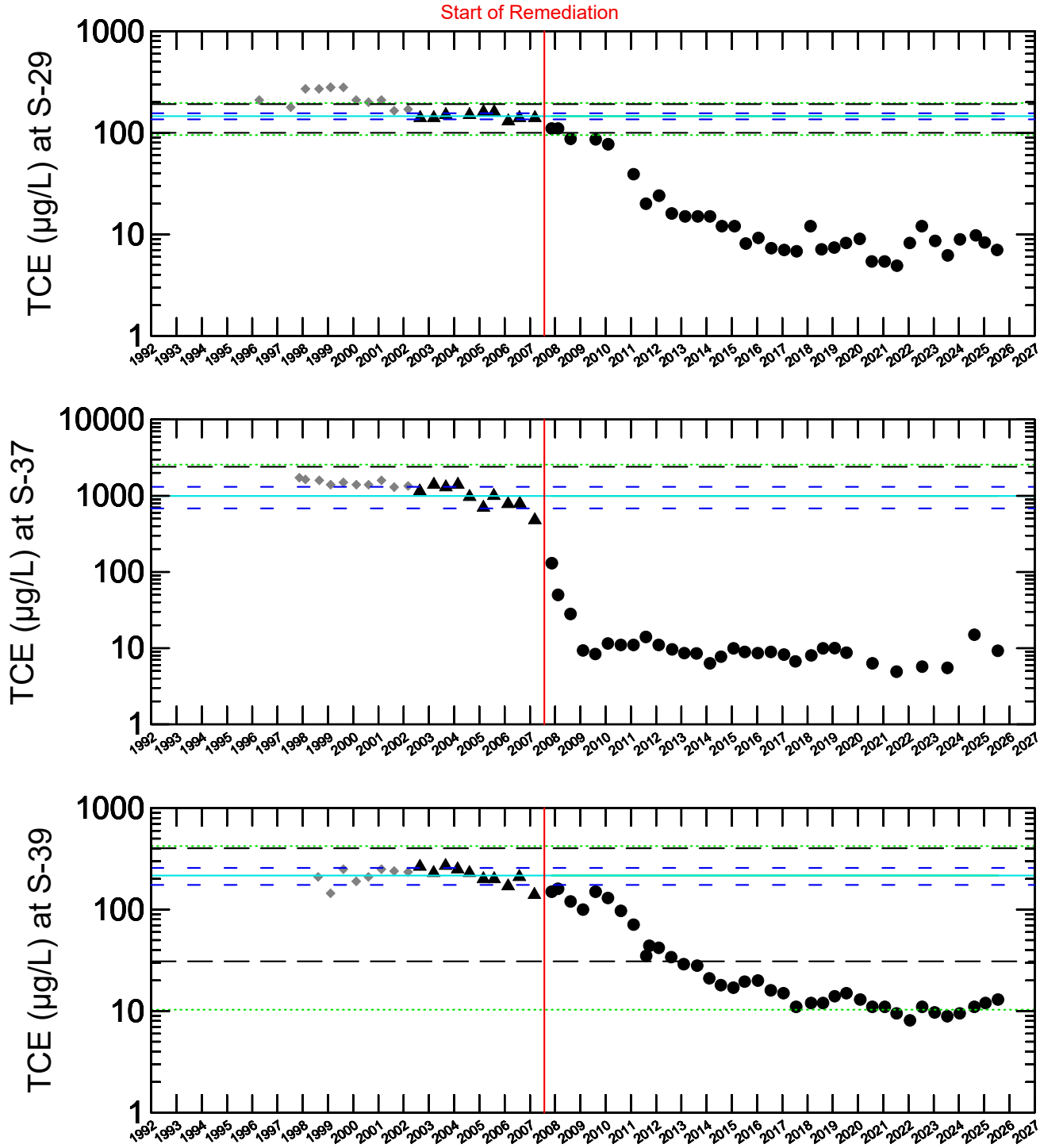
FIGURE 7



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Evaluation of Trichloroethene (TCE) in Groundwater
TIAA Superfund Site - Airport Property
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GRAVEL SUBUNIT WELLS
INTRA-WELL SHEWHART-CUSUM CONTROL CHART

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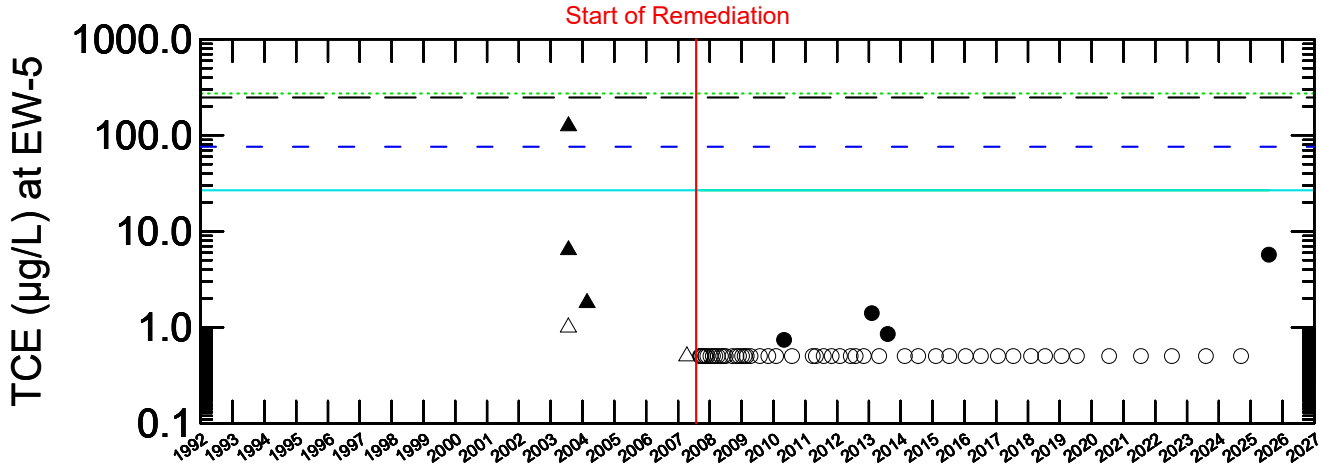
FIGURE 8



Legend:

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Evaluation of Trichloroethene (TCE) in Groundwater
TIAA Superfund Site - Airport Property
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GRAVEL SUBUNIT WELLS
INTRA-WELL SHEWHART-CUSUM CONTROL CHART

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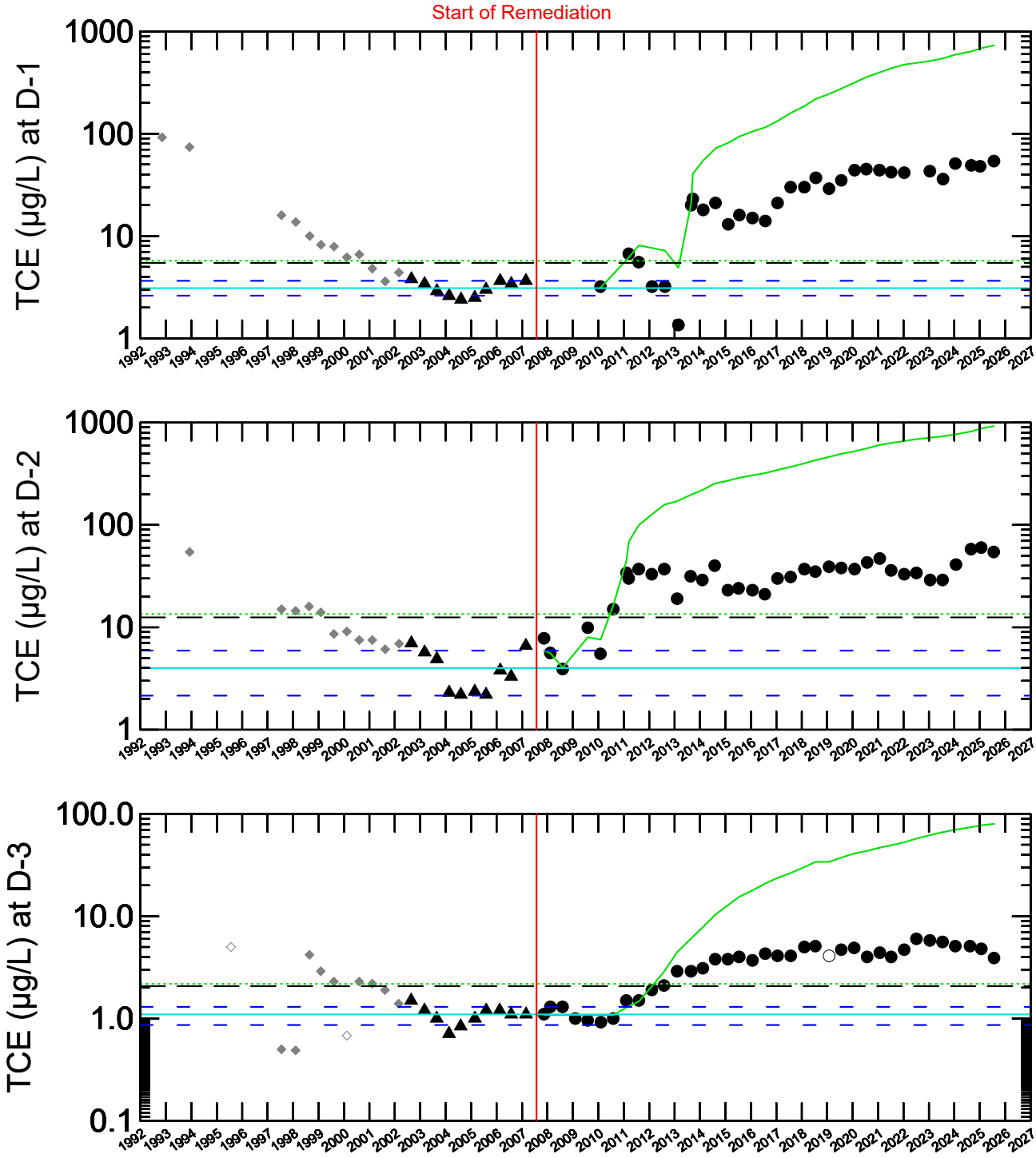
FIGURE 9



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GHD

Evaluation of Trichloroethene (TCE) in Groundwater
TIAA Superfund Site - Airport Property
Tucson, Arizona

REGIONAL AQUIFER WELLS
INTRA-WELL SHEWHART-CUSUM CONTROL CHART

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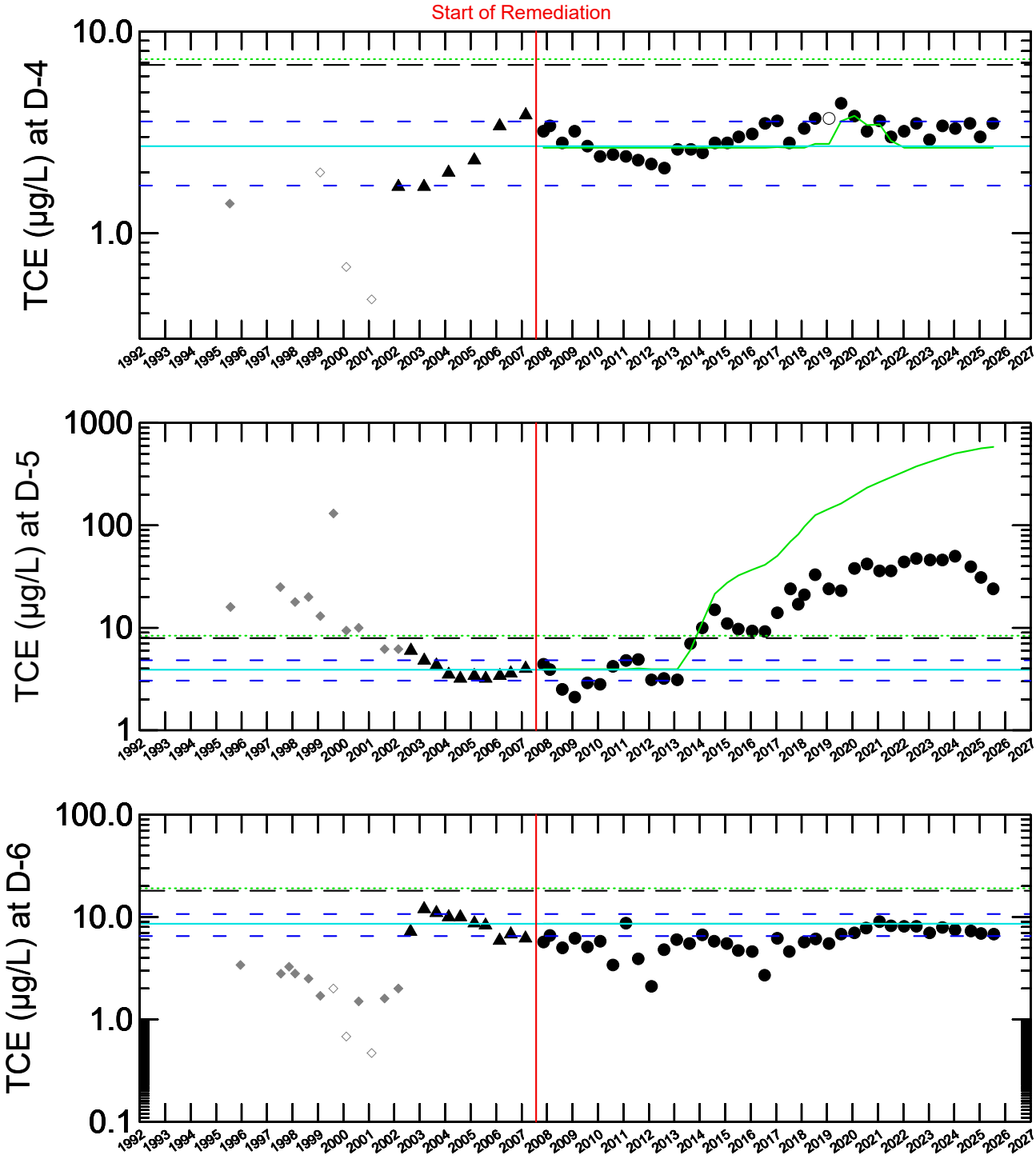
FIGURE 10



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GHD

Evaluation of Trichloroethene (TCE) in Groundwater
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REGIONAL AQUIFER WELLS
INTRA-WELL SHEWHART-CUSUM CONTROL CHART

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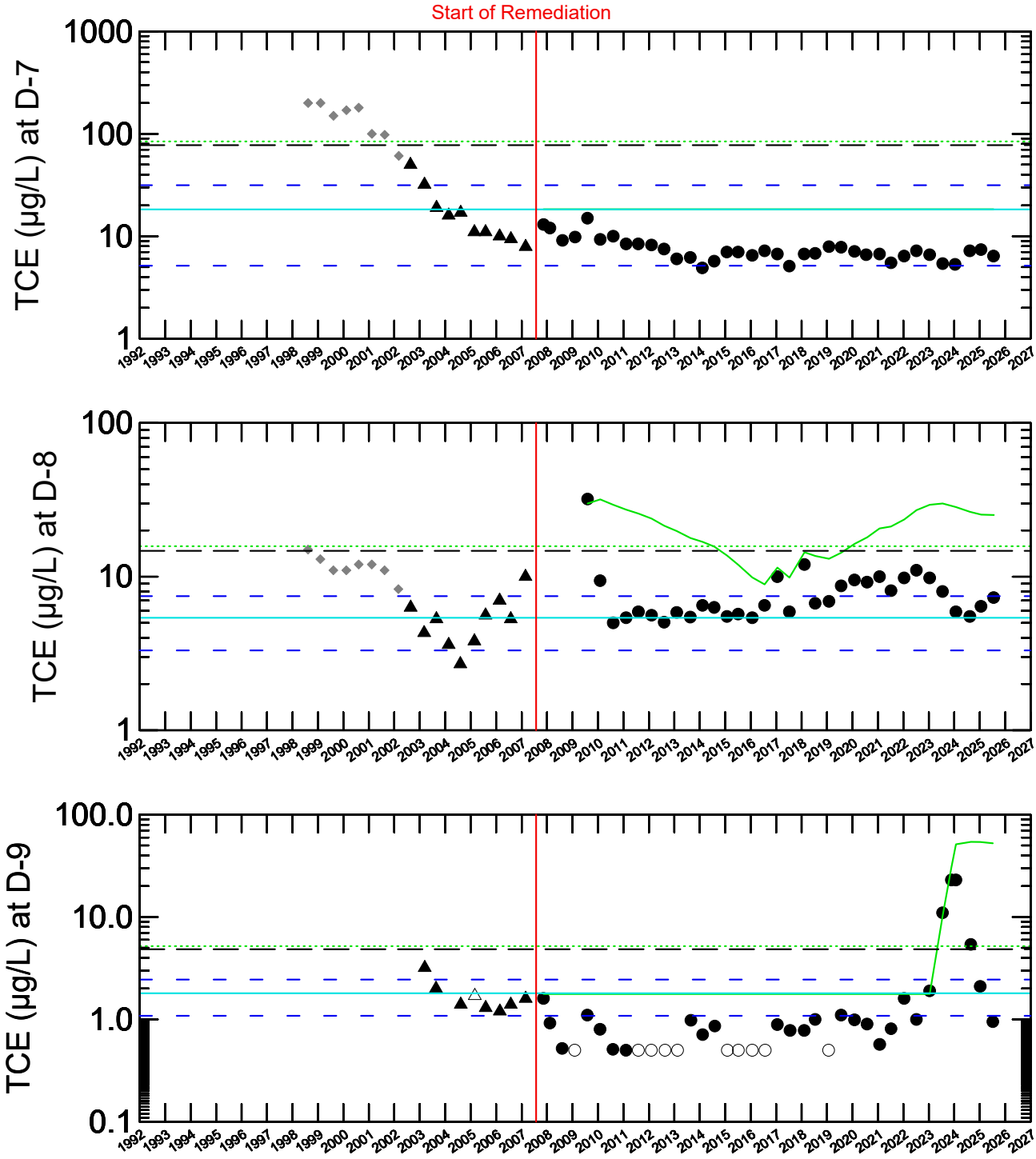
FIGURE 11



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GHD

Evaluation of Trichloroethene (TCE) in Groundwater
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REGIONAL AQUIFER WELLS
INTRA-WELL SHEWHART-CUSUM CONTROL CHART

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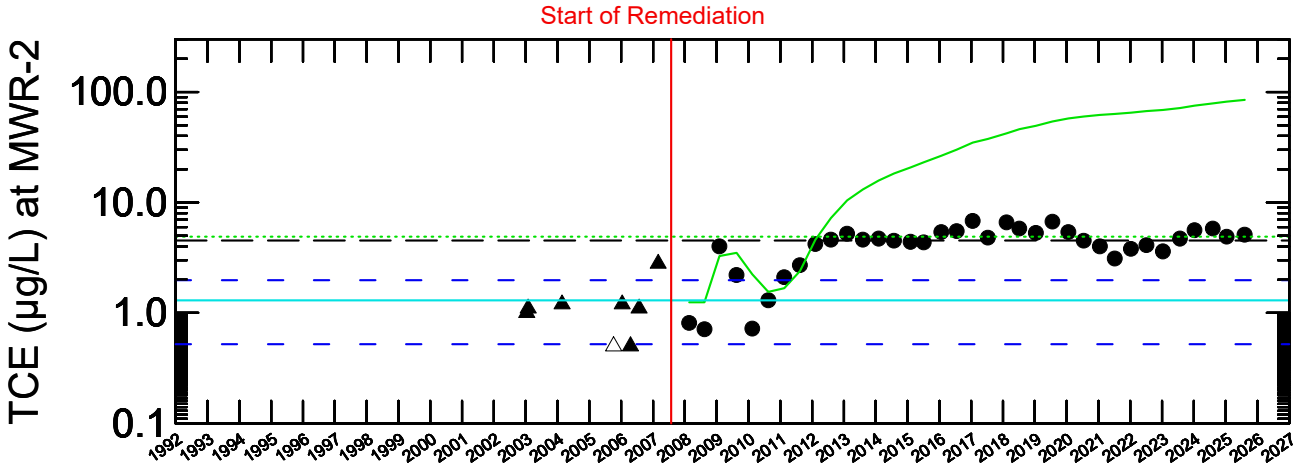
FIGURE 12



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Evaluation of Trichloroethene (TCE) in Groundwater
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REGIONAL AQUIFER WELLS
INTRA-WELL SHEWHART-CUSUM CONTROL CHART

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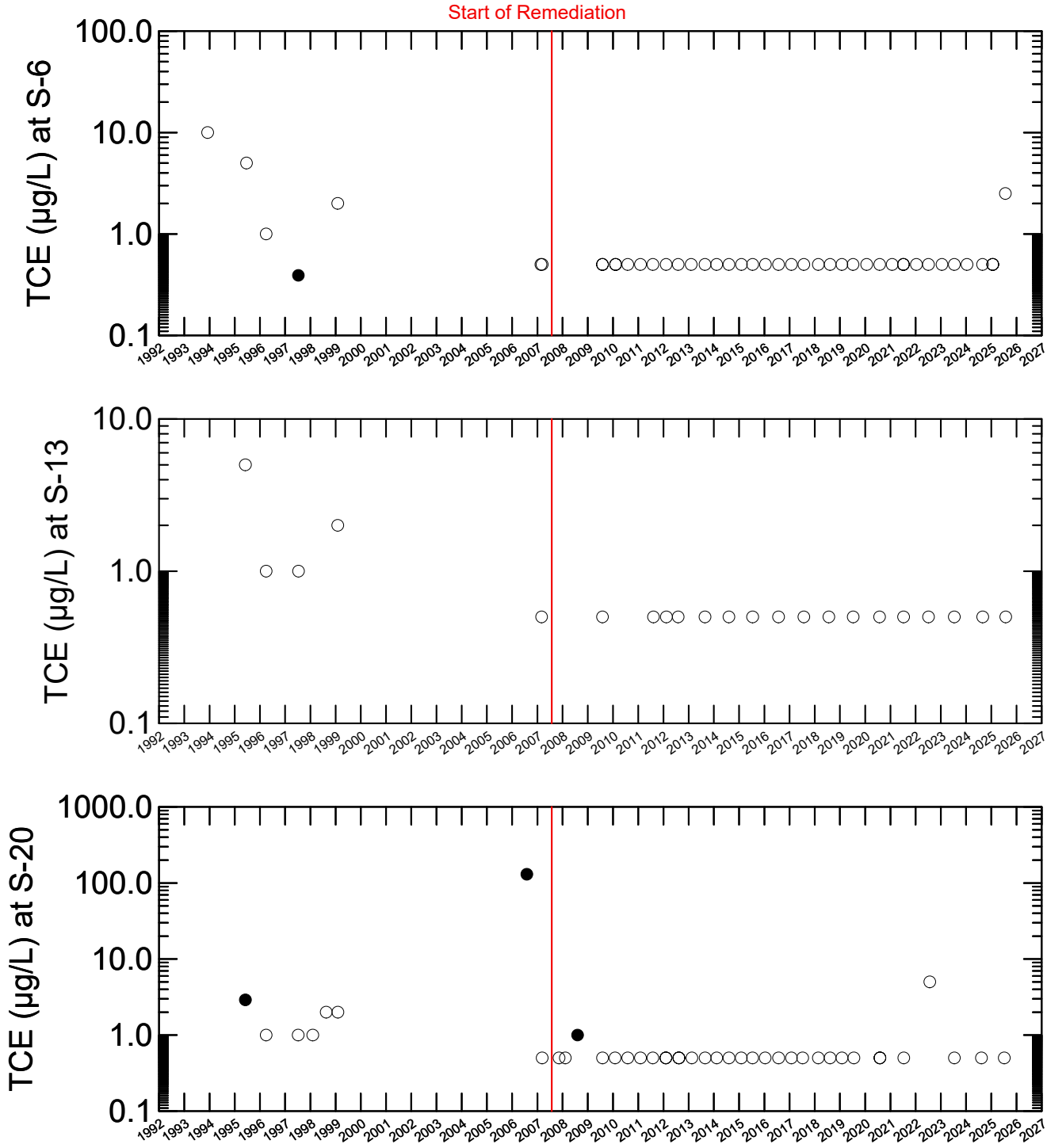
FIGURE 13



Legend:

● Detected result

○ Non-detect (plotted at detection limit)

Evaluation of Trichloroethene (TCE) in Groundwater
TIAA Superfund Site - Airport Property
Tucson, Arizona

SHALLOW GROUNDWATER ZONE (SGZ) WELLS CONCENTRATION vs. TIME

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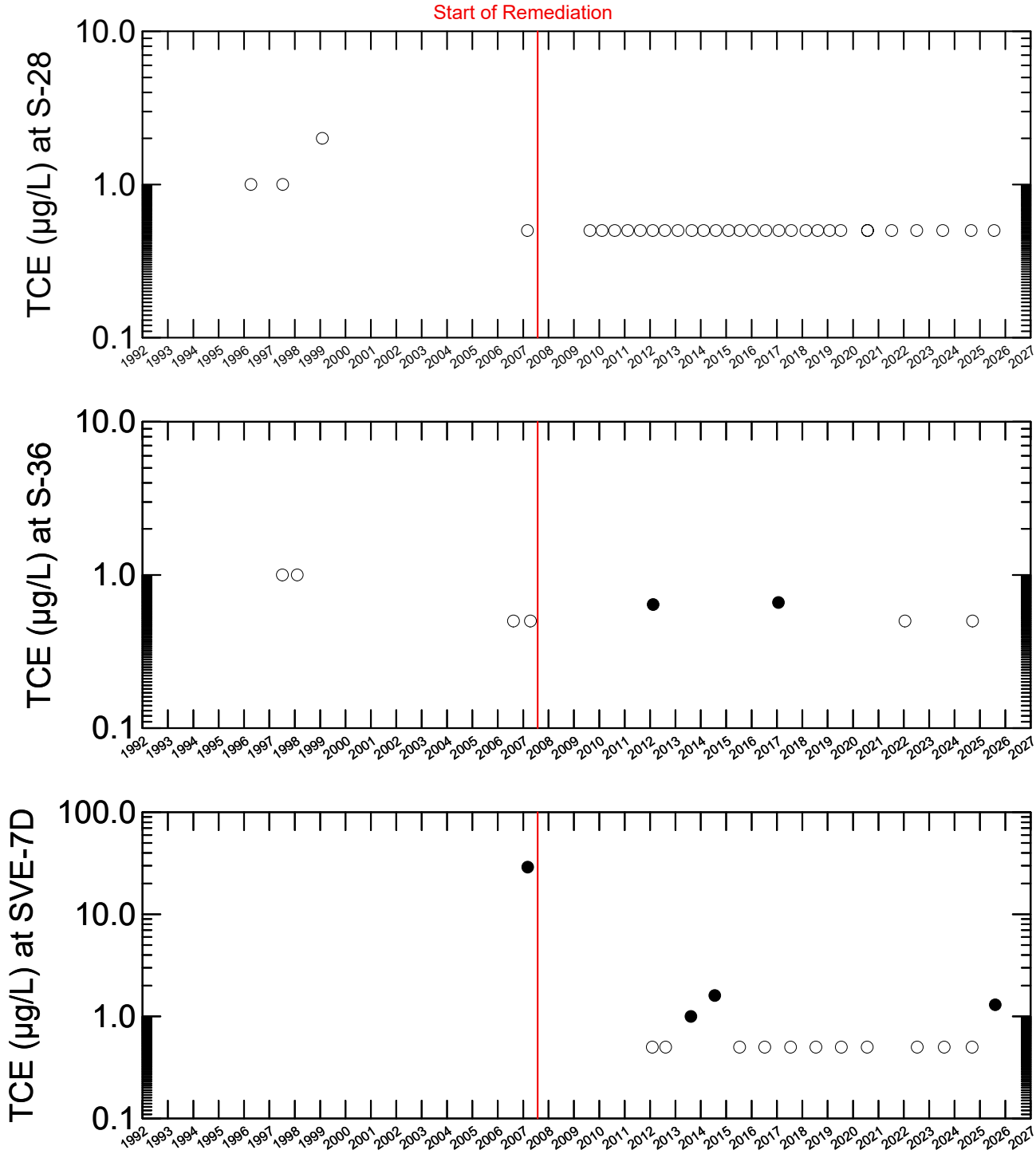
FIGURE 14



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Evaluation of Trichloroethene (TCE) in Groundwater
TIAA Superfund Site - Airport Property
Tucson, Arizona

SHALLOW GROUNDWATER ZONE (SGZ) WELLS CONCENTRATION vs. TIME

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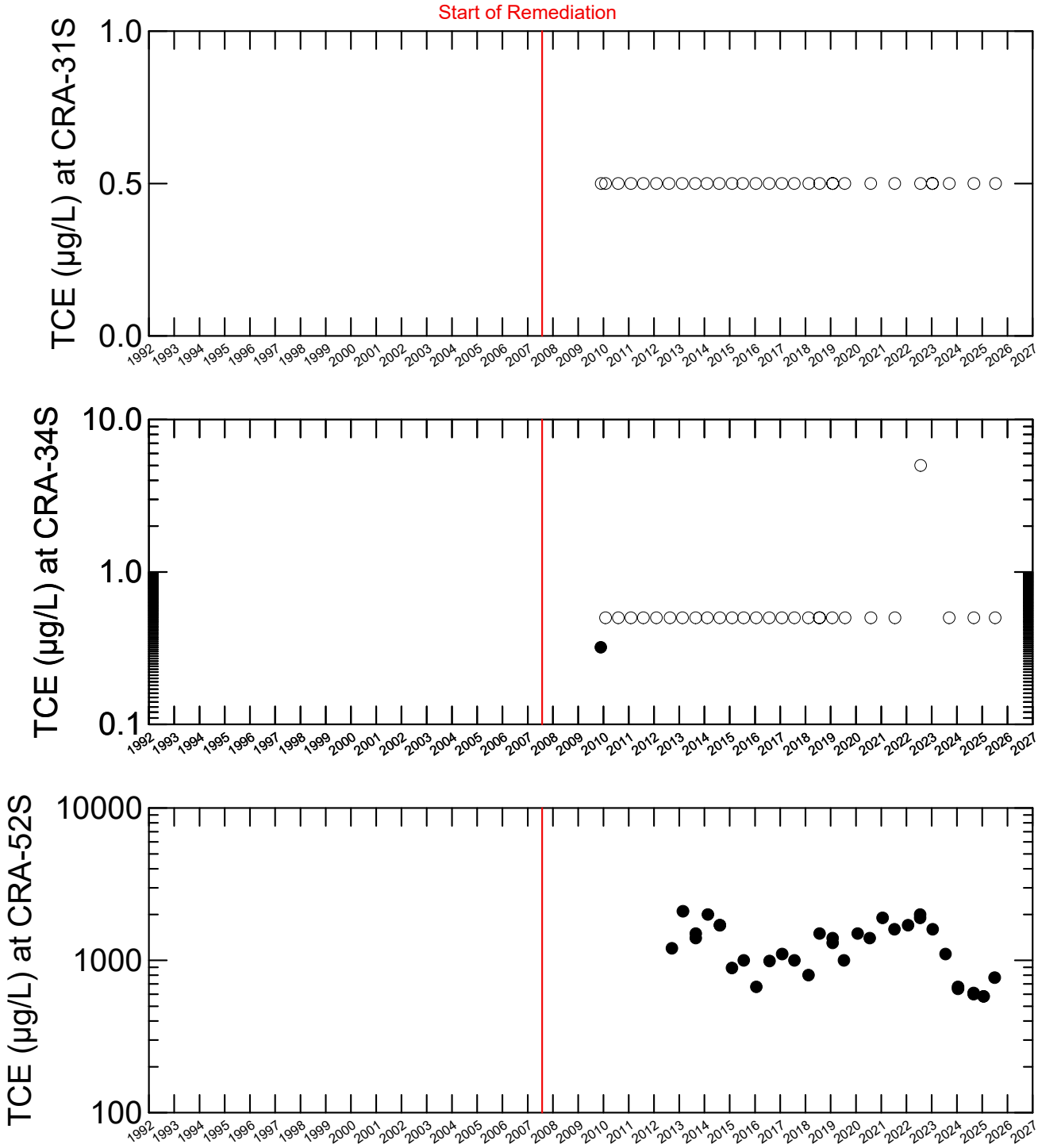
FIGURE 15



Legend:

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○ Non-detect (plotted at detection limit)

Evaluation of Trichloroethene (TCE) in Groundwater
TIAA Superfund Site - Airport Property
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SHALLOW GROUNDWATER ZONE (SGZ) WELLS CONCENTRATION vs. TIME

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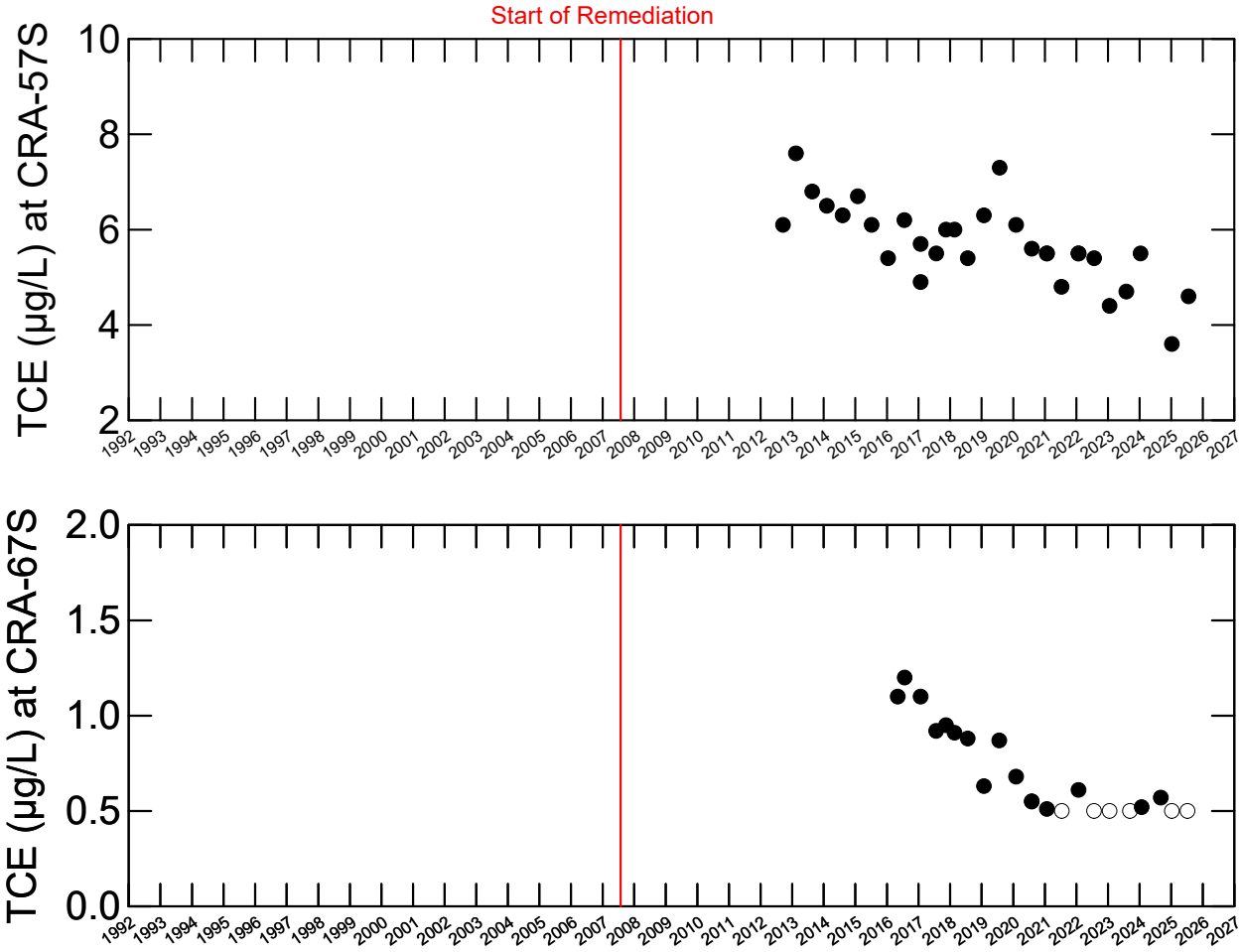
FIGURE 16



Legend:

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○ Non-detect (plotted at detection limit)

Evaluation of Trichloroethene (TCE) in Groundwater
TIAA Superfund Site - Airport Property
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SHALLOW GROUNDWATER ZONE (SGZ) WELLS CONCENTRATION vs. TIME

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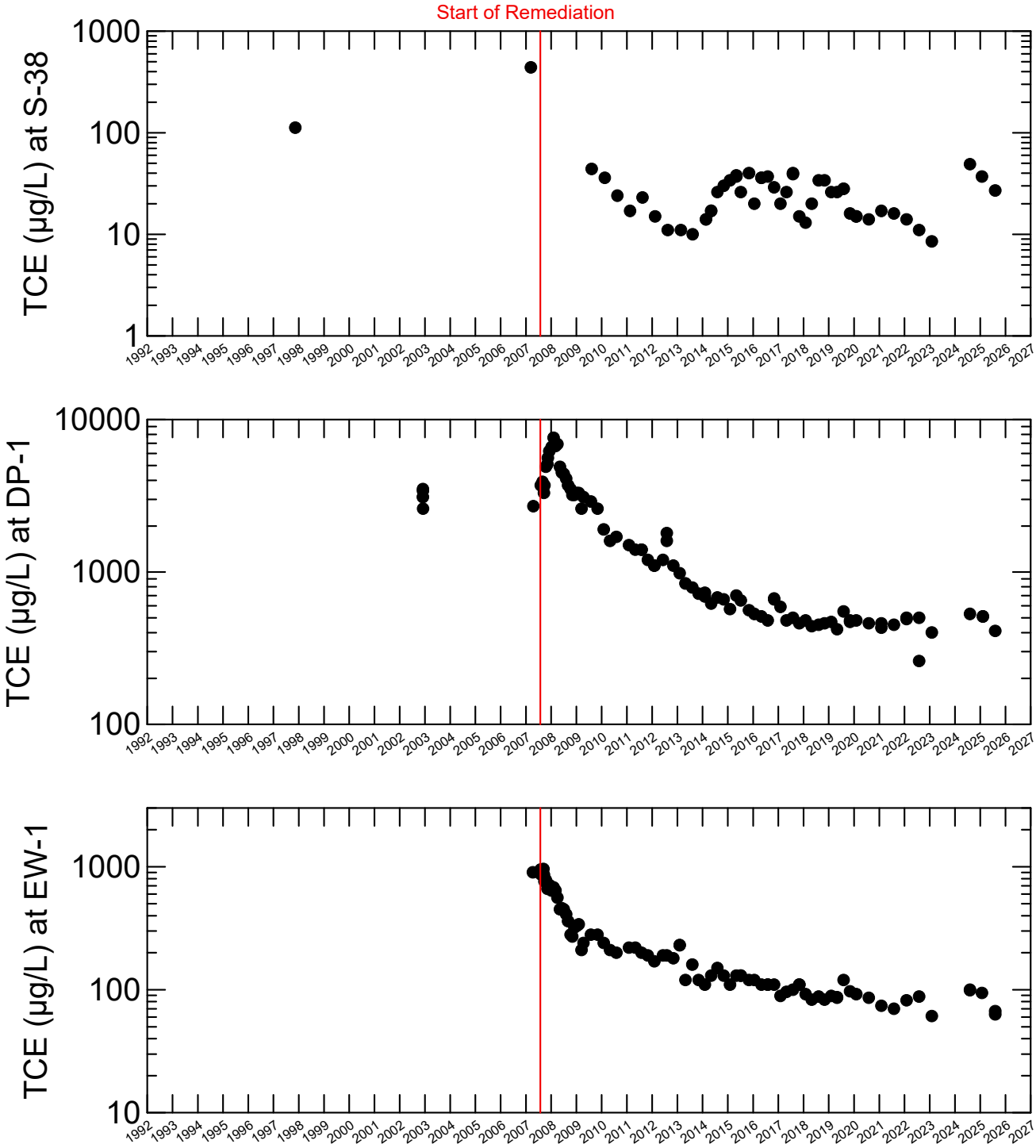
FIGURE 17



Legend:

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Evaluation of Trichloroethene (TCE) in Groundwater
TIAA Superfund Site - Airport Property
Tucson, Arizona

GRAVEL SUBUNIT WELLS
CONCENTRATION vs. TIME

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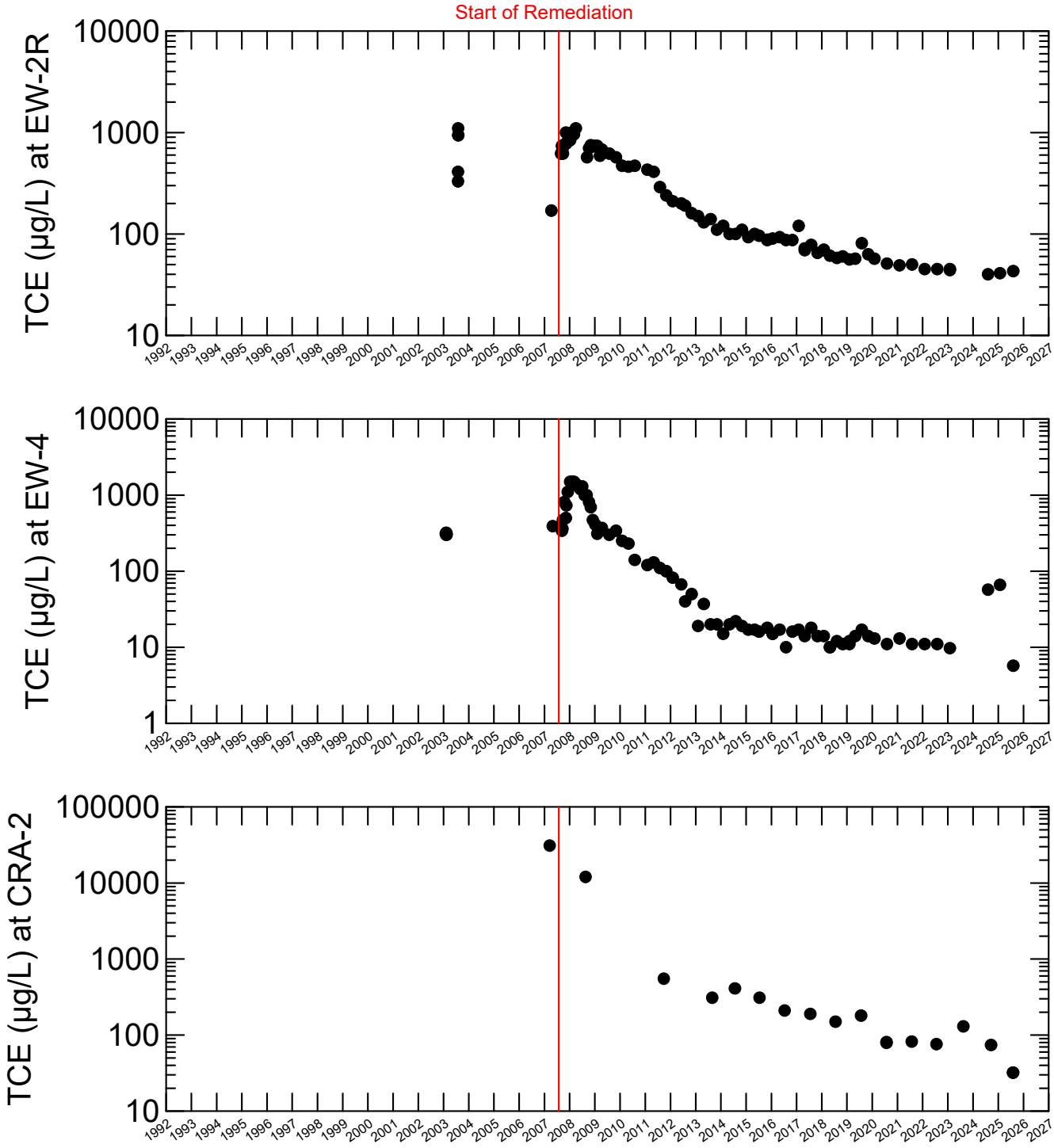
FIGURE 18



Legend:

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○ Non-detect (plotted at detection limit)

Evaluation of Trichloroethene (TCE) in Groundwater
TIAA Superfund Site - Airport Property
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GRAVEL SUBUNIT WELLS
CONCENTRATION vs. TIME

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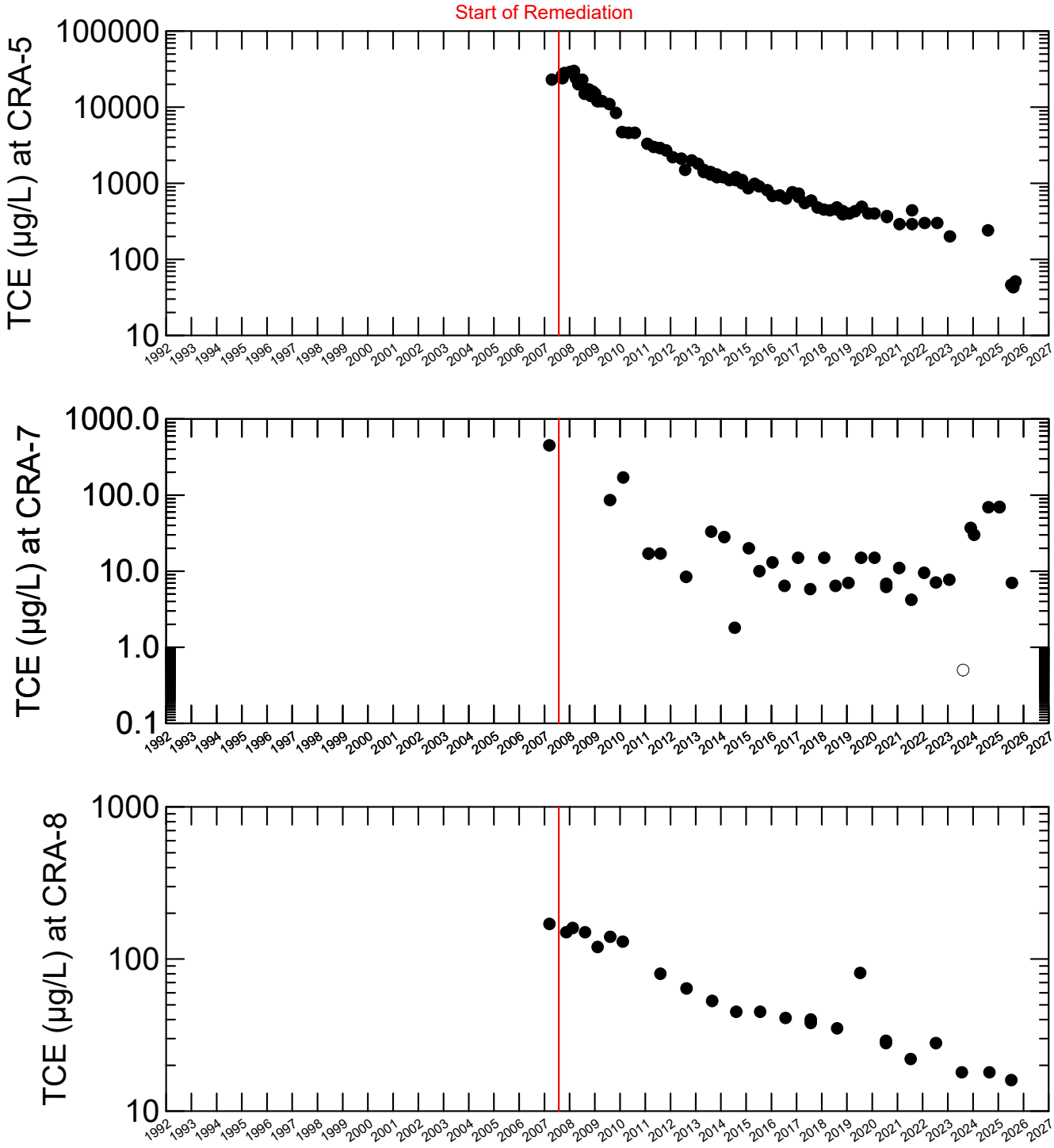
FIGURE 19



Legend:

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Evaluation of Trichloroethene (TCE) in Groundwater
TIAA Superfund Site - Airport Property
Tucson, Arizona

GRAVEL SUBUNIT WELLS
CONCENTRATION vs. TIME

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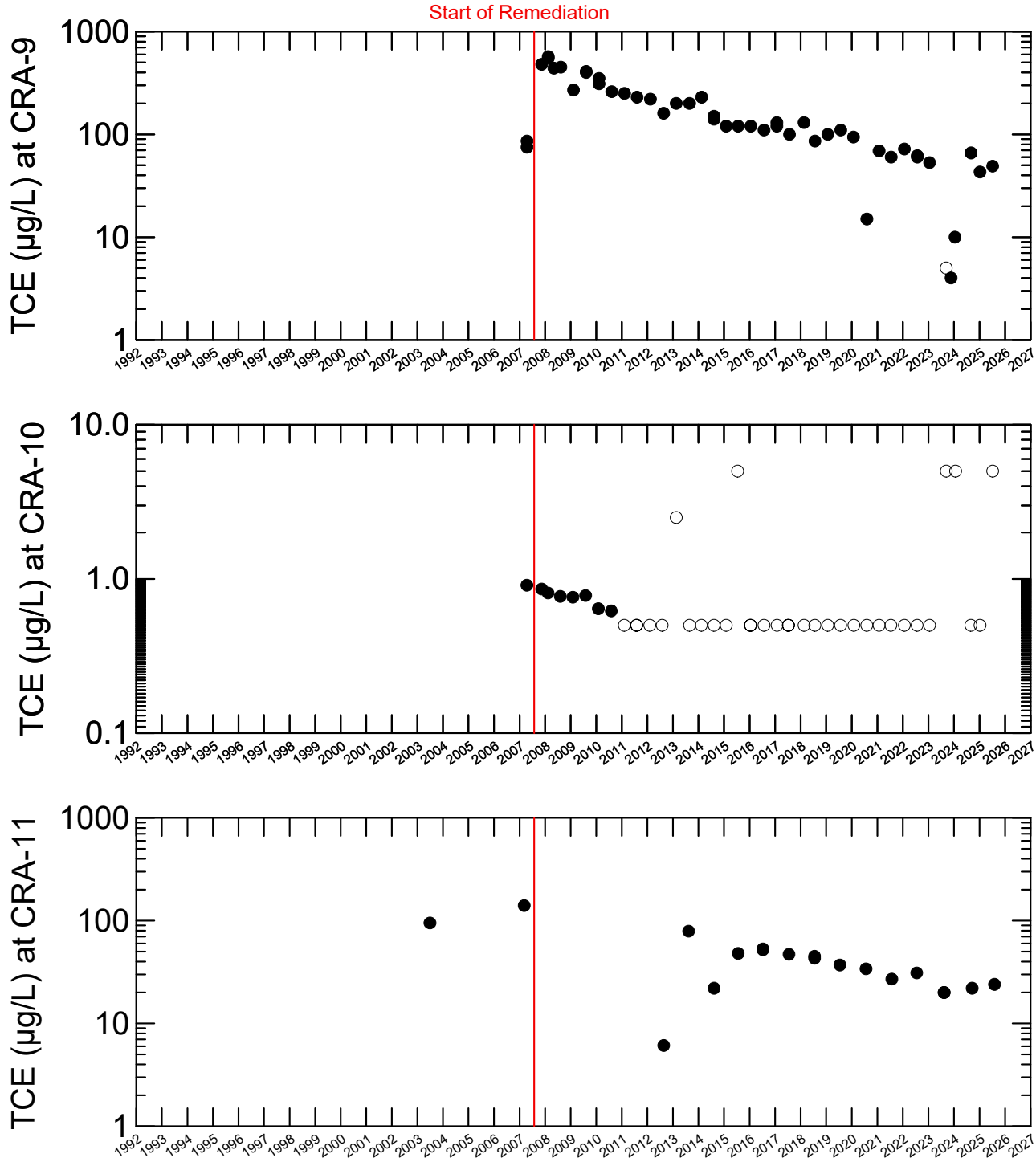
FIGURE 20



Legend:

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Evaluation of Trichloroethene (TCE) in Groundwater
TIAA Superfund Site - Airport Property
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GRAVEL SUBUNIT WELLS
CONCENTRATION vs. TIME

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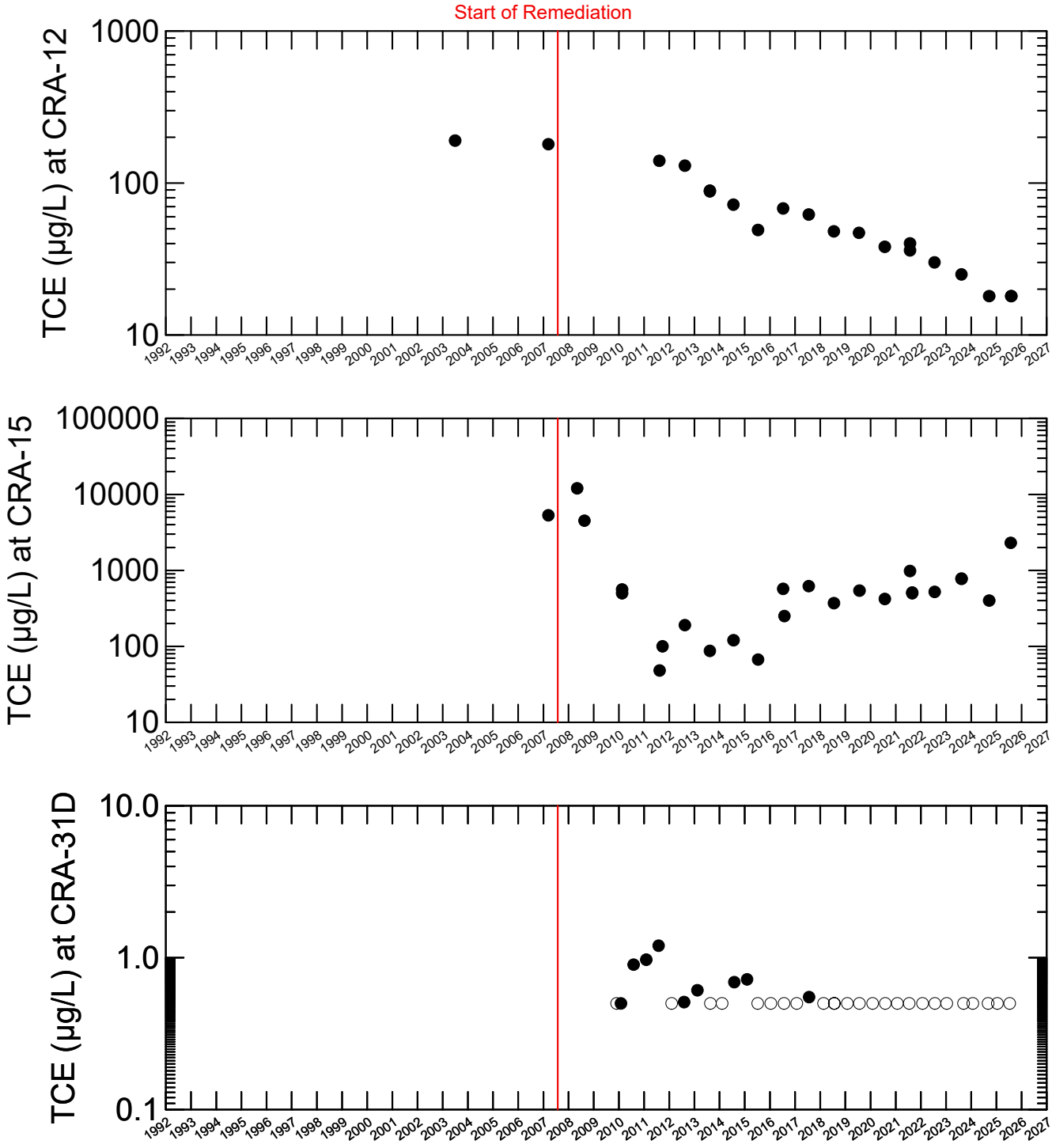
FIGURE 21



Legend:

● Detected result

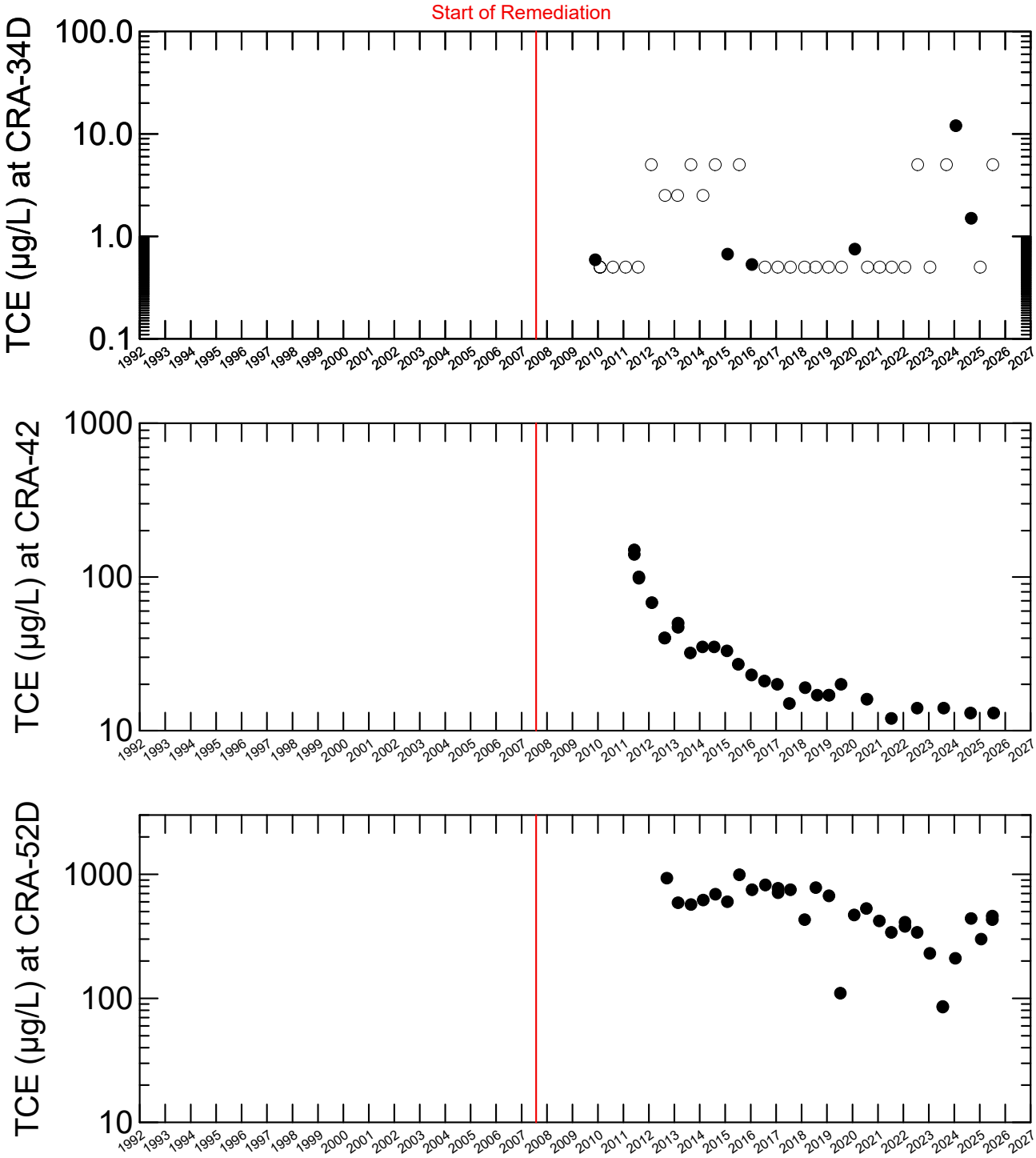
○ Non-detect (plotted at detection limit)

Evaluation of Trichloroethene (TCE) in Groundwater
TIAA Superfund Site - Airport Property
Tucson, Arizona

GRAVEL SUBUNIT WELLS
CONCENTRATION vs. TIME

Project No. **12619196**
Date: **Oct 15, 2025**

FIGURE 22



Legend:

● Detected result

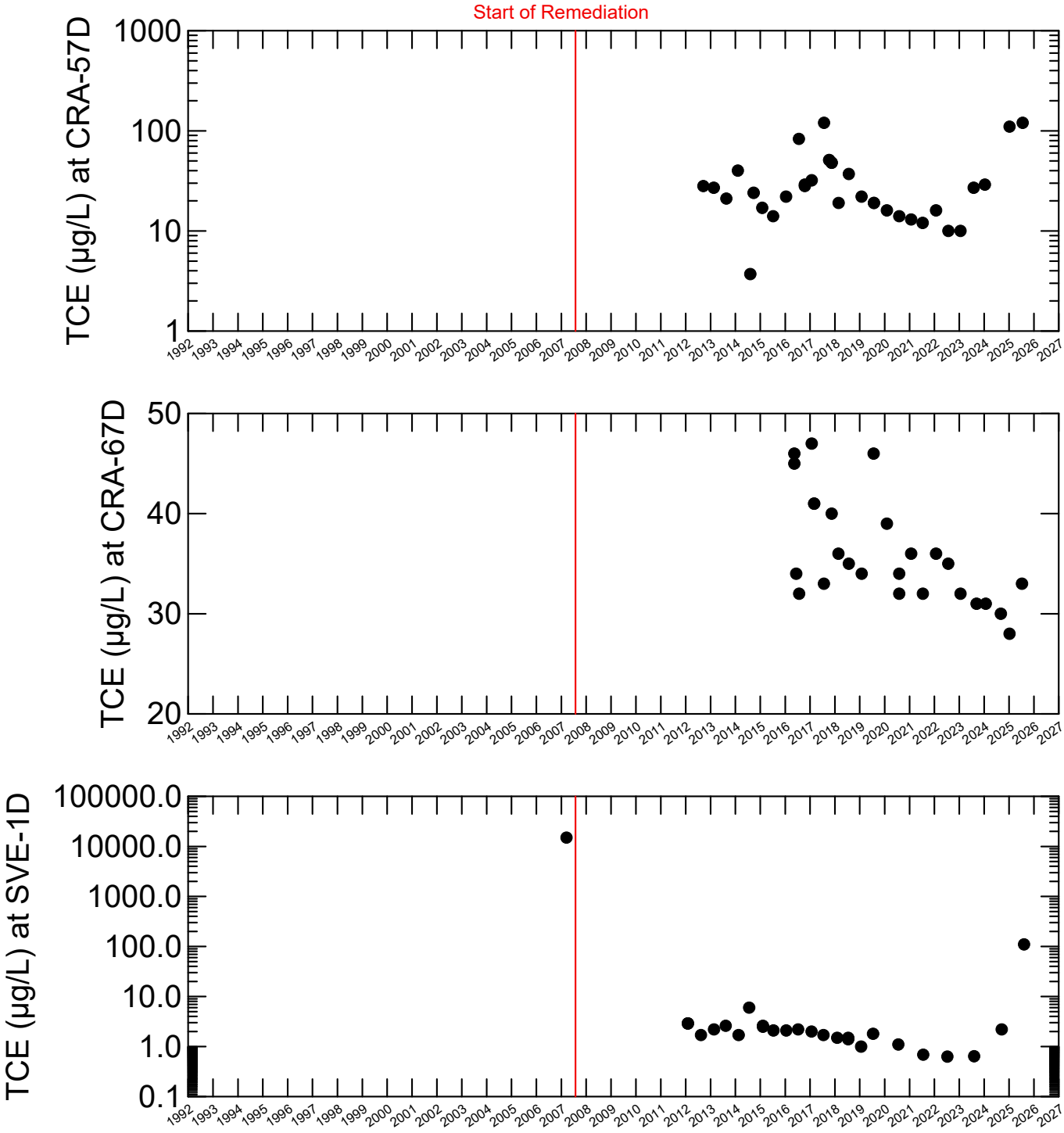
○ Non-detect (plotted at detection limit)

Evaluation of Trichloroethene (TCE) in Groundwater
TIAA Superfund Site - Airport Property
Tucson, Arizona

GRAVEL SUBUNIT WELLS
CONCENTRATION vs. TIME

Project No. **12619196**
Date: **Oct 15, 2025**

FIGURE 23



Legend:

● Detected result

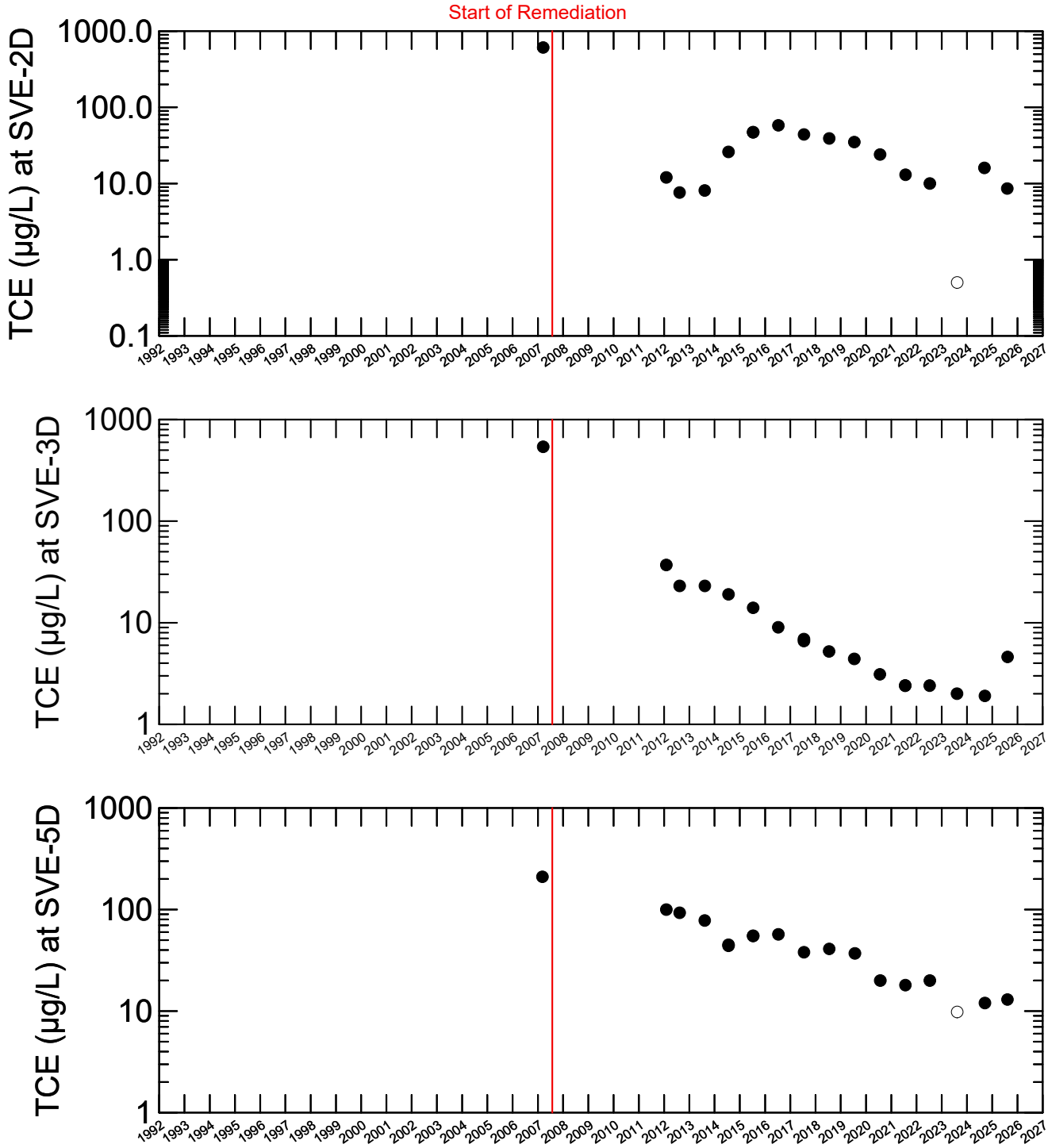
○ Non-detect (plotted at detection limit)

Evaluation of Trichloroethene (TCE) in Groundwater
TIAA Superfund Site - Airport Property
Tucson, Arizona

GRAVEL SUBUNIT WELLS
CONCENTRATION vs. TIME

Project No. **12619196**
Date: **Oct 15, 2025**

FIGURE 24



Legend:

● Detected result

○ Non-detect (plotted at detection limit)

Evaluation of Trichloroethene (TCE) in Groundwater
TIAA Superfund Site - Airport Property
Tucson, Arizona

GRAVEL SUBUNIT WELLS
CONCENTRATION vs. TIME

Project No. **12619196**
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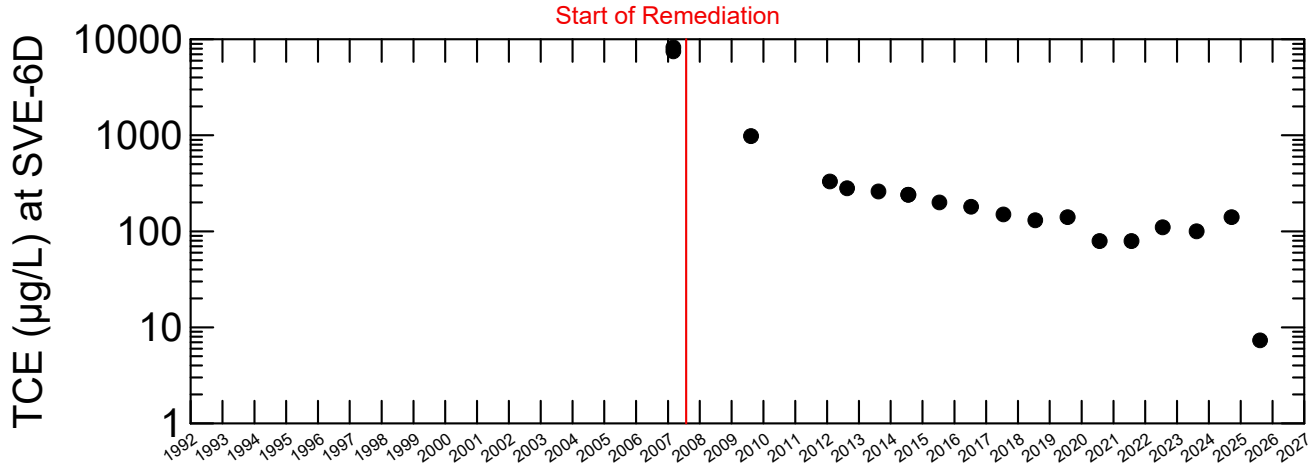
FIGURE 25



Legend:

● Detected result

○ Non-detect (plotted at detection limit)

Evaluation of Trichloroethene (TCE) in Groundwater
TIAA Superfund Site - Airport Property
Tucson, Arizona

GRAVEL SUBUNIT WELLS
CONCENTRATION vs. TIME

Project No. **12619196**
Date: **Oct 15, 2025**

FIGURE 26

Tables

Table 1

Trend Test Results for Trichloroethene (TCE) in the Shallow Groundwater Zone (SGZ) Wells
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well	Current Sampling Frequency	TCE (µg/L) - Overall Trend Test									TCE (µg/L) - Recent (last 5 years) Trend Test							
						Mann-Kendall Trend Test			Regression	Seasonal Test					Mann-Kendall Trend Test			Seasonal Test
		Date Range	N	N of D	% ND	S	P	Conclusion	Conclusion	Conclusion	Date Range	N	N of D	% ND	S	P	Conclusion	Conclusion
S-1	Annual	11/1992 - 7/2025	52	52	0%	-1110	2E-18	Decreasing	--	Decreasing	7/2016 - 7/2025	10	10	0%	-35	0.002	Decreasing	--
S-3	Semi-Annual	11/1992 - 7/2025	39	37	5%	-339	4E-05	Decreasing	Decreasing	Decreasing	1/2021 - 7/2025	9	9	0%	-16	0.118	No trend	No trend
S-4	Annual	11/1992 - 7/2025	43	43	0%	-785	2E-16	Decreasing	--	Decreasing	7/2016 - 7/2025	10	10	0%	-43	2E-04	Decreasing	--
S-5	Semi-Annual	11/1992 - 7/2025	35 ‡	27	23%	-276	8E-05	Decreasing	Decreasing	Decreasing	1/2021 - 7/2025	9 ‡	9	0%	8	0.466	No trend	No trend
S-6	Semi-Annual	12/1993 - 7/2025	40	1	98%	--	--	<4 detects	--	<4 detects	1/2021 - 7/2025	10	0	100%	--	--	100% ND	100% ND
S-7	Annual	12/1993 - 7/2025	34	27	21%	-389	7E-09	Decreasing	--	Decreasing	7/2016 - 7/2025	10	4	60%	-28	0.006	Decreasing	--
S-9	Semi-Annual	12/1993 - 7/2025	49 ‡	49	0%	-228	0.050	Decreasing	--	Decreasing	1/2021 - 7/2025	9 ‡	9	0%	12	0.251	No trend	No trend
S-10	Annual	6/1995 - 7/2025	31	31	0%	-404	7E-12	Decreasing	Decreasing	Decreasing	7/2016 - 7/2025	10	10	0%	-33	0.004	Decreasing	--
S-11	Semi-Annual	6/1995 - 7/2025	40	34	15%	-581	1E-11	Decreasing	Decreasing	Decreasing	1/2021 - 7/2025	10	6	40%	-30	0.007	Decreasing	<4 detects
S-12	Annual	6/1995 - 7/2025	51	51	0%	-739	2E-09	Decreasing	--	Decreasing	7/2016 - 7/2025	10	10	0%	-12	0.323	No trend	--
S-13	Annual	6/1995 - 7/2025	22	0	100%	--	--	100% ND	--	100% ND	7/2016 - 7/2025	10	0	100%	--	--	100% ND	--
S-14	Semi-Annual	6/1995 - 7/2025	35 ‡	29	17%	-511	4E-13	Decreasing	Decreasing	Decreasing	1/2021 - 7/2025	10	4	60%	-12	0.263	No trend	<4 detects
S-16	Annual	6/1995 - 7/2025	49	48	2%	-739	2E-10	Decreasing	--	Decreasing	7/2016 - 7/2025	10	10	0%	-36	0.002	Decreasing	--
S-18	Annual	7/1995 - 7/2025	41	41	0%	-548	7E-10	Decreasing	--	Decreasing	7/2016 - 7/2025	10	10	0%	-17	0.149	No trend	--
S-19	Annual	7/1995 - 7/2025	49 ‡	26	47%	-814	1E-13	Decreasing	--	Decreasing	7/2016 - 7/2025	10	0	100%	--	--	100% ND	--
S-20	Annual	6/1995 - 7/2025	38	3	92%	--	--	<4 detects	--	<4 detects	7/2016 - 7/2025	10	0	100%	--	--	100% ND	--
S-21	Annual	10/1995 - 7/2025	41 ‡	23 §	44%	40	0.646	No trend	--	No trend	7/2016 - 7/2025	9	8	11%	-19	0.059	No trend	--
S-23	Semi-Annual	12/1995 - 7/2025	53 ‡	37	30%	59	0.651	No trend	--	No trend	1/2021 - 7/2025	10	10	0%	7	0.578	No trend	No trend
S-24	Semi-Annual	12/1995 - 8/2024	55 ‡	55	0%	834	1E-09	Increasing	--	Increasing	1/2021 - 8/2024	8	8	0%	4	0.710	No trend	No trend
S-26	Semi-Annual	12/1995 - 7/2025	58	58	0%	-351	0.019	Decreasing	--	Decreasing	1/2021 - 7/2025	10	10	0%	-20	0.088	No trend	Decreasing
S-27	Annual	3/1996 - 7/2025	26	26	0%	-266	5E-09	Decreasing	Decreasing	Decreasing	7/2016 - 7/2025	10	10	0%	-38	0.001	Decreasing	--
S-28	Annual	4/1996 - 7/2025	31	0	100%	--	--	100% ND	--	100% ND	7/2016 - 7/2025	10	0	100%	--	--	100% ND	--
S-36	5-year rotation	7/1997 - 9/2024	8	2	75%	--	--	<4 detects	--	Insufficient data	1/2017 - 9/2024	2	0	100%	--	--	Insufficient data	--
CRA-31S	Annual	12/2009 - 7/2025	28	0	100%	--	--	100% ND	--	100% ND	7/2016 - 7/2025	10	0	100%	--	--	100% ND	--
CRA-34S	Annual	11/2009 - 7/2025	27	1	96%	--	--	<4 detects	--	<4 detects	7/2016 - 7/2025	10	0	100%	--	--	100% ND	--
CRA-52S	Semi-Annual	9/2012 - 7/2025	27	27	0%	-52	0.287	No trend	--	Decreasing	1/2021 - 7/2025	10	10	0%	-30	0.009	Decreasing	Decreasing
CRA-57S	Semi-Annual	9/2012 - 7/2025	27	27	0%	-195	5E-05	Decreasing	--	Decreasing	1/2021 - 7/2025	9	9	0%	-15	0.136	No trend	Decreasing
CRA-67S	Semi-Annual	5/2016 - 7/2025	21	15	29%	-156	2E-06	Decreasing	--	Decreasing	1/2021 - 7/2025	10	4	60%	-4	0.760	No trend	<4 detects
SVE-7D	Annual	3/2007 - 7/2025	15	4	73%	-16	0.336	No trend	--	Insufficient data	7/2016 - 7/2025	9	1	89%	--	--	<4 detects	--

Notes:

N: Number of samples.
N of D: Number of detects.
% ND: Percent Non-detect (concentrations are below levels detectable in the laboratory analysis).
S: Mann-Kendall test statistic (sum of the signs of all possible pair-wise data comparisons).
P: Probabiltity of significance. A value less than 0.05 indicates greater than 95 percent confidence of a statistically significant trend.
<4 detetcts: when fewer than 4 detected values are present, no test is performed.
100% ND: no detected values in the data set; no test performed.
Insufficient data: trend test was not performed for data sets with less than 4 samples (either in total number of samples or per semi-annual season).
-- Trend test was not performed. The available data are not appropriate for the statistical test.
‡ Non-detects with detection limits above some detected values were excluded from the trend test.
§ One observation (0.43 µg/L in February 1998) was censored due to ambiguous comparisons with non-detect data having higher detection limits.
Regression analyses were performed only for data sets containing significant time gaps in the sampling record.
Trends considering possible seasonality in the data were tested using the Seasonal Kendall Test.

Table 2

Trend Test Results for Trichloroethene (TCE) in the Gravel Subunit (GSU) Wells
TIAA Superfund Site - Airport Property
Tucson, Arizona

Well	Current Sampling Frequency	TCE (µg/L) - Overall Trend Test: Date Range	N	N of D	% ND	Mann-Kendall Trend Test S	Mann-Kendall Trend Test P	Mann-Kendall Trend Test Conclusion	Regression Conclusion	Seasonal Test Conclusion	TCE (µg/L) - Recent (last 5 years) Trend Test: Date Range	N	N of D	% ND	Mann-Kendall Trend Test S	Mann-Kendall Trend Test P	Mann-Kendall Trend Test Conclusion	Seasonal Test Conclusion
S-2	Semi-Annual	11/1992 - 7/2025	58	55	5%	-1148	1E-14	Decreasing	--	Decreasing	1/2021 - 7/2025	10	8	20%	9	0.471	No trend	No trend
S-16B	Semi-Annual	4/1996 - 7/2025	58	58	0%	-1194	1E-15	Decreasing	--	Decreasing	1/2021 - 7/2025	10	10	0%	23	0.049	Increasing	Increasing
S-21B	Annual	12/1995 - 7/2025	50	49	2%	-587	9E-07	Decreasing	--	Decreasing	1/2016 - 7/2025	10	10	0%	-7	0.592	No trend	--
S-29	Semi-Annual	4/1996 - 7/2025	55	55	0%	-1181	1E-17	Decreasing	--	Decreasing	1/2021 - 7/2025	10	10	0%	11	0.371	No trend	No trend
S-37	Annual	11/1997 - 7/2025	51	51	0%	-963	5E-15	Decreasing	--	Decreasing	1/2016 - 7/2025	10	10	0%	-5	0.721	No trend	--
S-38	Semi-Annual	11/1997 - 7/2025	33	33	0%	-84	0.198	No trend	Decreasing	No trend	1/2021 - 7/2025	8	8	0%	2	0.901	No trend	No trend
S-39	Semi-Annual	8/1998 - 7/2025	56	56	0%	-1275	2E-19	Decreasing	--	Decreasing	1/2021 - 7/2025	10	10	0%	17	0.145	No trend	No trend
CRA-2	Annual	3/2007 - 7/2025	16	16	0%	-107	2E-06	Decreasing	--	Insufficient data	7/2016 - 7/2025	10	10	0%	-35	0.002	Decreasing	--
CRA-5	Annual	3/2007 - 7/2025	35	35	0%	-562	2E-15	Decreasing	--	Decreasing	1/2016 - 7/2025	10	10	0%	-37	0.001	Decreasing	Insufficient data
CRA-7	Semi-Annual	3/2007 - 7/2025	32	31	3%	-99	0.111	No trend	--	No trend	1/2021 - 7/2025	10	10	0%	15	0.210	No trend	Increasing
CRA-8	Annual	3/2007 - 7/2025	22	22	0%	-204	1E-08	Decreasing	--	Decreasing	7/2016 - 7/2025	10	10	0%	-36	0.002	Decreasing	--
CRA-9	Semi-Annual	4/2007 - 7/2025	39 ‡	39	0%	-586	1E-12	Decreasing	--	Decreasing	1/2021 - 7/2025	10	10	0%	-17	0.152	No trend	No trend
CRA-10	Semi-Annual	4/2007 - 7/2025	33 ‡	8	76%	-224	4E-06	Decreasing	--	Decreasing	1/2021 - 7/2025	10	0	100%	--	--	100% ND	100% ND
CRA-11	Annual	7/2003 - 7/2025	16	16	0%	-63	0.005	Decreasing	Decreasing	Insufficient data	7/2016 - 7/2025	10	10	0%	-37	0.001	Decreasing	--
CRA-12	Annual	7/2003 - 7/2025	17	17	0%	-130	1E-07	Decreasing	--	Insufficient data	7/2016 - 7/2025	10	10	0%	-43	2E-04	Decreasing	--
CRA-15	Annual	3/2007 - 7/2025	22	22	0%	25	0.498	No trend	No trend	Insufficient data	7/2016 - 7/2025	9	9	0%	8	0.466	No trend	--
CRA-42	Annual	6/2011 - 7/2025	24	24	0%	-239	3E-09	Decreasing	--	Decreasing	1/2016 - 7/2025	10	10	0%	-27	0.019	Decreasing	--
CRA-31D	Semi-Annual	12/2009 - 7/2025	33	9	73%	-168	0.001	Decreasing	--	Decreasing	1/2021 - 7/2025	10	0	100%	--	--	100% ND	100% ND
CRA-34D	Semi-Annual	11/2009 - 7/2025	23 ‡	6	74%	9	0.783	No trend	--	<4 detects	1/2021 - 7/2025	10	2	80%	--	--	<4 detects	Insufficient data
CRA-52D	Semi-Annual	9/2012 - 7/2025	27	27	0%	-177	2E-04	Decreasing	--	Decreasing	1/2021 - 7/2025	10	10	0%	-2	0.928	No trend	No trend
CRA-57D	Semi-Annual	9/2012 - 7/2025	25	25	0%	-21	0.640	No trend	--	No trend	1/2021 - 7/2025	8	8	0%	19	0.025	Increasing	No trend
CRA-67D	Semi-Annual	5/2016 - 7/2025	23	23	0%	-123	0.001	Decreasing	--	Decreasing	1/2021 - 7/2025	10	10	0%	-26	0.024	Decreasing	No trend
DP-1	Semi-Annual	12/2002 - 7/2025	37	37	0%	-532	4E-12	Decreasing	Decreasing	Decreasing	1/2021 - 7/2025	8	8	0%	4	0.710	No trend	Increasing
EW-1	Semi-Annual	4/2007 - 7/2025	36	36	0%	-510	4E-12	Decreasing	--	Decreasing	1/2021 - 7/2025	8	8	0%	4	0.710	No trend	No trend
EW-2R	Semi-Annual	7/2003 - 7/2025	39	39	0%	-653	3E-15	Decreasing	Decreasing	Decreasing	1/2021 - 7/2025	8	8	0%	-19	0.025	Decreasing	Decreasing
EW-4	Semi-Annual	2/2003 - 7/2025	37	37	0%	-469	9E-10	Decreasing	Decreasing	Decreasing	1/2021 - 7/2025	8	8	0%	-3	0.799	No trend	No trend
EW-5	Annual	7/2003 - 7/2025	37	5	86%	-40	0.388	No trend	--	<4 detects	1/2016 - 7/2025	10	1	90%	--	--	<4 detects	--
SVE-1D	Annual	3/2007 - 7/2025	23	23	0%	-118	0.002	Decreasing	--	Decreasing	1/2016 - 7/2025	10	10	0%	-6	0.653	No trend	--
SVE-2D	Annual	3/2007 - 7/2025	16	15	6%	-36	0.115	No trend	--	Insufficient data	7/2016 - 7/2025	10	9	10%	-37	0.001	Decreasing	--
SVE-3D	Annual	3/2007 - 7/2025	16	16	0%	-106	2E-06	Decreasing	--	Insufficient data	7/2016 - 7/2025	10	10	0%	-32	0.005	Decreasing	--
SVE-5D	Annual	3/2007 - 7/2025	16	15	6%	-103	4E-06	Decreasing	--	Insufficient data	7/2016 - 7/2025	10	9	10%	-34	0.003	Decreasing	--
SVE-6D	Annual	3/2007 - 7/2025	17	17	0%	-114	3E-06	Decreasing	--	Insufficient data	7/2016 - 7/2025	10	10	0%	-23	0.047	Decreasing	--

Notes:

N: Number of samples.
N of D: Number of detects.
% ND: Percent Non-detect (concentrations are below levels detectable in the laboratory analysis).
S: Mann-Kendall test statistic (sum of the signs of all possible pair-wise data comparisons).
P: Probabiltity of significance. A value less than 0.05 indicates greater than 95 percent confidence of a statistically significant trend.
<4 detetcts: when fewer than 4 detected values are present, no test is performed.
100% ND: no detected values in the data set; no test performed.
Insufficient data: trend test was not performed for data sets with less than 4 samples (either in total number of samples or per semi-annual season).
-- Trend test was not performed. The available data are not appropriate for the statistical test.
‡ Non-detects with detection limits above some detected values were excluded from the trend test.
Regression analyses were performed only for data sets containing significant time gaps in the sampling record.
Trends considering possible seasonality in the data were tested using the Seasonal Kendall Test.

Table 3

Trend Test Results for Trichloroethene (TCE) in the Upper Regional Aquifer (RA) Wells
TIAA Superfund Site - Airport Property
Tucson, Arizona

	TCE (µg/L) - Overall Trend Test									TCE (µg/L) - Recent (last 5 years) Trend Test							
					Mann-Kendall Trend Test			Regression	Seasonal Test					Mann-Kendall Trend Test			Seasonal Test
Well	**Date Range**	**N**	**N of D**	**% ND**	**S**	**P**	**Conclusion**	**Conclusion**	**Conclusion**	**Date Range**	**N**	**N of D**	**% ND**	**S**	**P**	**Conclusion**	**Conclusion**
D-1	11/1992 - 7/2025	53	53	0%	565	2E-05	**Increasing**	**Increasing**	**Increasing**	1/2021 - 7/2025	9	9	0%	14	0.175	No trend	**Increasing**
D-2	12/1993 - 7/2025	58	58	0%	786	1E-07	**Increasing**	**Increasing**	**Increasing**	1/2021 - 7/2025	10	10	0%	12	0.323	No trend	No trend
D-3	7/1995 - 7/2025	55 ‡	55	0%	837	1E-09	**Increasing**	--	**Increasing**	1/2021 - 7/2025	10	10	0%	-4	0.788	No trend	No trend
D-4	7/1995 - 7/2025	45 ‡	43	4%	463	6E-06	**Increasing**	**Increasing**	**Increasing**	1/2021 - 7/2025	10	10	0%	1	1.000	No trend	No trend
D-5	7/1995 - 7/2025	58	58	0%	592	7E-05	**Increasing**	--	**Increasing**	1/2021 - 7/2025	10	10	0%	-5	0.718	No trend	No trend
D-6	12/1995 - 7/2025	58 ‡	56	3%	437	0.003	**Increasing**	--	**Increasing**	1/2021 - 7/2025	10	10	0%	-38	0.001	**Decreasing**	**Decreasing**
D-7	8/1998 - 7/2025	55	55	0%	-1045	3E-14	**Decreasing**	--	**Decreasing**	1/2021 - 7/2025	10	10	0%	3	0.857	No trend	No trend
D-8	8/1998 - 7/2025	51	51	0%	33	0.795	No trend	No trend	No trend	1/2021 - 7/2025	10	10	0%	-24	0.039	**Decreasing**	No trend
D-9	3/2003 - 7/2025	45 ‡	35	22%	85	0.408	No trend	--	No trend	1/2021 - 7/2025	10	10	0%	19	0.107	No trend	No trend
MWR-2	1/2003 - 7/2025	43	42	2%	454	2E-06	**Increasing**	**Increasing**	**Increasing**	1/2021 - 7/2025	10	10	0%	27	0.020	**Increasing**	No trend

Notes:

N: Number of samples.
N of D: Number of detects.
ND: Non-detect (concentrations are below levels detectable in the laboratory analysis).
S: Mann-Kendall test statistic (sum of the signs of all possible pair-wise data comparisons).
P: Probabiltity of significance. A value less than 0.05 indicates greater than 95 percent confidence of a statistically significant trend.
-- Trend test was not performed. The available data are not appropriate for the statistical test.
‡ Non-detects with detection limits above some detected values were excluded from the trend test.
Regression analyses were performed only for data sets containing significant time gaps in the sampling record.
Trends considering possible seasonality in the data were tested using the Seasonal Kendall Test.

Attachments

Attachment 1

Monitoring Data for Trichloroethene (TCE) in Groundwater Shallow Groundwater Zone

Monitoring Data for Trichloroethene (TCE) in Groundwater
Shallow Groundwater Zone Wells
TIAA Superfund Site - Airport Property
Tucson, Arizona

WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
S-1	SGZ	11/10/1992	µg/L	990 / 360	675	--
S-1	SGZ	12/07/1993	µg/L	280 / 220	250	--
S-1	SGZ	06/22/1995	µg/L	430	430	--
S-1	SGZ	07/13/1997	µg/L	180	180	--
S-1	SGZ	02/10/1998	µg/L	294 / 338	316	--
S-1	SGZ	08/26/1998	µg/L	330	330	--
S-1	SGZ	02/07/1999	µg/L	230	230	--
S-1	SGZ	08/11/1999	µg/L	250	250	--
S-1	SGZ	02/14/2000	µg/L	190	190	--
S-1	SGZ	08/09/2000	µg/L	200	200	--
S-1	SGZ	02/12/2001	µg/L	190	190	--
S-1	SGZ	08/15/2001	µg/L	130 / 160	145	--
S-1	SGZ	08/27/2002	µg/L	160	160	--
S-1	SGZ	03/11/2003	µg/L	140	140	--
S-1	SGZ	09/03/2003	µg/L	130	130	--
S-1	SGZ	02/24/2004	µg/L	140 / 140	140	--
S-1	SGZ	08/11/2004	µg/L	230	230	--
S-1	SGZ	03/03/2005	µg/L	200	200	--
S-1	SGZ	08/08/2005	µg/L	220	220	--
S-1	SGZ	02/22/2006	µg/L	240	240	--
S-1	SGZ	08/10/2006	µg/L	230 / 230	230	--
S-1	SGZ	03/27/2007	µg/L	88	88	--
S-1	SGZ	11/13/2007	µg/L	60	60	--
S-1	SGZ	02/13/2008	µg/L	91	91	--
S-1	SGZ	08/12/2008	µg/L	100	100	--
S-1	SGZ	08/13/2009	µg/L	78	78	--
S-1	SGZ	02/09/2010	µg/L	80	80	--
S-1	SGZ	08/11/2010	µg/L	110	110	--
S-1	SGZ	02/10/2011	µg/L	97	97	--
S-1	SGZ	08/09/2011	µg/L	68 / 70	69	--
S-1	SGZ	02/14/2012	µg/L	65	65	--
S-1	SGZ	08/22/2012	µg/L	61	61	--
S-1	SGZ	02/26/2013	µg/L	50	50	--
S-1	SGZ	08/29/2013	µg/L	42	42	--
S-1	SGZ	02/17/2014	µg/L	45	45	--
S-1	SGZ	08/13/2014	µg/L	44	44	--
S-1	SGZ	02/02/2015	µg/L	42	42	--
S-1	SGZ	07/23/2015	µg/L	32	32	--
S-1	SGZ	01/22/2016	µg/L	29	29	-- *
S-1	SGZ	07/26/2016	µg/L	32	32	32
S-1	SGZ	01/31/2017	µg/L	38	38	-- *
S-1	SGZ	07/28/2017	µg/L	35	35	35
S-1	SGZ	02/19/2018	µg/L	32	32	-- *
S-1	SGZ	07/23/2018	µg/L	29	29	29
S-1	SGZ	01/24/2019	µg/L	25	25	-- *
S-1	SGZ	07/12/2019	µg/L	12	12	12
S-1	SGZ	07/20/2020	µg/L	10	10	10
S-1	SGZ	07/19/2021	µg/L	13	13	13
S-1	SGZ	07/14/2022	µg/L	8.5	8.5	8.5

Monitoring Data for Trichloroethene (TCE) in Groundwater
Shallow Groundwater Zone Wells
TIAA Superfund Site - Airport Property
Tucson, Arizona

WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
S-1	SGZ	07/24/2023	µg/L	5.5	5.5	5.5
S-1	SGZ	08/19/2024	µg/L	3.8	3.8	3.8
S-1	SGZ	07/02/2025	µg/L	5.6	5.6	5.6
S-3	SGZ	11/09/1992	µg/L	280 / 320	300	--
S-3	SGZ	12/06/1993	µg/L	310 / 260	285	--
S-3	SGZ	07/16/1995	µg/L	330	330	--
S-3	SGZ	07/12/1997	µg/L	160	160	--
S-3	SGZ	02/06/1999	µg/L	170	170	--
S-3	SGZ	03/12/2007	µg/L	47	47	--
S-3	SGZ	08/12/2009	µg/L	13	13	--
S-3	SGZ	02/09/2010	µg/L	12	12	--
S-3	SGZ	08/10/2010	µg/L	24	24	--
S-3	SGZ	02/10/2011	µg/L	34	34	--
S-3	SGZ	08/08/2011	µg/L	1.9	1.9	--
S-3	SGZ	09/26/2011	µg/L	8.4	8.4	--
S-3	SGZ	02/13/2012	µg/L	26	26	--
S-3	SGZ	08/16/2012	µg/L	7.9	7.9	--
S-3	SGZ	02/26/2013	µg/L	4.5	4.5	--
S-3	SGZ	08/27/2013	µg/L	25	25	--
S-3	SGZ	02/17/2014	µg/L	35	35	--
S-3	SGZ	08/13/2014	µg/L	47	47	--
S-3	SGZ	02/11/2015	µg/L	4.1	4.1	--
S-3	SGZ	07/22/2015	µg/L	0.77	0.77	--
S-3	SGZ	01/19/2016	µg/L	<0.50	0	--
S-3	SGZ	07/28/2016	µg/L	4.2	4.2	--
S-3	SGZ	01/31/2017	µg/L	0.97	0.97	--
S-3	SGZ	07/27/2017	µg/L	0.83	0.83	--
S-3	SGZ	02/19/2018	µg/L	<0.50	0	--
S-3	SGZ	07/23/2018	µg/L	2.8	2.8	--
S-3	SGZ	01/28/2019	µg/L	4.5	4.5	--
S-3	SGZ	07/12/2019	µg/L	3.4	3.4	--
S-3	SGZ	01/28/2020	µg/L	7.9 / 7.6	7.75	--
S-3	SGZ	07/31/2020	µg/L	10	10	--
S-3	SGZ	01/22/2021	µg/L	8.1	8.1	8.1
S-3	SGZ	07/09/2021	µg/L	9.2	9.2	9.2
S-3	SGZ	01/21/2022	µg/L	0.56	0.56	0.56
S-3	SGZ	01/13/2023	µg/L	8.6	8.6	8.6
S-3	SGZ	07/24/2023	µg/L	4.7	4.7	4.7
S-3	SGZ	01/16/2024	µg/L	4.2	4.2	4.2
S-3	SGZ	09/02/2024	µg/L	2.7	2.7	2.7
S-3	SGZ	01/07/2025	µg/L	2.4	2.4	2.4
S-3	SGZ	07/24/2025	µg/L	3.7	3.7	3.7
S-4	SGZ	11/09/1992	µg/L	430 / 560	495	--
S-4	SGZ	12/06/1993	µg/L	630 / 1100	865	--
S-4	SGZ	06/22/1995	µg/L	720 / 690	705	--
S-4	SGZ	07/18/1997	µg/L	560 / 506	533	--
S-4	SGZ	02/09/1998	µg/L	603	603	--
S-4	SGZ	08/26/1998	µg/L	510	510	--
S-4	SGZ	02/06/1999	µg/L	410	410	--

Monitoring Data for Trichloroethene (TCE) in Groundwater
Shallow Groundwater Zone Wells
TIAA Superfund Site - Airport Property
Tucson, Arizona

WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
S-4	SGZ	08/11/1999	µg/L	440	440	--
S-4	SGZ	02/15/2000	µg/L	370	370	--
S-4	SGZ	08/10/2000	µg/L	390	390	--
S-4	SGZ	02/13/2001	µg/L	390	390	--
S-4	SGZ	08/16/2001	µg/L	370	370	--
S-4	SGZ	03/05/2002	µg/L	310	310	--
S-4	SGZ	08/27/2002	µg/L	200	200	--
S-4	SGZ	03/11/2003	µg/L	140 J / 190	165	--
S-4	SGZ	02/25/2004	µg/L	250	250	--
S-4	SGZ	08/10/2004	µg/L	260	260	--
S-4	SGZ	03/01/2005	µg/L	220	220	--
S-4	SGZ	08/03/2005	µg/L	220	220	--
S-4	SGZ	02/22/2006	µg/L	130	130	--
S-4	SGZ	08/02/2006	µg/L	180	180	--
S-4	SGZ	02/27/2007	µg/L	140	140	--
S-4	SGZ	11/15/2007	µg/L	160	160	--
S-4	SGZ	02/14/2008	µg/L	85	85	--
S-4	SGZ	08/12/2008	µg/L	80	80	--
S-4	SGZ	08/12/2009	µg/L	140	140	--
S-4	SGZ	02/10/2010	µg/L	14	14	--
S-4	SGZ	08/04/2011	µg/L	100	100	--
S-4	SGZ	08/16/2012	µg/L	77	77	--
S-4	SGZ	08/29/2013	µg/L	24	24	--
S-4	SGZ	08/13/2014	µg/L	47	47	--
S-4	SGZ	07/21/2015	µg/L	35	35	--
S-4	SGZ	01/19/2016	µg/L	37	37	-- *
S-4	SGZ	07/28/2016	µg/L	46 / 47	46.5	46.5
S-4	SGZ	07/27/2017	µg/L	39 / 38	38.5	38.5
S-4	SGZ	07/23/2018	µg/L	38	38	38
S-4	SGZ	07/12/2019	µg/L	32	32	32
S-4	SGZ	07/20/2020	µg/L	30	30	30
S-4	SGZ	07/09/2021	µg/L	28	28	28
S-4	SGZ	01/16/2023	µg/L	12	12	12
S-4	SGZ	07/24/2023	µg/L	13	13	13
S-4	SGZ	09/02/2024	µg/L	10 / 10	10	10
S-4	SGZ	07/24/2025	µg/L	2.2	2.2	2.2
S-5	SGZ	11/10/1992	µg/L	75000 / 130000	102500	--
S-5	SGZ	12/07/1993	µg/L	2700 / 2800 / 62000	22500	--
S-5	SGZ	07/16/1995	µg/L	74000	74000	--
S-5	SGZ	07/19/1997	µg/L	64500	64500	--
S-5	SGZ	02/07/1998	µg/L	<1	0	--
S-5	SGZ	02/08/1999	µg/L	49000	49000	--
S-5	SGZ	03/14/2007	µg/L	47000	47000	--
S-5	SGZ	11/15/2007	µg/L	40000 / 40000	40000	--
S-5	SGZ	02/19/2008	µg/L	42000	42000	--
S-5	SGZ	08/20/2008	µg/L	57000	57000	--
S-5	SGZ	08/13/2009	µg/L	5600	5600	--
S-5	SGZ	02/17/2010	µg/L	10	10	--
S-5	SGZ	08/17/2010	µg/L	4.3 / 4.5	4.4	--

Monitoring Data for Trichloroethene (TCE) in Groundwater
Shallow Groundwater Zone Wells
TIAA Superfund Site - Airport Property
Tucson, Arizona

WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
S-5	SGZ	02/17/2011	µg/L	9.2	9.2	--
S-5	SGZ	08/15/2013	µg/L	1.1	1.1	--
S-5	SGZ	02/18/2014	µg/L	<0.50	0	--
S-5	SGZ	02/10/2015	µg/L	<0.50	0	--
S-5	SGZ	07/15/2015	µg/L	1.9	1.9	--
S-5	SGZ	01/20/2016	µg/L	17	17	--
S-5	SGZ	07/14/2016	µg/L	5.3	5.3	--
S-5	SGZ	01/25/2017	µg/L	<0.50	0	--
S-5	SGZ	07/20/2017	µg/L	<0.50	0	--
S-5	SGZ	02/08/2018	µg/L	<0.50	0	--
S-5	SGZ	07/20/2018	µg/L	<0.50	0	--
S-5	SGZ	01/23/2019	µg/L	<0.50	0	--
S-5	SGZ	07/25/2019	µg/L	7.5	7.5	--
S-5	SGZ	07/28/2020	µg/L	<0.50	0	--
S-5	SGZ	01/28/2021	µg/L	0.60	0.6	0.6
S-5	SGZ	07/20/2021	µg/L	1.5	1.5	1.5
S-5	SGZ	01/25/2022	µg/L	1.0	1	1
S-5	SGZ	07/26/2022	µg/L	<5.0 / <5.0	0	0
S-5	SGZ	01/16/2023	µg/L	2.6	2.6	2.6
S-5	SGZ	08/08/2023	µg/L	3.5	3.5	3.5
S-5	SGZ	01/19/2024	µg/L	7.5	7.5	7.5
S-5	SGZ	09/06/2024	µg/L	1.4	1.4	1.4
S-5	SGZ	01/23/2025	µg/L	1.8	1.8	1.8
S-5	SGZ	07/03/2025	µg/L	1.3	1.3	1.3
S-6	SGZ	12/06/1993	µg/L	<10	0	--
S-6	SGZ	06/21/1995	µg/L	<5	0	--
S-6	SGZ	04/01/1996	µg/L	<1	0	--
S-6	SGZ	07/12/1997	µg/L	0.39	0.39	--
S-6	SGZ	02/02/1999	µg/L	<2	0	--
S-6	SGZ	02/23/2007	µg/L	<0.5	0	--
S-6	SGZ	03/12/2007	µg/L	<0.5	0	--
S-6	SGZ	08/03/2009	µg/L	<0.50	0	--
S-6	SGZ	08/03/2009	µg/L	<0.50	0	--
S-6	SGZ	02/08/2010	µg/L	<0.50	0	--
S-6	SGZ	02/08/2010	µg/L	<0.50	0	--
S-6	SGZ	08/04/2010	µg/L	<0.50	0	--
S-6	SGZ	02/04/2011	µg/L	<0.50	0	--
S-6	SGZ	08/02/2011	µg/L	<0.5	0	--
S-6	SGZ	02/10/2012	µg/L	<0.5	0	--
S-6	SGZ	08/03/2012	µg/L	<0.5	0	--
S-6	SGZ	02/08/2013	µg/L	<0.5	0	--
S-6	SGZ	08/27/2013	µg/L	<0.50	0	--
S-6	SGZ	02/12/2014	µg/L	<0.50	0	--
S-6	SGZ	08/07/2014	µg/L	<0.50	0	--
S-6	SGZ	02/05/2015	µg/L	<0.50	0	--
S-6	SGZ	07/17/2015	µg/L	<0.50	0	--
S-6	SGZ	01/19/2016	µg/L	<0.50	0	--
S-6	SGZ	07/27/2016	µg/L	<0.50	0	--
S-6	SGZ	01/30/2017	µg/L	<0.50	0	--

Monitoring Data for Trichloroethene (TCE) in Groundwater
Shallow Groundwater Zone Wells
TIAA Superfund Site - Airport Property
Tucson, Arizona

WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
S-6	SGZ	07/28/2017	µg/L	<0.50	0	--
S-6	SGZ	02/23/2018	µg/L	<0.50	0	--
S-6	SGZ	08/13/2018	µg/L	<0.50	0	--
S-6	SGZ	01/30/2019	µg/L	<0.50	0	--
S-6	SGZ	07/11/2019	µg/L	<0.50	0	--
S-6	SGZ	01/23/2020	µg/L	<0.50	0	--
S-6	SGZ	07/31/2020	µg/L	<0.50	0	--
S-6	SGZ	01/28/2021	µg/L	<0.50	0	0
S-6	SGZ	07/09/2021	µg/L	<0.50	0	0
S-6	SGZ	07/09/2021	µg/L	<0.50	0	0
S-6	SGZ	01/14/2022	µg/L	<0.50	0	0
S-6	SGZ	07/07/2022	µg/L	<0.50	0	0
S-6	SGZ	01/18/2023	µg/L	0.50 UJ	0	0
S-6	SGZ	07/17/2023	µg/L	<0.50	0	0
S-6	SGZ	01/16/2024	µg/L	<0.50	0	0
S-6	SGZ	08/28/2024	µg/L	<0.50	0	0
S-6	SGZ	01/23/2025	µg/L	<0.50 / <0.50	0	0
S-6	SGZ	07/25/2025	µg/L	<2.5	0	0
S-7	SGZ	12/07/1993	µg/L	20	20	--
S-7	SGZ	06/21/1995	µg/L	60	60	--
S-7	SGZ	07/12/1997	µg/L	49 / 34	41.5	--
S-7	SGZ	02/05/1999	µg/L	39	39	--
S-7	SGZ	03/02/2005	µg/L	76	76	--
S-7	SGZ	03/08/2007	µg/L	84	84	--
S-7	SGZ	02/09/2009	µg/L	17	17	--
S-7	SGZ	08/06/2009	µg/L	35	35	--
S-7	SGZ	02/05/2010	µg/L	1.4	1.4	--
S-7	SGZ	08/05/2010	µg/L	3.9	3.9	--
S-7	SGZ	02/08/2011	µg/L	32	32	--
S-7	SGZ	08/09/2011	µg/L	36	36	--
S-7	SGZ	02/10/2012	µg/L	38	38	--
S-7	SGZ	08/23/2012	µg/L	32	32	--
S-7	SGZ	02/18/2013	µg/L	18	18	--
S-7	SGZ	08/27/2013	µg/L	28	28	--
S-7	SGZ	02/12/2014	µg/L	18	18	--
S-7	SGZ	08/08/2014	µg/L	22	22	--
S-7	SGZ	02/03/2015	µg/L	22	22	--
S-7	SGZ	07/17/2015	µg/L	10	10	--
S-7	SGZ	01/14/2016	µg/L	7.0	7	-- *
S-7	SGZ	07/28/2016	µg/L	9.6 / 10	9.8	9.8
S-7	SGZ	01/30/2017	µg/L	2.9	2.9	-- *
S-7	SGZ	07/31/2017	µg/L	2.4	2.4	2.4
S-7	SGZ	02/19/2018	µg/L	2.3	2.3	-- *
S-7	SGZ	07/26/2018	µg/L	2.6	2.6	2.6
S-7	SGZ	01/30/2019	µg/L	<1.3	0	-- *
S-7	SGZ	07/26/2019	µg/L	1.5	1.5	1.5
S-7	SGZ	07/31/2020	µg/L	<0.50	0	0
S-7	SGZ	07/15/2021	µg/L	<0.50	0	0
S-7	SGZ	07/22/2022	µg/L	<0.50	0	0

Monitoring Data for Trichloroethene (TCE) in Groundwater
Shallow Groundwater Zone Wells
TIAA Superfund Site - Airport Property
Tucson, Arizona

WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
S-7	SGZ	09/14/2023	µg/L	<0.50	0	0
S-7	SGZ	09/04/2024	µg/L	<0.50	0	0
S-7	SGZ	07/09/2025	µg/L	<0.50	0	0
S-9	SGZ	12/08/1993	µg/L	3	3	--
S-9	SGZ	06/21/1995	µg/L	4.6	4.6	--
S-9	SGZ	07/18/1997	µg/L	3.1	3.1	--
S-9	SGZ	02/08/1998	µg/L	5.14	5.14	--
S-9	SGZ	08/25/1998	µg/L	4.8	4.8	--
S-9	SGZ	02/04/1999	µg/L	3.1	3.1	--
S-9	SGZ	02/13/2000	µg/L	3	3	--
S-9	SGZ	02/10/2001	µg/L	4.2	4.2	--
S-9	SGZ	02/28/2002	µg/L	6.7	6.7	--
S-9	SGZ	03/07/2003	µg/L	14	14	--
S-9	SGZ	02/19/2004	µg/L	19 / 20	19.5	--
S-9	SGZ	02/24/2005	µg/L	9.1	9.1	--
S-9	SGZ	02/23/2006	µg/L	19	19	--
S-9	SGZ	02/27/2007	µg/L	9.6	9.6	--
S-9	SGZ	11/13/2007	µg/L	15	15	--
S-9	SGZ	02/13/2008	µg/L	26	26	--
S-9	SGZ	08/12/2008	µg/L	31	31	--
S-9	SGZ	08/12/2009	µg/L	18	18	--
S-9	SGZ	02/04/2010	µg/L	26	26	--
S-9	SGZ	08/10/2010	µg/L	22	22	--
S-9	SGZ	02/09/2011	µg/L	11	11	--
S-9	SGZ	08/04/2011	µg/L	14	14	--
S-9	SGZ	02/08/2012	µg/L	15	15	--
S-9	SGZ	08/07/2012	µg/L	11	11	--
S-9	SGZ	02/15/2013	µg/L	8.3	8.3	--
S-9	SGZ	08/21/2013	µg/L	22	22	--
S-9	SGZ	02/06/2014	µg/L	12	12	--
S-9	SGZ	07/31/2014	µg/L	28	28	--
S-9	SGZ	01/29/2015	µg/L	14	14	--
S-9	SGZ	07/10/2015	µg/L	13	13	--
S-9	SGZ	01/15/2016	µg/L	18	18	--
S-9	SGZ	07/21/2016	µg/L	25	25	--
S-9	SGZ	01/26/2017	µg/L	9.0	9	--
S-9	SGZ	07/26/2017	µg/L	3.3	3.3	--
S-9	SGZ	02/21/2018	µg/L	5.1	5.1	--
S-9	SGZ	07/26/2018	µg/L	4.9	4.9	--
S-9	SGZ	01/28/2019	µg/L	4.5	4.5	--
S-9	SGZ	07/29/2019	µg/L	5.0 / 5.0	5	--
S-9	SGZ	02/05/2020	µg/L	4.4	4.4	--
S-9	SGZ	08/04/2020	µg/L	3.0	3	--
S-9	SGZ	01/25/2021	µg/L	3.4	3.4	3.4
S-9	SGZ	07/13/2021	µg/L	2.5	2.5	2.5
S-9	SGZ	01/25/2022	µg/L	2.0 / 1.8	1.9	1.9
S-9	SGZ	07/27/2022	µg/L	<5.0	0	0
S-9	SGZ	01/19/2023	µg/L	1.0 J-	1	1
S-9	SGZ	07/24/2023	µg/L	1.4	1.4	1.4

Monitoring Data for Trichloroethene (TCE) in Groundwater
Shallow Groundwater Zone Wells
TIAA Superfund Site - Airport Property
Tucson, Arizona

WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
S-9	SGZ	01/26/2024	µg/L	4.4	4.4	4.4
S-9	SGZ	08/29/2024	µg/L	4.1	4.1	4.1
S-9	SGZ	01/22/2025	µg/L	4.9	4.9	4.9
S-9	SGZ	07/23/2025	µg/L	4.3	4.3	4.3
S-10	SGZ	06/01/1995	µg/L	27000	27000	--
S-10	SGZ	07/09/1997	µg/L	37000	37000	--
S-10	SGZ	02/07/1999	µg/L	29000	29000	--
S-10	SGZ	03/14/2007	µg/L	26000	26000	--
S-10	SGZ	11/16/2007	µg/L	22000	22000	--
S-10	SGZ	02/18/2008	µg/L	22000	22000	--
S-10	SGZ	08/15/2008	µg/L	17000	17000	--
S-10	SGZ	08/13/2009	µg/L	6300 / 6200	6250	--
S-10	SGZ	02/17/2010	µg/L	2400 J / 1700 J	2050	--
S-10	SGZ	02/16/2012	µg/L	800	800	--
S-10	SGZ	08/16/2012	µg/L	820	820	--
S-10	SGZ	02/21/2013	µg/L	140	140	--
S-10	SGZ	08/15/2013	µg/L	850	850	--
S-10	SGZ	02/18/2014	µg/L	390	390	--
S-10	SGZ	07/24/2014	µg/L	470	470	--
S-10	SGZ	02/10/2015	µg/L	410	410	--
S-10	SGZ	07/15/2015	µg/L	280	280	--
S-10	SGZ	01/20/2016	µg/L	290	290	-- *
S-10	SGZ	07/14/2016	µg/L	180	180	180
S-10	SGZ	01/25/2017	µg/L	170	170	-- *
S-10	SGZ	07/20/2017	µg/L	110	110	110
S-10	SGZ	02/08/2018	µg/L	77	77	-- *
S-10	SGZ	07/20/2018	µg/L	62	62	62
S-10	SGZ	01/23/2019	µg/L	330	330	-- *
S-10	SGZ	07/25/2019	µg/L	63	63	63
S-10	SGZ	07/28/2020	µg/L	61	61	61
S-10	SGZ	07/20/2021	µg/L	50	50	50
S-10	SGZ	07/12/2022	µg/L	49	49	49
S-10	SGZ	08/08/2023	µg/L	33 / 30	31.5	31.5
S-10	SGZ	09/09/2024	µg/L	37	37	37
S-10	SGZ	07/03/2025	µg/L	52	52	52
S-11	SGZ	06/01/1995	µg/L	860	860	--
S-11	SGZ	07/12/1997	µg/L	470	470	--
S-11	SGZ	02/05/1999	µg/L	490 / 500	495	--
S-11	SGZ	03/08/2007	µg/L	400	400	--
S-11	SGZ	11/14/2007	µg/L	270 / 270	270	--
S-11	SGZ	02/13/2008	µg/L	150	150	--
S-11	SGZ	08/13/2008	µg/L	22	22	--
S-11	SGZ	08/12/2009	µg/L	24 / 23	23.5	--
S-11	SGZ	02/08/2010	µg/L	50 / 55	52.5	--
S-11	SGZ	08/10/2010	µg/L	4.9	4.9	--
S-11	SGZ	02/09/2011	µg/L	76 / 76	76	--
S-11	SGZ	08/09/2011	µg/L	13 / 13	13	--
S-11	SGZ	02/14/2012	µg/L	20	20	--
S-11	SGZ	08/23/2012	µg/L	0.85	0.85	--

Monitoring Data for Trichloroethene (TCE) in Groundwater
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WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
S-11	SGZ	02/11/2013	µg/L	6 / 6.5	6.25	--
S-11	SGZ	08/27/2013	µg/L	4.4	4.4	--
S-11	SGZ	02/13/2014	µg/L	6.4	6.4	--
S-11	SGZ	08/14/2014	µg/L	0.81	0.81	--
S-11	SGZ	02/06/2015	µg/L	0.57	0.57	--
S-11	SGZ	07/20/2015	µg/L	1.9	1.9	--
S-11	SGZ	01/22/2016	µg/L	0.77	0.77	--
S-11	SGZ	07/27/2016	µg/L	0.69	0.69	--
S-11	SGZ	01/30/2017	µg/L	0.56	0.56	--
S-11	SGZ	07/28/2017	µg/L	1.1	1.1	--
S-11	SGZ	02/23/2018	µg/L	<0.50	0	--
S-11	SGZ	08/13/2018	µg/L	0.95	0.95	--
S-11	SGZ	01/30/2019	µg/L	<0.50	0	--
S-11	SGZ	07/11/2019	µg/L	0.69	0.69	--
S-11	SGZ	01/30/2020	µg/L	0.83	0.83	--
S-11	SGZ	07/31/2020	µg/L	0.78	0.78	--
S-11	SGZ	01/28/2021	µg/L	0.58	0.58	0.58
S-11	SGZ	07/13/2021	µg/L	0.99	0.99	0.99
S-11	SGZ	01/25/2022	µg/L	0.72 / 0.68	0.7	0.7
S-11	SGZ	07/08/2022	µg/L	0.70	0.7	0.7
S-11	SGZ	01/18/2023	µg/L	0.51 J-	0.51	0.51
S-11	SGZ	07/19/2023	µg/L	0.53	0.53	0.53
S-11	SGZ	01/16/2024	µg/L	<0.50	0	0
S-11	SGZ	09/04/2024	µg/L	<0.50	0	0
S-11	SGZ	01/07/2025	µg/L	<0.50	0	0
S-11	SGZ	07/07/2025	µg/L	<0.50	0	0
S-12	SGZ	06/02/1995	µg/L	89	89	--
S-12	SGZ	07/11/1997	µg/L	78	78	--
S-12	SGZ	02/08/1998	µg/L	190	190	--
S-12	SGZ	08/26/1998	µg/L	210	210	--
S-12	SGZ	02/05/1999	µg/L	180	180	--
S-12	SGZ	08/11/1999	µg/L	160	160	--
S-12	SGZ	02/14/2000	µg/L	190	190	--
S-12	SGZ	08/09/2000	µg/L	170	170	--
S-12	SGZ	02/13/2001	µg/L	130 / 120	125	--
S-12	SGZ	08/15/2001	µg/L	150	150	--
S-12	SGZ	03/05/2002	µg/L	180	180	--
S-12	SGZ	08/26/2002	µg/L	130	130	--
S-12	SGZ	03/12/2003	µg/L	180	180	--
S-12	SGZ	09/02/2003	µg/L	120	120	--
S-12	SGZ	02/20/2004	µg/L	120	120	--
S-12	SGZ	08/10/2004	µg/L	120	120	--
S-12	SGZ	03/01/2005	µg/L	140	140	--
S-12	SGZ	08/03/2005	µg/L	130	130	--
S-12	SGZ	02/24/2006	µg/L	140	140	--
S-12	SGZ	08/03/2006	µg/L	50	50	--
S-12	SGZ	03/14/2007	µg/L	330	330	--
S-12	SGZ	11/15/2007	µg/L	120	120	--
S-12	SGZ	02/13/2008	µg/L	130	130	--

Monitoring Data for Trichloroethene (TCE) in Groundwater
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WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
S-12	SGZ	08/13/2008	µg/L	57 / 60	58.5	--
S-12	SGZ	02/11/2009	µg/L	120	120	--
S-12	SGZ	08/13/2009	µg/L	95	95	--
S-12	SGZ	02/09/2010	µg/L	35	35	--
S-12	SGZ	02/18/2011	µg/L	87 / 99	93	--
S-12	SGZ	08/10/2011	µg/L	99	99	--
S-12	SGZ	02/15/2012	µg/L	77	77	--
S-12	SGZ	08/22/2012	µg/L	95 / 92	93.5	--
S-12	SGZ	02/21/2013	µg/L	36	36	--
S-12	SGZ	08/29/2013	µg/L	65	65	--
S-12	SGZ	02/17/2014	µg/L	33	33	--
S-12	SGZ	08/12/2014	µg/L	83	83	--
S-12	SGZ	02/02/2015	µg/L	79	79	--
S-12	SGZ	07/24/2015	µg/L	98	98	--
S-12	SGZ	01/22/2016	µg/L	63	63	-- *
S-12	SGZ	07/29/2016	µg/L	110 / 110	110	110
S-12	SGZ	01/31/2017	µg/L	51	51	-- *
S-12	SGZ	07/26/2017	µg/L	49	49	49
S-12	SGZ	02/19/2018	µg/L	45	45	-- *
S-12	SGZ	07/25/2018	µg/L	60	60	60
S-12	SGZ	01/30/2019	µg/L	32	32	-- *
S-12	SGZ	07/19/2019	µg/L	66	66	66
S-12	SGZ	07/30/2020	µg/L	48	48	48
S-12	SGZ	07/15/2021	µg/L	40	40	40
S-12	SGZ	07/22/2022	µg/L	43	43	43
S-12	SGZ	08/02/2023	µg/L	59 J+ / 58 J+	58.5	58.5
S-12	SGZ	08/19/2024	µg/L	49	49	49
S-12	SGZ	07/23/2025	µg/L	57	57	57
S-13	SGZ	06/05/1995	µg/L	<5	0	--
S-13	SGZ	04/01/1996	µg/L	<1	0	--
S-13	SGZ	07/13/1997	µg/L	<1	0	--
S-13	SGZ	02/02/1999	µg/L	<2	0	--
S-13	SGZ	03/05/2007	µg/L	<0.5	0	--
S-13	SGZ	08/03/2009	µg/L	<0.50	0	--
S-13	SGZ	08/10/2011	µg/L	0.5 UJ	0	--
S-13	SGZ	02/14/2012	µg/L	<0.5	0	--
S-13	SGZ	08/03/2012	µg/L	<0.5	0	--
S-13	SGZ	08/27/2013	µg/L	<0.50	0	--
S-13	SGZ	08/07/2014	µg/L	<0.50	0	--
S-13	SGZ	07/17/2015	µg/L	<0.50	0	--
S-13	SGZ	07/27/2016	µg/L	<0.50	0	0
S-13	SGZ	07/28/2017	µg/L	<0.50	0	0
S-13	SGZ	07/26/2018	µg/L	<0.50	0	0
S-13	SGZ	07/12/2019	µg/L	<0.50	0	0
S-13	SGZ	07/29/2020	µg/L	<0.50	0	0
S-13	SGZ	07/12/2021	µg/L	<0.50	0	0
S-13	SGZ	07/08/2022	µg/L	<0.50	0	0
S-13	SGZ	07/17/2023	µg/L	<0.50	0	0
S-13	SGZ	08/30/2024	µg/L	<0.50	0	0

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WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
S-13	SGZ	07/31/2025	µg/L	<0.50	0	0
S-14	SGZ	06/05/1995	µg/L	17	17	--
S-14	SGZ	07/13/1997	µg/L	23	23	--
S-14	SGZ	02/04/1999	µg/L	2.5	2.5	--
S-14	SGZ	03/07/2007	µg/L	20	20	--
S-14	SGZ	08/07/2009	µg/L	9.2	9.2	--
S-14	SGZ	08/10/2010	µg/L	10	10	--
S-14	SGZ	02/09/2011	µg/L	9.9	9.9	--
S-14	SGZ	08/04/2011	µg/L	11	11	--
S-14	SGZ	02/10/2012	µg/L	7.9 / 8.2	8.05	--
S-14	SGZ	08/23/2012	µg/L	4.9	4.9	--
S-14	SGZ	02/26/2013	µg/L	4.9	4.9	--
S-14	SGZ	08/30/2013	µg/L	4	4	--
S-14	SGZ	02/21/2014	µg/L	3.4	3.4	--
S-14	SGZ	08/15/2014	µg/L	3.9	3.9	--
S-14	SGZ	02/03/2015	µg/L	3.1	3.1	--
S-14	SGZ	07/20/2015	µg/L	2.3	2.3	--
S-14	SGZ	01/14/2016	µg/L	1.9	1.9	--
S-14	SGZ	07/28/2016	µg/L	1.8	1.8	--
S-14	SGZ	01/30/2017	µg/L	1.5	1.5	--
S-14	SGZ	07/28/2017	µg/L	1.3	1.3	--
S-14	SGZ	02/20/2018	µg/L	1.3	1.3	--
S-14	SGZ	07/26/2018	µg/L	1.3	1.3	--
S-14	SGZ	01/30/2019	µg/L	<0.69	0	--
S-14	SGZ	07/26/2019	µg/L	1.3	1.3	--
S-14	SGZ	02/03/2020	µg/L	1.1	1.1	--
S-14	SGZ	08/03/2020	µg/L	0.98	0.98	--
S-14	SGZ	01/27/2021	µg/L	0.85 / 0.86	0.855	0.855
S-14	SGZ	07/14/2021	µg/L	0.72	0.72	0.72
S-14	SGZ	01/25/2022	µg/L	<0.50	0	0
S-14	SGZ	07/22/2022	µg/L	0.63	0.63	0.63
S-14	SGZ	01/23/2023	µg/L	0.50 UJ	0	0
S-14	SGZ	08/02/2023	µg/L	<0.50	0	0
S-14	SGZ	01/18/2024	µg/L	<0.50	0	0
S-14	SGZ	08/28/2024	µg/L	<0.50	0	0
S-14	SGZ	01/07/2025	µg/L	1.2	1.2	1.2
S-14	SGZ	07/07/2025	µg/L	<0.50	0	0
S-16	SGZ	06/01/1995	µg/L	2300 / 2100	2200	--
S-16	SGZ	07/09/1997	µg/L	2000	2000	--
S-16	SGZ	02/10/1998	µg/L	2270	2270	--
S-16	SGZ	08/26/1998	µg/L	1800	1800	--
S-16	SGZ	02/07/1999	µg/L	1700	1700	--
S-16	SGZ	08/12/1999	µg/L	1800	1800	--
S-16	SGZ	02/15/2000	µg/L	1500	1500	--
S-16	SGZ	08/10/2000	µg/L	1800	1800	--
S-16	SGZ	02/13/2001	µg/L	1500	1500	--
S-16	SGZ	08/16/2001	µg/L	2300	2300	--
S-16	SGZ	03/05/2002	µg/L	1500	1500	--
S-16	SGZ	08/26/2002	µg/L	1700 / 1600	1650	--

Monitoring Data for Trichloroethene (TCE) in Groundwater
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WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
S-16	SGZ	03/13/2003	µg/L	1000 / 1000	1000	--
S-16	SGZ	09/03/2003	µg/L	280	280	--
S-16	SGZ	02/25/2004	µg/L	1800	1800	--
S-16	SGZ	08/11/2004	µg/L	1600	1600	--
S-16	SGZ	03/03/2005	µg/L	780 J / 580 J	680	--
S-16	SGZ	08/05/2005	µg/L	1500	1500	--
S-16	SGZ	02/24/2006	µg/L	2400 / 2400	2400	--
S-16	SGZ	08/04/2006	µg/L	1700	1700	--
S-16	SGZ	03/14/2007	µg/L	1900	1900	--
S-16	SGZ	11/16/2007	µg/L	1700	1700	--
S-16	SGZ	02/18/2008	µg/L	1900	1900	--
S-16	SGZ	08/15/2008	µg/L	590	590	--
S-16	SGZ	02/13/2009	µg/L	710	710	--
S-16	SGZ	08/10/2009	µg/L	1100	1100	--
S-16	SGZ	02/11/2010	µg/L	78	78	--
S-16	SGZ	08/16/2012	µg/L	150	150	--
S-16	SGZ	02/21/2013	µg/L	100	100	--
S-16	SGZ	08/15/2013	µg/L	180	180	--
S-16	SGZ	02/18/2014	µg/L	360	360	--
S-16	SGZ	07/24/2014	µg/L	310	310	--
S-16	SGZ	02/10/2015	µg/L	290	290	--
S-16	SGZ	07/15/2015	µg/L	160	160	--
S-16	SGZ	01/20/2016	µg/L	280	280	-- *
S-16	SGZ	07/14/2016	µg/L	350	350	350
S-16	SGZ	01/25/2017	µg/L	380	380	-- *
S-16	SGZ	07/20/2017	µg/L	390	390	390
S-16	SGZ	02/08/2018	µg/L	380	380	-- *
S-16	SGZ	07/20/2018	µg/L	280	280	280
S-16	SGZ	01/23/2019	µg/L	250	250	-- *
S-16	SGZ	07/25/2019	µg/L	220	220	220
S-16	SGZ	07/28/2020	µg/L	220	220	220
S-16	SGZ	07/20/2021	µg/L	93	93	93
S-16	SGZ	07/25/2022	µg/L	86	86	86
S-16	SGZ	08/14/2023	µg/L	<0.50	0	-- *
S-16	SGZ	11/21/2023	µg/L	7.1 J / 0.50 UJ	7.1	7.1
S-16	SGZ	09/09/2024	µg/L	32	32	32
S-16	SGZ	07/07/2025	µg/L	41	41	41
S-18	SGZ	07/11/1995	µg/L	56	56	--
S-18	SGZ	07/10/1997	µg/L	94	94	--
S-18	SGZ	02/08/1998	µg/L	144 / 125	134.5	--
S-18	SGZ	08/25/1998	µg/L	180	180	--
S-18	SGZ	02/05/1999	µg/L	140	140	--
S-18	SGZ	08/11/1999	µg/L	140	140	--
S-18	SGZ	02/14/2000	µg/L	130 / 130	130	--
S-18	SGZ	08/09/2000	µg/L	150 / 150	150	--
S-18	SGZ	02/12/2001	µg/L	150	150	--
S-18	SGZ	08/15/2001	µg/L	130	130	--
S-18	SGZ	03/05/2002	µg/L	140	140	--
S-18	SGZ	08/26/2002	µg/L	120	120	--

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WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
S-18	SGZ	03/11/2003	µg/L	140	140	--
S-18	SGZ	08/29/2003	µg/L	120	120	--
S-18	SGZ	02/20/2004	µg/L	140	140	--
S-18	SGZ	08/09/2004	µg/L	120	120	--
S-18	SGZ	03/01/2005	µg/L	60	60	--
S-18	SGZ	08/03/2005	µg/L	100 / 100	100	--
S-18	SGZ	02/23/2006	µg/L	130	130	--
S-18	SGZ	08/03/2006	µg/L	130	130	--
S-18	SGZ	03/08/2007	µg/L	130	130	--
S-18	SGZ	11/14/2007	µg/L	94	94	--
S-18	SGZ	02/13/2008	µg/L	94	94	--
S-18	SGZ	08/12/2008	µg/L	86	86	--
S-18	SGZ	08/12/2009	µg/L	100	100	--
S-18	SGZ	02/09/2010	µg/L	59	59	--
S-18	SGZ	08/09/2011	µg/L	82	82	--
S-18	SGZ	08/06/2012	µg/L	88 / 84	86	--
S-18	SGZ	08/22/2013	µg/L	43	43	--
S-18	SGZ	07/31/2014	µg/L	47 / 42	44.5	--
S-18	SGZ	07/10/2015	µg/L	33 / 33	33	--
S-18	SGZ	07/29/2016	µg/L	44	44	44
S-18	SGZ	07/25/2017	µg/L	41	41	41
S-18	SGZ	07/25/2018	µg/L	42	42	42
S-18	SGZ	07/19/2019	µg/L	33	33	33
S-18	SGZ	07/30/2020	µg/L	46	46	46
S-18	SGZ	07/14/2021	µg/L	42	42	42
S-18	SGZ	07/27/2022	µg/L	44	44	44
S-18	SGZ	08/02/2023	µg/L	13 / 13	13	13
S-18	SGZ	08/19/2024	µg/L	30	30	30
S-18	SGZ	07/22/2025	µg/L	19 / 18	18.5	18.5
S-19	SGZ	07/12/1995	µg/L	5.7	5.7	--
S-19	SGZ	07/09/1997	µg/L	3.2	3.2	--
S-19	SGZ	02/07/1998	µg/L	3.11	3.11	--
S-19	SGZ	08/27/1998	µg/L	3.6	3.6	--
S-19	SGZ	02/03/1999	µg/L	3.9	3.9	--
S-19	SGZ	08/10/1999	µg/L	2.7	2.7	--
S-19	SGZ	02/12/2000	µg/L	2.4	2.4	--
S-19	SGZ	08/08/2000	µg/L	2.5	2.5	--
S-19	SGZ	02/10/2001	µg/L	2.9 / 2.9	2.9	--
S-19	SGZ	08/14/2001	µg/L	2.6	2.6	--
S-19	SGZ	02/28/2002	µg/L	2.2	2.2	--
S-19	SGZ	08/22/2002	µg/L	2.7	2.7	--
S-19	SGZ	03/10/2003	µg/L	3.5	3.5	--
S-19	SGZ	08/27/2003	µg/L	2.5	2.5	--
S-19	SGZ	02/24/2004	µg/L	1.8	1.8	--
S-19	SGZ	08/06/2004	µg/L	1.1	1.1	--
S-19	SGZ	03/01/2005	µg/L	<1.2	0	--
S-19	SGZ	08/04/2005	µg/L	1.7	1.7	--
S-19	SGZ	02/23/2006	µg/L	1.1	1.1	--
S-19	SGZ	08/07/2006	µg/L	<1.4	0	--

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WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
S-19	SGZ	10/24/2007	µg/L	1.8	1.8	--
S-19	SGZ	05/07/2008	µg/L	3.9	3.9	--
S-19	SGZ	08/07/2008	µg/L	1.6	1.6	--
S-19	SGZ	02/03/2009	µg/L	0.93	0.93	--
S-19	SGZ	08/04/2009	µg/L	0.63	0.63	--
S-19	SGZ	02/09/2010	µg/L	0.90	0.9	--
S-19	SGZ	08/17/2010	µg/L	0.74 / 0.68	0.71	--
S-19	SGZ	02/08/2011	µg/L	0.68	0.68	--
S-19	SGZ	08/02/2011	µg/L	<0.5	0	--
S-19	SGZ	02/14/2012	µg/L	<0.5	0	--
S-19	SGZ	08/24/2012	µg/L	<0.5	0	--
S-19	SGZ	02/19/2013	µg/L	<0.5	0	--
S-19	SGZ	08/28/2013	µg/L	<0.50	0	--
S-19	SGZ	02/13/2014	µg/L	<0.50	0	--
S-19	SGZ	08/12/2014	µg/L	<0.50	0	--
S-19	SGZ	02/04/2015	µg/L	<0.50 / <0.50	0	--
S-19	SGZ	07/24/2015	µg/L	<0.50	0	--
S-19	SGZ	01/15/2016	µg/L	<0.50	0	-- *
S-19	SGZ	07/26/2016	µg/L	<0.50	0	0
S-19	SGZ	01/30/2017	µg/L	<0.50	0	-- *
S-19	SGZ	07/10/2017	µg/L	<0.50	0	0
S-19	SGZ	02/22/2018	µg/L	<0.50	0	-- *
S-19	SGZ	08/14/2018	µg/L	<0.50	0	0
S-19	SGZ	01/25/2019	µg/L	<0.50	0	-- *
S-19	SGZ	09/16/2019	µg/L	<0.50	0	0
S-19	SGZ	08/04/2020	µg/L	<0.50	0	0
S-19	SGZ	07/15/2021	µg/L	<0.50	0	0
S-19	SGZ	07/25/2022	µg/L	<0.50	0	0
S-19	SGZ	09/14/2023	µg/L	<0.50	0	0
S-19	SGZ	08/27/2024	µg/L	<0.50	0	0
S-19	SGZ	07/07/2025	µg/L	<0.50	0	0
S-20	SGZ	06/05/1995	µg/L	2.9	2.9	--
S-20	SGZ	04/01/1996	µg/L	<1	0	--
S-20	SGZ	07/10/1997	µg/L	<1	0	--
S-20	SGZ	02/06/1998	µg/L	<1	0	--
S-20	SGZ	08/19/1998	µg/L	<2	0	--
S-20	SGZ	02/03/1999	µg/L	<2	0	--
S-20	SGZ	08/03/2006	µg/L	130	130	--
S-20	SGZ	03/13/2007	µg/L	<0.5	0	--
S-20	SGZ	11/12/2007	µg/L	<0.5	0	--
S-20	SGZ	02/11/2008	µg/L	<0.5	0	--
S-20	SGZ	08/06/2008	µg/L	1	1	--
S-20	SGZ	08/04/2009	µg/L	<0.50	0	--
S-20	SGZ	02/01/2010	µg/L	<0.50	0	--
S-20	SGZ	08/04/2010	µg/L	<0.50	0	--
S-20	SGZ	02/03/2011	µg/L	<0.50	0	--
S-20	SGZ	08/01/2011	µg/L	<0.5	0	--
S-20	SGZ	02/07/2012	µg/L	<0.5	0	--
S-20	SGZ	02/07/2012	µg/L	<0.5	0	--

Monitoring Data for Trichloroethene (TCE) in Groundwater
Shallow Groundwater Zone Wells
TIAA Superfund Site - Airport Property
Tucson, Arizona

WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
S-20	SGZ	08/13/2012	µg/L	<0.5	0	--
S-20	SGZ	08/13/2012	µg/L	<0.5	0	--
S-20	SGZ	02/18/2013	µg/L	<0.5	0	--
S-20	SGZ	08/28/2013	µg/L	<0.50	0	--
S-20	SGZ	02/13/2014	µg/L	<0.50	0	--
S-20	SGZ	08/08/2014	µg/L	<0.50	0	--
S-20	SGZ	02/02/2015	µg/L	<0.50	0	--
S-20	SGZ	07/16/2015	µg/L	<0.50	0	--
S-20	SGZ	01/14/2016	µg/L	<0.50	0	-- *
S-20	SGZ	07/28/2016	µg/L	<0.50	0	0
S-20	SGZ	01/30/2017	µg/L	<0.50	0	-- *
S-20	SGZ	07/11/2017	µg/L	<0.50	0	0
S-20	SGZ	02/23/2018	µg/L	<0.50	0	-- *
S-20	SGZ	08/13/2018	µg/L	<0.50	0	0
S-20	SGZ	01/31/2019	µg/L	<0.50	0	-- *
S-20	SGZ	07/22/2019	µg/L	<0.50	0	0
S-20	SGZ	08/03/2020	µg/L	<0.50 / <0.50	0	0
S-20	SGZ	07/15/2021	µg/L	<0.50	0	0
S-20	SGZ	07/26/2022	µg/L	<5.0	0	0
S-20	SGZ	07/18/2023	µg/L	<0.50	0	0
S-20	SGZ	08/13/2024	µg/L	<0.50	0	0
S-20	SGZ	07/09/2025	µg/L	<0.50	0	0
S-21	SGZ	10/22/1995	µg/L	21	21	--
S-21	SGZ	07/17/1997	µg/L	0.8	0.8	--
S-21	SGZ	02/06/1998	µg/L	0.43	0.43	--
S-21	SGZ	08/20/1998	µg/L	<2 / <2	0	--
S-21	SGZ	02/04/1999	µg/L	<2	0	--
S-21	SGZ	08/10/1999	µg/L	<2	0	--
S-21	SGZ	02/12/2000	µg/L	<0.68	0	--
S-21	SGZ	08/08/2000	µg/L	<2	0	--
S-21	SGZ	02/10/2001	µg/L	<0.47	0	--
S-21	SGZ	08/14/2001	µg/L	<2	0	--
S-21	SGZ	02/28/2002	µg/L	<1.0	0	--
S-21	SGZ	08/26/2002	µg/L	<1.0	0	--
S-21	SGZ	03/05/2003	µg/L	<1.0	0	--
S-21	SGZ	08/27/2003	µg/L	<0.5	0	--
S-21	SGZ	02/18/2004	µg/L	<0.5 / <0.5	0	--
S-21	SGZ	08/05/2004	µg/L	<0.5	0	--
S-21	SGZ	02/23/2005	µg/L	<0.5	0	--
S-21	SGZ	08/02/2005	µg/L	<0.50	0	--
S-21	SGZ	02/20/2006	µg/L	<0.5	0	--
S-21	SGZ	08/04/2006	µg/L	<0.5	0	--
S-21	SGZ	03/09/2007	µg/L	<0.5 / <0.5	0	--
S-21	SGZ	11/12/2007	µg/L	<0.5	0	--
S-21	SGZ	02/11/2008	µg/L	<0.5	0	--
S-21	SGZ	08/06/2008	µg/L	<0.5	0	--
S-21	SGZ	08/04/2009	µg/L	0.69	0.69	--
S-21	SGZ	02/03/2010	µg/L	6.2	6.2	--
S-21	SGZ	08/09/2010	µg/L	9.2	9.2	--

Monitoring Data for Trichloroethene (TCE) in Groundwater
Shallow Groundwater Zone Wells
TIAA Superfund Site - Airport Property
Tucson, Arizona

WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
S-21	SGZ	02/10/2011	µg/L	30	30	--
S-21	SGZ	08/08/2011	µg/L	32	32	--
S-21	SGZ	02/09/2012	µg/L	20	20	--
S-21	SGZ	08/09/2012	µg/L	13	13	--
S-21	SGZ	02/13/2013	µg/L	6.8	6.8	--
S-21	SGZ	08/21/2013	µg/L	2.9	2.9	--
S-21	SGZ	02/20/2014	µg/L	1.5	1.5	--
S-21	SGZ	07/29/2014	µg/L	0.92	0.92	--
S-21	SGZ	01/27/2015	µg/L	1.8	1.8	--
S-21	SGZ	07/09/2015	µg/L	0.71 J	0.71	--
S-21	SGZ	01/14/2016	µg/L	<0.50	0	-- *
S-21	SGZ	07/26/2016	µg/L	1.4	1.4	1.4
S-21	SGZ	01/27/2017	µg/L	<0.50 / <0.50	0	-- *
S-21	SGZ	07/21/2017	µg/L	0.68	0.68	0.68
S-21	SGZ	02/21/2018	µg/L	<0.50 / <0.50	0	-- *
S-21	SGZ	08/14/2018	µg/L	0.61 / 0.60	0.605	0.605
S-21	SGZ	01/24/2019	µg/L	<0.50	0	-- *
S-21	SGZ	07/29/2019	µg/L	1.4	1.4	1.4
S-21	SGZ	08/05/2020	µg/L	<0.59	0	0
S-21	SGZ	07/19/2021	µg/L	<0.50	0	0
S-21	SGZ	07/20/2022	µg/L	0.64	0.64	0.64
S-21	SGZ	07/19/2023	µg/L	0.57	0.57	0.57
S-21	SGZ	08/12/2024	µg/L	0.60	0.6	0.6
S-21	SGZ	07/17/2025	µg/L	0.52 / 0.52	0.52	0.52
S-23	SGZ	12/15/1995	µg/L	1.7	1.7	--
S-23	SGZ	07/09/1997	µg/L	3.2	3.2	--
S-23	SGZ	02/06/1998	µg/L	2.3	2.3	--
S-23	SGZ	08/19/1998	µg/L	2.9	2.9	--
S-23	SGZ	02/03/1999	µg/L	2.3	2.3	--
S-23	SGZ	08/10/1999	µg/L	1.9	1.9	--
S-23	SGZ	02/12/2000	µg/L	<0.68	0	--
S-23	SGZ	08/08/2000	µg/L	2.1 / 2	2.05	--
S-23	SGZ	02/10/2001	µg/L	2.2	2.2	--
S-23	SGZ	08/14/2001	µg/L	2.2	2.2	--
S-23	SGZ	08/21/2002	µg/L	0.68 J	0.68	--
S-23	SGZ	03/04/2003	µg/L	<1.0	0	--
S-23	SGZ	08/25/2003	µg/L	<5	0	--
S-23	SGZ	02/18/2004	µg/L	<0.5	0	--
S-23	SGZ	08/11/2004	µg/L	<5	0	--
S-23	SGZ	02/23/2005	µg/L	<0.5	0	--
S-23	SGZ	08/03/2005	µg/L	0.98	0.98	--
S-23	SGZ	02/17/2006	µg/L	1.3	1.3	--
S-23	SGZ	08/01/2006	µg/L	0.58	0.58	--
S-23	SGZ	03/13/2007	µg/L	1.1	1.1	--
S-23	SGZ	11/12/2007	µg/L	<0.5 / <0.5	0	--
S-23	SGZ	02/11/2008	µg/L	0.82	0.82	--
S-23	SGZ	08/07/2008	µg/L	1.2 / 1.3	1.25	--
S-23	SGZ	02/06/2009	µg/L	0.59	0.59	--
S-23	SGZ	08/04/2009	µg/L	<0.50	0	--

Monitoring Data for Trichloroethene (TCE) in Groundwater
Shallow Groundwater Zone Wells
TIAA Superfund Site - Airport Property
Tucson, Arizona

WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
S-23	SGZ	02/02/2010	µg/L	<0.50	0	--
S-23	SGZ	08/05/2010	µg/L	<0.50	0	--
S-23	SGZ	02/07/2011	µg/L	0.65	0.65	--
S-23	SGZ	08/02/2011	µg/L	<0.5	0	--
S-23	SGZ	02/08/2012	µg/L	<0.5	0	--
S-23	SGZ	08/08/2012	µg/L	<0.5 / <0.5	0	--
S-23	SGZ	02/05/2013	µg/L	<0.5	0	--
S-23	SGZ	08/06/2013	µg/L	<0.5	0	--
S-23	SGZ	02/04/2014	µg/L	<0.50	0	--
S-23	SGZ	07/28/2014	µg/L	<0.50	0	--
S-23	SGZ	01/26/2015	µg/L	<0.50	0	--
S-23	SGZ	07/07/2015	µg/L	<0.50 / <0.50	0	--
S-23	SGZ	01/13/2016	µg/L	<0.50	0	--
S-23	SGZ	07/22/2016	µg/L	0.63	0.63	--
S-23	SGZ	01/20/2017	µg/L	0.67	0.67	--
S-23	SGZ	07/11/2017	µg/L	1.5	1.5	--
S-23	SGZ	02/23/2018	µg/L	0.93	0.93	--
S-23	SGZ	08/14/2018	µg/L	1.5	1.5	--
S-23	SGZ	01/29/2019	µg/L	2.0	2	--
S-23	SGZ	07/24/2019	µg/L	2.3	2.3	--
S-23	SGZ	02/03/2020	µg/L	1.9	1.9	--
S-23	SGZ	08/03/2020	µg/L	1.7	1.7	--
S-23	SGZ	01/25/2021	µg/L	2.1	2.1	2.1
S-23	SGZ	07/16/2021	µg/L	2.1	2.1	2.1
S-23	SGZ	01/21/2022	µg/L	1.8 / 1.8	1.8	1.8
S-23	SGZ	07/20/2022	µg/L	1.0	1	1
S-23	SGZ	01/20/2023	µg/L	1.5	1.5	1.5
S-23	SGZ	08/03/2023	µg/L	2.1 J+	2.1	2.1
S-23	SGZ	01/25/2024	µg/L	1.6	1.6	1.6
S-23	SGZ	08/29/2024	µg/L	1.9 / 2.0	1.95	1.95
S-23	SGZ	01/20/2025	µg/L	2.2	2.2	2.2
S-23	SGZ	07/17/2025	µg/L	2.1	2.1	2.1
S-24	SGZ	12/15/1995	µg/L	5.1	5.1	--
S-24	SGZ	07/14/1997	µg/L	<25 / 5.1	5.1	--
S-24	SGZ	02/08/1998	µg/L	6.6	6.6	--
S-24	SGZ	08/25/1998	µg/L	<10	0	--
S-24	SGZ	02/07/1999	µg/L	5.6	5.6	--
S-24	SGZ	08/11/1999	µg/L	5.2	5.2	--
S-24	SGZ	02/14/2000	µg/L	4.5	4.5	--
S-24	SGZ	08/10/2000	µg/L	5.3 / 4.8	5.05	--
S-24	SGZ	02/12/2001	µg/L	6 / 5.5	5.75	--
S-24	SGZ	08/15/2001	µg/L	5.2	5.2	--
S-24	SGZ	03/05/2002	µg/L	6.4 / 6.2	6.3	--
S-24	SGZ	08/21/2002	µg/L	6.7	6.7	--
S-24	SGZ	03/10/2003	µg/L	7.0	7	--
S-24	SGZ	09/02/2003	µg/L	7 / 7.2	7.1	--
S-24	SGZ	08/10/2004	µg/L	9.5	9.5	--
S-24	SGZ	02/28/2005	µg/L	9.2	9.2	--
S-24	SGZ	08/02/2005	µg/L	10.0	10	--

Monitoring Data for Trichloroethene (TCE) in Groundwater
Shallow Groundwater Zone Wells
TIAA Superfund Site - Airport Property
Tucson, Arizona

WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
S-24	SGZ	02/17/2006	µg/L	11	11	--
S-24	SGZ	08/02/2006	µg/L	9.7	9.7	--
S-24	SGZ	03/08/2007	µg/L	10	10	--
S-24	SGZ	11/13/2007	µg/L	11	11	--
S-24	SGZ	02/12/2008	µg/L	14 / 14	14	--
S-24	SGZ	08/11/2008	µg/L	15	15	--
S-24	SGZ	02/09/2009	µg/L	13	13	--
S-24	SGZ	08/06/2009	µg/L	14	14	--
S-24	SGZ	02/05/2010	µg/L	16	16	--
S-24	SGZ	08/10/2010	µg/L	15	15	--
S-24	SGZ	02/10/2011	µg/L	15	15	--
S-24	SGZ	08/08/2011	µg/L	15	15	--
S-24	SGZ	02/09/2012	µg/L	17	17	--
S-24	SGZ	08/09/2012	µg/L	15	15	--
S-24	SGZ	02/05/2013	µg/L	13	13	--
S-24	SGZ	08/20/2013	µg/L	15 / 15	15	--
S-24	SGZ	02/07/2014	µg/L	13	13	--
S-24	SGZ	07/28/2014	µg/L	20 / 20	20	--
S-24	SGZ	01/26/2015	µg/L	16	16	--
S-24	SGZ	07/07/2015	µg/L	19	19	--
S-24	SGZ	01/14/2016	µg/L	15 / 15	15	--
S-24	SGZ	07/29/2016	µg/L	19	19	--
S-24	SGZ	01/20/2017	µg/L	17	17	--
S-24	SGZ	07/21/2017	µg/L	17 / 17	17	--
S-24	SGZ	02/26/2018	µg/L	16	16	--
S-24	SGZ	08/14/2018	µg/L	18	18	--
S-24	SGZ	01/29/2019	µg/L	20	20	--
S-24	SGZ	07/22/2019	µg/L	18	18	--
S-24	SGZ	02/03/2020	µg/L	15	15	--
S-24	SGZ	07/28/2020	µg/L	9.8	9.8	--
S-24	SGZ	01/25/2021	µg/L	14	14	14
S-24	SGZ	07/14/2021	µg/L	12	12	12
S-24	SGZ	01/21/2022	µg/L	9.9	9.9	9.9
S-24	SGZ	07/19/2022	µg/L	13 / 13	13	13
S-24	SGZ	01/16/2023	µg/L	10	10	10
S-24	SGZ	07/19/2023	µg/L	9.1	9.1	9.1
S-24	SGZ	01/12/2024	µg/L	17	17	17
S-24	SGZ	08/23/2024	µg/L	22	22	22
S-26	SGZ	12/15/1995	µg/L	15 / 19	17	--
S-26	SGZ	07/14/1997	µg/L	18	18	--
S-26	SGZ	02/08/1998	µg/L	45.3	45.3	--
S-26	SGZ	08/25/1998	µg/L	63 / 60	61.5	--
S-26	SGZ	02/07/1999	µg/L	57	57	--
S-26	SGZ	08/12/1999	µg/L	73	73	--
S-26	SGZ	02/15/2000	µg/L	71	71	--
S-26	SGZ	08/10/2000	µg/L	83	83	--
S-26	SGZ	02/13/2001	µg/L	96	96	--
S-26	SGZ	08/16/2001	µg/L	79	79	--
S-26	SGZ	03/06/2002	µg/L	88	88	--

Monitoring Data for Trichloroethene (TCE) in Groundwater
Shallow Groundwater Zone Wells
TIAA Superfund Site - Airport Property
Tucson, Arizona

WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
S-26	SGZ	08/26/2002	µg/L	98	98	--
S-26	SGZ	03/13/2003	µg/L	94	94	--
S-26	SGZ	09/03/2003	µg/L	110	110	--
S-26	SGZ	02/20/2004	µg/L	85	85	--
S-26	SGZ	08/11/2004	µg/L	150	150	--
S-26	SGZ	02/28/2005	µg/L	120	120	--
S-26	SGZ	08/02/2005	µg/L	130 / 130	130	--
S-26	SGZ	02/21/2006	µg/L	120	120	--
S-26	SGZ	08/03/2006	µg/L	<0.5 / 120	120	--
S-26	SGZ	03/09/2007	µg/L	140	140	--
S-26	SGZ	11/14/2007	µg/L	120	120	--
S-26	SGZ	02/14/2008	µg/L	140	140	--
S-26	SGZ	08/13/2008	µg/L	140	140	--
S-26	SGZ	02/10/2009	µg/L	150	150	--
S-26	SGZ	08/10/2009	µg/L	130	130	--
S-26	SGZ	02/09/2010	µg/L	140	140	--
S-26	SGZ	02/11/2011	µg/L	130	130	--
S-26	SGZ	08/10/2011	µg/L	120	120	--
S-26	SGZ	02/09/2012	µg/L	110	110	--
S-26	SGZ	08/09/2012	µg/L	85	85	--
S-26	SGZ	02/13/2013	µg/L	100	100	--
S-26	SGZ	08/21/2013	µg/L	98	98	--
S-26	SGZ	02/20/2014	µg/L	100	100	--
S-26	SGZ	07/28/2014	µg/L	81	81	--
S-26	SGZ	01/27/2015	µg/L	96	96	--
S-26	SGZ	07/09/2015	µg/L	91	91	--
S-26	SGZ	01/14/2016	µg/L	73	73	--
S-26	SGZ	07/29/2016	µg/L	74 / 79	76.5	--
S-26	SGZ	01/20/2017	µg/L	84	84	--
S-26	SGZ	07/21/2017	µg/L	77	77	--
S-26	SGZ	02/22/2018	µg/L	72 / 75	73.5	--
S-26	SGZ	08/14/2018	µg/L	72	72	--
S-26	SGZ	01/29/2019	µg/L	79	79	--
S-26	SGZ	07/22/2019	µg/L	86	86	--
S-26	SGZ	02/03/2020	µg/L	72	72	--
S-26	SGZ	07/30/2020	µg/L	55	55	--
S-26	SGZ	01/25/2021	µg/L	58	58	58
S-26	SGZ	07/14/2021	µg/L	49	49	49
S-26	SGZ	01/24/2022	µg/L	48	48	48
S-26	SGZ	07/22/2022	µg/L	53 / 53	53	53
S-26	SGZ	01/17/2023	µg/L	46	46	46
S-26	SGZ	08/03/2023	µg/L	59 J+	59	59
S-26	SGZ	01/25/2024	µg/L	47 / 49	48	48
S-26	SGZ	08/12/2024	µg/L	49 / 48	48.5	48.5
S-26	SGZ	01/21/2025	µg/L	47	47	47
S-26	SGZ	07/18/2025	µg/L	42	42	42
S-27	SGZ	03/10/1996	µg/L	430	430	--
S-27	SGZ	04/11/1996	µg/L	1000 / 1000	1000	--
S-27	SGZ	07/13/1997	µg/L	2100	2100	--

Monitoring Data for Trichloroethene (TCE) in Groundwater
Shallow Groundwater Zone Wells
TIAA Superfund Site - Airport Property
Tucson, Arizona

WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
S-27	SGZ	02/05/1999	µg/L	1700	1700	--
S-27	SGZ	03/05/2007	µg/L	6400	6400	--
S-27	SGZ	11/16/2007	µg/L	2800	2800	--
S-27	SGZ	02/19/2008	µg/L	2500	2500	--
S-27	SGZ	08/15/2008	µg/L	1500	1500	--
S-27	SGZ	08/13/2009	µg/L	1100	1100	--
S-27	SGZ	02/10/2010	µg/L	880	880	--
S-27	SGZ	02/11/2011	µg/L	660	660	--
S-27	SGZ	08/09/2011	µg/L	460	460	--
S-27	SGZ	08/23/2012	µg/L	380	380	--
S-27	SGZ	08/30/2013	µg/L	260	260	--
S-27	SGZ	08/14/2014	µg/L	320	320	--
S-27	SGZ	07/23/2015	µg/L	200	200	--
S-27	SGZ	07/28/2016	µg/L	240	240	240
S-27	SGZ	07/28/2017	µg/L	170 / 170	170	170
S-27	SGZ	07/25/2018	µg/L	130	130	130
S-27	SGZ	07/19/2019	µg/L	130	130	130
S-27	SGZ	07/30/2020	µg/L	73	73	73
S-27	SGZ	07/14/2021	µg/L	55	55	55
S-27	SGZ	07/20/2022	µg/L	46	46	46
S-27	SGZ	07/20/2023	µg/L	40	40	40
S-27	SGZ	08/28/2024	µg/L	47 / 47	47	47
S-27	SGZ	07/01/2025	µg/L	42	42	42
S-28	SGZ	04/10/1996	µg/L	<1	0	--
S-28	SGZ	07/12/1997	µg/L	<1	0	--
S-28	SGZ	02/02/1999	µg/L	<2	0	--
S-28	SGZ	03/05/2007	µg/L	<0.5	0	--
S-28	SGZ	08/20/2009	µg/L	<0.50	0	--
S-28	SGZ	02/10/2010	µg/L	<0.50	0	--
S-28	SGZ	08/12/2010	µg/L	<0.50	0	--
S-28	SGZ	02/15/2011	µg/L	<0.50	0	--
S-28	SGZ	08/15/2011	µg/L	<0.5	0	--
S-28	SGZ	02/10/2012	µg/L	<0.5	0	--
S-28	SGZ	08/03/2012	µg/L	<0.5	0	--
S-28	SGZ	02/08/2013	µg/L	<0.5	0	--
S-28	SGZ	08/26/2013	µg/L	<0.50	0	--
S-28	SGZ	02/12/2014	µg/L	<0.50	0	--
S-28	SGZ	08/07/2014	µg/L	<0.50	0	--
S-28	SGZ	02/06/2015	µg/L	<0.50	0	--
S-28	SGZ	07/20/2015	µg/L	<0.50	0	--
S-28	SGZ	01/20/2016	µg/L	<0.50	0	-- *
S-28	SGZ	07/27/2016	µg/L	<0.50	0	0
S-28	SGZ	01/30/2017	µg/L	<0.50	0	-- *
S-28	SGZ	07/28/2017	µg/L	<0.50	0	0
S-28	SGZ	02/23/2018	µg/L	<0.50	0	-- *
S-28	SGZ	08/13/2018	µg/L	<0.50	0	0
S-28	SGZ	01/30/2019	µg/L	<0.50	0	-- *
S-28	SGZ	07/11/2019	µg/L	<0.50	0	0
S-28	SGZ	07/29/2020	µg/L	<0.50	0	0

Monitoring Data for Trichloroethene (TCE) in Groundwater
Shallow Groundwater Zone Wells
TIAA Superfund Site - Airport Property
Tucson, Arizona

WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
S-28	SGZ	07/29/2020	µg/L	<0.50	0	0
S-28	SGZ	07/12/2021	µg/L	<0.50	0	0
S-28	SGZ	07/07/2022	µg/L	<0.50	0	0
S-28	SGZ	07/17/2023	µg/L	<0.50	0	0
S-28	SGZ	08/28/2024	µg/L	<0.50	0	0
S-28	SGZ	07/25/2025	µg/L	<0.50	0	0
S-36	SGZ	07/08/1997	µg/L	<1	0	0
S-36	SGZ	02/07/1998	µg/L	<1	0	0
S-36	SGZ	08/16/2006	µg/L	<0.5	0	0
S-36	SGZ	03/08/2007	µg/L	R	N/A	N/A
S-36	SGZ	04/17/2007	µg/L	<0.5	0	0
S-36	SGZ	02/16/2012	µg/L	0.64	0.64	0.64
S-36	SGZ	01/24/2017	µg/L	0.66	0.66	0.66
S-36	SGZ	01/19/2022	µg/L	<0.50	0	0
S-36	SGZ	09/17/2024	µg/L	<0.50	0	0
CRA-31S	SGZ	12/01/2009	µg/L	<0.50	0	--
CRA-31S	SGZ	02/01/2010	µg/L	<0.50	0	--
CRA-31S	SGZ	08/04/2010	µg/L	<0.50	0	--
CRA-31S	SGZ	02/03/2011	µg/L	<0.50	0	--
CRA-31S	SGZ	08/01/2011	µg/L	<0.5	0	--
CRA-31S	SGZ	02/07/2012	µg/L	<0.5	0	--
CRA-31S	SGZ	08/06/2012	µg/L	<0.5	0	--
CRA-31S	SGZ	02/15/2013	µg/L	<0.5	0	--
CRA-31S	SGZ	08/22/2013	µg/L	<0.50	0	--
CRA-31S	SGZ	02/07/2014	µg/L	<0.50	0	--
CRA-31S	SGZ	08/05/2014	µg/L	<0.50	0	--
CRA-31S	SGZ	02/05/2015	µg/L	<0.50	0	--
CRA-31S	SGZ	07/10/2015	µg/L	<0.50	0	--
CRA-31S	SGZ	01/15/2016	µg/L	<0.50	0	-- *
CRA-31S	SGZ	07/25/2016	µg/L	<0.50	0	0
CRA-31S	SGZ	01/27/2017	µg/L	<0.50	0	-- *
CRA-31S	SGZ	07/25/2017	µg/L	<0.50	0	0
CRA-31S	SGZ	02/20/2018	µg/L	<0.50	0	-- *
CRA-31S	SGZ	07/26/2018	µg/L	<0.50	0	0
CRA-31S	SGZ	01/29/2019	µg/L	<0.50 / <0.50	0	-- *
CRA-31S	SGZ	07/24/2019	µg/L	<0.50	0	0
CRA-31S	SGZ	08/03/2020	µg/L	<0.50	0	0
CRA-31S	SGZ	07/16/2021	µg/L	<0.50	0	0
CRA-31S	SGZ	07/25/2022	µg/L	<0.50	0	0
CRA-31S	SGZ	01/12/2023	µg/L	<0.50 / <0.50	0	-- *
CRA-31S	SGZ	09/13/2023	µg/L	<0.50	0	0
CRA-31S	SGZ	09/04/2024	µg/L	<0.50	0	0
CRA-31S	SGZ	07/14/2025	µg/L	<0.50	0	0
CRA-34S	SGZ	11/24/2009	µg/L	0.32	0.32	--
CRA-34S	SGZ	02/02/2010	µg/L	<0.50	0	--
CRA-34S	SGZ	08/05/2010	µg/L	<0.50	0	--
CRA-34S	SGZ	02/04/2011	µg/L	<0.50	0	--
CRA-34S	SGZ	08/02/2011	µg/L	<0.5	0	--
CRA-34S	SGZ	02/07/2012	µg/L	<0.5	0	--

Monitoring Data for Trichloroethene (TCE) in Groundwater
Shallow Groundwater Zone Wells
TIAA Superfund Site - Airport Property
Tucson, Arizona

WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
CRA-34S	SGZ	08/21/2012	µg/L	<0.5	0	--
CRA-34S	SGZ	02/19/2013	µg/L	<0.5	0	--
CRA-34S	SGZ	08/28/2013	µg/L	<0.50	0	--
CRA-34S	SGZ	02/13/2014	µg/L	<0.50	0	--
CRA-34S	SGZ	08/12/2014	µg/L	<0.50	0	--
CRA-34S	SGZ	02/05/2015	µg/L	<0.50	0	--
CRA-34S	SGZ	07/23/2015	µg/L	<0.50	0	--
CRA-34S	SGZ	01/20/2016	µg/L	<0.50	0	-- *
CRA-34S	SGZ	07/26/2016	µg/L	<0.50	0	0
CRA-34S	SGZ	01/27/2017	µg/L	<0.50	0	-- *
CRA-34S	SGZ	07/26/2017	µg/L	<0.50	0	0
CRA-34S	SGZ	02/14/2018	µg/L	<0.50	0	-- *
CRA-34S	SGZ	07/23/2018	µg/L	<0.50 / <0.50	0	0
CRA-34S	SGZ	01/25/2019	µg/L	<0.50	0	-- *
CRA-34S	SGZ	07/29/2019	µg/L	<0.50	0	0
CRA-34S	SGZ	08/05/2020	µg/L	<0.50	0	0
CRA-34S	SGZ	07/19/2021	µg/L	<0.50	0	0
CRA-34S	SGZ	07/26/2022	µg/L	<5.0	0	0
CRA-34S	SGZ	09/12/2023	µg/L	<0.50	0	0
CRA-34S	SGZ	09/03/2024	µg/L	<0.50	0	0
CRA-34S	SGZ	07/08/2025	µg/L	<0.50	0	0
CRA-52S	SGZ	09/18/2012	µg/L	1200	1200	--
CRA-52S	SGZ	02/25/2013	µg/L	2100	2100	--
CRA-52S	SGZ	08/30/2013	µg/L	1400	1400	--
CRA-52S	SGZ	08/30/2013	µg/L	1500	1500	--
CRA-52S	SGZ	02/21/2014	µg/L	2000	2000	--
CRA-52S	SGZ	08/14/2014	µg/L	1700	1700	--
CRA-52S	SGZ	08/14/2014	µg/L	1700	1700	--
CRA-52S	SGZ	02/04/2015	µg/L	890	890	--
CRA-52S	SGZ	07/24/2015	µg/L	1000	1000	--
CRA-52S	SGZ	01/22/2016	µg/L	670 J	670	--
CRA-52S	SGZ	08/01/2016	µg/L	990 J	990	--
CRA-52S	SGZ	01/31/2017	µg/L	1100	1100	--
CRA-52S	SGZ	07/27/2017	µg/L	1000	1000	--
CRA-52S	SGZ	02/15/2018	µg/L	800	800	--
CRA-52S	SGZ	07/25/2018	µg/L	1500	1500	--
CRA-52S	SGZ	01/30/2019	µg/L	1300 J	1300	--
CRA-52S	SGZ	01/30/2019	µg/L	1400 J	1400	--
CRA-52S	SGZ	07/12/2019	µg/L	1000	1000	--
CRA-52S	SGZ	01/27/2020	µg/L	1500	1500	--
CRA-52S	SGZ	07/20/2020	µg/L	1400	1400	--
CRA-52S	SGZ	01/22/2021	µg/L	1900	1900	1900
CRA-52S	SGZ	07/13/2021	µg/L	1600	1600	1600
CRA-52S	SGZ	01/25/2022	µg/L	1700	1700	1700
CRA-52S	SGZ	07/19/2022	µg/L	2000	2000	2000
CRA-52S	SGZ	07/19/2022	µg/L	1900	1900	1900
CRA-52S	SGZ	01/17/2023	µg/L	1600	1600	1600
CRA-52S	SGZ	07/21/2023	µg/L	1100	1100	1100
CRA-52S	SGZ	01/18/2024	µg/L	670	670	670

Monitoring Data for Trichloroethene (TCE) in Groundwater
Shallow Groundwater Zone Wells
TIAA Superfund Site - Airport Property
Tucson, Arizona

WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
CRA-52S	SGZ	01/18/2024	µg/L	650	650	650
CRA-52S	SGZ	08/30/2024	µg/L	610	610	610
CRA-52S	SGZ	08/30/2024	µg/L	600	600	600
CRA-52S	SGZ	01/22/2025	µg/L	580 / 580	580	580
CRA-52S	SGZ	07/01/2025	µg/L	770	770	770
CRA-57S	SGZ	09/18/2012	µg/L	6.1	6.1	--
CRA-57S	SGZ	02/15/2013	µg/L	7.6	7.6	--
CRA-57S	SGZ	08/22/2013	µg/L	6.8	6.8	--
CRA-57S	SGZ	02/06/2014	µg/L	6.5	6.5	--
CRA-57S	SGZ	08/08/2014	µg/L	6.3	6.3	--
CRA-57S	SGZ	01/30/2015	µg/L	6.7	6.7	--
CRA-57S	SGZ	07/10/2015	µg/L	6.1	6.1	--
CRA-57S	SGZ	01/15/2016	µg/L	5.4	5.4	--
CRA-57S	SGZ	07/22/2016	µg/L	6.2	6.2	--
CRA-57S	SGZ	01/26/2017	µg/L	5.7	5.7	--
CRA-57S	SGZ	01/26/2017	µg/L	4.9	4.9	--
CRA-57S	SGZ	07/26/2017	µg/L	5.5	5.5	--
CRA-57S	SGZ	11/15/2017	µg/L	6.0	6	--
CRA-57S	SGZ	02/22/2018	µg/L	6.0	6	--
CRA-57S	SGZ	07/25/2018	µg/L	5.4	5.4	--
CRA-57S	SGZ	01/28/2019	µg/L	6.3	6.3	--
CRA-57S	SGZ	07/29/2019	µg/L	7.3	7.3	--
CRA-57S	SGZ	02/04/2020	µg/L	6.1	6.1	--
CRA-57S	SGZ	08/04/2020	µg/L	5.6	5.6	--
CRA-57S	SGZ	01/26/2021	µg/L	5.5	5.5	5.5
CRA-57S	SGZ	01/26/2021	µg/L	5.5	5.5	5.5
CRA-57S	SGZ	07/14/2021	µg/L	4.8	4.8	4.8
CRA-57S	SGZ	01/26/2022	µg/L	5.5	5.5	5.5
CRA-57S	SGZ	01/26/2022	µg/L	5.5	5.5	5.5
CRA-57S	SGZ	07/26/2022	µg/L	5.4	5.4	5.4
CRA-57S	SGZ	01/19/2023	µg/L	4.4	4.4	4.4
CRA-57S	SGZ	08/02/2023	µg/L	4.7	4.7	4.7
CRA-57S	SGZ	01/12/2024	µg/L	5.5	5.5	5.5
CRA-57S	SGZ	01/10/2025	µg/L	3.6 J+	3.6	3.6
CRA-57S	SGZ	07/22/2025	µg/L	4.6	4.6	4.6
CRA-67S	SGZ	05/06/2016	µg/L	1.1	1.1	--
CRA-67S	SGZ	07/25/2016	µg/L	1.2	1.2	--
CRA-67S	SGZ	01/27/2017	µg/L	1.1	1.1	--
CRA-67S	SGZ	07/25/2017	µg/L	0.92	0.92	--
CRA-67S	SGZ	11/15/2017	µg/L	0.95	0.95	--
CRA-67S	SGZ	02/22/2018	µg/L	0.91	0.91	--
CRA-67S	SGZ	07/26/2018	µg/L	0.88	0.88	--
CRA-67S	SGZ	01/28/2019	µg/L	0.63	0.63	--
CRA-67S	SGZ	07/24/2019	µg/L	0.87	0.87	--
CRA-67S	SGZ	02/04/2020	µg/L	0.68	0.68	--
CRA-67S	SGZ	08/03/2020	µg/L	0.55	0.55	--
CRA-67S	SGZ	08/03/2020	µg/L	0.55	0.55	--
CRA-67S	SGZ	01/26/2021	µg/L	0.51	0.51	0.51
CRA-67S	SGZ	07/16/2021	µg/L	<0.50	0	0

Monitoring Data for Trichloroethene (TCE) in Groundwater
Shallow Groundwater Zone Wells
TIAA Superfund Site - Airport Property
Tucson, Arizona

WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
CRA-67S	SGZ	01/26/2022	µg/L	0.61	0.61	0.61
CRA-67S	SGZ	07/25/2022	µg/L	<0.50	0	0
CRA-67S	SGZ	01/19/2023	µg/L	<0.50	0	0
CRA-67S	SGZ	09/13/2023	µg/L	<0.50	0	0
CRA-67S	SGZ	01/26/2024	µg/L	0.52	0.52	0.52
CRA-67S	SGZ	09/04/2024	µg/L	0.57	0.57	0.57
CRA-67S	SGZ	01/10/2025	µg/L	<0.50	0	0
CRA-67S	SGZ	07/10/2025	µg/L	<0.50	0	0
SVE-7D	SGZ	03/08/2007	µg/L	29	29	--
SVE-7D	SGZ	02/03/2012	µg/L	<0.5	0	--
SVE-7D	SGZ	08/14/2012	µg/L	<0.5	0	--
SVE-7D	SGZ	08/13/2013	µg/L	1	1	--
SVE-7D	SGZ	07/22/2014	µg/L	1.6	1.6	--
SVE-7D	SGZ	07/14/2015	µg/L	<0.50	0	--
SVE-7D	SGZ	07/11/2016	µg/L	<0.50	0	0
SVE-7D	SGZ	07/17/2017	µg/L	<0.50	0	0
SVE-7D	SGZ	07/17/2018	µg/L	<0.50	0	0
SVE-7D	SGZ	07/17/2019	µg/L	<0.50	0	0
SVE-7D	SGZ	07/24/2020	µg/L	<0.50	0	0
SVE-7D	SGZ	07/14/2022	µg/L	<0.50	0	0
SVE-7D	SGZ	08/07/2023	µg/L	<0.50	0	0
SVE-7D	SGZ	09/11/2024	µg/L	<0.50	0	0
SVE-7D	SGZ	08/11/2025	µg/L	1.3	1.3	1.3

Note:
-- * Due to differences in sampling frequency during the earlier period, data were removed to match the current sampling frequency (annual or semi-annual).

Attachment 2

Monitoring Data for Trichloroethene (TCE) in Groundwater Gravel Subunit Wells

Monitoring Data for Trichloroethene (TCE) in Groundwater
Gravel Subunit Wells
TIAA Superfund Site - Airport Property
Tucson, Arizona

WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
S-2	GSU	11/09/1992	µg/L	27	27	--
S-2	GSU	12/07/1993	µg/L	34	34	--
S-2	GSU	07/16/1995	µg/L	53	53	--
S-2	GSU	07/11/1997	µg/L	39	39	--
S-2	GSU	02/09/1998	µg/L	41.8	41.8	--
S-2	GSU	08/25/1998	µg/L	37	37	--
S-2	GSU	02/05/1999	µg/L	28	28	--
S-2	GSU	08/10/1999	µg/L	29	29	--
S-2	GSU	02/13/2000	µg/L	20	20	--
S-2	GSU	08/08/2000	µg/L	18	18	--
S-2	GSU	02/11/2001	µg/L	16	16	--
S-2	GSU	08/14/2001	µg/L	13	13	--
S-2	GSU	03/04/2002	µg/L	16	16	--
S-2	GSU	08/27/2002	µg/L	13	13	--
S-2	GSU	03/07/2003	µg/L	8.2 / 8.0	8.1	--
S-2	GSU	08/29/2003	µg/L	19	19	--
S-2	GSU	02/19/2004	µg/L	31	31	--
S-2	GSU	08/09/2004	µg/L	24	24	--
S-2	GSU	02/24/2005	µg/L	19	19	--
S-2	GSU	08/05/2005	µg/L	34.0	34	--
S-2	GSU	02/21/2006	µg/L	14	14	--
S-2	GSU	08/03/2006	µg/L	6.9	6.9	--
S-2	GSU	03/12/2007	µg/L	5.7	5.7	--
S-2	GSU	02/12/2008	µg/L	12	12	--
S-2	GSU	08/12/2008	µg/L	6.3	6.3	--
S-2	GSU	08/05/2009	µg/L	4.1	4.1	--
S-2	GSU	02/02/2010	µg/L	3.2	3.2	--
S-2	GSU	08/06/2010	µg/L	1.9	1.9	--
S-2	GSU	02/08/2011	µg/L	0.73	0.73	--
S-2	GSU	08/02/2011	µg/L	3.4	3.4	--
S-2	GSU	02/10/2012	µg/L	2.1	2.1	--
S-2	GSU	08/16/2012	µg/L	3.2	3.2	--
S-2	GSU	02/26/2013	µg/L	2	2	--
S-2	GSU	08/27/2013	µg/L	2.2	2.2	--
S-2	GSU	02/17/2014	µg/L	1.1	1.1	--
S-2	GSU	08/13/2014	µg/L	2.3	2.3	--
S-2	GSU	02/10/2015	µg/L	2.5	2.5	--
S-2	GSU	07/21/2015	µg/L	2.2	2.2	--
S-2	GSU	01/19/2016	µg/L	0.64	0.64	--
S-2	GSU	07/27/2016	µg/L	0.99	0.99	--
S-2	GSU	01/30/2017	µg/L	0.61	0.61	--
S-2	GSU	07/27/2017	µg/L	1.3	1.3	--
S-2	GSU	02/26/2018	µg/L	1.3	1.3	--
S-2	GSU	08/14/2018	µg/L	1.7	1.7	--
S-2	GSU	01/25/2019	µg/L	0.60	0.6	--
S-2	GSU	07/12/2019	µg/L	<0.50	0	--
S-2	GSU	01/28/2020	µg/L	0.56	0.56	--

Monitoring Data for Trichloroethene (TCE) in Groundwater
Gravel Subunit Wells
TIAA Superfund Site - Airport Property
Tucson, Arizona

WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
S-2	GSU	07/20/2020	µg/L	1.0	1	--
S-2	GSU	01/22/2021	µg/L	<0.50	0	0
S-2	GSU	07/19/2021	µg/L	<0.50	0	0
S-2	GSU	01/21/2022	µg/L	3.1	3.1	3.1
S-2	GSU	07/14/2022	µg/L	2.2	2.2	2.2
S-2	GSU	01/23/2023	µg/L	0.96 J	0.96	0.96
S-2	GSU	07/21/2023	µg/L	0.64	0.64	0.64
S-2	GSU	01/16/2024	µg/L	1.5	1.5	1.5
S-2	GSU	09/03/2024	µg/L	3.1	3.1	3.1
S-2	GSU	01/08/2025	µg/L	2.0	2	2
S-2	GSU	07/24/2025	µg/L	0.87	0.87	0.87
S-16B	GSU	04/01/1996	µg/L	900	900	--
S-16B	GSU	07/09/1997	µg/L	870	870	--
S-16B	GSU	02/10/1998	µg/L	952	952	--
S-16B	GSU	08/27/1998	µg/L	960	960	--
S-16B	GSU	02/07/1999	µg/L	810	810	--
S-16B	GSU	08/12/1999	µg/L	920	920	--
S-16B	GSU	02/15/2000	µg/L	770 / 1000	885	--
S-16B	GSU	08/10/2000	µg/L	790	790	--
S-16B	GSU	02/13/2001	µg/L	860	860	--
S-16B	GSU	08/16/2001	µg/L	850	850	--
S-16B	GSU	03/06/2002	µg/L	840	840	--
S-16B	GSU	08/26/2002	µg/L	780	780	--
S-16B	GSU	03/13/2003	µg/L	770	770	--
S-16B	GSU	09/03/2003	µg/L	740	740	--
S-16B	GSU	02/24/2004	µg/L	730	730	--
S-16B	GSU	08/10/2004	µg/L	740	740	--
S-16B	GSU	03/03/2005	µg/L	710	710	--
S-16B	GSU	08/05/2005	µg/L	750	750	--
S-16B	GSU	02/24/2006	µg/L	730	730	--
S-16B	GSU	08/08/2006	µg/L	750	750	--
S-16B	GSU	03/14/2007	µg/L	660	660	--
S-16B	GSU	11/16/2007	µg/L	850	850	--
S-16B	GSU	02/18/2008	µg/L	1700	1700	--
S-16B	GSU	08/14/2008	µg/L	1600 / 1600	1600	--
S-16B	GSU	02/13/2009	µg/L	1300	1300	--
S-16B	GSU	08/10/2009	µg/L	980	980	--
S-16B	GSU	02/10/2010	µg/L	790	790	--
S-16B	GSU	08/11/2010	µg/L	570	570	--
S-16B	GSU	02/11/2011	µg/L	740	740	--
S-16B	GSU	08/09/2011	µg/L	640	640	--
S-16B	GSU	02/15/2012	µg/L	500	500	--
S-16B	GSU	08/23/2012	µg/L	460	460	--
S-16B	GSU	02/26/2013	µg/L	410	410	--
S-16B	GSU	08/30/2013	µg/L	280	280	--
S-16B	GSU	02/21/2014	µg/L	270	270	--
S-16B	GSU	08/14/2014	µg/L	300 / 300	300	--
S-16B	GSU	02/10/2015	µg/L	270	270	--
S-16B	GSU	07/24/2015	µg/L	310	310	--

Monitoring Data for Trichloroethene (TCE) in Groundwater
Gravel Subunit Wells
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WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
S-16B	GSU	01/22/2016	µg/L	240	240	--
S-16B	GSU	07/29/2016	µg/L	250	250	--
S-16B	GSU	01/31/2017	µg/L	240	240	--
S-16B	GSU	07/28/2017	µg/L	180	180	--
S-16B	GSU	02/20/2018	µg/L	170	170	--
S-16B	GSU	08/13/2018	µg/L	150	150	--
S-16B	GSU	01/31/2019	µg/L	140	140	--
S-16B	GSU	07/26/2019	µg/L	120	120	--
S-16B	GSU	01/28/2020	µg/L	99 / 99	99	--
S-16B	GSU	08/03/2020	µg/L	83	83	--
S-16B	GSU	01/22/2021	µg/L	84	84	84
S-16B	GSU	07/16/2021	µg/L	74	74	74
S-16B	GSU	01/25/2022	µg/L	71	71	71
S-16B	GSU	07/25/2022	µg/L	72 / 72	72	72
S-16B	GSU	01/19/2023	µg/L	47 J-	47	47
S-16B	GSU	07/20/2023	µg/L	78	78	78
S-16B	GSU	01/11/2024	µg/L	190 / 190	190	190
S-16B	GSU	09/02/2024	µg/L	200	200	200
S-16B	GSU	01/07/2025	µg/L	350 J	350	350
S-16B	GSU	07/02/2025	µg/L	260	260	260
S-21B	GSU	12/15/1995	µg/L	<1	0	--
S-21B	GSU	07/17/1997	µg/L	331 / 252	291.5	--
S-21B	GSU	11/13/1997	µg/L	403	403	--
S-21B	GSU	02/10/1998	µg/L	347	347	--
S-21B	GSU	08/27/1998	µg/L	330 / 330	330	--
S-21B	GSU	02/07/1999	µg/L	280	280	--
S-21B	GSU	08/11/1999	µg/L	300	300	--
S-21B	GSU	02/15/2000	µg/L	290	290	--
S-21B	GSU	08/09/2000	µg/L	280	280	--
S-21B	GSU	02/12/2001	µg/L	320	320	--
S-21B	GSU	08/15/2001	µg/L	300	300	--
S-21B	GSU	03/05/2002	µg/L	370	370	--
S-21B	GSU	08/26/2002	µg/L	340	340	--
S-21B	GSU	03/12/2003	µg/L	330	330	--
S-21B	GSU	09/02/2003	µg/L	280	280	--
S-21B	GSU	02/20/2004	µg/L	320	320	--
S-21B	GSU	08/10/2004	µg/L	320 / 320	320	--
S-21B	GSU	03/01/2005	µg/L	370	370	--
S-21B	GSU	08/02/2005	µg/L	410	410	--
S-21B	GSU	02/20/2006	µg/L	360	360	--
S-21B	GSU	08/04/2006	µg/L	390	390	--
S-21B	GSU	03/09/2007	µg/L	370	370	--
S-21B	GSU	11/15/2007	µg/L	410	410	--
S-21B	GSU	02/14/2008	µg/L	190	190	--
S-21B	GSU	08/13/2008	µg/L	94	94	--
S-21B	GSU	02/10/2009	µg/L	92 / 92	92	--
S-21B	GSU	08/10/2009	µg/L	77	77	--
S-21B	GSU	02/05/2010	µg/L	43	43	--
S-21B	GSU	08/08/2011	µg/L	43	43	--

Monitoring Data for Trichloroethene (TCE) in Groundwater
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Tucson, Arizona

WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
S-21B	GSU	08/09/2012	µg/L	13	13	--
S-21B	GSU	02/13/2013	µg/L	13	13	--
S-21B	GSU	08/21/2013	µg/L	13	13	--
S-21B	GSU	02/20/2014	µg/L	17	17	--
S-21B	GSU	07/29/2014	µg/L	24	24	--
S-21B	GSU	01/27/2015	µg/L	43	43	--
S-21B	GSU	07/09/2015	µg/L	30 J	30	--
S-21B	GSU	01/14/2016	µg/L	14	14	-- *
S-21B	GSU	07/26/2016	µg/L	13 / 14	13.5	13.5
S-21B	GSU	01/27/2017	µg/L	14	14	-- *
S-21B	GSU	07/21/2017	µg/L	56	56	56
S-21B	GSU	02/21/2018	µg/L	11	11	-- *
S-21B	GSU	08/14/2018	µg/L	49	49	49
S-21B	GSU	01/24/2019	µg/L	20	20	-- *
S-21B	GSU	07/29/2019	µg/L	19	19	19
S-21B	GSU	08/05/2020	µg/L	14	14	14
S-21B	GSU	07/19/2021	µg/L	9.6	9.6	9.6
S-21B	GSU	07/20/2022	µg/L	11	11	11
S-21B	GSU	07/19/2023	µg/L	21	21	21
S-21B	GSU	08/12/2024	µg/L	66	66	66
S-21B	GSU	07/17/2025	µg/L	10 / 10	10	10
S-29	GSU	04/11/1996	µg/L	210	210	--
S-29	GSU	07/11/1997	µg/L	178	178	--
S-29	GSU	02/10/1998	µg/L	270	270	--
S-29	GSU	08/25/1998	µg/L	270	270	--
S-29	GSU	02/07/1999	µg/L	280 / 280	280	--
S-29	GSU	02/07/1999	µg/L	280	280	--
S-29	GSU	08/12/1999	µg/L	280	280	--
S-29	GSU	02/14/2000	µg/L	210	210	--
S-29	GSU	08/10/2000	µg/L	200	200	--
S-29	GSU	02/12/2001	µg/L	210	210	--
S-29	GSU	08/16/2001	µg/L	170 / 160	165	--
S-29	GSU	03/05/2002	µg/L	170	170	--
S-29	GSU	08/28/2002	µg/L	140	140	--
S-29	GSU	03/12/2003	µg/L	140	140	--
S-29	GSU	09/02/2003	µg/L	150	150	--
S-29	GSU	08/10/2004	µg/L	150	150	--
S-29	GSU	03/01/2005	µg/L	160	160	--
S-29	GSU	08/03/2005	µg/L	160	160	--
S-29	GSU	02/22/2006	µg/L	130	130	--
S-29	GSU	08/03/2006	µg/L	140	140	--
S-29	GSU	03/14/2007	µg/L	140	140	--
S-29	GSU	11/13/2007	µg/L	110 / 110	110	--
S-29	GSU	02/13/2008	µg/L	110	110	--
S-29	GSU	08/13/2008	µg/L	87	87	--
S-29	GSU	08/12/2009	µg/L	86	86	--
S-29	GSU	02/09/2010	µg/L	77	77	--
S-29	GSU	02/10/2011	µg/L	39	39	--
S-29	GSU	08/09/2011	µg/L	20	20	--

Monitoring Data for Trichloroethene (TCE) in Groundwater
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WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
S-29	GSU	02/14/2012	µg/L	24	24	--
S-29	GSU	08/16/2012	µg/L	16	16	--
S-29	GSU	02/26/2013	µg/L	15	15	--
S-29	GSU	08/29/2013	µg/L	15	15	--
S-29	GSU	02/21/2014	µg/L	15	15	--
S-29	GSU	08/13/2014	µg/L	12	12	--
S-29	GSU	02/11/2015	µg/L	12	12	--
S-29	GSU	07/23/2015	µg/L	8.1	8.1	--
S-29	GSU	01/22/2016	µg/L	9.2	9.2	--
S-29	GSU	07/27/2016	µg/L	7.3	7.3	--
S-29	GSU	01/31/2017	µg/L	7.0	7	--
S-29	GSU	07/28/2017	µg/L	6.8	6.8	--
S-29	GSU	02/14/2018	µg/L	12	12	--
S-29	GSU	07/23/2018	µg/L	6.8 / 7.4	7.1	--
S-29	GSU	01/24/2019	µg/L	7.4	7.4	--
S-29	GSU	07/12/2019	µg/L	8.2	8.2	--
S-29	GSU	01/27/2020	µg/L	9.0	9	--
S-29	GSU	07/20/2020	µg/L	5.4	5.4	--
S-29	GSU	01/22/2021	µg/L	5.4	5.4	5.4
S-29	GSU	07/19/2021	µg/L	4.9	4.9	4.9
S-29	GSU	01/21/2022	µg/L	8.2	8.2	8.2
S-29	GSU	07/14/2022	µg/L	12	12	12
S-29	GSU	01/23/2023	µg/L	8.2 J / 9.0 J	8.6	8.6
S-29	GSU	07/24/2023	µg/L	6.2	6.2	6.2
S-29	GSU	01/17/2024	µg/L	8.9	8.9	8.9
S-29	GSU	09/03/2024	µg/L	9.7 / 9.8	9.75	9.75
S-29	GSU	01/08/2025	µg/L	8.3	8.3	8.3
S-29	GSU	07/07/2025	µg/L	7.0	7	7
S-37	GSU	11/13/1997	µg/L	1600 / 1860	1730	--
S-37	GSU	02/10/1998	µg/L	1640	1640	--
S-37	GSU	08/28/1998	µg/L	1600	1600	--
S-37	GSU	02/08/1999	µg/L	1400	1400	--
S-37	GSU	08/12/1999	µg/L	1500	1500	--
S-37	GSU	02/15/2000	µg/L	1400	1400	--
S-37	GSU	08/10/2000	µg/L	1400	1400	--
S-37	GSU	02/13/2001	µg/L	1600	1600	--
S-37	GSU	08/16/2001	µg/L	1300	1300	--
S-37	GSU	03/06/2002	µg/L	1300 / 1400	1350	--
S-37	GSU	08/22/2002	µg/L	1200 / 1100	1150	--
S-37	GSU	03/13/2003	µg/L	1400	1400	--
S-37	GSU	09/03/2003	µg/L	1300	1300	--
S-37	GSU	02/24/2004	µg/L	1400	1400	--
S-37	GSU	08/11/2004	µg/L	1000 / 940	970	--
S-37	GSU	02/28/2005	µg/L	700	700	--
S-37	GSU	07/29/2005	µg/L	1000	1000	--
S-37	GSU	02/20/2006	µg/L	780	780	--
S-37	GSU	08/07/2006	µg/L	790	790	--
S-37	GSU	03/13/2007	µg/L	480	480	--
S-37	GSU	11/15/2007	µg/L	130	130	--

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WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
S-37	GSU	02/14/2008	µg/L	50	50	--
S-37	GSU	08/12/2008	µg/L	28	28	--
S-37	GSU	02/10/2009	µg/L	9.3	9.3	--
S-37	GSU	08/06/2009	µg/L	8.1 / 8.6	8.35	--
S-37	GSU	02/04/2010	µg/L	12 / 11	11.5	--
S-37	GSU	08/10/2010	µg/L	11	11	--
S-37	GSU	02/09/2011	µg/L	11	11	--
S-37	GSU	08/08/2011	µg/L	14	14	--
S-37	GSU	02/09/2012	µg/L	11	11	--
S-37	GSU	08/21/2012	µg/L	9.6	9.6	--
S-37	GSU	02/13/2013	µg/L	8.6	8.6	--
S-37	GSU	08/09/2013	µg/L	8.5	8.5	--
S-37	GSU	02/20/2014	µg/L	6.3	6.3	--
S-37	GSU	07/29/2014	µg/L	7.7	7.7	--
S-37	GSU	01/27/2015	µg/L	9.9 / 9.9	9.9	--
S-37	GSU	07/08/2015	µg/L	8.9 J	8.9	--
S-37	GSU	01/13/2016	µg/L	8.9 / 8.3	8.6	-- *
S-37	GSU	07/21/2016	µg/L	8.9	8.9	8.9
S-37	GSU	01/26/2017	µg/L	8.2	8.2	-- *
S-37	GSU	07/11/2017	µg/L	6.7	6.7	6.7
S-37	GSU	02/26/2018	µg/L	8.0	8	-- *
S-37	GSU	08/14/2018	µg/L	9.9	9.9	9.9
S-37	GSU	01/30/2019	µg/L	10	10	-- *
S-37	GSU	07/19/2019	µg/L	8.8 / 8.6	8.7	8.7
S-37	GSU	07/30/2020	µg/L	6.3	6.3	6.3
S-37	GSU	07/14/2021	µg/L	4.9 / 4.9	4.9	4.9
S-37	GSU	07/19/2022	µg/L	5.7	5.7	5.7
S-37	GSU	07/19/2023	µg/L	5.5	5.5	5.5
S-37	GSU	08/12/2024	µg/L	15	15	15
S-37	GSU	07/17/2025	µg/L	9.2	9.2	9.2
S-38	GSU	11/13/1997	µg/L	112	112	--
S-38	GSU	03/15/2007	µg/L	440	440	--
S-38	GSU	08/11/2009	µg/L	44	44	--
S-38	GSU	02/16/2010	µg/L	36	36	--
S-38	GSU	08/17/2010	µg/L	24	24	--
S-38	GSU	02/17/2011	µg/L	17	17	--
S-38	GSU	08/16/2011	µg/L	23	23	--
S-38	GSU	02/15/2012	µg/L	15	15	--
S-38	GSU	08/16/2012	µg/L	11	11	--
S-38	GSU	02/22/2013	µg/L	11	11	--
S-38	GSU	08/12/2013	µg/L	10	10	--
S-38	GSU	02/20/2014	µg/L	14	14	--
S-38	GSU	02/20/2014	µg/L	14	14	--
S-38	GSU	05/06/2014	µg/L	17	17	--
S-38	GSU	05/06/2014	µg/L	17	17	--
S-38	GSU	08/05/2014	µg/L	26	26	--
S-38	GSU	11/04/2014	µg/L	30	30	--
S-38	GSU	02/03/2015	µg/L	34	34	--
S-38	GSU	05/05/2015	µg/L	38	38	--

Monitoring Data for Trichloroethene (TCE) in Groundwater
Gravel Subunit Wells
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WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
S-38	GSU	05/05/2015	µg/L	37	37	--
S-38	GSU	07/09/2015	µg/L	26	26	--
S-38	GSU	11/04/2015	µg/L	40	40	--
S-38	GSU	01/20/2016	µg/L	20	20	--
S-38	GSU	05/02/2016	µg/L	36	36	--
S-38	GSU	05/02/2016	µg/L	36	36	--
S-38	GSU	08/02/2016	µg/L	37	37	--
S-38	GSU	11/02/2016	µg/L	29	29	--
S-38	GSU	02/02/2017	µg/L	20	20	--
S-38	GSU	05/01/2017	µg/L	26	26	--
S-38	GSU	08/02/2017	µg/L	40	40	--
S-38	GSU	08/02/2017	µg/L	39	39	--
S-38	GSU	11/02/2017	µg/L	15	15	--
S-38	GSU	02/01/2018	µg/L	13	13	--
S-38	GSU	05/01/2018	µg/L	20	20	--
S-38	GSU	08/08/2018	µg/L	34	34	--
S-38	GSU	11/01/2018	µg/L	34	34	--
S-38	GSU	02/06/2019	µg/L	26	26	--
S-38	GSU	05/01/2019	µg/L	26	26	--
S-38	GSU	08/05/2019	µg/L	28	28	--
S-38	GSU	08/05/2019	µg/L	28	28	--
S-38	GSU	11/05/2019	µg/L	16	16	--
S-38	GSU	02/03/2020	µg/L	15	15	--
S-38	GSU	02/03/2020	µg/L	15	15	--
S-38	GSU	08/03/2020	µg/L	14	14	--
S-38	GSU	02/01/2021	µg/L	17	17	17
S-38	GSU	08/02/2021	µg/L	16	16	16
S-38	GSU	02/01/2022	µg/L	14	14	14
S-38	GSU	08/01/2022	µg/L	11	11	11
S-38	GSU	02/01/2023	µg/L	8.5	8.5	8.5
S-38	GSU	08/06/2024	µg/L	49	49	49
S-38	GSU	01/27/2025	µg/L	37	37	37
S-38	GSU	08/07/2025	µg/L	27	27	27
S-39	GSU	08/12/1998	µg/L	210 / 210	210	--
S-39	GSU	02/07/1999	µg/L	190 / 100	145	--
S-39	GSU	08/11/1999	µg/L	250	250	--
S-39	GSU	02/14/2000	µg/L	190	190	--
S-39	GSU	08/09/2000	µg/L	210	210	--
S-39	GSU	02/12/2001	µg/L	250	250	--
S-39	GSU	08/15/2001	µg/L	240	240	--
S-39	GSU	03/05/2002	µg/L	230 / 240	235	--
S-39	GSU	08/23/2002	µg/L	260 / 270	265	--
S-39	GSU	03/11/2003	µg/L	230	230	--
S-39	GSU	08/29/2003	µg/L	270	270	--
S-39	GSU	02/20/2004	µg/L	250	250	--
S-39	GSU	08/09/2004	µg/L	230	230	--
S-39	GSU	02/28/2005	µg/L	200	200	--
S-39	GSU	08/02/2005	µg/L	200	200	--
S-39	GSU	02/20/2006	µg/L	170 / 170	170	--

Monitoring Data for Trichloroethene (TCE) in Groundwater
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WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
S-39	GSU	08/02/2006	µg/L	210	210	--
S-39	GSU	03/08/2007	µg/L	140	140	--
S-39	GSU	11/14/2007	µg/L	150	150	--
S-39	GSU	02/14/2008	µg/L	160 / 160	160	--
S-39	GSU	08/13/2008	µg/L	120	120	--
S-39	GSU	02/10/2009	µg/L	100	100	--
S-39	GSU	08/10/2009	µg/L	150	150	--
S-39	GSU	02/05/2010	µg/L	130	130	--
S-39	GSU	08/11/2010	µg/L	97	97	--
S-39	GSU	02/10/2011	µg/L	71	71	--
S-39	GSU	08/12/2011	µg/L	35	35	--
S-39	GSU	09/26/2011	µg/L	44	44	--
S-39	GSU	02/10/2012	µg/L	42	42	--
S-39	GSU	08/09/2012	µg/L	34	34	--
S-39	GSU	02/06/2013	µg/L	29	29	--
S-39	GSU	08/20/2013	µg/L	28	28	--
S-39	GSU	02/11/2014	µg/L	21	21	--
S-39	GSU	07/28/2014	µg/L	18	18	--
S-39	GSU	01/26/2015	µg/L	17	17	--
S-39	GSU	07/07/2015	µg/L	20 / 19	19.5	--
S-39	GSU	01/14/2016	µg/L	20	20	--
S-39	GSU	07/20/2016	µg/L	16	16	--
S-39	GSU	01/20/2017	µg/L	15	15	--
S-39	GSU	07/21/2017	µg/L	11	11	--
S-39	GSU	02/22/2018	µg/L	12	12	--
S-39	GSU	08/14/2018	µg/L	12	12	--
S-39	GSU	01/29/2019	µg/L	14	14	--
S-39	GSU	07/19/2019	µg/L	15 / 15	15	--
S-39	GSU	02/03/2020	µg/L	13	13	--
S-39	GSU	07/28/2020	µg/L	11	11	--
S-39	GSU	01/25/2021	µg/L	11	11	11
S-39	GSU	07/14/2021	µg/L	9.5	9.5	9.5
S-39	GSU	01/24/2022	µg/L	8.1	8.1	8.1
S-39	GSU	07/19/2022	µg/L	11	11	11
S-39	GSU	01/16/2023	µg/L	9.7 / 9.7	9.7	9.7
S-39	GSU	07/18/2023	µg/L	8.9	8.9	8.9
S-39	GSU	01/12/2024	µg/L	9.5	9.5	9.5
S-39	GSU	08/13/2024	µg/L	11	11	11
S-39	GSU	01/21/2025	µg/L	12	12	12
S-39	GSU	07/21/2025	µg/L	13	13	13
CRA-2	GSU	03/19/2007	µg/L	31000	31000	--
CRA-2	GSU	08/20/2008	µg/L	12000	12000	--
CRA-2	GSU	09/27/2011	µg/L	550	550	--
CRA-2	GSU	08/30/2013	µg/L	310	310	--
CRA-2	GSU	07/24/2014	µg/L	410	410	--
CRA-2	GSU	07/15/2015	µg/L	310	310	--
CRA-2	GSU	07/13/2016	µg/L	210	210	210
CRA-2	GSU	07/20/2017	µg/L	190	190	190
CRA-2	GSU	07/20/2018	µg/L	150	150	150

Monitoring Data for Trichloroethene (TCE) in Groundwater
Gravel Subunit Wells
TIAA Superfund Site - Airport Property
Tucson, Arizona

WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
CRA-2	GSU	07/25/2019	µg/L	180	180	180
CRA-2	GSU	07/28/2020	µg/L	81 / 79	80	80
CRA-2	GSU	07/29/2021	µg/L	82	82	82
CRA-2	GSU	07/21/2022	µg/L	76	76	76
CRA-2	GSU	08/15/2023	µg/L	130	130	130
CRA-2	GSU	09/19/2024	µg/L	74 J	74	74
CRA-2	GSU	08/04/2025	µg/L	32 J+ / 32	32	32
CRA-5	GSU	04/20/2007	µg/L	23000	23000	--
CRA-5	GSU	09/13/2007	µg/L	26000	26000	--
CRA-5	GSU	09/20/2007	µg/L	24000	24000	--
CRA-5	GSU	09/27/2007	µg/L	26000	26000	--
CRA-5	GSU	10/18/2007	µg/L	28000	28000	--
CRA-5	GSU	01/10/2008	µg/L	29000	29000	--
CRA-5	GSU	03/06/2008	µg/L	30000	30000	--
CRA-5	GSU	04/02/2008	µg/L	24000	24000	--
CRA-5	GSU	05/08/2008	µg/L	20000	20000	--
CRA-5	GSU	06/05/2008	µg/L	21000	21000	--
CRA-5	GSU	07/02/2008	µg/L	23000	23000	--
CRA-5	GSU	08/07/2008	µg/L	15000	15000	--
CRA-5	GSU	09/04/2008	µg/L	17000	17000	--
CRA-5	GSU	10/09/2008	µg/L	17000	17000	--
CRA-5	GSU	11/04/2008	µg/L	14000	14000	--
CRA-5	GSU	12/03/2008	µg/L	16000	16000	--
CRA-5	GSU	01/07/2009	µg/L	15000	15000	--
CRA-5	GSU	02/05/2009	µg/L	12000	12000	--
CRA-5	GSU	03/02/2009	µg/L	12000	12000	--
CRA-5	GSU	04/15/2009	µg/L	12000	12000	--
CRA-5	GSU	07/30/2009	µg/L	11000	11000	--
CRA-5	GSU	11/04/2009	µg/L	8400	8400	--
CRA-5	GSU	02/02/2010	µg/L	4700	4700	--
CRA-5	GSU	05/04/2010	µg/L	4600	4600	--
CRA-5	GSU	08/03/2010	µg/L	4600	4600	--
CRA-5	GSU	02/02/2011	µg/L	3300	3300	--
CRA-5	GSU	05/04/2011	µg/L	3000	3000	--
CRA-5	GSU	08/02/2011	µg/L	2900	2900	--
CRA-5	GSU	11/01/2011	µg/L	2700	2700	--
CRA-5	GSU	02/03/2012	µg/L	2200	2200	--
CRA-5	GSU	06/07/2012	µg/L	2100	2100	--
CRA-5	GSU	08/02/2012	µg/L	1500	1500	--
CRA-5	GSU	11/05/2012	µg/L	2000	2000	--
CRA-5	GSU	02/04/2013	µg/L	1800	1800	--
CRA-5	GSU	04/29/2013	µg/L	1500	1500	--
CRA-5	GSU	04/29/2013	µg/L	1400	1400	--
CRA-5	GSU	08/06/2013	µg/L	1300	1300	--
CRA-5	GSU	08/06/2013	µg/L	1400	1400	--
CRA-5	GSU	11/05/2013	µg/L	1300	1300	--
CRA-5	GSU	11/05/2013	µg/L	1200	1200	--
CRA-5	GSU	02/04/2014	µg/L	1200	1200	--
CRA-5	GSU	05/06/2014	µg/L	1100	1100	--

Monitoring Data for Trichloroethene (TCE) in Groundwater
Gravel Subunit Wells
TIAA Superfund Site - Airport Property
Tucson, Arizona

WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
CRA-5	GSU	08/05/2014	µg/L	1100	1100	--
CRA-5	GSU	08/05/2014	µg/L	1200	1200	--
CRA-5	GSU	11/04/2014	µg/L	1100	1100	--
CRA-5	GSU	11/04/2014	µg/L	1000	1000	--
CRA-5	GSU	02/03/2015	µg/L	870	870	--
CRA-5	GSU	02/03/2015	µg/L	860	860	--
CRA-5	GSU	05/05/2015	µg/L	980	980	--
CRA-5	GSU	07/09/2015	µg/L	910	910	--
CRA-5	GSU	11/04/2015	µg/L	810	810	--
CRA-5	GSU	01/20/2016	µg/L	680	680	-- *
CRA-5	GSU	05/02/2016	µg/L	690 J	690	-- *
CRA-5	GSU	08/02/2016	µg/L	630	630	630
CRA-5	GSU	11/02/2016	µg/L	760	760	-- *
CRA-5	GSU	02/02/2017	µg/L	660 / 730	695	-- *
CRA-5	GSU	05/01/2017	µg/L	550	550	-- *
CRA-5	GSU	08/02/2017	µg/L	590	590	-- *
CRA-5	GSU	11/02/2017	µg/L	480	480	480
CRA-5	GSU	02/01/2018	µg/L	450	450	-- *
CRA-5	GSU	05/01/2018	µg/L	440	440	-- *
CRA-5	GSU	08/08/2018	µg/L	480 / 450	465	465
CRA-5	GSU	11/01/2018	µg/L	430 / 390	410	-- *
CRA-5	GSU	02/06/2019	µg/L	400	400	-- *
CRA-5	GSU	05/01/2019	µg/L	430	430	-- *
CRA-5	GSU	08/05/2019	µg/L	490	490	490
CRA-5	GSU	11/05/2019	µg/L	400	400	-- *
CRA-5	GSU	02/03/2020	µg/L	400	400	-- *
CRA-5	GSU	08/03/2020	µg/L	360 / 370	365	365
CRA-5	GSU	02/01/2021	µg/L	290	290	-- *
CRA-5	GSU	08/02/2021	µg/L	440 / 300	370	370
CRA-5	GSU	02/01/2022	µg/L	300	300	-- *
CRA-5	GSU	08/01/2022	µg/L	300	300	300
CRA-5	GSU	02/01/2023	µg/L	200	200	200
CRA-5	GSU	08/06/2024	µg/L	240	240	240
CRA-5	GSU	07/08/2025	µg/L	46	46	46
CRA-7	GSU	03/15/2007	µg/L	450	450	--
CRA-7	GSU	08/10/2009	µg/L	86	86	--
CRA-7	GSU	02/16/2010	µg/L	170	170	--
CRA-7	GSU	02/19/2011	µg/L	17	17	--
CRA-7	GSU	02/19/2011	µg/L	17	17	--
CRA-7	GSU	08/11/2011	µg/L	17	17	--
CRA-7	GSU	08/16/2012	µg/L	8.4	8.4	--
CRA-7	GSU	08/15/2013	µg/L	33	33	--
CRA-7	GSU	02/20/2014	µg/L	28	28	--
CRA-7	GSU	07/21/2014	µg/L	1.8	1.8	--
CRA-7	GSU	02/09/2015	µg/L	20	20	--
CRA-7	GSU	07/13/2015	µg/L	10	10	--
CRA-7	GSU	01/19/2016	µg/L	13	13	--
CRA-7	GSU	07/12/2016	µg/L	6.4	6.4	--
CRA-7	GSU	01/24/2017	µg/L	15	15	--

Monitoring Data for Trichloroethene (TCE) in Groundwater
Gravel Subunit Wells
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Tucson, Arizona

WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
CRA-7	GSU	07/19/2017	µg/L	5.8	5.8	--
CRA-7	GSU	02/06/2018	µg/L	15	15	--
CRA-7	GSU	07/20/2018	µg/L	6.4	6.4	--
CRA-7	GSU	01/23/2019	µg/L	7.0	7	--
CRA-7	GSU	07/25/2019	µg/L	15	15	--
CRA-7	GSU	02/05/2020	µg/L	15	15	--
CRA-7	GSU	07/24/2020	µg/L	6.8	6.8	--
CRA-7	GSU	07/24/2020	µg/L	6.2	6.2	--
CRA-7	GSU	01/28/2021	µg/L	11	11	11
CRA-7	GSU	07/23/2021	µg/L	4.2	4.2	4.2
CRA-7	GSU	01/24/2022	µg/L	9.5	9.5	9.5
CRA-7	GSU	07/15/2022	µg/L	7.1	7.1	7.1
CRA-7	GSU	01/23/2023	µg/L	7.7 J	7.7	7.7
CRA-7	GSU	08/11/2023	µg/L	<0.50	0	0
CRA-7	GSU	11/29/2023	µg/L	37	37	37
CRA-7	GSU	01/18/2024	µg/L	30	30	30
CRA-7	GSU	08/12/2024	µg/L	69	69	69
CRA-7	GSU	01/21/2025	µg/L	70 / 69	69.5	69.5
CRA-7	GSU	07/18/2025	µg/L	7.0	7	7
CRA-8	GSU	03/16/2007	µg/L	170	170	--
CRA-8	GSU	11/15/2007	µg/L	150	150	--
CRA-8	GSU	02/15/2008	µg/L	160	160	--
CRA-8	GSU	08/13/2008	µg/L	150	150	--
CRA-8	GSU	02/11/2009	µg/L	120	120	--
CRA-8	GSU	08/13/2009	µg/L	140	140	--
CRA-8	GSU	02/10/2010	µg/L	130	130	--
CRA-8	GSU	08/09/2011	µg/L	80	80	--
CRA-8	GSU	08/22/2012	µg/L	64	64	--
CRA-8	GSU	08/28/2013	µg/L	53	53	--
CRA-8	GSU	08/12/2014	µg/L	45	45	--
CRA-8	GSU	07/24/2015	µg/L	45	45	--
CRA-8	GSU	07/26/2016	µg/L	41	41	41
CRA-8	GSU	07/27/2017	µg/L	40 / 38	39	39
CRA-8	GSU	08/13/2018	µg/L	35	35	35
CRA-8	GSU	07/12/2019	µg/L	81	81	81
CRA-8	GSU	07/20/2020	µg/L	28 / 29	28.5	28.5
CRA-8	GSU	07/13/2021	µg/L	22	22	22
CRA-8	GSU	07/14/2022	µg/L	28	28	28
CRA-8	GSU	07/24/2023	µg/L	18	18	18
CRA-8	GSU	08/27/2024	µg/L	18	18	18
CRA-8	GSU	07/09/2025	µg/L	16	16	16
CRA-9	GSU	04/18/2007	µg/L	86	86	--
CRA-9	GSU	04/18/2007	µg/L	75	75	--
CRA-9	GSU	11/13/2007	µg/L	480	480	--
CRA-9	GSU	02/15/2008	µg/L	570	570	--
CRA-9	GSU	02/15/2008	µg/L	550	550	--
CRA-9	GSU	05/07/2008	µg/L	440	440	--
CRA-9	GSU	08/14/2008	µg/L	450	450	--
CRA-9	GSU	02/11/2009	µg/L	270	270	--

Monitoring Data for Trichloroethene (TCE) in Groundwater
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Tucson, Arizona

WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
CRA-9	GSU	08/12/2009	µg/L	410	410	--
CRA-9	GSU	08/12/2009	µg/L	400	400	--
CRA-9	GSU	02/10/2010	µg/L	310	310	--
CRA-9	GSU	02/10/2010	µg/L	350	350	--
CRA-9	GSU	08/11/2010	µg/L	260	260	--
CRA-9	GSU	02/10/2011	µg/L	250	250	--
CRA-9	GSU	08/09/2011	µg/L	230	230	--
CRA-9	GSU	02/15/2012	µg/L	220	220	--
CRA-9	GSU	08/22/2012	µg/L	160	160	--
CRA-9	GSU	02/19/2013	µg/L	200	200	--
CRA-9	GSU	08/28/2013	µg/L	200	200	--
CRA-9	GSU	02/17/2014	µg/L	230	230	--
CRA-9	GSU	08/12/2014	µg/L	140	140	--
CRA-9	GSU	08/12/2014	µg/L	150	150	--
CRA-9	GSU	02/02/2015	µg/L	120	120	--
CRA-9	GSU	07/23/2015	µg/L	120	120	--
CRA-9	GSU	01/20/2016	µg/L	120	120	--
CRA-9	GSU	07/26/2016	µg/L	110	110	--
CRA-9	GSU	01/27/2017	µg/L	120	120	--
CRA-9	GSU	01/27/2017	µg/L	130	130	--
CRA-9	GSU	07/26/2017	µg/L	100	100	--
CRA-9	GSU	02/19/2018	µg/L	130	130	--
CRA-9	GSU	07/25/2018	µg/L	86	86	--
CRA-9	GSU	01/25/2019	µg/L	100	100	--
CRA-9	GSU	07/29/2019	µg/L	110	110	--
CRA-9	GSU	01/27/2020	µg/L	94	94	--
CRA-9	GSU	08/05/2020	µg/L	15	15	--
CRA-9	GSU	01/27/2021	µg/L	69	69	69
CRA-9	GSU	07/19/2021	µg/L	60	60	60
CRA-9	GSU	01/24/2022	µg/L	72	72	72
CRA-9	GSU	07/27/2022	µg/L	62 / 60	61	61
CRA-9	GSU	01/18/2023	µg/L	53 J-	53	53
CRA-9	GSU	09/13/2023	µg/L	<5.0	0	0
CRA-9	GSU	11/21/2023	µg/L	4.0	4	4
CRA-9	GSU	01/17/2024	µg/L	10	10	10
CRA-9	GSU	09/03/2024	µg/L	66 / 66	66	66
CRA-9	GSU	01/09/2025	µg/L	43	43	43
CRA-9	GSU	07/08/2025	µg/L	49	49	49
CRA-10	GSU	04/17/2007	µg/L	0.91	0.91	--
CRA-10	GSU	11/13/2007	µg/L	0.86	0.86	--
CRA-10	GSU	02/12/2008	µg/L	0.81	0.81	--
CRA-10	GSU	08/07/2008	µg/L	0.77	0.77	--
CRA-10	GSU	02/03/2009	µg/L	0.76	0.76	--
CRA-10	GSU	08/04/2009	µg/L	0.78	0.78	--
CRA-10	GSU	02/02/2010	µg/L	0.64	0.64	--
CRA-10	GSU	08/05/2010	µg/L	0.62	0.62	--
CRA-10	GSU	02/07/2011	µg/L	<0.50	0	--
CRA-10	GSU	08/02/2011	µg/L	<0.5	0	--
CRA-10	GSU	08/02/2011	µg/L	<0.5	0	--

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WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
CRA-10	GSU	02/06/2012	µg/L	<0.5	0	--
CRA-10	GSU	08/01/2012	µg/L	<0.5	0	--
CRA-10	GSU	02/19/2013	µg/L	<2.5	0	--
CRA-10	GSU	08/28/2013	µg/L	<0.50	0	--
CRA-10	GSU	02/13/2014	µg/L	<0.50	0	--
CRA-10	GSU	08/12/2014	µg/L	<0.50	0	--
CRA-10	GSU	02/02/2015	µg/L	<0.50	0	--
CRA-10	GSU	07/16/2015	µg/L	<5.0	0	--
CRA-10	GSU	01/15/2016	µg/L	<0.50	0	--
CRA-10	GSU	01/15/2016	µg/L	<0.50	0	--
CRA-10	GSU	07/26/2016	µg/L	<0.50	0	--
CRA-10	GSU	01/30/2017	µg/L	<0.50	0	--
CRA-10	GSU	07/11/2017	µg/L	<0.50	0	--
CRA-10	GSU	07/11/2017	µg/L	<0.50	0	--
CRA-10	GSU	02/20/2018	µg/L	<0.50	0	--
CRA-10	GSU	07/24/2018	µg/L	<0.50	0	--
CRA-10	GSU	01/25/2019	µg/L	<0.50	0	--
CRA-10	GSU	07/26/2019	µg/L	<0.50	0	--
CRA-10	GSU	02/01/2020	µg/L	<0.50	0	--
CRA-10	GSU	08/04/2020	µg/L	<0.50	0	--
CRA-10	GSU	01/27/2021	µg/L	<0.50	0	0
CRA-10	GSU	07/15/2021	µg/L	<0.50	0	0
CRA-10	GSU	01/24/2022	µg/L	<0.50	0	0
CRA-10	GSU	07/25/2022	µg/L	<0.50	0	0
CRA-10	GSU	01/18/2023	µg/L	0.50 UJ	0	0
CRA-10	GSU	09/14/2023	µg/L	<5.0	0	0
CRA-10	GSU	01/25/2024	µg/L	<5.0	0	0
CRA-10	GSU	08/30/2024	µg/L	<0.50	0	0
CRA-10	GSU	01/09/2025	µg/L	<0.50	0	0
CRA-10	GSU	07/08/2025	µg/L	<5.0	0	0
CRA-11	GSU	07/01/2003	µg/L	95	95	--
CRA-11	GSU	03/09/2007	µg/L	140	140	--
CRA-11	GSU	08/23/2012	µg/L	6.1	6.1	--
CRA-11	GSU	08/14/2013	µg/L	79	79	--
CRA-11	GSU	08/14/2014	µg/L	22	22	--
CRA-11	GSU	07/24/2015	µg/L	48	48	--
CRA-11	GSU	07/12/2016	µg/L	52 / 53	52.5	52.5
CRA-11	GSU	07/19/2017	µg/L	47	47	47
CRA-11	GSU	07/19/2018	µg/L	43 / 45	44	44
CRA-11	GSU	07/17/2019	µg/L	37	37	37
CRA-11	GSU	07/24/2020	µg/L	34	34	34
CRA-11	GSU	07/28/2021	µg/L	27	27	27
CRA-11	GSU	07/18/2022	µg/L	31	31	31
CRA-11	GSU	08/15/2023	µg/L	20 / 20	20	20
CRA-11	GSU	09/18/2024	µg/L	22	22	22
CRA-11	GSU	08/04/2025	µg/L	24	24	24
CRA-12	GSU	07/01/2003	µg/L	190	190	--
CRA-12	GSU	03/16/2007	µg/L	180	180	--
CRA-12	GSU	08/11/2011	µg/L	140	140	--

Monitoring Data for Trichloroethene (TCE) in Groundwater
Gravel Subunit Wells
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WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
CRA-12	GSU	08/17/2012	µg/L	130	130	--
CRA-12	GSU	08/14/2013	µg/L	89	89	--
CRA-12	GSU	08/14/2013	µg/L	88	88	--
CRA-12	GSU	07/22/2014	µg/L	72	72	--
CRA-12	GSU	07/14/2015	µg/L	49	49	--
CRA-12	GSU	07/13/2016	µg/L	68	68	68
CRA-12	GSU	07/20/2017	µg/L	62	62	62
CRA-12	GSU	07/19/2018	µg/L	48	48	48
CRA-12	GSU	07/18/2019	µg/L	47	47	47
CRA-12	GSU	07/27/2020	µg/L	38	38	38
CRA-12	GSU	07/28/2021	µg/L	36 / 40	38	38
CRA-12	GSU	07/18/2022	µg/L	30	30	30
CRA-12	GSU	08/14/2023	µg/L	25	25	25
CRA-12	GSU	09/19/2024	µg/L	18	18	18
CRA-12	GSU	08/05/2025	µg/L	18 / 18	18	18
CRA-15	GSU	03/16/2007	µg/L	5300	5300	--
CRA-15	GSU	05/07/2008	µg/L	12000	12000	--
CRA-15	GSU	08/20/2008	µg/L	4500	4500	--
CRA-15	GSU	02/17/2010	µg/L	500 / 560	530	--
CRA-15	GSU	08/16/2011	µg/L	48	48	--
CRA-15	GSU	09/27/2011	µg/L	100	100	--
CRA-15	GSU	08/17/2012	µg/L	190	190	--
CRA-15	GSU	08/15/2013	µg/L	87	87	--
CRA-15	GSU	07/24/2014	µg/L	120	120	--
CRA-15	GSU	07/15/2015	µg/L	67	67	--
CRA-15	GSU	07/13/2016	µg/L	570	570	570
CRA-15	GSU	08/01/2016	µg/L	250	250	-- *
CRA-15	GSU	07/20/2017	µg/L	620	620	620
CRA-15	GSU	07/20/2018	µg/L	370	370	370
CRA-15	GSU	07/25/2019	µg/L	540	540	540
CRA-15	GSU	07/28/2020	µg/L	420	420	420
CRA-15	GSU	07/29/2021	µg/L	980	980	-- *
CRA-15	GSU	08/30/2021	µg/L	510 J / 500 J	505	505
CRA-15	GSU	07/21/2022	µg/L	520	520	520
CRA-15	GSU	08/15/2023	µg/L	770 / 780	775	775
CRA-15	GSU	09/19/2024	µg/L	400 J	400	400
CRA-15	GSU	07/29/2025	µg/L	2300 J	2300	2300
CRA-42	GSU	06/07/2011	µg/L	150	150	--
CRA-42	GSU	06/07/2011	µg/L	140	140	--
CRA-42	GSU	08/12/2011	µg/L	100	100	--
CRA-42	GSU	08/12/2011	µg/L	98	98	--
CRA-42	GSU	02/15/2012	µg/L	68	68	--
CRA-42	GSU	08/17/2012	µg/L	40 / 40	40	--
CRA-42	GSU	02/25/2013	µg/L	47 / 50	48.5	--
CRA-42	GSU	08/21/2013	µg/L	32	32	--
CRA-42	GSU	02/11/2014	µg/L	35	35	--
CRA-42	GSU	07/28/2014	µg/L	35	35	--
CRA-42	GSU	01/27/2015	µg/L	33	33	--
CRA-42	GSU	07/08/2015	µg/L	27 J	27	--

Monitoring Data for Trichloroethene (TCE) in Groundwater
Gravel Subunit Wells
TIAA Superfund Site - Airport Property
Tucson, Arizona

WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
CRA-42	GSU	01/14/2016	µg/L	23	23	-- *
CRA-42	GSU	07/20/2016	µg/L	21	21	21
CRA-42	GSU	01/20/2017	µg/L	20	20	-- *
CRA-42	GSU	07/11/2017	µg/L	15	15	15
CRA-42	GSU	02/22/2018	µg/L	19	19	-- *
CRA-42	GSU	08/14/2018	µg/L	17	17	17
CRA-42	GSU	01/29/2019	µg/L	17 / 17	17	-- *
CRA-42	GSU	07/22/2019	µg/L	20	20	20
CRA-42	GSU	07/28/2020	µg/L	16	16	16
CRA-42	GSU	07/14/2021	µg/L	12	12	12
CRA-42	GSU	07/19/2022	µg/L	14	14	14
CRA-42	GSU	08/03/2023	µg/L	14 J+	14	14
CRA-42	GSU	08/23/2024	µg/L	13	13	13
CRA-42	GSU	07/21/2025	µg/L	13	13	13
CRA-31D	GSU	12/01/2009	µg/L	<0.50	0	--
CRA-31D	GSU	02/01/2010	µg/L	0.50	0.5	--
CRA-31D	GSU	08/04/2010	µg/L	0.90	0.9	--
CRA-31D	GSU	02/04/2011	µg/L	0.97	0.97	--
CRA-31D	GSU	08/01/2011	µg/L	1.2	1.2	--
CRA-31D	GSU	02/07/2012	µg/L	<0.5	0	--
CRA-31D	GSU	08/06/2012	µg/L	0.51	0.51	--
CRA-31D	GSU	02/15/2013	µg/L	0.61	0.61	--
CRA-31D	GSU	08/22/2013	µg/L	<0.50	0	--
CRA-31D	GSU	02/07/2014	µg/L	<0.50	0	--
CRA-31D	GSU	08/05/2014	µg/L	0.69	0.69	--
CRA-31D	GSU	02/05/2015	µg/L	0.72	0.72	--
CRA-31D	GSU	07/10/2015	µg/L	<0.50	0	--
CRA-31D	GSU	01/15/2016	µg/L	<0.50	0	--
CRA-31D	GSU	07/25/2016	µg/L	<0.50	0	--
CRA-31D	GSU	01/27/2017	µg/L	<0.50	0	--
CRA-31D	GSU	07/25/2017	µg/L	0.55	0.55	--
CRA-31D	GSU	02/20/2018	µg/L	<0.50	0	--
CRA-31D	GSU	07/26/2018	µg/L	<0.50	0	--
CRA-31D	GSU	07/26/2018	µg/L	<0.50	0	--
CRA-31D	GSU	01/29/2019	µg/L	<0.50	0	--
CRA-31D	GSU	07/24/2019	µg/L	<0.50	0	--
CRA-31D	GSU	02/01/2020	µg/L	<0.50	0	--
CRA-31D	GSU	08/03/2020	µg/L	<0.50	0	--
CRA-31D	GSU	01/26/2021	µg/L	<0.50	0	0
CRA-31D	GSU	07/16/2021	µg/L	<0.50	0	0
CRA-31D	GSU	01/26/2022	µg/L	<0.50	0	0
CRA-31D	GSU	07/25/2022	µg/L	<0.50	0	0
CRA-31D	GSU	01/12/2023	µg/L	<0.50	0	0
CRA-31D	GSU	09/13/2023	µg/L	<0.50	0	0
CRA-31D	GSU	01/25/2024	µg/L	<0.50	0	0
CRA-31D	GSU	09/04/2024	µg/L	<0.50	0	0
CRA-31D	GSU	01/15/2025	µg/L	<0.50	0	0
CRA-31D	GSU	07/14/2025	µg/L	<0.50	0	0
CRA-34D	GSU	11/24/2009	µg/L	0.59	0.59	--

Monitoring Data for Trichloroethene (TCE) in Groundwater
Gravel Subunit Wells
TIAA Superfund Site - Airport Property
Tucson, Arizona

WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
CRA-34D	GSU	02/02/2010	µg/L	<0.50	0	--
CRA-34D	GSU	02/02/2010	µg/L	<0.50	0	--
CRA-34D	GSU	08/05/2010	µg/L	<0.50	0	--
CRA-34D	GSU	02/04/2011	µg/L	<0.50	0	--
CRA-34D	GSU	08/02/2011	µg/L	<0.5	0	--
CRA-34D	GSU	02/07/2012	µg/L	<5	0	--
CRA-34D	GSU	08/22/2012	µg/L	<2.5	0	--
CRA-34D	GSU	02/19/2013	µg/L	<2.5	0	--
CRA-34D	GSU	08/28/2013	µg/L	5.0 UJ	0	--
CRA-34D	GSU	02/17/2014	µg/L	<2.5	0	--
CRA-34D	GSU	08/12/2014	µg/L	<5.0	0	--
CRA-34D	GSU	02/05/2015	µg/L	0.67	0.67	--
CRA-34D	GSU	07/23/2015	µg/L	<5.0	0	--
CRA-34D	GSU	01/20/2016	µg/L	0.53	0.53	--
CRA-34D	GSU	07/26/2016	µg/L	<0.50	0	--
CRA-34D	GSU	01/27/2017	µg/L	<0.50	0	--
CRA-34D	GSU	07/26/2017	µg/L	<0.50	0	--
CRA-34D	GSU	02/14/2018	µg/L	<0.50	0	--
CRA-34D	GSU	07/23/2018	µg/L	<0.50	0	--
CRA-34D	GSU	01/25/2019	µg/L	<0.50	0	--
CRA-34D	GSU	07/29/2019	µg/L	<0.50	0	--
CRA-34D	GSU	02/05/2020	µg/L	0.75	0.75	--
CRA-34D	GSU	08/05/2020	µg/L	<0.50	0	--
CRA-34D	GSU	01/27/2021	µg/L	<0.50	0	0
CRA-34D	GSU	07/19/2021	µg/L	<0.50	0	0
CRA-34D	GSU	01/24/2022	µg/L	<0.50	0	0
CRA-34D	GSU	07/26/2022	µg/L	<5.0	0	0
CRA-34D	GSU	01/18/2023	µg/L	0.50 UJ	0	0
CRA-34D	GSU	09/12/2023	µg/L	<5.0	0	0
CRA-34D	GSU	01/25/2024	µg/L	12	12	12
CRA-34D	GSU	09/02/2024	µg/L	1.5	1.5	1.5
CRA-34D	GSU	01/09/2025	µg/L	<0.50	0	0
CRA-34D	GSU	07/08/2025	µg/L	<5.0	0	0
CRA-52D	GSU	09/17/2012	µg/L	930	930	--
CRA-52D	GSU	02/25/2013	µg/L	590	590	--
CRA-52D	GSU	08/30/2013	µg/L	570	570	--
CRA-52D	GSU	02/21/2014	µg/L	620	620	--
CRA-52D	GSU	08/15/2014	µg/L	690	690	--
CRA-52D	GSU	02/03/2015	µg/L	600	600	--
CRA-52D	GSU	07/24/2015	µg/L	990	990	--
CRA-52D	GSU	01/22/2016	µg/L	750 J	750	--
CRA-52D	GSU	08/01/2016	µg/L	820	820	--
CRA-52D	GSU	01/31/2017	µg/L	710 / 770	740	--
CRA-52D	GSU	07/27/2017	µg/L	750	750	--
CRA-52D	GSU	02/15/2018	µg/L	430	430	--
CRA-52D	GSU	07/25/2018	µg/L	780	780	--
CRA-52D	GSU	01/30/2019	µg/L	670 J	670	--
CRA-52D	GSU	07/12/2019	µg/L	110	110	--
CRA-52D	GSU	01/27/2020	µg/L	470	470	--

Monitoring Data for Trichloroethene (TCE) in Groundwater
Gravel Subunit Wells
TIAA Superfund Site - Airport Property
Tucson, Arizona

WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
CRA-52D	GSU	07/20/2020	µg/L	530	530	--
CRA-52D	GSU	01/22/2021	µg/L	420	420	420
CRA-52D	GSU	07/13/2021	µg/L	340	340	340
CRA-52D	GSU	01/25/2022	µg/L	410 / 380	395	395
CRA-52D	GSU	07/19/2022	µg/L	340	340	340
CRA-52D	GSU	01/17/2023	µg/L	230	230	230
CRA-52D	GSU	07/21/2023	µg/L	85 / 86	85.5	85.5
CRA-52D	GSU	01/18/2024	µg/L	210	210	210
CRA-52D	GSU	08/30/2024	µg/L	440	440	440
CRA-52D	GSU	01/22/2025	µg/L	300	300	300
CRA-52D	GSU	07/01/2025	µg/L	460 / 430	445	445
CRA-57D	GSU	09/18/2012	µg/L	28	28	--
CRA-57D	GSU	02/19/2013	µg/L	27	27	--
CRA-57D	GSU	08/22/2013	µg/L	21	21	--
CRA-57D	GSU	02/06/2014	µg/L	40	40	--
CRA-57D	GSU	08/08/2014	µg/L	3.7	3.7	--
CRA-57D	GSU	09/26/2014	µg/L	24	24	--
CRA-57D	GSU	01/30/2015	µg/L	17	17	--
CRA-57D	GSU	07/10/2015	µg/L	14	14	--
CRA-57D	GSU	01/15/2016	µg/L	22	22	--
CRA-57D	GSU	07/22/2016	µg/L	83	83	--
CRA-57D	GSU	10/17/2016	µg/L	29	29	--
CRA-57D	GSU	10/17/2016	µg/L	28	28	--
CRA-57D	GSU	01/26/2017	µg/L	32	32	--
CRA-57D	GSU	07/26/2017	µg/L	120	120	--
CRA-57D	GSU	10/09/2017	µg/L	51	51	--
CRA-57D	GSU	10/09/2017	µg/L	51	51	--
CRA-57D	GSU	11/15/2017	µg/L	48	48	--
CRA-57D	GSU	11/15/2017	µg/L	48	48	--
CRA-57D	GSU	02/26/2018	µg/L	19	19	--
CRA-57D	GSU	07/25/2018	µg/L	37	37	--
CRA-57D	GSU	01/28/2019	µg/L	22	22	--
CRA-57D	GSU	07/29/2019	µg/L	19	19	--
CRA-57D	GSU	07/29/2019	µg/L	19	19	--
CRA-57D	GSU	02/04/2020	µg/L	16	16	--
CRA-57D	GSU	08/04/2020	µg/L	14	14	--
CRA-57D	GSU	01/26/2021	µg/L	13	13	13
CRA-57D	GSU	07/14/2021	µg/L	12	12	12
CRA-57D	GSU	01/26/2022	µg/L	16	16	16
CRA-57D	GSU	07/26/2022	µg/L	10	10	10
CRA-57D	GSU	01/19/2023	µg/L	10	10	10
CRA-57D	GSU	08/02/2023	µg/L	27	27	27
CRA-57D	GSU	01/12/2024	µg/L	29	29	29
CRA-57D	GSU	01/10/2025	µg/L	110	110	110
CRA-57D	GSU	07/22/2025	µg/L	120	120	120
CRA-67D	GSU	05/16/2016	µg/L	46 / 45	45.5	--
CRA-67D	GSU	06/13/2016	µg/L	34	34	--
CRA-67D	GSU	07/25/2016	µg/L	32	32	--
CRA-67D	GSU	01/27/2017	µg/L	47	47	--

Monitoring Data for Trichloroethene (TCE) in Groundwater
Gravel Subunit Wells
TIAA Superfund Site - Airport Property
Tucson, Arizona

WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
CRA-67D	GSU	03/03/2017	µg/L	41 / 41	41	--
CRA-67D	GSU	07/25/2017	µg/L	33	33	--
CRA-67D	GSU	11/15/2017	µg/L	40	40	--
CRA-67D	GSU	02/22/2018	µg/L	36	36	--
CRA-67D	GSU	07/26/2018	µg/L	35	35	--
CRA-67D	GSU	01/29/2019	µg/L	34	34	--
CRA-67D	GSU	07/24/2019	µg/L	46	46	--
CRA-67D	GSU	02/04/2020	µg/L	39	39	--
CRA-67D	GSU	08/03/2020	µg/L	32 / 34	33	--
CRA-67D	GSU	01/26/2021	µg/L	36	36	36
CRA-67D	GSU	07/16/2021	µg/L	32	32	32
CRA-67D	GSU	01/26/2022	µg/L	36	36	36
CRA-67D	GSU	07/25/2022	µg/L	35	35	35
CRA-67D	GSU	01/19/2023	µg/L	32	32	32
CRA-67D	GSU	09/13/2023	µg/L	31	31	31
CRA-67D	GSU	01/26/2024	µg/L	31	31	31
CRA-67D	GSU	09/04/2024	µg/L	30	30	30
CRA-67D	GSU	01/10/2025	µg/L	28	28	28
CRA-67D	GSU	07/11/2025	µg/L	33	33	33
DP-1	GSU	12/03/2002	µg/L	3100/3400/3500/2600	3150	--
DP-1	GSU	04/20/2007	µg/L	2700	2700	--
DP-1	GSU	08/03/2007	µg/L	3700 / 3900	3800	--
DP-1	GSU	09/13/2007	µg/L	3600 / 3300	-- *	--
DP-1	GSU	09/27/2007	µg/L	3700	-- *	--
DP-1	GSU	10/18/2007	µg/L	4900	-- *	--
DP-1	GSU	11/09/2007	µg/L	5100	-- *	--
DP-1	GSU	11/16/2007	µg/L	5600	-- *	--
DP-1	GSU	12/06/2007	µg/L	6200	-- *	--
DP-1	GSU	01/10/2008	µg/L	6600	6600	--
DP-1	GSU	02/07/2008	µg/L	7600	-- *	--
DP-1	GSU	03/06/2008	µg/L	6700	-- *	--
DP-1	GSU	04/02/2008	µg/L	6900	-- *	--
DP-1	GSU	05/08/2008	µg/L	4900	-- *	--
DP-1	GSU	06/05/2008	µg/L	4500	-- *	--
DP-1	GSU	07/02/2008	µg/L	4400	-- *	--
DP-1	GSU	08/07/2008	µg/L	4100	-- *	--
DP-1	GSU	09/04/2008	µg/L	3700	3700	--
DP-1	GSU	10/09/2008	µg/L	3500	-- *	--
DP-1	GSU	11/04/2008	µg/L	3200	-- *	--
DP-1	GSU	12/03/2008	µg/L	3200	-- *	--
DP-1	GSU	01/07/2009	µg/L	3300	3300	--
DP-1	GSU	02/05/2009	µg/L	3300	-- *	--
DP-1	GSU	03/17/2009	µg/L	2600	-- *	--
DP-1	GSU	04/15/2009	µg/L	3100	-- *	--
DP-1	GSU	07/30/2009	µg/L	2900	2900	--
DP-1	GSU	11/04/2009	µg/L	2600	-- *	--
DP-1	GSU	02/02/2010	µg/L	1900	1900	--
DP-1	GSU	05/04/2010	µg/L	1600	-- *	--
DP-1	GSU	08/03/2010	µg/L	1700	1700	--

Monitoring Data for Trichloroethene (TCE) in Groundwater
Gravel Subunit Wells
TIAA Superfund Site - Airport Property
Tucson, Arizona

WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
DP-1	GSU	02/02/2011	µg/L	1500	1500	--
DP-1	GSU	05/04/2011	µg/L	1400	-- *	--
DP-1	GSU	08/02/2011	µg/L	1400	1400	--
DP-1	GSU	08/02/2011	µg/L	1400	1400	--
DP-1	GSU	11/01/2011	µg/L	1200	-- *	--
DP-1	GSU	02/03/2012	µg/L	1100	1100	--
DP-1	GSU	02/03/2012	µg/L	1100	1100	--
DP-1	GSU	06/07/2012	µg/L	1200	-- *	--
DP-1	GSU	08/02/2012	µg/L	1800	1800	--
DP-1	GSU	08/02/2012	µg/L	1600	1600	--
DP-1	GSU	11/05/2012	µg/L	1100	-- *	--
DP-1	GSU	02/04/2013	µg/L	980	980	--
DP-1	GSU	04/29/2013	µg/L	840	-- *	--
DP-1	GSU	08/06/2013	µg/L	790	790	--
DP-1	GSU	11/05/2013	µg/L	720	-- *	--
DP-1	GSU	02/04/2014	µg/L	690	690	--
DP-1	GSU	02/04/2014	µg/L	730	730	--
DP-1	GSU	05/06/2014	µg/L	620	-- *	--
DP-1	GSU	08/05/2014	µg/L	680	680	--
DP-1	GSU	11/04/2014	µg/L	660	-- *	--
DP-1	GSU	02/03/2015	µg/L	570	570	--
DP-1	GSU	05/05/2015	µg/L	700	-- *	--
DP-1	GSU	07/09/2015	µg/L	650	650	--
DP-1	GSU	11/04/2015	µg/L	560	-- *	--
DP-1	GSU	01/20/2016	µg/L	530	530	--
DP-1	GSU	05/02/2016	µg/L	510	-- *	--
DP-1	GSU	08/02/2016	µg/L	480	480	--
DP-1	GSU	11/02/2016	µg/L	660	-- *	--
DP-1	GSU	11/02/2016	µg/L	670	-- *	--
DP-1	GSU	02/02/2017	µg/L	590	590	--
DP-1	GSU	05/01/2017	µg/L	480	-- *	--
DP-1	GSU	08/02/2017	µg/L	500	500	--
DP-1	GSU	11/02/2017	µg/L	460	-- *	--
DP-1	GSU	02/01/2018	µg/L	480	480	--
DP-1	GSU	05/01/2018	µg/L	440	-- *	--
DP-1	GSU	08/08/2018	µg/L	450	450	--
DP-1	GSU	11/01/2018	µg/L	460	-- *	--
DP-1	GSU	02/06/2019	µg/L	470	470	--
DP-1	GSU	05/01/2019	µg/L	420	-- *	--
DP-1	GSU	08/05/2019	µg/L	550	550	--
DP-1	GSU	11/05/2019	µg/L	470	-- *	--
DP-1	GSU	11/05/2019	µg/L	480	-- *	--
DP-1	GSU	02/03/2020	µg/L	480	480	--
DP-1	GSU	08/03/2020	µg/L	460	460	--
DP-1	GSU	02/01/2021	µg/L	430	430	430
DP-1	GSU	02/01/2021	µg/L	460	460	460
DP-1	GSU	08/02/2021	µg/L	450	450	450
DP-1	GSU	02/01/2022	µg/L	490	490	490
DP-1	GSU	02/01/2022	µg/L	500	500	500

Monitoring Data for Trichloroethene (TCE) in Groundwater
Gravel Subunit Wells
TIAA Superfund Site - Airport Property
Tucson, Arizona

WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
DP-1	GSU	08/01/2022	µg/L	500 J	500	500
DP-1	GSU	08/01/2022	µg/L	260 J	260	260
DP-1	GSU	02/01/2023	µg/L	400	400	400
DP-1	GSU	08/06/2024	µg/L	530	530	530
DP-1	GSU	02/10/2025	µg/L	510 / 510	510	510
DP-1	GSU	08/07/2025	µg/L	410	410	410
EW-1	GSU	04/13/2007	µg/L	900/870/950/890/920	906	--
EW-1	GSU	09/13/2007	µg/L	960	-- *	--
EW-1	GSU	09/20/2007	µg/L	860	-- *	--
EW-1	GSU	09/27/2007	µg/L	760	-- *	--
EW-1	GSU	10/18/2007	µg/L	780	-- *	--
EW-1	GSU	11/09/2007	µg/L	660	-- *	--
EW-1	GSU	11/16/2007	µg/L	700	-- *	--
EW-1	GSU	12/06/2007	µg/L	710	-- *	--
EW-1	GSU	01/10/2008	µg/L	640	640	--
EW-1	GSU	02/07/2008	µg/L	680	-- *	--
EW-1	GSU	03/06/2008	µg/L	640	-- *	--
EW-1	GSU	04/02/2008	µg/L	560	-- *	--
EW-1	GSU	05/08/2008	µg/L	450	-- *	--
EW-1	GSU	06/05/2008	µg/L	460	-- *	--
EW-1	GSU	07/02/2008	µg/L	450	-- *	--
EW-1	GSU	08/07/2008	µg/L	410	-- *	--
EW-1	GSU	09/04/2008	µg/L	360	360	--
EW-1	GSU	10/09/2008	µg/L	280	-- *	--
EW-1	GSU	11/04/2008	µg/L	270	-- *	--
EW-1	GSU	12/03/2008	µg/L	320	-- *	--
EW-1	GSU	01/07/2009	µg/L	330	330	--
EW-1	GSU	02/05/2009	µg/L	340	-- *	--
EW-1	GSU	03/17/2009	µg/L	210	-- *	--
EW-1	GSU	04/15/2009	µg/L	240	-- *	--
EW-1	GSU	07/31/2009	µg/L	280	280	--
EW-1	GSU	11/04/2009	µg/L	280	-- *	--
EW-1	GSU	02/02/2010	µg/L	240	240	--
EW-1	GSU	05/04/2010	µg/L	210	-- *	--
EW-1	GSU	08/03/2010	µg/L	200	200	--
EW-1	GSU	02/02/2011	µg/L	220	220	--
EW-1	GSU	05/04/2011	µg/L	220	-- *	--
EW-1	GSU	08/02/2011	µg/L	200	200	--
EW-1	GSU	11/01/2011	µg/L	190	-- *	--
EW-1	GSU	02/03/2012	µg/L	170	170	--
EW-1	GSU	06/07/2012	µg/L	190	-- *	--
EW-1	GSU	08/02/2012	µg/L	190	190	--
EW-1	GSU	11/05/2012	µg/L	180	-- *	--
EW-1	GSU	02/04/2013	µg/L	230	230	--
EW-1	GSU	02/04/2013	µg/L	230	230	--
EW-1	GSU	04/29/2013	µg/L	120	-- *	--
EW-1	GSU	08/06/2013	µg/L	160	160	--
EW-1	GSU	11/05/2013	µg/L	120	-- *	--
EW-1	GSU	02/04/2014	µg/L	110	110	--

Monitoring Data for Trichloroethene (TCE) in Groundwater
Gravel Subunit Wells
TIAA Superfund Site - Airport Property
Tucson, Arizona

WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
EW-1	GSU	05/06/2014	µg/L	130	-- *	--
EW-1	GSU	08/05/2014	µg/L	150	150	--
EW-1	GSU	11/04/2014	µg/L	130	-- *	--
EW-1	GSU	02/03/2015	µg/L	110	110	--
EW-1	GSU	05/05/2015	µg/L	130	-- *	--
EW-1	GSU	07/09/2015	µg/L	130	130	--
EW-1	GSU	07/09/2015	µg/L	130	130	--
EW-1	GSU	11/04/2015	µg/L	120	-- *	--
EW-1	GSU	01/20/2016	µg/L	120	120	--
EW-1	GSU	05/02/2016	µg/L	110	-- *	--
EW-1	GSU	08/02/2016	µg/L	110	110	--
EW-1	GSU	08/02/2016	µg/L	110	110	--
EW-1	GSU	11/02/2016	µg/L	110	-- *	--
EW-1	GSU	02/02/2017	µg/L	89	89	--
EW-1	GSU	05/01/2017	µg/L	96	-- *	--
EW-1	GSU	08/02/2017	µg/L	100	100	--
EW-1	GSU	11/02/2017	µg/L	110	-- *	--
EW-1	GSU	11/02/2017	µg/L	110	-- *	--
EW-1	GSU	02/01/2018	µg/L	92	92	--
EW-1	GSU	05/01/2018	µg/L	83	-- *	--
EW-1	GSU	08/08/2018	µg/L	88	88	--
EW-1	GSU	11/01/2018	µg/L	83	-- *	--
EW-1	GSU	02/06/2019	µg/L	89	89	--
EW-1	GSU	05/01/2019	µg/L	87	-- *	--
EW-1	GSU	05/01/2019	µg/L	86	-- *	--
EW-1	GSU	08/05/2019	µg/L	120	120	--
EW-1	GSU	11/05/2019	µg/L	97	-- *	--
EW-1	GSU	02/03/2020	µg/L	92	92	--
EW-1	GSU	08/03/2020	µg/L	86	86	--
EW-1	GSU	02/01/2021	µg/L	74	74	74
EW-1	GSU	08/02/2021	µg/L	70	70	70
EW-1	GSU	02/01/2022	µg/L	82	82	82
EW-1	GSU	08/01/2022	µg/L	88	88	88
EW-1	GSU	02/01/2023	µg/L	61	61	61
EW-1	GSU	08/06/2024	µg/L	100	100	100
EW-1	GSU	08/06/2024	µg/L	99	99	99
EW-1	GSU	01/27/2025	µg/L	94	94	94
EW-1	GSU	08/07/2025	µg/L	63 / 67	65	65
EW-2R	GSU	07/31/2003	µg/L	330/410/1100/940/940	744	--
EW-2R	GSU	04/13/2007	µg/L	170	170	--
EW-2R	GSU	08/30/2007	µg/L	620	620	--
EW-2R	GSU	09/13/2007	µg/L	740	-- *	--
EW-2R	GSU	09/20/2007	µg/L	690	-- *	--
EW-2R	GSU	09/27/2007	µg/L	620	-- *	--
EW-2R	GSU	10/18/2007	µg/L	760	-- *	--
EW-2R	GSU	11/09/2007	µg/L	1000	-- *	--
EW-2R	GSU	11/16/2007	µg/L	780	-- *	--
EW-2R	GSU	12/06/2007	µg/L	820	-- *	--
EW-2R	GSU	01/10/2008	µg/L	840	840	--

Monitoring Data for Trichloroethene (TCE) in Groundwater
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WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
EW-2R	GSU	02/07/2008	µg/L	1000	-- *	--
EW-2R	GSU	03/06/2008	µg/L	960	-- *	--
EW-2R	GSU	04/02/2008	µg/L	1100	-- *	--
EW-2R	GSU	09/10/2008	µg/L	570	570	--
EW-2R	GSU	10/09/2008	µg/L	700	-- *	--
EW-2R	GSU	11/04/2008	µg/L	750	-- *	--
EW-2R	GSU	12/03/2008	µg/L	730	-- *	--
EW-2R	GSU	01/07/2009	µg/L	740	740	--
EW-2R	GSU	02/05/2009	µg/L	740	-- *	--
EW-2R	GSU	03/17/2009	µg/L	590	-- *	--
EW-2R	GSU	04/15/2009	µg/L	680	-- *	--
EW-2R	GSU	07/31/2009	µg/L	620	620	--
EW-2R	GSU	11/04/2009	µg/L	570	-- *	--
EW-2R	GSU	02/02/2010	µg/L	470	470	--
EW-2R	GSU	05/04/2010	µg/L	460	-- *	--
EW-2R	GSU	08/03/2010	µg/L	470	470	--
EW-2R	GSU	02/02/2011	µg/L	430	430	--
EW-2R	GSU	05/04/2011	µg/L	410	-- *	--
EW-2R	GSU	08/02/2011	µg/L	290	290	--
EW-2R	GSU	11/01/2011	µg/L	240	-- *	--
EW-2R	GSU	02/03/2012	µg/L	210	210	--
EW-2R	GSU	06/07/2012	µg/L	200	-- *	--
EW-2R	GSU	08/02/2012	µg/L	190	190	--
EW-2R	GSU	11/05/2012	µg/L	160	-- *	--
EW-2R	GSU	02/04/2013	µg/L	150	150	--
EW-2R	GSU	04/29/2013	µg/L	130	-- *	--
EW-2R	GSU	08/06/2013	µg/L	140	140	--
EW-2R	GSU	11/05/2013	µg/L	110	-- *	--
EW-2R	GSU	02/04/2014	µg/L	120	120	--
EW-2R	GSU	05/06/2014	µg/L	100	-- *	--
EW-2R	GSU	08/05/2014	µg/L	100	100	--
EW-2R	GSU	11/04/2014	µg/L	110	-- *	--
EW-2R	GSU	02/03/2015	µg/L	93	93	--
EW-2R	GSU	05/05/2015	µg/L	100	-- *	--
EW-2R	GSU	07/09/2015	µg/L	96	96	--
EW-2R	GSU	11/04/2015	µg/L	88	-- *	--
EW-2R	GSU	11/04/2015	µg/L	87	-- *	--
EW-2R	GSU	01/20/2016	µg/L	90	90	--
EW-2R	GSU	05/02/2016	µg/L	93	-- *	--
EW-2R	GSU	08/02/2016	µg/L	87	87	--
EW-2R	GSU	11/02/2016	µg/L	87	-- *	--
EW-2R	GSU	02/02/2017	µg/L	120	120	--
EW-2R	GSU	05/01/2017	µg/L	72	-- *	--
EW-2R	GSU	05/01/2017	µg/L	69	-- *	--
EW-2R	GSU	08/02/2017	µg/L	78	78	--
EW-2R	GSU	11/02/2017	µg/L	65	-- *	--
EW-2R	GSU	02/01/2018	µg/L	70	70	--
EW-2R	GSU	02/01/2018	µg/L	69	69	--
EW-2R	GSU	05/01/2018	µg/L	61	-- *	--

Monitoring Data for Trichloroethene (TCE) in Groundwater
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Tucson, Arizona

WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
EW-2R	GSU	08/08/2018	µg/L	58	58	--
EW-2R	GSU	11/01/2018	µg/L	60	-- *	--
EW-2R	GSU	02/06/2019	µg/L	56	56	--
EW-2R	GSU	05/01/2019	µg/L	57	-- *	--
EW-2R	GSU	08/05/2019	µg/L	81	81	--
EW-2R	GSU	11/05/2019	µg/L	63	-- *	--
EW-2R	GSU	02/03/2020	µg/L	57	57	--
EW-2R	GSU	08/03/2020	µg/L	51	51	--
EW-2R	GSU	02/01/2021	µg/L	49	49	49
EW-2R	GSU	08/02/2021	µg/L	50	50	50
EW-2R	GSU	02/01/2022	µg/L	45	45	45
EW-2R	GSU	08/01/2022	µg/L	45	45	45
EW-2R	GSU	02/01/2023	µg/L	45 / 44	44.5	44.5
EW-2R	GSU	08/06/2024	µg/L	40	40	40
EW-2R	GSU	01/27/2025	µg/L	41	41	41
EW-2R	GSU	08/07/2025	µg/L	43	43	43
EW-4	GSU	02/03/2003	µg/L	310 / 320 / 300	310	--
EW-4	GSU	05/02/2007	µg/L	390.0	390	--
EW-4	GSU	09/20/2007	µg/L	360	360	--
EW-4	GSU	09/13/2007	µg/L	340	-- *	--
EW-4	GSU	09/27/2007	µg/L	470	-- *	--
EW-4	GSU	10/18/2007	µg/L	810	-- *	--
EW-4	GSU	11/09/2007	µg/L	500	-- *	--
EW-4	GSU	11/16/2007	µg/L	730	-- *	--
EW-4	GSU	12/06/2007	µg/L	1100	-- *	--
EW-4	GSU	01/10/2008	µg/L	1500	1500	--
EW-4	GSU	02/07/2008	µg/L	1500	-- *	--
EW-4	GSU	03/06/2008	µg/L	1500	-- *	--
EW-4	GSU	04/02/2008	µg/L	1400	-- *	--
EW-4	GSU	05/08/2008	µg/L	1300	-- *	--
EW-4	GSU	06/05/2008	µg/L	1200	-- *	--
EW-4	GSU	07/02/2008	µg/L	1300	-- *	--
EW-4	GSU	08/07/2008	µg/L	1000	-- *	--
EW-4	GSU	09/04/2008	µg/L	1000	1000	--
EW-4	GSU	10/09/2008	µg/L	810	-- *	--
EW-4	GSU	11/04/2008	µg/L	690	-- *	--
EW-4	GSU	12/03/2008	µg/L	470	-- *	--
EW-4	GSU	01/07/2009	µg/L	410	410	--
EW-4	GSU	02/05/2009	µg/L	310	-- *	--
EW-4	GSU	03/02/2009	µg/L	350	-- *	--
EW-4	GSU	04/15/2009	µg/L	370	-- *	--
EW-4	GSU	07/31/2009	µg/L	300	300	--
EW-4	GSU	11/04/2009	µg/L	340	-- *	--
EW-4	GSU	02/02/2010	µg/L	250	250	--
EW-4	GSU	05/04/2010	µg/L	230	-- *	--
EW-4	GSU	08/03/2010	µg/L	140	140	--
EW-4	GSU	02/02/2011	µg/L	120	120	--
EW-4	GSU	05/04/2011	µg/L	130	-- *	--
EW-4	GSU	08/02/2011	µg/L	110	110	--

Monitoring Data for Trichloroethene (TCE) in Groundwater
Gravel Subunit Wells
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Tucson, Arizona

WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
EW-4	GSU	11/01/2011	µg/L	100	-- *	--
EW-4	GSU	11/01/2011	µg/L	100	-- *	--
EW-4	GSU	02/03/2012	µg/L	82	82	--
EW-4	GSU	06/07/2012	µg/L	67	-- *	--
EW-4	GSU	08/02/2012	µg/L	40	40	--
EW-4	GSU	11/05/2012	µg/L	50	-- *	--
EW-4	GSU	02/04/2013	µg/L	19	19	--
EW-4	GSU	04/29/2013	µg/L	37	-- *	--
EW-4	GSU	08/06/2013	µg/L	20	20	--
EW-4	GSU	11/05/2013	µg/L	20	-- *	--
EW-4	GSU	02/04/2014	µg/L	15	15	--
EW-4	GSU	05/06/2014	µg/L	20	-- *	--
EW-4	GSU	08/05/2014	µg/L	22	22	--
EW-4	GSU	11/04/2014	µg/L	19	-- *	--
EW-4	GSU	02/03/2015	µg/L	17	17	--
EW-4	GSU	05/05/2015	µg/L	17	-- *	--
EW-4	GSU	07/09/2015	µg/L	16	16	--
EW-4	GSU	11/04/2015	µg/L	18	-- *	--
EW-4	GSU	01/20/2016	µg/L	15	15	--
EW-4	GSU	01/20/2016	µg/L	15	15	--
EW-4	GSU	05/02/2016	µg/L	17	-- *	--
EW-4	GSU	08/02/2016	µg/L	10	10	--
EW-4	GSU	11/02/2016	µg/L	16	-- *	--
EW-4	GSU	02/02/2017	µg/L	17	17	--
EW-4	GSU	05/01/2017	µg/L	14	-- *	--
EW-4	GSU	08/02/2017	µg/L	18	18	--
EW-4	GSU	11/02/2017	µg/L	14	-- *	--
EW-4	GSU	02/01/2018	µg/L	14	14	--
EW-4	GSU	05/01/2018	µg/L	10	-- *	--
EW-4	GSU	05/01/2018	µg/L	10	-- *	--
EW-4	GSU	08/08/2018	µg/L	12	12	--
EW-4	GSU	11/01/2018	µg/L	11	-- *	--
EW-4	GSU	02/06/2019	µg/L	11	11	--
EW-4	GSU	02/06/2019	µg/L	12	12	--
EW-4	GSU	05/01/2019	µg/L	14	-- *	--
EW-4	GSU	08/05/2019	µg/L	17	17	--
EW-4	GSU	11/05/2019	µg/L	14	-- *	--
EW-4	GSU	02/03/2020	µg/L	13	13	--
EW-4	GSU	08/03/2020	µg/L	11	11	--
EW-4	GSU	02/01/2021	µg/L	13	13	13
EW-4	GSU	08/02/2021	µg/L	11	11	11
EW-4	GSU	02/01/2022	µg/L	11	11	11
EW-4	GSU	08/01/2022	µg/L	11	11	11
EW-4	GSU	02/01/2023	µg/L	9.7	9.7	9.7
EW-4	GSU	08/06/2024	µg/L	57	57	57
EW-4	GSU	01/27/2025	µg/L	66	66	66
EW-4	GSU	08/07/2025	µg/L	5.7	5.7	5.7
EW-5	GSU	07/22/2003	µg/L	1.0 UJ / 1.0 UJ	0	--
EW-5	GSU	07/23/2003	µg/L	6.4 / 6.4	6.4	--

Monitoring Data for Trichloroethene (TCE) in Groundwater
Gravel Subunit Wells
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Tucson, Arizona

WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
EW-5	GSU	07/25/2003	µg/L	110 / 140	125	--
EW-5	GSU	02/23/2004	µg/L	1.8	1.8	--
EW-5	GSU	04/12/2007	µg/L	<0.5	0	--
EW-5	GSU	09/13/2007	µg/L	<0.5	0	--
EW-5	GSU	09/20/2007	µg/L	<0.5	0	--
EW-5	GSU	09/27/2007	µg/L	<0.5	0	--
EW-5	GSU	10/18/2007	µg/L	<0.5	0	--
EW-5	GSU	11/09/2007	µg/L	<0.5	0	--
EW-5	GSU	11/16/2007	µg/L	<0.5	0	--
EW-5	GSU	12/06/2007	µg/L	<0.5	0	--
EW-5	GSU	01/10/2008	µg/L	<0.5	0	--
EW-5	GSU	02/07/2008	µg/L	<0.5	0	--
EW-5	GSU	03/06/2008	µg/L	<0.5	0	--
EW-5	GSU	04/02/2008	µg/L	<0.5	0	--
EW-5	GSU	05/08/2008	µg/L	<0.5	0	--
EW-5	GSU	06/05/2008	µg/L	<0.5	0	--
EW-5	GSU	07/02/2008	µg/L	<0.5	0	--
EW-5	GSU	09/19/2008	µg/L	<0.5	0	--
EW-5	GSU	11/04/2008	µg/L	<0.5	0	--
EW-5	GSU	12/03/2008	µg/L	<0.5	0	--
EW-5	GSU	01/07/2009	µg/L	<0.5	0	--
EW-5	GSU	02/05/2009	µg/L	<0.5 / <0.5	0	--
EW-5	GSU	03/02/2009	µg/L	<0.5	0	--
EW-5	GSU	04/15/2009	µg/L	<0.5	0	--
EW-5	GSU	07/31/2009	µg/L	<0.50	0	--
EW-5	GSU	11/04/2009	µg/L	<0.50	0	--
EW-5	GSU	02/02/2010	µg/L	<0.50	0	--
EW-5	GSU	05/04/2010	µg/L	0.74	0.74	--
EW-5	GSU	08/03/2010	µg/L	<0.50	0	--
EW-5	GSU	03/28/2011	µg/L	<0.5	0	--
EW-5	GSU	05/04/2011	µg/L	<0.5	0	--
EW-5	GSU	08/02/2011	µg/L	<0.5	0	--
EW-5	GSU	11/01/2011	µg/L	<0.5	0	--
EW-5	GSU	02/03/2012	µg/L	<0.5	0	--
EW-5	GSU	06/07/2012	µg/L	<0.5	0	--
EW-5	GSU	08/02/2012	µg/L	<0.5	0	--
EW-5	GSU	11/05/2012	µg/L	<0.5	0	--
EW-5	GSU	02/04/2013	µg/L	1.4	1.4	--
EW-5	GSU	04/29/2013	µg/L	<0.50	0	--
EW-5	GSU	08/06/2013	µg/L	0.85	0.85	--
EW-5	GSU	02/18/2014	µg/L	<0.50	0	--
EW-5	GSU	07/22/2014	µg/L	<0.50	0	--
EW-5	GSU	02/10/2015	µg/L	<0.50	0	--
EW-5	GSU	07/13/2015	µg/L	<0.50	0	--
EW-5	GSU	01/18/2016	µg/L	<0.50	0	-- *
EW-5	GSU	07/11/2016	µg/L	<0.50	0	0
EW-5	GSU	01/23/2017	µg/L	<0.50	0	-- *
EW-5	GSU	07/18/2017	µg/L	<0.50	0	0
EW-5	GSU	02/06/2018	µg/L	<0.50	0	-- *

Monitoring Data for Trichloroethene (TCE) in Groundwater
Gravel Subunit Wells
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WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
EW-5	GSU	07/18/2018	µg/L	<0.50	0	0
EW-5	GSU	01/23/2019	µg/L	<0.50	0	-- *
EW-5	GSU	07/18/2019	µg/L	<0.50	0	0
EW-5	GSU	07/22/2020	µg/L	<0.50	0	0
EW-5	GSU	07/22/2021	µg/L	<0.50	0	0
EW-5	GSU	07/12/2022	µg/L	<0.50	0	0
EW-5	GSU	08/07/2023	µg/L	<0.50	0	0
EW-5	GSU	09/13/2024	µg/L	<0.50	0	0
EW-5	GSU	07/30/2025	µg/L	5.7	5.7	5.7
SVE-1D	GSU	03/19/2007	µg/L	15000	15000	--
SVE-1D	GSU	02/04/2012	µg/L	2.9	2.9	--
SVE-1D	GSU	02/04/2012	µg/L	2.9	2.9	--
SVE-1D	GSU	08/14/2012	µg/L	1.7	1.7	--
SVE-1D	GSU	02/22/2013	µg/L	2.2	2.2	--
SVE-1D	GSU	08/13/2013	µg/L	2.6	2.6	--
SVE-1D	GSU	02/18/2014	µg/L	1.7	1.7	--
SVE-1D	GSU	07/23/2014	µg/L	6.0	6	--
SVE-1D	GSU	02/09/2015	µg/L	2.5	2.5	--
SVE-1D	GSU	02/09/2015	µg/L	2.6	2.6	--
SVE-1D	GSU	07/14/2015	µg/L	2.1	2.1	--
SVE-1D	GSU	01/19/2016	µg/L	2.1	2.1	-- *
SVE-1D	GSU	07/12/2016	µg/L	2.2	2.2	2.2
SVE-1D	GSU	01/24/2017	µg/L	2.0	2	-- *
SVE-1D	GSU	07/18/2017	µg/L	1.7	1.7	1.7
SVE-1D	GSU	02/05/2018	µg/L	1.5	1.5	-- *
SVE-1D	GSU	07/17/2018	µg/L	1.5 / 1.4	1.45	1.45
SVE-1D	GSU	01/22/2019	µg/L	1.0	1	-- *
SVE-1D	GSU	07/16/2019	µg/L	1.8	1.8	1.8
SVE-1D	GSU	07/22/2020	µg/L	1.1	1.1	1.1
SVE-1D	GSU	07/22/2021	µg/L	0.69	0.69	0.69
SVE-1D	GSU	07/11/2022	µg/L	0.63	0.63	0.63
SVE-1D	GSU	08/08/2023	µg/L	0.64	0.64	0.64
SVE-1D	GSU	09/16/2024	µg/L	2.2	2.2	2.2
SVE-1D	GSU	08/11/2025	µg/L	110	110	110
SVE-2D	GSU	03/20/2007	µg/L	610	610	--
SVE-2D	GSU	02/03/2012	µg/L	12	12	--
SVE-2D	GSU	08/14/2012	µg/L	7.6	7.6	--
SVE-2D	GSU	08/13/2013	µg/L	8.1	8.1	--
SVE-2D	GSU	07/23/2014	µg/L	26	26	--
SVE-2D	GSU	07/14/2015	µg/L	47	47	--
SVE-2D	GSU	07/14/2015	µg/L	47	47	--
SVE-2D	GSU	07/14/2016	µg/L	58	58	58
SVE-2D	GSU	07/19/2017	µg/L	44	44	44
SVE-2D	GSU	07/19/2018	µg/L	39	39	39
SVE-2D	GSU	07/17/2019	µg/L	35	35	35
SVE-2D	GSU	07/24/2020	µg/L	24	24	24
SVE-2D	GSU	07/27/2021	µg/L	13	13	13
SVE-2D	GSU	07/15/2022	µg/L	10	10	10
SVE-2D	GSU	08/14/2023	µg/L	<0.50	0	0

Monitoring Data for Trichloroethene (TCE) in Groundwater
Gravel Subunit Wells
TIAA Superfund Site - Airport Property
Tucson, Arizona

WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
SVE-2D	GSU	09/11/2024	µg/L	16	16	16
SVE-2D	GSU	08/08/2025	µg/L	8.6	8.6	8.6
SVE-3D	GSU	03/20/2007	µg/L	540	540	--
SVE-3D	GSU	02/03/2012	µg/L	37	37	--
SVE-3D	GSU	08/15/2012	µg/L	23	23	--
SVE-3D	GSU	08/15/2013	µg/L	23 J	23	--
SVE-3D	GSU	07/23/2014	µg/L	19	19	--
SVE-3D	GSU	07/14/2015	µg/L	14	14	--
SVE-3D	GSU	07/12/2016	µg/L	9.0	9	9
SVE-3D	GSU	07/18/2017	µg/L	6.9 / 6.6	6.75	6.75
SVE-3D	GSU	07/17/2018	µg/L	5.2	5.2	5.2
SVE-3D	GSU	07/16/2019	µg/L	4.4	4.4	4.4
SVE-3D	GSU	07/22/2020	µg/L	3.1	3.1	3.1
SVE-3D	GSU	07/23/2021	µg/L	2.4 / 2.4	2.4	2.4
SVE-3D	GSU	07/11/2022	µg/L	2.4	2.4	2.4
SVE-3D	GSU	08/11/2023	µg/L	2.0	2	2
SVE-3D	GSU	09/17/2024	µg/L	1.9	1.9	1.9
SVE-3D	GSU	08/12/2025	µg/L	4.6	4.6	4.6
SVE-5D	GSU	03/09/2007	µg/L	210	210	--
SVE-5D	GSU	02/03/2012	µg/L	100	100	--
SVE-5D	GSU	08/15/2012	µg/L	93	93	--
SVE-5D	GSU	08/13/2013	µg/L	78	78	--
SVE-5D	GSU	07/23/2014	µg/L	44	44	--
SVE-5D	GSU	07/23/2014	µg/L	45	45	--
SVE-5D	GSU	07/14/2015	µg/L	55	55	--
SVE-5D	GSU	07/14/2015	µg/L	55	55	--
SVE-5D	GSU	07/14/2016	µg/L	57	57	57
SVE-5D	GSU	07/19/2017	µg/L	38	38	38
SVE-5D	GSU	07/19/2018	µg/L	41	41	41
SVE-5D	GSU	07/25/2019	µg/L	37	37	37
SVE-5D	GSU	07/27/2020	µg/L	20	20	20
SVE-5D	GSU	07/26/2021	µg/L	18	18	18
SVE-5D	GSU	07/15/2022	µg/L	20	20	20
SVE-5D	GSU	08/14/2023	µg/L	<9.8	0	0
SVE-5D	GSU	09/18/2024	µg/L	12	12	12
SVE-5D	GSU	08/11/2025	µg/L	13	13	13
SVE-6D	GSU	03/05/2007	µg/L	8200	8200	--
SVE-6D	GSU	03/05/2007	µg/L	7500	7500	--
SVE-6D	GSU	08/13/2009	µg/L	980	980	--
SVE-6D	GSU	02/03/2012	µg/L	330	330	--
SVE-6D	GSU	08/20/2012	µg/L	280	280	--
SVE-6D	GSU	08/14/2013	µg/L	260	260	--
SVE-6D	GSU	07/23/2014	µg/L	240	240	--
SVE-6D	GSU	07/23/2014	µg/L	240	240	--
SVE-6D	GSU	07/15/2015	µg/L	200	200	--
SVE-6D	GSU	07/13/2016	µg/L	180	180	180
SVE-6D	GSU	07/19/2017	µg/L	150	150	150
SVE-6D	GSU	07/19/2018	µg/L	130	130	130
SVE-6D	GSU	07/25/2019	µg/L	140	140	140

Monitoring Data for Trichloroethene (TCE) in Groundwater
Gravel Subunit Wells
TIAA Superfund Site - Airport Property
Tucson, Arizona

WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
SVE-6D	GSU	07/27/2020	µg/L	79	79	79
SVE-6D	GSU	07/28/2021	µg/L	79	79	79
SVE-6D	GSU	07/21/2022	µg/L	110	110	110
SVE-6D	GSU	08/15/2023	µg/L	100	100	100
SVE-6D	GSU	09/19/2024	µg/L	140 J	140	140
SVE-6D	GSU	08/12/2025	µg/L	7.3	7.3	7.3

Note:
-- * Due to differences in sampling frequency during the earlier period, data were removed to match the current sampling frequency (annual or semi-annual).

Attachment 3

Monitoring Data for Trichloroethene (TCE) in Groundwater Upper Regional Aquifer Wells

Monitoring Data for Trichloroethene (TCE) in Groundwater
Upper Regional Aquifer Wells
TIAA Superfund Site - Airport Property
Tucson, Arizona

WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
D-1	Regional	11/08/1992	µg/L	92	92	--
D-1	Regional	12/06/1993	µg/L	74	74	--
D-1	Regional	07/18/1997	µg/L	16	16	--
D-1	Regional	02/10/1998	µg/L	13.7	13.7	--
D-1	Regional	08/27/1998	µg/L	10	10	--
D-1	Regional	02/06/1999	µg/L	8.2	8.2	--
D-1	Regional	08/11/1999	µg/L	7.9	7.9	--
D-1	Regional	02/13/2000	µg/L	6.2	6.2	--
D-1	Regional	08/09/2000	µg/L	6.6	6.6	--
D-1	Regional	02/11/2001	µg/L	4.8	4.8	--
D-1	Regional	08/15/2001	µg/L	3.6	3.6	--
D-1	Regional	03/01/2002	µg/L	4.4	4.4	--
D-1	Regional	08/27/2002	µg/L	3.8	3.8	--
D-1	Regional	03/04/2003	µg/L	3.4	3.4	--
D-1	Regional	08/28/2003	µg/L	2.9	2.9	--
D-1	Regional	02/19/2004	µg/L	2.6	2.6	--
D-1	Regional	08/09/2004	µg/L	2.4	2.4	--
D-1	Regional	02/23/2005	µg/L	2.5	2.5	--
D-1	Regional	08/03/2005	µg/L	3.0	3	--
D-1	Regional	02/22/2006	µg/L	3.7 / 3.6	3.65	--
D-1	Regional	08/02/2006	µg/L	3.4	3.4	--
D-1	Regional	02/27/2007	µg/L	3.7 / 3.6	3.65	--
D-1	Regional	02/03/2010	µg/L	3.2	3.2	--
D-1	Regional	03/15/2011	µg/L	6.7	6.7	--
D-1	Regional	08/05/2011	µg/L	5.6 / 5.5	5.55	--
D-1	Regional	02/13/2012	µg/L	3.2	3.2	--
D-1	Regional	08/16/2012	µg/L	3.2	3.2	--
D-1	Regional	02/26/2013	µg/L	1.3 / 1.4	1.35	--
D-1	Regional	08/29/2013	µg/L	20	20	--
D-1	Regional	09/20/2013	µg/L	23	23	--
D-1	Regional	02/17/2014	µg/L	18	18	--
D-1	Regional	08/13/2014	µg/L	21	21	--
D-1	Regional	02/11/2015	µg/L	13	13	--
D-1	Regional	07/21/2015	µg/L	16	16	--
D-1	Regional	01/25/2016	µg/L	15	15	--
D-1	Regional	07/28/2016	µg/L	14	14	--
D-1	Regional	01/19/2017	µg/L	21	21	--
D-1	Regional	07/27/2017	µg/L	30	30	--
D-1	Regional	02/09/2018	µg/L	30	30	--
D-1	Regional	07/23/2018	µg/L	37	37	--
D-1	Regional	01/28/2019	µg/L	29	29	--
D-1	Regional	07/23/2019	µg/L	35	35	--
D-1	Regional	01/30/2020	µg/L	44	44	--
D-1	Regional	07/17/2020	µg/L	45	45	--
D-1	Regional	01/22/2021	µg/L	44	44	44
D-1	Regional	07/09/2021	µg/L	42	42	42
D-1	Regional	01/13/2022	µg/L	43 / 40	41.5	41.5
D-1	Regional	01/16/2023	µg/L	43	43	43

Monitoring Data for Trichloroethene (TCE) in Groundwater
Upper Regional Aquifer Wells
TIAA Superfund Site - Airport Property
Tucson, Arizona

WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
D-1	Regional	07/24/2023	µg/L	37 / 35	36	36
D-1	Regional	01/16/2024	µg/L	51	51	51
D-1	Regional	09/02/2024	µg/L	48 / 50	49	49
D-1	Regional	01/07/2025	µg/L	48	48	48
D-1	Regional	07/24/2025	µg/L	54	54	54
D-2	Regional	12/08/1993	µg/L	32 / 77	54.5	--
D-2	Regional	07/19/1997	µg/L	15	15	--
D-2	Regional	02/08/1998	µg/L	14.5	14.5	--
D-2	Regional	08/20/1998	µg/L	16	16	--
D-2	Regional	02/04/1999	µg/L	14	14	--
D-2	Regional	08/10/1999	µg/L	8.6	8.6	--
D-2	Regional	02/13/2000	µg/L	9.1	9.1	--
D-2	Regional	08/09/2000	µg/L	7.5	7.5	--
D-2	Regional	02/11/2001	µg/L	7.5	7.5	--
D-2	Regional	08/15/2001	µg/L	6.1	6.1	--
D-2	Regional	03/04/2002	µg/L	7.0 / 6.8	6.9	--
D-2	Regional	08/26/2002	µg/L	7.0	7	--
D-2	Regional	03/05/2003	µg/L	5.7	5.7	--
D-2	Regional	08/28/2003	µg/L	4.9	4.9	--
D-2	Regional	02/19/2004	µg/L	2.3	2.3	--
D-2	Regional	08/06/2004	µg/L	2.2	2.2	--
D-2	Regional	02/23/2005	µg/L	2.4 / 2.3	2.35	--
D-2	Regional	08/03/2005	µg/L	2.2	2.2	--
D-2	Regional	02/23/2006	µg/L	3.8	3.8	--
D-2	Regional	07/31/2006	µg/L	3.3	3.3	--
D-2	Regional	02/27/2007	µg/L	6.6	6.6	--
D-2	Regional	11/13/2007	µg/L	7.8	7.8	--
D-2	Regional	02/12/2008	µg/L	5.6	5.6	--
D-2	Regional	08/08/2008	µg/L	4 / 3.8	3.9	--
D-2	Regional	08/05/2009	µg/L	9.9	9.9	--
D-2	Regional	02/03/2010	µg/L	5.5	5.5	--
D-2	Regional	08/06/2010	µg/L	15	15	--
D-2	Regional	02/10/2011	µg/L	34	34	--
D-2	Regional	03/15/2011	µg/L	29 / 31	30	--
D-2	Regional	08/05/2011	µg/L	37	37	--
D-2	Regional	02/08/2012	µg/L	33	33	--
D-2	Regional	08/07/2012	µg/L	37	37	--
D-2	Regional	02/08/2013	µg/L	19	19	--
D-2	Regional	08/21/2013	µg/L	32 / 31	31.5	--
D-2	Regional	02/05/2014	µg/L	29	29	--
D-2	Regional	07/31/2014	µg/L	40	40	--
D-2	Regional	02/05/2015	µg/L	23	23	--
D-2	Regional	07/10/2015	µg/L	24	24	--
D-2	Regional	01/25/2016	µg/L	23	23	--
D-2	Regional	07/21/2016	µg/L	21	21	--
D-2	Regional	01/19/2017	µg/L	30	30	--
D-2	Regional	07/26/2017	µg/L	31	31	--
D-2	Regional	02/09/2018	µg/L	37	37	--

Monitoring Data for Trichloroethene (TCE) in Groundwater
Upper Regional Aquifer Wells
TIAA Superfund Site - Airport Property
Tucson, Arizona

WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
D-2	Regional	07/16/2018	µg/L	35	35	--
D-2	Regional	01/28/2019	µg/L	39	39	--
D-2	Regional	07/23/2019	µg/L	38	38	--
D-2	Regional	01/30/2020	µg/L	37	37	--
D-2	Regional	07/29/2020	µg/L	43	43	--
D-2	Regional	01/26/2021	µg/L	47	47	47
D-2	Regional	07/08/2021	µg/L	37 / 35	36	36
D-2	Regional	01/13/2022	µg/L	33	33	33
D-2	Regional	07/07/2022	µg/L	34	34	34
D-2	Regional	01/19/2023	µg/L	29	29	29
D-2	Regional	07/18/2023	µg/L	29	29	29
D-2	Regional	01/25/2024	µg/L	41	41	41
D-2	Regional	08/29/2024	µg/L	58	58	58
D-2	Regional	01/22/2025	µg/L	58 / 62	60	60
D-2	Regional	07/22/2025	µg/L	55 / 54	54.5	54.5
D-3	Regional	07/26/1995	µg/L	<5	0	--
D-3	Regional	07/18/1997	µg/L	0.5	0.5	--
D-3	Regional	02/06/1998	µg/L	0.49	0.49	--
D-3	Regional	08/25/1998	µg/L	4.2	4.2	--
D-3	Regional	02/02/1999	µg/L	2.9	2.9	--
D-3	Regional	08/10/1999	µg/L	2.3	2.3	--
D-3	Regional	02/11/2000	µg/L	<0.68	0	--
D-3	Regional	08/08/2000	µg/L	2.3	2.3	--
D-3	Regional	02/11/2001	µg/L	2.2	2.2	--
D-3	Regional	08/13/2001	µg/L	1.9	1.9	--
D-3	Regional	02/26/2002	µg/L	1.4	1.4	--
D-3	Regional	08/23/2002	µg/L	1.5	1.5	--
D-3	Regional	03/03/2003	µg/L	1.2	1.2	--
D-3	Regional	08/25/2003	µg/L	1 / 1	1	--
D-3	Regional	02/18/2004	µg/L	0.71	0.71	--
D-3	Regional	08/05/2004	µg/L	0.84	0.84	--
D-3	Regional	02/25/2005	µg/L	1	1	--
D-3	Regional	08/05/2005	µg/L	1.2	1.2	--
D-3	Regional	02/15/2006	µg/L	1.2	1.2	--
D-3	Regional	07/31/2006	µg/L	1.1	1.1	--
D-3	Regional	03/01/2007	µg/L	1.1	1.1	--
D-3	Regional	11/14/2007	µg/L	1.1	1.1	--
D-3	Regional	02/13/2008	µg/L	1.3	1.3	--
D-3	Regional	08/07/2008	µg/L	1.3	1.3	--
D-3	Regional	02/05/2009	µg/L	1	1	--
D-3	Regional	08/03/2009	µg/L	0.96	0.96	--
D-3	Regional	02/08/2010	µg/L	0.92	0.92	--
D-3	Regional	08/05/2010	µg/L	1.0	1	--
D-3	Regional	02/08/2011	µg/L	1.5	1.5	--
D-3	Regional	08/08/2011	µg/L	1.5	1.5	--
D-3	Regional	02/10/2012	µg/L	1.9	1.9	--
D-3	Regional	08/03/2012	µg/L	2.1	2.1	--
D-3	Regional	02/08/2013	µg/L	2.9	2.9	--

Monitoring Data for Trichloroethene (TCE) in Groundwater
Upper Regional Aquifer Wells
TIAA Superfund Site - Airport Property
Tucson, Arizona

WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
D-3	Regional	08/27/2013	µg/L	2.9	2.9	--
D-3	Regional	02/12/2014	µg/L	3.1	3.1	--
D-3	Regional	08/07/2014	µg/L	3.8	3.8	--
D-3	Regional	02/05/2015	µg/L	3.8	3.8	--
D-3	Regional	07/17/2015	µg/L	4.0	4	--
D-3	Regional	01/25/2016	µg/L	3.7	3.7	--
D-3	Regional	07/27/2016	µg/L	4.3	4.3	--
D-3	Regional	01/19/2017	µg/L	4.1	4.1	--
D-3	Regional	07/28/2017	µg/L	4.1	4.1	--
D-3	Regional	02/09/2018	µg/L	5.0	5	--
D-3	Regional	07/16/2018	µg/L	5.1	5.1	--
D-3	Regional	01/30/2019	µg/L	<4.1 / <4.1	0	--
D-3	Regional	07/23/2019	µg/L	4.7	4.7	--
D-3	Regional	01/23/2020	µg/L	4.9	4.9	--
D-3	Regional	07/29/2020	µg/L	4.0	4	--
D-3	Regional	01/28/2021	µg/L	4.4	4.4	4.4
D-3	Regional	07/09/2021	µg/L	4.0	4	4
D-3	Regional	01/13/2022	µg/L	4.7	4.7	4.7
D-3	Regional	07/07/2022	µg/L	6.0	6	6
D-3	Regional	01/16/2023	µg/L	5.8	5.8	5.8
D-3	Regional	07/17/2023	µg/L	5.6	5.6	5.6
D-3	Regional	01/16/2024	µg/L	5.1	5.1	5.1
D-3	Regional	08/15/2024	µg/L	5.1	5.1	5.1
D-3	Regional	01/23/2025	µg/L	4.8 / 4.8	4.8	4.8
D-3	Regional	07/25/2025	µg/L	3.9	3.9	3.9
D-4	Regional	07/17/1995	µg/L	1.4	1.4	--
D-4	Regional	02/03/1999	µg/L	<2	0	--
D-4	Regional	02/12/2000	µg/L	<0.68	0	--
D-4	Regional	02/10/2001	µg/L	<0.47	0	--
D-4	Regional	02/28/2002	µg/L	1.6 / 1.8	1.7	--
D-4	Regional	03/03/2003	µg/L	1.7	1.7	--
D-4	Regional	02/18/2004	µg/L	2	2	--
D-4	Regional	02/23/2005	µg/L	2.3	2.3	--
D-4	Regional	02/21/2006	µg/L	3.3 / 3.5	3.4	--
D-4	Regional	03/02/2007	µg/L	3.8 / 3.9	3.85	--
D-4	Regional	11/12/2007	µg/L	3.2	3.2	--
D-4	Regional	02/12/2008	µg/L	3.4	3.4	--
D-4	Regional	08/08/2008	µg/L	2.8	2.8	--
D-4	Regional	02/03/2009	µg/L	3.2	3.2	--
D-4	Regional	08/05/2009	µg/L	2.7	2.7	--
D-4	Regional	02/03/2010	µg/L	2.4	2.4	--
D-4	Regional	08/06/2010	µg/L	2.5 / 2.4	2.45	--
D-4	Regional	02/08/2011	µg/L	2.4	2.4	--
D-4	Regional	08/02/2011	µg/L	2.3	2.3	--
D-4	Regional	02/07/2012	µg/L	2.2	2.2	--
D-4	Regional	08/13/2012	µg/L	2.1	2.1	--
D-4	Regional	02/18/2013	µg/L	2.6	2.6	--
D-4	Regional	08/28/2013	µg/L	2.6	2.6	--

Monitoring Data for Trichloroethene (TCE) in Groundwater
Upper Regional Aquifer Wells
TIAA Superfund Site - Airport Property
Tucson, Arizona

WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
D-4	Regional	02/13/2014	µg/L	2.5	2.5	--
D-4	Regional	08/08/2014	µg/L	2.8	2.8	--
D-4	Regional	02/02/2015	µg/L	2.8	2.8	--
D-4	Regional	07/16/2015	µg/L	3.0	3	--
D-4	Regional	01/25/2016	µg/L	3.1	3.1	--
D-4	Regional	07/28/2016	µg/L	3.5	3.5	--
D-4	Regional	01/19/2017	µg/L	3.6	3.6	--
D-4	Regional	07/11/2017	µg/L	2.8	2.8	--
D-4	Regional	02/09/2018	µg/L	3.4 / 3.2	3.3	--
D-4	Regional	07/16/2018	µg/L	3.7	3.7	--
D-4	Regional	01/31/2019	µg/L	<3.7	0	--
D-4	Regional	07/23/2019	µg/L	4.4	4.4	--
D-4	Regional	01/30/2020	µg/L	3.8	3.8	--
D-4	Regional	07/29/2020	µg/L	3.2	3.2	--
D-4	Regional	01/27/2021	µg/L	3.6	3.6	3.6
D-4	Regional	07/08/2021	µg/L	3.0	3	3
D-4	Regional	01/13/2022	µg/L	3.2	3.2	3.2
D-4	Regional	07/08/2022	µg/L	3.5	3.5	3.5
D-4	Regional	01/12/2023	µg/L	2.9	2.9	2.9
D-4	Regional	07/18/2023	µg/L	3.4	3.4	3.4
D-4	Regional	01/17/2024	µg/L	3.3	3.3	3.3
D-4	Regional	08/14/2024	µg/L	3.5	3.5	3.5
D-4	Regional	01/08/2025	µg/L	3.0	3	3
D-4	Regional	07/09/2025	µg/L	3.5	3.5	3.5
D-5	Regional	07/27/1995	µg/L	16 / 16	16	--
D-5	Regional	07/10/1997	µg/L	25	25	--
D-5	Regional	02/07/1998	µg/L	17.9	17.9	--
D-5	Regional	08/20/1998	µg/L	20	20	--
D-5	Regional	02/04/1999	µg/L	13	13	--
D-5	Regional	08/11/1999	µg/L	12 / 250	131	--
D-5	Regional	02/13/2000	µg/L	9.4	9.4	--
D-5	Regional	08/08/2000	µg/L	10	10	--
D-5	Regional	08/14/2001	µg/L	6.2	6.2	--
D-5	Regional	03/01/2002	µg/L	6.2	6.2	--
D-5	Regional	08/26/2002	µg/L	6.0	6	--
D-5	Regional	03/06/2003	µg/L	4.8	4.8	--
D-5	Regional	08/28/2003	µg/L	4.3	4.3	--
D-5	Regional	02/19/2004	µg/L	3.5	3.5	--
D-5	Regional	08/06/2004	µg/L	3.2	3.2	--
D-5	Regional	02/23/2005	µg/L	3.4	3.4	--
D-5	Regional	08/04/2005	µg/L	3.2	3.2	--
D-5	Regional	02/23/2006	µg/L	3.4	3.4	--
D-5	Regional	07/31/2006	µg/L	3.6	3.6	--
D-5	Regional	03/01/2007	µg/L	4	4	--
D-5	Regional	11/13/2007	µg/L	4.4	4.4	--
D-5	Regional	02/12/2008	µg/L	3.9	3.9	--
D-5	Regional	08/08/2008	µg/L	2.5	2.5	--
D-5	Regional	02/04/2009	µg/L	2.1 / 2.1	2.1	--

Monitoring Data for Trichloroethene (TCE) in Groundwater
Upper Regional Aquifer Wells
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Tucson, Arizona

WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
D-5	Regional	08/05/2009	µg/L	2.9	2.9	--
D-5	Regional	02/03/2010	µg/L	2.8	2.8	--
D-5	Regional	08/06/2010	µg/L	4.2	4.2	--
D-5	Regional	02/09/2011	µg/L	4.8	4.8	--
D-5	Regional	08/04/2011	µg/L	4.9	4.9	--
D-5	Regional	02/09/2012	µg/L	3.1	3.1	--
D-5	Regional	08/06/2012	µg/L	3.2	3.2	--
D-5	Regional	02/15/2013	µg/L	3.1	3.1	--
D-5	Regional	08/22/2013	µg/L	7	7	--
D-5	Regional	02/06/2014	µg/L	10	10	--
D-5	Regional	08/05/2014	µg/L	15	15	--
D-5	Regional	01/30/2015	µg/L	11 / 11	11	--
D-5	Regional	07/10/2015	µg/L	9.7	9.7	--
D-5	Regional	01/25/2016	µg/L	9.3	9.3	--
D-5	Regional	07/25/2016	µg/L	9.2	9.2	--
D-5	Regional	01/19/2017	µg/L	14	14	--
D-5	Regional	07/26/2017	µg/L	24	24	--
D-5	Regional	11/15/2017	µg/L	17	17	--
D-5	Regional	02/12/2018	µg/L	21	21	--
D-5	Regional	07/16/2018	µg/L	33	33	--
D-5	Regional	01/28/2019	µg/L	24	24	--
D-5	Regional	07/23/2019	µg/L	23	23	--
D-5	Regional	01/31/2020	µg/L	38	38	--
D-5	Regional	07/29/2020	µg/L	42	42	--
D-5	Regional	01/25/2021	µg/L	36	36	36
D-5	Regional	07/08/2021	µg/L	36	36	36
D-5	Regional	01/13/2022	µg/L	44	44	44
D-5	Regional	07/07/2022	µg/L	49 / 46	47.5	47.5
D-5	Regional	01/19/2023	µg/L	46 J	46	46
D-5	Regional	07/17/2023	µg/L	46	46	46
D-5	Regional	01/12/2024	µg/L	50	50	50
D-5	Regional	08/27/2024	µg/L	40 / 39	39.5	39.5
D-5	Regional	01/20/2025	µg/L	31	31	31
D-5	Regional	07/14/2025	µg/L	24	24	24
D-6	Regional	12/15/1995	µg/L	3.4	3.4	--
D-6	Regional	07/18/1997	µg/L	2.9 / 2.7	2.8	--
D-6	Regional	11/13/1997	µg/L	3.27	3.27	--
D-6	Regional	02/07/1998	µg/L	2.81	2.81	--
D-6	Regional	08/19/1998	µg/L	2.5	2.5	--
D-6	Regional	02/04/1999	µg/L	1.7	1.7	--
D-6	Regional	08/10/1999	µg/L	<2	0	--
D-6	Regional	02/12/2000	µg/L	<0.68	0	--
D-6	Regional	08/08/2000	µg/L	1.5	1.5	--
D-6	Regional	02/10/2001	µg/L	<0.47	0	--
D-6	Regional	08/14/2001	µg/L	1.5 / 1.7	1.6	--
D-6	Regional	02/28/2002	µg/L	2.0	2	--
D-6	Regional	08/22/2002	µg/L	7.2	7.2	--
D-6	Regional	03/05/2003	µg/L	12	12	--

Monitoring Data for Trichloroethene (TCE) in Groundwater
Upper Regional Aquifer Wells
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WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
D-6	Regional	08/27/2003	µg/L	11	11	--
D-6	Regional	02/19/2004	µg/L	10	10	--
D-6	Regional	08/06/2004	µg/L	10 / 10	10	--
D-6	Regional	02/24/2005	µg/L	8.7	8.7	--
D-6	Regional	08/02/2005	µg/L	8.3	8.3	--
D-6	Regional	02/20/2006	µg/L	5.9	5.9	--
D-6	Regional	07/31/2006	µg/L	6.8	6.8	--
D-6	Regional	02/27/2007	µg/L	6.2	6.2	--
D-6	Regional	11/13/2007	µg/L	5.7	5.7	--
D-6	Regional	02/12/2008	µg/L	6.6	6.6	--
D-6	Regional	08/11/2008	µg/L	5	5	--
D-6	Regional	02/06/2009	µg/L	6.2	6.2	--
D-6	Regional	08/05/2009	µg/L	5.1	5.1	--
D-6	Regional	02/04/2010	µg/L	5.8	5.8	--
D-6	Regional	08/06/2010	µg/L	3.4	3.4	--
D-6	Regional	02/08/2011	µg/L	8.7	8.7	--
D-6	Regional	08/03/2011	µg/L	3.9	3.9	--
D-6	Regional	02/09/2012	µg/L	1.1 / 3.1	2.1	--
D-6	Regional	08/08/2012	µg/L	4.8	4.8	--
D-6	Regional	02/06/2013	µg/L	6	6	--
D-6	Regional	08/08/2013	µg/L	5.5	5.5	--
D-6	Regional	02/07/2014	µg/L	6.7	6.7	--
D-6	Regional	07/28/2014	µg/L	5.8	5.8	--
D-6	Regional	01/26/2015	µg/L	5.5	5.5	--
D-6	Regional	07/08/2015	µg/L	4.7 J	4.7	--
D-6	Regional	01/25/2016	µg/L	4.6	4.6	--
D-6	Regional	07/21/2016	µg/L	2.7	2.7	--
D-6	Regional	01/19/2017	µg/L	6.2	6.2	--
D-6	Regional	07/10/2017	µg/L	4.6	4.6	--
D-6	Regional	02/09/2018	µg/L	5.7	5.7	--
D-6	Regional	07/24/2018	µg/L	6.1	6.1	--
D-6	Regional	01/30/2019	µg/L	5.5	5.5	--
D-6	Regional	07/23/2019	µg/L	6.8	6.8	--
D-6	Regional	01/30/2020	µg/L	7.0	7	--
D-6	Regional	07/17/2020	µg/L	7.8	7.8	--
D-6	Regional	01/25/2021	µg/L	9.0	9	9
D-6	Regional	07/08/2021	µg/L	8.2 / 8.2	8.2	8.2
D-6	Regional	01/13/2022	µg/L	8.1	8.1	8.1
D-6	Regional	07/08/2022	µg/L	8.1	8.1	8.1
D-6	Regional	01/13/2023	µg/L	7.0	7	7
D-6	Regional	07/17/2023	µg/L	7.9	7.9	7.9
D-6	Regional	01/12/2024	µg/L	7.5	7.5	7.5
D-6	Regional	08/29/2024	µg/L	7.3	7.3	7.3
D-6	Regional	01/21/2025	µg/L	6.9	6.9	6.9
D-6	Regional	07/23/2025	µg/L	6.8	6.8	6.8
D-7	Regional	08/13/1998	µg/L	200	200	--
D-7	Regional	02/07/1999	µg/L	200	200	--
D-7	Regional	08/11/1999	µg/L	150	150	--

Monitoring Data for Trichloroethene (TCE) in Groundwater
Upper Regional Aquifer Wells
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WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
D-7	Regional	02/14/2000	µg/L	170	170	--
D-7	Regional	08/09/2000	µg/L	180	180	--
D-7	Regional	02/12/2001	µg/L	100	100	--
D-7	Regional	08/15/2001	µg/L	98	98	--
D-7	Regional	03/05/2002	µg/L	61	61	--
D-7	Regional	08/21/2002	µg/L	50	50	--
D-7	Regional	03/10/2003	µg/L	32	32	--
D-7	Regional	08/29/2003	µg/L	19	19	--
D-7	Regional	02/19/2004	µg/L	16	16	--
D-7	Regional	08/10/2004	µg/L	17	17	--
D-7	Regional	02/24/2005	µg/L	11	11	--
D-7	Regional	08/02/2005	µg/L	11.0	11	--
D-7	Regional	02/20/2006	µg/L	10	10	--
D-7	Regional	08/02/2006	µg/L	9.4	9.4	--
D-7	Regional	03/01/2007	µg/L	7.9	7.9	--
D-7	Regional	11/13/2007	µg/L	13	13	--
D-7	Regional	02/12/2008	µg/L	12	12	--
D-7	Regional	08/11/2008	µg/L	9.1	9.1	--
D-7	Regional	02/09/2009	µg/L	9.8	9.8	--
D-7	Regional	08/05/2009	µg/L	15	15	--
D-7	Regional	02/04/2010	µg/L	9.3	9.3	--
D-7	Regional	08/09/2010	µg/L	10	10	--
D-7	Regional	02/09/2011	µg/L	8.0 / 8.8	8.4	--
D-7	Regional	08/03/2011	µg/L	8.4	8.4	--
D-7	Regional	02/09/2012	µg/L	8.2	8.2	--
D-7	Regional	08/08/2012	µg/L	7.5	7.5	--
D-7	Regional	02/05/2013	µg/L	6	6	--
D-7	Regional	08/20/2013	µg/L	6.2	6.2	--
D-7	Regional	02/07/2014	µg/L	4.9	4.9	--
D-7	Regional	07/28/2014	µg/L	5.7	5.7	--
D-7	Regional	01/26/2015	µg/L	7.0	7	--
D-7	Regional	07/07/2015	µg/L	7.0	7	--
D-7	Regional	01/25/2016	µg/L	6.5	6.5	--
D-7	Regional	07/21/2016	µg/L	7.2	7.2	--
D-7	Regional	01/19/2017	µg/L	6.7	6.7	--
D-7	Regional	07/10/2017	µg/L	5.1	5.1	--
D-7	Regional	02/09/2018	µg/L	6.7	6.7	--
D-7	Regional	07/16/2018	µg/L	6.8	6.8	--
D-7	Regional	01/29/2019	µg/L	7.9	7.9	--
D-7	Regional	07/23/2019	µg/L	7.8	7.8	--
D-7	Regional	01/31/2020	µg/L	7.1	7.1	--
D-7	Regional	07/17/2020	µg/L	6.6	6.6	--
D-7	Regional	01/25/2021	µg/L	6.7	6.7	6.7
D-7	Regional	07/08/2021	µg/L	5.5	5.5	5.5
D-7	Regional	01/13/2022	µg/L	6.4	6.4	6.4
D-7	Regional	07/08/2022	µg/L	7.2	7.2	7.2
D-7	Regional	01/13/2023	µg/L	6.6	6.6	6.6
D-7	Regional	07/19/2023	µg/L	5.4	5.4	5.4

Monitoring Data for Trichloroethene (TCE) in Groundwater
Upper Regional Aquifer Wells
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WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
D-7	Regional	01/12/2024	µg/L	5.3	5.3	5.3
D-7	Regional	08/13/2024	µg/L	7.2	7.2	7.2
D-7	Regional	01/20/2025	µg/L	7.4	7.4	7.4
D-7	Regional	07/18/2025	µg/L	6.4	6.4	6.4
D-8	Regional	08/12/1998	µg/L	15	15	--
D-8	Regional	02/05/1999	µg/L	13	13	--
D-8	Regional	08/10/1999	µg/L	11	11	--
D-8	Regional	02/13/2000	µg/L	11 / 11	11	--
D-8	Regional	08/08/2000	µg/L	12	12	--
D-8	Regional	02/11/2001	µg/L	12	12	--
D-8	Regional	08/14/2001	µg/L	11	11	--
D-8	Regional	03/01/2002	µg/L	8.3	8.3	--
D-8	Regional	08/23/2002	µg/L	6.3	6.3	--
D-8	Regional	03/05/2003	µg/L	4.3	4.3	--
D-8	Regional	08/28/2003	µg/L	5.3	5.3	--
D-8	Regional	02/19/2004	µg/L	3.6	3.6	--
D-8	Regional	08/06/2004	µg/L	2.7	2.7	--
D-8	Regional	02/24/2005	µg/L	3.8	3.8	--
D-8	Regional	08/02/2005	µg/L	5.6	5.6	--
D-8	Regional	02/20/2006	µg/L	7	7	--
D-8	Regional	07/31/2006	µg/L	5.3	5.3	--
D-8	Regional	02/27/2007	µg/L	10	10	--
D-8	Regional	08/06/2009	µg/L	32	32	--
D-8	Regional	02/03/2010	µg/L	9.4	9.4	--
D-8	Regional	08/09/2010	µg/L	5.0 / 5.0	5	--
D-8	Regional	02/09/2011	µg/L	5.4	5.4	--
D-8	Regional	08/05/2011	µg/L	5.9	5.9	--
D-8	Regional	02/10/2012	µg/L	5.6	5.6	--
D-8	Regional	08/09/2012	µg/L	5.1 / 5	5.05	--
D-8	Regional	02/05/2013	µg/L	5.7 / 6	5.85	--
D-8	Regional	08/20/2013	µg/L	5.3 / 5.6	5.45	--
D-8	Regional	02/11/2014	µg/L	6.5	6.5	--
D-8	Regional	07/28/2014	µg/L	6.3	6.3	--
D-8	Regional	01/27/2015	µg/L	5.5	5.5	--
D-8	Regional	07/07/2015	µg/L	5.7	5.7	--
D-8	Regional	01/25/2016	µg/L	5.4	5.4	--
D-8	Regional	07/20/2016	µg/L	6.5	6.5	--
D-8	Regional	01/19/2017	µg/L	10	10	--
D-8	Regional	07/11/2017	µg/L	5.9	5.9	--
D-8	Regional	02/12/2018	µg/L	12	12	--
D-8	Regional	07/16/2018	µg/L	6.7	6.7	--
D-8	Regional	01/29/2019	µg/L	6.9	6.9	--
D-8	Regional	07/23/2019	µg/L	8.7	8.7	--
D-8	Regional	01/30/2020	µg/L	9.5	9.5	--
D-8	Regional	07/30/2020	µg/L	9.2	9.2	--
D-8	Regional	01/25/2021	µg/L	10	10	10
D-8	Regional	07/08/2021	µg/L	8.1	8.1	8.1
D-8	Regional	01/13/2022	µg/L	9.8	9.8	9.8

Monitoring Data for Trichloroethene (TCE) in Groundwater
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WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
D-8	Regional	07/08/2022	µg/L	11	11	11
D-8	Regional	01/13/2023	µg/L	9.8	9.8	9.8
D-8	Regional	07/18/2023	µg/L	8.0	8	8
D-8	Regional	01/25/2024	µg/L	5.9	5.9	5.9
D-8	Regional	08/13/2024	µg/L	5.5	5.5	5.5
D-8	Regional	01/20/2025	µg/L	6.4	6.4	6.4
D-8	Regional	07/21/2025	µg/L	7.3	7.3	7.3
D-9	Regional	03/13/2003	µg/L	3.2	3.2	--
D-9	Regional	08/22/2003	µg/L	2	2	--
D-9	Regional	08/11/2004	µg/L	1.4	1.4	--
D-9	Regional	03/01/2005	µg/L	<1.7	0	--
D-9	Regional	08/04/2005	µg/L	1.3	1.3	--
D-9	Regional	02/23/2006	µg/L	1.2	1.2	--
D-9	Regional	07/31/2006	µg/L	1.4	1.4	--
D-9	Regional	03/01/2007	µg/L	1.6	1.6	--
D-9	Regional	11/12/2007	µg/L	1.6	1.6	--
D-9	Regional	02/12/2008	µg/L	0.92	0.92	--
D-9	Regional	08/07/2008	µg/L	0.52	0.52	--
D-9	Regional	02/03/2009	µg/L	<0.5 / <0.5	0	--
D-9	Regional	08/03/2009	µg/L	1.1	1.1	--
D-9	Regional	02/02/2010	µg/L	0.80	0.8	--
D-9	Regional	08/05/2010	µg/L	0.51	0.51	--
D-9	Regional	02/08/2011	µg/L	0.50	0.5	--
D-9	Regional	08/04/2011	µg/L	<0.5	0	--
D-9	Regional	02/07/2012	µg/L	<0.5	0	--
D-9	Regional	08/21/2012	µg/L	<0.5	0	--
D-9	Regional	02/18/2013	µg/L	<0.5	0	--
D-9	Regional	08/28/2013	µg/L	0.98	0.98	--
D-9	Regional	02/13/2014	µg/L	0.71	0.71	--
D-9	Regional	08/06/2014	µg/L	0.86	0.86	--
D-9	Regional	02/02/2015	µg/L	<0.50	0	--
D-9	Regional	07/10/2015	µg/L	<0.50	0	--
D-9	Regional	01/25/2016	µg/L	<0.50	0	--
D-9	Regional	07/28/2016	µg/L	<0.50	0	--
D-9	Regional	01/19/2017	µg/L	0.89	0.89	--
D-9	Regional	07/21/2017	µg/L	0.78	0.78	--
D-9	Regional	02/09/2018	µg/L	0.78	0.78	--
D-9	Regional	07/16/2018	µg/L	1.0	1	--
D-9	Regional	01/25/2019	µg/L	<0.50	0	--
D-9	Regional	07/23/2019	µg/L	1.1	1.1	--
D-9	Regional	01/31/2020	µg/L	0.99	0.99	--
D-9	Regional	07/30/2020	µg/L	0.90	0.9	--
D-9	Regional	01/27/2021	µg/L	0.57	0.57	0.57
D-9	Regional	07/09/2021	µg/L	0.81	0.81	0.81
D-9	Regional	01/13/2022	µg/L	1.6	1.6	1.6
D-9	Regional	07/08/2022	µg/L	1.0	1	1
D-9	Regional	01/13/2023	µg/L	1.9	1.9	1.9
D-9	Regional	07/18/2023	µg/L	11	11	11

Monitoring Data for Trichloroethene (TCE) in Groundwater
Upper Regional Aquifer Wells
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WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
D-9	Regional	11/21/2023	µg/L	23	23	-- *
D-9	Regional	01/25/2024	µg/L	23	23	23
D-9	Regional	08/27/2024	µg/L	5.4	5.4	5.4
D-9	Regional	01/09/2025	µg/L	2.1	2.1	2.1
D-9	Regional	07/08/2025	µg/L	0.95	0.95	0.95
MWR-2	Regional	01/14/2003	µg/L	1.0	1	--
MWR-2	Regional	01/29/2003	µg/L	1.1	1.1	--
MWR-2	Regional	02/23/2004	µg/L	1.2	1.2	--
MWR-2	Regional	10/06/2005	µg/L	<0.5	0	--
MWR-2	Regional	01/13/2006	µg/L	1.2	1.2	--
MWR-2	Regional	04/18/2006	µg/L	0.5	0.5	--
MWR-2	Regional	07/26/2006	µg/L	1.1	1.1	--
MWR-2	Regional	03/02/2007	µg/L	2.8	2.8	--
MWR-2	Regional	02/21/2008	µg/L	0.81	0.81	--
MWR-2	Regional	08/15/2008	µg/L	0.71	0.71	--
MWR-2	Regional	02/03/2009	µg/L	4	4	--
MWR-2	Regional	08/18/2009	µg/L	2.2	2.2	--
MWR-2	Regional	02/15/2010	µg/L	0.72 / 0.72	0.72	--
MWR-2	Regional	08/18/2010	µg/L	1.3	1.3	--
MWR-2	Regional	02/16/2011	µg/L	2.1	2.1	--
MWR-2	Regional	08/15/2011	µg/L	2.7	2.7	--
MWR-2	Regional	02/08/2012	µg/L	4.2	4.2	--
MWR-2	Regional	08/06/2012	µg/L	4.6	4.6	--
MWR-2	Regional	02/08/2013	µg/L	5.2	5.2	--
MWR-2	Regional	08/07/2013	µg/L	4.6	4.6	--
MWR-2	Regional	02/05/2014	µg/L	4.7	4.7	--
MWR-2	Regional	07/30/2014	µg/L	4.5	4.5	--
MWR-2	Regional	02/05/2015	µg/L	4.4	4.4	--
MWR-2	Regional	07/07/2015	µg/L	4.6 / 4.1	4.35	--
MWR-2	Regional	01/25/2016	µg/L	5.4	5.4	--
MWR-2	Regional	07/19/2016	µg/L	5.5	5.5	--
MWR-2	Regional	01/19/2017	µg/L	6.8	6.8	--
MWR-2	Regional	07/13/2017	µg/L	4.8	4.8	--
MWR-2	Regional	02/12/2018	µg/L	6.6	6.6	--
MWR-2	Regional	07/09/2018	µg/L	5.8	5.8	--
MWR-2	Regional	01/15/2019	µg/L	5.3	5.3	--
MWR-2	Regional	07/23/2019	µg/L	6.7	6.7	--
MWR-2	Regional	01/22/2020	µg/L	5.4	5.4	--
MWR-2	Regional	07/17/2020	µg/L	4.5	4.5	--
MWR-2	Regional	01/19/2021	µg/L	4.0	4	4
MWR-2	Regional	07/08/2021	µg/L	3.1	3.1	3.1
MWR-2	Regional	01/10/2022	µg/L	3.8	3.8	3.8
MWR-2	Regional	07/07/2022	µg/L	4.1	4.1	4.1
MWR-2	Regional	01/12/2023	µg/L	3.6	3.6	3.6
MWR-2	Regional	07/27/2023	µg/L	4.7 J+	4.7	4.7
MWR-2	Regional	01/09/2024	µg/L	5.6 / 5.6	5.6	5.6
MWR-2	Regional	08/06/2024	µg/L	5.8	5.8	5.8
MWR-2	Regional	01/13/2025	µg/L	4.9	4.9	4.9

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WELL	GROUP	DATE	UNIT	TCE	TCE RESULT USED IN TREND TESTS	
					Overall trend test	Recent trend test
MWR-2	Regional	08/07/2025	µg/L	5.1	5.1	5.1

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