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DRAFT
REMEDIAL INVESTIGATION REPORT
TECT AEROSPACE SITE

Seattle Paine Field International Airport
Everett, Washington

September 17, 2026

Prepared for

Seattle Paine Field International Airport
Everett, Washington

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Remedial Investigation Report
TECT Aerospace Site
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Everett, Washington

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LIST OF ABBREVIATIONS AND ACRONYMS

µg/kg ..... micrograms per kilogram
µg/L ..... micrograms per liter
µg/m^3 ..... micrograms per cubic meter
ADCS ..... Air Defense Command System
AFFF ..... aqueous film-forming foam
AGI ..... AGI Technologies
All Fab ..... All Fab, Inc.
AO ..... Agreed Order No. DE 21781
AST ..... aboveground storage tank
ATS ..... Aviation Technical Services
bgs ..... below ground surface
BTEX ..... benzene, toluene, ethylbenzene, xylenes
CDM ..... Camp Dresser & McKee Inc.
CLARC ..... Ecology's Cleanup Levels and Risk Calculations database
cm ..... centimeter
COC ..... constituent of concern
County ..... Snohomish County, Washington
cPAH ..... carcinogenic polycyclic aromatic hydrocarbon
CUL ..... cleanup level
DCA ..... dichloroethane
DCE ..... dichloroethene
DNAPL ..... dense non-aqueous phase liquid
DOH ..... Washington State Department of Health
DRO ..... diesel-range organics
Ecology ..... Washington State Department of Ecology
EHD Map ..... environmental health disparities map
EIM ..... Ecology's Environmental Information Management database
EJ ..... environmental justice
EPA ..... US Environmental Protection Agency
EPI ..... Environmental Partners Inc.
ESA ..... environmental site assessment
FEMA ..... Federal Emergency Management Agency
FS ..... feasibility study
ft ..... foot/feet
ft^2 ..... square foot/feet
ft^3 ..... cubic foot/feet
Giddens Trust ..... Thomas V. Giddens Living Trust
gpm ..... gallons per minute

LIST OF ABBREVIATIONS AND ACRONYMS (CONTINUED)

Landau ..... Landau Associates, Inc.
MCL ..... maximum contaminant level
mg/kg ..... milligrams per kilogram
MTCA ..... Model Toxics Control Act
NFA ..... No Further Action
ORO ..... oil-range organics
PAH ..... polycyclic aromatic hydrocarbon
Paine Field ..... Seattle Paine Field International Airport
PCE ..... tetrachloroethene
pCUL ..... preliminary cleanup level
PFAS ..... perfluoroalkyl and polyfluoroalkyl substances
PFOA ..... perfluorooctanoic acid
PFOS ..... perfluorooctane sulfonic acid
$PM_{2.5}$ ..... particulate matter with an aerodynamic diameter less than or equal to 2.5 microns
PQL ..... practical quantitation limit
PVC ..... polyvinyl chloride
RI ..... remedial investigation
sec ..... second
SGC ..... silica-gel cleanup
Site ..... TECT Aerospace Everett site
SL ..... screening level
TCA ..... trichloroethane
TCE ..... trichloroethene
TEE ..... terrestrial ecological evaluation
TOC ..... total organic carbon
TPH ..... total petroleum hydrocarbons
TPH-D ..... diesel-range TPH
TPH-G ..... gasoline-range TPH
TPH-O ..... oil-range TPH
UNC ..... United Nuclear Corporation
USACE ..... US Army Corps of Engineers
UST ..... underground storage tank
VC ..... vinyl chloride
VOC ..... volatile organic compound
WAC ..... Washington Administrative Code
WDNR ..... Washington State Department of Natural Resources

1.0 INTRODUCTION

The purpose of this report is to document the results of a remedial investigation (RI) conducted under Agreed Order No. DE 21781 (AO) between the Washington State Department of Ecology (Ecology) and Snohomish County (County) for the TECT Aerospace Everett site (Site) at the Seattle Paine Field International Airport (Paine Field) in Everett, Washington (Figure 1). The AO became effective on August 30, 2023 and requires the County to conduct a Model Toxics Control Act (MTCA) remedial investigation (RI) and feasibility study (FS), and to prepare a preliminary cleanup action plan to address known subsurface contamination at the Site. The Site is listed on Ecology's Confirmed and Suspected Contaminated Sites List as TECT Aerospace Everett with Facility Site ID No. 17392 and Cleanup Site ID No. 12071. Landau Associates, Inc. (Landau) has been providing consulting services to the County throughout the RI and has prepared this report on behalf of the County.

The purpose of the RI and FS is to collect, develop, and evaluate sufficient information regarding a site to select a cleanup action under Washington Administrative Code (WAC) 173-340-360 through 173-340-390. The RI was conducted in accordance with the TECT Aerospace AO RI/FS work plan (Appendix A), which was approved by Ecology (2024a) and finalized on May 7, 2024. The first phase of AO RI field activities was conducted between May and August 2024 and a second phase of AO RI field activities was conducted between November 2024 and July 2025. The results of the first two phases of the RI were documented in two interim data reports (Landau 2024b, 2025). Following completion of the second phase of AO RI field activities and Ecology review of the interim data reports, Ecology and the County agreed that sufficient Site characterization activities had been completed to proceed with preparation of this RI report (Unruh 2025).

In addition to describing the results of the AO RI activities, this report provides the results of investigation and interim cleanup activities conducted prior to completion of the AO RI/FS work plan dating back to the 1990s. While the pre- and post-AO activities are discussed separately in Sections 5 and 6, respectively, the results of these activities are merged in Section 8 (Conceptual Site Model) and on figures and in tables showing investigation data.

The Site encompasses an area of Paine Field of approximately 22 acres that has historically been used for multiple different industrial purposes that have been the subject of separate environmental investigations over the past 30 or more years. The following investigation areas have been identified for the Site based on past Site use and the results of previous Site investigations, as described in the AO:

- Building C-19
- Building C-20, C-21, C-22 Complex[1]
- Building C-23 and C-23 Annex
- Former Building C-29 / Former East Fuel Farm (this area also includes former Building C-27)

[1] Buildings within the Building C-20, -21, -22 Complex and Building C-23 and C-23 Annex were demolished in early 2024. However, because the building foundations and concrete slabs were left in place, the buildings are not referred to as "former" buildings in this document. This convention will continue as long as the foundations/slabs remain in place.

- Deep Aquifer.

These investigation areas and the buildings or former buildings located within the investigation areas are shown on Figure 2, except the deep aquifer, which is vertically below the four shallow investigation areas. Most of the discussion on RI results in this report is divided into these separate areas.

2.0 SITE DESCRIPTION AND BACKGROUND

This section describes features of the Site, current and future land and water use, and historical Site uses. Vulnerable populations and climate change considerations are also discussed per Ecology's Implementation Memorandum No. 25 (Ecology 2024b) and WAC 173-340-350(6)(f).

2.1 Current Site Features

The Site is located in the southeastern portion of Paine Field, as shown on Figure 1. The location of the Site and estimated Site boundary is shown on Figure 2. The Site is generally bounded by Runway 34R-16L and taxiway G on the east, a paved surface parking lot followed by 112th Street SW to the south, 109th Street and 30th Avenue South to the west, and the Aviation Technical Services (ATS) Hangar 1 lease area to the north. The former East Fuel Farm is located within the boundary of the ATS lease area.

The Site is at an average elevation of approximately 600 feet (ft) above mean sea level. Surface topography at and in the vicinity of Paine Field is generally flat. To the west of the Paine Field, the land surface slopes downward to the west toward Puget Sound, located approximately 2.5 miles west of the Site.

Predominant Site features are described as follows:

- The former US Air Force East Fuel Farm is located at the north end of the Site. Underground storage tanks (USTs) remain in place. This area currently consists of undeveloped land covered with mown grass, small trees, and blackberry plants.
- Former Building C-29 was previously located south of the former East Fuel Farm. The former building area is currently occupied by overgrown vegetation and is partially enclosed by a chain-link fence. The footprint of former Building C-27 is located southwest of the former Building C-29 area and is currently used as a parking lot for ATS employees.
- Building C-23 occupied the central portion of the Site and consisted of three sections: a 43,164-square-foot (ft^2) portion that included the Machine Shop and Deburr Area; a 2,400-ft^2 structure on the east side, that included a metal chip processing area and the oil shed; and the 16,000-ft^2 Annex. Building C-23 and Annex were demolished in early 2024. The building foundations were left in place. Grassy fields are located to the north and east of Building C-23.
- Buildings C-20, C-21, and C-22 were constructed at different times, and were connected to each other by enclosed breezeways to form a large complex of buildings located to the south of Building C-23. These buildings were demolished in early 2024 and the foundations remain in place.
- Building C-19 occupies the southern portion of the Site and is owned by the Thomas V. Giddens Living Trust (Giddens Trust), on land leased from the County. The building is currently occupied by FAM Waterjet, a metal fabrication company.

Much of the Site is paved with asphalt and cement concrete, with some unpaved areas to the north and east.

2.2 Current and Future Land Use

The Site is currently zoned for light industrial use (Snohomish County; accessed March 18, 2026). The Site land and buildings are owned by the County and leased to tenants for aerospace manufacturing and other light industrial operations, with the exception of Building C-19, which is owned by the Giddens Trust. The former locations of the East Fuel Farm and Building C-29 are currently unoccupied. Future land use is anticipated to be light industrial operations and aviation-related uses consistent with the Federal Aviation Administration-approved 2024 Airport Master Plan, zoning, and the current Site use.

2.3 Current and Future Groundwater Use

Based on investigation activities conducted to date, groundwater at or potentially affected by the Site is not currently used for drinking water and future use of groundwater at the Site as drinking water is not anticipated. The drinking water source for Paine Field is Spada Lake, located approximately 8 miles north of Sultan, Washington. Drinking water at the Site is distributed by Mukilteo Water and Wastewater District and is treated by the City of Everett.

2.4 Site History

This section presents a brief history of Paine Field and the Site.

2.4.1 Paine Field History

Paine Field was first developed in the late 1930s on a 640-acre parcel that was previously owned by the Puget Mill Company. Construction on Paine Field began in 1936 and Paine Field was operating 2 years later. The US Army Air Corps leased Paine Field from the County in 1940 and acquired Paine Field in 1941 for use as an Army airfield, named Paine Field. Between 1941 and 1942, the current Paine Field configuration was established. Military use of the airfield continued until October 1945 and the County regained ownership in 1948. In 1950, the US Air Force rehabilitated the old Army Air Corps facilities and improved runways as part of the Air Defense Command System (ADCS). From 1951 through 1968, Paine Field served both the US Air Force (southern portion) and the County (northern portion). Construction of a BOMARC (long-range anti-aircraft) missile site began in 1957 to the northeast of the Site, but was not completed. In 1968, the US Air Force deactivated the ADCS portion of Paine Field (Landau 1993).

2.4.2 Building C-19

The area of Building C-19 was historically developed with barracks associated with the former military operations at the Site. Building C-19 was constructed in 1979, and is owned by the Giddens Trust. The land is owned by the County and is under a long-term lease to the Giddens Trust through October 2028. Since its construction, Building C-19 was operated along with Buildings C-20, C-21, C-22, and C-23 for aerospace parts manufacturing (see Section 2.4.3). In approximately 2013 or 2014, TECT Aerospace vacated Building C-19 and the building is currently occupied by FAM Waterjet, a metal fabrication company.

2.4.3 Buildings C-20, C-21, C-22, and C-23

The Building C-20, C-21, C-22 complex was constructed in stages beginning in the 1950s. The southern portion of Building C-23 was originally constructed between 1941 and 1952 as two buildings, later connected by a breezeway. The east side of the building (oil shed) was added in 1978. The Annex was built on the north side of the building in 1987. This portion of the Site has been used for aerospace manufacturing since the 1950s. General operations have reportedly remained relatively unchanged, although the business names and ownership have changed over time. Previous operators of the facility have included Castle Industries (1950s), All Fab (1960s-1980s), Certified Holdings Corporation, United Nuclear Corporation (UNC), Grenwich, General Electric, Neuvant Aerospace, Prudential, and TECT Aerospace (2004 to July 2019). TECT Aerospace consolidated its operations in Building C-23 in late 2017 and the Building C-20, C-21, C-22 complex is currently unoccupied.

Manufacturing processes/structures in this area of the Site included: Maintenance shop, freezer, brake press, tumbler (Building C-20); sheet metal fabrication, forming, welding, heat treating (Building C-21); machining, stretch form, and hammer shop (Building C-22); and machining, hand forming, trimming, assembly, painting, and deburring (Building C-23). Buildings C-20 through C-23 were demolished in early 2024. The concrete slabs were left in place.

2.4.4 Former Building C-29

Former Building C-29 (also referred to as the Meiers Building) was a chemical storage shed that was located west of the northwest corner of Building C-23 (Figure 2). The building is first visible in aerial photographs from 1947. The building was reportedly partially occupied by Meiers Wrought Iron from 1965 to 1981 and also by All Fab, Inc. (All Fab). The building was removed in January 1996 while being leased by UNC Aerostructures (Envirotech 1997). Contamination was discovered beneath the building at the time of demolition, as discussed in Section 5.3.1.

2.4.5 Former East Fuel Farm

The former East Fuel Farm is located northwest of Building C-23, and north of Former Building C-29, as shown on Figure 2. The fuel farm was developed in the 1940s and was used by the US Army Air Corps during World War II and was later used by Alaska Airlines and Revolution Airlines for aviation fuel. At the time of an assessment completed in 1993, the fuel farm was operated by Flightline Services and used to supply aviation fuel for general aviation, military, and commercial aircraft (AGI 1993).

Records regarding the number, size, contents, and locations of USTs associated with the fuel farm are inconsistent. Based on a review of available records, the following USTs are or were present at the East Fuel Farm:

ID	Size (Gallons)	Contents	Status	Notes
93	25,000	Jet-A fuel	In place – temporarily abandoned in place in 1996	Upgraded in 1967 to store Jet-A fuel
95B	12,000	Aviation fuel	Removed in 1992	100 cubic yards of impacted soil removed at time of UST removal
Not Registered	Est. 12,000	Unknown	In place – identified during geophysical survey in 1994	
Not Registered	Est. 5,000-10,000	Unknown	Possible UST identified during geophysical survey in 1994	

As indicated above, up to three USTs remain in place at the former East Fuel Farm. The tanks are not currently in use, have reportedly had their contents removed, and been rinsed clean. Based on previous subsurface investigations completed at the former East Fuel Farm, as discussed in Section 5.3.2, subsurface contamination by petroleum hydrocarbons has been identified in this area.

2.4.6 Former Building C-27

Former Building C-27 was located southwest of the former East Fuel Farm area. The building was constructed in the 1950s and was used by All Fab for aerospace parts manufacturing. A 1952 aerial photograph shows a small area directly north of the building in the immediate vicinity of boring RISB-45 that appears to be used as an outdoor staging or storage area. All Fab went out of business in the late 1950s and Building C-27 was occupied by Castle Industries through 1965 and then by Evergreen until 1990. The building was categorized as surplus by the County and subsequently demolished.

2.5 Vulnerable Populations and Overburdened Communities

An evaluation of potential impacts to likely vulnerable populations and overburdened communities in the vicinity of the Site was conducted in accordance with Ecology's Implementation Memorandum No. 25 (Ecology 2024b). The purposes of this evaluation were to identify and reduce the impact of environmental and health disparities in Washington and improve the health of Washington residents, as well as support Ecology's decisions regarding site prioritization, cleanup decisions, and site hazard rankings. Landau has completed the assessment required by MTCA and Implementation Memorandum No. 25 and, as more fully discussed below, has determined that while the evaluated area does include a likely vulnerable population or overburdened community, the potential for the community near the Site to be exposed to Site contamination is low.

Implementation Memorandum No. 25 states that the potentially exposed population includes a likely vulnerable population or overburdened community if the population meets any of the following criteria:

- The potentially exposed population is located in a census tract that is at or above the 80th Washington State percentile of the Demographic Index from the US Environmental Protection Agency's (EPA's) Environmental Justice (EJ) Screening Tool, which was not available at the time this report was prepared due to the recent closure of the EPA's Office of Environmental Justice and External Civil Rights.

- The potentially exposed population is located in a census tract that is at or above the 80th Washington State percentile of the Supplemental Demographic Index from the EJ Screening Tool, which, as mentioned above, is not available.
- The potentially exposed population is located in a census tract that ranks a 9 or 10 on the Environmental Health Disparities Index from the Washington State Department of Health's (DOH's) Environmental Health Disparities Map (EHD Map).

All populations potentially threatened by the Site were evaluated. This includes all populations residing either on-Site or off-Site who are reasonably likely to be exposed to or potentially exposed to hazardous substances based on their land and resource uses at the Site [WAC 173-340-350(6)(h)(i)]. Because the EPA's EJ Screening Tool is no longer accessible, the evaluation was limited to only using the DOH's EHD Map (WSDOH; accessed February 23, 2026) to evaluate whether vulnerable populations are present in the vicinity of the Site. Using the EHD Map, the area within the census tract encompassing the Site (Census Tract 53061041901) was evaluated. This census tract, which includes an estimated 456 residents, is primarily occupied by Paine Field, and other aerospace-related industrial and commercial operations. Residential areas on the south and northwest corners of the tract are separated from the Paine Field operations and surrounding properties by Beverly Park Road (south) and Paine Field Boulevard (northwest).

The EHD Map combines 19 indicators of community and environmental health to create a cumulative rank that allows for comparison with other communities across Washington State. The indicators are ranked on a scale of 1 to 10 (with 1 defined as the least impacted and 10 as the most impacted) and are aggregated into the following four groups, which are also ranked on a scale of 1 to 10:

1. **Environmental Exposures**: Diesel exhaust $PM_{2.5}$[2] (fine particulate matter) emissions, ozone concentration, $PM_{2.5}$ concentration, proximity to heavy traffic roadways, and toxic releases from facilities.
2. **Environmental Effects**: Lead risk from housing, proximity to hazardous waste treatment storage and disposal facilities, proximity to National Priorities List facilities (Superfund Sites), and proximity to Risk Management Plan facilities.
3. **Socioeconomic Factors**: No high school diploma, people of color, population living in poverty, primary language other than English, transportation expense, unaffordable housing, and unemployed.
4. **Sensitive Populations**: Death from cardiovascular disease and low birth rate.

The rankings of the four groups are then aggregated into a final EHD ranking.

Appendix B provides the EHD Map for Census Tract 53061041901. This EHD Map indicates a final ranking of 9 (out of the highest ranking of 10). The EHD subgroup rankings are as follows:

- Environmental Exposures: 6
  - Diesel exhaust $PM_{2.5}$ emissions: 8
  - Ozone concentration: 3

[2] $PM_{2.5}$ = particulate matter with an aerodynamic diameter less than or equal to 2.5 microns

  - $PM_{2.5}$ concentration: 4
  - Proximity to heavy traffic roadways: 7
  - Toxic releases from facilities: 9
- Environmental Effects: 7
  - Lead risk from housing: 3
  - Proximity to hazardous waste facilities: 10
  - Proximity to risk management plan facilities: 5
  - Proximity to Superfund Sites: 2
  - Waste discharge: 7
- Socioeconomic Factors: 9
  - No high school diploma: 8
  - People of color: 8
  - Population living in poverty: 8
  - Primary language other than English: 10
  - Transportation expense: 3
  - Unaffordable housing: 10
  - Unemployment: 7
- Sensitive Populations: 8
  - Death from cardiovascular disease: 7
  - Low birth weight: 3

In summary, a potentially exposed population in Census Tract 53061041901 does include a likely vulnerable population or overburdened community based on the EHD Map ranking of 9 (Ecology 2024b), and therefore an environmental and/or health disparity was identified for the Site.

2.6 Climate Change

In accordance with WAC 173-340-350(6)(f), current and projected local and regional climatological characteristics were evaluated to determine whether these characteristics could affect contaminant migration at the Site or the resilience of potential remedial actions at the Site. According to Ecology's Sustainable Remediation: Climate Change Resiliency and Green Remediation (Ecology Climate Guidance), dated November 2017 and revised in January 2023 (Ecology 2023), sea-level rise, flooding, extreme precipitation, wildfires, landslides, erosion, and drought are the climate-related impacts that generally pose the highest potential risk for upland cleanup sites.

Based on this evaluation, current and projected local and regional climatological changes are not likely to have effects on the migration of hazardous substances or the resilience of potential remedial actions at the Site. A summary of this evaluation is provided in the following subsections.

2.6.1 Sea-Level Rise

The Site is located at an elevation of approximately 600 ft above mean sea level and is not located within a tidally influenced area. In addition, there are no adjacent surface water bodies. The closest tidally influenced area is Possession Sound, approximately 2.4 miles west of the Site.

According to the Ecology Climate Guidance (Ecology 2023), a high-projection estimate of up to 4 ft of sea-level rise could occur worldwide by the year 2100. Based on University of Washington probabilistic estimates of sea-level rise in Possession Sound west of the Site (Lavin et al. 2020), sea level is projected to rise relative to projected land-level changes from 1 ft (90 percent probability) to 2.9 ft (10 percent probability) in the low greenhouse gas scenario and from 1.4 ft (90 percent probability) to 3.5 ft (10 percent probability) in the high greenhouse gas scenario by the year 2100 (see Appendix B). Sea-level rises at both the lower and higher end of these projections would not flood the Site and while deep aquifer groundwater levels may rise beneath the Site, any remaining soil contamination in the perched groundwater vadose zone would not be impacted, and contaminant migration due to sea-level rise is not likely.

2.6.2 Flooding

A Federal Emergency Management Agency (FEMA) flood map for the area surrounding the Site and the Washington State Department of Natural Resources (WDNR) tsunami planning website were reviewed to summarize the documented flood risks for the Site. The FEMA flood map (effective in 2017) indicates that the Site is located in an area of minimal flood hazard (see map in Appendix B). Finally, the WDNR tsunami planning website indicates that the Site is not in a tsunami hazard area (WDNR; accessed February 19, 2026). With the projected sea-level rise, the chances for flooding of the area around the Site are low and should not impact the resilience of the remedial action at the Site.

2.6.3 Wildfires

The Ecology Climate Guidance indicates that increased risk of wildfires is a potential climate-related hazard in areas proximate to fuel sources such as forests or grasslands (Ecology 2023). Due to the location of the Site in a developed area of Everett that is surrounded by industrial buildings to the west and south, and Paine Field runways and aprons to the east and north, minimal fuel sources for wildfires are present in the area and Paine Field maintains its own 24/7 fire department. As such, the risk of wildfires affecting the Site is low (USDA; accessed February 23, 2026).

2.6.4 Landslides and Erosion

The Site is located in a flat, plateaued industrial area of Everett, with minimal exposed ground surface that could create a landslide or erosion hazard. Due to local topography and that anticipated future remedial activities will occur below paved surfaces, the risk of landslides and erosion is low.

2.6.5 Drought

The Ecology Climate Guidance indicates that cleanup sites vulnerable to drought include groundwater sites vulnerable to a lowered water table, sediment sites in drought-prone waterbodies, and mines and landfills reliant on rain to maintain vegetative cover for slope stability (Ecology 2023). Because the shallow groundwater present at the Site is not considered potable due to lack of quantity (see discussion in Section 3.3), the deep aquifer (approximately 130 ft below ground surface [bgs]) is the primary consideration for drought conditions. However, given the depth of the deep aquifer, it is unlikely that the aquifer would be directly impacted by drought conditions because it is a regional aquifer, as

opposed to a local, more vulnerable and limited aquifer. The remaining drought concern regarding mines and landfills is not applicable to the Site. For these reasons, drought is not considered to be a potential climate-related impact for the Site.

3.0 SITE GEOLOGY AND HYDROGEOLOGY

3.1 Geology

The Puget Sound region is underlain by Quaternary sediments deposited by numerous glacial episodes, the most recent of which is termed the Vashon Stade of the Fraser Glaciation. Deposition occurred during a number of glacial advances and retreats. The last cycle of glacial advance and retreat resulted in the present-day topographic expression of the area, many of the near-surface deposits, and existing subsurface conditions (Booth et al. 2004a). The glacial sediments, in general order from most shallow to deepest, are made up of interlayered and sequential deposits of glaciomarine drift, glacial recessional outwash, glacial till, and glacial advance outwash. The glacial till and underlying units have been overconsolidated due to the weight of the overriding ice sheets. In some areas of the Puget Sound region (though not at the Site), these glacial sediments are overlain with more recent, non-glacial deposits locally consisting of beach sands and gravels; alluvial silt, sands, and gravels; and/or lake clays, silts, and peat that were deposited following the glacial retreats (Booth et al. 2004b).

Previous investigations conducted at the Site and adjacent properties encountered fill material to depths between 0 and 20 ft bgs. The fill is underlain by Vashon till, which is composed of a very dense, heterogeneous mixture of gravel, sand, silt, and clay, with localized sand lenses. This till was moved around and used across the Site during historical grading activities. The till at the Site is a maximum of approximately 80 ft thick and is underlain by Vashon advance outwash, which is a gray, fine to medium sand with gravel that begins at approximately 100 ft bgs and then transitions to a fine to medium sand to approximately 145 ft bgs, where the sand becomes gravelly (CDM 2000a). Figures 3a through 3e provide geologic profiles of the geologic units encountered. Geologic profile alignments are provided on Figure 3.

3.2 Hydrogeology

Based on the results of investigations at the Site, perched groundwater occurs sporadically across the Site within fill material (1.5 to 15.5 ft bgs) and on top of and within the upper portion of the Vashon till (15.5 to 35 ft bgs). Site investigations (Landau 2018a) have shown that the perched groundwater encountered historically may not be present during the dry months of the year in certain areas of the Site, thus the perched water is considered seasonal. In addition, the perched groundwater is not continuous across the Site, and its occurrence is likely affected by localized depressions on the surface of the till and in sand lenses within the till. The irregularity (“lumpiness”) of the till surface can be observed in the site-wide cross sections (Figures 3a through 3e).

Because of the discontinuous nature of the perched groundwater in both time and space, the direction of groundwater flow in the perched groundwater zone is variable and not well defined. Two figures, Figures 4 and 5, are presented that illustrate these characteristics of the perched groundwater. Figure 4 shows that perched groundwater was not encountered over a large area, mainly the central portion of the Site, in borings that were completed during the dry period of the year (generally June through September). The figure further illustrates that perched groundwater is more likely to be encountered in

areas where the elevation of the underlying till surface is depressed (i.e. low) relative to the surrounding till surface creating a structural low for water to accumulate where the till is sufficiently impermeable to inhibit infiltration.

Figure 5 shows perched groundwater elevation contours where groundwater elevation data could be collected from shallow monitoring wells at the Site. In the area of Building C-19 and Buildings C-20, 21, and 22, perched groundwater flows to the east-southeast. South of the former East Fuel Farm, perched groundwater appears to be flowing radially inward toward a hydraulic low point centered at monitoring well MW1, which is located adjacent to decommissioned deep monitoring well DW2 and replacement deep well RIDW-8. Three possible explanations/scenarios for this flow pattern were explored. The first considered the possibility that a buried utility line (storm or sanitary sewer pipe) traversing the area could be acting as a drain and discharging perched groundwater offsite. However, no such utilities were found on Site utility maps at this location. The second scenario considered the possibility that DW2 or RIDW-8 could be acting as a drain and discharging perched groundwater to the deep aquifer. If this were the case, it would be expected that changes in the perched groundwater elevation contours would have been observed when comparing perched groundwater elevation contours to measurements made before and after the decommissioning of DW2 in June 2024. However, the groundwater elevation contour maps have remained relatively consistent over this period, and therefore the observed flow pattern is not likely related to DW2 or RIDW-8.

The third scenario considered whether the soil in the perched groundwater zone around MW1 was more permeable than in the area surrounding MW1. In comparing boring logs for MW1, MW2, MW3 and MW4, it was noted that MW1 is screened predominantly in gravelly sand whereas the other three wells are screened predominantly in silty sand. If these more permeable soils around MW1 are hydraulically connected to other more free draining soils within the till, then the area around MW1 could act as a groundwater sink and produce the observed inward hydraulic gradients. While this scenario cannot currently be confirmed, of the three scenarios considered, the third scenario provides the most plausible explanation of the observed gradients.

The discontinuous nature of the perched groundwater is further illustrated in the cross sections shown on Figures 3a through 3e, which show the highly variable occurrence of soils classified as either wet or saturated within the perched groundwater (blue symbols) and the frequent occurrence of borings where no wet or saturated soils were encountered during drilling. A review of boring logs for the 94 shallow borings completed at the Site since March 27, 2019 where collection of a groundwater sample was planned if sufficient water was available in the boring indicates that 22 of the borings did not yield sufficient water to allow a groundwater sample to be collected. Additional evidence for characterizing the perched groundwater as discontinuous and sporadic in time and space is provided in Table 1, which shows groundwater elevations measured in permanent monitoring wells located across the Site in both the perched groundwater and the deep aquifer from October 2018 to November 2024. Permanent groundwater monitoring well locations are shown on Figure 6. As shown in the table, groundwater elevations in monitoring wells completed within the perched groundwater vary considerably, up to 4.05 ft, between the wetter winter months and the drier summer months (e.g., monitoring wells C29-MW1, and MW3). The table also shows that of the 20 monitoring wells completed in the perched

groundwater, five of those wells are either classified as “Dry” (RIGW-1) or went dry (RIGW-55) during low-flow (less than 0.25 gallons per minute) sampling and therefore require extended time to recharge prior to sample collection.

The bottom of the Vashon till was found to range from 65 to 92 ft bgs at which point the Vashon advance outwash was encountered. A continuous groundwater aquifer, referred to herein as “the deep aquifer,” was encountered in the Vashon advance outwash at a depth of approximately 130 ft bgs. Groundwater flow in the deep aquifer was observed to be to the north to northeast by Camp Dresser & McKee Inc. (CDM; CDM 2000a, 2005) and by Landau (2019) during more recent investigations. Groundwater elevation contour maps of the deep aquifer are provided on Figures 7a through 7d.

Due to the fine-grained nature of the glacial till underlying the fill, it may be acting as an aquitard across portions of the Site. Over several phases of the project, grain-size sieve analyses have been conducted in soil sampled from the fill, till, and advance outwash units. The sieve analysis data were subsequently used to calculate the hydraulic conductivity of the various units via a commercially available spreadsheet-based software called HydroGeoSieve (Devlin 2015). This spreadsheet contains Visual Basic for Application (VBA) programing language code to assist with the processing of grain size curves to estimate hydraulic conductivity using 15 different methods, including those of Hazen, Terzaghi, and Kozeny-Carmen (Appendix C).

The raw grain size sieve and corresponding total sample weights were entered into HydroGeoSieve. A smoothing feature was used to interpolate between points to make effective grain size determinations. The uniformity coefficient and an estimate of the porosity were calculated from the effective grain size values and then used in the 15 hydraulic conductivity equations. If the grain size curve met the criteria summarized for each test in the “Equations” sheet (Appendix C), the equation was used to calculate a geometric and arithmetic mean of the acceptable hydraulic conductivity values.

The calculated geometric mean of the hydraulic conductivities of the till, fill, and advance outwash is presented in Table 2. The calculated geometric mean of the hydraulic conductivity values of the till is 7.11E-05 cm/sec. This hydraulic conductivity is within the range of clays and silts and indicates that the glacial till likely acts as an effective aquitard (Fetter 1980) limiting vertical migration of groundwater and contaminants through the till. The hydraulic conductivity of the fill is higher at 2.17E-04 cm/sec, while the hydraulic conductivity of the Esperance Sands, which contain the deep aquifer, is the highest at the Site at 1.05E-03 cm/sec.

The percentage of total organic carbon (TOC) was also analyzed within soil samples collected from within the Vashon till, Vashon advance outwash, and fill units. Data on TOC in soil will potentially be used in the FS for calculating contaminant retardation coefficients, a dimensionless number showing how much slower a pollutant moves through soil/groundwater relative to the water itself, due to temporary sticking (sorption) to soil particles, with higher R values meaning slower movement and greater retention. Table 3 provides the TOC values measured across the Site. The average TOC percentages within the fill, Vashon till, and Vashon advance outwash were 0.11, 0.13 and 0.05, respectively, as shown in Table 1.

3.3 Perched Groundwater Potability Evaluation

Based on the discontinuous nature and limited yield of the perched groundwater as well as the low hydraulic conductivity of the fill and till units, an evaluation was conducted to determine if the perched groundwater at the Site meets the definition of potable groundwater, as defined in WAC 173-340-720(2). A determination of nonpotability could impact the selection of cleanup levels for the Site (see Section 4.0) and potentially future cleanup actions (to be addressed in the FS). The above-cited regulation states that groundwater is not classified as potable if *"the groundwater is present in insufficient quantity to yield greater than 0.5 gallon per minute on a sustainable basis to a well constructed in compliance with chapter 173-160 WAC and in accordance with normal domestic water well construction practices for the area in which the site is located."*

The evaluation consisted of calculating an average well yield for the Site based on a well yield equation, commonly used within the groundwater industry, and on Site hydrogeologic properties. The equation, shown below, is referred to as the Dupuit-Thiem equilibrium equation for an unconfined aquifer, and is adapted from Driscoll (1986). The calculated average site-wide well yield was then compared to the 0.5-gallon-per-minute (gpm) criterion to determine if the perched groundwater meets the MTCA definition of potable groundwater.

$$Q = \frac{\pi K(H^2 - h_w^2)}{\ln(\frac{R}{r_w})}$$

Where

Q = Well yield or pumping rate (m^3/sec or ft^3/sec)

K = Hydraulic conductivity (m/sec or ft/sec)

H = Saturated thickness of the unconfined aquifer before pumping (m or ft)

h_w = Saturated thickness inside the pumping well during pumping (m or ft)

R = Radius of influence where drawdown decreases to zero (m or ft)

r_w = Radius of the pumping well (m or ft).

Application of the equation consisted of calculating a well yield for each boring and well that appears on the five cross sections presented on Figures 3a through 3e (a total of 35 wells/borings were used in the evaluation; wells/borings that appeared on two or more sections were used in only a single well yield calculation). A separate well yield was calculated for the fill and till units for each boring/well, and then the two well yields were added to derive a total well yield for each boring/well. The mean of the boring/well yields across the five sections was then calculated to obtain an average site-wide well yield. For additional conservatism to calculate a higher well yield, boring/wells with a combined calculated

well yield of 0 gpm (due to no water being present in the well/boring; i.e., H=0) were not included in the calculation of average site-wide well yield.

Values of K for the fill and till units were obtained from the hydraulic conductivity values presented in Section 3.2, which were based on grain size distribution testing of 21 till and two fill soil samples from across the Site. The saturated thickness of the perched groundwater before pumping, H, was measured off the blue wet/saturated symbols on the cross sections for each boring/well. The saturated thickness inside the pumping well during pumping, h_w, was set equal to $^1/_3$ of H, consistent with common well pumping practices. The radius of influence where drawdown decreases to zero (i.e., where water is continuously replenished to maintain zero drawdown) was set very conservatively to 5 ft to produce a conservative (high) value of Q. In all likelihood, R would most likely be much greater than 5 ft, which would reduce the calculated value of Q. The radius of the pumping well was set equal to 0.25 ft or 3 inches, consistent with a typical pumping well with casing diameter of 6 inches. Calculations were performed within a Microsoft® Excel spreadsheet (Table 4).

The results of the evaluation are presented in Table 4 and, as shown, the average site-wide well yield was calculated to be 0.15 gpm. This well yield is less than the 0.5 gpm MTCA criterion cited above, indicating that the perched groundwater does not meet the definition of potable groundwater. In all likelihood, the calculated well yield overestimates the actual well yield when applied to real-world scenarios due to several idealized assumptions inherent in the Dupuit-Thiem equilibrium equation. These assumptions include the following:

- The equation assumes that groundwater flow is strictly horizontal and that the hydraulic gradient is equal to the slope of the water table. In reality the water table drops sharply, especially near the pumping well, creating a steep, curved cone of depression. Ignoring this vertical velocity component underrepresents the actual resistance to flow, leading to a calculated yield that is too high.
- The equation assumes a 100 percent efficient pumping well, that is the water level inside the pumping well casing is the same as the water level immediately outside the borehole. In reality, pumping wells exhibit well loss due to friction as water passes through the gravel pack and well screen, alongside turbulent flow inside the casing. This creates a seepage face where the water table outside the well is significantly higher than the water level inside the well, making the true driving gradient lower than the equation assumes.
- The equation assumes the system has reached a complete equilibrium where the radius of influence (R) is fixed and water is continuously replenished at the boundaries. This is rarely the case, especially in subsurface conditions like those at the Site where much of the perched groundwater is present in isolated, disconnected saturated zones, which tend to dewater after sustained pumping due to lack of recharge.

In addition, as stated above, the MTCA regulation states that the pumping well must be constructed in compliance with Chapter 173-160 WAC and in accordance with normal domestic water well construction practices for the area in which the site is located. Chapter 173-160-231 states that all water wells

constructed shall have a surface seal of at least 18 ft in length.[3] As shown on the Site cross sections (Figures 3a through 3e), the thickness of the fill unit over most of the Site is less than 18 ft. This requirement would essentially prevent or significantly limit perched groundwater in the fill unit from entering the pumping well. If the contribution to the calculated site-wide well yield from the fill unit was eliminated and only the till was used, the new calculated site-wide well yield would be 0.055 gpm, as shown in Table 4, approximately one order of magnitude below the 0.5 gpm MTCA criterion.

Based on the above, in the unlikely event that a domestic water supply well were to be developed at the Site, it is highly likely that the well would be drilled an additional 100 ft into the deep aquifer, where much higher groundwater yields can be found.

[3] Surface seals less than 18 ft are allowed for driven and jetted wells; however, use of a driven or jetted well is not considered a normal domestic water well construction practice.

4.0 PRELIMINARY CLEANUP LEVELS AND SOIL GAS/INDOOR AIR AND PFAS SCREENING LEVELS

One of the first steps under MTCA for establishing cleanup requirements for individual sites is to develop cleanup levels for the site. Cleanup levels determine at what level a particular hazardous substance does not threaten human health or the environment. At this RI stage of the cleanup process, cleanup levels are typically referred to as preliminary cleanup levels (pCULs), as the final Site cleanup levels will be established in the cleanup action plan for the Site.

The AO RI/FS work plan (Appendix A) includes a section on the development of Site screening levels (SLs) for soil, groundwater, and soil gas (see Section 5 of the AO RI/FS work plan). These SLs were based on the most conservative regulatory criteria (typically, MTCA Method B unrestricted land-use values) available in Ecology's Cleanup Levels and Risk Calculations (CLARC) database (Ecology; accessed October 8, 2025) to provide a conservative evaluation of constituents for initial screening of data. These SLs were used to evaluate data generated during the initial phases of the AO RI and are provided in Section 5 of the AO RI/FS work plan (Appendix A).

The first step in developing the pCULs presented in this report was to eliminate from further consideration those constituents listed in the AO RI/FS work plan that were either undetected or detected at concentrations below the SLs developed in the AO RI/FS work plan. This step reduced the number of constituents needing soil pCUL development from 56 to 15 and the number of constituents needing groundwater pCUL development from 63 to 22. The constituents remaining after this initial screening are referred to herein as constituents of concern (COC). The remaining steps for pCUL development are discussed separately below for soil and groundwater.

This report also presents proposed SLs for soil gas and perfluoroalkyl and polyfluoroalkyl substances (PFAS) at the Site. The term SLs is used for soil gas, because cleanup levels have not been promulgated for soil gas. The term SLs rather than pCULs is being used for PFAS because these compounds are being addressed as part of a separate site by the County.

4.1 Preliminary Cleanup Levels for Soil

The development of pCULs for soil is outlined in Table 5, which, similar to the development of site SLs in the AO RI/FS work plan, considered the following MTCA-based criteria:

- Concentrations established under applicable state and federal laws
- Concentrations protective of human health:
  - Concentrations that, due to direct contact with contaminated soil, are estimated to result in no acute or chronic non-carcinogenic or carcinogenic toxic effects on human health
  - Concentrations that will not cause contamination of groundwater at levels that exceed groundwater cleanup levels (CULs).

In addition to accounting for human health impacts, MTCA-based CULs must account for any potential terrestrial or aquatic ecological impacts. As described in Section 7 of this report, a simplified terrestrial

ecological evaluation (TEE) was conducted to determine if the Site poses a substantial threat of significant adverse effects to terrestrial ecological receptors and, if so, whether a need exists to consider ecological receptors in the development of the pCULs. As discussed in Section 7, no such threat was identified for the Site and no further evaluation of pCULs based on protection of ecological receptors is necessary.

Because the Site meets the definition of an industrial property as promulgated in WAC 173-340-200 and WAC 173-340-745(1)(a)(i), MTCA Method C CULs are provided along with CULs based on MTCA Method B for unrestricted land use for comparison purposes. Except for total petroleum hydrocarbons (TPH), standard MTCA Method B and Method C soil CULs protective of groundwater or direct human contact were determined to be in accordance with WAC 173-340-740(3) and WAC 173-340-745 using Ecology's CLARC database (Ecology; accessed October 8, 2025). MTCA Method A soil CULs for unrestricted land uses were used for TPH because there are no Method B or C values for these constituents published in CLARC.

The recommended pCUL for each COC is shown in the last column of Table 5. As footnoted in the table, the pCUL is based on the lowest of the values shown in the table for each COC except that the value shown for "Protection of Groundwater Saturated" was not considered for the following reasons. First, the perched groundwater at the Site is not a current source of drinking water and the groundwater does not meet the definition of potable groundwater, as defined in WAC 173-340-720(2) and as described in Section 3.3. Soil pCULs developed for the Site that are based on protection of groundwater as drinking water should therefore be focused on protecting groundwater in the deep aquifer. As such, impacted soil at the Site is not considered to be located at or below the groundwater table (the saturated zone), as described in WAC 173-340-747(4)(e), and therefore the "Protection of Groundwater Saturated" CUL values are not applicable.

Second, the primary difference between the CULs for protection of groundwater saturated and protection of groundwater vadose in CLARC is due to the large dilution factor used in MTCA Equation 747-1 for calculating the vadose CUL protective of groundwater value (20) versus the dilution factor used for calculating the saturated CUL protective of groundwater value (1). Given that up to 80 ft of low-permeability till separates the impacted soil at the Site from the deep aquifer groundwater (see Section 3), infiltration from the perched groundwater to the deep aquifer would be limited thus justifying the use of the higher default dilution factor associated with the vadose CUL.

4.2 Preliminary Cleanup Levels for Groundwater

The development of pCULs for groundwater is outlined in Table 6, which, similar to the development of Site screening levels in the AO RI/FS work plan, considers the following MTCA-based criteria:[4]

- Concentrations established under applicable state and federal laws

[4] Contaminant concentrations must also be protective of surface water beneficial uses if impacted groundwater will reach surface water; however, no surface water features are located near the Site.

- Concentrations protective of human health determined using MTCA Equations 720-1 or 720-2, if sufficiently protective health-based criteria have not been established under applicable state and federal laws.

The pCUL criteria provided in Table 6 are derived from values in the CLARC database (Ecology; accessed October 8, 2025) and consist of maximum contaminant levels (MCLs) established under applicable state or federal laws and MTCA Method B CULs established using MTCA Equations 720-1 or 720-2. For those constituents that have an assigned MCL, the initial pCUL values shown in Table 6 (see column labeled "Preliminary Cleanup Levels (Before Adjustment for PQL [Practical Quantitation Limit] and Background)") are equal to the MCL provided the MCL is protective to a maximum carcinogenic risk of $1x10^{-5}$ and a hazard index of less than or equal to 1, as allowed under MTCA [WAC 173-340-720(4)(b)]. For those COCs with an assigned MCL that is not protective to a maximum carcinogenic risk of $1x10^{-5}$, the pCUL was adjusted downward from the MCL until the pCUL resulted in a carcinogenic risk of $1x10^{-5}$.

These initial pCUL values were then adjusted, if applicable, based on laboratory PQL and background concentrations. This adjustment resulted in changing only the pCUL of arsenic, which was set at the Snohomish County background concentration of 13.6 micrograms per liter (µg/L; San Juan 2022).

Finally, MTCA requires that the combined (i.e., additive) risk of chemical mixtures be considered when developing cleanup standards [WAC 173-340-720(7)(a)]. This total Site risk evaluation was completed on the entire list of groundwater COCs (sometimes referred to as "contaminants of potential concern"). For COCs exhibiting carcinogenic risks, the cancer risk was apportioned between COCs such that the total cancer risk between all COCs did not exceed 1 in 100,000 (i.e., $1x10^{-5}$). Note that MTCA does not specify how this risk is apportioned between COCs, only that the total cancer risk between all COCs does not exceed $1x10^{-5}$. This step resulted in the adjustment of the pCULs for benzene; 1,2-dichloroethene (1,2-DCE); 1,2-dichloropropane; 1,1,2-trichloroethane (1,1,2-TCA); trichloroethene (TCE); and vinyl chloride (VC). The pCULs (after adjustment for additive cancer risk) were then evaluated and further adjusted, if needed, to result in a combined hazard index of less than 1. This step resulted in the downward adjustment of the pCUL for cadmium, cis-1,2-dichloroethene (cis-1,2-DCE), and trans-1,2-dichloroethene (trans-1,2-DCE) to result in a combined hazard index of less than 1. The additive risk evaluation and resulting pCUL adjustments are provided in Table 7. The final recommended groundwater pCULs for the Site are shown in the second to last column of Table 7 and in the last column of Table 6.

It is noted that the appropriateness of the above-described method for addressing additive risk may be reassessed during the FS and cleanup phases of the project to address the fact that exposure to all COCs at one location is unlikely at the Site and, as a result, the pCULs may be overly conservative (low). This reassessment may take the form of developing remediation levels on an area-by-area basis if supported by data suggesting that only a small number of COCs are present in a given area or remain in a given area following remedy implementation.

It is further noted that the recommended groundwater pCUL for TCE (2.3 µg/L) is slightly higher than the CLARC groundwater SL shown in Table 6 for protection of the vapor intrusion pathway (1.4 µg/L). The

recommended pCUL was not adjusted downward to the vapor intrusion SL value for several reasons. First, the groundwater protective of the vapor intrusion pathway criterion is an SL and not a promulgated cleanup standard. Second, rigorous indoor air assessment activities conducted at the Site in 2017 in the Building C-23 Annex and in 2021 in Building C-19 did not detect volatile organic compound (VOC) concentrations, including TCE, above applicable chronic or acute screening criteria for commercial workers.[5] Both of these buildings are/were located over groundwater plumes with TCE concentrations much higher than the SLs shown in Table 6 indicating that the SLs are overly conservative for conditions at the Site. Third, concerns regarding the soil gas to indoor air pathway for future Site development will be managed during the development and evaluation of cleanup alternatives during the FS phase of the project, which will consider the need for establishing environmental covenants requiring the installation of vapor mitigation systems beneath future Site buildings.

4.3 Soil Gas/Indoor Air and PFAS Screening Levels

Analytical results for soil gas and PFAS in groundwater will be compared to SLs instead of pCULs. SLs for soil gas and PFAS are provided in Tables 8 and 9, respectively.

For soil gas, the CLARC database provides SLs for MTCA Method B, Method C, and commercial workers. Because the current Site use is light industrial, the commercial worker values for cancer risk provided in CLARC will be used for comparison to soil gas sampling results in this report.

SLs for the 10 PFAS compounds listed in the CLARC database are based on protection of groundwater and categorized as MTCA Method B cancer or non-cancer CULs, or Washington State Action Levels, which are protective of groundwater for use as drinking water. Because PFAS will be investigated as part of a future Paine Field-wide agreed order, no significant evaluation of the PFAS groundwater sampling results is included in this report. Therefore, the SLs shown in Table 9 are only for reference, if needed.

[5] The results of the 2017 Building C-23 Annex investigation are described in Section 3.2.4 of the September 19, 2018 draft RI/FS work plan (Landau 2018b). The results of the 2021 Building C-19 investigation are described in a December 15, 2021 letter report from Landau Associates to Paine Field (Landau 2021).

5.0 PRE-AGREED ORDER INVESTIGATIONS AND CLEANUP ACTIONS

Prior to the AO, various environmental investigations and cleanup actions were conducted at the Site to characterize and evaluate the chemical quality and physical condition of soil, groundwater, and soil gas, or to address specific releases. This section describes the environmental investigations and remedial actions that have been conducted at the Site prior to the preparation of the AO RI/FS work plan. The reader is referred to previous investigation reports referenced herein for more detailed descriptions of these investigations and remedial actions.

Cumulative pre-AO and AO RI analytical data generated during these investigations and remedial actions are provided in Tables 10 through 24. For brevity, these tables show data results only for constituents that were found to be present within a given investigation area and medium at concentrations above analytical laboratory detection limits. A complete listing of all constituents that were tested for at the Site, including constituents that were not detected at concentrations above analytical detection limits, is available in Ecology's Environmental Information Management database (Ecology; accessed February 23, 2026).

Laboratory analytical reports obtained by Landau for pre-AO and AO RIs conducted at the Site are available at the Site webpage: https://apps.ecology.wa.gov/cleanupsearch/site/12071. To access the laboratory reports for the Site, click on the Documents section under "Site Details" on the left of the page. Laboratory reports are listed as "Pre-AO Laboratory Reports" and "AO Laboratory Reports". A table cross-referencing sample identification numbers to the corresponding laboratory report (referred to as "Laboratory SDG" [i.e., Sample Delivery Group] in the table) is presented in Appendix D to facilitate locating the proper laboratory report.

Cumulative exploration locations for each investigation area are shown on Figures 8a, 9a, 10a, 11a, and 14. Analytical RI results for the main Site COCs are shown by investigation area on Figures 8b, 9b, 10b, and 11b-1 and 11b-2 (TPH and benzene in soil); 8c, 9c, 10c, and 11c-1 and 11c-2 (VOCs in soil); 8d, 9d, 10d, and 11d (metals in soil); 8e, 9e, 10e, and 11e-1 and 11e-2 (TPH and benzene in groundwater); 8f, 9f, 10f, and 11f-1 and 11f-2 (VOCs in groundwater); 8g, 9g, 10g, and 11g (dissolved metals in groundwater); and 8h, 9h, 10h, and 11h (VOCs in soil gas). Figure 12 shows the Site-wide extent of TCE in shallow groundwater. Figure 13 shows the AO RI Site-wide TCE concentrations in soil gas and TCE concentration contours in groundwater. Figure 15 shows VOC concentrations in deep aquifer groundwater. Figure 16 shows Site-wide 1,4-dioxane concentrations in both the perched water zone and the deep aquifer. Figure 17 shows the analytical results for perfluorooctane sulfonic acid (PFOS) and perfluorooctanoic acid (PFOA) concentrations in groundwater. VOC concentrations in soil and groundwater are also shown on the cross sections presented on Figures 3a through 3e.

The investigations described in the following Section 5 subsections were completed between 1992 and 2023. Data from investigations completed prior to 2018 (i.e., pre-RI) are discussed in terms of MTCA CULs in effect at the time of the investigation as documented in the report prepared at the conclusion of the investigation. Data from previous investigations completed between 2018 and 2022 are compared

to screening levels in the 2018 draft RI/FS work plan (Landau 2018b), which in most cases are the same screening levels included in the 2024 AO RI/FS work plan, except where there were updates to CLARC values to specific contaminants during the 6-year time period. In all cases, Section 5 summarizes the information and conclusions included in the reports prepared for each investigation and does not evaluate the historical data relative to the pCULs developed in this report in Section 4. However, all Site data are evaluated relative to pCULs or SLs developed in this report on the figures and in the tables included in this report. In addition, the Conceptual Site Model presented in Section 8 of this report is discussed relative to exceedances of the pCULs.

5.1 Building C-19

This section includes relevant findings from Phase I environmental site assessments (ESAs) and other investigations at Building C-19. Previous investigations at Building C-19 have focused primarily on a former degreaser located at the south end of the building. The degreaser, a 1,1,1-trichloroethane (1,1,1-TCA) storage tank, and a chiller were removed from the building in 1993 (Landau 1993). In addition, the building owner conducted an investigation and cleanup of petroleum-contaminated soil resulting from releases of cutting oil from machinery located in the manufacturing area of the building. Paine Field has also conducted a series of remedial investigations in and around Building C-19. Additional details are provided in the following subsections, and previous sampling locations are shown on Figure 8a.

5.1.1 1993 Phase I Environmental Site Assessment

A Phase I ESA was completed at Buildings C-19, C-20, C-21, C-22, C-23, and C-29 by Landau on behalf of Snohomish County in 1993. Building C-19 was occupied by All Fab at the time of the assessment. Relevant findings from the Phase I ESA report for Building C-19 are as follows (Landau 1993):

- Manufacturing operation areas at Building C-19 included a metal fabricating area, a sandblasting room, a former 1,1,1-TCA storage tank, dip tank (degreaser) and chiller area, oil drum storage areas and a sump, an acid dip tank room, and waste metal storage bins.
- Water-soluble cutting fluids were used throughout the manufacturing areas of the building. The site representative reported that chlorinated cutting fluids had been used in the past.
- A former degreaser pit was identified at the southern corner of the building. The pit was described as a 15-ft-wide by 40-ft-long by 8-ft-deep concrete-lined vault. A sump was located in the southeast corner of the vault and was used to collect spilled 1,1,1-TCA and groundwater that reportedly seeped into the sump. The sump was pumped as needed and the liquid was stored in drums prior to transport off site for disposal. The 1,1,1-TCA tank was reportedly situated on a concrete pad outside the building. A representative of All Fab reported that TCE and possibly other chlorinated solvents were used in the past.
- Severe oil staining was observed in the area of a waste oil drum on the southeast side of the building. The drum was used to collect oil drippings from scrap metal prior to placing the metal in an adjacent roll-off bin.

The Phase I ESA concluded that there were potential discharges of 1,1,1-TCA and other solvents from the vapor degreaser to the local stormwater sewer system, and soil and groundwater. In addition, the

Phase I ESA concluded that there was potential for cutting fluids, including chlorinated cutting fluids, to penetrate the concrete floor of the building resulting in impacts to soil and groundwater.

5.1.2 Degreaser Sump Area

In 1994, on behalf of Paine Field, Landau conducted a preliminary investigation of the vapor degreaser pit and sump in the southern corner of Building C-19 by excavating two test pits below the base of the concrete floor of the vapor degreaser pit (identified as C19-TP1 and C19-TP2 on Figure 8a). TCE was detected at concentrations above MTCA Method A CULs in effect at that time in soil and TCE; 1,1,1-TCA; 1,1-dichloroethane (1,1-DCA); and VC were detected at concentrations above MTCA Method A or B CULs in shallow groundwater. Additional VOCs were detected at concentrations below applicable CULs. Soil samples were collected at a maximum depth of 1.8 ft below the top of the concrete floor of the sump, and water samples were collected from perched water that accumulated in the test pits over several hours by seeping through the sides of the test pits and into the degreaser sump through weep holes in the concrete walls (Landau 1994).

In 1995, Landau conducted additional sampling and analysis in and around the degreaser sump, on behalf of the building owner, Jack Giddens. Prior to sampling, the concrete floor of the sump and approximately 1 ft of underlying soil had been removed. Thirteen soil samples were collected from approximately 0.5, 1, and 2.5 ft below the base of the former sump floor and from approximately 0.5, 1, and 2 ft laterally beyond the former sump walls. Three water samples were collected from water seeping into the holes dug for collection of soil samples. The samples are identified by the prefix SU or SU2 on Figure 8a. TCE and VC were detected at concentrations above MTCA Method A or B CULs in soil. TCE; 1,1-dichloroethene (1,1-DCE); and cis-1,2-DCE were detected at concentrations above MTCA Method A or B CULs in water (Landau 1995).

In 1999, on behalf of the Snohomish County Public Works Department, environmental consulting firm AGI Technologies (AGI) conducted a preliminary contamination assessment at Buildings C-19 and C-29 (see Section 5.3 for discussion of previous investigations at Building C-29). AGI identified and collected groundwater samples from three monitoring wells near Building C-19 that were installed by the Snohomish County Public Works Department in 1996 (SCPWD-2 through -4). Well depths ranged from 18 to 29.3 ft bgs and depths to groundwater during sampling ranged from 2.47 ft bgs to 6.8 ft bgs. TCE was detected in groundwater at a maximum concentration of 140,000 µg/L and detected concentrations exceeded the MTCA Method A CUL (5 µg/L) in water samples from all three wells. The concentration of tetrachloroethene exceeded the MTCA Method A CUL (5 µg/L) in water from SCPWD-3, and VC concentrations exceeded the MTCA Method A CUL (0.2 µg/L) in water from SCPWD-2 and 3 (AGI 1999).

CDM conducted a deep aquifer investigation in 2000 (discussed in more detail in Section 5.4), during which monitoring well DW1 was installed south of Building C-19. Aquifer groundwater was encountered at approximately 133 ft bgs and sampling and analysis from DW1 indicated that chlorinated VOCs had reached the deep aquifer (CDM 2000a).

In 2005, CDM reported the results of an investigation conducted for Paine Field to delineate the lateral extent of chlorinated VOC contamination in shallow soil and perched groundwater near Building C-19.

The investigation included the installation of 20 direct-push probes identified as GP1 through GP20 on Figure 8a. CDM reported that TCE was not detected in soils at depths shallower than 5 ft bgs. The core of the plume appeared to be located below 29th Avenue West (southwest of Building C-19) and appeared to extend in a west to east direction, migrating along sewer and storm drain lines. No offsite TCE source (other than Building C-19) was identified (CDM 2005).

RI activities at Building C-19 were conducted by Landau on behalf of Paine Field over multiple mobilizations between 2018 and 2022. These soil, groundwater, and soil gas investigations further delineated the extent of VOC contamination within and around Building C-19. The results of the investigations were documented in two data reports (Landau 2019, 2023). The cumulative results of the investigations are summarized below.

- VOC-contaminated soil was present at concentrations above MTCA Method B CULs at the maximum depth sampled of 25 ft bgs (RISB-56) near the degreaser sump area and east of the northern section of Building C-19 (RISB-06 and RISB-58).
- VOC concentrations were above the MTCA Method B CULs in shallow, perched groundwater samples collected from below the concrete floor near the degreaser sump area (RIGW-55), and in the middle of Building C-19 (RISB-69). Shallow groundwater contamination was also present at concentrations above CULs up to 140 ft south (RISB-01) and approximately 90 ft east (RISB-58) of the building footprint (Figure 8f). Deep aquifer groundwater results are discussed in Section 5.4.
- Soil gas samples collected from below the concrete floor inside Building C-19 in 2019 indicated that VOC concentrations (primarily TCE) below the building were above the MTCA Method B SLs for soil gas in the degreaser sump area (RISG-54 and RISG-55; Figure 8h).
- In September 2021, Landau conducted an indoor air evaluation at Building C-19, the only occupied building within the Site at the time. Indoor air, sub-slab soil gas, and ambient air samples were collected as part of the evaluation to determine if VOC vapors were intruding into the building to the extent that they would pose a health risk to workers in the building. The results of the investigation indicated that VOC concentrations in indoor air were below the SLs for indoor air and the short-term action level for TCE (Figure 8h).

5.1.3 Petroleum-Contaminated Soil beneath the Floor of Building C-19

Environmental Partners Inc. (EPI) completed site characterization at Building C-19 in 2005, 2006, and 2007 for the Giddens Trust. In 2005 and 2006, soil and shallow groundwater samples collected from beneath the floor of the interior of Building C-19 were analyzed for diesel- and heavy oil-range petroleum hydrocarbons (also referred to as diesel-range organics [DRO] and oil-range organics [ORO], respectively) to evaluate potential subsurface impacts resulting from releases of cutting oil. Selected soil samples were also analyzed for polycyclic aromatic hydrocarbons (PAHs). DRO and ORO were detected at concentrations above the MTCA Method A CUL in shallow soil beneath the southern and central section of Building C-19. Neither DRO nor ORO was detected at a concentration above reporting limits in groundwater samples (EPI 2006, 2007). The EPI report stated that PAHs were detected in two soil samples at concentrations greater than the MTCA Method B CUL; the exceedances were co-located with exceedances for TPH.

In 2010, EPI conducted additional soil sampling and analysis in an area not accessible during previous investigations, and detected additional areas with DRO and ORO at concentrations above MTCA Method A CULs in soil beneath the northern section of Building C-19 (EPI 2010). During the site characterization sampling completed between 2005 and 2010, a total of 121 soil samples were collected from 65 locations throughout the manufacturing areas of the building. In addition, three shallow groundwater samples were collected from beneath the south end of the building and one shallow groundwater sample was collected from outside the east corner of the central portion of the building. The screened intervals for the temporary wells ranged from 5 to 13 ft bgs. The characterization sampling locations are not shown on the figures included with this document but are included in the EPI report (EPI 2010).

In 2011 and 2012, EPI reported the results of remedial actions completed in Bays 1, 2, and 3 (northern, central, and southern areas of Building C-19) conducted on behalf of the Giddens Trust. Shallow soil was excavated from six areas beneath the floor of Building C-19 and transported to a treatment facility. The locations of the excavation areas are shown on Figure 8a. Confirmation soil samples (a total of 88) were collected from the bottom and sidewalls of the excavations and analyzed for DRO and ORO. Detected concentrations were less than MTCA Method A soil CULs in all samples. EPI requested a No Further Action (NFA) determination from Ecology based on the remedial actions conducted in Bays 1, 2, and 3 (EPI 2011, 2012). Ecology issued an NFA determination for soil contaminated with DRO and ORO in Bays 1, 2, and 3, as described above, but noted that the NFA determination did not apply to the TCE contamination near the degreaser sump, described above (Ecology 2013).

Petroleum-related RI activities conducted by Landau at Building C-19 between 2018 and 2022 included sampling and analysis of soil and groundwater samples for TPH and metals. The results of the investigations were documented in two data reports (Landau 2019, 2023). Cumulative TPH, arsenic, and chromium results indicate that concentrations in shallow soil outside of the building were below SLs (Figures 8b and 8d, respectively). With one exception (RISB-07), shallow groundwater sampling results indicated that TPH and metals concentrations were below the MTCA Method B SLs and mostly not detected above laboratory reporting limits (Figures 8e and 8g). At RISB-07, the combined DRO and ORO results exceeded the 500 µg/L SL. Benzene exceeded the SL (0.8 µg/L) in a shallow groundwater sample collected from RISB-58. However, the concentration was below the standard MTCA Method B CUL of 5 µg/L.

5.2 Buildings C-20, C-21, C-22, C-23/C-23 Annex

This section includes relevant findings from previous Phase I ESAs and subsequent investigations at Buildings C-20, C-21, C-22, C-23, and the C-23 Annex. Historical exploration locations for this area are shown on Figures 9a and 10a. (Note: Although Building C23/C-23 Annex is considered a separate investigation area in this document, the discussion of previous investigations within this investigation area is combined with the Buildings C-20, C-21, C-22 discussion because historical investigations of Buildings C-20, C-21, and C-22, and documentation of those investigations, were typically combined with investigations of Building C-23/C-23 Annex.)

5.2.1 Phase I Environmental Site Assessment Findings

A Phase I ESA was completed at Buildings C-19, C-20, C-21, C-22, C-23, and C-29 by Landau on behalf of Snohomish County in 1993. The Building C-20, C-21, C-22 complex was referred to collectively as Building C-22 in the 1993 report and the buildings were occupied by All Fab at the time of the 1993 assessment. A Phase I ESA was conducted by Landau on behalf of the County at Buildings C-20, C-21, C-22, C-23, and the C-23 Annex in 2017. The buildings were occupied by TECT Aerospace at the time of the 2017 assessment. Relevant findings from the Phase I ESAs for Buildings C-20, C-21, and C-22 are as follows (Landau 1993, 2017):

- Manufacturing operations areas and other features observed in the Building C-20, C-21, C-22 complex in 1993 included metal fabricating areas (C-21), molten lead and alloy tanks (C-22), metal stretching machine and associated sump (C-22), a heat-treating and glycol quench tank area (C-21), and a drop hammer machine area (C-22).
- The metal stretching machine was located in a rectangular vault in the southwest corner of Building C-22. The vault was observed to be approximately 6 ft deep and included a sump near the center of the vault. The sump reportedly collected cutting oil from the machine as well as groundwater that would seep into the vault. The sump was reportedly pumped as needed and the liquid was taken to an oil recycling area at Building C-23. The machine had been removed and the vault cleaned and filled by the time of the 2017 Phase I ESA.
- Two underground storage tanks (USTs) were reportedly removed from the north side of Building C-22 in 1989. Minor soil contamination was reportedly encountered and excavated at the time of the UST removal; however, documentation was not available for review.
- A trench drain was observed in Building C-22 and continuing west along the north side of the exterior of Building C-20 (Figure 18). The 1993 report indicates that the trench drain is connected to the storm drainage system and to a detention pond located east of the Site. At the time of the 2017 Phase I ESA, the discharge point of the trench drain could not be determined.

At the time of the 2017 Phase I ESA, most manufacturing operations had ceased in the Building C-20, C-21, C-22 complex. Degraded and stained asphalt and concrete were observed in the manufacturing areas and storage drums and other containers of hazardous materials and petroleum products were observed without adequate secondary containment. The 2017 Phase I ESA concluded that there is a high potential for subsurface soil contamination to be present in areas where cutting oils and other hazardous materials and petroleum products were used and stored.

Relevant finding from the Phase I ESAs for Building C-23 and the C-23 Annex are as follows (Landau 1993, 2017):

- Manufacturing operation areas at Building C-23 included metal fabricating areas, a waste storage area, chemical storage areas, and an empty drum storage and metal chip processing area.
- At the time of the 1993 assessment, a liquid waste storage area was identified on the west side of the building. The storage area included an approximately 2,000-gallon waste antifreeze tank, a 300-gallon evaporator, and a 500-gallon sludge tank. The tanks were located on a paved area within a berm. At the time of the 2017 assessment, a 3,000-gallon aboveground storage tank

(AST) containing used coolant was located in this bermed area as well as a smaller AST (former evaporator) that was used for backup used coolant storage, if necessary. Staining and degraded concrete were observed in the vicinity of the ASTs.

- An oil shed was observed to the east of the center of Building C-23. This area was identified as a wood shop during the 1993 assessment. A sump was located in a covered area between Building C-23 and the oil shed. Metal chips resulting from the fabrication process were placed in chip bins and allowed to drain in this area. The sump was reportedly lined with concrete and had a solid bottom; however, the lining was not inspected during the 1993 or 2017 Phase I ESAs and staining and degraded concrete were observed.
- At least one out-of-use heating oil UST is located at the southwest corner of Building C-23. Previous reports include conflicting information regarding the number of USTs, and a second UST is potentially present. The heating oil UST was reportedly emptied, but has not been filled, decommissioned, or removed (Figure 10a).

Both the 1993 and 2017 Phase I ESA reports concluded that there was potential for subsurface contamination at Building C-23 and the C-23 Annex resulting from current and historical industrial operations.

5.2.2 Phase II Investigation Results (2017)

In 2017, Landau conducted a focused Phase II investigation at the current TECT Aerospace lease area (Buildings C-20, C-21, C-22, C-23, the C-23 Annex, and associated land) on behalf of the County. Additional details are provided in this and the following sections, and historical sampling locations (LAI-01 through LAI-28) are shown on Figures 9a and 10a.

5.2.2.1 Soil Investigation Results

A total of 22 soil samples were collected from the TECT Aerospace lease area and analyzed for DRO and ORO, VOCs, and glycols. The analytical results and exceedances of MTCA Method A CULs for industrial land uses are summarized below.

- Glycols were not detected at concentrations greater than the laboratory reporting limits in the one sample submitted for analysis.
- DRO or ORO was detected in 9 of 21 samples at concentrations greater than the laboratory reporting limits. The detected concentrations of DRO were less than the MTCA Method A CUL of 2,000 milligrams per kilogram (mg/kg). ORO was detected at concentrations greater than the MTCA Method A CUL in samples from two locations (LAI-10 and LAI-16).
- Cis-1,2-DCE and TCE were each detected in 4 of 17 samples at concentrations greater than the laboratory reporting limits. No other VOCs were detected in the samples.
- TCE was detected at concentrations greater than the MTCA Method A CUL of 0.03 mg/kg in four samples collected from three locations (LAI-25, LAI-26, and LAI-27; Figure 9c).
- There is no MTCA Method A CUL for cis-1,2-DCE. The detected concentration of cis-1,2-DCE (0.32 mg/kg) in the sample from LAI-25 at a depth of 15 ft bgs exceeded the MTCA Method B SL (0.078 mg/kg – based on the protection of groundwater as drinking water); however, it did not exceed the MTCA Method B screening level (160 mg/kg) based on direct contact.

The 2017 Phase II soil investigation identified petroleum hydrocarbons and TCE at concentrations greater than the MTCA Method A and B screening levels.

5.2.2.2 Soil Gas Investigation Results

Soil gas samples were collected from 25 locations within the TECT Aerospace lease area and submitted for analysis for VOCs. These sampling locations are identified as LAI-01, LAI-03, LAI-05, and LAI-07 through LAI-28 on Figures 8a, 9a, 10a, and 11a. VOCs that were detected in soil gas are shown in Table 15.

VOCs were detected at 21 of 25 sampling locations at concentrations greater than the MTCA Method B shallow soil gas SL and at 15 of 25 sampling locations at concentrations greater than the MTCA Method C shallow soil gas SL. Exceedances of MTCA Method B and C shallow soil gas SLs that were published at the time of the 2017 investigation are summarized below.

- At locations where 1,1-DCA and benzene were detected above the MTCA Method B shallow soil gas SLs, concentrations were below the MTCA Method C shallow soil gas SLs.
- At locations where 1-3-butadiene, chloroform, TCE, and VC were detected above the MTCA Method B shallow soil gas SLs, the concentrations also exceeded the MTCA Method C shallow soil gas SLs.

VOCs, primarily TCE and VC, were detected at concentrations greater than the MTCA Method B and Method C shallow soil gas SLs at locations throughout the TECT Aerospace lease area where tested. The highest concentrations of VOCs were detected in samples collected from beneath and outside the southwest corner of Building C-22 and from beneath the north end of Building C-23 (the C-23 Annex).

5.2.2.3 Indoor Air Investigation Results (Building C-23)

In response to the soil gas sampling results, the County requested that Landau conduct indoor air sampling at the occupied buildings within the TECT Aerospace lease area to determine if chemicals detected in soil gas were also present in indoor air at concentrations indicating a potential health concern for building occupants. At the time of the indoor air sampling and in preparation for termination of its lease, TECT Aerospace had moved all business operations to Building C-23 and the C-23 Annex, and Buildings C-20, C-21, and C-22 were not occupied (used by TECT Aerospace for storage). Therefore, indoor air sampling was conducted only at Building C-23 but was focused on the C-23 Annex, where VOC concentrations in soil gas samples collected from beneath and adjacent to the building were detected above the MTCA Method B and Method C SLs.

In preparation for indoor air sampling, a survey of Building C-23 was conducted on November 13, 2017. The building survey consisted of observing relevant features of the building construction (e.g., foundation type and condition); documenting the building heating, cooling, and ventilation system; documenting building operations; and conducting a chemical inventory.

Indoor air samples were collected from six locations (identified on Figure 10a as IA01-C23 through IA06-C23) and both short-term (8-hour) and long-term (21-day) samples were collected from each of the

six locations. An ambient air sample was also collected from an upwind location outside the building during the 8-hour sampling period. The results of the indoor air investigation are summarized below.

- During the 8-hour sampling event, TCE was detected in two indoor air samples at estimated time-weighted average concentrations of 0.2 and 0.21 micrograms per cubic meter (µg/m^3). TCE was also detected in the 8-hour ambient air sample at an estimated concentration of 0.31 µg/m^3, which is higher than the concentrations detected in indoor air. VC was not detected in any of the 8-hour samples at concentrations greater than the laboratory reporting limit.
- During the 21-day sampling event, TCE was detected in each of the six indoor air samples at time-weighted average concentrations ranging from 0.40 to 1.7 µg/m^3. None of the detected concentrations exceeded either the chronic (2.0 µg/m^3) or acute (8.4 µg/m^3) screening criteria for industrial properties (MTCA Method C). The data indicated that vapor intrusion is likely occurring, but that contaminant concentrations in indoor air are, on average, less than the screening criteria. The data also indicated that contaminant concentrations in indoor air were likely impacted by contaminants present in ambient air.

5.2.3 Pre-Agreed Order Remedial Investigation Activities (2018-2022)

RI activities were conducted between 2018 and 2022 at the Building C-20, C-21, C-22 complex, Building C-23, and the Building C-23 Annex. These soil, groundwater, and soil gas investigations were conducted prior to execution of the AO in August 2023. The results of the investigations were documented in two data reports, and the AO RI/FS work plan (Landau 2019, 2023). The cumulative results of the investigations are summarized in the following subsections.

5.2.3.1 Soil Results

Three soil investigations were conducted in the Building C-20, C-21, and C-22 complex as part of the pre-AO RI activities. Gasoline-range TPH (TPH-G) and ORO were detected at one location (RISB-28) at concentrations above MTCA Method B CULs up to 2 ft below the former Hammer Shop, where petroleum contamination appeared to be isolated (Figure 9b). VOCs were detected in shallow soil throughout the Building C-20, C-21, and C-22 complex. The highest VOC concentrations were detected in soil beneath and immediately south of Building C-22 and VOC concentrations in soils were above CULs to a depth of 20 ft bgs (RISB-21). TCE was detected at a concentration above the CUL (0.206 mg/kg) at a depth of 35 ft bgs north of Building C-21 (RISB-15; Figure 9c). Total chromium was detected at a concentration above (43 mg/kg) the MTCA Method B CUL (42 mg/kg) at one location below the floor of the C-22 complex (Figure 9d).

5.2.3.2 Groundwater Results

Three rounds of pre-AO RI activities were conducted in the Building C-20, C-21, and C-22 complex. Perched groundwater grab samples were collected from borings using temporary well screens with intervals ranging from 1 to 4 ft bgs to 20 to 25 ft bgs. ORO was detected at concentrations above the MTCA Method B CUL within the central portion of the complex with the highest concentrations detected in samples collected from below the Hammer Shop (RISB-28) and the C-22 complex (RISB-49; Figure 9e). VOCs were detected in groundwater at concentrations above the MTCA Method B CUL throughout the Building C-20, C-21, and C-22 complex. The highest concentrations were detected in samples collected

from below the C-22 complex (RISB-13) and north of Building C-21 (RISB-15; Figure 9f). One sample exceeded the MTCA Method B CUL (5 µg/L) for arsenic at the time. However, the concentration (14 µg/L) is comparable to the natural background concentration (13.6 µg/L) for Snohomish County (San Juan 2022).

5.2.3.3 Soil Gas Results

Soil gas samples were collected from below the concrete floor within and south of Building C-22 in 2019. The samples were collected using sub-slab vapor pins and temporary vapor screens that ranged in depth from 0.7 ft (indoor) to 4.5 ft bgs (outdoor). The 2019 laboratory analysis confirmed the 2017 Phase II findings that VOC concentrations below and south of Building C-22 were above the MTCA Method B SLs for soil gas that were presented in the 2018 pre-AO draft RI work plan (Figure 9h).

5.3 Former Building C-29/East Fuel Farm and Former Building C-27

This section includes relevant findings from previous Phase I ESAs and subsequent investigations at the former Building C-29/East Fuel Farm investigation area. The investigation area was expanded to include former Building C-27 after investigations conducted in 2019 detected contamination to the west and southwest of the former Building C-29/East Fuel Farm investigation area.

5.3.1 Former Building C-29

Building C-29 was included in the Phase I ESA completed by Landau on behalf of the County in 1993, although the assessment report does not identify the building by number. The building was occupied by All Fab at the time of the assessment. Relevant findings from the Phase I ESA for Building C-29 are as follows (Landau 1993):

Building C-29 was described as two interconnected buildings that were used for large-scale chemical storage. One of the buildings had approximately 100 storage drums, most of which contained petroleum lubricants. Petroleum spillage was observed in the drum storage room; however, the underlying concrete did not appear to be degraded. The other building stored several hundred smaller containers (2 gallons or less) of paints and similar compounds. A sump and floor drains were observed in this building; however, there was no information provided regarding the specific location or outlet of the sump or floor drains (Landau 1993). The floor was observed to be very clean, as though recently steam-cleaned. The 1993 report indicated that an inventory of materials contained in the buildings had recently been completed, though the inventory was not provided, and that disposal of the materials was pending.

Former Building C-29 was demolished by the County in 1996. During demolition, the County discovered a greenish-yellow tinted water at the foundation of the building. The County stopped the demolition work and retained Landau to collect a sample of the water for laboratory analysis (sampling location identified as AF-1 on Figure 11a). Landau reported that analysis of the water sample detected chromium, TCE, and VC at levels exceeding MTCA drinking water standards (Snohomish County Airport 1996). In July 1996, Landau reported the results of further investigation completed in the vicinity of

Building C-29. The study was conducted on behalf of Snohomish County Public Works, based on the January 1996 foundation water sample analysis. Eight test pits were excavated (C29-TP1 through C29-TP8), two soil borings drilled (C29-B3 and C29-B4), and two additional soil borings were drilled and completed as monitoring wells (C29-MW1 and C29-MW2). Two existing monitoring wells were also sampled (SCPWD-1 and SCPWD-2). Analysis of soil and groundwater samples indicated that TCE was present at concentrations exceeding MTCA Method A CULs in soil and groundwater; cis-1,2-DCE was detected at concentrations above MTCA Method B CULs; and VC was detected above MTCA Method A CULs in groundwater. Total chromium was detected at a concentration above the MTCA Method A CUL in one soil sample collected from within the building footprint (Landau 1996).

In 1999, AGI conducted a preliminary contamination assessment of Buildings C-19 (described in Section 5.1) and C-29, on behalf of the Snohomish County Public Works Department. AGI identified and collected groundwater samples from eight monitoring wells near Building C-29 that were previously installed by Landau (C29-MW1 and C29-MW2), Snohomish County Public Works Department (SCPWD-1), BF Goodrich or Tramco (HMB1), and AGI (MW1 through MW4). Well depths ranged from 17 to 23 ft bgs and depths to groundwater during sampling ranged from 1.26 ft bgs to 8.26 ft bgs. TCE was detected at a maximum concentration of 18,000 µg/L and the detected concentrations exceeded the MTCA Method A CUL in water samples from seven of the eight wells near Building C-29. Detected concentrations of VC exceeded CULs in water from six of the eight wells, and concentrations of 1,2-dichloroethane (1,2-DCA) exceeded CULs in three of the eight wells (AGI 1999).

Pre-AO RI activities at Building C-29 were conducted by Landau on behalf of Paine Field over multiple mobilizations between 2018 and 2022. These soil, groundwater, and soil gas investigations further delineated the extent of TPH, VOCs, and metals within and around Building C-29. The results of the investigations were documented in two data reports (Landau 2019, 2023). The cumulative results of the investigations are summarized below.

- TPH-G, DRO, and ORO were analyzed for in soil and groundwater samples collected from within and outside of the Building C-29 footprint. Groundwater samples were collected from temporary wells and permanent monitoring wells. Soil results from three borings (RISB-31, RISB-47, and RISB-48) indicated that TPH was not detected at concentrations above the laboratory reporting limit within or around the former Building C-29 footprint. Groundwater sampling results showed that TPH-G, DRO, and ORO were present in groundwater west and northwest of Building C-29 at concentrations that exceeded the MTCA Method B CUL (Figures 11b-2 and 11e-2).
- VOC-contaminated soil and groundwater were detected at concentrations above MTCA Method B CULs in and around the Building C-29 footprint. Concentrations of VC (0.061 micrograms per kilogram [µg/kg]) were above the CUL (0.0089 µg/kg) at a maximum depth of 20 ft bgs (RISB-30) immediately east of the building footprint. Concentrations of VOCs in the groundwater within and surrounding Building C-29 are significantly above MTCA CULs. The highest VOC concentrations were to the west and northwest (toward the former East Fuel Farm), and concentrations decreased significantly to the east and southeast (Figure 11f-1 and 11f-2).

- Metals were analyzed for in soil and groundwater samples collected from within and around the Building C-29 footprint. None of the MTCA Method B CULs for metals were exceeded, except at RISB-48, which was located inside the building footprint. The total chromium concentration (450 mg/kg) exceeded the CUL (42 mg/kg) in the one soil sample collected from 9 to 10 ft bgs. There were no total chromium exceedances in groundwater, but two samples (SCPWD-1 and RISB-30) had concentrations above the arsenic CUL (5 µg/L) at the time. However, results were below the Snohomish County background concentration of 13.6 µg/L (San Juan 2022) (Figures 11d and 11g).

5.3.2 Former East Fuel Farm

Environmental investigations at the former East Fuel Farm have been completed on behalf of the US Army Corps of Engineers (USACE) and the County. In 1992, a 12,000-gallon aviation fuel UST (Tank 95B) was removed by a contractor on behalf of the USACE. At the time of the UST removal, approximately 100 cubic yards of petroleum-contaminated soil was removed from the UST excavation and stockpiled Paine Field property prior to disposal. Based on the analytical results from confirmation soil samples collected from the remaining soil, contamination exceeding MTCA Method A CULs was not present and no further action was recommended by the USACE. Records indicate that the USACE planned to remove a second UST (Tank 95; size and contents unknown) at the time of the removal of the 12,000-gallon UST; however, the second UST could not be located (AGI 1993). In 1994, AGI completed a subsurface investigation at the East Fuel Farm on behalf of the County. The investigation included a geophysical survey and sampling and analysis of soil and perched groundwater. The results of the 1994 investigation are summarized as follows (AGI 1994):

- The geophysical survey identified two USTs and a potential third UST in the fuel farm. Details regarding the USTs are provided in Section 2.4.5 and the approximate locations of the current and former USTs are shown on the Figure 11 series.
- Ten soil borings (B14 to B23) were advanced in the fuel farm using a hollow-stem auger. The soil borings encountered approximately 2 to 17 ft of fill underlain by till. Perched groundwater was encountered at four locations (B16, B20, B21, and B23) at depths ranging from 15 to 22 ft bgs; these borings were completed as monitoring wells MW1 through MW4. The sampling locations are shown on Figure 11a.
- Analytical results for soil samples identified gasoline-range and JP8 jet fuel-range petroleum hydrocarbons in soil at concentrations exceeding the applicable MTCA Method A CULs. AGI concluded that the soil contamination was limited to the UST backfill.
- Analytical results for groundwater identified petroleum hydrocarbons; Jet-A fuel; benzene, toluene, ethylbenzene, and xylenes (BTEX); and chromium in groundwater at concentrations greater than the applicable MTCA Method A CULs.

In 2000, CDM completed an assessment of contamination at the East Fuel Farm on behalf of the County. No additional sampling was completed as part of the assessment. The assessment report indicates that the 25,000-gallon UST was drained and rinsed in 1996 and had not been used since that time (CDM 2000b).

An additional assessment was completed by CDM in 2002 on behalf of the County. The assessment included sampling and analysis of groundwater samples from existing shallow monitoring wells MW-1 through MW-4, and from aquifer well DW2. Analytical results are summarized as follows (CDM 2002):

- Detected concentrations of petroleum hydrocarbons in samples from MW-1 through MW-3 were below MTCA Method A CULs.
- Gasoline- and diesel-range petroleum hydrocarbons were detected at concentrations greater than the MTCA Method A CULs in the sample from MW-4.
- Benzene was detected in each of the wells at concentrations greater than the MTCA Method A CUL.
- Petroleum hydrocarbons and BTEX were not detected in the deep aquifer sample collected from DW2.

The 2002 CDM report also indicates that samples were collected from the monitoring wells at the East Fuel Farm in 1996 and 1999 as part of separate investigations conducted at the All Fab facility (Building C-29). Chlorinated VOCs were detected in each of the wells indicating potential commingled groundwater plumes in this area.

Pre-AO RI activities at the former East Fuel Farm were conducted by Landau on behalf of Paine Field over multiple mobilizations between 2018 and 2022. These soil, groundwater, and soil gas investigations further delineated the extent of TPH, VOCs, and metals contamination in the area. The results of the investigations were documented in two data reports (Landau 2019, 2023). The cumulative results of the investigations are summarized below.

- TPH-G, DRO, and ORO were analyzed for in soil and groundwater samples collected from north and northeast of the former East Fuel Farm boundary. Groundwater samples were collected using temporary well screens and permanent monitoring wells. Soil results from five borings (RISB-41, RISB-42, RISB-43, RISB-64, and RISB-74) indicated that TPH-G and DRO were not detected at concentrations above the laboratory reporting limits. ORO was detected (180 mg/kg) at one location (RISB-64) above the laboratory reporting limit but below the MTCA Method B CUL (2,000 mg/kg). Benzene was detected above the CUL (0.277 µg/kg) at one location (RISB-42) just north of the USTs. The sample was collected from 11.5 to 12.5 ft bgs and the concentration was 2 µg/kg (Figure 11b-2). Groundwater samples were collected from nine locations (monitoring wells and temporary wells screens) and results showed that DRO and ORO were present in groundwater north of the former East Fuel Farm at concentrations that exceeded the MTCA Method B CUL. Benzene concentrations exceeded the CUL (0.795 µg/L) at five of the nine locations (Figure 11e-1 and 11e-2).
- VOC-contaminated soil and groundwater were detected at concentrations above MTCA Method B CULs in and around the former fuel farm footprint. Concentrations of TCE in soil (1.8 to 9.8 µg/kg) were above the CUL (0.0089 µg/L) at a maximum depth of 20 ft bgs (RISB-41) immediately east of the tank area. Cis-1,2-DCE and VC were also detected at concentrations above the CULs in soil around the former fuel farm area. Groundwater samples collected from both temporary and permanent wells showed that TCE; cis-1,2-DCE; and VC were detected at concentrations above the MTCA Method B CULs at the time. The highest VOC concentrations in groundwater were detected at the south end of the former East Fuel Farm, at permanent monitoring well MW1 (Figure 11f-2).

- 1,4-dioxane was detected at concentrations above the MTCA Method B CUL in each of four shallow groundwater samples. The highest concentration, 190 µg/L, was detected at MW-1 within the former fuel farm.
- Metals were analyzed for in groundwater samples collected from within and around the former East Fuel Farm footprint. Only arsenic was detected above the CUL (5 µg/L) at the time and of the six wells that had CUL exceedances, only two (HMB1 and MW1) exceeded the current arsenic background concentration of 13.6 µg/L.
- One soil gas sample was collected from near the northeast corner of the former East Fuel Farm footprint in April 2019. The sample was collected from a temporary vapor probe that was screened from 4 to 4.5 ft bgs. The only VOC compound detected above the laboratory reporting limit was VC and the concentration (2,000 µg/m^3) exceeded the MTCA Method B SL of 9.33 µg/m^3 (Figure 11h).

5.3.3 Former Building C-27

Investigation activities near former Building C-27 began in April 2019 as part of Landau's initial mobilization to implement the 2018 pre-AO draft RI/FS work plan (Landau 2018b). There had been no known investigations conducted in the vicinity of Building C-27 prior to implementation of the pre-AO RI in 2019. During drilling activities at location RISB-45 (north of former Building C-27) in 2019, Landau field personnel noted very strong odors and staining in the cores as they were removed from the boring. Soil analytical results indicated a TCE concentration of 230,000 µg/kg at 15 ft bgs. A groundwater grab sample was collected from boring RISB-45 from 15 to 20 ft bgs and the TCE concentration was 340,000 µg/L. TPH concentrations were also detected at concentrations above MTCA CULs in effect at the time of the investigation in both soil and groundwater north of the former Building C-27 footprint.

Subsequent Pre-AO RI activities were conducted in and around the former Building C-27 footprint to determine the nature and extent of VOC and TPH contamination. The reported results of those subsequent investigations conducted in the area are summarized below and reference the SLs presented in the 2018 pre-AO draft RI/FS work plan (Landau 2018b).

- TPH-G, DRO, and ORO were analyzed for in soil and groundwater samples collected from within and outside the Building C-27 footprint. Groundwater samples were collected from temporary wells and permanent monitoring wells.
  - Soil results indicated that TPH was either not detected above the laboratory reporting limit or was below the SL within and around the Former Building C-27 footprint (Figure 11b-1).
  - Groundwater sampling results showed that TPH-G, DRO, and ORO were present in groundwater within (RISB-46) and to the north (RISB-45, RISB-66, and RISB-76) of the former building footprint. DRO and ORO concentrations were above the SLs at these locations. TPH-G exceeded the SL (800 µg/L) at RISB-45 but was below the CUL at RISB-48 and RISB-66. Benzene exceeded the SL (0.800 µg/L) at two locations (RISB-45 and RISB-76; Figure 11e-1).
- VOC-contaminated soil and groundwater were detected at concentrations above SLs within and around the Building C-27 footprint. The highest concentrations in both soil and groundwater were north of the building footprint at RISB-45, as discussed above.

  - VOC concentrations in soil and groundwater exceeded the SL up to approximately 100 ft northwest (RISB-76) and south (RISB-79), and 235 ft west (RISB-77) of Former Building C-27 (Figure 11c-1).
  - Three new groundwater wells (RIGW-1 through RIGW-3) were installed near the Former Building C-27 area during the Pre-AO RI activities. Two of the wells (RIGW-2 and RIGW-3) were sampled (RIGW-1 was dry) in September 2023, along with two new deep aquifer wells. The deep aquifer results are discussed in Section 5.4. Groundwater results from sampling temporary well screens and all permanent monitoring wells near the Former Building C-27 indicated that VOC concentrations were above the SLs in all of the samples (Figure 11f-1).

- Metals were analyzed for in soil and groundwater samples within and around the Building C-27 footprint. Soil results from one location (RISB-80) indicated that metals were not present in shallow soil (to a maximum depth of 40 ft bgs) at concentrations above the SLs. Metals were not detected above the laboratory reporting limits in the groundwater sample (RISB-46) collected from beneath the former building footprint.
- In December 2019, Paine Field asked Landau to conduct a focused soil gas investigation beneath the southeast corner of Hangar 1 to determine VOC concentrations below the concrete slab. Three soil gas samples (RISG-100, RISG-101, and RISG-102) were collected from stainless-steel vapor pins that were installed just below the concrete slab between 0.7 and 0.9 ft bgs. One of the samples (RISG-102) had a VC concentration (210 µg/m^3) that exceeded the SL (95 µg/m^3) for shallow soil gas. The remaining samples were below applicable SLs.

5.4 Deep Aquifer

Investigation of the deep aquifer began in 1999 and continued into 2023 with the installation and sampling of deep aquifer monitoring wells RIDW-5 and RIDW-6.

In 2000, CDM (formerly AGI) completed an investigation of potential contamination of the deep aquifer underlying the Site on behalf of the County. CDM installed wells into the deep aquifer to the southwest of Building C-19 (DW1), north of the former Building C-29 (DW2), and northeast of Building C-19 (DW3). The locations of the wells are shown on Figure 6. The wells ranged in depth from 117 ft bgs to 151 ft bgs. Soil samples were collected at 10-ft intervals during drilling, field-screened for VOCs, and analyzed in the laboratory for halogenated VOCs. Groundwater samples were collected from DW1 and DW2 in December 1999 and March 2000 and from DW3 in May 2000. Additional groundwater samples were collected from monitoring well DW1 in 2003 and analyzed for halogenated VOCs.

- At monitoring well DW1, aquifer groundwater was encountered at approximately 133 ft bgs. TCE was detected at a concentration above the MTCA Method A CUL in one soil sample from 58 ft bgs (10 µg/kg). Analysis of groundwater samples from DW1 indicated that TCE had migrated vertically to the aquifer. TCE and cis-1,2-DCE were detected in aquifer groundwater samples from DW1, but only TCE (maximum detected concentration of 62 µg/L in 2000) exceeded the MTCA Method A CUL of 5 µg/L. TCE was detected at a concentration above the laboratory reporting limit in one soil sample (57.8 ft bgs), but below the MTCA Method A and B CULs (CDM 2000a). CDM's analysis of a groundwater sample from DW1 in 2003 showed that the concentration of TCE increased to 81 µg/L.

- At monitoring well DW2, aquifer groundwater was encountered at approximately 134 ft bgs. TCE was not detected in groundwater samples collected from DW2; however, concentrations of 1,1,2-TCA, 1,2 DCA, and 1,2-dichloropropane were detected above MTCA Method A and B CULs in the groundwater samples. TCE was detected at a concentration above the MTCA Method B CUL for protection of groundwater in one soil sample. Trans-1,2-DCE and cis-1,2-DCE were detected at concentrations below applicable CULs in soil samples collected from DW2 (CDM 2000a).
- At monitoring well DW3, aquifer groundwater was encountered at approximately 132 ft bgs. VOCs were not detected in soil or groundwater samples from DW3.

CDM concluded that the data did not suggest the presence of area-wide contamination of the aquifer and, as noted in Section 5.1.2, further investigation completed in 2005 did not identify a TCE source other than Building C-19 (CDM 2005).

From 2018 to 2023, the County re-sampled DW1, DW2, and DW3 and installed and sampled six additional deep aquifer monitoring wells (RIDW-1 through RIDW-6). Resampling of DW1 in 2019 showed a marked increase in TCE concentration (300 µg/L) compared to the earlier 81 µg/L measured in 2003. DW2 also yielded a higher TCE concentration in 2019 (120 µg/L) relative to the earlier non-detect result from 2000. The analytical results from DW3 were generally consistent with previous data.

The sampling of RIDW-1 through RIDW-6 has generally yielded concentrations of TCE and other VOCs that are much lower than those detected in DW1 and DW2. For example, RIDW-4, which is located immediately downgradient of the highest concentrations of TCE measured in the shallow groundwater at the Site, has yielded a maximum TCE concentration of 1.2 µg/L. This concentration is below the TCE pCUL. Previously reported data from the September 26, 2023 sampling of downgradient wells RIDW-5 and RIDW-6 (see Table 23) show that only one VOC (1,2-DCA) was detected and exceeded the SL in the samples at a maximum concentration of 0.68 µg/L. However, 1,4-dioxane was detected at a concentration above the MTCA Method B CUL (0.44 µg/L) in four of the seven deep aquifer monitoring wells sampled between 2018 and 2023.

A comparison of VOC data from DW1 and DW2 to the VOC data from more recently installed deep wells RIDW-1 through RIDW-6 raised suspicion surrounding the construction methods used to install DW1 and DW2 in 1999. It was noted that both wells were installed in areas with high VOC concentrations in shallow groundwater and therefore a potential exists for shallow perched contaminated groundwater to act as a source of contamination to the deep aquifer if the well was not properly sealed. The evaluation noted that both wells were constructed with a single casing that extended from the surface to the bottom of the boring in the deep aquifer and that bentonite chips (i.e., not a fluidized grout) were used as the primary seal to the surface. The well logs and report (CDM 2000a) have no mention of the bentonite chips being hydrated during installation. In contrast, the RIDW series of wells that were installed in areas where VOC concentrations in shallow groundwater were elevated or potentially elevated (RIDW-4, 5, and 6) were double-cased during drilling to better isolate the shallow perched groundwater from the deep aquifer. RIDW-1 through RIDW-6 were also constructed using fluidized grout as the primary seal to provide a more competent seal compared to dry bentonite chips.

The historical investigation data described above and the well construction evaluation results were considered in developing the planned AO RI investigation activities in the deep aquifer (discussed in Section 6.0).

6.0 AGREED ORDER REMEDIAL INVESTIGATION

The AO RI was implemented following execution of the AO on August 30, 2023 and Ecology approval of the AO RI/FS work plan in May 2024 (Ecology 2024a). The AO RI was completed in two separate phases/mobilizations, referred to as Phase 1 and Phase 2. Phase 1 field activities were completed between May and August 2024 and Phase 2 field activities were completed between November 2024 and July 2025. Interim data reports (Landau 2024b, 2025) were prepared at the conclusion of each phase and submitted to Ecology for review in determining the need for and scope of any subsequent investigation phases.

Field activities (e.g., drilling, sampling, investigation-derived waste management, quality assurance/quality control procedures, health and safety procedures) were completed in accordance with the methods described in the AO RI/FS work plan (Landau 2024a). Investigation-derived waste during both the Pre-AO RI and AO RI activities was managed and disposed of in accordance with the AO RI/FS work plan in two separate phases. Soil and water waste manifests for both Pre-AO RI and AO RI activities are provided in Appendix E.

The AO RI data are presented by investigation area in the same manner as described above in Section 5 for the pre-AO investigation data. Exploration locations for each investigation area are shown on Figures 8a, 9a, 10a, 11a, and 14.

6.1 Agreed Order Remedial Investigation Overview

The overall objective of the AO RI was to address the Site characterization data gaps that remained following completion of the investigation and cleanup activities described in Section 5. These data gaps and the specific investigation objectives to address these data gaps are provided in Table 25. The scope of work detailed in the AO RI/FS work plan (i.e., the first phase of the AO RI) included investigation activities within all five previously identified investigation areas at the Site and included the following major elements:

- Drilling and sampling of 18 shallow soil borings (RISB-100 through RISB-117) ranging in maximum depth from 20 to 50 ft bgs. Soil samples were collected for analysis for VOCs and several other parameters from each boring. Groundwater samples were collected from borings that yielded sufficient water for sample collection, except RISB-112, which was not planned for groundwater sampling.
- Drilling, installation, and development of shallow monitoring wells RIGW-100 through RIGW-104.
- Drilling, installation, and development of deep aquifer monitoring wells RIDW-7 and RIDW-8 located adjacent to and crossgradient of wells DW1 and DW2, respectively. DW1 and DW2 were decommissioned prior to installation of RIDW-7 and RIDW-8 and were sampled prior to decommissioning. Soil samples were collected at 10-ft intervals during the drilling of RIDW-7 and analyzed for VOCs to delineate the vertical extent of chlorinated solvent contamination in the immediate vicinity of the former vapor degreaser in Building C-19.

- Surveying of new monitoring wells RIGW-100 through RIGW-104, RIDW-7, and RIDW-8 for location and elevation.
- Conducting three groundwater elevation survey events of the existing and new deep aquifer and shallow, perched groundwater monitoring wells at the Site. Groundwater elevations were also measured at six off-Site deep aquifer wells located on an adjacent parcel currently leased by The Boeing Company.
- Installing 16 shallow soil gas probes (RISG-203 through RISG-218) and sampling of soil gas from 15 of the 16 probes. All soil gas samples were analyzed for VOCs. Soil gas probe RISG-203 was not sampled because water was present in the probe.
- Conducting one semiannual, Site-wide groundwater sampling event at all Site wells (20 shallow groundwater wells and nine deep aquifer wells). Per- and polyfluoroalkyl substances (PFAS) were analyzed for in groundwater samples collected from one shallow well (HMB1) located in the former Building C-29/former East Fuel Farm area.
- Conducting a trench drain investigation in the C-20, -21, -22 area to determine the location of the drain terminus (Figure 18).

The second phase of the AO RI was designed to address several remaining Site characterization data gaps following completion of the first phase of the AO RI and included the following major elements:

- Drilling and sampling five shallow soil borings (RISB-201 through RISB-205) ranging in depth from 20 to 40 ft bgs. Soil samples were collected for analysis for VOCs and several other parameters from each boring. Groundwater samples were collected from borings that yielded sufficient water for sample collection.
- Sampling perched groundwater at three locations and deep groundwater at one location for PFAS near the area of an aqueous film-forming foam (AFFF) release near Hangar 1.

In the Phase 2 AO RI interim data report, Landau recommended conducting the following additional AO RI activities to further delineate the extent of PFAS in deep aquifer groundwater in the northern former Building C-29/former East Fuel Farm area:

- Sampling existing downgradient deep aquifer wells RIDW-5 and RIDW-6 (Figure 14) and analyzing the samples for PFAS.
- Re-sampling existing deep groundwater monitoring well RIDW-4 and analyzing the sample for PFAS to confirm the earlier detection.

Sampling of these additional monitoring wells was conducted in July 2025.

6.2 Agreed Order Remedial Investigation Results

The results of the first and second phases of the AO RI are summarized in Table 25. Analytical data from both phases of the AO RI are provided in Tables 10 through 24. Analytical data of the main Site COCs are presented on Figures 8b through 8h and 11b-1 through 11h, 12, 13, and 15 through 17. Exploration boring logs prepared for all wells and borings drilled at the Site since 2018 are provided in Appendix F. Well construction details for these wells and historical wells where records are available are presented in Table 26.

Data from the AO RI along with pre-AO RI data are discussed further and were used to generate the area-specific conceptual site models in Section 8 of this report.

7.0 TERRESTRIAL ECOLOGICAL EVALUATION

This section documents the results of a terrestrial ecological evaluation (TEE) conducted to determine if hazardous substances in Site soil pose a threat to the terrestrial environment in accordance with MTCA regulations WAC 173-340-7490 through 173-340-7494. The results of a TEE may be used in developing and evaluating CULs, cleanup action alternatives, and in selecting a recommended cleanup action in the FS, depending on the results of the evaluation.

The Site does not meet the criteria described in WAC 173-340-7491(1) to exclude the Site from conducting a TEE. In addition, the Site does not meet the criteria described in WAC 173-340-7491(2)(a) for requiring a site-specific TEE for the following reasons:

- The Site is not located on or directly adjacent to an area where management or land-use plans will maintain or restore native or semi-native vegetation
- The Site is not used by a threatened or endangered species
- The Site is not located on a property that contains at least 10 acres of native vegetation within 500 ft of the Site
- Ecology has not determined that the Site may present a risk to significant wildlife populations.

In addition, Paine Field has prepared and implements a Wildlife Hazard Management Plan to actively manage wildlife populations at the Site to minimize collisions involving wildlife and aircraft. The plan, which has been approved by the Federal Aviation Administration, is based on a strategy that minimizes habitat that could be attractive to wildlife, such as ponds and wetlands, grassy fields, and forested areas. This plan is included in Appendix G.

Therefore, in accordance with WAC 173-340-7491(2)(b), a simplified TEE was completed in accordance with WAC 173-340-7492, the results of which are summarized in a completed Ecology TEE Form (Appendix G). As shown on the form, no additional action is needed at this time because the current or planned land use makes wildlife exposure unlikely based on the completed scoring matrix contained in MTCA Table 749-1, which is also presented in Appendix G. A major component of the scoring contained in Table 749-1 is based on the number of acres of undeveloped land on the Site and within 500 ft of the Site boundary, with the caveat that Ecology does not consider land that is undeveloped *and* managed to limit wildlife exposure per the Airport's Wildlife Hazard Management Plan to meet the definition of "undeveloped land" within the context of Table 749-1. Figure G-1 in Appendix G is provided as additional backup to Table 749-1 and shows the Site boundary, the 500-ft buffer from the Site boundary, vegetated land within the 500-ft buffer that is managed under the Airport's Wildlife Hazard Management Plan, and vegetated land within the 500-ft buffer that is off Airport property and therefore not managed under the plan (i.e., undeveloped land). As shown on Figure G-1, only 1.12 acres meet the definition of undeveloped land.

8.0 CONCEPTUAL SITE MODEL

8.1 Contaminants of Concern and Sources

Site COCs are identified based on contaminants that have been detected during previous investigations or remedial actions at the Site (Section 4), or that are suspected to be present based on available information. The COCs consist primarily of VOCs, metals (arsenic and chromium), and TPH. Former operations and previous investigation results in each of the investigation areas are discussed in Sections 2.4 and 5.0, respectively. The specific COCs for each area being investigated under the AO are as follows:

- Building C-19 COCs:
  - VOCs
  - 1,4-Dioxane
- Building C-20, C-21, C-22 complex COCs:
  - VOCs
  - 1,4-Dioxane
  - Lead and Arsenic
  - TPH (DRO, ORO)
- Building C-23 COCs:
  - VOCs
  - 1,4-Dioxane
  - Arsenic
  - TPH (DRO, ORO)
- Former Building C-27 and C-29 COCs:
  - VOCs
  - 1,4-Dioxane
  - Metals (MTCA metals, arsenic and total chromium)
  - TPH (TPH-G, DRO, ORO)
- Former East Fuel Farm COCs:
  - VOCs
  - 1,4-Dioxane
  - Metals (MTCA metals, in particular arsenic and total chromium)
  - TPH (TPH-G, DRO, ORO)

- Deep aquifer COCs:
  - VOCs
  - 1,4-Dioxane.

A description of the activities that took place at these investigation areas, many of which are the likely sources of the contamination found within these areas, is provided in Section 2.4.

Ecology requested that carcinogenic polycyclic aromatic hydrocarbons (cPAHs) be analyzed whenever groundwater samples are analyzed for DRO or ORO (Ecology 2022), consistent with MTCA Table 830-1, and therefore cPAHs are considered a potential COC at the Site.

In the October 5, 2023 Pre-Work Plan Meeting, Ecology requested that PFAS be considered a potential COC at the Site because PFAS have been detected at other airports, including Paine Field, due to historical releases of AFFF.[6] (Note: Since 2018, Paine Field has been evaluating historical AFFF releases separate from this AO.) Paine Field's review of fire department incident reports dating back to the early 1990s as well as interviews with current and former Paine Field firefighter employees indicate that significant use of AFFF at the Site and therefore releases of AFFF to soil and/or groundwater have not occurred at the Site; however, two emergency fire suppression releases of AFFF are known to have occurred at nearby Hangar 1 and migrated onto the Site. Investigation activities related to AFFF releases in this area of the Site are discussed in Section 6.0.

8.2 Contaminant Media of Concern, Contaminant Migration, Receptors, and Exposure Pathways

As described in Section 3.0, the Site geology consists of a relatively thin layer of fill material underlain by Vashon glacial till with Vashon advance outwash underlying the glacial till. Seasonal perched groundwater is present above the glacial till in some areas of the Site. The deep aquifer is located at approximately 130 to 135 ft bgs in the advance outwash.

Much of the Site surface is paved, with some unpaved areas to the north and east. No surface water features are located near the Site and stormwater runoff is collected in the onsite stormwater conveyance system or runs off and infiltrates in unpaved areas. Surface water is not considered a medium of concern at the Site because there are no known discharges of contaminated Site groundwater to a surface water body.

The Site and the surrounding area are highly urbanized and are part of an airport facility where use by wildlife is actively discouraged due to aviation safety concerns. Therefore, wildlife are not identified as potential receptors. A TEE (see Section 7) concluded that wildlife exposure at the Site is unlikely. The Site is zoned for industrial land use and the primary use of the Site is industrial; the primary receptors are adult workers. Adult workers include both people working at the Site long-term and temporary construction workers.

[6] AFFF is a synthetic firefighting foam used to suppress flammable liquid fires and PFAS are key components in most AFFFs.

8.2.1 Exposure Pathways

Site investigations completed to date indicate that soil, groundwater, and soil gas contamination are present in the upper glacial till and fill layers and groundwater contamination is present in the deep aquifer. Potential exposure and migration pathways are summarized in the following subsections by medium.

8.2.1.1 Soil

Potential exposure and migration pathways in shallow soil include:

- Direct contact including incidental ingestion or dermal contact by Site workers with hazardous substances that are present in subsurface soil or inhalation of hazardous substances that are present in soil that have migrated as windblown or fugitive dust during construction activities
- Leaching of contaminants from soil to groundwater
- Partitioning of contaminants from soil to shallow soil gas.

8.2.1.2 Groundwater

Potential exposure and migration pathways for perched groundwater include:

- Incidental ingestion and dermal contact by construction workers with hazardous substances that are present in perched groundwater
- Migration of contaminated perched groundwater to the deep aquifer
- Partitioning of contaminants from the perched groundwater zone to shallow soil gas.

Potential exposure and migration pathways for deep aquifer groundwater include:

- Ingestion as drinking water of hazardous substances that are present in deep aquifer groundwater.

Note that ingestion as drinking water of hazardous substances that are present in perched groundwater is not considered a potential exposure pathway due to the perched groundwater not meeting the definition of potable groundwater as defined in WAC 173-340-720(2) (see Section 3.2). However, potential migration of contamination from the perched groundwater to the deep aquifer is a potential exposure pathway and is being evaluated as part of the RI/FS.

8.2.1.3 Soil Gas/Indoor Air

Potential exposure pathways for soil gas include:

- Migration of hazardous substances from soil gas to indoor air
- Inhalation of hazardous substances in indoor air by workers.

8.3 Area-Specific Conceptual Site Model

This section combines all Site data that have been presented in this report to develop a list of those areas of the Site that pose the greatest threat to human health based on the location, extent, and

magnitude of soil, groundwater, and soil gas contamination at the Site. These areas of concern will be evaluated further in the FS to assess cleanup options. For consistency with the previous sections of this report, the discussion in this section is presented by investigation area. The discussion in this section is based on data provided on Figures 8b to 13 and Figures 16 to 17, and in Tables 10 to 24.

Note that with the possible exception of 1,4-dioxane in the deep aquifer groundwater (discussed in Section 8.3.5), none of these areas of concern pose a significant immediate threat to human health or the environment due to a current lack of a complete exposure pathway to receptors as evidenced by no current use of Site groundwater as drinking water, no discharge of Site groundwater to a surface water body, no known exposed contaminated surface soil, and an incomplete soil gas to indoor air pathway based on extensive indoor air testing in Site buildings (some of which have since been demolished). Future exposure risks could arise at the Site from exposure to contaminated soil or soil gas during subsurface construction activities, exposure to newly exposed contaminated soil following Site construction, development of a potable water supply from Site groundwater, or development of the Site with buildings that allow soil gas to enter the building.

8.3.1 Building C-19

Two areas of concern exist in the Building C-19 investigation area that require cleanup actions and will be further evaluated in the FS:

- Chlorinated solvent contamination in shallow soil and perched groundwater associated with the Building C-19 former vapor degreaser
- Chlorinated solvent contamination in shallow soil and perched groundwater in a small plume located northeast of Building C-19.

These areas of concern are discussed further in the subsections below.

8.3.1.1 Building C-19 Vapor Degreaser Chlorinated Solvent Contamination

Investigations conducted beneath and in the immediate vicinity of the former vapor degreaser indicate the presence of shallow soil contamination immediately below the former vapor degreaser extending to a depth of at least 48 ft bgs. Perched groundwater contamination extends radially outward from the former vapor degreaser with the highest levels of contamination (140,000 µg/L TCE measured in 1999 and 20,000 µg/L in the same well in 2024) measured near the former vapor degreaser (see Figure 8f). Building C-19 is currently being used for various commercial and light industrial activities that may pose challenges for implementing an aggressive remedial action around the former vapor degreaser. Indoor air assessments conducted in Building C-19 did not identify any immediate threat to building occupants associated with the soil gas to indoor air exposure pathway. As discussed further in Section 8.3.5, chlorinated solvents released from the former vapor degreaser no longer appear to be a source of contamination to the deep aquifer.

8.3.1.2 Northeast of Building C-19 Chlorinated Solvent Contamination

Unlike the contamination around the former vapor degreaser, the small plume located to the northeast of Building C-19 beneath Runway 34 and a drive lane lacks a distinct source area, although soil samples

from RISB-103 located immediately north of the plume boundary yielded two soil samples (16-17 and 39-40 ft bgs) that contained 3,800 and 3,500 µg/kg of TCE, respectively, well above the TCE pCUL of 25 µg/kg. Interestingly, a groundwater sample from this same boring was non-detect for TCE. A small likelihood exists that the contamination associated with the small plume is related to a release of TCE at the former vapor degreaser or the Building C-20 complex. The maximum chlorinated solvent concentration measured within this plume is 890 µg/L TCE at RISB-58. Additional investigation to fully define the nature and extent of chlorinated solvent releases in this area will be conducted during interim action and/or remedial action design phases.

8.3.2 Building C-20, C-21, C-22 Complex

Two areas of concern exist in the Building C-20 complex investigation area that require cleanup actions and will be further evaluated in the FS:

- Chlorinated solvent contamination in shallow soil and groundwater in the Building C-20 complex
- Petroleum contamination in shallow soil and groundwater in the Building C-20 complex.

Note that the Building C-20 complex trench drain discharge point is not included as an area of concern for evaluation in the FS based on the data generated from boring RISB-202, as discussed in Table 25.

These areas of concern are discussed further in the subsections below.

8.3.2.1 Building C-20 Complex Shallow Soil and Groundwater Chlorinated Solvent Contamination

An extensive number of soil borings, monitoring wells, and soil gas probes have been installed beneath the footprint of the Building C-20, C-21, C-22 complex to evaluate soil and groundwater conditions (Figure 9a). (Note: Buildings C-20, C-21, and C-22 have been demolished and only the building slabs currently remain.) These investigations have revealed low to moderate levels (relative to levels found in the former Building C-27 area) of chlorinated solvent, namely TCE, contamination in shallow soil and perched groundwater beneath the entire C-20 complex footprint with the highest levels centered near the middle of the complex and decreasing levels toward the edges of the complex (see Figure 12). The TCE plume emanating from the complex extends to the south to encompass much of the northern half of Building C-19. The exact release mechanism of solvents from the Building C-20 complex is not known; however, the highest concentrations in both soil and groundwater are in an area where an undeveloped area of the Site existed in a 1980 aerial photograph and that same area is later (as shown in a 1990 aerial photograph) occupied by Building C-22.

The highest concentrations of TCE contamination in soil overlap closely with the highest concentrations of TCE contamination in groundwater (compare Figures 9c and 9f) with the highest concentrations centered around borings RISB-13 (40,000 µg/kg TCE at 10 to 11 ft bgs) and RISB-21 (9,500 µg/kg TCE at 12.5 to 13.5 ft bgs). An isolated TCE hotspot (maximum concentration 4,400 µg/kg TCE at 9 to 10 ft bgs) exists near the northeast corner of the complex at boring RISB-15. The TCE-contaminated soil is mostly confined to the upper 20 ft of the soil column. TCE breakdown products cis-1,2-DCE and VC were also detected in many of the same soil samples with TCE, often at concentrations above pCULs.

The highest concentrations of TCE contamination in groundwater were detected in monitoring well RIGW-100 (2,500 µg/L) followed closely by borings RISB-13 (2,100 µg/L) and RISB-15 (2,000 µg/L). RIGW-100 is located 15 ft from RISB-13 and screened from 10 to 20 ft bgs. The groundwater sample from the isolated hotspot at RISB-15 also contained 2,000 µg/L TCE. TCE breakdown products cis-1,2-DCE and VC were present in all samples where TCE was detected at concentrations above the TCE pCUL, sometimes at concentrations higher than the TCE concentration. This indicates that natural biological reductive dechlorination, potentially aided by the presence of petroleum hydrocarbons acting as an electron donor, is ongoing beneath the C-20 complex.

8.3.2.2 Building C-20 Complex Shallow Petroleum-Contaminated Soil and Groundwater

Analysis of soil samples from 28 different locations (35 samples total) within the Building C-20 complex identified only three locations (and three samples) that exceeded a gasoline-range TPH (TPH-G), diesel-range TPH (TPH-D), oil-range TPH (TPH-O), or TPH-D+O pCUL. Two of these locations, LAI-10 and RISB-28, are within 20 ft of each other near the middle of the complex (Figure 9b). The third location, RISB-22, is approximately 130 ft southwest of LAI-10 and RISB-28. The maximum concentration of TPH-O within the complex was measured at RISB-28 (7,300 mg/kg) at 0.7-1.7 ft bgs, which exceeded the pCUL of 2,000 mg/kg. Based on existing analytical data, as well as the limited occurrence of petroleum odors or elevated photoionization detector readings noted in soil boring logs for Building C-20 complex borings (Appendix F), the occurrence of TPH-contaminated soil beneath the complex appears to be limited with only two areas having been identified to date. The vertical extent of these petroleum releases also appears to be limited with detections above pCULs occurring only at depths less than 3 ft bgs. The shallow, isolated pockets of petroleum contamination are consistent with the incidental spill and subsequent releases to soil through cracks and/or joints in the concrete flooring, or potentially to the ground surface, since it is not known whether the area around RISB-22 was paved at the time of the suspected release.

The occurrence of petroleum-related pCUL exceedances in Building C-20 complex groundwater is more widespread than noted above for soil (Figure 9e). Thirteen different locations within the complex produced groundwater samples that exceeded a TPH-D, TPH-O, or TPH-D+O pCUL. The highest concentration was measured at RISB-28 with a TPH-O concentration of 6,000 µg/L compared to a pCUL of 500 µg/L. However, the sample collected from RISB-28 in March 2019 was not analyzed for TPH-D and TPH-O using silica-gel cleanup (SGC) because the use of SGC was not formally recognized by Ecology at the time.[7] The AO RI/FS work plan incorporated the use of SGC per Ecology's guidance document from 2023 (Ecology 2023). During AO RI field activities, significant reductions in TPH-D and TPH-O concentrations were reported for samples that were also analyzed using SGC (Table 15). In fact, at the four locations where SGC was performed on samples that had a TPH-related pCUL exceedance based on analysis without SGC, three of those locations (RIGW-101, RIGW-103, and RISB-105) yielded results below the pCUL with SGC. These data indicate that a large percentage of the petroleum appearing in

[7] Ecology allows SGC for groundwater TPH analysis (using the Northwest TPH extended-range diesel analytical method) to remove non-petroleum polar interferences, which can falsely increase TPH concentrations especially in weathered samples, provided specific protocols are followed. SGC is recommended when natural organic matter or polar metabolites skew results, but samples should be split and tested both with and without SGC.

Building C-20 complex groundwater data are non-petroleum polar compounds that should not be included in comparisons to petroleum-based pCULs.

8.3.3 Building C-23/C-23 Annex

Three areas of concern exist in the Building C-23/C-23 Annex investigation area that require cleanup actions and will be further evaluated in the FS:

- Chlorinated solvent contamination in shallow soil and perched groundwater centered beneath the eastern half of the Building C-23 Annex
- Petroleum hydrocarbon contamination in shallow soil samples from borings LAI-16 and RISB-53 located within the Machine Shop area of Building C-23
- Building C-23 Complex USTs.

These areas of concern are discussed further in the subsections below.

8.3.3.1 Building C-23 Annex Shallow Soil and Groundwater Chlorinated Solvent Contamination

The source of the contamination beneath the eastern half of Building C-23 Annex is unknown but is likely related to a release from activities conducted in the Building C-23 Annex. (Note: Building C-23 and the Building C-23 Annex have been demolished and only the building slabs currently remain.) The presence of much lower concentrations of TCE to the immediate west of Building C-23 in borings RISB-30 and RISB-31 suggest that this contamination is separate from a larger release/plume of chlorinated solvents in shallow soil and perched groundwater located to the west in the former Building C-27 area (see Figure 12). The highest concentrations of TCE and cis-1,2-DCE in groundwater beneath the Building C-23 Annex were detected in a sample from monitoring well RIGW-102 (120 µg/L TCE and 1,000 µg/L cis-1,2-DCE) and in boring RISB-107 (68 µg/L TCE and 1,700 µg/L cis-1,2-DCE). RISB-107 also had an elevated VC concentration (130 µg/L).

The highest concentrations of TCE and cis-1,2-DCE in soil beneath the C-23 Annex were detected under the northeastern portion of the building in boring RISB-108 (5,000 µg/kg TCE and 280 µg/kg cis-1,2-DCE at 29-30 ft bgs). An additional sample from the same boring at 49-50 ft bgs did not contain TCE or cis-1,2-DCE concentrations above pCULs. Elevated TCE and cis-1,2-DCE concentrations were also detected in soil samples from RISB-29 and RISB-51, located beneath the northeastern portion of the Building C-23 Annex, though at shallower depths (from 7.5 to 12 ft bgs). The highest concentration of chlorinated solvents in soil gas beneath Building C-23 Annex was detected in samples from LAI-13, RISG-207, and RISG-208, also located beneath the northeastern portion of the building. Collectively, the groundwater, soil, and soil gas data suggest the release likely occurred beneath the northeastern portion of the Building C-23 Annex, though impacts to the perched groundwater extend to the southeastern portion of the annex (i.e., at RISB-107).

Indoor air assessments conducted in the Building C-23 Annex in 2017 indicated that some vapor intrusion was likely occurring, but that contaminant concentrations in indoor air were, on average, less

than the applicable indoor air screening criteria. The building has since been demolished and the concrete slabs remain in place.

It is noted that elevated concentrations of TPH-D and TPH-O were also present in groundwater samples collected from borings located in the northeast corner of the Building C-23 Annex (RISB-29 and RISB-51; see Figure 10e). Samples from both of these borings had concentrations of 2,100 µg/L combined TPH-D and TPH-O compared to the pCUL of 500 µg/L. To characterize the presence of TPH in groundwater further within the northeast corner of the annex, groundwater samples were collected from borings RISB-107 and RISB-108 during the AO RI and analyzed for TPH-D and TPH-O with and without SGC. The analytical results exceeded the combined TPH-D and TPH-O pCUL in both of the samples that were not analyzed with SGC; however, the samples that were analyzed with SGC had TPH-D and TPH-O concentrations below the pCUL. These results indicate that most of the measured TPH in the RISB-107 and RISB-108 samples were related to natural organic material or polar metabolites and not to petroleum contamination.

8.3.3.2 Building C-23 Shallow Soil Petroleum Contamination

Soil samples from LAI-16 and RISB-53 were collected from beneath the floor of a former machine shop in Building C-23. The sample from LAI-16 was collected at a depth of 2.1 ft bgs and had a TPH-O concentration of 6,900 mg/kg (TPH-D was nondetect). The direct-push drilling method used at LAI-16 was unable to penetrate the dense soil to allow collection of a deeper sample. RISB-53, located approximately 10 ft east of LAI-16, was installed to characterize the vertical extent of contamination detected at LAI-16. The 2-3 ft bgs soil sample from RISB-53 had a TPH-O concentration of 2,100 mg/kg and the sample from 9-10 ft bgs was nondetect for TPH-O. Both samples from RISB-53 were nondetect for TPH-D. Soil samples collected at five nearby borings located on all sides, and within 25 to 75 ft, of LAI-16 and RISB-53 (RISB-32, RISB-34, RISB-35, RISB-36, and RISB-38) produced results that were all nondetect for TPH-O and TPH-D indicating that the TPH-O soil contamination is localized to the immediate area around LAI-16 and RISB-53. The nondetect result from 9-10 ft bgs at RISB-53 suggests that the contamination is limited to a relatively shallow depth, though additional data would be needed to confirm this characterization. The groundwater sample collected nearest to LAI-16 and RISB-53 was from RISB-32, which did not have petroleum constituents at concentrations above pCULs.

8.3.3.3 Building C-23/C-23 Annex USTs

Two USTs are present immediately outside the south wall of Building C-23, one near the southwest corner of Building C-23 and the other near the southeast corner, as shown on Figure 10a. The USTs are believed to be relatively small (probably less than 500 gallons) and were likely used to store heating oil. Three borings (LAI-05, RISB-109, and RISB-110) were installed within 20 ft of the southwest Building C-23 UST and one boring (RISB-203) was installed adjacent to the southeast Building C-23 UST. Soil and groundwater samples from these borings did not indicate the presence of contamination associated with the USTs. The two Building C-23 USTs will be evaluated during the FS; however, the evaluation is expected to be limited and will likely conclude that the USTs will be decommissioned in accordance with Chapter 173-360A WAC regulations.

8.3.4 Former Building C-29/East Fuel Farm and Former Building C-27

Three areas of concern exist in the former Building C-29/East Fuel Farm and former Building C-27 investigation area that require cleanup actions and will be further evaluated in the FS:

- Chlorinated solvent contamination in shallow soil and groundwater in the former Building C-27 footprint
- Former East Fuel Farm USTs
- 1,4-dioxane contamination in groundwater at the former East Fuel Farm.

These areas of concern are discussed further in the subsections below.

8.3.4.1 Former Building C-27 Shallow Soil and Groundwater Chlorinated Solvent Contamination

The former Building C-27 chlorinated solvent plume represents the largest and most heavily impacted plume at the Site. The center of the groundwater plume, as shown on Figure 12, is located immediately north of the former Building C-27 footprint. Based on historical photographs (circa 1952), this area appeared to be used for equipment or material storage associated with Building C-27. Very high concentrations of TCE in both shallow soil and perched groundwater beneath this area suggest that it was also the site of a TCE solvent release to the ground.

The TCE plume in the immediate area of former Building C-27, as shown on Figure 12, extends radially away from the suspected source area forming large concentric TCE concentration contours emanating in all directions from the source area. The most likely contaminant transport mechanism to produce such a distribution is vapor transport of TCE by gaseous diffusion and gaseous advection processes acting within unsaturated portions of the perched groundwater unit and subsequent dissolution of the TCE vapors into groundwater.[8] Such processes are known to produce rapid (relative to advective groundwater transport) lateral spreading of plumes when high vapor pressure compounds, such as TCE, are present. The presence of a low-permeability cover such as pavement limits the release of vapors to the atmosphere and may lead to increased lateral migration. Vapor transport is typically the dominant transport process at sites where groundwater flow velocities are limited due to low-permeability soils and/or discontinuous saturated zones, such as the case for the perched groundwater unit at the Site. Similar vapor transport processes are also likely responsible for the TCE distribution patterns that are shown on Figure 12 for the TCE plumes in the Building C-19, Building C-20 complex, and Building C-23/ C-23 Annex investigation areas.

The highest concentration of TCE in both soil and groundwater within the former Building C-27 plume was detected at boring RISB-45 located inside the 100,000 µg/L TCE concentration contour shown on Figure 12. This boring yielded a TCE concentration in soil of 230,000 µg/kg in a sample from 14 to 15 ft bgs and a concentration in groundwater of 340,000 µg/L in a sample from a temporary well screened from 15 to 20 ft bgs. The presence of pure-phase TCE as a dense non-aqueous phase liquid (DNAPL) is generally suspected when concentrations in groundwater exceed 10,000 to 11,000 µg/L based on the

[8] These processes are thoroughly described in Chapter 6 of Pankow and Cherry (1996).

1 percent of solubility rule of thumb (EPA 1992). (Note: This should not be interpreted to say that DNAPL is present wherever TCE is present above a concentration of 10,000 to 11,000 µg/L, only that DNAPL is likely present somewhere in the immediate vicinity of such high concentrations.) Based on this rule of thumb and the observed concentrations, TCE DNAPL is likely present within the former Building C-27 source area. TCE soil data, especially from borings RISB-45 and RISB-80, indicate that TCE concentrations rapidly decrease below about 25 to 30 ft bgs within the source area.

To the east, the plume extends to the western edge of the Building C-23/C-23 Annex and encompasses most of the former fuel farm. The plume dissipates rapidly to the north. To the west and south, the plume trends in a southwesterly direction beneath existing parking lots. The plume likely extends beneath a small portion of the southeast corner of the Hangar 1 building (see last bullet in Section 5.3.3 for a description of a shallow soil gas investigation completed beneath Hangar 1).

Several other chlorinated solvents were detected in the plume at elevated concentrations above pCULs including tetrachloroethene and TCE breakdown products cis-1,2-DCE and VC. Interestingly, the dominant chlorinated solvent beneath the former fuel farm is cis-1,2-DCE (see Figure 11f-2). This indicates that natural biological reductive dechlorination, potentially aided by the presence, or former presence, of petroleum hydrocarbons acting as an electron donor, is taking place or has taken place beneath the former fuel farm.

8.3.4.2 Former East Fuel Farm Underground Storage Tanks

As discussed in Section 2.4.5, up to three USTs are present in the former East Fuel Farm. These USTs are shown on Figure 11b-2. Soil and groundwater conditions have been investigated within the fuel farm since the 1990s through the installation and sampling of 10 soil borings and four monitoring wells. As shown on Figure 11b-2, detections of TPH-contaminated soil above pCULs have been relatively minor and are limited to detections at borings B-14 and B-22, which are both located adjacent to one or more of the existing USTs. Detections of TPH-contaminated groundwater within the fuel farm are more widespread, though concentrations are relatively low and not indicative of a major fuel release. Free-phase floating petroleum product has not been observed in fuel farm monitoring wells.

As was discussed for the two USTs at the Building C-23/C-23 Annex, the fuel farm USTs will be evaluated during the FS, however, the evaluation is expected to be limited and will likely conclude that the USTs will be decommissioned in accordance with Chapter 173-360A WAC regulations.

8.3.4.3 Former East Fuel Farm 1,4-Dioxane Groundwater Contamination

Review of Site groundwater data (as of March 2026) from the Building C-19, Building C-20 complex, Building C-23/C-23 Annex, and Building C-29/East Fuel Farm and former Building C-27 investigation areas indicate that of the 41 different locations in which perched groundwater was sampled and analyzed for 1,4-dioxane, just under half (18) yielded at least one 1,4-dioxane concentration above the pCUL of 0.44 µg/L. As a persistent chlorinated solvent stabilizer, its presence at the Site is not unexpected based on the presence of TCE and other chlorinated solvents across the Site.

By far, the greatest concentration of 1,4-dioxane at the Site was detected in groundwater samples collected from in and around the former East Fuel Farm. The three highest concentrations identified at the Site were detected at MW-1 (190 µg/L), MW-2 (27 µg/L), and MW-3 (21 µg/L), all located within the footprint of the former fuel farm. The connection between 1,4-dioxane and the former fuel farm is not known and the anomalous data raise questions about the validity and/or representativeness of the data. For example, 1,4-dioxane was utilized as a stabilizing solvent or component within polyvinyl chloride (PVC) primers and solvent glues; therefore, the elevated concentrations may be related to the use of these primers or glues in the construction of MW-1, MW-2, and MW-3 (though the 1994 report [AGI 1994] indicates that the wells were constructed using threaded connections of PVC pipe such that solvents and glues would not have been used). However, 1,4-dioxane was primarily used as a stabilizer for chlorinated solvents, mostly 1,1,1-trichloroethane (TCA), and was mixed with other chlorinated solvents including TCE for industrial cleaning such that a connection to those known Site contaminants is a strong possibility. Additional evaluation may be needed to better understand the source of the elevated 1,4-dioxane levels in former fuel farm groundwater.

8.3.5 Deep Aquifer

Two areas of concern exist in the deep aquifer investigation area that require cleanup actions and will be further evaluated in the FS:

- Chlorinated solvent contamination in deep aquifer groundwater near RIDW-8
- 1,4-dioxane contamination in deep aquifer groundwater.

These areas of concern are discussed further in the subsections below.

8.3.5.1 Chlorinated Solvent Contamination in Deep Aquifer

RIDW-8 was installed in 2024 as a replacement well for deep aquifer monitoring well DW2 (decommissioned) to determine if DW2 well construction contributed to the migration of chlorinated solvents into the deep aquifer, as was determined to be the case at DW1 located south of Building C-19 (see discussion in Table 25). Comparison of post-decommissioning RIDW-8 groundwater data to DW2 data indicates that cross-contamination between the perched groundwater unit and the deep aquifer did not occur at DW2 or occurred to a much lesser degree compared to DW1. Additional monitoring data from RIDW-8 will provide more conclusive evidence to assess cross-contamination at DW2; however, the existing data indicate that some migration of chlorinated solvents from the perched groundwater unit through the till to the deep aquifer has likely occurred. Several chlorinated solvent constituents including 1,1,2-TCA, 1,2-DCA, and cis-1,2-DCE (but not TCE) were detected at concentrations above pCULs in samples from nearby deep aquifer monitoring well RIDW-4 as well. These results are not unexpected given that both RIDW-4 and RIDW-8 are located immediately downgradient of the chlorinated solvent source area associated with former Building C-27 where the highest concentrations of chlorinated solvents in soil and groundwater at the Site were detected. The highest chlorinated solvent concentration measured in the deep aquifer is 42 µg/L 1,1,2-TCA from RIDW-8.

With the exception of 1,2-DCA, all chlorinated solvent concentrations in deep aquifer groundwater decreased to below pCULs at downgradient deep aquifer monitoring wells RIDW-5 and RIDW-6. The pCUL for 1,2-DCA (0.48 µg/L) was slightly exceeded with 1,2-DCA concentrations at RIDW-5 and RIDW-6 ranging from 0.56 to 0.88 µg/L.

Chlorinated solvents in deep aquifer groundwater near RIDW-7/DW1 are not an area of concern at this time based on the pre- and post-DW1 decommissioning groundwater quality data from RIDW-7 and DW1 discussed in Table 25. In addition, none of the three deep aquifer monitoring wells located immediately downgradient of RIDW-7/DW1 (RIDW-2, RIDW-3, and DW3) had concentrations of a chlorinated solvent above their respective pCUL.

8.3.5.2 1,4-Dioxane Contamination in Deep Aquifer

As groundwater in the deep aquifer moves from south to north across the Site, 1,4-dioxane was first detected in wells RIDW-4 and RIDW-8 and these detections continued to downgradient wells RIDW-5 and RIDW-6. The 1,4-dioxane pCUL (0.44 µg/L) was exceeded in each of these wells with the maximum concentration measured in RIDW-4 at 9.8 µg/L. The 1,4-dioxane concentrations decreased as groundwater moves to the downgradient wells with the highest concentration measured in the two downgradient wells at 1.6 µg/L. 1,4-Dioxane was not detected in the five deep aquifer monitoring wells located south of RIDW-4 and RIDW-8. Similar to the chlorinated solvent discussion in Section 8.3.5.1, the existing data suggest that some migration of 1,4-dioxane from the perched groundwater unit through the till to the deep aquifer has likely occurred. It is noted that the highest 1,4-dioxane concentrations in the perched groundwater unit (190 µg/L) occurred at MW1 located adjacent to RIDW-8.

9.0 USE OF THIS REPORT

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

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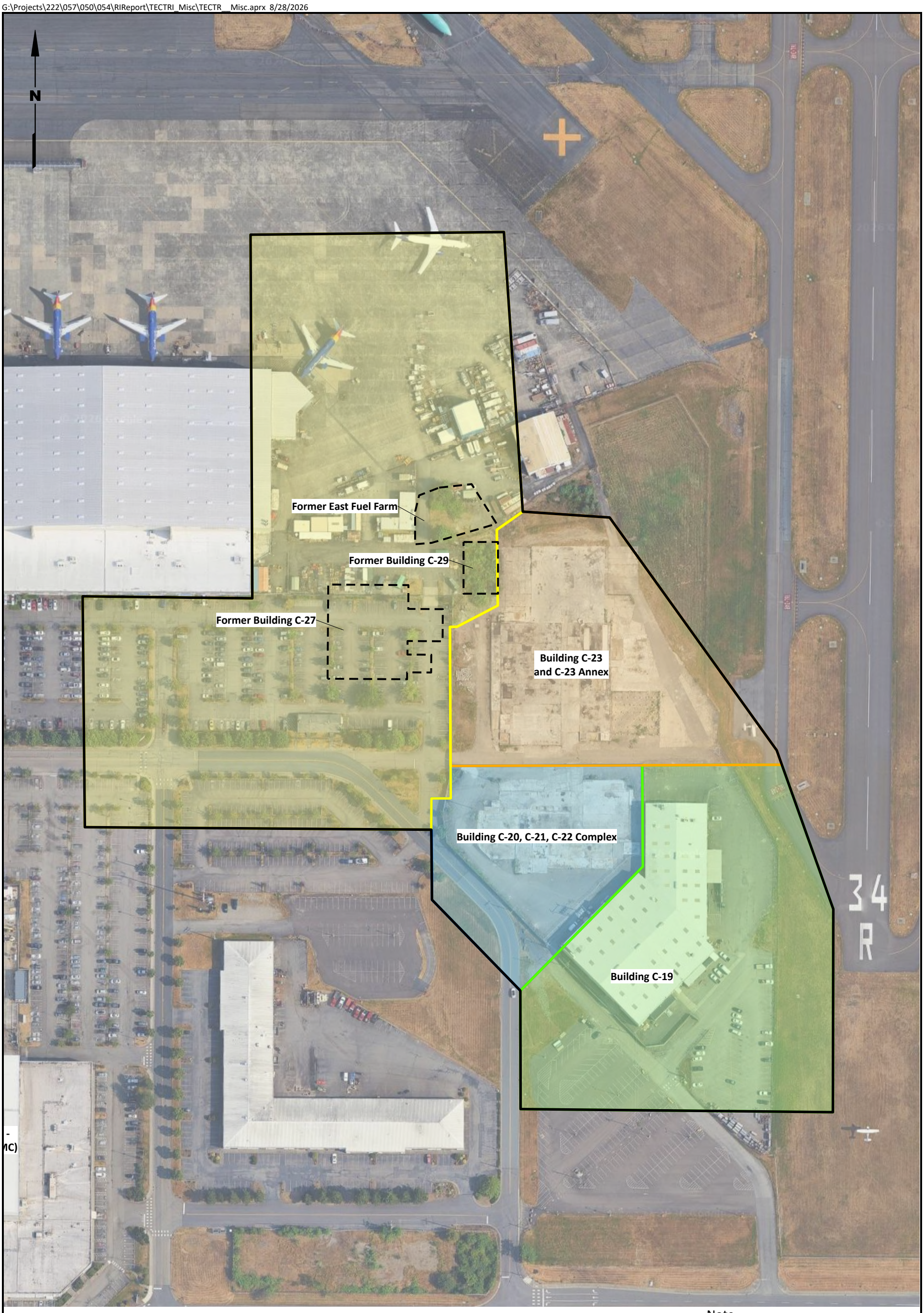
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TECT Aerospace Everett, Washington	**Vicinity Map**	Figure 1

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Legend

Approximate Site Boundary

Investigation Areas

- Building C-19
- Building C-20, C-21, C-22
- Building C-23 and C-23 Annex
- Former Building C-29/ Former East Fuel Farm

0 150 300

Scale in Feet

Data Source: Google Earth Pro.

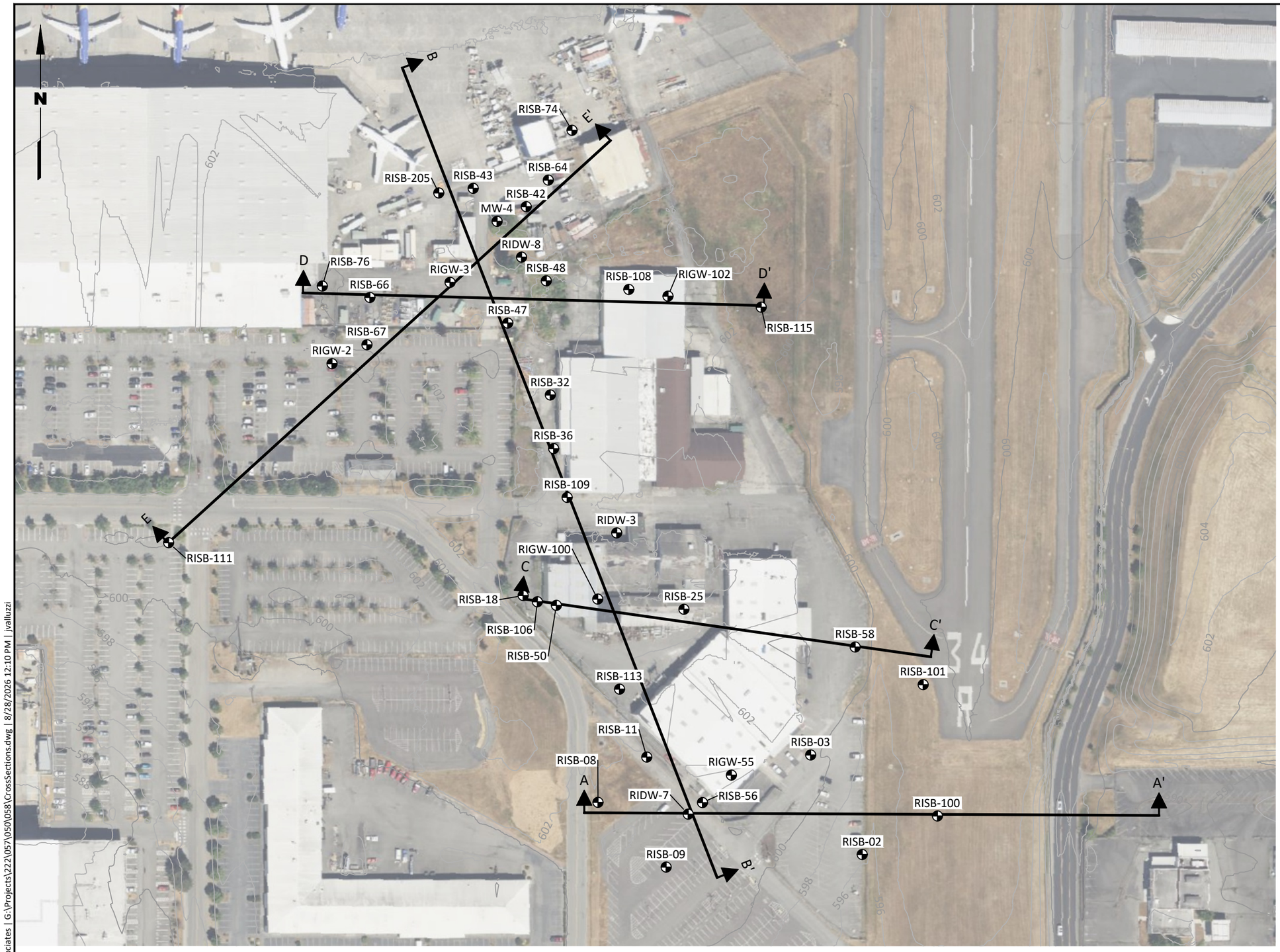
Note

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

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TECT Aerospace Everett, Washington	**Investigation Areas and Building Locations**	Figure 2



Legend

RISB-100 Well Location

A A' Cross Section Location

600 Existing Ground Contour (LIDAR North Puget 2017)

Note

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

0 150 300

Scale in Feet

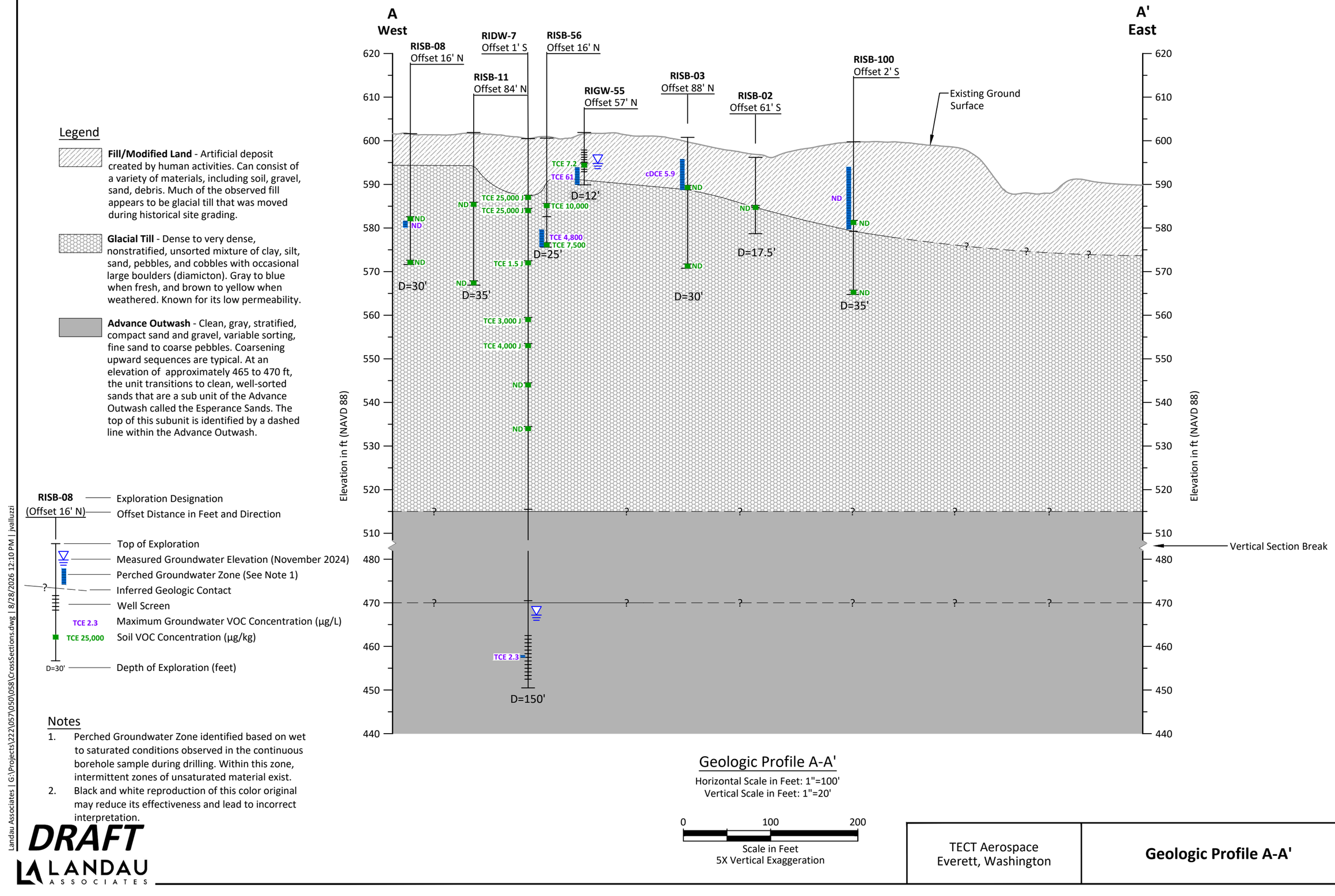
Source: Bing Aerial Imagery, 2024

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TECT Aerospace Everett, Washington	**Geologic Transect Locations**	Figure 3



Legend

Fill/Modified Land - Artificial deposit created by human activities. Can consist of a variety of materials, including soil, gravel, sand, debris. Much of the observed fill appears to be glacial till that was moved during historical site grading.

Glacial Till - Dense to very dense, nonstratified, unsorted mixture of clay, silt, sand, pebbles, and cobbles with occasional large boulders (diamicton). Gray to blue when fresh, and brown to yellow when weathered. Known for its low permeability.

Advance Outwash - Clean, gray, stratified, compact sand and gravel, variable sorting, fine sand to coarse pebbles. Coarsening upward sequences are typical. At an elevation of approximately 465 to 470 ft, the unit transitions to clean, well-sorted sands that are a sub unit of the Advance Outwash called the Esperance Sands. The top of this subunit is identified by a dashed line within the Advance Outwash.

- RISB-08 — Exploration Designation
- (Offset 16' N) — Offset Distance in Feet and Direction
- Top of Exploration
- Measured Groundwater Elevation (November 2024)
- Perched Groundwater Zone (See Note 1)
- Inferred Geologic Contact
- Well Screen
- TCE 2.3 — Maximum Groundwater VOC Concentration (µg/L)
- TCE 25,000 — Soil VOC Concentration (µg/kg)
- D=30' — Depth of Exploration (feet)

Notes

1. Perched Groundwater Zone identified based on wet to saturated conditions observed in the continuous borehole sample during drilling. Within this zone, intermittent zones of unsaturated material exist.
2. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Geologic Profile A-A'

Horizontal Scale in Feet: 1"=100'
Vertical Scale in Feet: 1"=20'

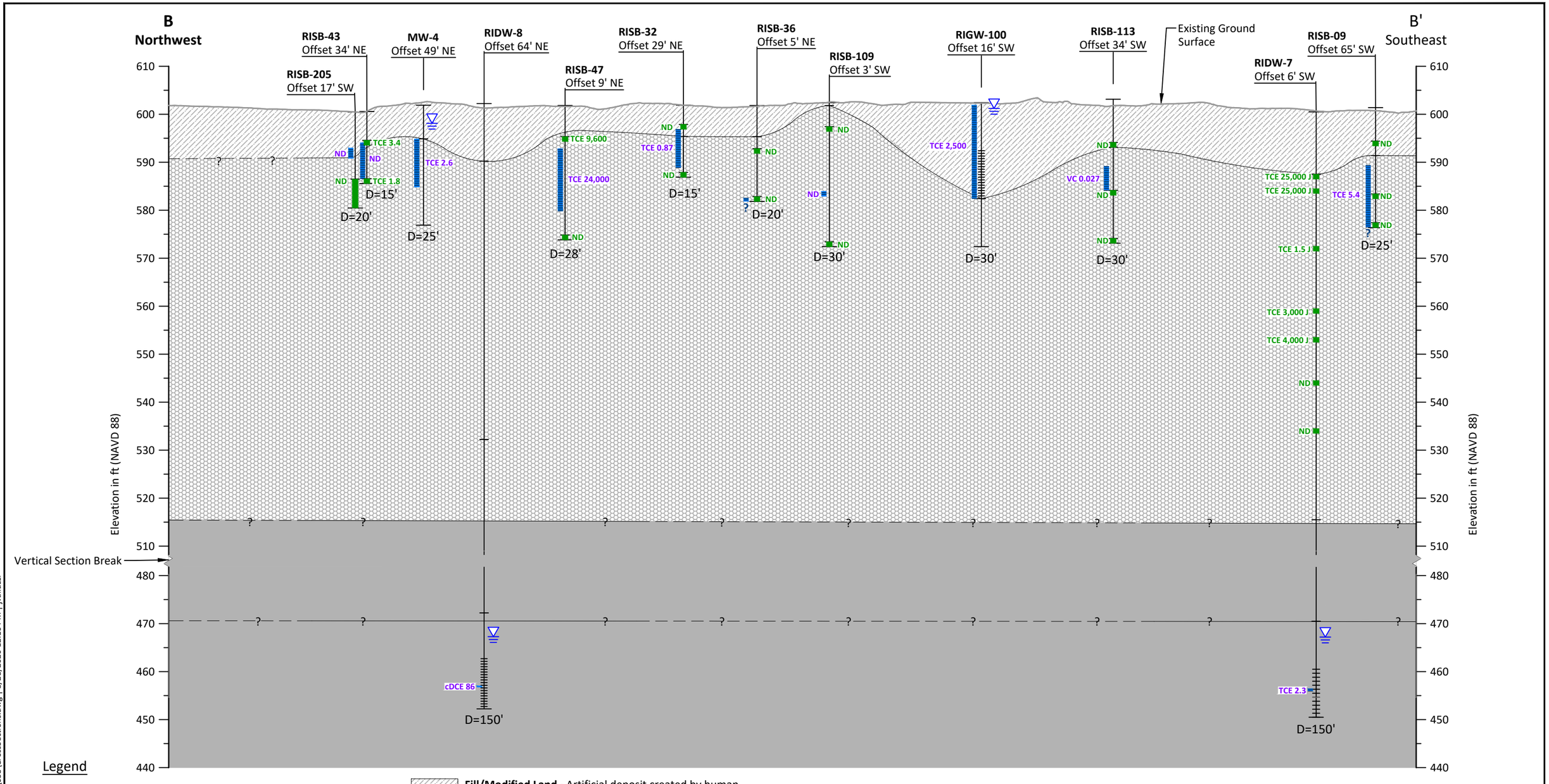
0 100 200
Scale in Feet
5X Vertical Exaggeration

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TECT Aerospace Everett, Washington	**Geologic Profile A-A'**	Figure 3a

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Legend

- **RISB-32** — Exploration Designation
- (Offset 29' N) — Offset Distance in Feet and Direction
- Top of Exploration
- Measured Groundwater Elevation (November 2024)
- Perched Groundwater Zone (See Note 1)
- Inferred Geologic Contact
- Well Screen
- TCE 2.3 — Maximum Groundwater VOC Concentration (µg/L)
- TCE 25,000 — Soil VOC Concentration (µg/kg)
- D=30' — Depth of Exploration (feet)

Fill/Modified Land - Artificial deposit created by human activities. Can consist of a variety of materials, including soil, gravel, sand, debris. Much of the observed fill appears to be glacial till that was moved during historical site grading.

Glacial Till - Dense to very dense, nonstratified, unsorted mixture of clay, silt, sand, pebbles, and cobbles with occasional large boulders (diamicton). Gray to blue when fresh, and brown to yellow when weathered. Known for its low permeability.

Advance Outwash - Clean, gray, stratified, compact sand and gravel, variable sorting, fine sand to coarse pebbles. Coarsening upward sequences are typical. At an elevation of approximately 465 to 470 ft, the unit transitions to clean, well-sorted sands that are a sub unit of the Advance Outwash called the Esperance Sands. The top of this subunit is identified by a dashed line within the Advance Outwash.

Geologic Profile B-B'

Horizontal Scale in Feet: 1"=100'
Vertical Scale in Feet: 1"=20'

0 100 200
Scale in Feet
5X Vertical Exaggeration

Notes

1. Perched Groundwater Zone identified based on wet to saturated conditions observed in the continuous borehole sample during drilling. Within this zone, intermittent zones of unsaturated material exist.
2. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

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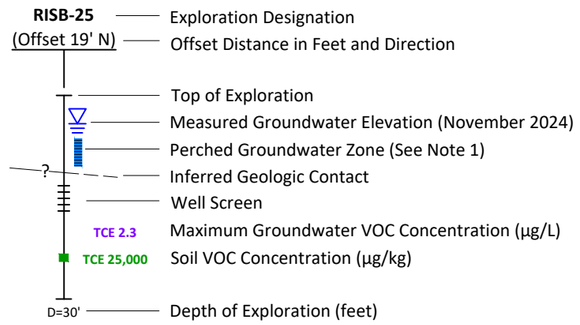
TECT Aerospace Everett, Washington	**Geologic Profile B-B'**	Figure 3b

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Legend

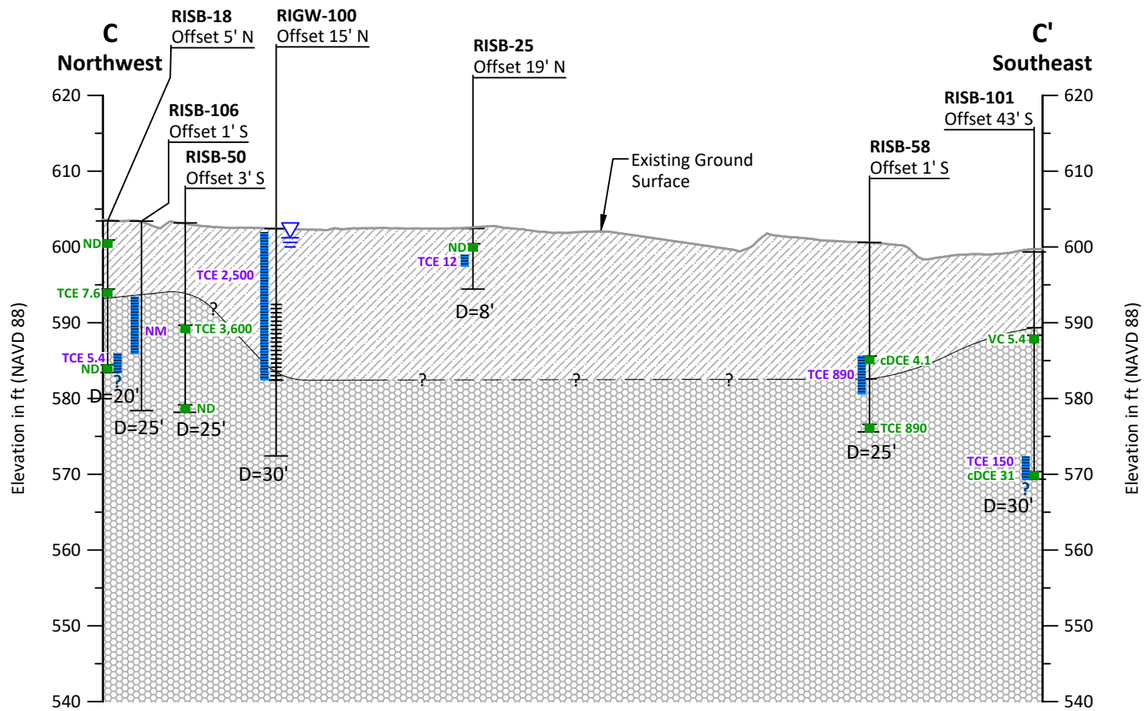
Fill/Modified Land - Artificial deposit created by human activities. Can consist of a variety of materials, including soil, gravel, sand, debris. Much of the observed fill appears to be glacial till that was moved during historical site grading.

Glacial Till - Dense to very dense, nonstratified, unsorted mixture of clay, silt, sand, pebbles, and cobbles with occasional large boulders (diamicton). Gray to blue when fresh, and brown to yellow when weathered. Known for its low permeability.



Notes

1. Perched Groundwater Zone identified based on wet to saturated conditions observed in the continuous borehole sample during drilling. Within this zone, intermittent zones of unsaturated material exist.
2. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.



Geologic Profile C-C'

Horizontal Scale in Feet: 1"=100'
Vertical Scale in Feet: 1"=20'

0 100 200

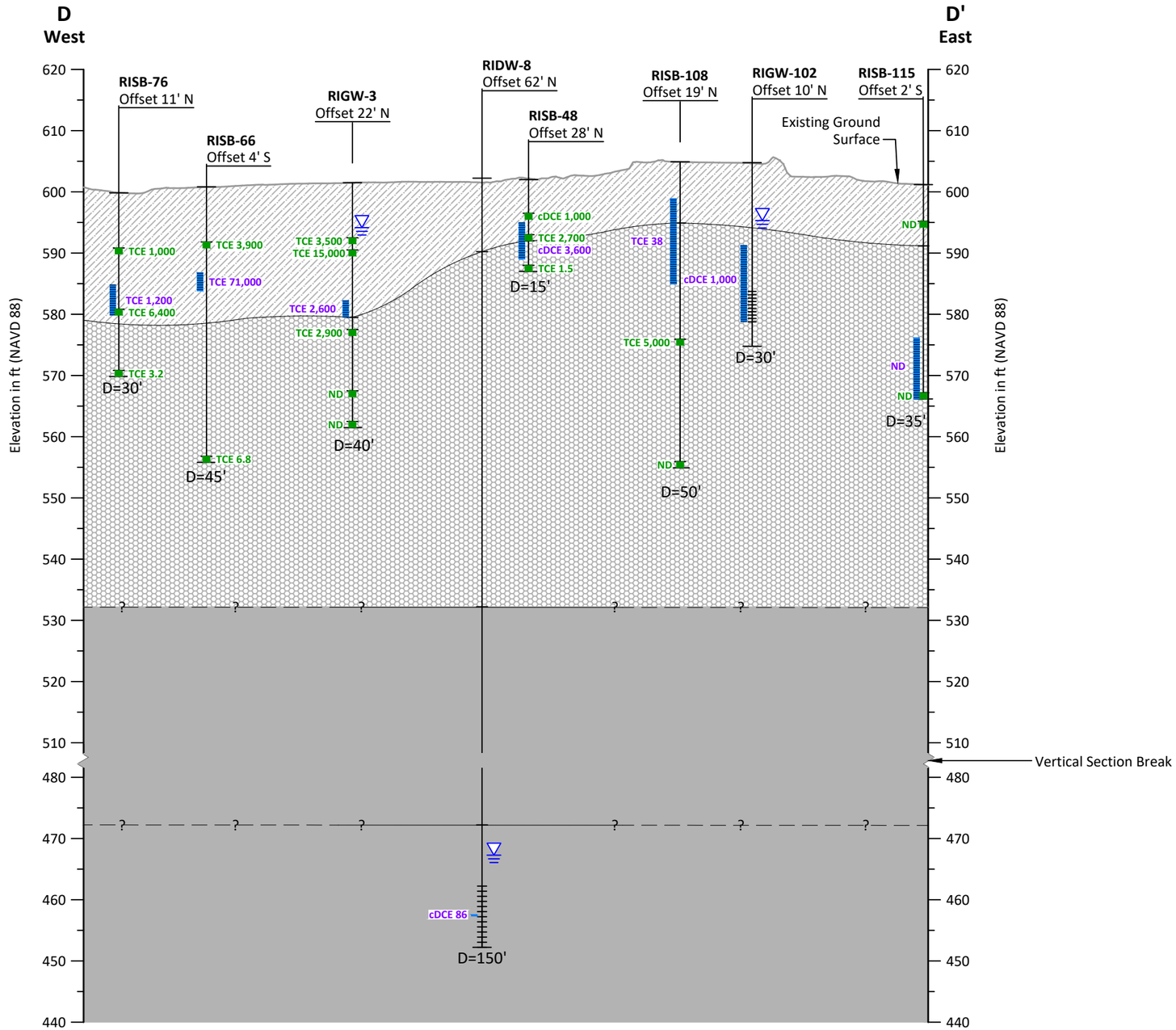
Scale in Feet
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TECT Aerospace Everett, Washington	**Geologic Profile C-C'**	Figure 3c

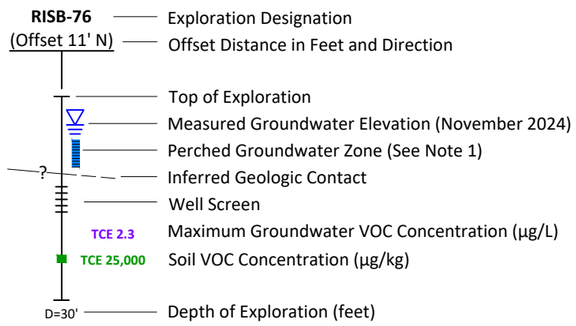


Legend

Fill/Modified Land - Artificial deposit created by human activities. Can consist of a variety of materials, including soil, gravel, sand, debris. Much of the observed fill appears to be glacial till that was moved during historical site grading.

Glacial Till - Dense to very dense, nonstratified, unsorted mixture of clay, silt, sand, pebbles, and cobbles with occasional large boulders (diamicton). Gray to blue when fresh, and brown to yellow when weathered. Known for its low permeability.

Advance Outwash - Clean, gray, stratified, compact sand and gravel, variable sorting, fine sand to coarse pebbles. Coarsening upward sequences are typical. At an elevation of approximately 465 to 470 ft, the unit transitions to clean, well-sorted sands that are a sub unit of the Advance Outwash called the Esperance Sands. The top of this subunit is identified by a dashed line within the Advance Outwash.



Notes

1. Perched Groundwater Zone identified based on wet to saturated conditions observed in the continuous borehole sample during drilling. Within this zone, intermittent zones of unsaturated material exist.
2. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Geologic Profile D-D'

Horizontal Scale in Feet: 1"=100'
Vertical Scale in Feet: 1"=20'

0 100 200

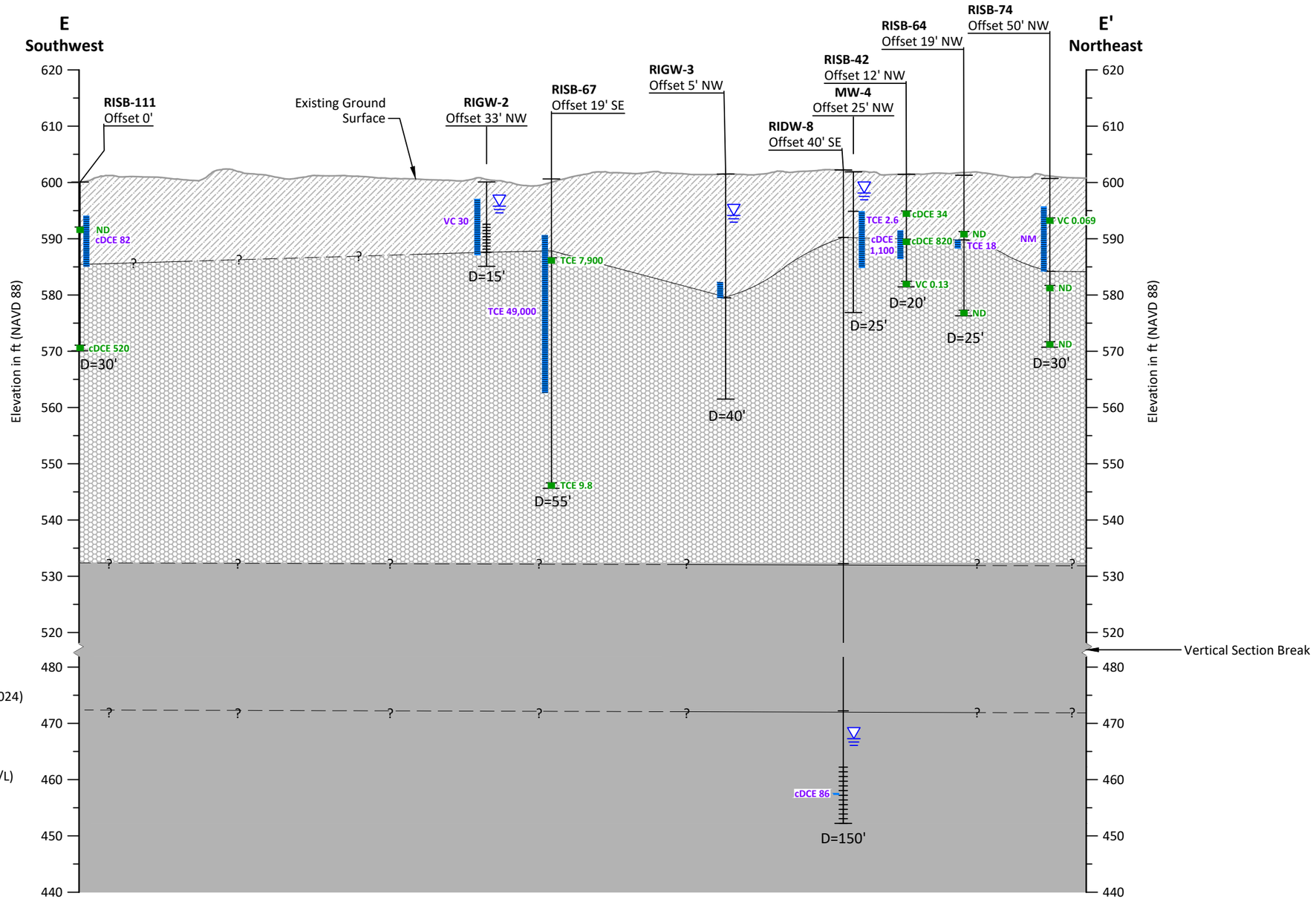
Scale in Feet
5X Vertical Exaggeration

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TECT Aerospace Everett, Washington	**Geologic Profile D-D'**	Figure 3d

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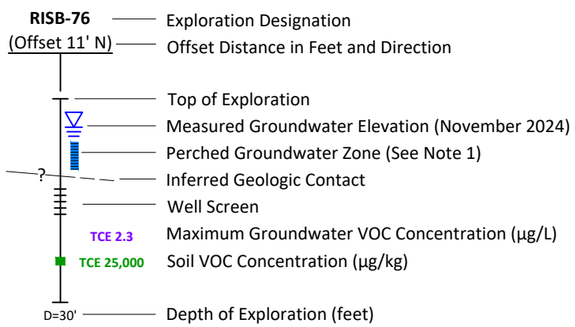


Legend

Fill/Modified Land - Artificial deposit created by human activities. Can consist of a variety of materials, including soil, gravel, sand, debris. Much of the observed fill appears to be glacial till that was moved during historical site grading.

Glacial Till - Dense to very dense, nonstratified, unsorted mixture of clay, silt, sand, pebbles, and cobbles with occasional large boulders (diamicton). Gray to blue when fresh, and brown to yellow when weathered. Known for its low permeability.

Advance Outwash - Clean, gray, stratified, compact sand and gravel, variable sorting, fine sand to coarse pebbles. Coarsening upward sequences are typical. At an elevation of approximately 465 to 470 ft, the unit transitions to clean, well-sorted sands that are a sub unit of the Advance Outwash called the Esperance Sands. The top of this subunit is identified by a dashed line within the Advance Outwash.



Notes

1. Perched Groundwater Zone identified based on wet to saturated conditions observed in the continuous borehole sample during drilling. Within this zone, intermittent zones of unsaturated material exist.
2. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Geologic Profile E-E'

Horizontal Scale in Feet: 1"=100'
Vertical Scale in Feet: 1"=20'

0 100 200
Scale in Feet
5X Vertical Exaggeration

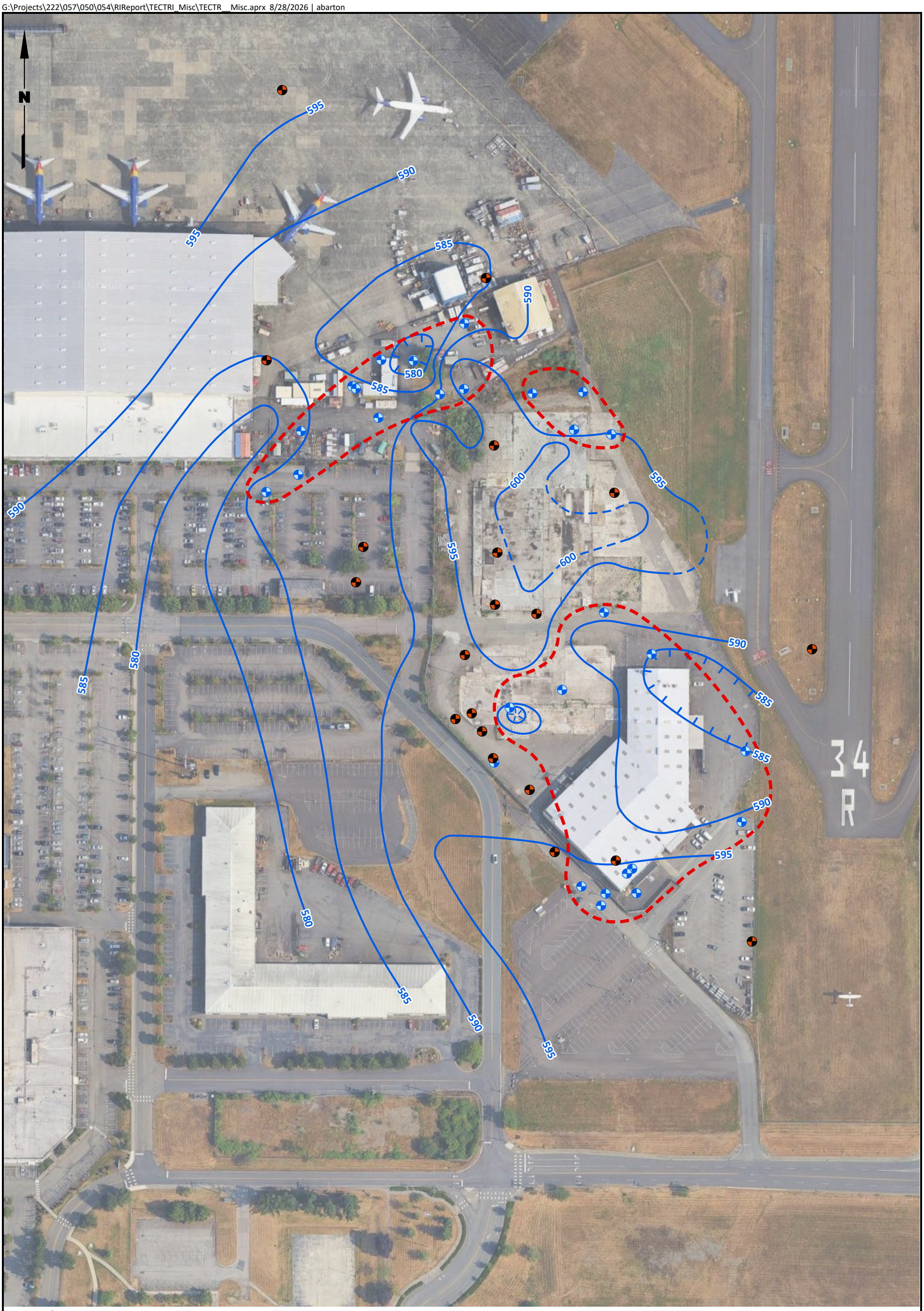
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TECT Aerospace Everett, Washington	**Geologic Profile E-E'**	Figure 3e

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Legend

- Sampling or Boring Location - Dry
- Sampling or Boring Location - Water Bearing
- Glacial Till Surface Contours (5-ft)
- Seasonally Continuous Water Bearing Zones

0 150 300

Scale in Feet

Data Source: King County GIS.

Note

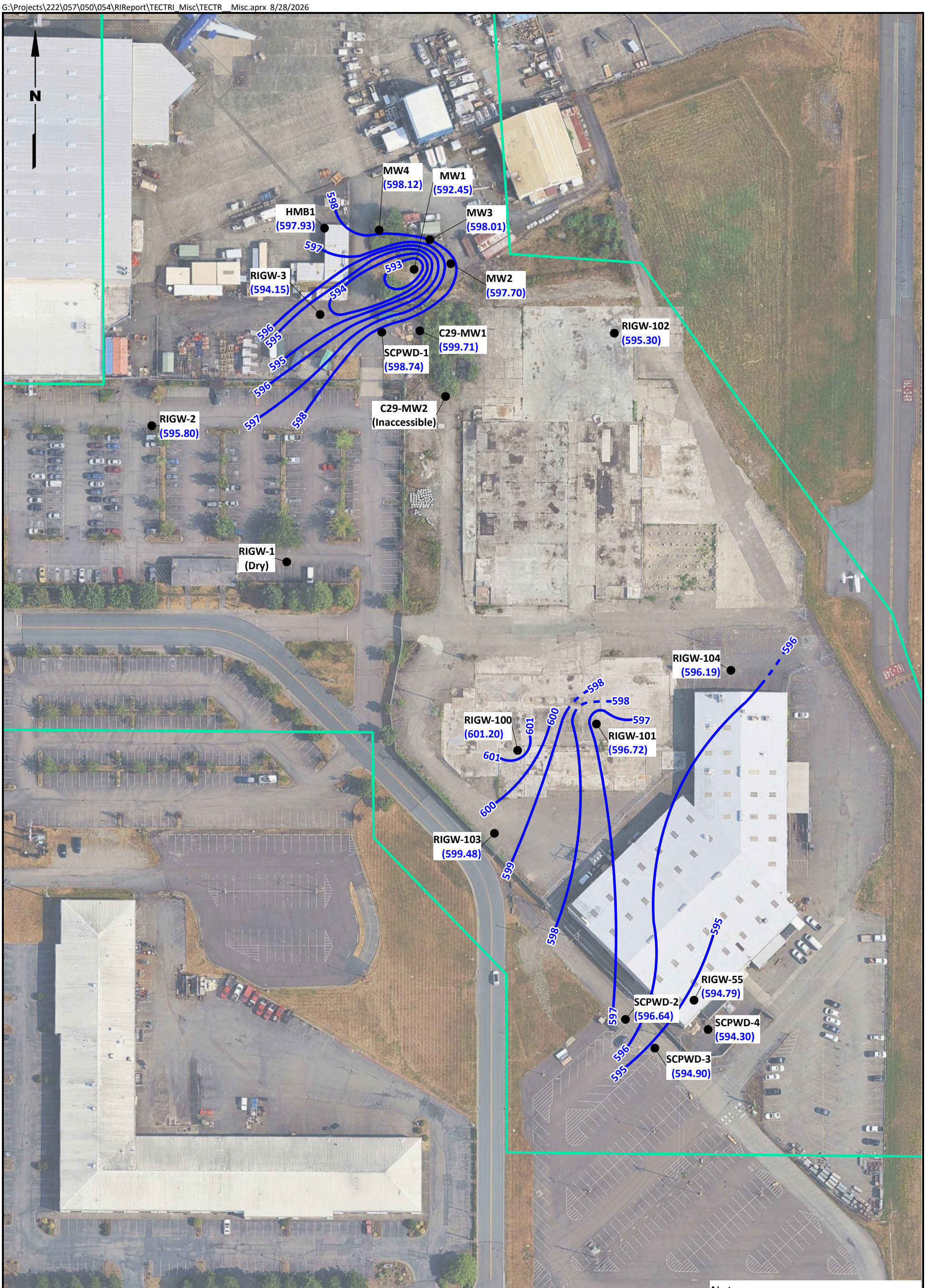
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TECT Aerospace Everett, Washington	**Dry Season Water-Bearing Zones - Perched Groundwater**	Figure 4

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Legend

- Shallow Aquifer Monitoring Well
- Groundwater Elevation Contours (NAVD88)
- Approximate Site Boundary

0 100 200

Scale in Feet

Data Sources: AGI 1999; Landau Associates 2006; Google Earth Pro.

Notes

1. Horizontal datum: Washington State Plane Coordinate System of 1983, North Zone, NAD83-2011 EPOCH 2010.00.
2. Vertical datum: NAVD88.
3. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

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TECT Aerospace Everett, Washington	**November 2024** **Perched Groundwater Elevation Contours**	Figure 5

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Legend

- Shallow Monitoring Well
- Deep Monitoring Well
- Boeing-Owned Deep Monitoring Well (for Groundwater Elevations Only)
- Decommissioned Monitoring Well

0 250 500

Scale in Feet

Note

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

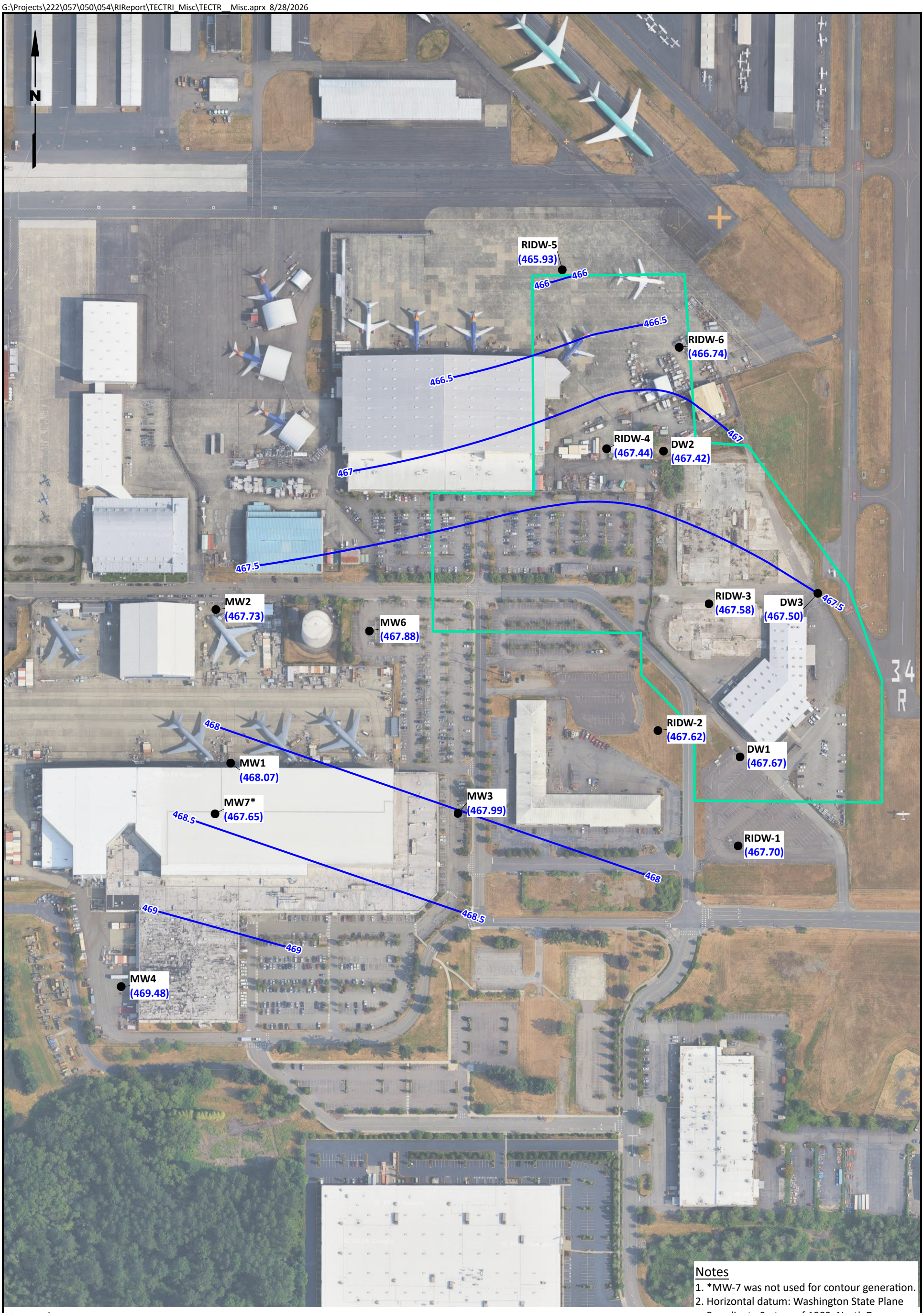
Data Source: Google Earth Pro.

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TECT Aerospace Everett, Washington	**Monitoring Well Network**	Figure 6

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Legend

- Deep Aquifer Monitoring Well
- Groundwater Elevation Contours (NAVD88)
- Approximate Site Boundary

0 250 500

Scale in Feet

Data Sources: AGI 1999; Landau Associates 2006; Google Earth Pro.

Notes

1. *MW-7 was not used for contour generation.
2. Horizontal datum: Washington State Plane Coordinate System of 1983, North Zone, NAD83-2011 EPOCH 2010.00.
3. Vertical datum: NAVD88.
4. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

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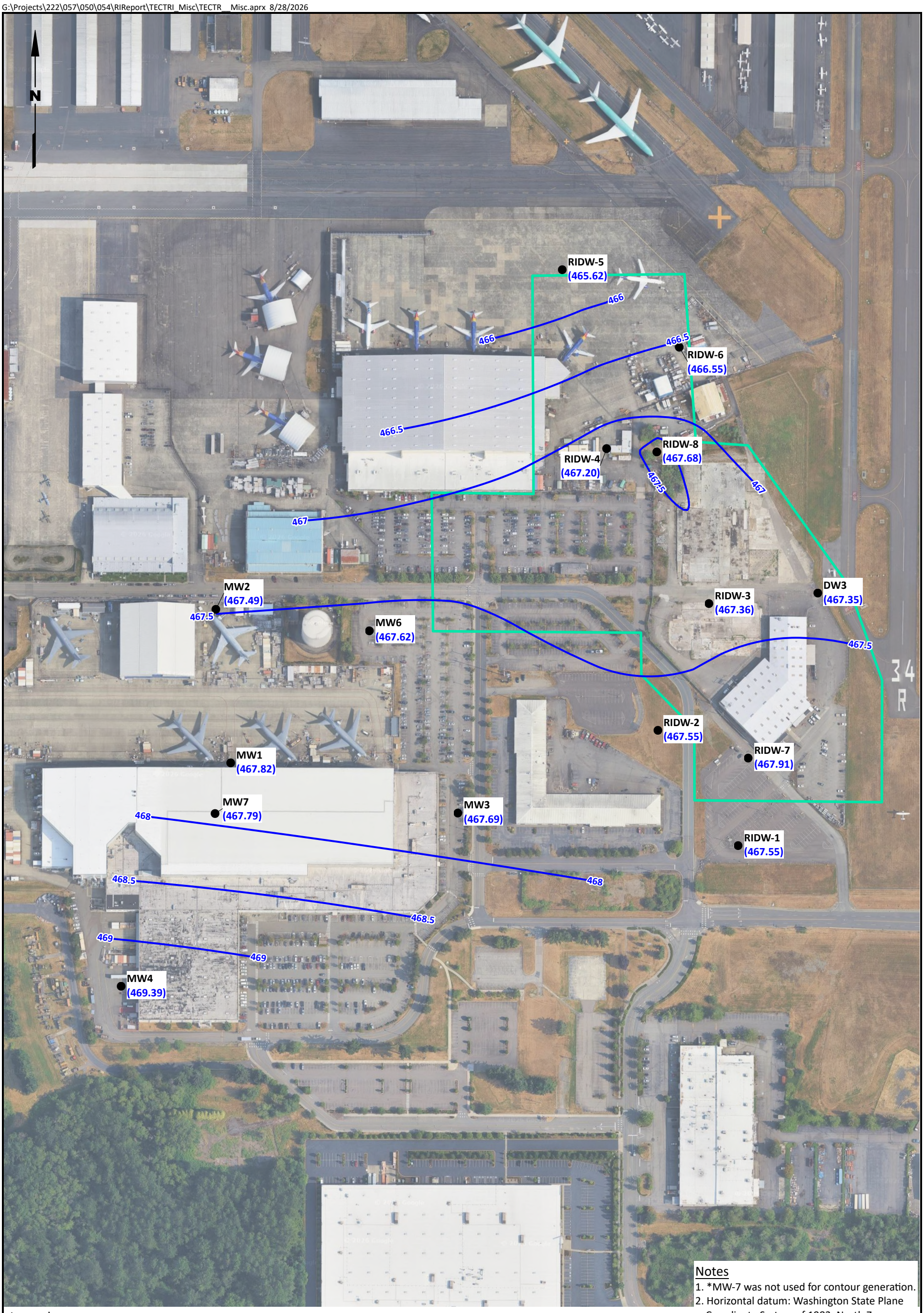
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TECT Aerospace
Everett, Washington

February 2024
Groundwater Elevation Contours - Deep Aquifer

Figure
7a

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Legend

- Deep Aquifer Monitoring Well
- Groundwater Elevation Contours (NAVD88)
- Approximate Site Boundary

0 250 500

Scale in Feet

Data Sources: AGI 1999; Landau Associates 2006; Google Earth Pro.

Notes

1. *MW-7 was not used for contour generation.
2. Horizontal datum: Washington State Plane Coordinate System of 1983, North Zone, NAD83-2011 EPOCH 2010.00.
3. Vertical datum: NAVD88.
4. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

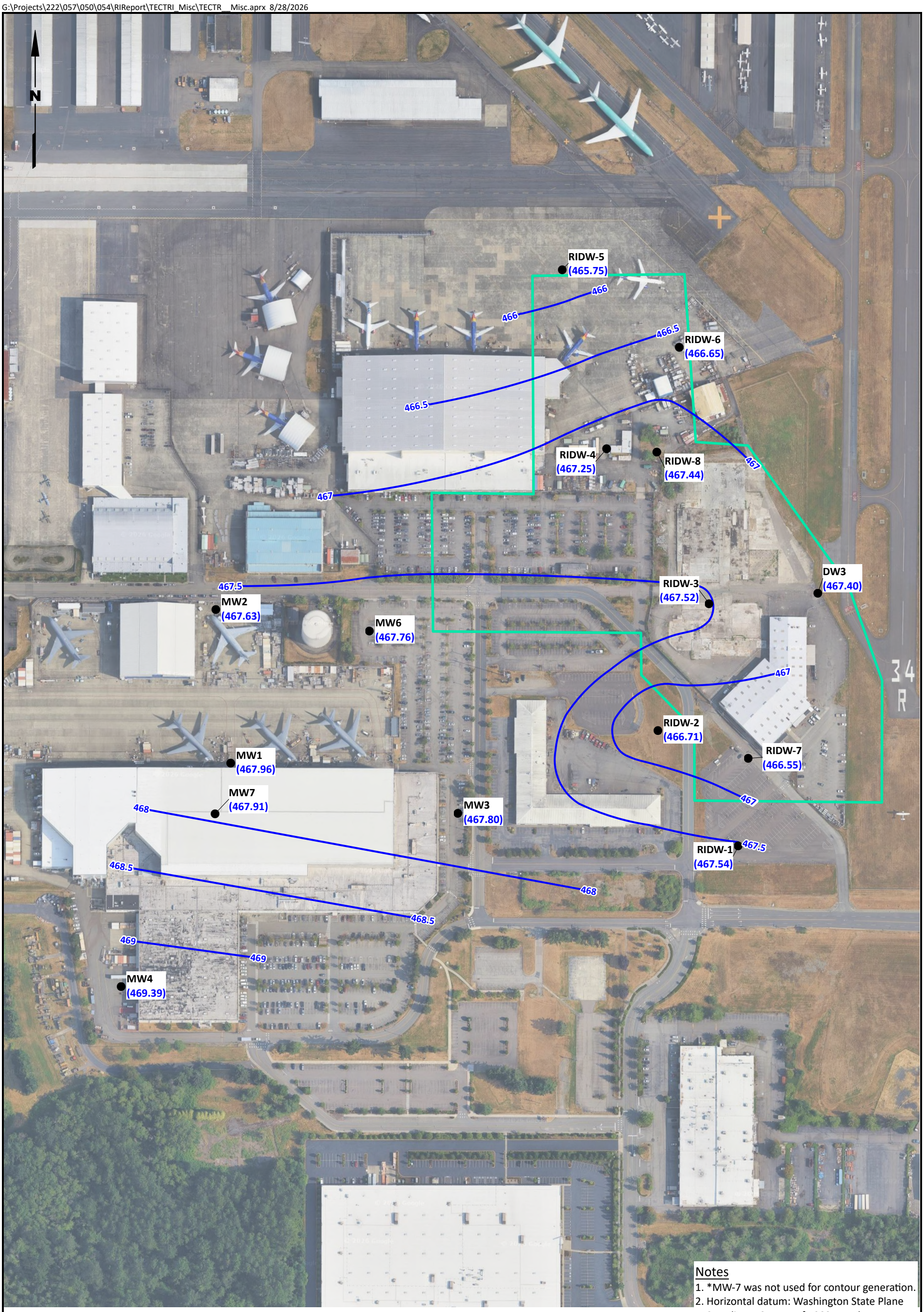
LANDAU ASSOCIATES **DRAFT**

TECT Aerospace
Everett, Washington

June 2024
Groundwater Elevation Contours - Deep Aquifer

Figure
7b

G:\Projects\222\057\050\054\RIReport\TECTRI_Misc\TECTR__Misc.aprx 8/28/2026



Legend

- Deep Aquifer Monitoring Well
- Groundwater Elevation Contours (NAVD88)
- Approximate Site Boundary

0 250 500

Scale in Feet

Data Sources: AGI 1999; Landau Associates 2006; Google Earth Pro.

Notes

1. *MW-7 was not used for contour generation.
2. Horizontal datum: Washington State Plane Coordinate System of 1983, North Zone, NAD83-2011 EPOCH 2010.00.
3. Vertical datum: NAVD88.
4. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

LANDAU ASSOCIATES

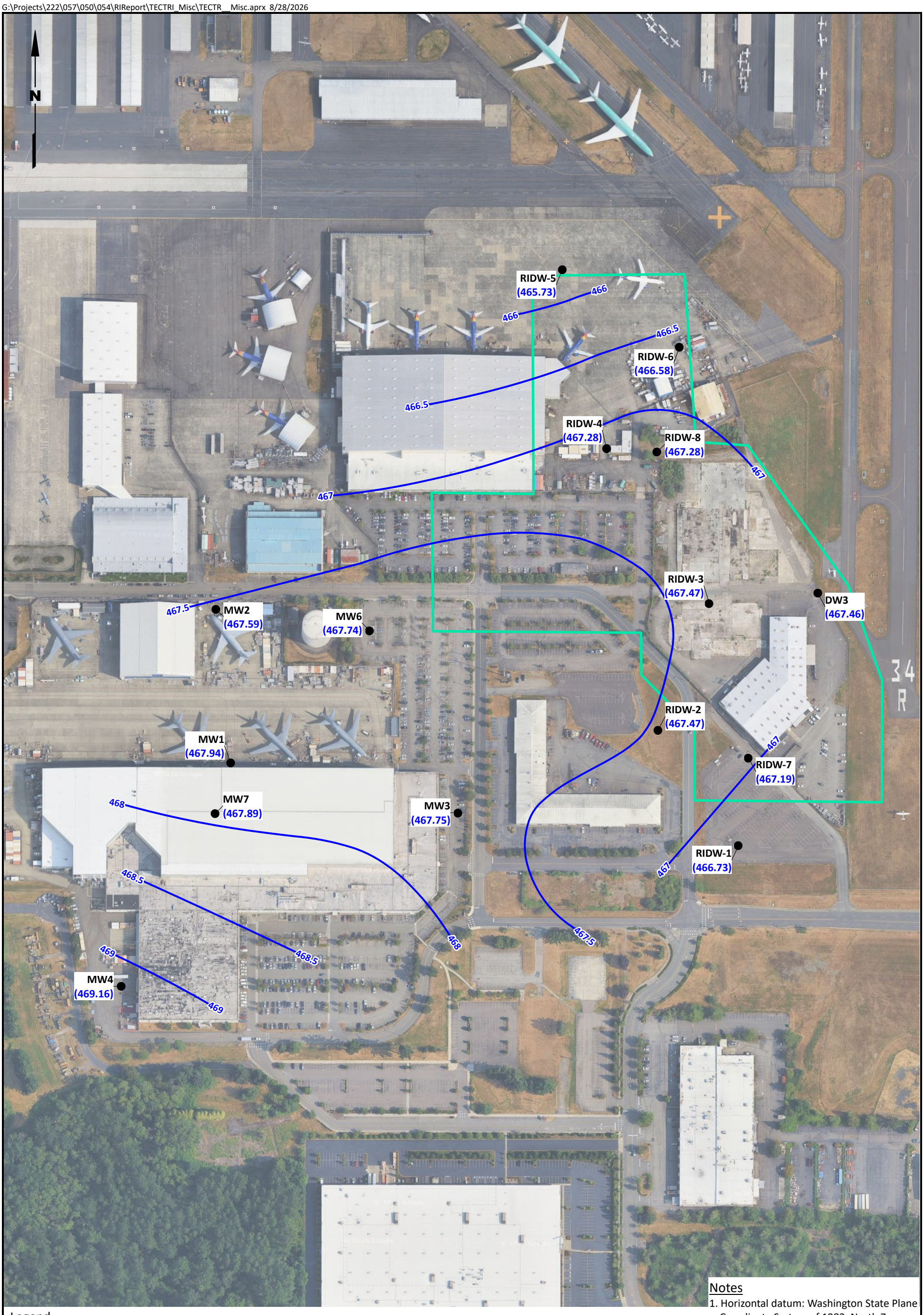
DRAFT

TECT Aerospace
Everett, Washington

August 2024
Groundwater Elevation Contours - Deep Aquifer

Figure
7C

G:\Projects\222\057\050\054\RIReport\TECTRI_Misc\TECTR__Misc.aprx 8/28/2026



Legend

- Deep Aquifer Monitoring Well
- Groundwater Elevation Contours (NAVD88)
- Approximate Site Boundary

0 250 500

Scale in Feet

Data Sources: AGI 1999; Landau Associates 2006; Google Earth Pro.

Notes

1. Horizontal datum: Washington State Plane Coordinate System of 1983, North Zone, NAD83-2011 EPOCH 2010.00.
2. Vertical datum: NAVD88.
3. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

LANDAU ASSOCIATES

DRAFT

TECT Aerospace
Everett, Washington

November 2024
Groundwater Elevation Contours - Deep Aquifer

Figure
7d

G:\Projects\222\057\050\054\RIReport\TECTRI_C19\TECTRI_C19.aprx 8/7/2026

RISB-110
LAI-05
RISB-59
RISB-203
RISB-60
RISB-114
RISB-202
DW3
RISB-15
RISB-14
LAI-21
RIDW-3
LAI-08
RIGW-104
RISB-102
LAI-22
C-21
LAI-19
RISB-27
C-22
RISB-28
RIGW-101
RISB-71
RISB-26
LAI-20
LAI-10
LAI-27
LAI-09
RISB-103
RISB-13
RIGW-100
RISB-24
RISB-25
C-20
RISB-201
RISB-23
LAI-26
RISG-203
RISB-58
RISB-22
RIGW-103
RISB-07
C-19
RISG-205
RISB-101
RISB-70
RISB-113
RISB-06
RISB-69
RISB-05
RISB-57
RISB-04
RISB-03
RISB-11
GP2
GP1
RISB-54
RIGW-55
RISB-55
Former Degreaser Pit and Sump
C19-TP2
GP20
GP17
GP13
SCPWD-2
RISB-08
RISB-56
SCPWD-4
RISB-100
DW1
SCPWD-3
See Inset Below
GP15
GP3
RIDW-7
GP12
GP19
GP18
GP4
RISB-02
GP5
RISB-09
RISB-10
GP14
RISB-01
GP16
GP11
GP6
GP7
GP10
RIDW-1
GP8
GP9



Legend

- Monitoring Well Location
- Decommissioned Deep Aquifer Well Location
- Groundwater Sampling Location
- Soil Boring Location
- Soil and Soil Gas Sampling Location
- Soil Gas Sampling Location
- Test Pit
- Soil and Groundwater Sampling Location
- Soil, Soil Gas, and Groundwater Sampling Location
- Building C-19 Investigation Area
- Previous Remedial Action Areas
- Inactive, Removed, or Suspected UST Footprint

DRAFT

0 70 140
Scale in Feet

Note

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

Data Sources: AGI 1999; Landau Associates 2006; Google Earth Pro.

LANDAU ASSOCIATES

TECT Aerospace
Everett, Washington

Building C-19
Investigation Locations

Figure
8a

G:\Projects\222\057\050\054\RIReport\TECTRI_C19\TECTRI_C19.aprx 8/7/2026

RISB-110 RISB-59 RISB-203 RISB-60 RISB-114 RISB-202 LAI-05 DW3 RISB-15 RISB-14 RIDW-3 LAI-08 LAI-21 RIGW-104 RISB-102 LAI-22 C-21 LAI-19 RISB-27 RIGW-101 C-22 RISB-28 RISB-26 RISB-71 RISB-13 LAI-20 LAI-10 LAI-27 LAI-09 RIGW-100 RISB-24 RISB-103 RISB-201 RISB-25 C-20 RISB-23 RISG-203 LAI-26 RISB-22 RISB-07 RIGW-103 C-19 RISG-205 RISB-101 RISB-70 RISB-113 RISB-69 RISB-05 RISB-57 RISB-11 RISB-04 RISB-03 RISB-54 RISB-55 GP2 GP1 RIGW-55 Former Degreaser Pit and Sump C19-TP2 RISB-08 GP20 SCPWD-2 GP17 GP13 RIDW-7 SCPWD-4 RISB-100 DW1 GP12 GP15 GP3 SCPWD-3 See Inset Below RISB-56 GP19 GP18 GP4 RISB-01 RISB-02 GP5 GP14 GP16 RISB-09 RISB-10 GP11 GP6 GP7 GP10 RIDW-1 GP8 GP9

RISB-58

7-8	ND	--
24-25	ND	--

RISB-06

2-3	--	DRO + ORO 247

RISB-05

2-3	--	ND

RISB-57

7.5-8.5	ND	--
21.5-22.5	ND	--

RISB-11

16-17	ND	--
34-35	ND	--

RISB-04

2-3	ND	ND

RISB-03

2-3	--	ND

RISB-54

8-9	ND	--

RISB-55

7-8	ND	--

RISB-08

19-20	ND	--
29-30	ND	--

RISB-56

15-16	ND	--
24-25	ND	--

RISB-01

9-10	ND	--
16-17	ND	--

RISB-02

11-12	ND	--

RISB-09

7-8	ND	--
18-19	ND	--
24-25	ND	--

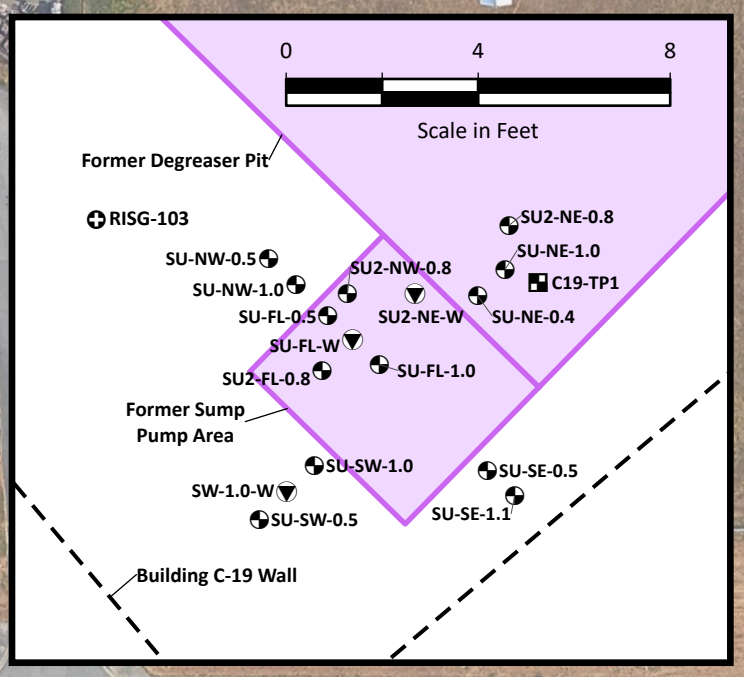
RISB-10

7-8	ND	--
23-24	ND	--
34-35	ND	--

N

0 70 140

Scale in Feet



Legend

Color Coding Key

- Concentration Exceeded Site pCUL for One or More Analytes
- One or More Analytes were Detected, but did not Exceed Site pCUL
- Analysis was Conducted, but Results were not detected above Laboratory Reporting Limits
- Sample from this Location Not Analyzed

Sampling Locations

- Monitoring Well Location
- Soil Boring Location
- Groundwater Sampling Location
- Soil Gas Sampling Location
- Soil and Groundwater Sampling Location
- Soil, Soil Gas, and Groundwater Sampling Location
- Soil and Soil Gas Sampling Location
- Test Pit

- Building C-19 Investigation Area
- Previous Remedial Action Areas

Sampling Location		
Screen Depth (ft, BGS)	Benzene Concentration (µg/kg)	Max. TPH-G, or Total TPH-D and TPH-O Conc. (mg/kg)

Notes

1. Where more than one constituent was detected or exceeded Site pCUL, the constituent with the highest concentration is shown.
2. pCULs for TPH-G are 30 mg/kg with benzene present and 100 mg/kg without benzene present.
3. pCUL for TPH-D and TPH-O are 2,000 mg/kg, separate or combined.
4. pCUL for benzene is 27 µg/kg.
5. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Data Sources: AGI 1999; Landau Associates 2006; Google Earth Pro.

DRAFT

LANDAU ASSOCIATES

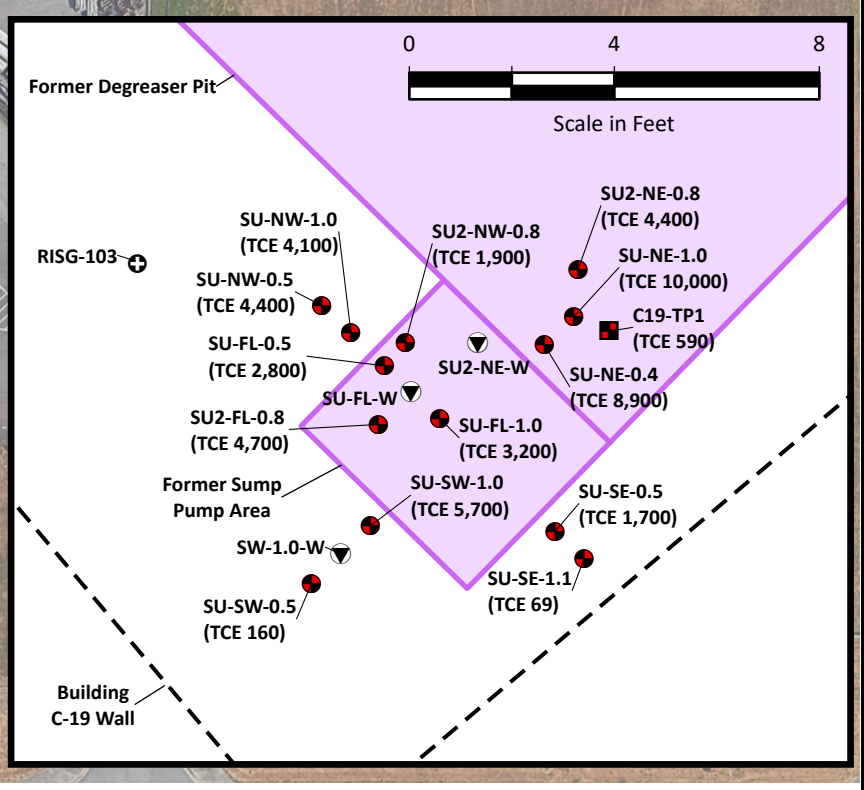
TECT Aerospace
Everett, Washington

Building C-19
Benzene and TPH in Soil

Figure
8b

G:\Projects\222\057\050\054\RIReport\TECTRI_C19\TECTRI_C19.aprx 8/7/2026

RISB-110
LAI-05
RISB-59
RISB-203
RISB-60
RISB-114
RISB-202
DW3
RISB-102
13-14 ND
39-40 ND
N
RISB-15
RISB-14
RIDW-3
LAI-08
LAI-21
RIGW-104
LAI-22
C-21
LAI-19
RISB-27
RIGW-101
C-22
RISB-28
RISB-26
RISB-71
RISB-13
LAI-20
LAI-10
LAI-27
LAI-09
RIGW-100
RISB-24
RISB-25
C-20
RISB-103
16-17 TCE 3,800
39-40 TCE 3,500
RISB-201
3.5-4 ND
39-40 ND
RISB-58
15-16 cDCE 4.1
24-25 TCE 890
RISG-203
RISB-23
LAI-26
RISB-22
RISB-07
RIGW-103
C-19
RISB-101
11-12 VC 5.4
29-30 cDCE 31
RISB-06
19-21 TCE 2.6
RISG-205
RISB-69
9-10 ND
19-20 ND
29-30 ND
RISB-70
RISB-113
RISB-05
9.5-10.5 ND
RISB-57
7.5-8.5 ND
21.5-22.5 ND
RISB-04
2-3 ND
RISB-11
16-17 ND
34-35 ND
RISB-03
11-12 ND
29-30 ND
RISB-54
8-9 ND
RISB-55
7-8 TCE 7.2
GP2
GP1
RIGW-55
Former Degreaser Pit and Sump
RISB-08
19-20 ND
29-30 ND
C19-TP2
GP13
GP20
SCPWD-2
GP17
See Inset Below
SCPWD-4
DW1
GP12
GP15
GP3
RIDW-7
RISB-56
15-16 TCE 10,000
24-25 TCE 7,500
RISB-100
18-19 ND
34-35 ND
SCPWD-3
GP19
RISB-02
11-12 ND
GP4
GP18
RISB-01
9-10 ND
16-17 ND
GP5
GP14
GP16
RISB-09
7-8 ND
18-19 ND
24-25 ND
RISB-10
7-8 ND
23-24 ND
34 ND
GP11
GP6
GP7
GP10
RIDW-1
GP8
GP9



Legend

Color Coding Key

- Concentration Exceeded Site pCUL or One or More Analytes
- One or More Analytes were Detected, but did not Exceed Site pCUL
- Analysis was Conducted, but Results were not detected above Laboratory Reporting Limits
- Sample from this Location Not Analyzed

Sampling Locations

- Monitoring Well Location
- Soil Boring Location
- Groundwater Sampling Location
- Soil Gas Sampling Location
- Soil and Groundwater Sampling Location
- Soil and Soil Gas Sampling Location
- Soil, Soil Gas, and Groundwater Sampling Location
- Test Pit

Building C-19 Investigation Area

Sampling Location	
Screen Depth (ft, BGS)	Maximum PCE, TCE, cDCE, or VC Concentration (µg/kg)

Notes

1. Where more than one constituent was detected or exceeded Site pCUL, the constituent with the highest concentration is shown.
2. pCULs for PCE, TCE, cDCE, and VC are 50, 25, 79, and 1.7 µg/kg, respectively.
3. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Data Sources: AGI 1999; Landau Associates 2006; Google Earth Pro.

DRAFT

LANDAU ASSOCIATES

0 70 140

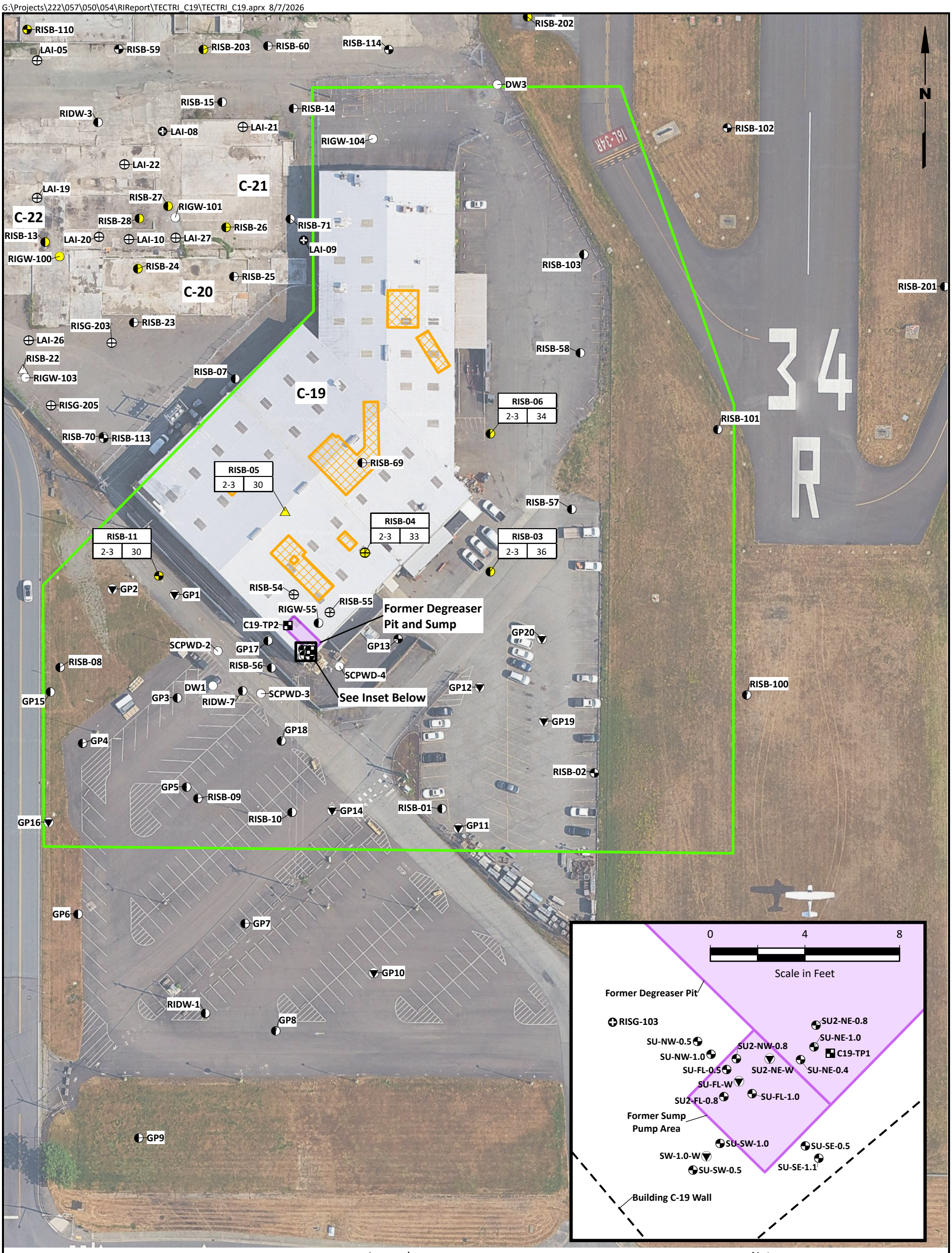
Scale in Feet

TECT Aerospace
Everett, Washington

Building C-19
VOCs in Soil

Figure
8c

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Legend

Color Coding Key

- Concentration Exceeded Site pCUL
- Analyte was Detected, but did not Exceed Site pCUL
- Analysis was Conducted, but Results were not detected above Laboratory Reporting Limits
- Sample from this Location Not Analyzed

Sampling Locations

- Monitoring Well Location
- Soil Boring Location
- Groundwater Sampling Location
- Soil Gas Sampling Location
- Soil and Groundwater Sampling Location
- Soil and Soil Gas Sampling Location
- Soil, Soil Gas, and Groundwater Sampling Location
- Test Pit

- Building C-19 Investigation Area
- Previous Remedial Action Areas

Notes

1. pCUL is 2,000 mg/kg for total chromium.
2. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Sampling Location	
Screen Depth (ft, BGS)	Total Chromium Concentration (mg/kg)

DRAFT

LANDAU ASSOCIATES

0 70 140

Scale in Feet

Data Sources: AGI 1999; Landau Associates 2006; Google Earth Pro.

TECT Aerospace
Everett, Washington

Building C-19
Metals in Soil

Figure
8d

G:\Projects\222\057\050\054\RIReport\TECTRI_C19\TECTRI_C19.aprx 8/7/2026

RISB-110 LAI-05 RISB-59 RISB-203 RISB-60 RISB-114 RISB-202 DW3 RISB-15 RISB-14 RIDW-3 LAI-08 LAI-21 LAI-22 LAI-19 RISB-27 RIGW-101 C-22 RISB-28 RISB-26 RISB-71 RISB-13 LAI-20 LAI-10 LAI-27 LAI-09 RIGW-100 RISB-24 RISB-25 C-20 RISB-23 RISG-203 LAI-26 RISB-22 RIGW-103 RISG-205 RISB-70 RISB-113 C-19 RISB-69 RISB-11 RISB-04 GP2 GP1 RISB-54 RISB-55 C19-TP2 GP13 GP20 GP17 RIDW-7 DW1 GP3 GP15 GP12 GP19 GP18 RISB-02 GP5 GP14 GP16 GP11 GP6 GP7 GP10 RIDW-1 GP8 GP9 C-21 RISB-201 RISB-102 N

RIGW-104

18-23	8/12/2024	ND	ND

RISB-103

7.5-12.5	5/31/2024	ND	--

RISB-07

10-15	3/28/2019	ND	DRO + ORO 620

RISB-58

15-20	9/3/2019	0.84	--

RISB-06

15-20	3/27/2019	ND	--

RISB-101

25-30	5/31/2024	ND	--

RISB-05

7.5-12.5	3/18/2019	ND	--

RISB-57

15-20	9/3/2019	ND	--

RISB-03

15-20	3/26/2019	ND	--

RIGW-55

4-9	8/12/2024	ND	ND

RISB-08

16-21	3/26/2019	ND	--

SCPWD-2

20-30	9/5/2019	ND	--

RISB-100

11-16	5/29/2024	ND	--

RISB-56

20-25	9/3/2019	ND	--

SCPWD-4

20-30	8/14/2024	0.59	--

SCPWD-3

20-30	8/14/2024	0.6	--

RISB-01

15-20	3/27/2019	ND	--

RISB-09

19-24	3/25/2019	0.74	--

RISB-10

14-19	3/25/2019	ND	--

Former Degreaser Pit and Sump

See Inset Below

Sampling Location			
Screen Depth (ft, BGS)	Date	Benzene Conc. (µg/L)	Max. TPH-G, -D, or -O Conc. (µg/L)

0 4 8

Scale in Feet

Former Degreaser Pit

RISG-103 SU2-NE-0.8 SU-NE-1.0 SU-NW-0.5 SU2-NW-0.8 C19-TP1 SU-NW-1.0 SU-FL-0.5 SU2-NE-W SU-NE-0.4 SU-FL-W SU-FL-1.0 SU2-FL-0.8 Former Sump Pump Area SU-SW-1.0 SU-SE-0.5 SW-1.0-W SU-SE-1.1 SU-SW-0.5 Building C-19 Wall

Legend

Color Coding Key

- Concentration Exceeded pCUL for One or More Analytes
- One or More Analytes were Detected, but did not Exceed Site pCUL
- Analysis was Conducted, but Results were not detected above Laboratory Reporting Limits
- Sample from this Location Not Analyzed

Sampling Locations

- Monitoring Well Location
- Soil Boring Location
- Groundwater Sampling Location
- Soil Gas Sampling Location
- Soil and Groundwater Sampling Location
- Soil and Soil Gas Sampling Location
- Soil, Soil Gas, and Groundwater Sampling Location
- Test Pit

- Building C-19 Investigation Area
- Previous Remedial Action Areas

Notes

1. Where more than one constituent was detected or exceeded Site pCUL, the constituent with the highest concentration is shown.
2. pCUL for TPH-G is 800 µg/L with benzene present and 1,000 µg/L without benzene present.
3. pCUL for TPH-D and TPH-O are 500 µg/L, separate or combined.
4. pCUL for benzene is 1.6 µg/L.
5. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

DRAFT

LANDAU ASSOCIATES

0 70 140

Scale in Feet

Data Sources: AGI 1999; Landau Associates 2006; Google Earth Pro.

TECT Aerospace
Everett, Washington

Building C-19
TPH and Benzene in Groundwater

Figure
8e

G:\Projects\222\057\050\054\RIReport\TECTRI_C19\TECTRI_C19.aprx 8/7/2026

RISB-110
LAI-05
RISB-59
RISB-203
RISB-60
RISB-114
RISB-202
DW3
RISB-15
RISB-14
RIDW-3
LAI-08
LAI-21
RISB-102
LAI-22
LAI-19
C-21
RISB-27
RIGW-101
C-22
RISB-28
RISB-26
RISB-13
LAI-20
LAI-10
LAI-27
LAI-09
RIGW-100
RISB-24
RISB-25
C-20
RISG-203
RISB-23
LAI-26
RISB-22
RIGW-103
C-19
RISG-205
RISB-113
RISB-70
RISB-05
RISB-69
RISB-57
RISB-04
RISB-03
RISB-11
GP2
GP1
RISB-54
RISB-55
Former Degreaser Pit and Sump
RISB-08
C19-TP2
GP13
GP20
SCPWD-2
GP17
See Inset Below
RIDW-7
RISB-100
GP12
GP15
GP3
DW1
SCPWD-4
GP19
GP18
GP4
RISB-56
SCPWD-3
RISB-02
GP5
RISB-01
GP14
GP16
RISB-09
GP11
RISB-10
GP6
GP7
GP10
RIDW-1
GP8
GP9

RIGW-104
| 18-23 | 8/12/2024 | VC 0.098 |

RISB-71
| 15-20 | 12/1/2022 | TCE 22 |

RISB-103
| 7.5-12.5 | 5/31/2024 | cDCE 21 |

RISB-201
| 10-15 | 1/28/2025 | ND |

RISB-58
| 15-20 | 9/3/2019 | TCE 890 |

RISB-07
| 10-15 | 3/28/2019 | TCE 110 |

RISB-06
| 15-20 | 3/27/2019 | TCE 94 |

RISB-101
| 25-30 | 5/29/2024 | TCE 150 |

RISB-70
| 14-19 | 11/30/2022 | VC 0.027 |

RISB-69
| 15-20 | 12/1/2022 | cDCE 7.8 |

RISB-05
| 7.5-12.5 | 3/18/2019 | ND |

RISB-57
| 15-20 | 9/3/2019 | cDCE 5.8 |

RIGW-55
| 4-9 | 9/5/2019 | TCE 61 |

RISB-03
| 15-20 | 3/26/2019 | cDCE 5.9 |

RISB-08
| 16-21 | 3/26/2019 | ND |

RISB-100
| 11-16 | 5/29/2024 | ND |

SCPWD-2
| 20-30 | 11/8/2018 | TCE 940 |

DW1
| 137-147 | 6/4/2024 | TCE 840 |

SCPWD-4
| 20-30 | 9/5/2019 | TCE 990 |

RISB-56
| 20-25 | 9/3/2019 | TCE 4,800 |

SCPWD-3
| 20-30 | 11/4/2024 | TCE 20,000 |

RISB-01
| 15-20 | 3/27/2019 | TCE 1.3 |

RISB-09
| 19-24 | 3/25/2019 | TCE 5.4 |

RISB-10
| 14-19 | 3/25/2019 | ND |

N

0 4 8
Scale in Feet

Former Degreaser Pit
RISG-103
SU2-NE-0.8
SU-NE-1.0
SU-NW-0.5
SU2-NW-0.8
C19-TP1
SU-NW-1.0
SU-FL-0.5
SU2-NE-W
SU-NE-0.4
SU-FL-W
SU-FL-1.0
SU2-FL-0.8
Former Sump Pump Area
SU-SW-1.0
SU-SE-0.5
SW-1.0-W
SU-SE-1.1
SU-SW-0.5
Building C-19 Wall

Legend

Color Coding Key

- Concentration Exceeded Site pCUL for One or More Analytes
- One or More Analytes were Detected, but did not Exceed Site pCUL
- Analysis was Conducted, but Results were not detected above Laboratory Reporting Limits
- Sample from this Location Not Analyzed

Sampling Locations

- Monitoring Well Location
- Soil Boring Location
- Groundwater Sampling Location
- Soil Gas Sampling Location
- Soil and Groundwater Sampling Location
- Soil and Soil Gas Sampling Location
- Soil, Soil Gas, and Groundwater Sampling Location
- Test Pit

- Building C-19 Investigation Area
- Previous Remedial Action Areas

Notes

1. Where more than one constituent was detected or exceeded Site pCUL, the constituent with the highest concentration is shown.
2. pCULs for PCE, TCE, cDCE, and VC are 5, 2.3, 15, and 0.10 µg/L, respectively.
3. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Sampling Location		
Screen Depth (ft, BGS)	Date	Max. PCE, TCE, cDCE, or VC Conc. (µg/L)

DRAFT

LANDAU ASSOCIATES

0 70 140
Scale in Feet

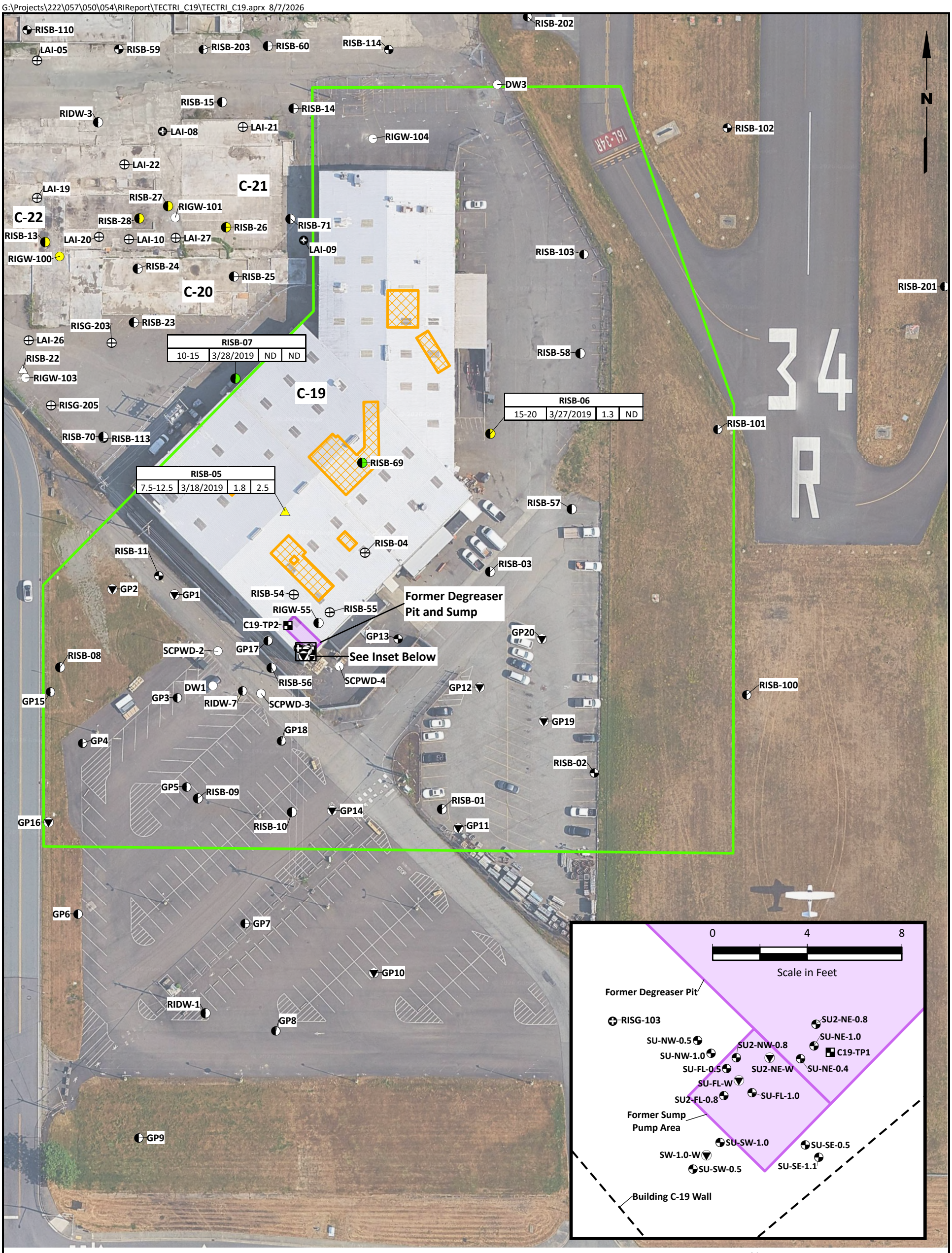
Data Sources: AGI 1999; Landau Associates 2006; Google Earth Pro.

TECT Aerospace
Everett, Washington

Building C-19
VOCs in Groundwater

Figure
8f

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Legend

Color Coding Key

- Concentration Exceeded Site pCUL for One or More Analytes
- One or More Analytes were Detected, but did not Exceed Site pCUL
- Analysis was Conducted, but Results were not detected above Laboratory Reporting Limits
- Sample from this Location Not Analyzed

Sampling Locations

- Monitoring Well Location
- Soil Boring Location
- Groundwater Sampling Location
- Soil Gas Sampling Location
- Soil and Groundwater Sampling Location
- Soil and Soil Gas Sampling Location
- Soil, Soil Gas, and Groundwater Sampling Location
- Test Pit

- Building C-19 Investigation Area
- Previous Remedial Action Areas

Notes

1. pCUL is 13.6 µg/L for arsenic and 50 µg/L for total chromium
2. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Sampling Location			
Screen Depth (ft, BGS)	Date	Arsenic Conc. (µg/L)	Total Chromium Conc. (µg/L)

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0 70 140

Scale in Feet

Data Sources: AGI 1999; Landau Associates 2006; Google Earth Pro.

TECT Aerospace
Everett, Washington

Building C-19
Metals in Groundwater

Figure
8g

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RISB-110 LAI-05 RISB-59 RISB-203 RISB-60 RISB-114 RISB-202 DW3 RISB-15 RISB-14 RIDW-3 LAI-08 LAI-21 RIGW-104 RISB-102 LAI-22 C-21 LAI-19 RISB-27 RIGW-101 C-22 RISB-28 RISB-26 RISB-71 RISB-13 LAI-20 LAI-10 LAI-27 LAI-09 RISB-103 RIGW-100 RISB-24 RISB-25 RISB-201 C-20 RISB-23 RISG-203 LAI-26 RISB-22 RISB-58 RIGW-103 RISB-07 C-19 RISG-205 RISB-101 RISB-70 RISB-113 RISB-06 RISB-69

RISG-05				
0.7	ND	ND	ND	ND

RISB-57

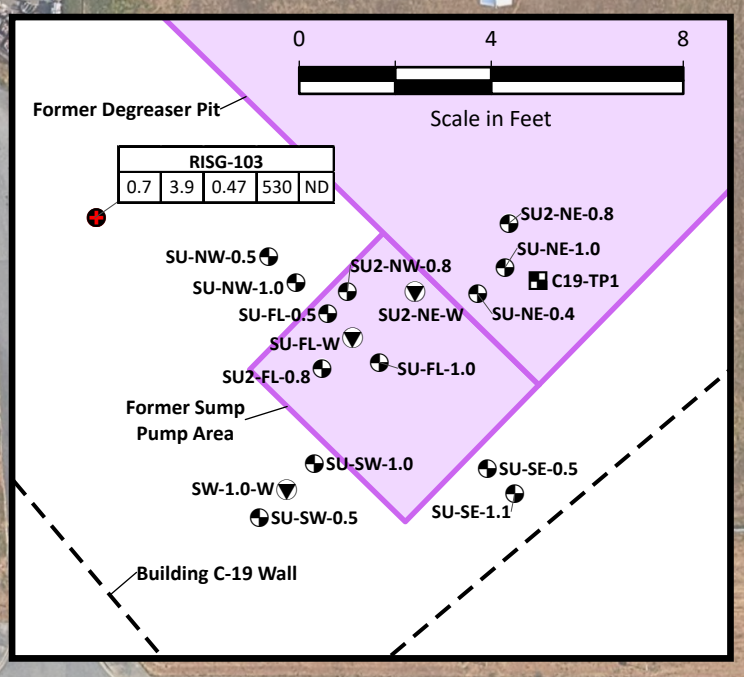
RISG-04				
0.7	ND	ND	ND	ND

RISB-11 RISB-03

RISG-54				
0.7	ND	2.5	310	ND

RISG-55				
0.7	4.5	ND	1,400	ND

GP2 GP1 RIGW-55 Former Degreaser Pit and Sump C19-TP2 GP20 SCPWD-2 GP17 GP13 RISB-08 RISB-56 SCPWD-4 RISB-100 GP15 DW1 GP3 RIDW-7 SCPWD-3 See Inset Below GP12 GP19 GP18 GP4 RISB-02 GP5 RISB-09 RISB-01 GP16 RISB-10 GP14 GP11 GP6 GP7 GP10 RIDW-1 GP8 GP9



Legend

Color Coding Key

- Concentration Exceeded Site Screening Level for One or More Analytes
- One or More Analytes were Detected, but did not Exceed Site Screening Level
- Analysis was Conducted, but Results were not detected above Laboratory Reporting Limits
- Sample from this Location Not Analyzed

Sampling Locations

- Monitoring Well Location
- Soil Boring Location
- Groundwater Sampling Location
- Soil Gas Sampling Location
- Soil and Groundwater Sampling Location
- Soil and Soil Gas Sampling Location
- Soil, Soil Gas, and Groundwater Sampling Location
- Test Pit

- Building C-19 Investigation Area
- Previous Remedial Action Areas

Notes

1. Screening Levels for 1,1-DCA, Benzene, TCE, and VC are 240, 50, 95, and 44 µg/m^3, respectively.
2. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Sampling Location				
Sample Depth (ft, BGS)	1,1-DCA Conc. (µg/m^3)	Benzene Conc (µg/m^3)	TCE Conc. (µg/m^3)	VC Conc. (µg/m^3)

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0 70 140

Scale in Feet

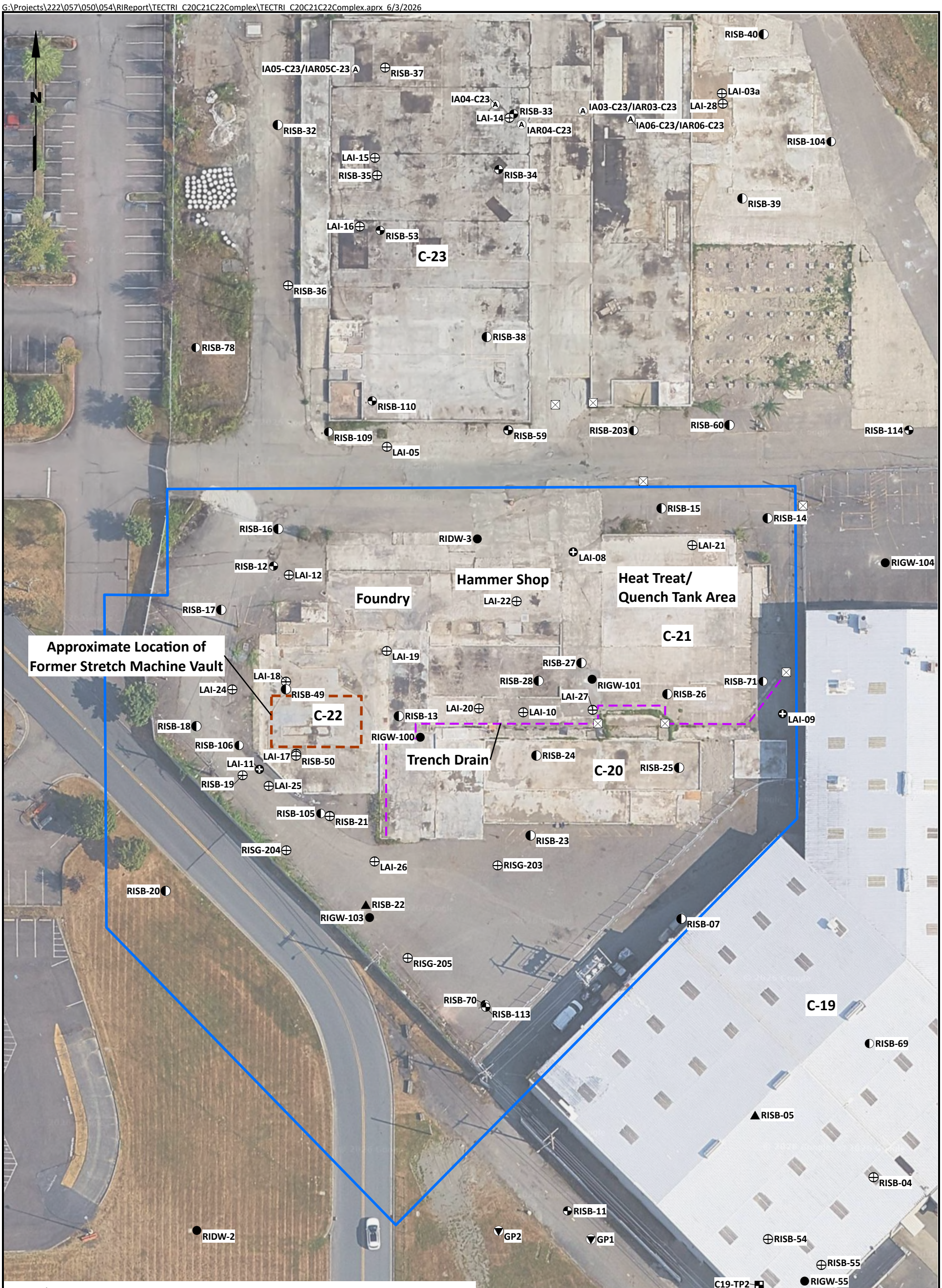
Data Sources: AGI 1999; Landau Associates 2006; Google Earth Pro.

TECT Aerospace
Everett, Washington

Building C-19
Soil Gas

Figure
8h

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Legend

- RI Monitoring Well Location
- Groundwater Sampling Location
- Soil Boring Location
- Indoor Air Sampling Location
- Soil and Soil Gas Sampling Location
- Soil Gas Sampling Location
- Test Pit
- Soil and Groundwater Sampling Location
- Soil, Soil Gas, and Groundwater Sampling Location
- Catch Basin
- Trench Drain
- Building C-20, C-21, C-22 Complex Investigation Area
- Approximate Location of Former Stretch Machine Vault

Note

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

Data Sources: AGI 1999; Landau Associates 2006; Google Earth Pro.

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TECT Aerospace Everett, Washington	**Building C-20, C-21, C-22 Complex Investigation Locations**	Figure 9a

G:\Projects\222\057\050\054\RIReport\TECTRI_C20C21C22Complex\TECTRI_C20C21C22Complex.aprx 6/3/2026

N

IA05-C23/IAR05C-23 RISB-37 RISB-40 LAI-03a IA04-C23 RISB-33 IA03-C23/IAR03-C23 LAI-28 LAI-14 IAR04-C23 IA06-C23/IAR06-C23 RISB-32 RISB-104 LAI-15 RISB-35 RISB-34 RISB-39 LAI-16 RISB-53 C-23 RISB-36 RISB-38 RISB-78

RISB-59		
12.5-13.5	ND	ND
19-20	ND	ND

RISB-60		
6.5-7.5	ND	ND

RISB-114		
6-7	ND	ND
19-20	ND	ND

RISB-110 RISB-109 LAI-05 RISB-203

RISB-14		
9-10	ND	--
19-20	ND	--
44-45	ND	--

RISB-16		
4-5	ND	--
19-20	ND	--

Former USTs

RISB-15		
13-14	--	ND

RIDW-3 LAI-21 LAI-08

RISB-12		
10-10.5	--	ND

RIGW-104

31-32	ND	ND
39-40	ND	ND

LAI-12 Hammer Shop Heat Treat/ Quench Tank Area

RISB-17		
18-19	ND	--
34-35	ND	--
44-45	ND	--

Foundry LAI-22 C-21

RISB-71		
9-10	ND	--
19-20	ND	--
29-30	ND	--

RISB-49		
6-7	ND	ND
24-25	ND	ND

RISB-28		
0.7-1.7	ND	DRO + ORO 7,300
11-12	ND	ND

RISB-27		
2-3	--	DRO + ORO 100

LAI-19 LAI-18 RIGW-101 LAI-24 LAI-27

RISB-13		
10-11	ND	ND
12.5-13	ND	ND

LAI-20 LAI-10 RISB-26

RISB-26		
2-3	--	ND

LAI-09

RISB-18		
2.5-3.5	ND	--
9-10	ND	--
19-20	ND	--

RISB-106 RIGW-100 LAI-17

RISB-50		
13.5-14.5	ND	ND
24-25	ND	ND

Trench Drain

RISB-24		
2-3	ND	ND

LAI-11 LAI-25

RISB-19		
1.5-2	ND	--
8.5-9.5	ND	--
14-15	ND	--

RISB-25		
2-3	ND	ND

RISB-105

RISB-23		
14-15	ND	--
19-20	ND	--

RISB-21		
12.5-13.5	ND	--
19-20	ND	--

LAI-26 RISG-203

RISB-20		
6.5-7.5	ND	--

RISB-22		
1-2	--	DRO + ORO 3,300
6.5-7.5	ND	ND

RISG-204		
1.2-2.5	--	ND

RISB-07		
14.5-15.5	ND	ND

RISG-205		
4-5	--	ND

RIGW-103		
26-27	ND	ND
39-40	ND	ND

RISB-113		
11-12	--	ND
21-22	--	ND
29-30	--	ND

RISB-70		
9-10	ND	--
19-20	ND	--
29-30	ND	--

C-19 RISB-69 RISB-05 RISB-04 RISB-11

Sampling Location		
Screen Depth (ft, BGS)	Benzene Concentration (µg/kg)	Max. TPH-G, or Total TPH-D and TPH-O Conc. (mg/kg)

Legend

Color Coding Key

- Concentration Exceeded Site pCUL for One or More Analytes
- One or More Analytes were Detected, but did not Exceed Site pCUL
- Analysis was Conducted, but Results were not detected above Laboratory Reporting Limits
- Sample from this Location Not Analyzed

Sampling Locations

- Monitoring Well Location
- Soil Boring Location
- Groundwater Sampling Location
- Soil Gas Sampling Location
- Soil and Groundwater Sampling Location
- Soil and Soil Gas Sampling Location
- Soil, Soil Gas, and Groundwater Sampling Location
- Test Pit

- Catch Basin
- Trench Drain
- Building C-20, C-21, C-22 Complex

Notes

1. pCUL for TPH-G are is 30 mg/kg with benzene present and 100 mg/kg without benzene present.
2. pCUL for TPH-D and TPH-O is 2,000 mg/kg, separate or combined.
3. pCUL for benzene is 27 µg/kg.
4. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Data Sources: AGI 1999; Landau Associates 2006; Google Earth Pro.

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0 40 80

Scale in Feet

TECT Aerospace
Everett, Washington

Building C-20, C-21, C-22 Complex
Benzene and TPH in Soil

Figure
9b

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N

RISB-40
IA05-C23/IAR05C-23
RISB-37
IA04-C23
LAI-03a
LAI-28
IA03-C23/IAR03-C23
RISB-33
LAI-14
IAR04-C23
IA06-C23/IAR06-C23
RISB-32
RISB-104
LAI-15
RISB-35
RISB-34
RISB-39
LAI-16
RISB-53
C-23
RISB-36
RISB-38
RISB-78
RISB-110
RISB-109
LAI-05
RISB-203
RISB-16
4-5 ND
19-20 ND
RISB-59
12.5-13.5 ND
19-20 ND
RISB-60
6.5-7.5 TCE 6.3
24-25 ND
RISB-114
6-7 ND
19-20 cDCE 2.4
RISB-15
9-10 TCE 4,400
17-18 TCE 4,200
34-35 TCE 1.6
RISB-14
9-10 TCE 4.2
19-20 ND
44-45 ND
RISB-12
19-20 ND
24-25 ND
41.5-42.5 ND
RIDW-3
RISB-28
0.7-1.7 ND
11-12 TCE 28
LAI-08
LAI-21
RISB-17
18-19 ND
34-35 ND
44-45 ND
LAI-12
Foundry
LAI-22
Heat Treat/
Quench Tank Area
RIGW-104
31-32 ND
39-40 ND
RISB-27
39-40 ND
44-45 ND
Hammer Shop
RISB-50
13.5-14.5 TCE 3,600
24-25 ND
LAI-19
C-21
RISB-26
6-7 TCE 7.4
24-25 VC 0.094
RISB-13
10-11 TCE 40,000
12.5-13 TCE 14,000
RISB-49
6-7 TCE 8.6
24-25 ND
LAI-18
LAI-24
RIGW-101
LAI-27
RISB-71
9-10 TCE 11
19-20 VC 0.068
29-30 ND
C-22
LAI-20
LAI-10
LAI-09
RISB-18
2.5-3.5 ND
9-10 TCE 7.6
19-20 ND
RISB-106
RIGW-100
LAI-17
LAI-11
LAI-25
Trench Drain
C-20
RISB-24
2-3 TCE 6.8
RISB-25
2-3 ND
RISB-19
1.5-2 cDCE 660
8.5-9.5 TCE 5.9
14-15 VC 0.12
RISB-105
RISB-23
14-15 TCE 9.2
19-20 ND
RISG-204
LAI-26
RISG-203
RISB-22
6.5-7.5 cDCE 9.1
19-20 ND
RISB-21
12.5-13.5 TCE 9,500
19-20 TCE 5,200
RISB-07
14.5-15.5 VC 0.11
29-30 ND
RISB-20
6.5-7.5 ND
RISG-205
RIGW-103
26-27 ND
39-40 ND
RISB-113
C-19
RISB-70
9-10 ND
19-20 ND
29-30 ND
RISB-69
9-10 ND
19-20 ND
29-30 ND
RISB-05
RISB-04
RISB-11

Legend

Color Coding Key

- Concentration Exceeded Site pCUL for One or More Analytes
- One or More Analytes were Detected, but did not Exceed Site pCUL
- Analysis was Conducted, but Results were not detected above Laboratory Reporting Limits
- Sample from this Location Not Analyzed

Sampling Locations

- Monitoring Well Location
- Soil Boring Location
- Groundwater Sampling Location
- Soil Gas Sampling Location
- Soil and Groundwater Sampling Location
- Soil and Soil Gas Sampling Location
- Soil, Soil Gas, and Groundwater Sampling Location
- Test Pit

- Catch Basin
- Trench Drain
- Building C-20, C-21, C-22 Complex

Sampling Location	
Screen Depth (ft, BGS)	Maximum PCE, TCE, cDCE, or VC Concentration (µg/kg)

Notes

1. Where more than one constituent was detected or exceeded Site pCUL, the constituent with the highest concentration is shown.
2. pCULs for PCE, TCE, cDCE, and VC are 50, 25, 79, and 1.7 µg/kg, respectively.
4. UST = Underground Storage Tank
5. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Data Sources: AGI 1999; Landau Associates 2006; Google Earth Pro.

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0 40 80

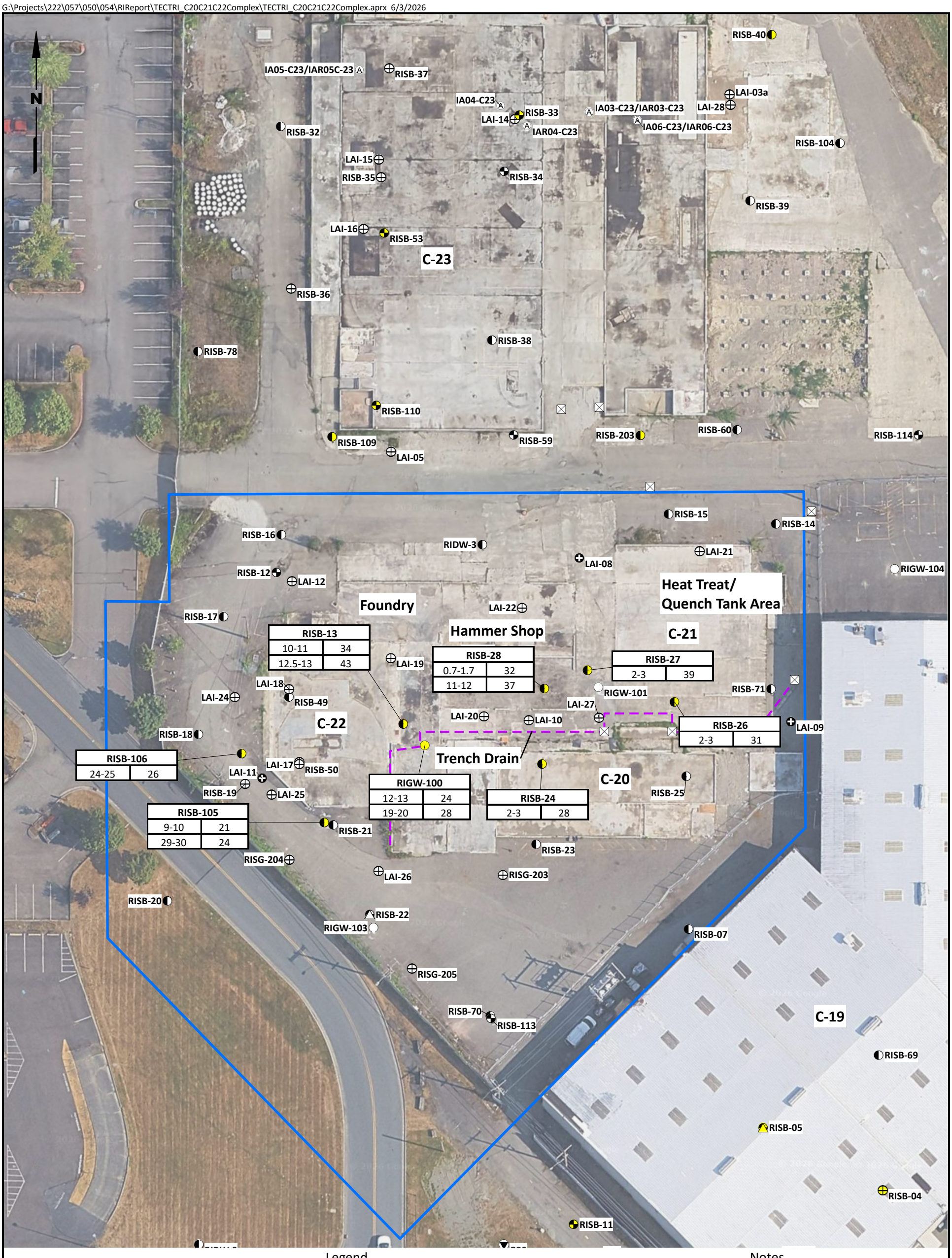
Scale in Feet

TECT Aerospace
Everett, Washington

Building C-20, C-21, C-22 Complex VOCs in Soil

Figure 9c

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Legend

Color Coding Key

- Concentration Exceeded Site pCUL
- Analyte was Detected, but did not Exceed Site pCUL
- Analysis was Conducted, but Results were not detected above Laboratory Reporting Limits
- Sample from this Location Not Analyzed

Sampling Locations

- Monitoring Well Location
- Soil Boring Location
- Groundwater Sampling Location
- Soil Gas Sampling Location
- Soil and Groundwater Sampling Location
- Soil and Soil Gas Sampling Location
- Soil, Soil Gas, and Groundwater Sampling Location
- Test Pit

- Catch Basin
- Trench Drain
- Building C-20, C-21, C-22 Complex

Notes

1. pCUL is 2,000 mg/kg for total chromium.
2. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Sampling Location	
Screen Depth (ft, BGS)	Total Chromium Concentration (mg/kg)

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0 40 80

Scale in Feet

Data Sources: AGI 1999; Landau Associates 2006; Google Earth Pro.

TECT Aerospace
Everett, Washington

Building C-20, C-21, C-22 Complex
Metals in Soil

Figure
9d

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N

RISB-40
IA05-C23/IAR05C-23 (A)
RISB-37
IA04-C23 (A)
LAI-03a
IA03-C23/IAR03-C23 (A)
LAI-28
LAI-14
RISB-33
IA06-C23/IAR06-C23 (A)
IAR04-C23 (A)
RISB-32
RISB-104
LAI-15
RISB-35
RISB-34
RISB-39
LAI-16
RISB-53
C-23
RISB-36
RISB-38
RISB-78
RISB-60
20-25 | 8/27/2019 | ND | --
RISB-110
RISB-203
RISB-114
RISB-109
RISB-59
LAI-05
RISB-15
15-20 | 3/21/2019 | ND | DRO+ORO 660
RISB-14
20-25 | 4/1/2019 | ND | --
RISB-16
10-15 | 4/1/2019 | ND | --
RIDW-3
140.5-150.5 | 9/11/2019 | ND | --
LAI-08
LAI-21
RIGW-104
18-23 | 8/12/2024 | ND | ND
RISB-12
LAI-12
Heat Treat/
Quench Tank Area
RISB-17
20-25 | 3/29/2019 | ND | --
Foundry
LAI-22
Hammer Shop
C-21
RISB-27
1.5-4.5 | 4/2/2019 | ND | --
RISB-49
4-9 | 3/20/2019 | ND | DRO+ORO 1,300
LAI-19
RIGW-101
21.5-26.5 | 8/12/2024 | ND | DRO+ORO 540
LAI-18
RISB-28
9-12 | 3/19/2019 | ND | DRO+ORO 6,000
RISB-71
15-20 | 12/1/2022 | ND | --
RISB-18
15-20 | 3/29/2019 | ND | --
LAI-24
LAI-27
LAI-20
LAI-10
LAI-09
RISB-13
9-12 | 3/19/2019 | ND | DRO+ORO 850
RISB-106
10-15 | 5/24/2024 | -- | DRO+ORO 270
LAI-11
LAI-17
RISB-50
Trench Drain
C-20
RISB-26
15-20 | 4/2/2019 | ND | --
RISB-19
LAI-25
RIGW-100
10-20 | 11/7/2024 | ND | DRO+ORO 150
RISB-24
15-20 | 3/20/2019 | ND | DRO+ORO 860
RISB-25
1.5-4.5 | 3/20/2019 | ND | DRO+ORO 620
RISB-105
15-20 | 5/24/2024 | -- | DRO+ORO 810
RISB-21
4-4.5 | 4/2/2019 | ND | --
RISG-204
LAI-26
RISG-203
RISB-23
10-15 | 3/28/2019 | ND | DRO+ORO 700
RISB-22
4-4.5 | 4/2/2019 | ND | --
RISB-07
10-15 | 3/28/2019 | ND | DRO+ORO 620
RIGW-103
7.5-17.5 | 8/12/2024 | ND | DRO+ORO 820
RISG-205
RISB-20
10-15 | 3/27/2019 | 0.68 | --
RISB-113
C-19
RISB-70
14-19 | 11/30/2022 | ND | --
RISB-69
RISB-05
RISB-04
RISB-11

Sampling Location
Screen Depth (ft, BGS) | Date | Benzene Conc. (µg/L) | Max. TPH-G, -D, or -O Conc. (µg/L)

Legend

Color Coding Key
- Concentration Exceeded Site pCUL for One or More Analytes
- One or More Analytes were Detected, but did not Exceed Site pCUL
- Analysis was Conducted, but Results were not detected above Laboratory Reporting Limits
- Sample from this Location Not Analyzed

Sampling Locations
- Monitoring Well Location
- Soil Boring Location
- Groundwater Sampling Location
- Soil Gas Sampling Location
- Soil and Groundwater Sampling Location
- Soil and Soil Gas Sampling Location
- Soil, Soil Gas, and Groundwater Sampling Location
- Test Pit

- Catch Basin
- Trench Drain
- Building C-20, C-21, C-22 Complex

Notes

1. Where more than one constituent was detected or exceeded Site pCUL, the constituent with the highest concentration is shown.
2. pCUL for TPH-G is 800 µg/L with benzene present and 1,000 µg/L without benzene present.
3. pCULs for TPH-D and TPH-O are 500 µg/L, separate or combined.
4. pCUL for benzene is 1.6 µg/L.
5. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

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0 40 80
Scale in Feet

Data Sources: AGI 1999; Landau Associates 2006; Google Earth Pro.

TECT Aerospace
Everett, Washington

Building C-20, C-21, C-22 Complex
TPH and Benzene in Groundwater

Figure
9e

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N

IA05-C23/IAR05C-23 (A) RISB-37 RISB-40 LAI-03a IA04-C23 (A) RISB-33 IA03-C23/IAR03-C23 (A) LAI-28 LAI-14 (A) IAR04-C23 (A) IA06-C23/IAR06-C23 RISB-32 RISB-104 LAI-15 RISB-35 RISB-34 RISB-39 LAI-16 RISB-53 C-23 RISB-36 RISB-38 RISB-78

RISB-60		
20-25	8/27/2019	TCE 14

RISB-110 RISB-109 RISB-59 RISB-203 RISB-114 LAI-05

RISB-14		
20-25	4/1/2019	TCE 2.6

RISB-16		
10-15	4/1/2019	EDC 0.81

RISB-15		
15-20	3/21/2019	TCE 2,000

RIDW-3 LAI-21 LAI-08 RISB-12 LAI-12 Hammer Shop Heat Treat/ Quench Tank Area

RIGW-104		
18-23	8/12/2024	VC 0.098

RISB-17		
20-25	3/29/2019	TCE ND

Foundry LAI-22

RISB-27		
1.5-4.5	4/2/2019	TCE 220

C-21

RISB-71		
15-20	12/1/2022	TCE 22

RISB-49		
4-9	3/20/2019	TCE 430

LAI-19

RIGW-101		
21.5-26.5	8/12/2024	TCE 220

LAI-18 LAI-24 C-22

RISB-28		
9-12	3/19/2019	TCE 310

RISB-18		
15-20	3/29/2019	VC 1.3

LAI-27 LAI-20 LAI-10 LAI-09

RISB-13		
9-12	3/19/2019	TCE 2,100

RISB-26		
15-20	4/2/2019	TCE 24

RISB-106 LAI-17 RISB-50 LAI-11 Trench Drain C-20 RISB-19 LAI-25

RIGW-100		
10-20	8/14/2024	TCE 2,500

RISB-24		
1-4	3/20/2019	TCE 330

RISB-25		
1.5-4.5	3/20/2019	TCE 12

RISB-105

RISB-21		
4-4.5	4/2/2019	TCE 190

RISG-204 LAI-26 RISG-203

RISB-23		
10-15	3/28/2019	TCE 63

RISB-22		
4-4.5	4/2/2019	VC 90

RISB-20		
15-20	3/27/2019	VC 0.071

RISB-07		
10-15	3/28/2019	TCE 110

RIGW-103		
7.5-17.5	11/6/2024	cDCE 580

RISG-205

RISB-70		
14-19	11/30/2022	VC 0.027

RISB-113

C-19

RISB-69		
15-20	12/1/2022	cDCE 7.8

RISB-05 RISB-04 RISB-11

Legend

Color Coding Key

- Concentration Exceeded Site pCUL for One or More Analytes
- One or More Analytes were Detected, but did not Exceed Site pCUL
- Analysis was Conducted, but Results were not detected above Laboratory Reporting Limits
- Sample from this Location Not Analyzed

Sampling Locations

- Monitoring Well Location
- Soil Boring Location
- Groundwater Sampling Location
- Soil Gas Sampling Location
- Soil and Groundwater Sampling Location
- Soil and Soil Gas Sampling Location
- Soil, Soil Gas, and Groundwater Sampling Location
- Test Pit

- Catch Basin
- Trench Drain
- Building C-20, C-21, C-22 Complex

Notes

1. Where more than one constituent was detected or exceeded Site pCUL, the constituent with the highest concentration is shown.
2. pCULs for PCE, TCE, cDCE, VC and EDC are 5, 2.3, 15, 0.10, and 0.48 µg/L, respectively.
3. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Sampling Location		
Screen Depth (ft, BGS)	Date	Max. PCE, TCE, cDCE, VC, or EDC Conc. (µg/L)

Data Sources: AGI 1999; Landau Associates 2006; Google Earth Pro.

DRAFT

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0 40 80

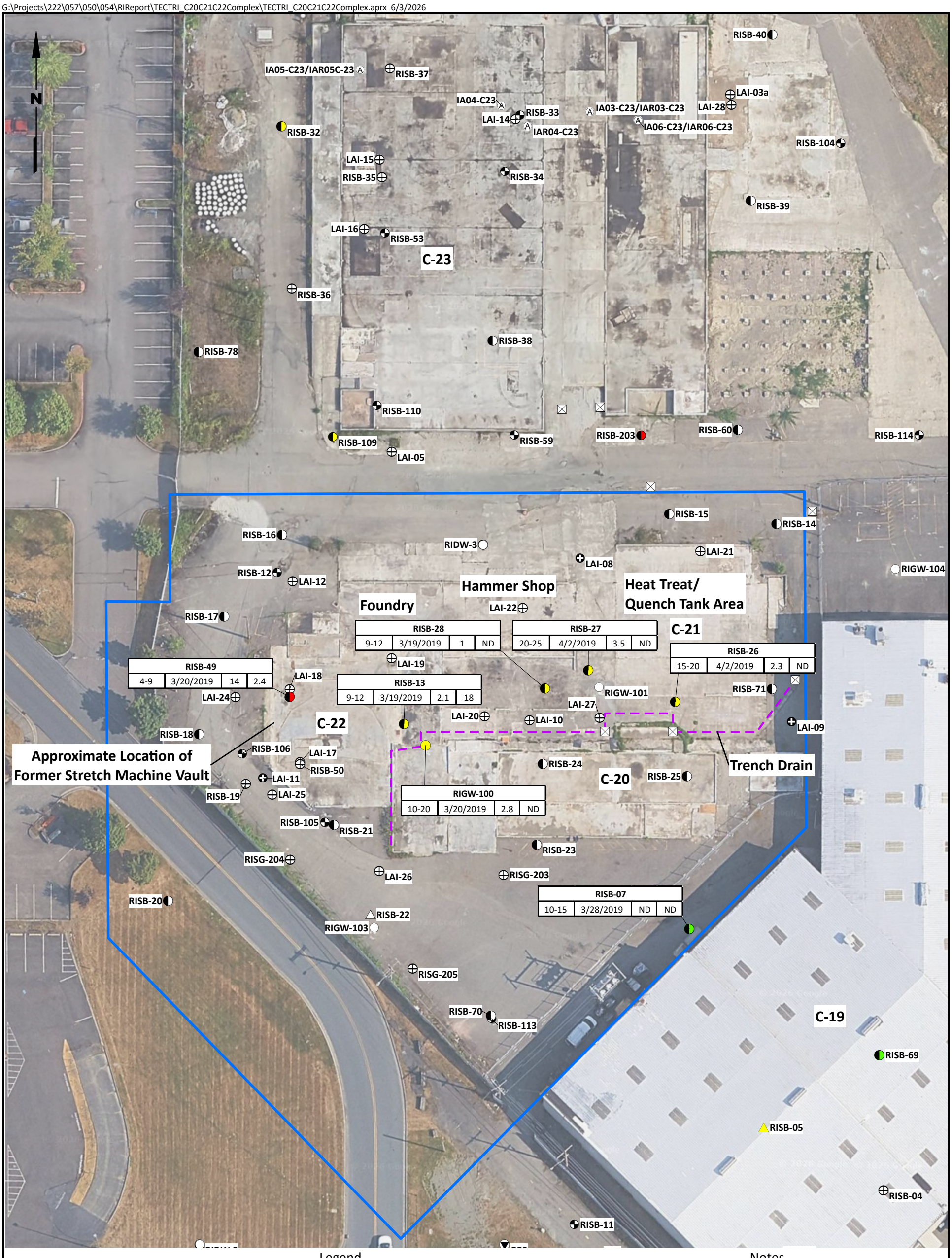
Scale in Feet

TECT Aerospace
Everett, Washington

Building C-20, C-21, C-22 Complex VOCs in Groundwater

Figure 9f

G:\Projects\222\057\050\054\RIReport\TECTRI_C20C21C22Complex\TECTRI_C20C21C22Complex.aprx 6/3/2026



Legend

Color Coding Key

- Concentration Exceeded Site pCUL for One or More Analytes
- One or More Analytes were Detected, but did not Exceed Site pCUL
- Analysis was Conducted, but Results were not detected above Laboratory Reporting Limits
- Sample from this Location Not Analyzed

Sampling Locations

- Monitoring Well Location
- Soil Boring Location
- Groundwater Sampling Location
- Soil Gas Sampling Location
- Soil and Groundwater Sampling Location
- Soil and Soil Gas Sampling Location
- Soil, Soil Gas, and Groundwater Sampling Location
- Test Pit

- Catch Basin
- Trench Drain
- Building C-20, C-21, C-22 Complex

Notes

1. pCUL is 13.6 µg/L for arsenic and 50 µg/L for total chromium.
2. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Sampling Location			
Screen Depth (ft, BGS)	Date	Arsenic Conc. (µg/L)	Total Chromium Conc. (µg/L)

DRAFT

LANDAU ASSOCIATES

0 40 80

Scale in Feet

Data Sources: AGI 1999; Landau Associates 2006; Google Earth Pro.

TECT Aerospace
Everett, Washington

Building C-20, C-21, C-22 Complex
Metals in Groundwater

Figure
9g

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N

RISB-40
IA05-C23/IAR05C-23
RISB-37
IA04-C23
LAI-03a
LAI-28
IA03-C23/IAR03-C23
LAI-14
RISB-33
IA06-C23/IAR06-C23
IAR04-C23
RISB-32
RISB-104
LAI-15
RISB-35
RISB-34
RISB-39
LAI-16
RISB-53
RISG-38
RISB-38
RISB-78
RISB-110
RISB-109
RISB-59
RISB-203
RISB-60
RISB-114
LAI-05
RISB-15
RISB-14
RISB-16
RIDW-3
LAI-21
LAI-08
RISB-12
LAI-12
RIGW-104
LAI-22
RISB-17
LAI-19
RISB-27
LAI-18
RISB-28
RIGW-101
RISB-71
LAI-24
RISB-49
LAI-27
RISB-26
LAI-20
LAI-10
LAI-09
RISB-13
RISB-18
RIGW-100
RISB-106
LAI-17
RISB-24
RISB-25
LAI-11
LAI-25
RISB-105
RISB-21
RISB-23
LAI-26
RISG-203
RISB-20
RIGW-103
RISB-07
RISB-70
RISB-113
RISB-69
RISB-05
RISB-04
RISB-11

RISG-19				
0.7	--	46	690	25,000

RISG-50				
0.7	--	ND	1,700	ND

RISG-204				
0.7	--	ND	1,700	310

RISG-22				
0.7	--	ND	36	2,600

RISG-205				
0.7	--	6	640	2400

Legend

Color Coding Key

- Concentration Exceeded Site Screening Level for One or More Analytes
- One or More Analytes were Detected, but did not Exceed Site Screening Levels
- Analysis was Conducted, but Results were not detected above Laboratory Reporting Limits
- Sample from this Location Not Analyzed

Sampling Locations

- Monitoring Well Location
- Soil Boring Location
- Groundwater Sampling Location
- Soil Gas Sampling Location
- Soil and Groundwater Sampling Location
- Soil and Soil Gas Sampling Location
- Soil, Soil Gas, and Groundwater Sampling Location
- Test Pit

- Catch Basin
- Trench Drain
- Building C-20, C-21, C-22 Complex

Notes

1. Screening levels for 1,1-DCA, Benzene, TCE, and VC are 240, 50, 95, and 44 µg/m^3, respectively.
2. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Sampling Location				
Sample Depth (ft, BGS)	1,1-DCA Conc. (µg/m^3)	Benzene Conc (µg/m^3)	TCE Conc. (µg/m^3)	VC Conc. (µg/m^3)

DRAFT

LANDAU ASSOCIATES

0 40 80

Scale in Feet

Data Sources: AGI 1999; Landau Associates 2006; Google Earth Pro.

TECT Aerospace
Everett, Washington

Building C-20, C-21, C-22 Complex
Soil Gas

Figure
9h

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N

RISB-64
RISB-42
RISB-41
B14
MW3
B15
B22
MW2
MW1
RISB-112
RIDW-8
DW2
C29-TP5A
C29-TP4
RISB-48
AF-1
C29-MW1
RISG-217
C29-TP7
C29-TP1
C29-TP3
RISB-31
RISB-47
C29-TP2
C29-B3
C29-TP8
LAI-23
LAI-07
C29-MW2
RISB-52
C29-TP6
RISB-30
C29-B4
RISB-108
RISG-208
RISG-218
C-23 Annex
Machine Shop
RISB-63
RISB-62
LAI-01
RISB-51
LAI-13
IA02-C23/IAR02C-23
IA01-C23/IAR01C-23
RISG-206
RISB-107
RISB-204
Water Coolant ASTs
IA05-C23/IAR05C-23
RISB-37
IA04-C23
RISB-33
LAI-14
IAR04-C23
IA03-C23/IAR03-C23
IA06-C23/IAR06-C23
RISB-32
LAI-15
RISB-35
RISB-34
Machine Shop
LAI-16
RISB-53
RISB-36
C-23
RISB-38
RISB-78
RISB-110
RISB-109
LAI-05
RISB-59
RISB-203
RISB-40
Metal Chip Processing Area and Sump
LAI-03a
LAI-28
Oil Shed
IA06-C23/IAR06-C23
RISB-104
Tool Shop
RISB-39
Deburr Area
RISB-60
RISB-114
RISB-202
DW3
RISB-15
RISB-14
RISB-16
RIDW-3
LAI-08
LAI-21
RISB-12
LAI-12
RIGW-104
LAI-22
RISB-17
LAI-19
RISB-27
RISB-28
RIGW-101
RISB-71
LAI-24
RISB-49
LAI-18
RISB-26
LAI-20
LAI-10
LAI-27
LAI-09
RISB-13
RISB-18
RIGW-100
RISB-106
RISB-50
LAI-17
RISB-24
RISB-25
RISB-19
LAI-11
LAI-25
RISB-103
RISB-19
RISB-19
RISB-23
RISB-204
LAI-26
RISB-203
RISB-19
RISB-58
RISB-61
RISG-207
RISB-29
RIGW-102
RISB-115
I6L-34R
I6L-34R

Legend

- Monitoring Well Location
- Decommissioned Deep Aquifer Well Location
- Groundwater Sampling Location
- Soil Boring Location
- Indoor Air Sampling Location
- Soil and Soil Gas Sampling Location
- Soil Gas Sampling Location
- Test Pit
- Soil and Groundwater Sampling Location
- Soil, Soil Gas, and Groundwater Sampling Location
- Building C-23 and C-23 Annex Investigation Area
- Inactive, Removed, or Suspected UST Footprint

DRAFT

Note

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

Data Sources: AGI 1999; Landau Associates 2006; Google Earth Pro.

0 60 120

Scale in Feet

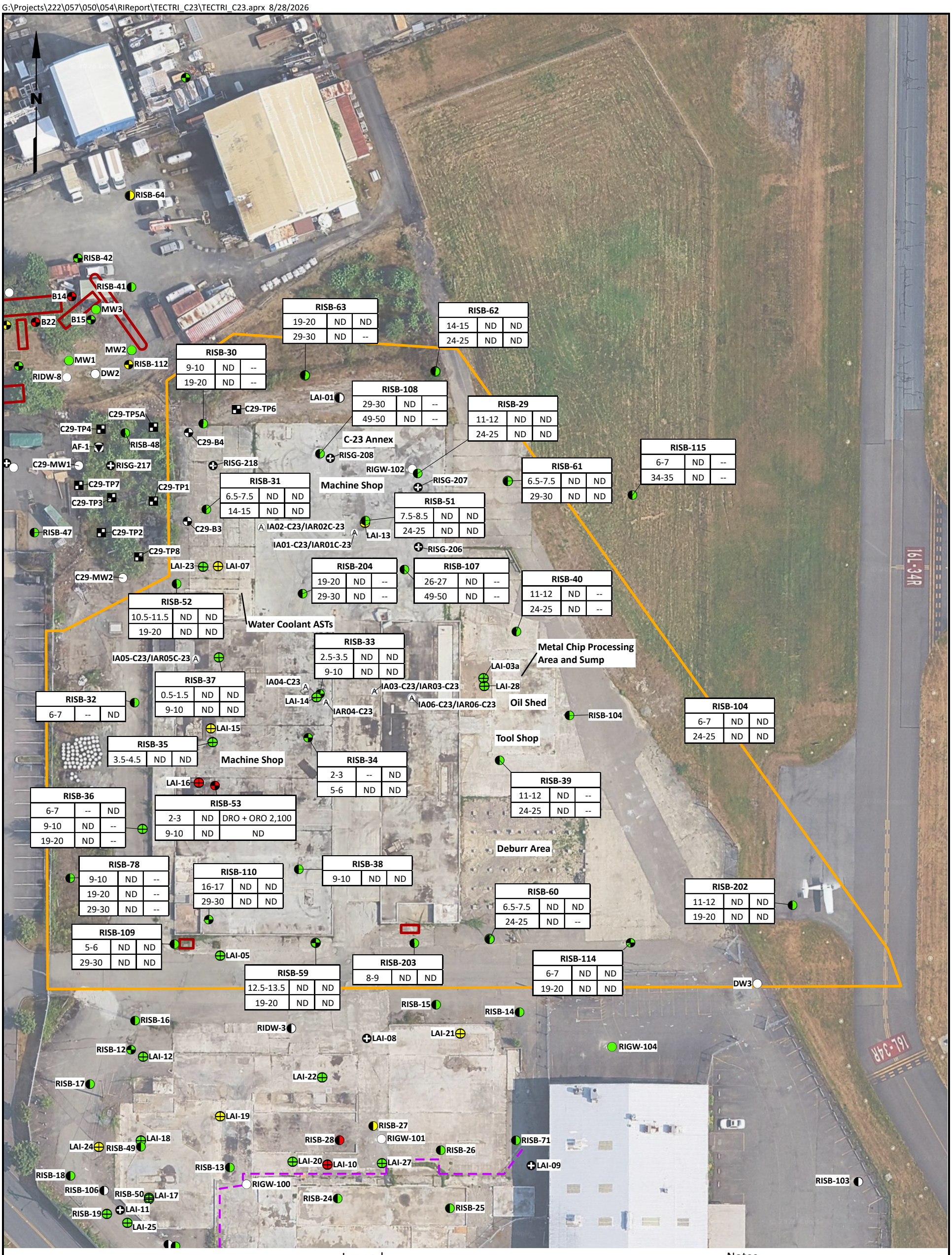
LANDAU ASSOCIATES

TECT Aerospace
Everett, Washington

Building C-23 and C-23 Annex Investigation Locations

Figure
10a

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Legend

Color Coding Key

- Concentration Exceeded Site pCUL for One or More Analytes
- One or More Analytes were Detected, but did not Exceed Site pCUL
- Analysis was Conducted, but Results were not detected above Laboratory Reporting Limits
- Sample from this Location Not Analyzed

Sampling Locations

- Ⓐ Indoor Air Sampling Location
- Monitoring Well Location
- Soil Boring Location
- Groundwater Sampling Location
- Soil Gas Sampling Location
- Soil and Soil Gas Sampling Location
- Soil and Groundwater Sampling Location
- Soil, Soil Gas, and Groundwater Sampling Location
- Test Pit

- Building C-23 and C-23 Annex
- Inactive, Removed, or Suspected UST Footprint

Sampling Location		
Screen Depth (ft, BGS)	Benzene Concentration (µg/kg)	Max. TPH-G, or Total TPH-D and TPH-O Conc. (mg/kg)

Notes

1. Where more than one constituent was detected or exceeded Site pCUL , the constituent with the highest concentration is shown.
2. pCULs for TPH-G are 30 mg/kg with benzene present and 100 mg/kg without benzene present.
3. pCULs for TPH-D and TPH-O are 2,000 mg/kg, separate or combined.
4. pCUL for benzene is 27 µg/kg.
5. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Data Sources: AGI 1999; Landau Associates 2006; Google Earth Pro.

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0 60 120

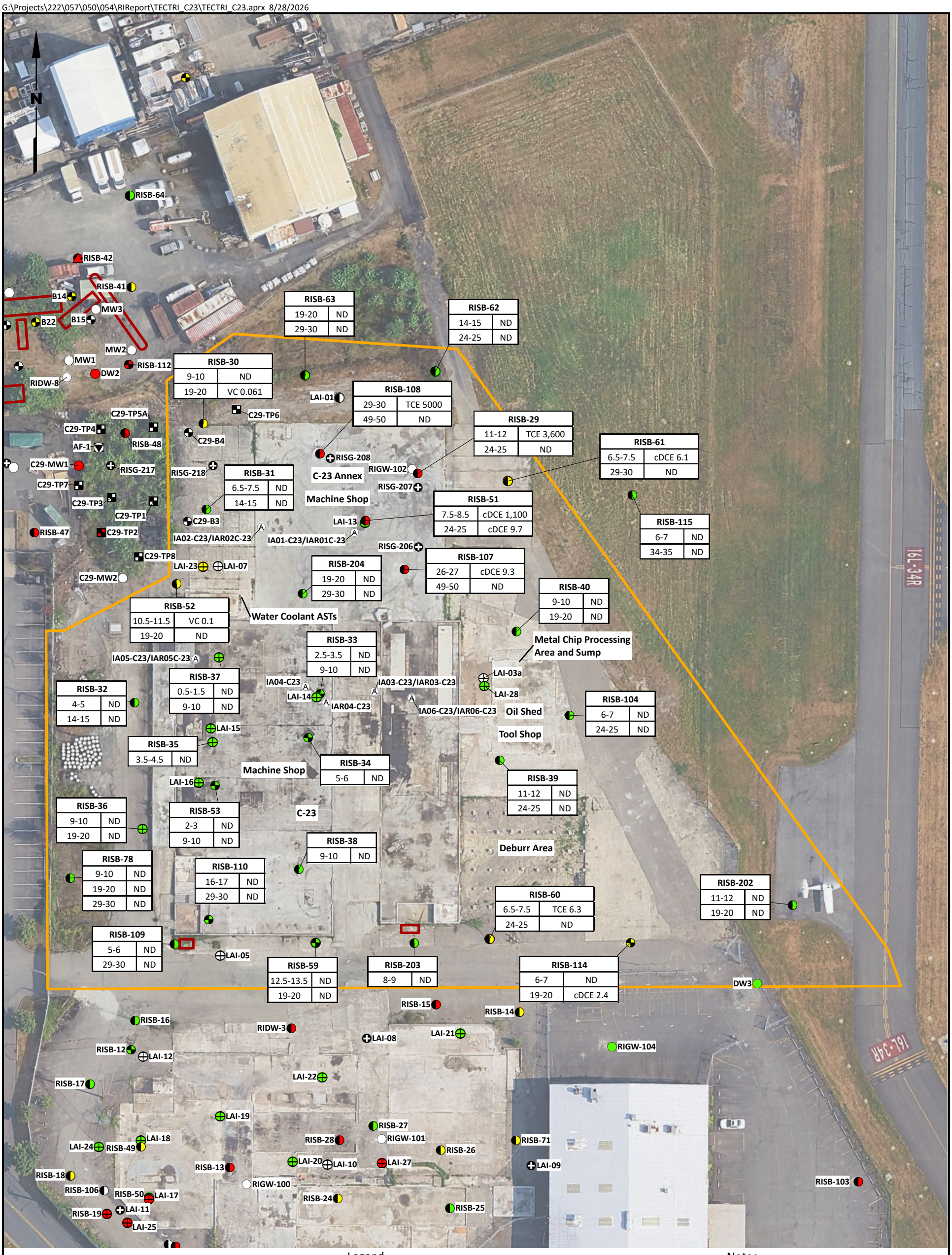
Scale in Feet

TECT Aerospace
Everett, Washington

Building C-23 and C-23 Annex Benzene and TPH in Soil

Figure 10b

G:\Projects\222\057\050\054\RIReport\TECTRI_C23\TECTRI_C23.aprx 8/28/2026



Legend

Color Coding Key

- Concentration Exceeded Site pCUL for One or More Analytes
- One or More Analytes were Detected, but did not Exceed Site pCUL
- Analysis was Conducted, but Results were not detected above Laboratory Reporting Limits
- Sample for this Location Not Analyzed

Sampling Locations

- Ⓐ Indoor Air Sampling Location
- Monitoring Well Location
- Soil Boring Location
- Groundwater Sampling Location
- Soil Gas Sampling Location
- Soil and Groundwater Sampling Location
- Soil and Soil Gas Sampling Location
- Soil, Soil Gas, and Groundwater Sampling Location
- Test Pit

- Building C-23 and C-23 Annex
- Inactive, Removed, or Suspected UST Footprint

Sampling Location	
Screen Depth (ft, BGS)	Maximum PCE, TCE, cDCE, or VC Concentration (µg/kg)

Notes

1. Where more than one constituent was detected or exceeded Site pCUL, the constituent with the highest concentration is shown.
2. pCULs for PCE, TCE, cDCE, and VC are 50, 25, 79, and 1.7 µg/kg, respectively.
3. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

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0 60 120

Scale in Feet

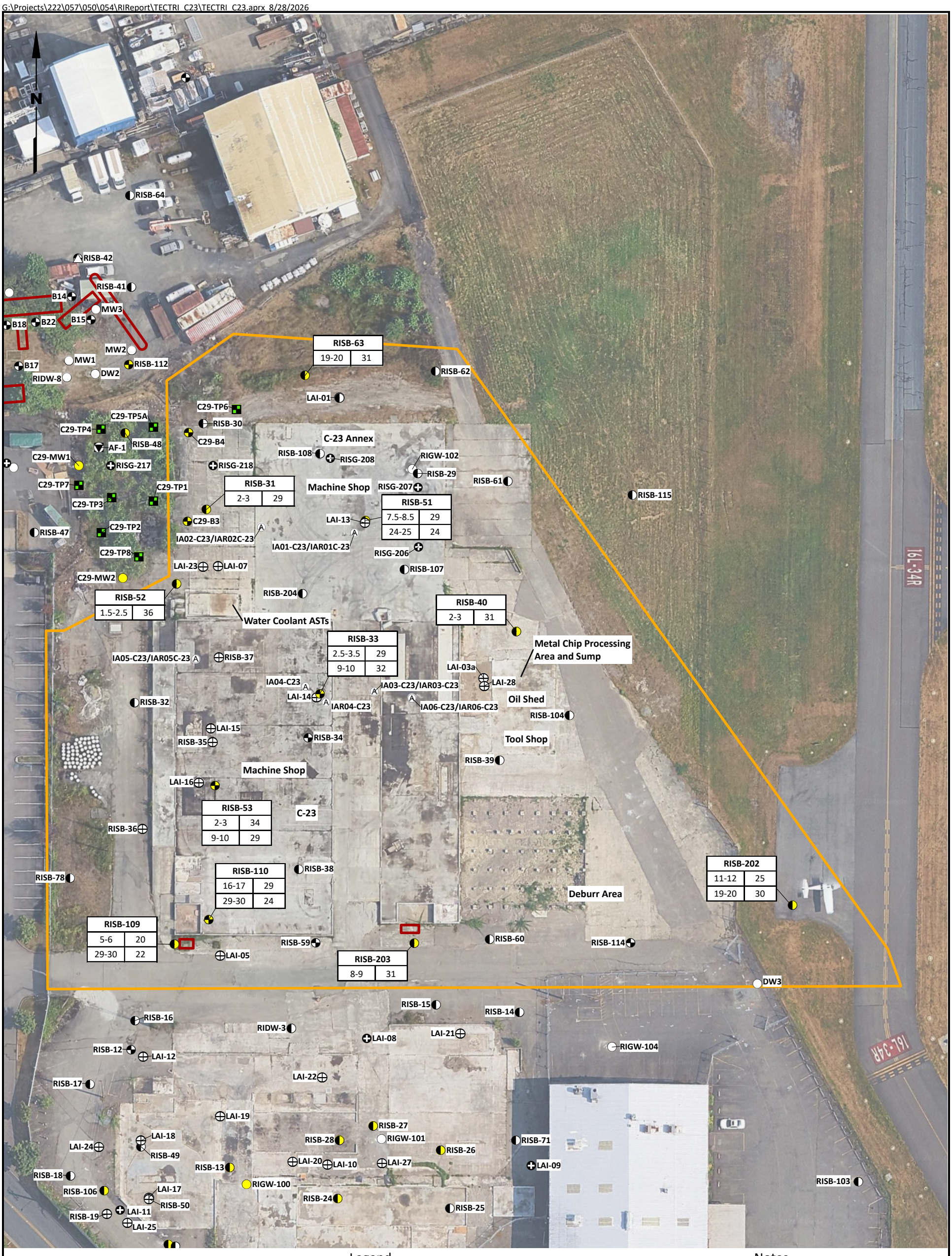
Data Sources: AGI 1999; Landau Associates 2006; Google Earth Pro.

TECT Aerospace
Everett, Washington

Building C-23 and C-23 Annex VOCs in Soil

Figure 10c

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Legend

Color Coding Key

- Concentration Exceeded Site pCUL
- Analyte was Detected, but did not Exceed Site pCUL
- Analysis was Conducted, but Results were not detected above Laboratory Reporting Limits
- Sample from this Location Not Analyzed

Sampling Locations

- Ⓐ Indoor Air Sampling Location
- Monitoring Well Location
- Soil Boring Location
- Groundwater Sampling Location
- Soil Gas Sampling Location
- Soil and Groundwater Sampling Location
- Soil and Soil Gas Sampling Location
- Soil, Soil Gas, and Groundwater Sampling Location
- Test Pit

- Building C-23 and C-23 Annex
- Inactive, Removed, or Suspected UST Footprint

Notes

1. pCUL is 2,000 mg/kg for total chromium.
2. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Sampling Location	
Screen Depth (ft, BGS)	Total Chromium Concentration (mg/kg)

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0 60 120

Scale in Feet

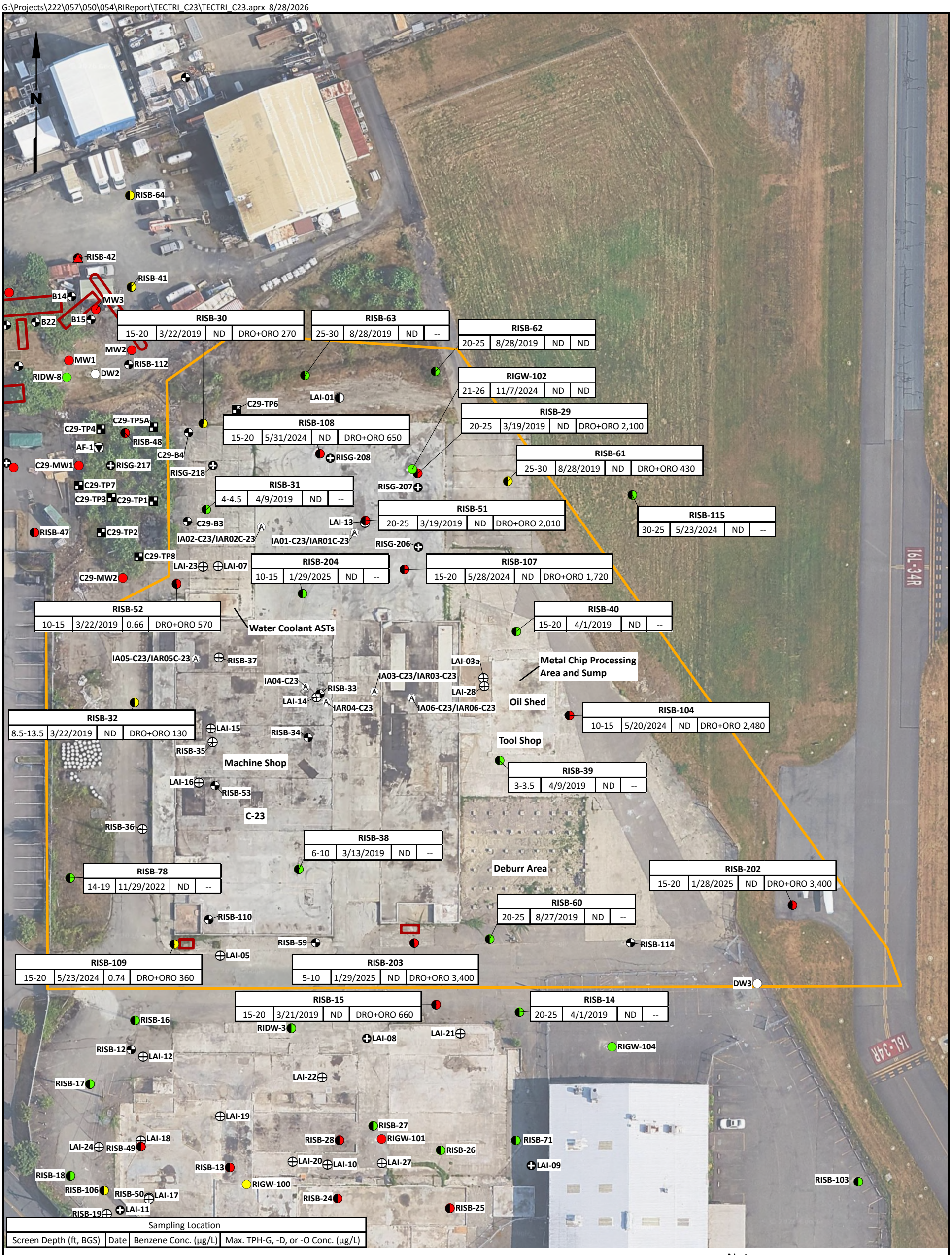
Data Sources: AGI 1999; Landau Associates 2006; Google Earth Pro.

TECT Aerospace
Everett, Washington

Building C-23 and C-23 Annex Metals in Soil

Figure 10d

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Legend

Color Coding Key

- Concentration Exceeded Site Screening Levels for One or More Analytes
- One or More Analytes were Detected, but did not Exceed Site Screening Levels
- Analysis was Conducted, but Results were not detected above Laboratory Reporting Limits
- Sample from this Location Not Analyzed

Sampling Locations

- Ⓐ Indoor Air Sampling Location
- Monitoring Well Location
- Soil Boring Location
- Groundwater Sampling Location
- Soil Gas Sampling Location
- Soil and Groundwater Sampling Location
- Soil and Soil Gas Sampling Location
- Soil, Soil Gas, and Groundwater Sampling Location
- Test Pit

- Building C-23 and C-23 Annex
- Inactive, Removed, or Suspected UST Footprint

Notes

1. Where more than one constituent was detected or exceeded Site pCUL, the constituent with the highest concentration is shown.
2. pCUL for TPH-G is 800 µg/L with benzene present and 1,000 µg/L without benzene present.
3. pCUL for TPH-D and TPH-O are 500 µg/L, separate or combined.
4. pCUL for benzene is 1.6 µg/L.
5. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

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LANDAU ASSOCIATES

0 60 120

Scale in Feet

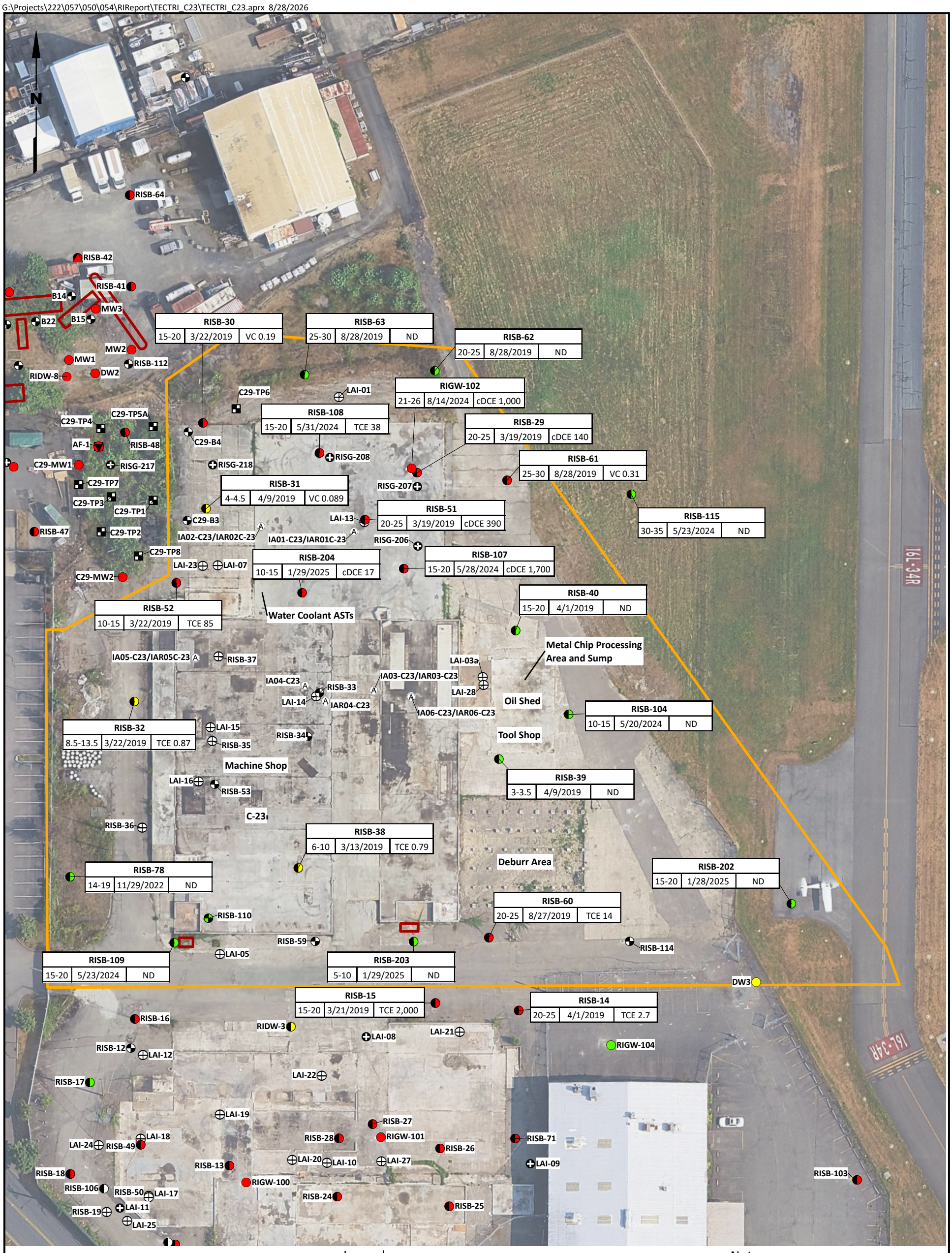
Data Sources: AGI 1999; Landau Associates 2006; Google Earth Pro.

TECT Aerospace
Everett, Washington

Building C-23 and C-23 Annex
TPH and Benzene in Groundwater

Figure
10e

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Legend

Color Coding Key

- Concentration Exceeded Site pCUL for One or More Analytes
- One or More Analytes were Detected, but did not Exceed Site pCUL
- Analysis was Conducted, but Results were not detected above Laboratory Reporting Limits
- Sample from this Location Not Analyzed

Sampling Locations

- Ⓐ Indoor Air Sampling Location
- Monitoring Well Location
- Soil Boring Location
- Groundwater Sampling Location
- Soil Gas Sampling Location
- Soil and Groundwater Sampling Location
- Soil and Soil Gas Sampling Location
- Soil, Soil Gas, and Groundwater Sampling Location
- Test Pit

- Inactive, Removed, or Suspected UST Footprint
- Building C-23 and C-23 Annex

Notes

1. Where more than one constituent was detected or exceeded Site pCUL, the constituent with the highest concentration is shown.
2. pCULs for PCE, TCE, cDCE, and VC are 5, 2.3, 15, and 0.10 µg/L, respectively.
3. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Sampling Location		
Screen Depth (ft, BGS)	Date	Max. PCE, TCE, cDCE, or VC Conc. (µg/L)

Data Sources: AGI 1999; Landau Associates 2006; Google Earth Pro.

DRAFT

LANDAU ASSOCIATES

0 60 120

Scale in Feet

TECT Aerospace
Everett, Washington

Building C-23 and C-23 Annex
VOCs in Groundwater

Figure
10f

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RISB-48			
6.5-11.5	4/5/2019	1.9	2.6

RISB-30			
15-20	3/22/2019	5.8	ND

RIGW-102			
21-26	11/7/2024	6.2	ND

RISB-29			
20-25	3/19/2019	3.7	ND

RISB-47			
7-12	4/5/2019	2.9	ND

C29-MW2			
6-18	11/8/2018	2.9	ND
	9/5/2019	2.9	ND

RISB-32			
8.5-13.5	3/22/2019	7.3	ND

RISB-202			
15-20	1/28/2025	ND	3

RISB-203			
5-10	1/29/2025	23	ND

Legend

Color Coding Key

- Concentration Exceeded Site pCUL for One or More Analytes
- One or More Analytes were Detected, but did not Exceed Site pCULs
- Analysis was Conducted, but Results were not detected above Laboratory Reporting Limits
- Sample from this Location Not Analyzed

Sampling Locations

- Ⓐ Indoor Air Sampling Location
- Monitoring Well Location
- Soil Boring Location
- Groundwater Sampling Location
- Soil Gas Sampling Location
- Soil and Groundwater Sampling Location
- Soil and Soil Gas Sampling Location
- Soil, Soil Gas, and Groundwater Sampling Location
- Test Pit

- Building C-23 and C-23 Annex
- Inactive, Removed, or Suspected UST Footprint

Notes

1. pCUL is 13.6 µg/L for arsenic and 50 µg/L for total chromium.
2. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Sampling Location			
Screen Depth (ft, BGS)	Date	Arsenic Conc. (µg/L)	Total Chromium Conc. (µg/L)

Data Sources: AGI 1999; Landau Associates 2006; Google Earth Pro.

DRAFT

LANDAU ASSOCIATES

0 60 120

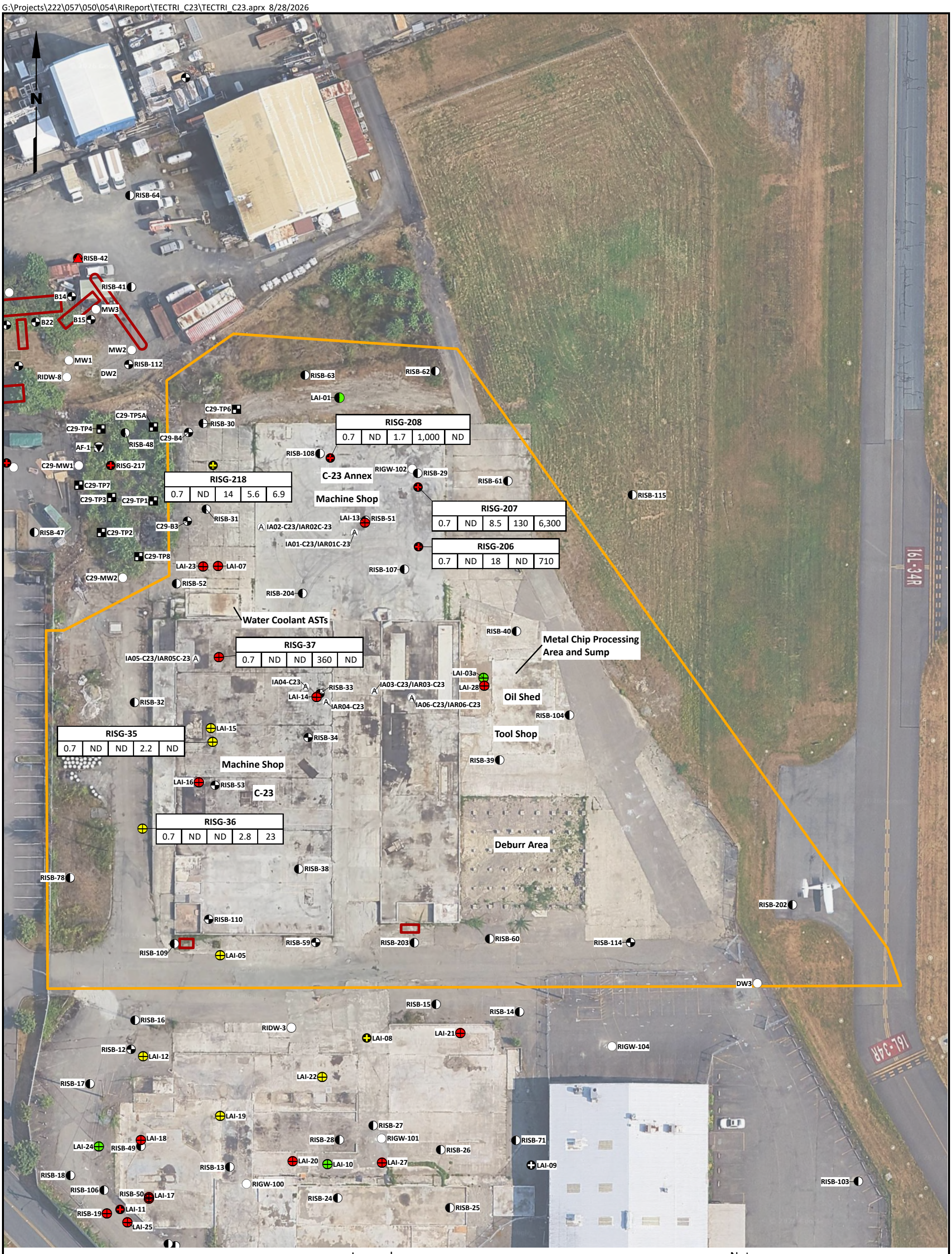
Scale in Feet

TECT Aerospace Leasehold
Everett, Washington

Building C-23 and C-23 Annex
Metals in Groundwater

Figure
10g

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Legend

Color Coding Key

- Concentration Exceeded Site Screening Level for One or More Analytes
- One or More Analytes were Detected, but did not Exceed Site Screening Levels
- Analysis was Conducted, but Results were not detected above Laboratory Reporting Limits
- Sample from this Location Not Analyzed

Sampling Locations

- Ⓐ Indoor Air Sampling Location
- Monitoring Well Location
- Soil Boring Location
- Groundwater Sampling Location
- Soil Gas Sampling Location
- Soil and Groundwater Sampling Location
- Soil and Soil Gas Sampling Location
- Soil, Soil Gas, and Groundwater Sampling Location
- Test Pit

- Building C-23 and C-23 Annex
- Inactive, Removed, or Suspected UST Footprint

Notes

1. Screening Levels for 1,1-DCA, Benzene, TCE, and VC are 240, 50, 95, and 44 µg/m^3, respectively.
2. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Sampling Location				
Sample Depth (ft, BGS)	1,1-DCA Conc. (µg/m^3)	Benzene Conc (µg/m^3)	TCE Conc. (µg/m^3)	VC Conc. (µg/m^3)

Data Sources: AGI 1999; Landau Associates 2006; Google Earth Pro.

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0 60 120

Scale in Feet

TECT Aerospace
Everett, Washington

Building C-23 and C-23 Annex Soil Gas

Figure 10h

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Legend

- Monitoring Well Location
- Decommissioned Deep Aquifer Well Location
- Groundwater Sampling Location
- Soil Boring Location
- Soil and Soil Gas Sampling Location
- Soil Gas Sampling Location
- Test Pit
- RI Soil and Groundwater Sampling Location
- RI Soil, Soil Gas, and Groundwater Sampling Location
- Former Building C-29/Former East Fuel Farm Investigation Area
- Inactive, Removed, or Suspected UST Footprint

0 80 160

Scale in Feet

DRAFT

Notes

1. UST = Underground Storage Tank
2. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Data Sources: AGI 1999; Landau Associates 2006; Google Earth Pro.

LANDAU ASSOCIATES

TECT Aerospace
Everett, Washington

Former Building C-29/Former Fuel Farm Investigation Locations

Figure
11a

G:\Projects\222\057\050\054\RIReport\TECTRI_C29\TECTRI_C29.aprx 8/28/2026



Legend

Color Coding Key

- Concentration Exceeded Site pCUL for One or More Analytes
- One or More Analytes were Detected, but did not Exceed Site pCULs
- Analysis was Conducted, but Results were not detected above Laboratory Reporting Limits
- Sample from this Location Not Analyzed

Sampling Locations

- Monitoring Well Location
- Soil Boring Location
- Groundwater Sampling Location
- Soil Gas Sampling Location
- Soil and Groundwater Sampling Location
- Soil and Soil Gas Sampling Location
- Soil, Soil Gas, and Groundwater Sampling Location
- Test Pit

- Former Building C-29/Former East Fuel Farm Investigation Area
- Inactive, Removed, or Suspected UST Footprint

Notes

1. Where more than one constituent was detected or exceeded site pCUL, the constituent with the highest concentration is shown.
2. pCULs for TPH-G are 30 mg/kg with benzene present and 100 mg/kg without benzene present.
3. pCUL for TPH-D and TPH-O are 2,000 mg/kg, separate or combined.
4. pCUL for benzene is 27 µg/kg.
5. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

DRAFT

LANDAU ASSOCIATES

0 90 180

Scale in Feet

Data Sources: AGI 1999; Landau Associates 2006; Google Earth Pro.

TECT Aerospace
Everett, Washington

Former Building C-29/Former Fuel Farm Benzene and TPH in Soil

Figure 11b-1

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Legend

Color Coding Key

- Concentration Exceeded Site pCUL for One or More Analytes
- One or More Analytes were Detected, but did not Exceed Site Screening pCULs
- Analysis was Conducted, but Results were not detected above Laboratory Reporting Limits
- Sample from this Location Not Analyzed

Sampling Locations

- Monitoring Well Location
- Soil Boring Location
- Groundwater Sampling Location
- Soil Gas Sampling Location
- Soil and Groundwater Sampling Location
- Soil and Soil Gas Sampling Location
- Soil, Soil Gas, and Groundwater Sampling Location
- Test Pit

- Former Building C-29/Former East Fuel Farm Investigation Area
- Inactive, Removed, or Suspected UST Footprint

Notes

1. Where more than one constituent was detected or exceeded Site pCUL, the constituent with the highest concentration is shown.
2. pCULs for TPH-G are 30 mg/kg with benzene present and 100 mg/kg without benzene present.
3. pCUL for TPH-D and TPH-O are 2,000 mg/kg, separate or combined.
4. pCUL for benzene is 27 µg/kg.
5. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Data Sources: AGI 1999; Landau Associates 2006; Google Earth Pro.

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0 20 40

Scale in Feet

TECT Aerospace
Everett, Washington

Former Building C-29/Former Fuel Farm Benzene and TPH in Soil

Figure 11b-2

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N

Aviation Technical Services (Hangar 1)

See Figure 11c-2

Former Building C-27

RISB-74	
7-8	VC 0.069
19-20	ND
29-30	ND

RISB-75	
7-8	ND
17-18	ND
29-30	ND

RISB-205	
14-20	ND

RISB-65	
5-6	TCE 1.7
19-20	ND

RISB-76	
9-10	TCE 1,000
19-20	TCE 6,400
29-30	TCE 3.2

RISB-80	
9-10	TCE 3,500
11-12	TCE 15,000
24-25	TCE 2,900
34-35	ND
39-40	ND

RISB-66	
9-10	TCE 3,900
44-45	TCE 6.8

RISB-45	
14-15	TCE 230,000
34-35	TCE 17

RISB-67	
14-15	TCE 7,900
54-55	TCE 9.8

RISB-116	
13-14	ND
28-29	ND
39-40	ND

RISB-77	
9-10	VC 0.11
19-20	TCE 13
29-30	ND

RISB-46	
7.5-8.5	TCE 3,500
29.5-30.5	cDCE 22
39-40	VC 0.12

RISB-68	
26.5-27.5	TCE 7,900
49-50	ND

RISB-111	
8-9	ND
29-30	cDCE 520

RISB-79	
9-10	ND
19-20	ND
29-30	ND

RISB-117	
1-2	ND
29-30	ND

RIDW-5, RIDW-6, RIDW-4, RIDW-3, RISG-100, RISG-102, RISG-101, RISG-209, RISG-210, RISG-211, RISG-212, RISG-213, RISG-214, RIGW-2, RIGW-1, RIGW-100, RIGW-103, RISB-84, RISB-37, RISB-32, RISB-35, RISB-53, RISB-36, RISB-78, RISB-110, RISB-109, RISB-16, RISB-12, RISB-17, RISB-49, RISB-50, RISB-13, RISB-18, RISB-106, RISB-19, RISB-105, RISB-21, RISB-20, RISB-22, RISB-205, LAI-15, LAI-16, LAI-05, LAI-12, LAI-19, LAI-18, LAI-24, LAI-17, LAI-11, LAI-25, LAI-26, RISG-204, RISG-205, C29-TP6, IA02-C23/IAR02C-23, IA05-C23/IAR05C-23

Legend

Color Coding Key

- Concentration Exceeded pCUL for One or More Analytes
- One or More Analytes were Detected, but did not Exceed pCUL
- Analysis was Conducted, but Results were not detected above Laboratory Reporting Limits
- Sample from this Location Not Analyzed

Sampling Locations

- Monitoring Well Location
- Soil Boring Location
- Groundwater Sampling Location
- Soil Gas Sampling Location
- Soil and Groundwater Sampling Location
- Soil and Soil Gas Sampling Location
- Soil, Soil Gas, and Groundwater Sampling Location
- Test Pit

- Former Building C-29/Former East Fuel Farm Investigation Area
- Inactive, Removed, or Suspected UST Footprint

Notes

1. Where more than one constituent was detected or exceeded Site pCUL, the constituent with the highest concentration is shown.
2. pCULs for PCE, TCE, cDCE, and VC are 50, 25, 79, and 1.7 µg/kg, respectively.
3. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Sampling Location	
Screen Depth (ft, BGS)	Maximum PCE, TCE, cDCE, or VC Concentration (µg/kg)

Data Sources: AGI 1999; Landau Associates 2006; King County GIS.

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0 90 180

Scale in Feet

TECT Aerospace
Everett, Washington

Former Building C-29/Former Fuel Farm VOCs in Soil

Figure 11c-1

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RISB-43	
6-7	TCE 3.4
14-15	TCE 1.8

RISB-64	
10-11	ND
24-25	ND

RISB-42	
6.5-7.5	cDCE 34
11.5-12.5	cDCE 820
19-20	VC 0.13

RISB-41	
5.5-6.5	TCE 4.2
19-20	TCE 2.4

RISB-112	
9-10	cDCE 1,700
14-15	cDCE 2,700
29-30	ND

RISB-44	
10.5-11.5	TCE 7,000
19-20	cDCE 13

RISB-48	
5.5-6.5	cDCE 1,000
9-10	TCE 2,700
14-15	TCE 1.5

RISB-47	
6.5-7.5	TCE 9,600
27-28	ND

N

HMB1 B19 MW4 B14 MW3 B15 B22 B18 MW2 MW1 B17 DW2 RIDW-8 RIGW-3 RISG-215 RISG-216 SCPWD-1 C29-MW1 RISG-217 RISG-218 TC-2 C29-TP7 C29-TP4 C29-TP5A C29-B4 RISB-30 AF-1 C29-TP3 C29-TP1 RISB-31 C29-B3 C29-TP2 C29-TP8 LAI-23 LAI-07 TC-3 C29-MW2 RISB-52

Existing 25,000 gallon UST No. 93

Unidentified Potential 5,000-10,000 gallon UST

Unidentified Existing 12,000 gallon UST

Former Pump Island

Former East Fuel Farm

Removed 12,000 gallon UST No. 95B

Former Building C-27

Legend

Color Coding Key

- Concentration Exceeded pCUL for One or More Analytes
- One or More Analytes were Detected, but did not Exceed pCUL
- Analysis was Conducted, but Results were not detected above Laboratory Reporting Limits
- Sample from this Location Not Analyzed

Sampling Locations

- Monitoring Well Location
- Soil Boring Location
- Groundwater Sampling Location
- Soil Gas Sampling Location
- Soil and Groundwater Sampling Location
- Soil and Soil Gas Sampling Location
- Soil, Soil Gas, and Groundwater Sampling Location
- Test Pit

- Former Building C-29/Former East Fuel Farm Investigation Area
- Inactive, Removed, or Suspected UST Footprint

Notes

1. Where more than one constituent was detected or exceeded Site pCUL, the constituent with the highest concentration is shown.
2. pCULs for PCE, TCE, cDCE, and VC are 50, 25, 79, and 1.7 µg/kg, respectively.
3. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Sampling Location	
Screen Depth (ft, BGS)	Maximum PCE, TCE, cDCE, or VC Concentration (µg/kg)

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Scale in Feet

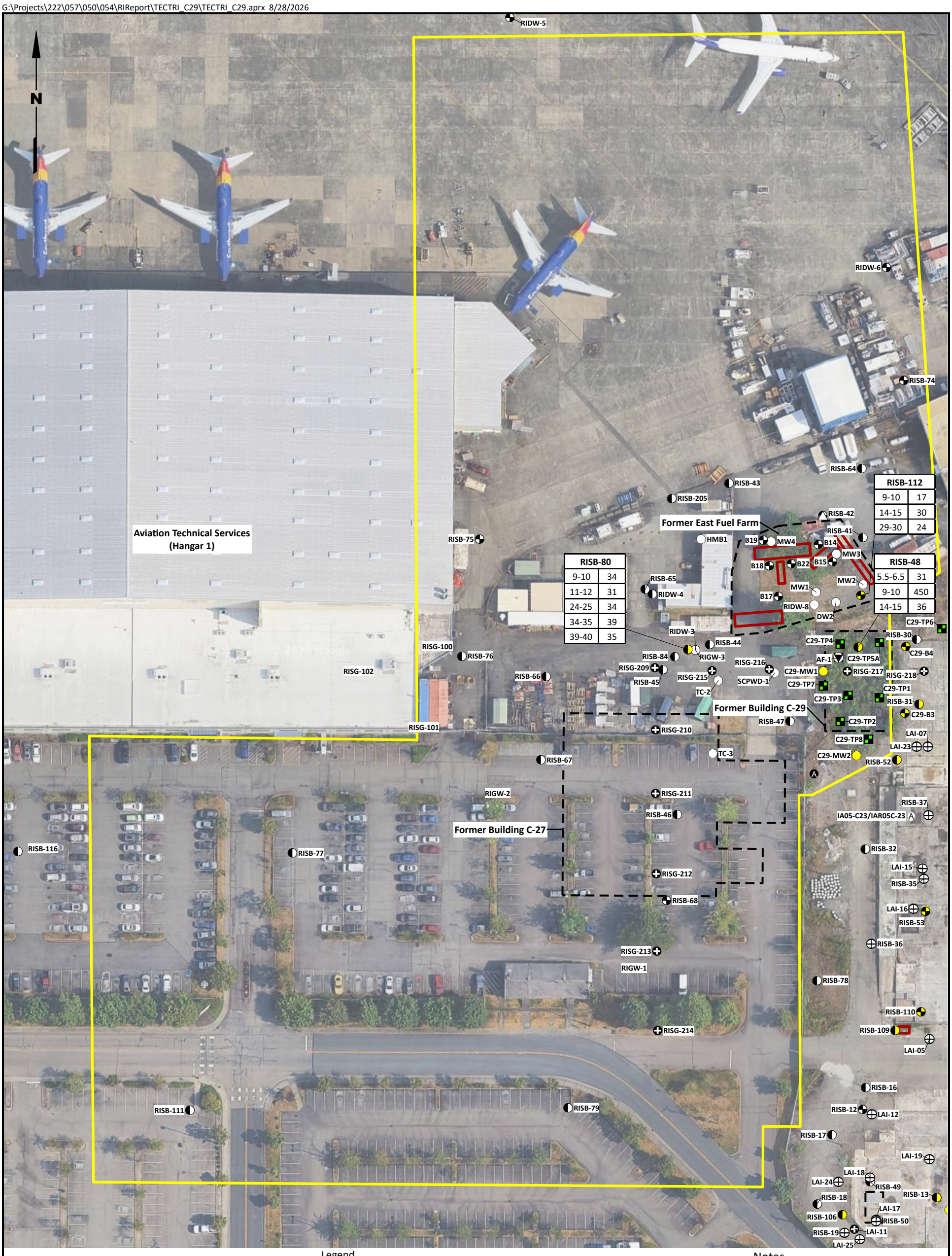
Data Sources: AGI 1999; Landau Associates 2006; Google Earth Pro.

TECT Aerospace
Everett, Washington

Former Building C-29/Former Fuel Farm VOCs in Soil

Figure 11c-2

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RISB-80	
9-10	34
11-12	31
24-25	34
34-35	39
39-40	35

RISB-112	
9-10	17
14-15	30
29-30	24

RISB-48	
5.5-6.5	31
9-10	450
14-15	36

Legend

Color Coding Key
- Concentration Exceeded Site pCUL for One or More Analytes
- Analyte was Detected, but did not Exceed Site pCULs
- Analysis was Conducted, but Results were not detected above Laboratory Reporting Limits
- Sample from this Locatin Not Analyzed

Sampling Locations
- Monitoring Well Location
- Soil Boring Location
- Groundwater Sampling Location
- Soil Gas Sampling Location
- Soil and Groundwater Sampling Location
- Soil and Soil Gas Sampling Location
- Soil, Soil Gas, and Groundwater Sampling Location
- Test Pit

- Former Building C-29/Former East Fuel Farm Investigation Area
- Inactive, Removed, or Suspected UST Footprint

Notes
1. pCUL is 2,000 mg/kg for total chromium.
2. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Sampling Location	
Screen Depth (ft, BGS)	Total Chromium Concentration (mg/kg)

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0 80 160

Scale in Feet

Data Sources: AGI 1999; Landau Associates 2006; Google Earth Pro.

TECT Aerospace
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Former Building C-29/Former Fuel Farm Metals in Soil

Figure 11d

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Legend

Color Coding Key

- Concentration Exceeded Site pCUL for One or More Analytes
- One or More Analytes were Detected, but did not Exceed Site pCUL
- Analysis was Conducted, but Results were not detected above Laboratory Reporting Limits
- Sample from this Location Not Analyzed

Sampling Locations

- Monitoring Well Location
- Soil Boring Location
- Groundwater Sampling Location
- Soil Gas Sampling Location
- Soil and Groundwater Sampling Location
- Soil and Soil Gas Sampling Location
- Soil, Soil Gas, and Groundwater Sampling Location
- Test Pit

- Former Building C-29/Former East Fuel Farm Investigation Area
- Inactive, Removed, or Suspected UST Footprint

Notes

1. Where more than one constituent was detected or exceeded Site pCUL, the constituent with the highest concentration is shown.
2. pCUL for TPH-G is 800 µg/L with benzene present and 1,000 µg/L without benzene present.
3. pCUL for TPH-D and TPH-O are 500 µg/L, separate or combined.
4. pCUL for benzene is 1.6 µg/L.
5. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

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0 90 180

Scale in Feet

Data Sources: AGI 1999; Landau Associates 2006; Google Earth Pro.

TECT Aerospace
Everett, Washington

Former Building C-29/Former Fuel Farm Benzene and TPH in Groundwater

Figure 11e-1

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N

RISB-43			
8-13	4/4/2019	ND	ND

RISB-64			
15-20	8/30/2019	ND	DRO+ORO 240

RISB-42			
10-15	4/3/2019	15	DRO+ORO 1,900

RISB-41			
15-20	4/4/2019	ND	DRO+ORO 150

MW4			
7-17	11/6/2024	6.3	DRO+ORO 1,300

HMB1			
8-18	8/29/2019	ND	DRO+ORO 540

MW3			
12.5-17.5	8/13/2024	9.2	DRO+ORO 660

B19 B14 B22 B18 B15 B17 DW2 RIDW-8 RISB-112

Existing 25,000 gallon UST No. 93

Former Pump Island

Unidentified Existing 12,000 gallon UST

Former East Fuel Farm

Unidentified Potential 5,000-10,000 gallon UST

Removed 12,000 gallon UST No. 95B

MW1			
14.5-24.5	8/13/2024	40	DRO+ORO 400

MW2			
12-17	8/13/2024	9.6	DRO+ORO 180

RISB-30			
15-20	3/22/2019	ND	DRO+ORO 270

RISB-44			
12-17	4/5/2019	ND	DRO+ORO 260

Former Building C-27

C29-TP4 C29-TP5A C29-B4 AF-1 C29-TP7 C29-TP3 C29-TP1 C29-B3 C29-TP2 C29-TP8

RIGW-3			
15-20	8/14/2025	ND	ND

RISB-48			
6.5-11.5	4/5/2019	4	DRO+ORO 9,900

C29-MW1			
15-20	11/8/2018	3.4	DRO+ORO 1,850

RISB-31			
4-4.5	4/9/2019	ND	--

RISG-215 RISG-216 RISG-217 RISG-218

SCPWD-1			
15-20	11/8/2018	3.7	DRO+ORO 900

TC-2

RISB-47			
7-12	4/5/2019	2	DRO+ORO 840

C29-MW2			
--	8/13/2024	ND	DRO+ORO 1,260

LAI-23 LAI-07

RISB-52			
10-15	3/22/2019	0.66	DRO+ORO 570

Sampling Location			
Screen Depth (ft, BGS)	Date	Benzene Conc. (µg/L)	Max. TPH-G, -D, or -O Conc. (µg/L)

Legend

Color Coding Key

- Concentration Exceeded Site pCUL for One or More Analytes
- One or More Analytes were Detected, but did not Exceed Site pCUL
- Analysis was Conducted, but Results were not detected above Laboratory Reporting Limits
- Sample from this Location Not Analyzed

Sampling Locations

- Monitoring Well Location
- Soil Boring Location
- Groundwater Sampling Location
- Soil Gas Sampling Location
- Soil and Groundwater Sampling Location
- Soil and Soil Gas Sampling Location
- Soil, Soil Gas, and Groundwater Sampling Location
- Test Pit

- Former Building C-29/Former East Fuel Farm Investigation Area
- Inactive, Removed, or Suspected UST Footprint

Notes

1. Where more than one constituent was detected or exceeded Site pCUL, the constituent with the highest concentration is shown.
2. pCUL for TPH-G is 800 µg/L with benzene present and 1,000 µg/L without benzene present.
3. pCUL for TPH-D and TPH-O are 500 µg/L, separate or combined.
4. pCUL for benzene is 1.6 µg/L.
5. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Data Sources: AGI 1999; Landau Associates 2006; Google Earth Pro.

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0 20 40

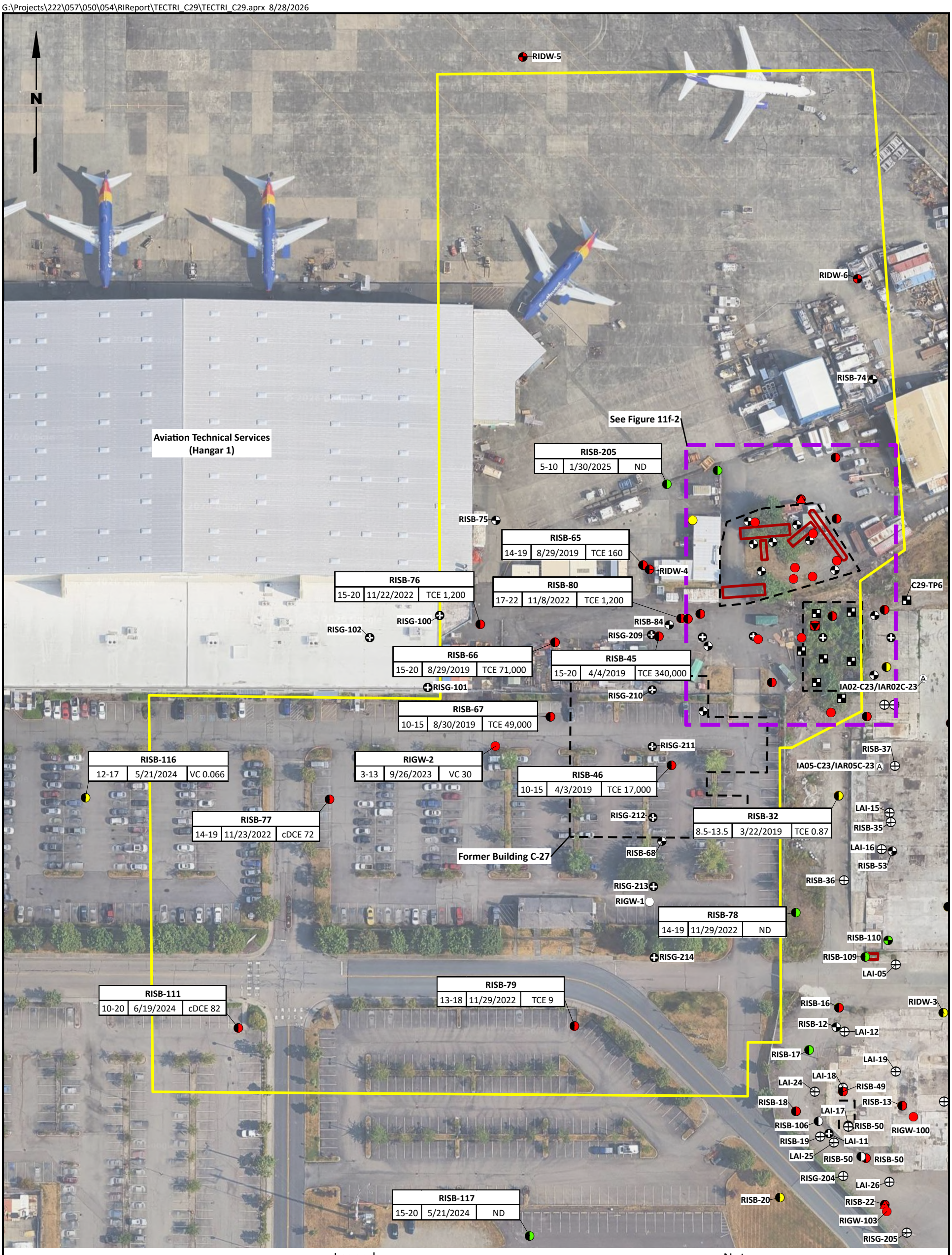
Scale in Feet

TECT Aerospace
Everett, Washington

Former Building C-29/Former Fuel Farm Benzene and TPH in Groundwater

Figure 11e-2

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Legend

Color Coding Key

- Concentration Exceeded Site pCUL for One or More Analytes
- One or More Analytes were Detected, but did not Exceed Site pCUL
- Analysis was Conducted, but Results were not detected above Laboratory Reporting Limits
- Sample from this Location Not Analyzed

Sampling Locations

- Monitoring Well Location
- Soil Boring Location
- Groundwater Sampling Location
- Soil Gas Sampling Location
- Soil and Groundwater Sampling Location
- Soil and Soil Gas Sampling Location
- Soil, Soil Gas, and Groundwater Sampling Location
- Test Pit

- Former Building C-29/Former East Fuel Farm Investigation Area
- Inactive, Removed, or Suspected UST

Notes

1. Where more than one constituent was detected or exceeded Site pCUL, the constituent with the highest concentration is shown.
2. pCULs for PCE, TCE, cDCE, and VC are 5, 2.3, 15, and 0.10 µg/L, respectively.
3. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Sampling Location		
Screen Depth (ft, BGS)	Date	Max. PCE, TCE, cDCE, or VC Conc. (µg/L)

Data Sources: AGI 1999; Landau Associates 2006; Google Earth Pro.

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0 90 180

Scale in Feet

TECT Aerospace
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Former Building C-29/Former Fuel Farm VOCs in Groundwater

Figure 11f-1

G:\Projects\222\057\050\054\RIReport\TECTRI_C29\TECTRI_C29.aprx 8/28/2026

N

RISB-43		
8-13	4/4/2019	ND

RISB-64		
15-20	8/30/2019	TCE 18

RISB-42		
10-15	4/3/2019	cDCE 1,100

RISB-41		
15-20	4/4/2019	VC 0.11

MW4		
7-17	8/30/2019	TCE 2.6

HMB1		
8-18	8/29/2019	TCE 0.72

MW3		
12.5-17.5	8/30/2019	cDCE 2,300

MW1		
14.5-24.5	11/5/2018	cDCE 5,500

MW2		
12-17	8/13/2024	cDCE 980

RISB-44		
12-17	4/5/2019	cDCE 1,700

RISB-30		
15-20	3/22/2019	VC 0.19

RIGW-3		
15-20	11/5/2024	TCE 2,600

RISB-48		
6.5-11.5	4/5/2019	cDCE 3,600

C29-MW1		
15-20	8/14/2024	TCE 17,000

SCPWD-1		
15-20	8/29/2019	TCE 10,000

RISB-31		
4-4.5	4/9/2019	VC 0.089

RISB-47		
7-12	4/5/2019	TCE 24,000

C29-MW2		
--	9/5/2019	TCE 250

RISB-52		
10-15	3/22/2019	TCE 85

B19 B14 B22 B18 B15 B17 RISB-112 DW2 RIDW-8 C29-TP4 C29-TP5A C29-B4 AF-1 RISG-215 RISG-216 RISG-217 RISG-218 TC-2 C29-TP7 C29-TP3 C29-TP1 C29-B3 C29-TP2 C29-TP8 LAI-23 LAI-07 TC-3

Existing 25,000 gallon UST No. 93

Former Pump Island

Unidentified Existing 12,000 gallon UST

Former East Fuel Farm

Unidentified Potential 5,000-10,000 gallon UST

Removed 12,000 gallon UST No. 95B

Former Building C-27

Legend

Color Coding Key

- Concentration Exceeded Site pCUL for One or More Analytes
- One or More Analytes were Detected, but did not Exceed Site pCUL
- Analysis was Conducted, but Results were not detected above Laboratory Reporting Limits
- Sample from this Location Not Analyzed

Sampling Locations

- Monitoring Well Location
- Soil Boring Location
- Groundwater Sampling Location
- Soil Gas Sampling Location
- Soil and Groundwater Sampling Location
- Soil and Soil Gas Sampling Location
- Soil, Soil Gas, and Groundwater Sampling Location
- Test Pit

- Former Building C-29/Former East Fuel Farm Investigation Area
- Inactive, Removed, or Suspected UST

Notes

1. Where more than one constituent was detected or exceeded Site pCUL, the constituent with the highest concentration is shown.
2. pCULs for PCE, TCE, cDCE, and VC are 5, 2.3, 15, and 0.10 µg/L, respectively.
3. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Sampling Location		
Screen Depth (ft, BGS)	Date	Max. PCE, TCE, cDCE, or VC Conc. (µg/L)

Data Sources: AGI 1999; Landau Associates 2006; Google Earth Pro.

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0 20 40

Scale in Feet

TECT Aerospace
Everett, Washington

Former Building C-29/Former Fuel Farm VOCs in Groundwater

Figure 11f-2

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Legend

Color Coding Key

- Concentration Exceeded pCUL for One or More Analytes
- One or More Analytes were Detected, but did not Exceed Site pCUL
- Analysis was Conducted, but Results were not detected above Laboratory Reporting Limits
- Sample from this Location Not Analyzed

Sampling Locations

- Monitoring Well Location
- Soil Boring Location
- Groundwater Sampling Location
- Soil Gas Sampling Location
- Soil and Groundwater Sampling Location
- Soil and Soil Gas Sampling Location
- Soil, Soil Gas, and Groundwater Sampling Location
- Test Pit

- Former Building C-29/Former East Fuel Farm Investigation Area
- Inactive, Removed, or Suspected UST Footprint

Notes

1. pCUL is 13.6 µg/L for arsenic and 50 µg/L for total chromium
2. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Sampling Location			
Screen Depth (ft, BGS)	Date	Arsenic Conc. (µg/L)	Total Chromium Conc. (µg/L)

Data Sources: AGI 1999; Landau Associates 2006; Google Earth Pro.

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0 50 100

Scale in Feet

TECT Aerospace
Everett, Washington

Former Building C-29/Former Fuel Farm Metals in Groundwater

Figure 11g

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N

RISG-42				
0.7	ND	ND	ND	2,000

RISG-100				
0.7	ND	3.2	9.1	ND

RISG-209				
0.7	570	ND	92,000	21,000

RISG-217				
0.7	ND	ND	160,000	7,100

RISG-102				
0.7	ND	5.7	10	210

RISG-215				
0.7	ND	ND	170,000	12,000

RISG-101				
0.7	ND	ND	ND	ND

RISG-216				
0.7	6.2	13	310	30

RISG-210				
0.7	8.2	ND	27,000	70

RISG-211				
0.7	140	1,300	51,000	43

RISG-212				
0.7	ND	3.1	17,000	ND

RISG-213				
0.7	24	1.6	50,000	ND

RISG-214				
0.7	74	ND	12,000	2,300

RISB-74, RISB-64, RISB-43, RISB-205, RISB-75, HMB1, B19, MW4, B14, RISB-41, MW3, B15, B18, B22, MW2, MW1, B17, RISB-112, RIDW-8, DW2, RISB-65, RIDW-4, RISB-44, RISB-80, RIGW-3, RISB-84, RISB-45, RISB-76, RISB-66, TC-2, SCPWD-1, C29-TP4, C29-TP5A, RISB-30, C29-B4, RISB-48, AF-1, C29-MW1, RISB-218, C29-TP7, C29-TP3, C29-TP1, RISB-31, C29-B3, RISB-47, C29-TP2, C29-TP8, LAI-23, TC-3, C29-MW2, RISB-52, RISB-67, RISB-46, IA05-C23/IAR05C-23 A, RISB-32, LAI-15, RISB-35, RISB-68, LAI-16, RISB-36, RISB-78, RISB-110, RISB-109, RISB-16

Legend

Color Coding Key

- Concentration Exceeded Site Screening Level for One or More Analytes
- One or More Analytes were Detected, but did not Exceed Site Screening Levels
- Analysis was Conducted, but Results were not detected above Laboratory Reporting Limits
- Sample from this Location Not Analyzed

Sampling Locations

- Ⓐ Indoor Air Sampling Location
- ○ Monitoring Well Location
- ◓ Soil Boring Location
- ▼ Groundwater Sampling Location
- ⊕ Soil Gas Sampling Location
- ◐ Soil and Groundwater Sampling Location
- ⊕ Soil and Soil Gas Sampling Location
- ▲ Soil, Soil Gas, and Groundwater Sampling Location
- ▪ Test Pit

- Former Building C-29/Former East Fuel Farm Investigation Area
- Inactive, Removed, or Suspected UST Footprint

Notes

1. Screening Levels for 1,1-DCA, Benzene, TCE, and VC are 240, 50, 95, and 44 µg/m^3, respectively.
2. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Sampling Location				
Sample Depth (ft, BGS)	1,1-DCA Conc. (µg/m^3)	Benzene Conc (µg/m^3)	TCE Conc. (µg/m^3)	VC Conc. (µg/m^3)

Data Sources: AGI 1999; Landau Associates 2006; Google Earth Pro.

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0 50 100

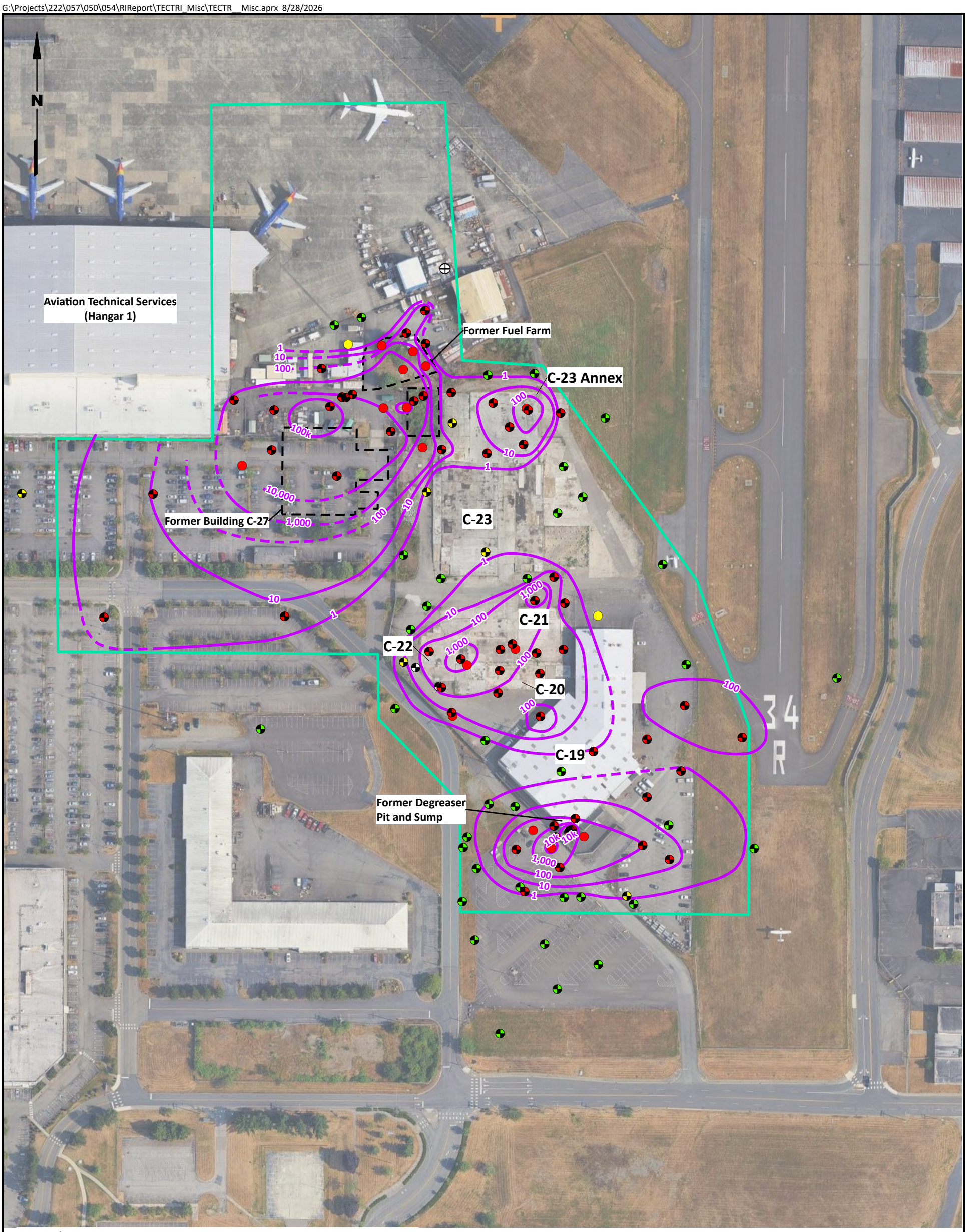
Scale in Feet

TECT Aerospace Leasehold
Everett, Washington

Former Building C-29/Former Fuel Farm Soil Gas

Figure 11h

G:\Projects\222\057\050\054\RIReport\TECTRI_Misc\TECTR__Misc.aprx 8/28/2026



Legend

- Monitoring Well
- Soil Boring
- Dry Boring
- Groundwater TCE Concentration Contour in micrograms per liter
- Estimated Groundwater TCE Concentration Contour in micrograms per liter
- Approximate Site Boundary
- Concentration Exceeded pCUL for One or More VOC Analytes
- One or More Analytes were Detected, but did not Exceed Site pCUL
- Analysis was Conducted, but Results were not Detected above Laboratory Reporting Limits
- Sample from this Location Not Analyzed

Notes

1. TCE = trichloroethene.
2. µg/L = micrograms per liter.
3. pCUL = preliminary cleanup level.
4. VOC = volatile organic compound.
5. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

0 170 340

Scale in Feet

Data Sources: AGI 1999; Landau Associates 2006; Google Earth Pro.

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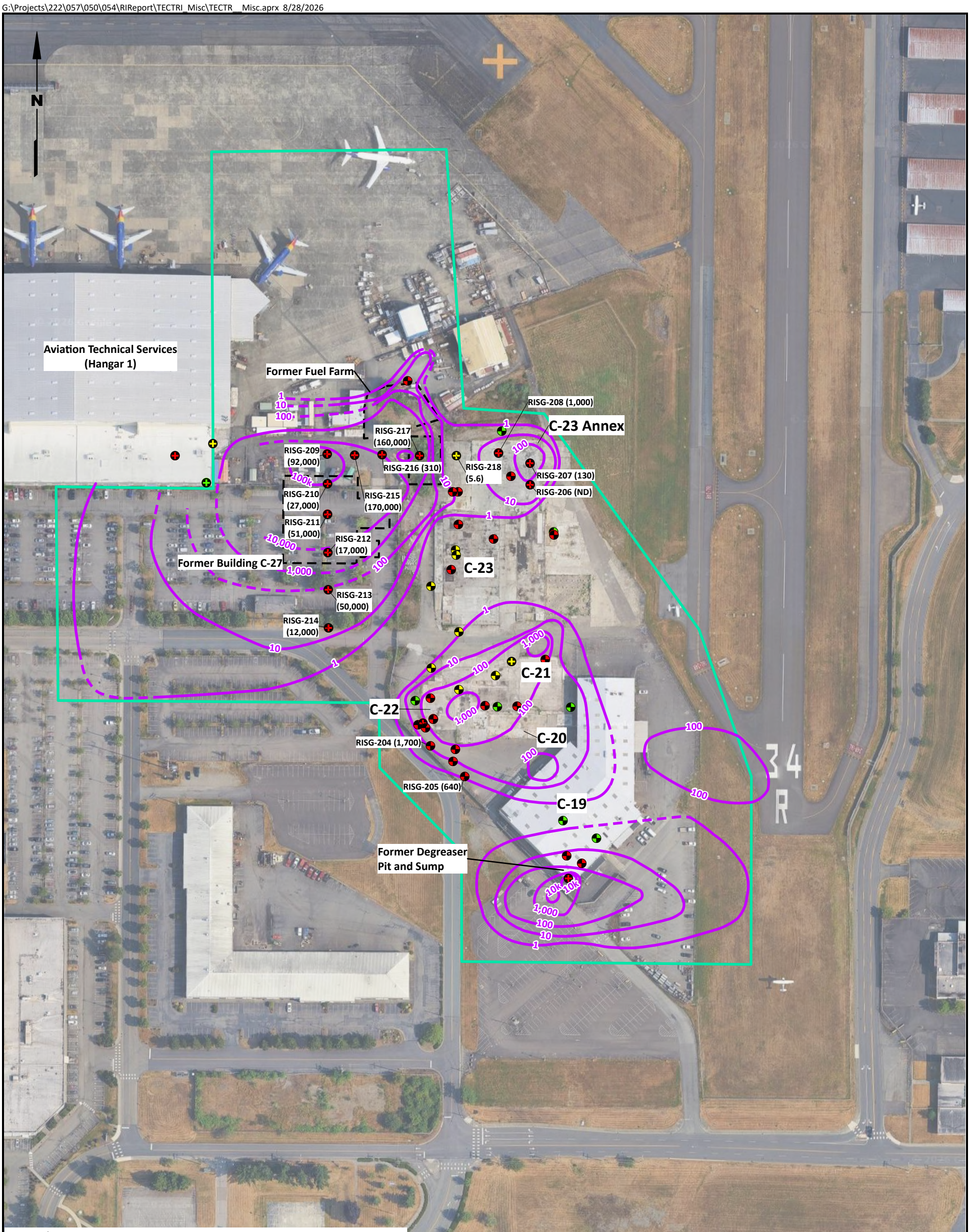
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TECT Aerospace
Everett, Washington

TCE Concentration Contours in Perched Groundwater

Figure 12

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Legend

- Soil Boring
- Soil Gas Probe
- Groundwater TCE Concentration Contour in micrograms per liter
- Estimated Groundwater TCE Concentration Contour in micrograms per liter
- Approximate Site Boundary
- Soil Gas TCE Concentration Exceeded Site Screening Level
- Soil Gas TCE Concentration was Below Site Screening Level
- Analysis was Conducted, but Results were not Detected above Laboratory Reporting Limits
- Sample from this Location Not Analyzed

0 170 340

Scale in Feet

Exploration Key

RISG = Soil Gas Probe

( ) = TCE Concentration in µg/m³

Notes

1. TCE Screening Level in Soil Gas = 95 µg/m³.
2. TCE pCUL in Groundwater = 2.3 µg/L.
3. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

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Data Sources: AGI 1999; Landau Associates 2006; Google Earth Pro.

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TECT Aerospace
Everett, Washington

Site-Wide TCE Concentrations in Soil Gas

Figure 13

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Legend

- Soil and Groundwater Sampling Location
- Monitoring Well Location
- Decommissioned Monitoring Well

0 125 250

Scale in Feet

Note

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

Data Sources: AGI 1999; Landau Associates 2006; Google Earth Pro.

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TECT Aerospace Everett, Washington	**Deep Aquifer Exploration Locations**	Figure 14

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Legend

Color Coding Key

- Concentration Exceeded Site pCUL for One or More Analytes
- One or More Analytes were Detected, but did not Exceed Site pCULs
- Analysis was Conducted, but Results were not detected above Laboratory Reporting Limits
- Sample from this Location Not Analyzed

○ Monitoring Well

Sampling Location		
Screen Depth (ft, BGS)	Date	Max. PCE, TCE, cDCE, or VC Conc. (µg/L)

Notes

1. Where more than one constituent was detected or exceeded Site pCUL, the constituent with the highest concentration is shown.
2. pCULs for PCE, TCE, cDCE, and VC are 5, 2.3, 15, and 0.10 µg/L, respectively.
3. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Data Sources: AGI 1999; Landau Associates 2006; Google Earth Pro.

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0 150 300

Scale in Feet

TECT Aerospace
Everett, Washington

Deep Aquifer
VOCs in Groundwater

Figure
15

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Legend

Color Coding Key

- Concentration Exceeded Site pCUL
- Analyte was Detected, but did not Exceed Site pCUL
- Analysis was Conducted, but Results were not detected above Laboratory Reporting Limits
- Sample from this Location Not Analyzed

Sampling Locations

- Monitoring Well Location
- Soil and Groundwater Sampling Location

Abbreviations and Acronyms

ft bgs = feet below ground surface
µg/L = micrograms per liter
ND = not detected
pCUL = preliminary cleanup level

Notes

1. pCUL is 0.44 µg/L for 1,4-dioxane.
2. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Sampling Location		
Screen Depth (ft, BGS)	Date	Maximum 1,4-Dioxane Conc. (µg/L)

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0 150 300
Scale in Feet

Data Sources: AGI 1999; Landau Associates 2006; Google Earth Pro.

TECT Aerospace
Everett, Washington

1,4-Dioxane in Groundwater

Figure 16

G:\Projects\222\057\050\054\RIReport\TECTRI_Misc\TECTR__Misc.aprx 8/28/2026 | abarton

N

RIDW-5			
140-150	7/21/2025	1.49 U	5.87

RIDW-6			
134-144	7/21/2025	1.49 U	6.65

Aviation Technical Services (Hangar 1)

RISB-205			
5-10	1/30/2025	49	68.8

MW-4			
7-17	1/27/2025	10.7	197

HMB1			
8-18	8/13/2024	24.2	32.2
	11/6/2024	36.4	63.5

MW3

MW1

MW2

RIDW-8

RIDW-4			
135-145	1/27/2025	1.53 U	2.23
	7/21/2025	1.51 U	2.02 U

RIGW-3			
15-20	1/27/2025	8.35 I	26.5

SCPWD-1

C29-MW1

C29-MW2

RIGW-2

Notes

1. PFOS = perfluorooctane sulfonate
2. PFOA = perfluorooctanoic acid
3. ng/L = nanograms per liter
4. Screening level is 1.6 ng/L for PFOS.
5. Screening level is 0.48 ng/L for PFOA.
6. U = PFOS or PFOA was not detected above the laboratory reporting limit.
7. A lab qualifier of I indicated that the ion transition ratio is outside of the acceptance criteria.
8. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

Legend

- Shallow Monitoring Well
- Deep Monitoring Well
- Temporary Monitoring Well

Sample Location			
Screen Depth (ft, BGS)	Date	PFOS Concentration (ng/L)	PFOA Concentration (ng/L)

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0 60 120

Scale in Feet

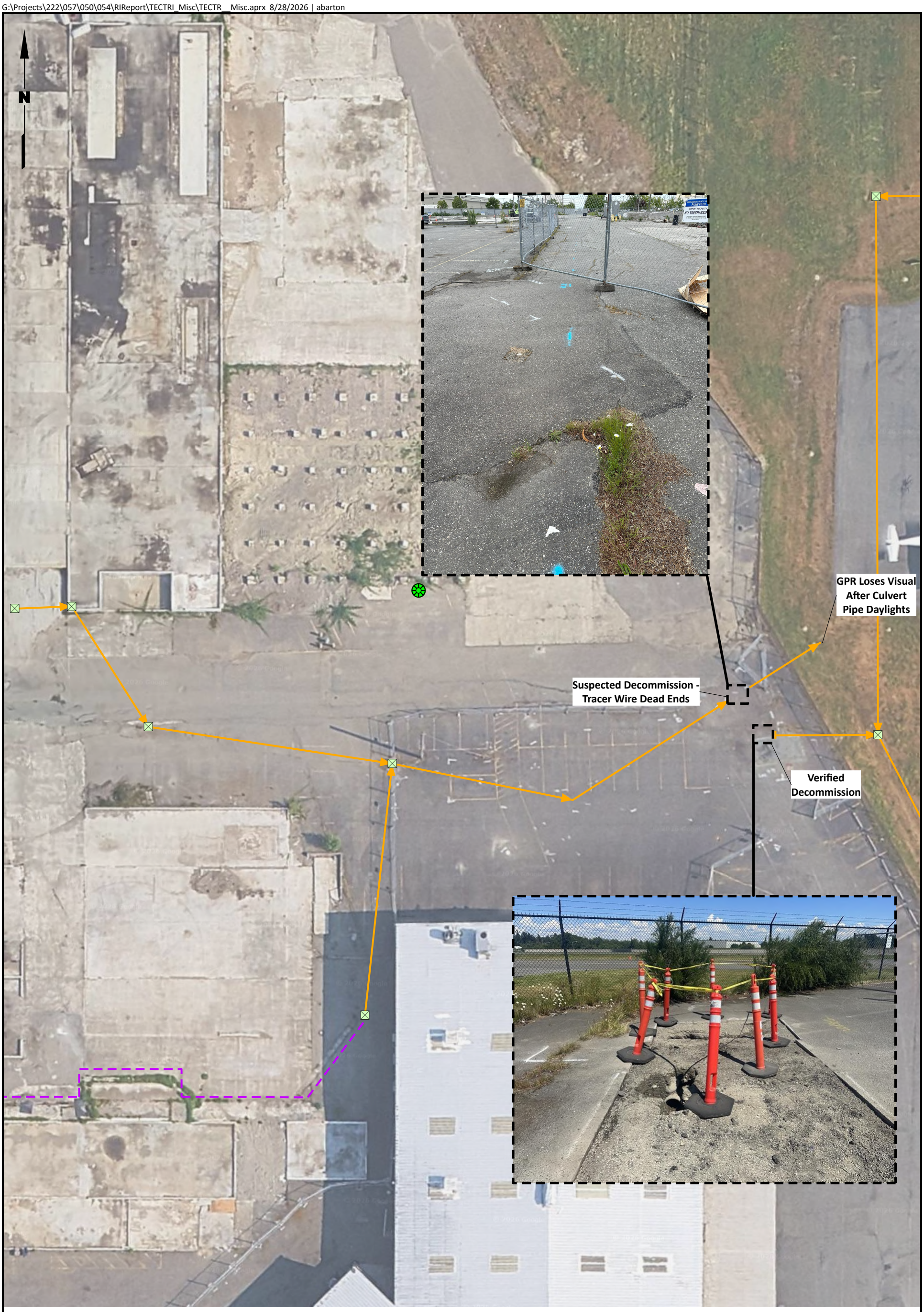
Data Source: Google Earth Pro.

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TECT Aerospace
Everett, Washington

Perfluorooctane Sulfonic and Perfluorooctanoic Acid Concentrations in Groundwater

Figure 17



Legend

- Catch Basin
- Storm Drain Piping
- Manhole
- Trench Drain

0 30 60

Scale in Feet

Data Source: Google Earth Pro.

Notes

1. GPR = ground-penetrating radar.
2. Black and white reproduction of this color original may reduce its effectiveness and lead to incorrect interpretation.

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TECT Aerospace Everett, Washington	**Trench Drain**	Figure 18

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Table 1
Site Groundwater Elevations – 2018-2024
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Perched GW or Deep Aquifer	Monitoring Well	Date of Measurement	TOC Elevation (ft)	Depth to Groundwater (ft from TOC)	Groundwater Elevation (ft)	Comments
Perched GW (Shallow Wells)	SCPWD-1	10/30/2018	600.94	2.85	598.09	
		11/8/2018	600.94	3.10	597.84	
		2/7/2019	600.94	2.35	598.59	
		8/29/2019	600.94	5.35	595.59	
		2/17/2023	600.94	2.54	598.40	
		9/25/2023	600.94	6.25	594.69	
		2/19/2024	600.94	2.14	598.80	
		6/27/2024	600.94	3.12	597.82	
		8/12/2024	600.94	5.22	595.72	
		11/4/2024	600.94	2.20	598.74	
	SCPWD-2	10/24/2018	600.27	4.8	595.47	
		11/8/2018	600.27	4.4	595.87	
		2/7/2019	600.27	2.30	597.97	
		8/29/2019	600.27	4.72	595.55	
		2/17/2023	600.27	3.18	597.09	
		2/19/2024	600.27	2.31	597.96	
		6/27/2024	600.27	3.07	597.20	
		8/12/2024	600.27	4.73	595.54	
		11/4/2024	600.27	3.63	596.64	
	SCPWD-3	10/26/2018	600.19	6.24	593.95	
		11/8/2018	600.19	5.05	595.14	
		2/7/2019	600.19	4.26	595.93	
		8/29/2019	600.19	5.93	594.26	
		2/17/2023	600.19	4.76	595.43	
		2/19/2024	600.19	4.02	596.17	
		6/27/2024	600.19	4.67	595.52	
		8/12/2024	600.19	5.69	594.50	
		11/4/2024	600.19	5.29	594.90	
	SCPWD-4	10/30/2018	601.29	7.56	593.73	
		11/8/2018	601.29	7.2	594.09	
		2/7/2019	601.29	6.14	595.15	
		8/29/2019	601.29	7.16	594.13	
		2/17/2023	601.29	6.25	595.04	
		2/19/2024	601.29	6.00	595.29	
		6/27/2024	601.29	6.47	594.82	
		8/12/2024	601.29	7.33	593.96	
		11/4/2024	601.29	6.99	594.30	
	RIGW-1	9/25/2023	600.84	DRY	--	9/26/23: Not sampled, well went dry
		2/19/2024	600.84	DRY	--	
		6/27/2024	600.84	DRY	--	
		8/12/2024	600.84	DRY	--	
		11/4/2024	600.84	DRY	--	
	RIGW-2	9/25/2023	599.5	4.83	594.67	
		2/19/2024	599.5	4.59	594.91	
		6/27/2024	599.5	4.82	594.68	
		8/12/2024	599.5	4.23	595.27	
		11/4/2024	599.5	3.7	595.80	11/07/24: Well went dry during purging

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Paine Field – Everett, Washington

Perched GW or Deep Aquifer	Monitoring Well	Date of Measurement	TOC Elevation (ft)	Depth to Groundwater (ft from TOC)	Groundwater Elevation (ft)	Comments
Perched GW (Shallow Wells)	RIGW-3	2/15/2023	601.05	7.39	593.66	
		9/25/2023	601.05	8.21	592.84	
		2/19/2024	601.05	7.11	593.94	
		6/27/2024	601.05	4.27	596.78	
		8/12/2024	601.05	7.82	593.23	
		11/4/2024	601.05	6.9	594.15	
	RIGW-55	8/29/2019	601.77	7.33	594.44	9/5/2019: went dry during purging, returned and filled bottles at a later time
		2/17/2023	601.77	5.81	595.96	
		6/27/2024	601.77	6.04	595.73	
		8/12/2024	601.77	6.91	594.86	8/12/24: Well went dry during sampling, returned 8/13/24 to fill rest of bottles
		11/4/2024	601.77	6.98	594.79	11/04/24: Well went dry purging, let well recharge and filled bottles
	C29-MW1	10/30/2018	600.86	2.15	598.71	
		11/8/2018	600.86	1.26	599.60	
		2/7/2019	600.86	1.46	599.40	
		8/29/2019	600.86	4.68	596.18	
		2/17/2023	600.86	4.68	596.18	
		9/25/2023	600.86	6.22	594.64	
		2/19/2024	600.86	1.47	599.39	
		6/27/2024	600.86	2.05	598.81	
		8/12/2024	600.86	5.20	595.66	
		11/4/2024	600.86	1.15	599.71	
	C29-MW2	10/30/2018	601.08	2.00	599.08	
		11/8/2018	601.08	1.71	599.37	
		2/7/2019	601.08	1.45	599.63	
		8/29/2019	601.08	2.18	598.90	
		2/17/2023	601.08	NM	--	Under puddle no access
		9/25/2023	601.08	NM	--	Under puddle no access
		2/19/2024	601.08	NM	--	Under puddle no access
		6/27/2024	601.08	NM	--	Under puddle no access
		8/12/2024	601.08	3.30	597.78	
		11/4/2024	601.08	NM	--	Under puddle no access
	HMB1	10/31/2018	601.3	4.29	597.01	
		11/8/2019	601.3	4.27	597.03	
		2/7/2019	601.3	3.91	597.39	
		8/29/2019	601.3	5.17	596.13	
		9/25/2023	601.3	5.19	596.11	
		2/15/2023	601.3	4.04	597.26	
		2/19/2024	601.3	3.86	597.44	
		6/27/2024	601.3	4.32	596.98	
		8/12/2024	601.3	5.29	596.01	
		11/4/2024	601.3	3.37	597.93	
	MW-1	10/22/2018	601.24	9.34	591.90	
		11/5/2018	601.24	6.4	594.84	11/5/18: High drawdown observed during sampling, didn't stabilize
		2/7/2019	601.24	6.52	594.72	
		8/29/2019	601.24	7.41	593.83	8/30/2019: Slow recharge rate. Went dry during sampling and had to wait for recharge.
		2/15/2023	601.24	9.64	591.60	
		9/25/2023	601.24	10.26	590.98	
		2/19/2024	601.24	8.85	592.39	
		6/27/2024	601.24	7.96	593.28	
		8/12/2024	601.24	9.52	591.72	
		11/4/2024	601.24	8.79	592.45	

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Table 1
Site Groundwater Elevations – 2018-2024
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Perched GW or Deep Aquifer	Monitoring Well	Date of Measurement	TOC Elevation (ft)	Depth to Groundwater (ft from TOC)	Groundwater Elevation (ft)	Comments
Perched GW (Shallow Wells)	MW-2	10/23/2018	600.78	5.53	595.25	
		11/5/2018	600.78	2.93	597.85	11/5/18: High drawdown observed during sampling, didn't stabilize
		2/7/2019	600.78	3.08	597.70	
		8/29/2019	600.78	5.66	595.12	
		2/17/2023	600.78	3.59	597.19	
		9/25/2023	600.78	6.04	594.74	
		2/19/2024	600.78	3.19	597.59	
		6/27/2024	600.78	NM*	--	Under gravel, no sample taken
		8/12/2024	600.78	5.57	595.21	
		11/4/2024	600.78	3.08	597.70	
	MW-3	10/23/2018	600.79	5.73	595.06	
		11/5/2018	600.79	2.61	598.18	11/5/18: high turbidity noticed during sampling, didn't stabilize
		2/7/2019	600.79	2.6	598.19	
		8/29/2019	600.79	5.7	595.09	
		2/17/2023	600.79	2.96	597.83	
		9/25/2023	600.79	5.89	594.90	
		2/19/2024	600.79	2.59	598.20	
		6/27/2024	600.79	3.54	597.25	
		8/12/2024	600.79	6.29	594.50	
		11/4/2024	600.79	2.78	598.01	
	MW-4	10/30/2018	601.27	3.68	597.59	
		11/7/2018	601.27	3.29	597.98	
		2/7/2019	601.27	3.27	598.00	
		8/29/2019	601.27	6.20	595.07	
		2/15/2023	601.27	3.36	597.91	
		9/25/2023	601.27	6.53	594.74	
		2/19/2024	601.27	2.87	598.40	
		6/27/2024	601.27	4.18	597.09	
		8/12/2024	601.27	5.91	595.36	
		11/4/2024	601.27	3.15	598.12	
	RIGW-100	6/27/2024	601.91	1.06	600.85	
		8/12/2024	601.91	2.72	599.19	
		11/4/2024	601.91	0.71	601.20	
	RIGW-101	6/27/2024	601.58	5.05	596.53	
		8/12/2024	601.58	5.91	595.67	
		11/4/2024	601.58	4.86	596.72	
	RIGW-102	6/27/2024	604.03	9.12	594.91	
		8/12/2024	604.03	11.02	593.01	
		11/4/2024	604.03	8.73	595.30	
	RIGW-103	6/27/2024	603.87	3.75	600.12	
		8/12/2024	603.87	5.85	598.02	
		11/4/2024	603.87	4.39	599.48	
	RIGW-104	6/27/2024	601.3	4.96	596.34	
		8/12/2024	601.3	6.02	595.28	
		11/4/2024	601.3	5.11	596.19	

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Table 1
Site Groundwater Elevations – 2018-2024
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Perched GW or Deep Aquifer	Monitoring Well	Date of Measurement	TOC Elevation (ft)	Depth to Groundwater (ft from TOC)	Groundwater Elevation (ft)	Comments
Deep Aquifer	DW1	1/16/2019	600.77	132.69	468.08	
		9/9/2019	600.77	132.97	467.80	
		2/15/2023	600.77	133.20	467.57	
		2/19/2024	600.77	133.10	467.67	
	DW2	1/16/2019	601.25	133.51	467.74	
		9/9/2019	601.25	133.78	467.47	
		2/15/2023	601.25	134.09	467.16	
		9/25/2023	601.25	133.01	468.24	
		2/19/2024	601.25	133.83	467.42	
	DW3	1/16/2019	600.43	132.5	467.93	
		9/9/2019	600.43	132.77	467.66	
		2/15/2023	600.43	133.06	467.37	
		2/19/2024	600.43	132.93	467.50	
		6/27/2024	600.43	133.08	467.35	
		8/12/2024	600.43	133.03	467.40	
		11/4/2024	600.43	132.97	467.46	
	RIDW-1	1/16/2019	598.88	130.78	468.10	
		9/9/2019	598.88	131.04	467.84	
		2/15/2023	598.88	131.33	467.55	
		2/19/2024	598.88	131.18	467.70	
		6/27/2024	598.88	131.33	467.55	
		8/12/2024	598.88	131.34	467.54	
		11/4/2024	598.88	132.15	466.73	
	RIDW-2	1/16/2019	603.66	135.65	468.01	
		9/9/2019	603.66	135.93	467.73	
		2/15/2023	603.66	136.2	467.46	
		2/19/2024	603.66	136.04	467.62	
		6/27/2024	603.66	136.11	467.55	
		8/12/2024	603.66	136.95	466.71	
		11/4/2024	603.66	136.19	467.47	
	RIDW-3	1/16/2019	601.47	133.49	467.98	
		9/9/2019	601.47	133.77	467.70	
		2/15/2023	601.47	133.98	467.49	
		2/19/2024	601.47	133.89	467.58	
		6/27/2024	601.47	134.11	467.36	
		8/12/2024	601.47	133.95	467.52	
		11/4/2024	601.47	134	467.47	
	RIDW-4	9/9/2019	601.46	132.91	468.55	
		2/15/2023	601.46	133.04	468.42	
		9/25/2023	601.46	133.72	467.74	
		2/19/2024	601.46	134.02	467.44	
		6/27/2024	601.46	134.26	467.20	
		8/12/2024	601.46	134.21	467.25	
		11/4/2024	601.46	134.18	467.28	
	RIDW-5	2/15/2023	602.63	135.49	467.14	
		9/25/2023	602.63	136.53	466.10	
		2/19/2024	602.63	136.70	465.93	
		6/27/2024	602.63	137.01	465.62	
		8/12/2024	602.63	136.88	465.75	
		11/4/2024	602.63	136.90	465.73	

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Table 1
Site Groundwater Elevations – 2018-2024
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TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Perched GW or Deep Aquifer	Monitoring Well	Date of Measurement	TOC Elevation (ft)	Depth to Groundwater (ft from TOC)	Groundwater Elevation (ft)	Comments
Deep Aquifer	RIDW-6	2/15/2023	600.97	137.09	463.88	
		9/25/2023	600.97	134.03	466.94	
		2/19/2024	600.97	134.23	466.74	
		6/27/2024	600.97	134.42	466.55	
		8/12/2024	600.97	134.32	466.65	
		11/4/2024	600.97	134.39	466.58	
	RIDW-7	6/27/2024	600.164	132.25	467.91	
		8/12/2024	600.164	133.61	466.55	
		11/4/2024	600.164	132.97	467.19	
	RIDW-8	6/27/2024	601.928	134.25	467.68	
		8/12/2024	601.928	134.49	467.44	
		11/4/2024	601.928	134.65	467.28	
	MW-1	9/9/2019	585.41	117.21	468.20	
		2/15/2023	585.41	117.50	467.91	
		2/19/2024	585.41	117.34	468.07	
		6/27/2024	585.41	117.59	467.82	
		8/12/2024	585.41	117.45	467.96	
		11/4/2024	585.41	117.47	467.94	
	MW-2	9/9/2019	588.88	121.04	467.84	
		2/15/2023	588.88	121.28	467.60	
		2/19/2024	588.88	121.15	467.73	
		6/27/2024	588.88	121.39	467.49	
		8/12/2024	588.88	121.25	467.63	
		11/4/2024	588.88	121.29	467.59	
	MW-3	9/9/2019	589.34	121.29	468.05	
		2/17/2023	589.34	121.39	467.95	
		2/19/2024	589.34	121.35	467.99	
		6/27/2024	589.34	121.65	467.69	
		8/12/2024	589.34	121.54	467.80	
		11/4/2024	589.34	121.59	467.75	
	MW-4	9/9/2019	580.8	111.69	469.11	
		2/15/2023	580.8	111.50	469.30	
		2/19/2024	580.8	111.32	469.48	
		6/27/2024	580.8	111.41	469.39	
		8/12/2024	580.8	111.41	469.39	
		11/4/2024	580.8	111.64	469.16	
	MW-6	9/9/2019	597.29	129.31	467.98	
		2/17/2023	597.29	129.49	467.80	
		2/19/2024	597.29	129.41	467.88	
		6/27/2024	597.29	129.67	467.62	
		8/12/2024	597.29	129.53	467.76	
		11/4/2024	597.29	129.55	467.74	
	MW-7	9/9/2019	584.9	116.72	468.18	
		2/17/2023	584.9	116.99	467.91	
		9/25/2023	584.9	133.72	451.18	Measurement error during field readings, not included in difference calculation
		2/19/2024	584.9	116.86	468.04	
		6/27/2024	584.9	117.11	467.79	
		8/12/2024	584.9	116.99	467.91	
		11/4/2024	584.9	117.01	467.89	

Table 1
Site Groundwater Elevations – 2018-2024
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Abbreviations and Acronyms:

ft = feet
GW = groundwater
NM = not measured
TOC = top of casing

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Table 2
Hydraulic Conductivity Calculations
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Hydraulic Conductivity of Site Glacial Till		
Boring:	**K (cm/s)**	**ft/day**
RIDW-1-(49-50)	1.518E-04	0.43
RIDW-2-(50-52)	7.006E-05	0.20
RIDW-3-(45-47.5)	3.853E-05	0.11
RISB-51-(7.5-8.5)	6.242E-05	0.18
RISB-51-(24-25)	5.373E-05	0.15
RISB-31-(6.5-7.5)	3.978E-05	0.11
RISB-31-(14-15)	1.145E-04	0.32
RISB-11-(16-17)	5.741E-05	0.16
RISB-11-(34-35)	1.290E-04	0.37
RISB-48-(14-15)	4.159E-04	1.18
RISB-27-(39-40)	4.612E-05	0.13
RISB-27-(44-45)	5.423E-05	0.15
RISB-42-(19-20)	1.086E-04	0.31
RISB-42-(11.5-12.5)	7.769E-05	0.22
RISB-07-(14.5-15.5)	8.192E-05	0.23
RISB-07-(29-30)	2.542E-05	0.07
RISB-19-(8.5-9.5)	8.271E-05	0.23
RISB-19-(14-15)	1.737E-04	0.49
RIDW-5-(36.5-37.5)	2.486E-05	0.07
RIDW-6-(25-26)	7.719E-05	0.22
RIDW-6-(56-57)	3.328E-05	0.09
Till Geometric mean:	7.11E-05	0.20

Hydraulic Conductivity of Site Fill			
Boring:	**Description**	**K (cm/s)**	**K (ft/day)**
RISB-42	Reworked Till-Fill	2.21323E-05	0.06
RISB-48	Sandy Fill	2.132E-03	6.04
Fill Geometric mean:		2.17E-04	0.62

Hydraulic Conductivity of Site Advanced Outwash			
Boring:	**Esperance sand?**	**K (cm/s)**	**K (ft/day)**
RIDW-1-(142.5-145)	Yes	0.002879819	8.16
RIDW-2-(145-147.5)	Yes	0.000493752	1.40
RIDW-3-(132.5-135)	Yes	5.18981E-05	0.15
RIDW5-(95.5-96.5)	No	0.000538544	1.53
RIDW-5-(147-148)	Yes	0.001586985	4.50
RIDW-6-(133.5-134.5)	No	0.000566504	1.61
Esperance Sand Geometric mean:		1.05E-03	2.98
Advanced Outwash Geometric mean:		5.74E-04	1.63

Table 2
Hydraulic Conductivity Calculations
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Note:

See Appendix C for derivation of hydraulic conductivity values in this table.

Abbreviations and Acronyms:

cm/s = centimeters per second

ft/day = feet per day

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Table 3
Total Organic Carbon in Soil
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Area	Location	Field Sample ID	Sampling Date	Geologic Unit	Depth (ft)	TOC Report Value (%)
Deep Aquifer	RIDW-2	RIDW-2-(50-52')	12/7/2018	Vashon Till	50	**0.12**
Deep Aquifer	RIDW-1	RIDW-1-(142.5-145')	12/6/2018	Vashon Advance Outwash	142.5	**0.059**
Deep Aquifer	RIDW-1	RIDW-1-(49-50')	12/3/2018	Vashon Till	49	**0.11**
Deep Aquifer	RIDW-1	SOIL DUP-1	12/3/2018	Vashon Till	49	**0.11**
Deep Aquifer	RIDW-3	RIDW-3-(45-47.5')	12/11/2018	Vashon Till	45	**0.087**
Deep Aquifer	RIDW-1	GWDUP-1-190128	1/28/2019			**4.1**
Deep Aquifer	RIDW-1	RIDW-1-190128	1/28/2019			**4.3**
Deep Aquifer	RIDW-2	RIDW-2-190128	1/28/2019			**2.7**
Deep Aquifer	RIDW-3	RIDW-3-190128	1/28/2019			**7.4**
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-52	RISB-52-GW	3/22/2019			**3.2**
Building C-23 and C-23 Annex	RISB-51	RISB-51-(24-25')	3/19/2019	Vashon Till	24	**0.11**
Building C-23 and C-23 Annex	RISB-51	RISB-51-(7.5-8.5')	3/19/2019	Vashon Till	7.5	**0.11**
C-19	RISB-11	RISB-11-(16-17')	3/25/2019	Vashon Till	16	**0.12**
C-19	RISB-11	RISB-11-(34-35')	3/25/2019	Vashon Till	34	**0.12**
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-31	DUP-SOIL-190322	3/22/2019	Vashon Till	6.5	**0.12**
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-31	RISB-31-(14-15')	3/22/2019	Vashon Till	14	**0.14**
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-31	RISB-31-(6.5-7.5')	3/22/2019	Vashon Till	6.5	**0.17**
C-19; Building C-20, C-21, C-22 Complex	RISB-07	DUP-SOIL-190328	3/28/2019	Vashon Till	14.5	**0.11**
C-19; Building C-20, C-21, C-22 Complex	RISB-07	RISB-07-(14.5-15.5')	3/28/2019	Vashon Till	14.5	**0.12**
C-19; Building C-20, C-21, C-22 Complex	RISB-07	RISB-07-(29-30')	3/28/2019	Vashon Till	29	**0.16**
Building C-20, C-21, C-22 Complex	RISB-19	RISB-19-(14-15')	3/29/2019	Vashon Till	14	**0.096**
Building C-20, C-21, C-22 Complex	RISB-19	RISB-19-(8.5-9.5')	3/29/2019	Vashon Till	8.5	**0.13**
Building C-20, C-21, C-22 Complex	RISB-27	RISB-27-(39-40')	4/2/2019	Vashon Till	39	**0.11**
Building C-20, C-21, C-22 Complex	RISB-27	RISB-27-(44-45')	4/2/2019	Vashon Till	44	**0.11**
C-29/Former East Fuel Farm	RISB-42	RISB-42-(11.5-12.5')	4/3/2019	Vashon Till	11.5	**0.23**
C-29/Former East Fuel Farm	RISB-42	RISB-42-(19-20')	4/3/2019	Vashon Till	19	**0.15**
C-29/Former East Fuel Farm	RISB-42	RISB-42-(6.5-7.5')	4/3/2019	Fill	6.5	**0.16**
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-48	RISB-48-(14-15')	4/5/2019	Fill	14	**0.092**
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-48	RISB-48-(5.5-6.5')	4/5/2019	Fill	5.5	**0.064**
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Anne	RISB-60	RISB-60-GW	8/27/2019			**2.4**
Building C-23 and C-23 Annex	RISB-61	DUP-GW-190828	8/28/2019			**8.6**
Building C-23 and C-23 Annex	RISB-61	RISB-61-GW	8/28/2019			**8.4**
Deep Aquifer	RIDW-2	RIDW-2-190911	9/11/2019			**1.6**
Deep Aquifer	RIDW-3	RIDW-3-190911	9/11/2019			**1.7**
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Geologic Unit**	**Depth (ft)**	**TOC Report Value (%)**

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Table 3
Total Organic Carbon in Soil
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

C-29/Former East Fuel Farm	C29-MW1	C29-MW1-20190829	8/29/2019			**6.9**
		DUP-GW-190830	8/30/2019			**5.7**
C-29/Former East Fuel Farm	MW2	MW-2-20190830	8/30/2019			**1.7**
C-29/Former East Fuel Farm	MW4	MW-4-20190830	8/30/2019			**5.7**
C-19	SCPWD-3	SCPWD-3-20190905	9/5/2019			**3.6**
C-19	SCPWD-4	SCPWD-4-20190905	9/5/2019			**1.5**
Deep Aquifer	RIDW-4	RIDW-4-190919	9/19/2019			**8.2**
Deep Aquifer	RIDW-6	DUP-SOIL-221116	11/16/2022	Vashon Advance Outwash	133.5	**0.051**
Deep Aquifer	RIDW-5	RIDW-5-(147-148')	11/14/2022	Vashon Advance Outwash	147	**0.054**
Deep Aquifer	RIDW-5	RIDW-5-(36.5-37.5')	11/10/2022	Vashon Till	36.5	**0.13**
Deep Aquifer	RIDW-5	RIDW-5-(95.5-96.5')	11/11/2022	Vashon Advance Outwash	95.5	**0.055**
Deep Aquifer	RIDW-6	RIDW-6-(25-26')	11/15/2022	Vashon Till	25	**0.11**
Deep Aquifer	RIDW-6	RIDW-6-(56-57')	11/15/2022	Vashon Till	56	**0.052**
C-19; Deep Aquifer	DW1	DW-1-181107	11/7/2018			1
Building C-23 and C-23 Annex; Deep Aquifer	DW3	DW-3-181107	11/7/2018			1
Deep Aquifer	RIDW-2	RIDW-2-(145-147.5')	12/10/2018	Vashon Advance Outwash	145	0.05 U
Deep Aquifer	RIDW-3	RIDW-3-(132.5-135')	12/13/2018	Vashon Advance Outwash	132.5	0.05 U
C-19; Deep Aquifer	DW1	DW1-190912	9/12/2019	Vashon Advance Outwash		1
Building C-23 and C-23 Annex; Deep Aquifer	DW3	DW3-190912	9/12/2019	Vashon Advance Outwash		1
Deep Aquifer	RIDW-1	RIDW-1-190912	9/12/2019	Vashon Advance Outwash		1
		DUP-190910	9/10/2019	Vashon Advance Outwash		1
C-29/Former East Fuel Farm; Deep Aquifer	DW2	DW2-190910	9/10/2019	Vashon Advance Outwash		1
C-29/Former East Fuel Farm	SCPWD-1	SCPWD-1-20190829	8/29/2019	Vashon Advance Outwash		0.5
Deep Aquifer	RIDW-6	RIDW-6-(133.5-134.5')	11/16/2022	Vashon Advance Outwash	133.5	0.05 U

Notes:

Bold text indicates detected analyte**.**

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

Abbreviations and Acronyms:

ID = identification

ft = feet

TOC = total organic carbon

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Table 4
Perched Groundwater Potability Evaluation
Well Yield Calculations
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Fill Hydraulic Conductivity: 2.17E-04 cm/sec or 0.615 ft/day
Till Hydraulic Conductivity: 7.11E-05 cm/sec or 0.202 ft/day

Well/Boring ID	Geologic Profile ID	Saturated Thickness in Fill (ft)	Saturated Thickness in Till (ft)	Well Yield Attributed to Fill (gpm)[a]	Well Yield Attributed to Till (gpm)[a]	Combined Fill/Till Well Yield (gpm)
RISB-08	A-A'	0	2	0.000	0.004	0.004
RISB-11	A-A'	0	0	0.000	0.000	0.000
RIDW-7	A-A'	0	0	0.000	0.000	0.000
RISB-56	A-A'	0	4	0.000	0.016	0.016
RIGW-55	A-A'	4	1	0.048	0.001	0.049
RISB-03	A-A'	7	0	0.146	0.000	0.146
RISB-02	A-A'	0	0	0.000	0.000	0.000
RISB-100	A-A'	14	0	0.585	0.000	0.585
RISB-205	B-B'	2	0	0.012	0.000	0.012
RISB-43	B-B'	1	7	0.003	0.048	0.051
MW-4	B-B'	0	13	0.000	0.165	0.165
RIDW-8	B-B'	0	0	0.000	0.000	0.000
RISB-47	B-B'	0	13	0.000	0.165	0.165
RISB-32	B-B'	2	7	0.012	0.048	0.060
RISB-36	B-B'	0	1	0.000	0.001	0.001
RISB-109	B-B'	0	1	0.000	0.001	0.001
RIGW-100	B-B'	20	0	1.194	0.000	1.194
RISB-113	B-B'	0	5	0.000	0.024	0.024
RISB-09	B-B'	0	13	0.000	0.165	0.165
RISB-18	C-C'	0	0	0.000	0.000	0.000
RISB-106	C-C'	0	8	0.000	0.063	0.063
RISB-50	C-C'	0	0	0.000	0.000	0.000
RISB-58	C-C'	3	2	0.027	0.004	0.031
RISB-101	C-C'	0	3	0.000	0.009	0.009
RISB-76	D-D'	5	0	0.075	0.000	0.075
RISB-66	D-D'	3	0	0.027	0.000	0.027
RIGW-3	D-D'	3	0	0.027	0.000	0.027
RISB-48	D-D'	3	4	0.027	0.016	0.043
RISB-108	D-D'	4	10	0.048	0.098	0.146
RIGW-102	D-D'	0	13	0.000	0.165	0.165
RISB-115	D-D'	0	10	0.000	0.098	0.098
RISB-111	E-E'	8	0	0.191	0.000	0.191
RIGW-2	E-E'	8	0	0.191	0.000	0.191
RISB-67	E-E'	3	25	0.027	0.611	0.638
RISB-42	E-E'	1	3	0.003	0.009	0.012
RISB-64	E-E'	0	2	0.000	0.004	0.004
RISB-74	E-E'	12	0	0.430	0	0.430
			Site-Wide Average[b]:	0.099	0.055	0.154

Table 4
Perched Groundwater Potability Evaluation
Well Yield Calculations
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Note:

a. Based on Dupuit-Thiem equilibrium well equation; see Section 3.3 of text for explanation.
b. Site-wide average well yield does not include those borings with a combined calculated well yield of 0 gpm (e.g., RISB-11).

Abbreviations and Acronyms:

cm/sec = centimeters per second
ft = feet
gpm = gallons per minute
ID = identity

Table 5
Preliminary Cleanup Levels for Soil
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Analyte Group	CAS No.	Analyte	Unit of Measurement	Protection of Groundwater Vadose @ 13 Degrees Celsius	Protection of Groundwater Saturated @ 13 Degrees Celsius	MTCA Method A Unrestricted Land Use (TPH Only)	Direct Contact Pathway (Ingestion Only) MTCA Method B Unrestricted Land Use Method B Formula Values		Direct Contact Pathway (Ingestion Only) MTCA Method C Industrial Land Use Method C Formula Values		Preliminary Cleanup Level[a]
							Non-Carcinogen	Carcinogen	Non-Carcinogen	Carcinogen	
Metals	7440-47-3	Chromium (total)	mg/kg	2,000	100						2,000
TPH	DRO	TPH, diesel-range organics	mg/kg			2,000					2,000
TPH	GRO	TPH: gasoline-range organics, benzene present	mg/kg			30					30
TPH	GRO	TPH: gasoline-range organics, no detectable benzene	mg/kg			100					100
VOCs	107-06-2	1,2-Dichloroethane (EDC)	µg/kg	23	1.6		480,000	11,000	21,000,000	1,400,000	23
VOCs	71-43-2	Benzene	µg/kg	27	1.7		320,000	18,000	14,000,000	2,400,000	27
VOCs	75-34-3	Dichloroethane; 1,1-	µg/kg	41	3		16,000,000	180,000	700,000,000	23,000,000	41
VOCs	75-35-4	Dichloroethene; 1,1-	µg/kg	46	2.5		4,000,000		180,000,000		46
VOCs	156-59-2	Dichloroethene; 1,2-,cis	µg/kg	79	5.2		160,000		7,000,000		79
VOCs	156-60-5	Dichloroethene; 1,2-, trans	µg/kg	520	32		1,600,000		70,000,000		520
VOCs	100-41-4	Ethylbenzene	µg/kg	5,900	340		8,000,000		350,000,000		5,900
VOCs	127-18-4	Tetrachloroethene (PCE)	µg/kg	50	2.80		480,000	480,000	21,000,000	63,000,000	50
VOCs	1330-20-7	Total xylenes	µg/kg	14,000	830		16,000,000		700,000,000		14,000
VOCs	79-01-6	Trichloroethene (TCE)	µg/kg	25	1.5		40,000	12,000	1,800,000	2,900,000	25
VOCs	75-01-4	Vinyl chloride	µg/kg	1.7	0.090		240,000	670	11,000,000	88,000	1.7

Note:

(a) Based on the lowest of the values shown except for the value shown for "Protection of Groundwater Saturated," which was not considered for the reasons discussed in the AO RI Report text accompanying this table.

Abbreviations and Acronyms:

AO = Agreed Order
CAS = Chemical Abstracts Service
DRO = diesel-range organics
GRO = gasoline-range organics
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
MTCA = Model Toxics Control Act
RI = remedial investigation
TPH = total petroleum hydrocarbons
VOC = volatile organic compound

Table 6
Preliminary Cleanup Levels for Groundwater
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Analyte Group	CAS No.	Analyte	Unit of Measurement	Federal MCL	Washington State MCL	MTCA Method A (Lead, Mercury, and TPH Only)	MTCA Method B Standard Formula Values		Groundwater Protective of Vapor Intrusion Screening Level	Preliminary Cleanup Levels (Before Adjustment for PQL and Background)	Laboratory PQL	Groundwater Background Concentration	Adjusted Preliminary Cleanup Level Before Total Site Risk Adjustment	Adjusted Preliminary Cleanup Level After Additive Site Risk Adjustment
							Non-Carcinogen	Carcinogen @ $1x10^{-6}$ Risk						
Conventionals	14797-55-8	Nitrate	µg/L	10,000	10,000		26,000			10,000	153		10,000	10,000
Metals	7440-38-2	Arsenic	µg/L	10	10		0.96	0.0027		0.027	1	13.6[a]	13.6	13.6
Metals	7440-43-9	Cadmium	µg/L	5	5		8			5	1		5	4.4
Metals	7440-47-3	Chromium (total)	µg/L	100	100	50				50	2		50	50
Metals	7439-92-1	Lead	µg/L	15	15	15				0	1		15	15
Metals	7439-97-6	Mercury	µg/L	2	2	2				2	0.2		2	2
TPH	DRO	TPH, diesel-range organics	µg/L			500				500	130		500	500
TPH	ORO	TPH, oil-range organics	µg/L			500				500	130		500	500
TPH	GRO	TPH: gasoline-range organics, benzene present	µg/L			800				800	50		800	800
TPH	GRO	TPH: gasoline-range organics, no detectable benzene	µg/L			1,000				1,000	50		1,000	1,000
VOCs	71-55-6	1,1,1-Trichloroethane	µg/L	200	200		16,000		5,400	200	2		200	200
VOCs	79-00-5	1,1,2-Trichloroethane	µg/L	5	5		32	0.77	5.1	3[b]	0.5		3	0.77[d]
VOCs	75-34-3	1,1-Dichloroethane	µg/L				1,600	7.7	11	7.7	2		7.7	7.7
VOCs	75-35-4	1,1-Dichloroethene	µg/L	7	7		400		130	7	2		7[c]	7.0
VOCs	107-06-2	1,2-Dichloroethane (EDC)	µg/L	5	5		48	0.48	3.5	4.8	0.02		4.8	0.48[d]
VOCs	78-87-5	1,2-Dichloropropane	µg/L	5	5		320	1.2	10	5	0.5		5	1.2[d]
VOCs	123-91-1	1,4-Dioxane	µg/L				240	0.44	4,700	0.44	0.40		0.44	0.44
VOCs	71-43-2	Benzene	µg/L	5	5		32	0.8	2.4	5	0.5		5	1.6[d]
VOCs	156-59-2	cis-1,2-Dichloroethene	µg/L	70	70		16		180	16	2		16	15[d]
VOCs	127-18-4	Tetrachloroethene (PCE)	µg/L	5	5		48	21	25	0	2		5[c]	5.0
VOCs	156-60-5	trans-1,2-Dichloroethene	µg/L	100	100		160		77	100	2		100	73[d]
VOCs	79-01-6	Trichloroethene (TCE)	µg/L	5	5		4	0.54	1.4	4	0.5		4	2.3[d]
VOCs	75-01-4	Vinyl chloride	µg/L	2	2		24	0.029	0.33	0.29	0.029		0.290	0.10[d]

Notes:

(a) See AO RI report text for reference.

(b) The pCUL value is based on the federal MCLG, which is protective of non-cancer effects as well as potential carcinogenic risk.

(c) The pCUL value is based on the MCL, which is protective of $1x10^{-5}$ total cancer risk.

(d) The pCUL values based on total Site additive cancer risk calculation or additive kidney hazard (i.e., 1,2-*cis* -dichloroethene).

Abbreviations and Acronyms:

AO = Agreed Order
CAS = Chemical Abstracts Service
DRO = diesel-range organics
GRO = gasoline-range organics
µg/L = micrograms per liter
MCL = maximum contaminant le
MCLG = maximum contaminant level goal
MTCA = Model Toxics Control Act
ORO = oil-range organics
pCUL = preliminary cleanup level
PQL = practical quantitation limit
RI = remedial investigation
TPH = total petroleum hydrocarbons
VOC = volatile organic compound

Table 7
Additive Risk Evaluation for Groundwater
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Base Cleanup Levels			Adjustments for Additive Cancer Risk					Adjustments for Additive Noncancer Hazards																
Groundwater COPC	Base CUL[a] (µg/L)	Basis	MTCA Eq. 720-2 (µg/L)	Cancer Risk at Base CUL[b] (unitless)	Risk Assigned to Adjusted CUL[c] (unitless)	CUL Adjusted for Cancer Risk[d] (µg/L)	Adjusted CUL Exceeds Base CUL?	MTCA Eq. 720-1 (µg/L)	Noncancer Hazard at CUL Adj. for Cancer Risk[e] (unitless)	Target Organ from CLARC	Blood	Devl	Eye	Immune	Kidney	Liver	Musculoskeletal	Nervous	Other	Hazard Assigned to Adjusted CUL[f] (unitless)	Kidney	Immune	Final CUL[g] (µg/L)	Final CUL Exceeds Base CUL?
Nitrate	1.00E+04	MCL	NA	--	--	1.00E+04	no	2.56E+04	3.91E-01	Blood, immune	3.91E-01			3.91E-01						3.91E-01		3.91E-01	10,000	no
Arsenic	1.36E+01	Nat bknd	N/A	--	--	1.36E+01	no	N/A	--	Endocrine, cardiovascular										--			13.6	no
Cadmium	5.00E+00	MCL	NA	--	--	5.00E+00	no	8.00E+00	6.25E-01	Kidney					6.25E-01					5.49E-01	5.49E-01		4.4	no
Chromium, total	5.00E+01	Method A	NA	--	--	5.00E+01	no	NA	--	Other										--			50	no
Lead	1.00E+01	MCL	NA	--	--	1.00E+01	no	NA	--	Nervous										--			10	no
Mercury, inorganic	2.00E+00	MCL	NA	--	--	2.00E+00	no	NA	--	Nervous										--			2.0	no
1,4-Dioxane	4.38E-01	Eq. 720-2	4.38E-01	1.00E-06	1.00E-06	4.38E-01	no	2.40E+02	1.82E-03	Kidney, liver					1.82E-03	1.82E-03				1.82E-03	1.82E-03		0.44	no
Benzene	5.00E+00	MCL	7.95E-01	6.29E-06	2.00E-06	1.59E+00	no	3.20E+01	4.97E-02	Immune				4.97E-02						4.97E-02		4.97E-02	1.6	no
1,1-Dichloroethane	7.68E+00	Eq. 720-2	7.68E+00	1.00E-06	1.00E-06	7.68E+00	no	1.60E+03	4.80E-03	Kidney					4.80E-03					4.80E-03	4.80E-03		7.7	no
1,2-Dichloroethane (EDC)	4.81E+00	MCL adj. 1E-5	4.81E-01	1.00E-05	1.00E-06	4.81E-01	no	4.80E+01	1.00E-02	Kidney					1.00E-02					1.00E-02	1.00E-02		0.48	no
1,1-Dichloroethylene	7.00E+00	MCL	NA	--	--	7.00E+00	no	4.00E+02	1.75E-02	Liver						1.75E-02				1.75E-02			7.0	no
cis-1,2-Dichloroethylene	1.60E+01	Eq. 720-1	NA	--	--	1.60E+01	no	1.60E+01	1.00E+00	Kidney					1.00E+00					9.24E-01	9.24E-01		15	no
trans-1,2-Dichloroethylene	1.00E+02	MCL	NA	--	--	1.00E+02	no	1.60E+02	6.25E-01	Immune				6.25E-01						4.59E-01		4.59E-01	73	no
1,2-Dichloropropane	5.00E+00	MCL	1.18E+00	4.23E-06	1.00E-06	1.18E+00	no	3.20E+02	3.70E-03	Musculoskeletal							3.70E-03			3.70E-03			1.2	no
Tetrachloroethylene (PCE)	5.00E+00	MCL	2.08E+01	2.40E-07	2.40E-07	5.00E+00	no	4.80E+01	1.04E-01	Nervous, eye			1.04E-01					1.04E-01		1.04E-01			5.0	no
1,1,1-Trichloroethane	2.00E+02	MCL	NA	--	--	2.00E+02	no	1.60E+04	1.25E-02	Other									1.25E-02	1.25E-02			200	no
1,1,2-Trichloroethane	3.00E+00	MCL	7.68E-01	3.91E-06	1.00E-06	7.68E-01	no	3.20E+01	2.40E-02	Blood, immune	2.40E-02			2.40E-02						2.40E-02		2.40E-02	0.77	no
Trichloroethylene (TCE)	4.00E+00	Eq. 720-1	5.40E-01	7.41E-06	4.20E-06	2.27E+00	no	4.00E+00	5.67E-01	Development, immune		5.67E-01		5.67E-01						5.67E-01		5.67E-01	2.3	no
Vinyl chloride	2.92E-01	MCL adj. 1E-5	2.92E-02	1.00E-05	3.50E-06	1.02E-01	no	2.40E+01	4.25E-03	Liver						4.25E-03				4.25E-03			0.10	no
Gasoline-range hydrocarbons, fresh	8.00E+02	Method A	NA	--	--	8.00E+02	no	NA	--	--										--			800	no
Gasoline-range hydrocarbons, weathe	1.00E+03	Method A	NA	--	--	1.00E+03	no	NA	--	--										--			1,000	no
Diesel-range hydrocarbons, weathered	5.00E+02	Method A	NA	--	--	5.00E+02	no	NA	--	--										--			500	no
Total at 1 significant figure	--	--	--	4E-05	1E-05	--	--	--	3E+00	--	4E-01	6E-01	1E-01	2E+00	2E+00	2E-02	4E-03	1E-01	1E-02	--	1E+00	1E+00	--	--
Total at 3 significant figures	--	--	--	4.41E-05	1.49E-05	--	--	--	3.44E+00	--	4.15E-01	5.67E-01	1.04E-01	1.66E+00	1.64E+00	2.36E-02	3.70E-03	1.04E-01	1.25E-02	--	1.49E+00	1.49E+00	--	--
Risk/hazard reduction needed				2.92E-05										1.66E-01	1.52E-01									
Allocation strategy			Equal risk assigned to six risk drivers. More risk assigned to vinyl chloride.											1.66E-01	7.58E-02									

Table adapted from P. Tomlinson, Washington State Department of Ecology

Notes:
Cells highlighted red show total risks or hazards unacceptable under MTCA.
Cells highlighted pink were adjusted for additive cancer risk.
Cells highlighted green were adjusted for additive hazard for the kidney.

Abbreviations and Acronyms:
CLARC = Ecology's Cleanup Levels and Risk Calculations database
COC = constituent of concern
COPC = constituent of potential concern
CUL - cleanup level
Eq. - equation
MCL = maximum contaminant level
MCL adj. 1E-5 = MCL adjusted down to a cancer risk of 1E-5
µg/L = micrograms per liter
MTCA = Model Toxics Control Act
N/A = not applicable
NA = not available

(a) CUL if this were the only chemical present. MCL adjusted if needed. CUL adjusted to natural background if needed.
(b) Base CUL in column B x 1E-6 / Eq. 720-2 value.
(c) Risks assigned to achieve total cancer risk of 1.49E-5 across all carcinogens. Additional risk assigned to vinyl chloride because the degradation process often stalls at vinyl chloride and also to TCE and benzene due to prevalence of these COCs at Site.
(d) For carcinogens: Eq. 720-2 value x assigned risk in column F / 1E-6. For noncarcinogens, base CUL in column B.
(e) CUL adjusted for cancer risk in column G / Eq. 720-1 value.
(f) For all but cadmium, cis-1,2-DCE, and trans-1,2-DCE, noncancer hazard in column I. For cadmium and cis-1,2-DCE (kidney), hazard was reduced equally to achieve a hazard index of 1.49.
(g) For chemicals with Eq. 720-1 values, Eq. 720-1 value x assigned hazard in column T. For chemicals without Eq. 720-1 values, CUL adjusted for cancer risk in column G.

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Table 8
Screening Levels for Soil Gas
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

CAS No.	Analyte	Unit of Measurement	MTCA Method B Soil Gas Screening Level		MTCA Method C Soil Gas Screening Level		Soil Gas Screening Level Commercial Worker		Screening Level (Before Adjustment for PQL)	Laboratory PQL	Adjusted Screening Level
			Non-Carcinogenic	Carcinogenic	Non-Carcinogenic	Carcinogenic	Non-Carcinogenic	Carcinogenic			
71-43-2	Benzene	µg/m^3	460	11	1,000	110	3,900	50	50	1.3	50
75-34-3	Dichloroethane; 1,1-	µg/m^3		52		520		240	240	1.3	240
127-18-4	Tetrachloroethene	µg/m^3	610	320	1,300	3,200	5,200	1,500	1,500	1.3	1,500
79-01-6	Trichloroethene	µg/m^3	30	11	67	200	250	95	67	1.3	95
75-01-4	Vinyl chloride	µg/m^3	1,500	9.5	3,300	95	13,000	44	44	1.3	44

Note:

Analyte list is based on VOCs that were detected in any soil gas sample collected by Landau Associates during the AO RI and during investigations conducted prior to the AO RI and that were present in concentrations exceeding the Site-specific screening levels included in the Agreed Order Remedial Investigation/Feasibility Study Work Plan (Landau 2024a).

Abbreviations and Acronyms:

AO = Agreed Order
CAS = Chemical Abstracts Service
µg/m^3 = microgram per cubic meter
MTCA = Model Toxics Control Act
PQL = practical quantitation limit
RI = remedial investigation
VOCs = volatile organic compounds

Table 9
Screening Levels for PFAS in Groundwater
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Analyte Group	CAS No.	Analyte	Unit of Measurement	Federal MCL	Washington State MCL	MTCA Method B Standard Formula Values		MTCA Method B	MTCA Method C Industrial Land Use		Screening Level (Before Adjustment for PQL and Background)	Laboratory PQL	Adjusted Screening Level[a]
						Non-Carcinogen	Carcinogen	Potable Groundwater	Non-Carcinogen	Carcinogen			
PFAS	27619-97-2	Fluorotelomer sulfonic acid; 6:2 (6:2 FTS)	µg/L			3.2		3.2	7		3.200	0.00607	3.2
PFAS	13252-13-6	Hexafluoropropylene oxide dimer acid (HFPO-Da; Genx)	µg/L	0.01	0.01	0.024		0.01	0.053		0.010	0.00668	0.010
PFAS	375-73-5	Perfluorobutanesulfonic acid (PFBS)	µg/L			4.8		4.8	11		4.8	0.00142	4.8
PFAS	375-22-4	Perfluorobutanoic acid (PFBA)	µg/L			8		8	18		8	0.0064	8
PFAS	335-76-2	Perfluorodecanoic acid (PFDA)	µg/L			0.000032		0.000032	0.00007		0.000032	0.0016	0.0016
PFAS	355-46-4	Perfluorohexanesulfonic acid (PFHxS)	µg/L	0.01	0.01	0.0000064		0.0000064	0.000014		0.000064	0.00146	0.00146
PFAS	307-24-4	Perfluorohexanoic acid (PFHxA)	µg/L			8		8	18		8	0.0016	8
PFAS	375-95-1	Perfluorononanoic acid (PFNA)	µg/L	0.01	0.01	0.04		0.01	0.088		0.01	0.0016	0.01
PFAS	1763-23-1	Perfluorooctanesulfonic acid (PFOS)	µg/L	0.004		0.0016	0.0022	0.0004	0.0035	0.022	0.0004	0.00149	0.004[b]
PFAS	335-67-1	Perfluorooctanoic acid (PFOA)	µg/L	0.004		0.00048	0.00003	0.0004	0.0011	0.00003	0.0004	0.0016	0.004[b]

Notes:

(a) Screening levels for PFAS are provided for evaluation purposes only; preliminary cleanup levels have not been developed because PFAS will be evaluated under a separate agreed order.

(b) The EPA set the MCLs for PFOA and PFOS at their practical quantitation limit (PQL) limit of 4 ng/L (same as 4 ppt or 0.004 µg/L), and this PQL-based MCL was used as the target potable groundwater concentration in soil leaching calculations. Ecology has deviated from defaulting to the MTCA Method B CUL in CLARC for PFOS and PFOA, specifically, and has elected to use the EPA MCLs as the CULs.

Abbreviations and Acronyms:

CAS = Chemical Abstracts Service
CLARC = Ecology's Cleanup Levels and Risk Calculations database
CUL = cleanup level
Ecology = Washington State Department of Ecology
EPA = US Environmental Protection Agency
µg/L = micrograms per liter
MCL = maximum contaminant level
MTCA = Model Toxics Control Act
ng/L = nanograms per liter
PFAS = per- and polyfluorinated substances
PFOA = perfluorooctanoic acid
PFOS = perfluorooctanesulfonic acid
ppt = parts per trillion
PQL = practical quantitation limit

Table 10
Building C-19 – Detected Constituents in Soil
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

						Analyte Group:	Paine Field Soil Metals				Paine Field Soil TPH		Paine Field Soil VOCs							
						Analyte:	Arsenic	Chromium, Total	Lead	Mercury	DRO C12-C24	ORO C24-C40	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	4-isopropyltoluene	Acetone	Carbon Disulfide	cis-1,2-Dichloroethene	Methyl Ethyl Ketone
						CAS RN:	7440-38-2	7440-47-3	7439-92-1	7439-97-6	PHC_C12-C24	PHC_C24-C40	71-55-6	75-34-3	75-35-4		67-64-1	75-15-0	156-59-2	78-93-3
						Detect:	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y
						pCUL		2,000			2,000	2,000		41	46				79	
						Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**															
C-19	C19-TP1	C19TP1-SO-0.9-19940214	2/14/1994	N			--	--	--	--	--	--	**39**	**2**	ND	--	ND	1.1 U	**11**	ND
C-19	C19-TP1	C19TP1-SO-0-19940214	2/14/1994	N			--	--	--	--	--	--	**44**	**2.3**	**2.2**	**--**	**6.6**	1.1 U	**8.1**	ND
C-19	C19-TP2	C19TP2-SO-0.1-19940214	2/14/1994	N			--	--	--	--	--	--	**5.4**	ND	ND	--	ND	1.1 U	ND	ND
C-19	C19-TP2	C19TP2-SO-0.9-19940214	2/14/1994	N			--	--	--	--	--	--	ND	ND	ND	--	ND	1.1 U	ND	ND
C-19; Deep Aquifer	DW1	DW1-SO-117-20001212	12/12/2000	N			--	--	--	--	--	--	--	--	--	--	--	--	10 U	--
C-19; Deep Aquifer	DW1	DW1-SO-137-20001212	12/12/2000	N			--	--	--	--	--	--	--	--	--	--	--	--	10 U	--
C-19; Deep Aquifer	DW1	DW1-SO-57.5-20001212	12/12/2000	N			--	--	--	--	--	--	--	--	--	--	--	--	10 U	--
C-19; Deep Aquifer	DW1	DW1-SO-77-20001212	12/12/2000	N			--	--	--	--	--	--	--	--	--	--	--	--	10 U	--
C-19; Deep Aquifer	DW1	DW1-SO-97.5-20001212	12/12/2000	N			--	--	--	--	--	--	--	--	--	--	--	--	10 U	--
C-19	GP13	GP13-SO-9-20030320	3/20/2003	N	ChlorSolv-DrivePoint		--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	GP15	GP15-SO-3-20030320	3/20/2003	N	ChlorSolv-DrivePoint		--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	GP17	GP17-SO-8-20030320	3/20/2003	N	ChlorSolv-DrivePoint		--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	GP18	GP18-SO-2-20030320	3/20/2003	N	ChlorSolv-DrivePoint		--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	GP18	GP18-SO-9-20030320	3/20/2003	N	ChlorSolv-DrivePoint		--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	GP3	GP3-SO-4.5-20030320	3/20/2003	N	ChlorSolv-DrivePoint		--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	GP3	GP3-SO-8-20030320	3/20/2003	N	ChlorSolv-DrivePoint		--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	GP4	GP4-SO-3-20030320	3/20/2003	N	ChlorSolv-DrivePoint		--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	GP5	GP5-SO-3-20030320	3/20/2003	N	ChlorSolv-DrivePoint		--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	GP5	GP5-SO-8-20030320	3/20/2003	N	ChlorSolv-DrivePoint		--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	GP6	GP6-SO-2-20030320	3/20/2003	N	ChlorSolv-DrivePoint		--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	GP7	GP7-SO-2-20130321	3/21/2013	N	ChlorSolv-DrivePoint		--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	GP8	GP8-SO-2-20130321	3/21/2013	N	ChlorSolv-DrivePoint		--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	GP9	GP9-SO-2-20130321	3/21/2013	N	ChlorSolv-DrivePoint		--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	RISB-01	RISB-01-(9-10')	3/27/2019	N	ShallowInvest-PhaseI		--	--	--	--	--	--	10 U	1.5 U	1.5 U	--	50 U	10 U	1.5 U	50 U
C-19	RISB-01	RISB-01-(16-17')	3/27/2019	N	ShallowInvest-PhaseI		--	--	--	--	--	--	10 U	1.5 U	1.5 U	--	50 U	10 U	1.5 U	50 U
C-19	RISB-02	RISB-02-(11-12')	3/26/2019	N	ShallowInvest-PhaseI		--	--	--	--	--	--	10 U	1.5 U	1.5 U	--	50 U	10 U	1.5 U	50 U
C-19	RISB-03	RISB-03-(2-3')	3/26/2019	N	ShallowInvest-PhaseI		**4.0**	**36**	**13**	**0.028**	25 U	50 U	--	--	--	--	--	--	--	--
C-19	RISB-03	RISB-03-(29-30')	3/26/2019	N	ShallowInvest-PhaseI		--	--	--	--	--	--	10 U	1.5 U	1.5 U	--	50 U	10 U	1.5 U	50 U
C-19	RISB-03	RISB-03-(11-12')	3/26/2019	N	ShallowInvest-PhaseI		--	--	--	--	--	--	10 U	1.5 U	1.5 U	--	50 U	10 U	1.5 U	50 U
C-19	RISB-04	RISB-04-(2-3')	3/18/2019	N	ShallowInvest-PhaseI		**3.9**	**33**	**5.3**	**0.026**	25 U	50 U	10 U	1.5 U	1.5 U	--	50 U	10 U	1.5 U	50 U
C-19	RISB-05	RISB-05-(9.5-10.5')	3/18/2019	N	ShallowInvest-PhaseI		--	--	--	--	--	--	10 U	1.5 U	1.5 U	--	50 U	10 U	1.5 U	50 U
C-19	RISB-05	RISB-05-(2-3')	3/18/2019	N	ShallowInvest-PhaseI		**3.6**	**30**	**2.5**	**0.026**	25 U	50 U	--	--	--	--	--	--	--	--
C-19	RISB-06	RISB-06-(2-3')	3/27/2019	N	ShallowInvest-PhaseI		**3.9**	**34**	**5.5**	**0.029**	**37**	**210**	--	--	--	--	--	--	--	--
C-19	RISB-06	DUP-SOIL-190327	3/27/2019	FD	ShallowInvest-PhaseI		--	--	--	--	--	--	10 U	1.5 U	1.5 U	--	50 U	10 U	1.5 U	50 U
C-19	RISB-06	RISB-06-(19-21')	3/27/2019	N	ShallowInvest-PhaseI		--	--	--	--	--	--	10 U	1.5 U	1.5 U	--	50 U	10 U	1.5 U	50 U
C-19; Building C-20, C-21, C-22 Complex	RISB-07	DUP-SOIL-190328	3/28/2019	FD	ShallowInvest-PhaseI		--	--	--	--	25 U	50 U	10 U	1.5 U	1.5 U	--	50 U	10 U	1.5 U	50 U

Table 10
Building C-19 – Detected Constituents in Soil
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

						Analyte Group:	Paine Field Soil Metals				Paine Field Soil TPH		Paine Field Soil VOCs							
						Analyte:	Arsenic	Chromium, Total	Lead	Mercury	DRO C12-C24	ORO C24-C40	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	4-isopropyltoluene	Acetone	Carbon Disulfide	cis-1,2-Dichloroethene	Methyl Ethyl Ketone
						CAS RN:	7440-38-2	7440-47-3	7439-92-1	7439-97-6	PHC_C12-C24	PHC_C24-C40	71-55-6	75-34-3	75-35-4		67-64-1	75-15-0	156-59-2	78-93-3
						Detect:	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y
						pCUL		2,000			2,000	2,000		41	46				79	
						Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**															
C-19; Building C-20, C-21, C-22 Complex	RISB-07	RISB-07-(14.5-15.5')	3/28/2019	N	ShallowInvest-PhaseI		--	--	--	--	25 U	50 U	10 U	1.5 U	1.5 U	--	50 U	10 U	1.5 U	50 U
C-19; Building C-20, C-21, C-22 Complex	RISB-07	RISB-07-(29-30')	3/28/2019	N	ShallowInvest-PhaseI		--	--	--	--	--	--	10 U	1.5 U	1.5 U	--	50 U	10 U	1.5 U	50 U
C-19	RISB-08	RISB-08-(29-30')	3/26/2019	N	ShallowInvest-PhaseI		--	--	--	--	--	--	10 U	1.5 U	1.5 U	--	50 U	10 U	1.5 U	50 U
C-19	RISB-08	RISB-08-(19-20')	3/26/2019	N	ShallowInvest-PhaseI		--	--	--	--	--	--	10 U	1.5 U	1.5 U	--	50 U	10 U	1.5 U	50 U
C-19	RISB-09	RISB-09-(7-8')	3/25/2019	N	ShallowInvest-PhaseI		--	--	--	--	--	--	10 U	1.5 U	1.5 U	--	50 U	10 U	1.5 U	50 U
C-19	RISB-09	RISB-09-(24-25')	3/25/2019	N	ShallowInvest-PhaseI		--	--	--	--	--	--	10 U	1.5 U	1.5 U	--	50 U	10 U	1.5 U	50 U
C-19	RISB-09	RISB-09-(18-19')	3/25/2019	N	ShallowInvest-PhaseI		--	--	--	--	--	--	10 U	1.5 U	1.5 U	--	50 U	10 U	1.5 U	50 U
C-19	RISB-10	RISB-10-(7-8')	3/25/2019	N	ShallowInvest-PhaseI		--	--	--	--	--	--	10 U	1.5 U	1.5 U	--	50 U	10 U	1.5 U	50 U
C-19	RISB-10	RISB-10-(34-35')	3/25/2019	N	ShallowInvest-PhaseI		--	--	--	--	--	--	10 U	1.5 U	1.5 U	--	50 U	10 U	1.5 U	50 U
C-19	RISB-10	RISB-10-(23-24')	3/25/2019	N	ShallowInvest-PhaseI		--	--	--	--	--	--	10 U	1.5 U	1.5 U	--	50 U	10 U	1.5 U	50 U
C-19	RISB-11	RISB-11-(2-3')	3/25/2019	N	ShallowInvest-PhaseI		**3.5**	**30**	**2.5**	**0.021**	--	--	--	--	--	--	--	--	--	--
C-19	RISB-11	RISB-11-(34-35')	3/25/2019	N	ShallowInvest-PhaseI		--	--	--	--	--	--	10 U	1.5 U	1.5 U	--	50 U	10 U	1.5 U	50 U
C-19	RISB-11	RISB-11-(16-17')	3/25/2019	N	ShallowInvest-PhaseI		--	--	--	--	--	--	10 U	1.5 U	1.5 U	--	50 U	10 U	1.5 U	50 U
C-19	RISB-54	RISB-54-(8-9')	3/18/2019	N	ShallowInvest-PhaseI		--	--	--	--	--	--	10 U	1.5 U	1.5 U	--	50 U	10 U	1.5 U	50 U
C-19	RISB-55	RISB-55-(7-8')	3/18/2019	N	ShallowInvest-PhaseI		--	--	--	--	--	--	10 U	1.5 U	1.5 U	--	50 U	10 U	1.5 U	50 U
C-19	RISB-56	RISB-56-(24-25')	9/3/2019	N	Investigation-PhaseII		--	--	--	--	--	--	49 U	53 U	2.4 U	--	100 U	54 U	**240**	78 U
C-19	RISB-56	RISB-56-(15-16')	9/3/2019	N	Investigation-PhaseII		--	--	--	--	--	--	58 U	63 U	2.8 U	--	120 U	64 U	**190**	92 U
C-19	RISB-57	RISB-57-(7.5-8.5')	9/3/2019	N	Investigation-PhaseII		--	--	--	--	--	--	10 U	1.5 U	1.5 U	--	50 U	10 U	1.5 U	50 U
C-19	RISB-57	RISB-57-(21.5-22.5')	9/3/2019	N	Investigation-PhaseII		--	--	--	--	--	--	10 U	1.5 U	1.5 U	--	50 U	10 U	1.5 U	50 U
C-19	RISB-58	RISB-58-(24-25')	9/3/2019	N	Investigation-PhaseII		--	--	--	--	--	--	10 U	1.5 U	**2.0**	**--**	50 U	10 U	**10**	50 U
C-19	RISB-58	RISB-58-(7-8')	9/3/2019	N	Investigation-PhaseII		--	--	--	--	--	--	10 U	1.5 U	1.5 U	--	50 U	10 U	**4.1**	50 U
C-19; Building C-20, C-21, C-22 Complex	RISB-69	RISB-69-(9-10')	12/1/2022	N	PhaseIII		--	--	--	--	--	--	10 U	1.5 U	1.5 U	--	50 U	10 U	1.5 U	50 U
C-19; Building C-20, C-21, C-22 Complex	RISB-69	RISB-69-(19-20')	12/1/2022	N	PhaseIII		--	--	--	--	--	--	10 U	1.5 U	1.5 U	--	50 U	10 U	1.5 U	50 U
C-19; Building C-20, C-21, C-22 Complex	RISB-69	RISB-69-(29-30')	12/1/2022	N	PhaseIII		--	--	--	--	--	--	10 U	1.5 U	1.5 U	--	50 U	10 U	1.5 U	50 U
C-19; Building C-20, C-21, C-22 Complex	RISB-70	RISB-70-(9-10')	11/30/2022	N	PhaseIII		--	--	--	--	--	--	10 U	1.5 U	1.5 U	--	50 U	10 U	1.5 U	50 U
C-19; Building C-20, C-21, C-22 Complex	RISB-70	RISB-70-(19-20')	11/30/2022	N	PhaseIII		--	--	--	--	--	--	10 U	1.5 U	1.5 U	--	50 U	10 U	1.5 U	50 U
C-19; Building C-20, C-21, C-22 Complex	RISB-70	RISB-70-(29-30')	11/30/2022	N	PhaseIII		--	--	--	--	--	--	10 U	1.5 U	1.5 U	--	50 U	10 U	1.5 U	50 U
C-19; Building C-20, C-21, C-22 Complex	RISB-71	DUP-SOIL-221201	12/1/2022	N	PhaseIII		--	--	--	--	--	--	10 U	1.5 U	1.5 U	--	50 U	10 U	1.5 U	50 U
C-19; Building C-20, C-21, C-22 Complex	RISB-71	RISB-71-(9-10')	12/1/2022	N	PhaseIII		--	--	--	--	--	--	10 U	1.5 U	1.5 U	--	50 U	10 U	1.5 U	50 U
C-19; Building C-20, C-21, C-22 Complex	RISB-71	RISB-71-(19-20')	12/1/2022	N	PhaseIII		--	--	--	--	--	--	10 U	1.5 U	1.5 U	--	50 U	10 U	1.5 U	50 U
C-19; Building C-20, C-21, C-22 Complex	RISB-71	RISB-71-(29-30')	12/2/2022	N	PhaseIII		--	--	--	--	--	--	10 U	1.5 U	1.5 U	--	50 U	10 U	1.5 U	50 U
C-19	RISB-100	RISB-100-S-34-35	5/29/2024	N	TECT AO RI		--	--	--	--	--	--	10 U	1.5 U	1.5 U	--	50 U	10 U	1.5 U	50 U
C-19	RISB-100	RISB-100-S-18-19	5/29/2024	N	TECT AO RI		--	--	--	--	--	--	10 U	1.5 U	1.5 U	--	50 U	10 U	1.5 U	50 U
C-19	RISB-101	RISB-101-S-11-12	5/29/2024	N	TECT AO RI		--	--	--	--	--	--	10 U	1.5 U	1.5 U	--	50 U	10 U	**3.8**	50 U
C-19	RISB-101	RISB-101-S-29-30	5/29/2024	N	TECT AO RI		--	--	--	--	--	--	10 U	**1.9**	**5.9**	**--**	50 U	10 U	**31**	50 U
C-19	RISB-102	RISB-102-S-39-40	5/29/2024	N	TECT AO RI		--	--	--	--	--	--	10 U	1.5 U	1.5 U	--	50 U	10 U	1.5 U	50 U

Table 10
Building C-19 – Detected Constituents in Soil
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

						Analyte Group:	Paine Field Soil Metals				Paine Field Soil TPH		Paine Field Soil VOCs							
						Analyte:	Arsenic	Chromium, Total	Lead	Mercury	DRO C12-C24	ORO C24-C40	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	4-isopropyltoluene	Acetone	Carbon Disulfide	cis-1,2-Dichloroethene	Methyl Ethyl Ketone
						CAS RN:	7440-38-2	7440-47-3	7439-92-1	7439-97-6	PHC_C12-C24	PHC_C24-C40	71-55-6	75-34-3	75-35-4		67-64-1	75-15-0	156-59-2	78-93-3
						Detect:	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	Y	Y	Y
						pCUL		2,000			2,000	2,000		41	46				79	
						Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**															
C-19	RISB-102	RISB-102-S-13-14	5/29/2024	N	TECT AO RI		--	--	--	--	--	--	10 U	1.5 U	1.5 U	--	50 U	10 U	1.5 U	50 U
C-19	RISB-103	RISB-103-S-39-40	5/31/2024	N	TECT AO RI		--	--	--	--	--	--	10 U	1.5 U	1.5 U	--	50 U	10 U	**37**	50 U
C-19	RISB-103	RISB-103-S-16-17	5/31/2024	N	TECT AO RI		--	--	--	--	--	--	10 U	1.5 U	1.5 U	--	50 U	10 U	**16**	50 U
C-19	RISB-201	RISB-201-3.5-4	1/28/2025	N	TECT AO RI		--	--	--	--	--	--	10 U	1.5 U	1.5 U	**11 J**	**130 J**	10 U	1.5 U	50 U
C-19	RISB-201	RISB-201-39-40	1/28/2025	N	TECT AO RI		--	--	--	--	--	--	10 U	1.5 U	1.5 U	10 U	50 U	10 U	1.5 U	50 U
C-19	SCPWD-2	SCPWD-2-SO-11.5-19961223	12/23/1996	N			--	--	--	--	--	--	--	--	--	--	--	--	50 U	--
C-19	SCPWD-2	SCPWD-2-SO-16.5-19961223	12/23/1996	N			--	--	--	--	--	--	--	--	--	--	--	--	**62.5**	--
C-19	SCPWD-2	SCPWD-2-SO-8.5-19961223	12/23/1996	N			--	--	--	--	--	--	--	--	--	--	--	--	50 U	--
C-19	SCPWD-3	SCPWD-3-SO-11.5-19961223	12/23/1996	N			--	--	--	--	--	--	--	--	--	--	--	--	50 U	--
C-19	SCPWD-3	SCPWD-3-SO-13.5-19961223	12/23/1996	N			--	--	--	--	--	--	--	--	--	--	--	--	50 U	--
C-19	SCPWD-3	SCPWD-3-SO-16.5-19961223	12/23/1996	N			--	--	--	--	--	--	--	--	--	--	--	--	50 U	--
C-19	SCPWD-3	SCPWD-3-SO-18.5-19961223	12/23/1996	N			--	--	--	--	--	--	--	--	--	--	--	--	50 U	--
C-19	SCPWD-3	SCPWD-3-SO-21.5-19961223	12/23/1996	N			--	--	--	--	--	--	--	--	--	--	--	--	50 U	--
C-19	SCPWD-3	SCPWD-3-SO-23.5-19961223	12/23/1996	N			--	--	--	--	--	--	--	--	--	--	--	--	50 U	--
C-19	SCPWD-3	SCPWD-3-SO-28.5-19961223	12/23/1996	N			--	--	--	--	--	--	--	--	--	--	--	--	50 U	--
C-19	SCPWD-3	SCPWD-3-SO-33.5-19961223	12/23/1996	N			--	--	--	--	--	--	--	--	--	--	--	--	**50**	--
C-19	SCPWD-3	SCPWD-3-SO-8.5-19961223	12/23/1996	N			--	--	--	--	--	--	--	--	--	--	--	--	50 U	--
C-19	SCPWD-4	SCPWD-4-SO-13.5-19961213	12/13/1996	N			--	--	--	--	--	--	--	--	--	--	--	--	50 U	--
C-19	SCPWD-4	SCPWD-4-SO-18.5-19961213	12/13/1996	N			--	--	--	--	--	--	--	--	--	--	--	--	50 U	--
C-19	SCPWD-4	SCPWD-4-SO-8.5-19961213	12/13/1996	N			--	--	--	--	--	--	--	--	--	--	--	--	50 U	--
C-19	SU2-FL-0.8	SU2-FL-0.8-SO-19950727	7/27/1995	N	DgrPitSump-BldgC19		--	--	--	--	--	--	ND	ND	ND	--	**110**	ND	**44**	ND
C-19	SU2-NE-0.8	SU2-NE-0.8-SO-19950727	7/27/1995	N	DgrPitSump-BldgC19		--	--	--	--	--	--	ND	ND	ND	--	**59**	ND	**57**	ND
C-19	SU2-NW-0.8	SU2-NW-0.8-SO-19950727	7/27/1995	N	DgrPitSump-BldgC19		--	--	--	--	--	--	ND	ND	ND	--	**78**	ND	**19**	ND
C-19	SU-FL-0.5	SU-FL-0.5-SO-19950727	7/27/1995	N	DgrPitSump-BldgC19		--	--	--	--	--	--	ND	**47**	**6.9**	**--**	ND	ND	**47**	**14**
C-19	SU-FL-1.0	SU-FL-1.0-SO-19950727	7/27/1995	N	DgrPitSump-BldgC19		--	--	--	--	--	--	**29**	**73**	ND	--	**220**	ND	**100**	ND
C-19	SU-NE-0.4	SU-NE-0.4-SO-19950727	7/27/1995	N	DgrPitSump-BldgC19		--	--	--	--	--	--	ND	**13**	**1.2**	**--**	ND	**1.6**	**31**	ND
C-19	SU-NE-1.0	SU-NE-1.0-SO-19950727	7/27/1995	N	DgrPitSump-BldgC19		--	--	--	--	--	--	ND	**24**	ND	--	**56**	ND	**53**	ND
C-19	SU-NW-0.5	SU-NW-0.5-SO-19950727	7/27/1995	N	DgrPitSump-BldgC19		--	--	--	--	--	--	ND	ND	ND	--	ND	ND	**54**	ND
C-19	SU-NW-1.0	SU-NW-1.0-SO-19950727	7/27/1995	N	DgrPitSump-BldgC19		--	--	--	--	--	--	ND	ND	ND	--	**87**	ND	**47**	ND
C-19	SU-SE-0.5	SU-SE-0.5-SO-19950727	7/27/1995	N	DgrPitSump-BldgC19		--	--	--	--	--	--	ND	**1.2**	ND	--	ND	ND	**46**	ND
C-19	SU-SE-1.1	SU-SE-1.1-SO-19950727	7/27/1995	N	DgrPitSump-BldgC19		--	--	--	--	--	--	ND	ND	ND	--	ND	ND	**6.7**	ND
C-19	SU-SW-0.5	SU-SW-0.5-SO-19950727	7/27/1995	N	DgrPitSump-BldgC19		--	--	--	--	--	--	**1.1**	ND	ND	--	ND	ND	**8.7**	ND
C-19	SU-SW-1.0	SU-SW-1.0-SO-19950727	7/27/1995	N	DgrPitSump-BldgC19		--	--	--	--	--	--	ND	**17**	**4.8**	**--**	ND	ND	**53**	**7.4**

Table 10
Building C-19 – Detected Constituents in Soil
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

						Analyte Group:	Paine Field Soil VOCs				
						Analyte:	Methylene Chloride	Tetrachloroethene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride
						CAS RN:	75-09-2	127-18-4	156-60-5	79-01-6	75-01-4
						Detect:	Y	Y	Y	Y	Y
						pCUL		50	520	25	1.7
						Units:	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**						
C-19	C19-TP1	C19TP1-SO-0.9-19940214	2/14/1994	N			5.7 U	1.1 U	ND	**590**	ND
C-19	C19-TP1	C19TP1-SO-0-19940214	2/14/1994	N			5.7 U	1.1 U	ND	**220**	ND
C-19	C19-TP2	C19TP2-SO-0.1-19940214	2/14/1994	N			5.2 U	1.1 U	ND	**19**	ND
C-19	C19-TP2	C19TP2-SO-0.9-19940214	2/14/1994	N			5.6 U	1.1 U	ND	**27**	ND
C-19; Deep Aquifer	DW1	DW1-SO-117-20001212	12/12/2000	N			--	--	10 U	10 U	--
C-19; Deep Aquifer	DW1	DW1-SO-137-20001212	12/12/2000	N			--	--	10 U	10 U	--
C-19; Deep Aquifer	DW1	DW1-SO-57.5-20001212	12/12/2000	N			--	--	10 U	**10**	--
C-19; Deep Aquifer	DW1	DW1-SO-77-20001212	12/12/2000	N			--	--	10 U	10 U	--
C-19; Deep Aquifer	DW1	DW1-SO-97.5-20001212	12/12/2000	N			--	--	10 U	10 U	--
C-19	GP13	GP13-SO-9-20030320	3/20/2003	N	ChlorSolv-DrivePoint		20 U	--	--	10 U	--
C-19	GP15	GP15-SO-3-20030320	3/20/2003	N	ChlorSolv-DrivePoint		**22**	--	--	10 U	--
C-19	GP17	GP17-SO-8-20030320	3/20/2003	N	ChlorSolv-DrivePoint		20 U	--	--	**43**	--
C-19	GP18	GP18-SO-2-20030320	3/20/2003	N	ChlorSolv-DrivePoint		20 U	--	--	10 U	--
C-19	GP18	GP18-SO-9-20030320	3/20/2003	N	ChlorSolv-DrivePoint		20 U	--	--	**59**	--
C-19	GP3	GP3-SO-4.5-20030320	3/20/2003	N	ChlorSolv-DrivePoint		20 U	--	--	10 U	--
C-19	GP3	GP3-SO-8-20030320	3/20/2003	N	ChlorSolv-DrivePoint		20 U	--	--	**63**	--
C-19	GP4	GP4-SO-3-20030320	3/20/2003	N	ChlorSolv-DrivePoint		**26**	--	--	10 U	--
C-19	GP5	GP5-SO-3-20030320	3/20/2003	N	ChlorSolv-DrivePoint		20 U	--	--	10 U	--
C-19	GP5	GP5-SO-8-20030320	3/20/2003	N	ChlorSolv-DrivePoint		20 U	--	--	10 U	--
C-19	GP6	GP6-SO-2-20030320	3/20/2003	N	ChlorSolv-DrivePoint		20 U	--	--	10 U	--
C-19	GP7	GP7-SO-2-20130321	3/21/2013	N	ChlorSolv-DrivePoint		20 U	--	--	10 U	--
C-19	GP8	GP8-SO-2-20130321	3/21/2013	N	ChlorSolv-DrivePoint		20 U	--	--	10 U	--
C-19	GP9	GP9-SO-2-20130321	3/21/2013	N	ChlorSolv-DrivePoint		20 U	--	--	10 U	--
C-19	RISB-01	RISB-01-(9-10')	3/27/2019	N	ShallowInvest-PhaseI		1.9 U	1.5 U	10 U	1.5 U	0.05 U
C-19	RISB-01	RISB-01-(16-17')	3/27/2019	N	ShallowInvest-PhaseI		1.5 U	1.5 U	10 U	1.5 U	0.05 U
C-19	RISB-02	RISB-02-(11-12')	3/26/2019	N	ShallowInvest-PhaseI		1.7 U	1.5 U	10 U	1.5 U	0.05 U
C-19	RISB-03	RISB-03-(2-3')	3/26/2019	N	ShallowInvest-PhaseI		--	--	--	--	--
C-19	RISB-03	RISB-03-(29-30')	3/26/2019	N	ShallowInvest-PhaseI		1.5 U	1.5 U	10 U	1.5 U	0.05 U
C-19	RISB-03	RISB-03-(11-12')	3/26/2019	N	ShallowInvest-PhaseI		1.5 U	1.5 U	10 U	1.5 U	0.05 U
C-19	RISB-04	RISB-04-(2-3')	3/18/2019	N	ShallowInvest-PhaseI		1.5 U	1.5 U	10 U	1.5 U	0.05 U
C-19	RISB-05	RISB-05-(9.5-10.5')	3/18/2019	N	ShallowInvest-PhaseI		1.5 U	1.5 U	10 U	1.5 U	0.05 U
C-19	RISB-05	RISB-05-(2-3')	3/18/2019	N	ShallowInvest-PhaseI		--	--	--	--	--
C-19	RISB-06	RISB-06-(2-3')	3/27/2019	N	ShallowInvest-PhaseI		--	--	--	--	--
C-19	RISB-06	DUP-SOIL-190327	3/27/2019	FD	ShallowInvest-PhaseI		1.5 U	1.5 U	10 U	**4.7**	0.05 U
C-19	RISB-06	RISB-06-(19-21')	3/27/2019	N	ShallowInvest-PhaseI		1.5 U	1.5 U	10 U	**2.6**	**0.15**
C-19; Building C-20, C-21, C-22 Complex	RISB-07	DUP-SOIL-190328	3/28/2019	FD	ShallowInvest-PhaseI		1.6 U	1.5 U	10 U	1.5 U	**0.081**

Table 10
Building C-19 – Detected Constituents in Soil
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Analyte Group:						Paine Field Soil VOCs				
Analyte:						Methylene Chloride	Tetrachloroethene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride
CAS RN:						75-09-2	127-18-4	156-60-5	79-01-6	75-01-4
Detect:						Y	Y	Y	Y	Y
pCUL							50	520	25	1.7
Units:						µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**					
C-19; Building C-20, C-21, C-22 Complex	RISB-07	RISB-07-(14.5-15.5')	3/28/2019	N	ShallowInvest-PhaseI	1.7 U	1.5 U	10 U	1.5 U	**0.11**
C-19; Building C-20, C-21, C-22 Complex	RISB-07	RISB-07-(29-30')	3/28/2019	N	ShallowInvest-PhaseI	1.6 U	1.5 U	10 U	1.5 U	0.05 U
C-19	RISB-08	RISB-08-(29-30')	3/26/2019	N	ShallowInvest-PhaseI	1.5 U	1.5 U	10 U	1.5 U	0.05 U
C-19	RISB-08	RISB-08-(19-20')	3/26/2019	N	ShallowInvest-PhaseI	1.5 U	1.5 U	10 U	1.5 U	0.05 U
C-19	RISB-09	RISB-09-(7-8')	3/25/2019	N	ShallowInvest-PhaseI	1.5 U	1.5 U	10 U	1.5 U	0.05 U
C-19	RISB-09	RISB-09-(24-25')	3/25/2019	N	ShallowInvest-PhaseI	1.7 U	1.5 U	10 U	1.5 U	0.05 U
C-19	RISB-09	RISB-09-(18-19')	3/25/2019	N	ShallowInvest-PhaseI	1.5 U	1.5 U	10 U	1.5 U	0.05 U
C-19	RISB-10	RISB-10-(7-8')	3/25/2019	N	ShallowInvest-PhaseI	1.5 U	1.5 U	10 U	1.5 U	0.05 U
C-19	RISB-10	RISB-10-(34-35')	3/25/2019	N	ShallowInvest-PhaseI	1.5 U	1.5 U	10 U	1.5 U	0.05 U
C-19	RISB-10	RISB-10-(23-24')	3/25/2019	N	ShallowInvest-PhaseI	1.5 U	1.5 U	10 U	1.5 U	0.05 U
C-19	RISB-11	RISB-11-(2-3')	3/25/2019	N	ShallowInvest-PhaseI	--	--	--	--	--
C-19	RISB-11	RISB-11-(34-35')	3/25/2019	N	ShallowInvest-PhaseI	1.6 U	1.5 U	10 U	1.5 U	0.05 U
C-19	RISB-11	RISB-11-(16-17')	3/25/2019	N	ShallowInvest-PhaseI	1.5 U	1.5 U	10 U	1.5 U	0.05 U
C-19	RISB-54	RISB-54-(8-9')	3/18/2019	N	ShallowInvest-PhaseI	1.5 U	1.5 U	10 U	1.5 U	0.05 U
C-19	RISB-55	RISB-55-(7-8')	3/18/2019	N	ShallowInvest-PhaseI	1.5 U	1.5 U	10 U	**7.2**	0.05 U
C-19	RISB-56	RISB-56-(24-25')	9/3/2019	N	Investigation-PhaseII	110 U	3.7 U	53 U	**7,500**	2.3 U
C-19	RISB-56	RISB-56-(15-16')	9/3/2019	N	Investigation-PhaseII	130 U	4.3 U	62 U	**10,000**	2.7 U
C-19	RISB-57	RISB-57-(7.5-8.5')	9/3/2019	N	Investigation-PhaseII	1.6 U	1.5 U	10 U	1.5 U	0.05 U
C-19	RISB-57	RISB-57-(21.5-22.5')	9/3/2019	N	Investigation-PhaseII	1.6 U	1.5 U	10 U	1.5 U	0.05 U
C-19	RISB-58	RISB-58-(24-25')	9/3/2019	N	Investigation-PhaseII	1.6 U	1.5 U	10 U	**890**	**0.53**
C-19	RISB-58	RISB-58-(7-8')	9/3/2019	N	Investigation-PhaseII	1.9 U	1.5 U	10 U	1.5 U	**0.41**
C-19; Building C-20, C-21, C-22 Complex	RISB-69	RISB-69-(9-10')	12/1/2022	N	PhaseIII	1.5 U	1.5 U	10 U	1.5 U	0.05 U
C-19; Building C-20, C-21, C-22 Complex	RISB-69	RISB-69-(19-20')	12/1/2022	N	PhaseIII	**2.5**	1.5 U	10 U	1.5 U	0.05 U
C-19; Building C-20, C-21, C-22 Complex	RISB-69	RISB-69-(29-30')	12/1/2022	N	PhaseIII	1.5 U	1.5 U	10 U	1.5 U	0.05 U
C-19; Building C-20, C-21, C-22 Complex	RISB-70	RISB-70-(9-10')	11/30/2022	N	PhaseIII	1.5 U	1.5 U	10 U	1.5 U	0.05 U
C-19; Building C-20, C-21, C-22 Complex	RISB-70	RISB-70-(19-20')	11/30/2022	N	PhaseIII	1.7 U	1.5 U	10 U	1.5 U	0.05 U
C-19; Building C-20, C-21, C-22 Complex	RISB-70	RISB-70-(29-30')	11/30/2022	N	PhaseIII	1.5 U	1.5 U	10 U	1.5 U	0.05 U
C-19; Building C-20, C-21, C-22 Complex	RISB-71	DUP-SOIL-221201	12/1/2022	N	PhaseIII	1.5 U	1.5 U	10 U	**14**	**0.11**
C-19; Building C-20, C-21, C-22 Complex	RISB-71	RISB-71-(9-10')	12/1/2022	N	PhaseIII	1.5 U	1.5 U	10 U	**11**	**0.079**
C-19; Building C-20, C-21, C-22 Complex	RISB-71	RISB-71-(19-20')	12/1/2022	N	PhaseIII	**3.4**	1.5 U	10 U	1.5 U	**0.068**
C-19; Building C-20, C-21, C-22 Complex	RISB-71	RISB-71-(29-30')	12/2/2022	N	PhaseIII	**2.9**	1.5 U	10 U	1.5 U	0.05 U
C-19	RISB-100	RISB-100-S-34-35	5/29/2024	N	TECT AO RI	**9.9**	1.5 U	10 U	1.5 U	0.05 U
C-19	RISB-100	RISB-100-S-18-19	5/29/2024	N	TECT AO RI	**12**	1.5 U	10 U	1.5 U	0.05 U
C-19	RISB-101	RISB-101-S-11-12	5/29/2024	N	TECT AO RI	**17**	1.5 U	10 U	1.5 U	**5.4**
C-19	RISB-101	RISB-101-S-29-30	5/29/2024	N	TECT AO RI	**14**	1.5 U	10 U	**25**	**5.3**
C-19	RISB-102	RISB-102-S-39-40	5/29/2024	N	TECT AO RI	**16**	1.5 U	10 U	1.5 U	0.05 U

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Table 10
Building C-19 – Detected Constituents in Soil
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

						Analyte Group:	Paine Field Soil VOCs				
						Analyte:	Methylene Chloride	Tetrachloroethene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride
						CAS RN:	75-09-2	127-18-4	156-60-5	79-01-6	75-01-4
						Detect:	Y	Y	Y	Y	Y
						pCUL		50	520	25	1.7
						Units:	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**						
C-19	RISB-102	RISB-102-S-13-14	5/29/2024	N	TECT AO RI		**14**	1.5 U	10 U	1.5 U	0.05 U
C-19	RISB-103	RISB-103-S-39-40	5/31/2024	N	TECT AO RI		**7.2**	1.5 U	10 U	**3,500**	**2.6**
C-19	RISB-103	RISB-103-S-16-17	5/31/2024	N	TECT AO RI		**9.8**	1.5 U	10 U	**3,800**	**0.31**
C-19	RISB-201	RISB-201-3.5-4	1/28/2025	N	TECT AO RI		**1.6**	1.5 U	10 U	1.5 U	0.05 U
C-19	RISB-201	RISB-201-39-40	1/28/2025	N	TECT AO RI		**2.5**	1.5 U	10 U	1.5 U	0.05 U
C-19	SCPWD-2	SCPWD-2-SO-11.5-19961223	12/23/1996	N			--	--	--	**69.4**	--
C-19	SCPWD-2	SCPWD-2-SO-16.5-19961223	12/23/1996	N			--	--	--	**1,050**	--
C-19	SCPWD-2	SCPWD-2-SO-8.5-19961223	12/23/1996	N			--	--	--	**64.9**	--
C-19	SCPWD-3	SCPWD-3-SO-11.5-19961223	12/23/1996	N			--	--	--	**1,350**	--
C-19	SCPWD-3	SCPWD-3-SO-13.5-19961223	12/23/1996	N			--	--	--	**463**	--
C-19	SCPWD-3	SCPWD-3-SO-16.5-19961223	12/23/1996	N			--	--	--	**99.8**	--
C-19	SCPWD-3	SCPWD-3-SO-18.5-19961223	12/23/1996	N			--	--	--	50 U	--
C-19	SCPWD-3	SCPWD-3-SO-21.5-19961223	12/23/1996	N			--	--	--	**1,990**	--
C-19	SCPWD-3	SCPWD-3-SO-23.5-19961223	12/23/1996	N			--	--	--	**2,100**	--
C-19	SCPWD-3	SCPWD-3-SO-28.5-19961223	12/23/1996	N			--	--	--	**4,300**	--
C-19	SCPWD-3	SCPWD-3-SO-33.5-19961223	12/23/1996	N			--	--	--	**1,250**	--
C-19	SCPWD-3	SCPWD-3-SO-8.5-19961223	12/23/1996	N			--	--	--	**1,720**	--
C-19	SCPWD-4	SCPWD-4-SO-13.5-19961213	12/13/1996	N			--	--	--	50 U	--
C-19	SCPWD-4	SCPWD-4-SO-18.5-19961213	12/13/1996	N			--	--	--	50 U	--
C-19	SCPWD-4	SCPWD-4-SO-8.5-19961213	12/13/1996	N			--	--	--	50 U	--
C-19	SU2-FL-0.8	SU2-FL-0.8-SO-19950727	7/27/1995	N	DgrPitSump-BldgC19		**41**	ND	ND	**4,700**	ND
C-19	SU2-NE-0.8	SU2-NE-0.8-SO-19950727	7/27/1995	N	DgrPitSump-BldgC19		**86**	ND	ND	**4,400**	ND
C-19	SU2-NW-0.8	SU2-NW-0.8-SO-19950727	7/27/1995	N	DgrPitSump-BldgC19		**78**	ND	ND	**1,900**	ND
C-19	SU-FL-0.5	SU-FL-0.5-SO-19950727	7/27/1995	N	DgrPitSump-BldgC19		ND	ND	**2.6**	**2,300**	ND
C-19	SU-FL-1.0	SU-FL-1.0-SO-19950727	7/27/1995	N	DgrPitSump-BldgC19		**28**	ND	ND	**3,200**	ND
C-19	SU-NE-0.4	SU-NE-0.4-SO-19950727	7/27/1995	N	DgrPitSump-BldgC19		ND	**2.2**	**2.1**	**8,900**	ND
C-19	SU-NE-1.0	SU-NE-1.0-SO-19950727	7/27/1995	N	DgrPitSump-BldgC19		ND	ND	ND	**10,000**	ND
C-19	SU-NW-0.5	SU-NW-0.5-SO-19950727	7/27/1995	N	DgrPitSump-BldgC19		ND	ND	ND	**4,400**	ND
C-19	SU-NW-1.0	SU-NW-1.0-SO-19950727	7/27/1995	N	DgrPitSump-BldgC19		ND	ND	ND	**4,100**	ND
C-19	SU-SE-0.5	SU-SE-0.5-SO-19950727	7/27/1995	N	DgrPitSump-BldgC19		ND	ND	ND	**1,700**	ND
C-19	SU-SE-1.1	SU-SE-1.1-SO-19950727	7/27/1995	N	DgrPitSump-BldgC19		ND	ND	ND	**69**	ND
C-19	SU-SW-0.5	SU-SW-0.5-SO-19950727	7/27/1995	N	DgrPitSump-BldgC19		ND	ND	ND	**160**	ND
C-19	SU-SW-1.0	SU-SW-1.0-SO-19950727	7/27/1995	N	DgrPitSump-BldgC19		ND	ND	**1.9**	**5,700**	**4.7**

Notes:

Bold text indicates detected analyte**.**

Blue shading = exceeds project SL

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

J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

Abbreviations and Acronyms:

-- = not analyzed
AO = Agreed Order
CAS = Chemical Abstracts Service
FD = field duplicate sample
ID = identification
mg/kg = miligrams per kilogram
MTCA = Model Toxics Control Act
N = primary sample
ND = not detected
pCUL = preliminary cleanup level
RI = remedial investigation
RN = registry number
SL = screening level
TPH = total petroleum hydrocarbons
µg/kg = micrograms per kilogram
VOC = volatile organic compound

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Table 11
Building C-19 – Detected Constituents in Groundwater
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

					Analyte Group:	Conventionals				Metals				SVOCs	TPH		TPH w/ SGC	
					Fraction:	N	N	N	N	D	D	T	D	N	N	N	N	N
					Analyte:	Methane	Nitrogen, Nitrate (as N)	Sulfate	Total Organic Carbon	Arsenic	Chromium, Total	Chromium, Total	Chromium, Trivalent	1,4-Dioxane	Petroleum Hydrocarbons DRO C12-C24	Petroleum Hydrocarbons ORO C24-C40	Petroleum Hydrocarbons DRO C12-C24	Petroleum Hydrocarbons ORO C24-C40
					CAS RN:	74-82-8	14797-55-8	14808-79-8	TOC	7440-38-2	7440-47-3	7440-47-3	16065-83-1	123-91-1	PHC_C12-C24	PHC_C24-C40	PHC_C12-C24	PHC_C24-C40
					Detected:	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
					pCUL:		10,000			13.6	50	50		0.44	500	500	500	500
					Units:	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**													
C-19	C19-TP1	C19TP1-W-19940214	2/14/1994	N	Historical	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	GP1	GP1-WG-20030320	3/20/2003	N	ChlorSolv-DrivePoint	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	GP10	GP10-WG-20030321	3/21/2003	N	ChlorSolv-DrivePoint	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	GP11	GP11-WG-20030320	3/20/2003	N	ChlorSolv-DrivePoint	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	GP12	GP12-WG-20030320	3/20/2003	N	ChlorSolv-DrivePoint	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	GP14	GP14-WG-20030320	3/20/2003	N	ChlorSolv-DrivePoint	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	GP15	GP15-WG-20030320	3/20/2003	N	ChlorSolv-DrivePoint	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	GP16	GP16-WG-20030320	3/20/2003	N	ChlorSolv-DrivePoint	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	GP17	GP17-WG-20030320	3/20/2003	N	ChlorSolv-DrivePoint	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	GP18	GP18-WG-20030320	3/20/2003	N	ChlorSolv-DrivePoint	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	GP19	GP19-WG-20030320	3/20/2003	N	ChlorSolv-DrivePoint	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	GP2	GP2-WG-20030320	3/20/2003	N	ChlorSolv-DrivePoint	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	GP20	GP20-WG-20030320	3/20/2003	N	ChlorSolv-DrivePoint	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	GP3	GP3-WG-20030320	3/20/2003	N	ChlorSolv-DrivePoint	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	GP4	GP4-WG-20030320	3/20/2003	N	ChlorSolv-DrivePoint	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	GP5	GP5-WG-20030320	3/20/2003	N	ChlorSolv-DrivePoint	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	GP6	GP6-WG-20030320	3/20/2003	N	ChlorSolv-DrivePoint	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	GP7	GP7-WG-20030321	3/21/2003	N	ChlorSolv-DrivePoint	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	GP8	GP8-WG-20030321	3/21/2003	N	ChlorSolv-DrivePoint	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	GP9	GP9-WG-20030321	3/21/2003	N	ChlorSolv-DrivePoint	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	RIGW-55	RIGW-55-190415	4/15/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	RIGW-55	RIGW-55-20190905	9/5/2019	N	Investigation-PhaseII	10 U	**5,800**	**7,400**	--	--	--	--	--	--	--	--	--	--
C-19	RIGW-55	RIGW-55-240812	8/12/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	130 U	250 U	130 U	250 U
C-19	RIGW-55	RIGW-55-240813	8/13/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	**0.47**	--	--	--	--
C-19	RISB-01	RISB-01-GW	3/27/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	RISB-03	RISB-03-GW	3/26/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	RISB-05	RISB-05-GW	3/18/2019	N	ShallowInvest-PhaseI	--	--	--	--	**1.8**	**2.5**	--	**2.5**	--	--	--	--	--
C-19	RISB-06	RISB-06-GW	3/27/2019	N	ShallowInvest-PhaseI	--	--	--	--	**1.3**	2 U	--	--	--	--	--	--	--
C-19; Building C-20, C-21, C-22 Complex	RISB-07	RISB-07-GW	3/28/2019	N	ShallowInvest-PhaseI	--	--	--	--	1 U	2 U	--	--	--	**280**	**340**	--	--
C-19	RISB-08	RISB-08-GW	3/26/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	RISB-09	RISB-09-GW	3/25/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	RISB-10	RISB-10-GW	3/25/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 11
Building C-19 – Detected Constituents in Groundwater
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

						Conventionals				Metals				SVOCs	TPH		TPH w/ SGC	
					Fraction:	N	N	N	N	D	D	T	D	N	N	N	N	N
					Analyte:	Methane	Nitrogen, Nitrate (as N)	Sulfate	Total Organic Carbon	Arsenic	Chromium, Total	Chromium, Total	Chromium, Trivalent	1,4-Dioxane	Petroleum Hydrocarbons DRO C12-C24	Petroleum Hydrocarbons ORO C24-C40	Petroleum Hydrocarbons DRO C12-C24	Petroleum Hydrocarbons ORO C24-C40
					CAS RN:	74-82-8	14797-55-8	14808-79-8	TOC	7440-38-2	7440-47-3	7440-47-3	16065-83-1	123-91-1	PHC_C12-C24	PHC_C24-C40	PHC_C12-C24	PHC_C24-C40
					Detected:	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
					pCUL:		10,000			13.6	50	50		0.44	500	500	500	500
					Units:	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**													
C-19	RISB-100	RISB-100-GW	5/29/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	0.4 U	--	--	--	--
C-19	RISB-101	RISB-101-GW	5/29/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	**2.7**	--	--	--	--
C-19	RISB-103	RISB-103-GW	5/31/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	**0.24**	--	--	--	--
C-19	RISB-56	RISB-56-GW	9/3/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	RISB-57	RISB-57-GW	9/3/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	RISB-58	RISB-58-GW	9/3/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19; Building C-20, C-21, C-22 Complex	RISB-69	RISB-69-GW-221201	12/1/2022	N	PhaseIII	--	--	--	--	--	--	--	--	**0.60**	--	--	--	--
C-19; Building C-20, C-21, C-22 Complex	RISB-70	RISB-70-GW-221130	11/30/2022	N	PhaseIII	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19; Building C-20, C-21, C-22 Complex	RISB-71	RISB-71-GW-221201	12/1/2022	N	PhaseIII	--	--	--	--	--	--	--	--	0.4 U	--	--	--	--
C-19	SCPWD-2	SCPWD-2-WG-19990309	3/9/1999	N	Historical	--	--	--	--	--	10 U	**40**	--	--	--	--	--	--
C-19	SCPWD-2	SCPWD-2-WG-20031017	10/17/2003	N	ChlorSolv-MW	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	SCPWD-2	SCPWD-2-181108	11/8/2018	N	Baseline	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	SCPWD-2	SCPWD-2-20190905	9/5/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	SCPWD-2	SCPWD-2-20240814	8/14/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	**0.070**	--	--	--	--
C-19	SCPWD-3	SCPWD-3-WG-19990309	3/9/1999	N	Historical	--	--	--	--	--	10 U	10 U	--	--	--	--	--	--
C-19	SCPWD-3	SCPWD-3-WG-20031017	10/17/2003	N	ChlorSolv-MW	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	SCPWD-3	SCPWD-3-181108	11/8/2018	N	Baseline	**30**	150 U	**12,000**	**3,600**	--	--	--	--	**0.44 J**	--	--	--	--
C-19	SCPWD-3	SCPWD-3-20190905	9/5/2019	N	Investigation-PhaseII	**20**	150 U	**10,000**	**3,600**	--	--	--	--	**0.94**	--	--	--	--
C-19	SCPWD-3	SCPWD-3-20240814	8/14/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	**0.56**	--	--	--	--
C-19	SCPWD-4	SCPWD-4-WG-19990309	3/9/1999	N	Historical	--	--	--	--	--	10 U	10 U	--	--	--	--	--	--
C-19	SCPWD-4	SCPWD-4-WG-20030321	3/21/2003	N	ChlorSolv-MW	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	SCPWD-4	SCPWD-4-WG-20031017	10/17/2003	N	ChlorSolv-MW	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	SCPWD-4	SCPWD-4-181108	11/8/2018	N	Baseline	**20**	**440**	**10,000**	**2,600**	--	--	--	--	0.4 UJ	--	--	--	--
C-19	SCPWD-4	SCPWD-4-20190905	9/5/2019	N	Investigation-PhaseII	10 U	**2,100**	**7,600**	**1,500**	--	--	--	--	--	--	--	--	--
C-19	SCPWD-4	SCPWD-4-20240814	8/14/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	0.04 U	--	--	--	--
C-19	SU2-NE-W	SU2-NE-W-WG-19950807	8/7/1995	N	DgrPitSump-BldgC19	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	SU-FL-W	SU-FL-W-WG-19950807	8/7/1995	N	DgrPitSump-BldgC19	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	SW-1.0-W	SW-1.0-W-WG-19950807	8/7/1995	N	DgrPitSump-BldgC19	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	RIGW-55	RIGW-55-241105	11/5/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	**0.77**	--	--	--	--
C-19	SCPWD-2	SCPWD-2-241104	11/4/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	**0.066**	--	--	--	--
C-19	SCPWD-3	SCPWD-3-241104	11/4/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	**0.58**	--	--	--	--
C-19	SCPWD-4	SCPWD-4-241107	11/7/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	0.4 U	--	--	--	--
C-19	RISB-201	RISB-201-GW-250125	1/28/2025	N	TECT AO RI	--	--	--	--	--	--	--	--	**0.067 J**	--	--	--	--

Table 11
Building C-19 – Detected Constituents in Groundwater
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

					Analyte Group:	VOCs														
					Fraction:	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
					Analyte:	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	4-isopropyltoluene	4-Methyl-2-pentanone	Acetone	Benzene	cis-1,2-Dichloroethene	Methyl Ethyl Ketone	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride
					CAS RN:	71-55-6	75-34-3	75-35-4	107-06-2	25155-15-1	108-10-1	67-64-1	71-43-2	156-59-2	78-93-3	127-18-4	108-88-3	156-60-5	79-01-6	75-01-4
					Detected:	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
					pCUL:	200	7.7	7.0	0.48				1.6	15		5.0		73	2.3	0.10
					Units:	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**															
C-19	C19-TP1	C19TP1-W-19940214	2/14/1994	N	Historical	**230**	**32**	**21**	1 U	--	**5.8**	**17**	1 U	**94**	**160**	1 U	**1.6**	**39**	**15,000**	**5.1**
C-19	GP1	GP1-WG-20030320	3/20/2003	N	ChlorSolv-DrivePoint	2 U	2 U	2 U	--	--	--	--	--	2 U	--	--	--	2 U	2 U	2 U
C-19	GP10	GP10-WG-20030321	3/21/2003	N	ChlorSolv-DrivePoint	2 U	2 U	2 U	--	--	--	--	--	2 U	--	--	--	2 U	2 U	2 U
C-19	GP11	GP11-WG-20030320	3/20/2003	N	ChlorSolv-DrivePoint	2 U	2 U	2 U	--	--	--	--	--	2 U	--	--	--	2 U	2 U	2 U
C-19	GP12	GP12-WG-20030320	3/20/2003	N	ChlorSolv-DrivePoint	**7**	**6**	**3**	--	--	--	--	--	**17**	--	--	--	2 U	**100**	2 U
C-19	GP14	GP14-WG-20030320	3/20/2003	N	ChlorSolv-DrivePoint	2 U	2 U	2 U	--	--	--	--	--	2 U	--	--	--	2 U	2 U	2 U
C-19	GP15	GP15-WG-20030320	3/20/2003	N	ChlorSolv-DrivePoint	2 U	2 U	2 U	--	--	--	--	--	2 U	--	--	--	2 U	2 U	2 U
C-19	GP16	GP16-WG-20030320	3/20/2003	N	ChlorSolv-DrivePoint	2 U	2 U	2 U	--	--	--	--	--	2 U	--	--	--	2 U	2 U	2 U
C-19	GP17	GP17-WG-20030320	3/20/2003	N	ChlorSolv-DrivePoint	2 U	2 U	2 U	--	--	--	--	--	**130**	--	--	--	**3**	**1,300**	2 U
C-19	GP18	GP18-WG-20030320	3/20/2003	N	ChlorSolv-DrivePoint	2 U	2 U	**4**	--	--	--	--	--	**220**	--	--	--	**10**	**5,000**	**44**
C-19	GP19	GP19-WG-20030320	3/20/2003	N	ChlorSolv-DrivePoint	2 U	2 U	2 U	--	--	--	--	--	**3**	--	--	--	2 U	**24**	2 U
C-19	GP2	GP2-WG-20030320	3/20/2003	N	ChlorSolv-DrivePoint	2 U	2 U	2 U	--	--	--	--	--	2 U	--	--	--	2 U	2 U	2 U
C-19	GP20	GP20-WG-20030320	3/20/2003	N	ChlorSolv-DrivePoint	2 U	2 U	2 U	--	--	--	--	--	2 U	--	--	--	2 U	2 U	2 U
C-19	GP3	GP3-WG-20030320	3/20/2003	N	ChlorSolv-DrivePoint	2 U	2 U	2 U	--	--	--	--	--	**100**	--	--	--	**20**	**240**	2 U
C-19	GP4	GP4-WG-20030320	3/20/2003	N	ChlorSolv-DrivePoint	2 U	2 U	2 U	--	--	--	--	--	2 U	--	--	--	2 U	2 U	2 U
C-19	GP5	GP5-WG-20030320	3/20/2003	N	ChlorSolv-DrivePoint	2 U	2 U	2 U	--	--	--	--	--	2 U	--	--	--	2 U	2 U	2 U
C-19	GP6	GP6-WG-20030320	3/20/2003	N	ChlorSolv-DrivePoint	2 U	2 U	2 U	--	--	--	--	--	2 U	--	--	--	2 U	2 U	2 U
C-19	GP7	GP7-WG-20030321	3/21/2003	N	ChlorSolv-DrivePoint	2 U	2 U	2 U	--	--	--	--	--	2 U	--	--	--	2 U	2 U	2 U
C-19	GP8	GP8-WG-20030321	3/21/2003	N	ChlorSolv-DrivePoint	2 U	2 U	2 U	--	--	--	--	--	2 U	--	--	--	2 U	2 U	2 U
C-19	GP9	GP9-WG-20030321	3/21/2003	N	ChlorSolv-DrivePoint	2 U	2 U	2 U	--	--	--	--	--	2 U	--	--	--	2 U	2 U	2 U
C-19	RIGW-55	RIGW-55-190415	4/15/2019	N	ShallowInvest-PhaseI	2 U	2 U	2 U	0.02 U	2 U	10 U	25 U	0.5 U	**5.0**	10 U	2 U	2 U	2 U	**59**	0.02 U
C-19	RIGW-55	RIGW-55-20190905	9/5/2019	N	Investigation-PhaseII	2 U	2 U	2 U	0.02 U	2 U	10 U	25 U	0.5 U	**3.9**	10 U	2 U	2 U	2 U	**61**	0.02 U
C-19	RIGW-55	RIGW-55-240812	8/12/2024	N	TECT AO RI	2 U	2 U	2 U	0.02 U	2 U	10 U	25 U	0.5 U	2 U	10 U	2 U	2 U	2 U	**38**	**0.056**
C-19	RIGW-55	RIGW-55-240813	8/13/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19	RISB-01	RISB-01-GW	3/27/2019	N	ShallowInvest-PhaseI	2 U	2 U	2 U	0.02 U	2 U	10 U	25 U	0.5 U	2 U	10 U	2 U	2 U	2 U	**1.3**	0.02 U
C-19	RISB-03	RISB-03-GW	3/26/2019	N	ShallowInvest-PhaseI	2 U	2 U	2 U	0.02 U	2 U	10 U	25 U	0.5 U	**5.9**	10 U	2 U	2 U	2 U	**1.2**	**0.67**
C-19	RISB-05	RISB-05-GW	3/18/2019	N	ShallowInvest-PhaseI	2 U	2 U	2 U	0.02 U	--	10 U	25 U	0.5 U	2 U	10 U	2 U	2 U	2 U	0.5 U	0.02 U
C-19	RISB-06	RISB-06-GW	3/27/2019	N	ShallowInvest-PhaseI	2 U	2 U	2 U	0.02 U	2 U	10 U	25 U	0.5 U	**31**	10 U	2 U	2 U	2 U	**94**	**1.2**
C-19; Building C-20, C-21, C-22 Complex	RISB-07	RISB-07-GW	3/28/2019	N	ShallowInvest-PhaseI	2 U	2 U	2 U	0.02 U	2 U	10 U	25 U	0.5 U	**23**	10 U	2 U	2 U	2 U	**110**	**0.46**
C-19	RISB-08	RISB-08-GW	3/26/2019	N	ShallowInvest-PhaseI	2 U	2 U	2 U	0.02 U	2 U	10 U	25 U	0.5 U	2 U	10 U	2 U	2 U	2 U	0.5 U	0.02 U
C-19	RISB-09	RISB-09-GW	3/25/2019	N	ShallowInvest-PhaseI	2 U	2 U	2 U	0.02 U	2 U	10 U	25 U	**0.74**	2 U	10 U	2 U	2 U	2 U	**5.4**	0.02 U
C-19	RISB-10	RISB-10-GW	3/25/2019	N	ShallowInvest-PhaseI	2 U	2 U	2 U	0.02 U	2 U	10 U	25 U	0.5 U	2 U	10 U	2 U	2 U	2 U	0.5 U	0.02 U

Table 11
Building C-19 – Detected Constituents in Groundwater
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

					Analyte Group:	VOCs														
					Fraction:	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
					Analyte:	1,1,1-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	4-isopropyltoluene	4-Methyl-2-pentanone	Acetone	Benzene	cis-1,2-Dichloroethene	Methyl Ethyl Ketone	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride
					CAS RN:	71-55-6	75-34-3	75-35-4	107-06-2	25155-15-1	108-10-1	67-64-1	71-43-2	156-59-2	78-93-3	127-18-4	108-88-3	156-60-5	79-01-6	75-01-4
					Detected:	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
					pCUL:	200	7.7	7.0	0.48				1.6	15		5.0		73	2.3	0.10
					Units:	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**															
C-19	RISB-100	RISB-100-GW	5/29/2024	N	TECT AO RI	2 U	2 U	2 U	0.02 U	2 U	10 U	25 U	0.5 U	2 U	10 U	2 U	2 U	2 U	0.5 U	0.02 U
C-19	RISB-101	RISB-101-GW	5/29/2024	N	TECT AO RI	2 U	**8.6**	**11**	**0.055**	**5.4**	10 U	25 U	0.5 U	**120**	10 U	2 U	2 U	2 U	**150**	**22**
C-19	RISB-103	RISB-103-GW	5/31/2024	N	TECT AO RI	2 U	2 U	2 U	0.02 U	2 U	10 U	25 U	0.5 U	**21**	10 U	2 U	2 U	2 U	0.5 U	**4.8**
C-19	RISB-56	RISB-56-GW	9/3/2019	N	Investigation-PhaseII	2 U	2 U	**17**	0.02 U	2 U	10 U	25 U	0.5 U	**590**	10 U	2 U	2 U	**39**	**4,800**	**8.0**
C-19	RISB-57	RISB-57-GW	9/3/2019	N	Investigation-PhaseII	2 U	2 U	2 U	0.02 U	2 U	10 U	25 U	0.5 U	**5.8**	10 U	2 U	2 U	2 U	**1.9**	**0.15**
C-19	RISB-58	RISB-58-GW	9/3/2019	N	Investigation-PhaseII	**8.5**	**9.3**	**17**	0.02 U	2 U	10 U	25 U	**0.84**	**340**	10 U	2 U	2 U	**2.9**	**890**	**37**
C-19; Building C-20, C-21, C-22 Complex	RISB-69	RISB-69-GW-221201	12/1/2022	N	PhaseIII	2 U	2 U	2 U	0.02 U	2 U	10 U	25 U	0.5 U	**7.8**	10 U	2 U	2 U	2 U	**0.68**	**0.13**
C-19; Building C-20, C-21, C-22 Complex	RISB-70	RISB-70-GW-221130	11/30/2022	N	PhaseIII	2 U	2 U	2 U	0.02 U	2 U	10 U	25 U	0.5 U	2 U	10 U	2 U	2 U	2 U	0.5 U	**0.027**
C-19; Building C-20, C-21, C-22 Complex	RISB-71	RISB-71-GW-221201	12/1/2022	N	PhaseIII	2 U	2 U	2 U	0.02 U	2 U	10 U	25 U	0.5 U	**10**	10 U	2 U	2 U	2 U	**22**	**0.78**
C-19	SCPWD-2	SCPWD-2-WG-19990309	3/9/1999	N	Historical	--	--	**24**	--	--	--	--	--	**2,500**	--	4 U	--	**18**	**39,000**	**9**
C-19	SCPWD-2	SCPWD-2-WG-20031017	10/17/2003	N	ChlorSolv-MW	--	--	5 U	--	--	--	--	--	**540**	--	4 U	--	**4**	**4,300**	5 U
C-19	SCPWD-2	SCPWD-2-181108	11/8/2018	N	Baseline	2 U	2 U	2 U	0.02 U	--	10 U	25 U	0.5 U	**110**	10 U	2 U	2 U	2 U	**940**	**0.73**
C-19	SCPWD-2	SCPWD-2-20190905	9/5/2019	N	Investigation-PhaseII	2 U	2 U	2 U	0.02 U	2 U	10 U	25 U	0.5 U	**44**	10 U	2 U	2 U	2 U	**520**	**0.16**
C-19	SCPWD-2	SCPWD-2-20240814	8/14/2024	N	TECT AO RI	2 U	2 U	2 U	0.02 U	2 U	10 U	25 U	0.5 U	**48**	10 U	2 U	2 U	2 U	**550**	**0.034**
C-19	SCPWD-3	SCPWD-3-WG-19990309	3/9/1999	N	Historical	--	--	**110**	--	--	--	--	--	**4,200**	--	**12**	--	**18**	**140,000**	**68**
C-19	SCPWD-3	SCPWD-3-WG-20031017	10/17/2003	N	ChlorSolv-MW	--	--	**74**	--	--	--	--	--	**3,700**	--	4 U	--	**28**	**100,000**	**61**
C-19	SCPWD-3	SCPWD-3-181108	11/8/2018	N	Baseline	2 U	2 U	**33**	0.02 U	--	10 U	25 U	0.5 U	**840**	10 U	2 U	2 U	**54**	**14,000**	**9.1**
C-19	SCPWD-3	SCPWD-3-20190905	9/5/2019	N	Investigation-PhaseII	2 U	2 U	**34**	0.02 U	2 U	10 U	25 U	0.5 U	**1,000**	10 U	2 U	2 U	**53**	**18,000**	**11**
C-19	SCPWD-3	SCPWD-3-20240814	8/14/2024	N	TECT AO RI	2 U	2 U	**27**	0.02 U	2 U	10 U	25 U	**0.60**	**1,200**	10 U	2 U	**3.0**	**89**	**14,000**	**12**
C-19	SCPWD-4	SCPWD-4-WG-19990309	3/9/1999	N	Historical	--	--	5 U	--	--	--	--	--	**260**	--	4 U	--	**160**	**580**	**82**
C-19	SCPWD-4	SCPWD-4-WG-20030321	3/21/2003	N	ChlorSolv-MW	--	--	5 U	--	--	--	--	--	**15**	--	4 U	--	**6**	**8**	5 U
C-19	SCPWD-4	SCPWD-4-WG-20031017	10/17/2003	N	ChlorSolv-MW	--	--	5 U	--	--	--	--	--	**200**	--	4 U	--	**37**	**190**	5 U
C-19	SCPWD-4	SCPWD-4-181108	11/8/2018	N	Baseline	2 U	2 U	**3.1**	**0.14**	--	10 U	25 U	0.5 U	**60**	10 U	2 U	2 U	**20**	**670**	**8.1**
C-19	SCPWD-4	SCPWD-4-20190905	9/5/2019	N	Investigation-PhaseII	2 U	2 U	**2.1**	**0.031**	2 U	10 U	25 U	0.5 U	**54**	10 U	2 U	2 U	**7.6**	**990**	**1.4**
C-19	SCPWD-4	SCPWD-4-20240814	8/14/2024	N	TECT AO RI	2 U	2 U	2 U	0.02 U	2 U	10 U	25 U	**0.59**	**35**	10 U	2 U	**2.4**	**4.3**	**770**	**0.67**
C-19	SU2-NE-W	SU2-NE-W-WG-19950807	8/7/1995	N	DgrPitSump-BldgC19	ND	ND	ND	--	--	ND	ND	--	**670**	ND	ND	ND	ND	**53,000**	ND
C-19	SU-FL-W	SU-FL-W-WG-19950807	8/7/1995	N	DgrPitSump-BldgC19	**130**	**420**	**70**	--	--	ND	ND	--	**340**	ND	ND	ND	ND	**98,000**	ND
C-19	SW-1.0-W	SW-1.0-W-WG-19950807	8/7/1995	N	DgrPitSump-BldgC19	**160**	**320**	**88**	--	--	ND	ND	--	**360**	ND	ND	ND	ND	**39,000**	ND
C-19	RIGW-55	RIGW-55-241105	11/5/2024	N	TECT AO RI	2 U	2 U	2 U	0.02 U	2 U	10 U	25 U	0.5 U	2 U	10 U	2 U	2 U	2 U	**46**	0.02 U
C-19	SCPWD-2	SCPWD-2-241104	11/4/2024	N	TECT AO RI	2 U	2 U	2 U	0.02 U	2 U	10 U	25 U	0.5 U	**90**	10 U	2 U	2 U	2 U	**570**	**0.16**
C-19	SCPWD-3	SCPWD-3-241104	11/4/2024	N	TECT AO RI	2 U	2 U	**38**	0.02 U	2 U	10 U	25 U	0.5 U	**1,600**	10 U	2 U	2 U	**120**	**20,000**	**24**
C-19	SCPWD-4	SCPWD-4-241107	11/7/2024	N	TECT AO RI	2 U	2 U	**2.3**	0.02 U	2 U	10 U	25 U	0.5 U	**51**	10 U	2 U	2 U	**9.1**	**640**	**3.5**
C-19	RISB-201	RISB-201-GW-250125	1/28/2025	N	TECT AO RI	2 U	2 U	2 U	0.02 U	2 U	10 U	25 U	0.5 U	2 U	10 U	2 U	2 U	2 U	0.5 U	0.02 U

Table 11
Building C-19 – Detected Constituents in Groundwater
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Shading

Bold text indicates detected analyte**.**
Yellow shading = January 2025 2nd Phase AO RI Sampling Location
Blue shading = exceeds project SL
Orange shading = exceeds Method C SL
Generally speaking, Project SL<Method C SL, except for metals

Fraction

D = dissolved
T = total
N = normal (for non metals, fraction doesn't apply)

Qualifiers:

U = The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
UJ = The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+ = The result is an estimated quantity and the result may be biased high.
J- = The result is an estimated quantity and the result may be biased low.
R = The data are unusable. The sample results are rejected due to serious deficiencies in meeting quality control criteria. The analyte may or may not be present in the sample.
Z = See laboratory report for hydrocarbon identification

Abbreviations and Acronyms:

-- = not analyzed
AO = Agreed Order
CAS = Chemical Abstracts Service
ID = identification
µg/L = micrograms per liter
MTCA = Model Toxics Control Act
N = primary sample
ND = not detected
RI = remedial investigation
RN = registry number
SGC = silica-gel cleanup
SL = screening level
SVOC = semivolatile organic compound
TPH = total petroleum hydrocarbons
VOC = volatile organic compound

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Table 12
Building C-19 – Detected Constituents in Soil Gas
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

					Analyte:	1,1,1-Trichloroethane	1,1-Dichloroethane	Benzene	Tetrachloroethene	Trichloroethene	Vinyl Chloride
					CAS RN:	71-55-6	75-34-3	71-43-2	127-18-4	79-01-6	75-01-4
					Screening Level:		240	50	1,500	95	44
					Units:	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**						
C-19	RISG-04	RISG-04-190325	3/25/2019	N	ShallowInvest-Phase1	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
C-19	RISG-05	RISG-05-190325	3/25/2019	N	ShallowInvest-Phase1	**2.8**	2.2 U	2.2 U	2.2 U	2.2 U	2.2 U
C-19	RISG-54	RISG-54-190325	3/25/2019	N	ShallowInvest-Phase1	**33**	2.2 U	**2.5**	2.2 U	**310**	2.2 U
C-19	RISG-55	RISG-55-190325	3/25/2019	N	ShallowInvest-Phase1	**89**	**4.5**	2.2 U	2.2 U	**1,400**	2.2 U
C-19	RISG-103	RISG-103-211022	10/22/2021	N	C-19 IAA	**150**	**3.9**	**0.47 J**	**3.1**	**530**	<0.082 U

Notes:

Bold text indicates detected analyte**.**

Blue shading = exceeds project SL

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

J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

Abbreviations and Acronyms:

µg/m^3 = micrograms per cubic meter

ID = identification

CAS = Chemical Abstracts Service

N = primary sample

RN = registry number

SL = screening level

Table 13
Building C-20, C-21, C-22 – Detected Constituents in Soil
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

					Analyte Group:	Paine Soil Metals							
					Analyte:	Arsenic	Barium	Chromium, Total	Chromium, Trivalent	Lead	Mercury	Nickel	Zinc
					Detect:	Y		Y	Y	Y	Y		
					pCUL			2,000					
					Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**								
Building C-20, C-21, C-22 Complex	LAI-10	LAI-10 (1)_20170502	5/2/2017	N	PhaseII	--		--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	LAI-12	LAI-12 (3)_20170502	5/2/2017	N	PhaseII	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	LAI-17	LAI-17 (1.7)_20171005	10/5/2017	N	PhaseII	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	LAI-18	LAI-18 (1.8)_20171005	10/5/2017	N	PhaseII	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	LAI-19	LAI-19 (2.4)_20171005	10/5/2017	N	PhaseII	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	LAI-20	LAI-20 (1.2)_20171005	10/5/2017	N	PhaseII	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	LAI-21	LAI-21 (1.5)_20171005	10/5/2017	N	PhaseII	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	LAI-22	LAI-22 (1.5)_20171005	10/5/2017	N	PhaseII	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	LAI-24	LAI-24 (10.75)_20171009	10/9/2017	N	PhaseII	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	LAI-25	LAI-25 (15.0)_20171005	10/5/2017	N	PhaseII	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	LAI-26	LAI-26 (6.5)_20171005	10/5/2017	N	PhaseII	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	LAI-26	LAI-26 (9.5)_20171005	10/5/2017	N	PhaseII	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	LAI-27	LAI-27 (8)_20171006	10/6/2017	N	PhaseII	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RIGW-100	RIGW-100-S-12-13	6/4/2024	N	TECT AO RI	--	--	**24**	**24**	--	--	--	--
Building C-20, C-21, C-22 Complex	RIGW-100	RIGW-100-S-19-20	6/4/2024	N	TECT AO RI	--	--	**28**	**28**	--	--	--	--
Building C-20, C-21, C-22 Complex	RIGW-103	RIGW-103-S-39-40	6/5/2024	N	TECT AO RI	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RIGW-103	RIGW-103-S-26-27	6/5/2024	N	TECT AO RI	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RIGW-104	RIGW-104-S-31-32	6/4/2024	N	TECT AO RI	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RIGW-104	RIGW-104-S-39-40	6/4/2024	N	TECT AO RI	--	--	--	--	--	--	--	--
C-19; Building C-20, C-21, C-22 Complex	RISB-07	DUP-SOIL-190328	3/28/2019	FD	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
C-19; Building C-20, C-21, C-22 Complex	RISB-07	RISB-07-(14.5-15.5')	3/28/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
C-19; Building C-20, C-21, C-22 Complex	RISB-07	RISB-07-(29-30')	3/28/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-12	RISB-12-(19-20')	3/29/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-12	RISB-12-(10-10.5')	3/29/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-12	RISB-12-(24-25')	3/29/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-12	RISB-12-(41.5-42.5')	4/1/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-13	RISB-13-(10-11')	3/19/2019	N	ShallowInvest-PhaseI	**2.8**	--	**34**	--	**2.6**	**0.026**	--	--
Building C-20, C-21, C-22 Complex	RISB-13	RISB-13-(12.5-13')	3/20/2019	N	ShallowInvest-PhaseI	**2.2**	--	**43**	--	**1.9**	0.02 U	--	--
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-14	DUP-SOIL-190401	4/1/2019	FD	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-14	RISB-14-(9-10')	4/1/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-14	RISB-14-(19-20')	4/1/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-14	RISB-14-(44-45')	4/1/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-15	RISB-15-(34-35')	3/21/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-15	RISB-15-(17-18')	3/21/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-15	RISB-15-(9-10')	3/21/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-15	RISB-15-(13-14')	3/21/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-16	RISB-16-(4-5')	4/1/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-16	RISB-16-(19-20')	4/1/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-17	RISB-17-(34-35')	3/29/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-17	RISB-17-(18-19')	3/29/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-17	RISB-17-(44-45')	3/29/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-18	RISB-18-(2.5-3.5')	3/29/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-18	RISB-18-(9-10')	3/29/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-18	RISB-18-(19-20')	3/29/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--

Table 13
Building C-20, C-21, C-22 – Detected Constituents in Soil
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

					Analyte Group:	Paine Soil Metals							
					Analyte:	Arsenic	Barium	Chromium, Total	Chromium, Trivalent	Lead	Mercury	Nickel	Zinc
					Detect:	Y		Y	Y	Y	Y		
					pCUL			2,000					
					Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**								
Building C-20, C-21, C-22 Complex	RISB-19	RISB-19-(14-15')	3/29/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-19	RISB-19-(8.5-9.5')	3/29/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-19	RISB-19-(1.5-2')	3/29/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-20	RISB-20-(6.5-7.5')	3/27/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-21	RISB-21-(12.5-13.5')	3/28/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-21	RISB-21-(19-20')	3/28/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-22	RISB-22-(1-2')	3/28/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-22	RISB-22-(6.5-7.5')	3/28/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-22	RISB-22-(19-20')	3/28/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-23	RISB-23-(14-15')	3/28/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-23	RISB-23-(19-20')	3/28/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-24	RISB-24-(2-3')	3/20/2019	N	ShallowInvest-PhaseI	**3.2**	--	**28**	--	**2.2**	**0.026**	--	--
Building C-20, C-21, C-22 Complex	RISB-25	RISB-25-(2-3')	3/20/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-26	RISB-26-(2-3')	4/2/2019	N	ShallowInvest-PhaseI	**3.2**	--	**31**	--	**2.1**	**0.021**	--	--
Building C-20, C-21, C-22 Complex	RISB-26	RISB-26-(6-7')	4/2/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-26	RISB-26-(24-25')	4/2/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-27	RISB-27-(2-3')	4/2/2019	N	ShallowInvest-PhaseI	**3.2**	--	**39**	--	**3.8**	**0.027**	--	--
Building C-20, C-21, C-22 Complex	RISB-27	RISB-27-(44-45')	4/2/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-27	RISB-27-(39-40')	4/2/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-28	RISB-28-(11-12')	3/19/2019	N	ShallowInvest-PhaseI	**2.8**	--	**37**	--	**2.9**	**0.021**	--	--
Building C-20, C-21, C-22 Complex	RISB-28	RISB-28-(0.7-1.7')	3/19/2019	N	ShallowInvest-PhaseI	**2.7**	--	**32**	--	**3.5**	**0.021**	--	--
Building C-20, C-21, C-22 Complex	RISB-49	RISB-49-(6-7')	3/20/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-49	RISB-49-(24-25')	3/20/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-50	RISB-50-(24-25')	3/18/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-50	RISB-50-(13.5-14.5')	3/18/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-59	RISB-59-(19-20')	8/27/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-59	RISB-59-(12.5-13.5')	8/27/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-60	RISB-60-(6.5-7.5')	8/26/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-60	RISB-60-(24-25')	8/26/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--
C-19; Building C-20, C-21, C-22 Complex	RISB-69	RISB-69-(9-10')	12/1/2022	N	PhaseIII	--	--	--	--	--	--	--	--
C-19; Building C-20, C-21, C-22 Complex	RISB-69	RISB-69-(19-20')	12/1/2022	N	PhaseIII	--	--	--	--	--	--	--	--
C-19; Building C-20, C-21, C-22 Complex	RISB-69	RISB-69-(29-30')	12/1/2022	N	PhaseIII	--	--	--	--	--	--	--	--
C-19; Building C-20, C-21, C-22 Complex	RISB-70	RISB-70-(9-10')	11/30/2022	N	PhaseIII	--	--	--	--	--	--	--	--
C-19; Building C-20, C-21, C-22 Complex	RISB-70	RISB-70-(19-20')	11/30/2022	N	PhaseIII	--	--	--	--	--	--	--	--
C-19; Building C-20, C-21, C-22 Complex	RISB-70	RISB-70-(29-30')	11/30/2022	N	PhaseIII	--	--	--	--	--	--	--	--
C-19; Building C-20, C-21, C-22 Complex	RISB-71	DUP-SOIL-221201	12/1/2022	N	PhaseIII	--	--	--	--	--	--	--	--
C-19; Building C-20, C-21, C-22 Complex	RISB-71	RISB-71-(9-10')	12/1/2022	N	PhaseIII	--	--	--	--	--	--	--	--
C-19; Building C-20, C-21, C-22 Complex	RISB-71	RISB-71-(19-20')	12/1/2022	N	PhaseIII	--	--	--	--	--	--	--	--
C-19; Building C-20, C-21, C-22 Complex	RISB-71	RISB-71-(29-30')	12/2/2022	N	PhaseIII	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-105	RISB-105-S-9-10	5/24/2024	N	TECT AO RI	--	--	**21**	**21**	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-105	RISB-105-S-29-30	5/24/2024	N	TECT AO RI	--	--	**24**	**24**	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-106	RISB-106-S-24-25	5/24/2024	N	TECT AO RI	--	--	**26**	**26**	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-113	RISB-113-S-11-12	5/22/2024	N	TECT AO RI	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-113	RISB-113-S-21-22	5/22/2024	N	TECT AO RI	--	--	--	--	--	--	--	--

Table 13
Building C-20, C-21, C-22 – Detected Constituents in Soil
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

					Analyte Group:	Paine Soil Metals							
					Analyte:	Arsenic	Barium	Chromium, Total	Chromium, Trivalent	Lead	Mercury	Nickel	Zinc
					Detect:	Y		Y	Y	Y	Y		
					pCUL			2,000					
					Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**								
Building C-20, C-21, C-22 Complex	RISB-113	RISB-113-S-29-30	5/22/2024	N	TECT AO RI	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-114	RISB-114-S-6-7	5/20/2024	N	TECT AO RI	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-114	RISB-114-S-19-20	5/20/2024	N	TECT AO RI	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RISG-204	RISG-204-S-1.2-2.5	6/17/2024	N	TECT AO RI	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RISG-205	RISG-205-S-4-5	6/17/2024	N	TECT AO RI	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-202	RISB-202-11-12	1/28/2025	N	TECT AO RI	**3.3**	**39**	**25**	--	**1.9**	**0.022**	**54**	**29**
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-202	RISB-202-19-20	1/28/2025	N	TECT AO RI	**2.6**	**46**	**30**	--	**2.2**	0.02 U	**51**	**34**

Table 13
Building C-20, C-21, C-22 – Detected Constituents in Soil
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

					Analyte Group:	Paine Soil TPH		
					Analyte:	Petroleum Hydrocarbons GRO C5-C12	Petroleum Hydrocarbons DRO C12-C24	Petroleum Hydrocarbons ORO C24-C40
					Detect:	Y	Y	Y
					pCUL	100	2,000	2,000
					Units:	mg/kg	mg/kg	mg/kg
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**			
Building C-20, C-21, C-22 Complex	LAI-10	LAI-10 (1)_20170502	5/2/2017	N	PhaseII	--	120 U	**4,200**
Building C-20, C-21, C-22 Complex	LAI-12	LAI-12 (3)_20170502	5/2/2017	N	PhaseII	--	25 U	50 U
Building C-20, C-21, C-22 Complex	LAI-17	LAI-17 (1.7)_20171005	10/5/2017	N	PhaseII	--	25 U	50 U
Building C-20, C-21, C-22 Complex	LAI-18	LAI-18 (1.8)_20171005	10/5/2017	N	PhaseII	--	25 U	50 U
Building C-20, C-21, C-22 Complex	LAI-19	LAI-19 (2.4)_20171005	10/5/2017	N	PhaseII	--	**47**	50 U
Building C-20, C-21, C-22 Complex	LAI-20	LAI-20 (1.2)_20171005	10/5/2017	N	PhaseII	--	25 U	50 U
Building C-20, C-21, C-22 Complex	LAI-21	LAI-21 (1.5)_20171005	10/5/2017	N	PhaseII	--	25 U	**52**
Building C-20, C-21, C-22 Complex	LAI-22	LAI-22 (1.5)_20171005	10/5/2017	N	PhaseII	--	25 U	50 U
Building C-20, C-21, C-22 Complex	LAI-24	LAI-24 (10.75)_20171009	10/9/2017	N	PhaseII	--	25 U	**320**
Building C-20, C-21, C-22 Complex	LAI-25	LAI-25 (15.0)_20171005	10/5/2017	N	PhaseII	--	25 U	50 U
Building C-20, C-21, C-22 Complex	LAI-26	LAI-26 (6.5)_20171005	10/5/2017	N	PhaseII	--	25 U	**80**
Building C-20, C-21, C-22 Complex	LAI-26	LAI-26 (9.5)_20171005	10/5/2017	N	PhaseII	--	--	--
Building C-20, C-21, C-22 Complex	LAI-27	LAI-27 (8)_20171006	10/6/2017	N	PhaseII	--	25 U	50 U
Building C-20, C-21, C-22 Complex	RIGW-100	RIGW-100-S-12-13	6/4/2024	N	TECT AO RI	--	--	--
Building C-20, C-21, C-22 Complex	RIGW-100	RIGW-100-S-19-20	6/4/2024	N	TECT AO RI	--	--	--
Building C-20, C-21, C-22 Complex	RIGW-103	RIGW-103-S-39-40	6/5/2024	N	TECT AO RI	3 U	--	--
Building C-20, C-21, C-22 Complex	RIGW-103	RIGW-103-S-26-27	6/5/2024	N	TECT AO RI	3 U	--	--
Building C-20, C-21, C-22 Complex	RIGW-104	RIGW-104-S-31-32	6/4/2024	N	TECT AO RI	--	--	--
Building C-20, C-21, C-22 Complex	RIGW-104	RIGW-104-S-39-40	6/4/2024	N	TECT AO RI	--	--	--
C-19; Building C-20, C-21, C-22 Complex	RISB-07	DUP-SOIL-190328	3/28/2019	FD	ShallowInvest-PhaseI	--	25 U	50 U
C-19; Building C-20, C-21, C-22 Complex	RISB-07	RISB-07-(14.5-15.5')	3/28/2019	N	ShallowInvest-PhaseI	--	25 U	50 U
C-19; Building C-20, C-21, C-22 Complex	RISB-07	RISB-07-(29-30')	3/28/2019	N	ShallowInvest-PhaseI	--	--	--
Building C-20, C-21, C-22 Complex	RISB-12	RISB-12-(19-20')	3/29/2019	N	ShallowInvest-PhaseI	--	--	--
Building C-20, C-21, C-22 Complex	RISB-12	RISB-12-(10-10.5')	3/29/2019	N	ShallowInvest-PhaseI	--	25 U	50 U
Building C-20, C-21, C-22 Complex	RISB-12	RISB-12-(24-25')	3/29/2019	N	ShallowInvest-PhaseI	--	--	--
Building C-20, C-21, C-22 Complex	RISB-12	RISB-12-(41.5-42.5')	4/1/2019	N	ShallowInvest-PhaseI	--	--	--
Building C-20, C-21, C-22 Complex	RISB-13	RISB-13-(10-11')	3/19/2019	N	ShallowInvest-PhaseI	--	25 U	50 U
Building C-20, C-21, C-22 Complex	RISB-13	RISB-13-(12.5-13')	3/20/2019	N	ShallowInvest-PhaseI	--	25 U	50 U
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-14	DUP-SOIL-190401	4/1/2019	FD	ShallowInvest-PhaseI	--	--	--
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-14	RISB-14-(9-10')	4/1/2019	N	ShallowInvest-PhaseI	--	--	--
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-14	RISB-14-(19-20')	4/1/2019	N	ShallowInvest-PhaseI	--	--	--
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-14	RISB-14-(44-45')	4/1/2019	N	ShallowInvest-PhaseI	--	--	--
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-15	RISB-15-(34-35')	3/21/2019	N	ShallowInvest-PhaseI	--	--	--
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-15	RISB-15-(17-18')	3/21/2019	N	ShallowInvest-PhaseI	--	--	--
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-15	RISB-15-(9-10')	3/21/2019	N	ShallowInvest-PhaseI	--	--	--
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-15	RISB-15-(13-14')	3/21/2019	N	ShallowInvest-PhaseI	--	25 U	50 U
Building C-20, C-21, C-22 Complex	RISB-16	RISB-16-(4-5')	4/1/2019	N	ShallowInvest-PhaseI	--	--	--
Building C-20, C-21, C-22 Complex	RISB-16	RISB-16-(19-20')	4/1/2019	N	ShallowInvest-PhaseI	--	--	--
Building C-20, C-21, C-22 Complex	RISB-17	RISB-17-(34-35')	3/29/2019	N	ShallowInvest-PhaseI	--	--	--
Building C-20, C-21, C-22 Complex	RISB-17	RISB-17-(18-19')	3/29/2019	N	ShallowInvest-PhaseI	--	--	--
Building C-20, C-21, C-22 Complex	RISB-17	RISB-17-(44-45')	3/29/2019	N	ShallowInvest-PhaseI	--	--	--
Building C-20, C-21, C-22 Complex	RISB-18	RISB-18-(2.5-3.5')	3/29/2019	N	ShallowInvest-PhaseI	--	--	--
Building C-20, C-21, C-22 Complex	RISB-18	RISB-18-(9-10')	3/29/2019	N	ShallowInvest-PhaseI	--	--	--
Building C-20, C-21, C-22 Complex	RISB-18	RISB-18-(19-20')	3/29/2019	N	ShallowInvest-PhaseI	--	--	--

Table 13
Building C-20, C-21, C-22 – Detected Constituents in Soil
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

					Analyte Group:	Paine Soil TPH		
					Analyte:	Petroleum Hydrocarbons GRO C5-C12	Petroleum Hydrocarbons DRO C12-C24	Petroleum Hydrocarbons ORO C24-C40
					Detect:	Y	Y	Y
					pCUL	100	2,000	2,000
					Units:	mg/kg	mg/kg	mg/kg
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**			
Building C-20, C-21, C-22 Complex	RISB-19	RISB-19-(14-15')	3/29/2019	N	ShallowInvest-PhaseI	--	--	--
Building C-20, C-21, C-22 Complex	RISB-19	RISB-19-(8.5-9.5')	3/29/2019	N	ShallowInvest-PhaseI	--	--	--
Building C-20, C-21, C-22 Complex	RISB-19	RISB-19-(1.5-2')	3/29/2019	N	ShallowInvest-PhaseI	--	--	--
Building C-20, C-21, C-22 Complex	RISB-20	RISB-20-(6.5-7.5')	3/27/2019	N	ShallowInvest-PhaseI	--	--	--
Building C-20, C-21, C-22 Complex	RISB-21	RISB-21-(12.5-13.5')	3/28/2019	N	ShallowInvest-PhaseI	--	--	--
Building C-20, C-21, C-22 Complex	RISB-21	RISB-21-(19-20')	3/28/2019	N	ShallowInvest-PhaseI	--	--	--
Building C-20, C-21, C-22 Complex	RISB-22	RISB-22-(1-2')	3/28/2019	N	ShallowInvest-PhaseI	--	**1,400**	**1,900**
Building C-20, C-21, C-22 Complex	RISB-22	RISB-22-(6.5-7.5')	3/28/2019	N	ShallowInvest-PhaseI	--	25 U	50 U
Building C-20, C-21, C-22 Complex	RISB-22	RISB-22-(19-20')	3/28/2019	N	ShallowInvest-PhaseI	--	--	--
Building C-20, C-21, C-22 Complex	RISB-23	RISB-23-(14-15')	3/28/2019	N	ShallowInvest-PhaseI	--	--	--
Building C-20, C-21, C-22 Complex	RISB-23	RISB-23-(19-20')	3/28/2019	N	ShallowInvest-PhaseI	--	--	--
Building C-20, C-21, C-22 Complex	RISB-24	RISB-24-(2-3')	3/20/2019	N	ShallowInvest-PhaseI	--	25 U	50 U
Building C-20, C-21, C-22 Complex	RISB-25	RISB-25-(2-3')	3/20/2019	N	ShallowInvest-PhaseI	--	25 U	50 U
Building C-20, C-21, C-22 Complex	RISB-26	RISB-26-(2-3')	4/2/2019	N	ShallowInvest-PhaseI	--	25 U	50 U
Building C-20, C-21, C-22 Complex	RISB-26	RISB-26-(6-7')	4/2/2019	N	ShallowInvest-PhaseI	--	--	--
Building C-20, C-21, C-22 Complex	RISB-26	RISB-26-(24-25')	4/2/2019	N	ShallowInvest-PhaseI	--	--	--
Building C-20, C-21, C-22 Complex	RISB-27	RISB-27-(2-3')	4/2/2019	N	ShallowInvest-PhaseI	--	25 U	**100**
Building C-20, C-21, C-22 Complex	RISB-27	RISB-27-(44-45')	4/2/2019	N	ShallowInvest-PhaseI	--	--	--
Building C-20, C-21, C-22 Complex	RISB-27	RISB-27-(39-40')	4/2/2019	N	ShallowInvest-PhaseI	--	--	--
Building C-20, C-21, C-22 Complex	RISB-28	RISB-28-(11-12')	3/19/2019	N	ShallowInvest-PhaseI	3 U	25 U	50 U
Building C-20, C-21, C-22 Complex	RISB-28	RISB-28-(0.7-1.7')	3/19/2019	N	ShallowInvest-PhaseI	**4.2**	250 U	**7,300**
Building C-20, C-21, C-22 Complex	RISB-49	RISB-49-(6-7')	3/20/2019	N	ShallowInvest-PhaseI	--	25 U	50 U
Building C-20, C-21, C-22 Complex	RISB-49	RISB-49-(24-25')	3/20/2019	N	ShallowInvest-PhaseI	--	25 U	50 U
Building C-20, C-21, C-22 Complex	RISB-50	RISB-50-(24-25')	3/18/2019	N	ShallowInvest-PhaseI	--	25 U	50 U
Building C-20, C-21, C-22 Complex	RISB-50	RISB-50-(13.5-14.5')	3/18/2019	N	ShallowInvest-PhaseI	--	25 U	50 U
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-59	RISB-59-(19-20')	8/27/2019	N	Investigation-PhaseII	3 U	25 U	50 U
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-59	RISB-59-(12.5-13.5')	8/27/2019	N	Investigation-PhaseII	3 U	25 U	50 U
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-60	RISB-60-(6.5-7.5')	8/26/2019	N	Investigation-PhaseII	3 U	25 U	50 U
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-60	RISB-60-(24-25')	8/26/2019	N	Investigation-PhaseII	--	--	--
C-19; Building C-20, C-21, C-22 Complex	RISB-69	RISB-69-(9-10')	12/1/2022	N	PhaseIII	--	--	--
C-19; Building C-20, C-21, C-22 Complex	RISB-69	RISB-69-(19-20')	12/1/2022	N	PhaseIII	--	--	--
C-19; Building C-20, C-21, C-22 Complex	RISB-69	RISB-69-(29-30')	12/1/2022	N	PhaseIII	--	--	--
C-19; Building C-20, C-21, C-22 Complex	RISB-70	RISB-70-(9-10')	11/30/2022	N	PhaseIII	--	--	--
C-19; Building C-20, C-21, C-22 Complex	RISB-70	RISB-70-(19-20')	11/30/2022	N	PhaseIII	--	--	--
C-19; Building C-20, C-21, C-22 Complex	RISB-70	RISB-70-(29-30')	11/30/2022	N	PhaseIII	--	--	--
C-19; Building C-20, C-21, C-22 Complex	RISB-71	DUP-SOIL-221201	12/1/2022	N	PhaseIII	--	--	--
C-19; Building C-20, C-21, C-22 Complex	RISB-71	RISB-71-(9-10')	12/1/2022	N	PhaseIII	--	--	--
C-19; Building C-20, C-21, C-22 Complex	RISB-71	RISB-71-(19-20')	12/1/2022	N	PhaseIII	--	--	--
C-19; Building C-20, C-21, C-22 Complex	RISB-71	RISB-71-(29-30')	12/2/2022	N	PhaseIII	--	--	--
Building C-20, C-21, C-22 Complex	RISB-105	RISB-105-S-9-10	5/24/2024	N	TECT AO RI	--	--	--
Building C-20, C-21, C-22 Complex	RISB-105	RISB-105-S-29-30	5/24/2024	N	TECT AO RI	--	--	--
Building C-20, C-21, C-22 Complex	RISB-106	RISB-106-S-24-25	5/24/2024	N	TECT AO RI	--	--	--
Building C-20, C-21, C-22 Complex	RISB-113	RISB-113-S-11-12	5/22/2024	N	TECT AO RI	3 U	--	--
Building C-20, C-21, C-22 Complex	RISB-113	RISB-113-S-21-22	5/22/2024	N	TECT AO RI	3 U	--	--

Table 13
Building C-20, C-21, C-22 – Detected Constituents in Soil
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TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

					Analyte Group:	Paine Soil TPH		
					Analyte:	Petroleum Hydrocarbons GRO C5-C12	Petroleum Hydrocarbons DRO C12-C24	Petroleum Hydrocarbons ORO C24-C40
					Detect:	Y	Y	Y
					pCUL	100	2,000	2,000
					Units:	mg/kg	mg/kg	mg/kg
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**			
Building C-20, C-21, C-22 Complex	RISB-113	RISB-113-S-29-30	5/22/2024	N	TECT AO RI	3 U	--	--
Building C-20, C-21, C-22 Complex	RISB-114	RISB-114-S-6-7	5/20/2024	N	TECT AO RI	3 U	--	--
Building C-20, C-21, C-22 Complex	RISB-114	RISB-114-S-19-20	5/20/2024	N	TECT AO RI	3 U	--	--
Building C-20, C-21, C-22 Complex	RISG-204	RISG-204-S-1.2-2.5	6/17/2024	N	TECT AO RI	3 U	25 U	50 U
Building C-20, C-21, C-22 Complex	RISG-205	RISG-205-S-4-5	6/17/2024	N	TECT AO RI	3 U	25 U	50 U
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-202	RISB-202-11-12	1/28/2025	N	TECT AO RI	3 U	--	--
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-202	RISB-202-19-20	1/28/2025	N	TECT AO RI	3 U	--	--

Table 13
Building C-20, C-21, C-22 – Detected Constituents in Soil
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

					Analyte Group:	Paine Soil TPH with SGC		Paine Soil VOCs	
					Analyte:	Petroleum Hydrocarbons DRO C12-C24	Petroleum Hydrocarbons ORO C24-C40	Carbon Disulfide	cis-1,2-Dichloroethene
					Detect:	Y	Y	Y	Y
					pCUL	2,000	2,000		79
					Units:	mg/kg	mg/kg	µg/kg	µg/kg
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**				
Building C-20, C-21, C-22 Complex	LAI-10	LAI-10 (1)_20170502	5/2/2017	N	PhaseII	--	--	--	--
Building C-20, C-21, C-22 Complex	LAI-12	LAI-12 (3)_20170502	5/2/2017	N	PhaseII	--	--	--	--
Building C-20, C-21, C-22 Complex	LAI-17	LAI-17 (1.7)_20171005	10/5/2017	N	PhaseII	--	--	10 U	10 U
Building C-20, C-21, C-22 Complex	LAI-18	LAI-18 (1.8)_20171005	10/5/2017	N	PhaseII	--	--	10 U	10 U
Building C-20, C-21, C-22 Complex	LAI-19	LAI-19 (2.4)_20171005	10/5/2017	N	PhaseII	--	--	10 U	10 U
Building C-20, C-21, C-22 Complex	LAI-20	LAI-20 (1.2)_20171005	10/5/2017	N	PhaseII	--	--	10 U	10 U
Building C-20, C-21, C-22 Complex	LAI-21	LAI-21 (1.5)_20171005	10/5/2017	N	PhaseII	--	--	10 U	10 U
Building C-20, C-21, C-22 Complex	LAI-22	LAI-22 (1.5)_20171005	10/5/2017	N	PhaseII	--	--	10 U	10 U
Building C-20, C-21, C-22 Complex	LAI-24	LAI-24 (10.75)_20171009	10/9/2017	N	PhaseII	--	--	10 U	10 U
Building C-20, C-21, C-22 Complex	LAI-25	LAI-25 (15.0)_20171005	10/5/2017	N	PhaseII	--	--	10 U	**320**
Building C-20, C-21, C-22 Complex	LAI-26	LAI-26 (6.5)_20171005	10/5/2017	N	PhaseII	--	--	10 U	10 U
Building C-20, C-21, C-22 Complex	LAI-26	LAI-26 (9.5)_20171005	10/5/2017	N	PhaseII	--	--	10 U	**21**
Building C-20, C-21, C-22 Complex	LAI-27	LAI-27 (8)_20171006	10/6/2017	N	PhaseII	--	--	10 U	**19**
Building C-20, C-21, C-22 Complex	RIGW-100	RIGW-100-S-12-13	6/4/2024	N	TECT AO RI	--	--	--	--
Building C-20, C-21, C-22 Complex	RIGW-100	RIGW-100-S-19-20	6/4/2024	N	TECT AO RI	--	--	--	--
Building C-20, C-21, C-22 Complex	RIGW-103	RIGW-103-S-39-40	6/5/2024	N	TECT AO RI	25 U	50 U	10 U	1.5 U
Building C-20, C-21, C-22 Complex	RIGW-103	RIGW-103-S-26-27	6/5/2024	N	TECT AO RI	25 U	50 U	10 U	1.5 U
Building C-20, C-21, C-22 Complex	RIGW-104	RIGW-104-S-31-32	6/4/2024	N	TECT AO RI	25 UJ	50 UJ	10 UJ	1.5 UJ
Building C-20, C-21, C-22 Complex	RIGW-104	RIGW-104-S-39-40	6/4/2024	N	TECT AO RI	25 UJ	50 UJ	10 UJ	1.5 UJ
C-19; Building C-20, C-21, C-22 Complex	RISB-07	DUP-SOIL-190328	3/28/2019	FD	ShallowInvest-PhaseI	--	--	10 U	1.5 U
C-19; Building C-20, C-21, C-22 Complex	RISB-07	RISB-07-(14.5-15.5')	3/28/2019	N	ShallowInvest-PhaseI	--	--	10 U	1.5 U
C-19; Building C-20, C-21, C-22 Complex	RISB-07	RISB-07-(29-30')	3/28/2019	N	ShallowInvest-PhaseI	--	--	10 U	1.5 U
Building C-20, C-21, C-22 Complex	RISB-12	RISB-12-(19-20')	3/29/2019	N	ShallowInvest-PhaseI	--	--	10 U	1.5 U
Building C-20, C-21, C-22 Complex	RISB-12	RISB-12-(10-10.5')	3/29/2019	N	ShallowInvest-PhaseI	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-12	RISB-12-(24-25')	3/29/2019	N	ShallowInvest-PhaseI	--	--	10 U	1.5 U
Building C-20, C-21, C-22 Complex	RISB-12	RISB-12-(41.5-42.5')	4/1/2019	N	ShallowInvest-PhaseI	--	--	10 U	1.5 U
Building C-20, C-21, C-22 Complex	RISB-13	RISB-13-(10-11')	3/19/2019	N	ShallowInvest-PhaseI	--	--	10 U	**700**
Building C-20, C-21, C-22 Complex	RISB-13	RISB-13-(12.5-13')	3/20/2019	N	ShallowInvest-PhaseI	--	--	**16**	**420**
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-14	DUP-SOIL-190401	4/1/2019	FD	ShallowInvest-PhaseI	--	--	10 U	1.5 U
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-14	RISB-14-(9-10')	4/1/2019	N	ShallowInvest-PhaseI	--	--	10 U	1.5 U
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-14	RISB-14-(19-20')	4/1/2019	N	ShallowInvest-PhaseI	--	--	10 U	1.5 U
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-14	RISB-14-(44-45')	4/1/2019	N	ShallowInvest-PhaseI	--	--	10 U	1.5 U
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-15	RISB-15-(34-35')	3/21/2019	N	ShallowInvest-PhaseI	--	--	10 U	1.5 U
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-15	RISB-15-(17-18')	3/21/2019	N	ShallowInvest-PhaseI	--	--	10 U	**3.3**
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-15	RISB-15-(9-10')	3/21/2019	N	ShallowInvest-PhaseI	--	--	10 U	**2.7**
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-15	RISB-15-(13-14')	3/21/2019	N	ShallowInvest-PhaseI	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-16	RISB-16-(4-5')	4/1/2019	N	ShallowInvest-PhaseI	--	--	10 U	1.5 U
Building C-20, C-21, C-22 Complex	RISB-16	RISB-16-(19-20')	4/1/2019	N	ShallowInvest-PhaseI	--	--	10 U	1.5 U
Building C-20, C-21, C-22 Complex	RISB-17	RISB-17-(34-35')	3/29/2019	N	ShallowInvest-PhaseI	--	--	10 U	1.5 U
Building C-20, C-21, C-22 Complex	RISB-17	RISB-17-(18-19')	3/29/2019	N	ShallowInvest-PhaseI	--	--	10 U	1.5 U
Building C-20, C-21, C-22 Complex	RISB-17	RISB-17-(44-45')	3/29/2019	N	ShallowInvest-PhaseI	--	--	10 U	1.5 U
Building C-20, C-21, C-22 Complex	RISB-18	RISB-18-(2.5-3.5')	3/29/2019	N	ShallowInvest-PhaseI	--	--	10 U	1.5 U
Building C-20, C-21, C-22 Complex	RISB-18	RISB-18-(9-10')	3/29/2019	N	ShallowInvest-PhaseI	--	--	10 U	1.5 U
Building C-20, C-21, C-22 Complex	RISB-18	RISB-18-(19-20')	3/29/2019	N	ShallowInvest-PhaseI	--	--	10 U	1.5 U

Table 13
Building C-20, C-21, C-22 – Detected Constituents in Soil
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

					Analyte Group:	Paine Soil TPH with SGC		Paine Soil VOCs	
					Analyte:	Petroleum Hydrocarbons DRO C12-C24	Petroleum Hydrocarbons ORO C24-C40	Carbon Disulfide	cis-1,2-Dichloroethene
					Detect:	Y	Y	Y	Y
					pCUL	2,000	2,000		79
					Units:	mg/kg	mg/kg	µg/kg	µg/kg
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**				
Building C-20, C-21, C-22 Complex	RISB-19	RISB-19-(14-15')	3/29/2019	N	ShallowInvest-PhaseI	--	--	10 U	1.5 U
Building C-20, C-21, C-22 Complex	RISB-19	RISB-19-(8.5-9.5')	3/29/2019	N	ShallowInvest-PhaseI	--	--	10 U	**2.9**
Building C-20, C-21, C-22 Complex	RISB-19	RISB-19-(1.5-2')	3/29/2019	N	ShallowInvest-PhaseI	--	--	88 U	**660**
Building C-20, C-21, C-22 Complex	RISB-20	RISB-20-(6.5-7.5')	3/27/2019	N	ShallowInvest-PhaseI	--	--	10 U	1.5 U
Building C-20, C-21, C-22 Complex	RISB-21	RISB-21-(12.5-13.5')	3/28/2019	N	ShallowInvest-PhaseI	--	--	10 U	**630**
Building C-20, C-21, C-22 Complex	RISB-21	RISB-21-(19-20')	3/28/2019	N	ShallowInvest-PhaseI	--	--	10 U	**560**
Building C-20, C-21, C-22 Complex	RISB-22	RISB-22-(1-2')	3/28/2019	N	ShallowInvest-PhaseI	**--**	**--**	--	--
Building C-20, C-21, C-22 Complex	RISB-22	RISB-22-(6.5-7.5')	3/28/2019	N	ShallowInvest-PhaseI	--	--	10 U	**9.1**
Building C-20, C-21, C-22 Complex	RISB-22	RISB-22-(19-20')	3/28/2019	N	ShallowInvest-PhaseI	--	--	10 U	1.5 U
Building C-20, C-21, C-22 Complex	RISB-23	RISB-23-(14-15')	3/28/2019	N	ShallowInvest-PhaseI	--	--	10 U	**4.8**
Building C-20, C-21, C-22 Complex	RISB-23	RISB-23-(19-20')	3/28/2019	N	ShallowInvest-PhaseI	--	--	10 U	1.5 U
Building C-20, C-21, C-22 Complex	RISB-24	RISB-24-(2-3')	3/20/2019	N	ShallowInvest-PhaseI	--	--	10 U	**1.5**
Building C-20, C-21, C-22 Complex	RISB-25	RISB-25-(2-3')	3/20/2019	N	ShallowInvest-PhaseI	--	--	10 U	1.5 U
Building C-20, C-21, C-22 Complex	RISB-26	RISB-26-(2-3')	4/2/2019	N	ShallowInvest-PhaseI	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-26	RISB-26-(6-7')	4/2/2019	N	ShallowInvest-PhaseI	--	--	10 U	1.5 U
Building C-20, C-21, C-22 Complex	RISB-26	RISB-26-(24-25')	4/2/2019	N	ShallowInvest-PhaseI	--	--	10 U	1.5 U
Building C-20, C-21, C-22 Complex	RISB-27	RISB-27-(2-3')	4/2/2019	N	ShallowInvest-PhaseI	--	**--**	--	--
Building C-20, C-21, C-22 Complex	RISB-27	RISB-27-(44-45')	4/2/2019	N	ShallowInvest-PhaseI	--	--	10 U	1.5 U
Building C-20, C-21, C-22 Complex	RISB-27	RISB-27-(39-40')	4/2/2019	N	ShallowInvest-PhaseI	--	--	10 U	1.5 U
Building C-20, C-21, C-22 Complex	RISB-28	RISB-28-(11-12')	3/19/2019	N	ShallowInvest-PhaseI	--	--	10 U	**23**
Building C-20, C-21, C-22 Complex	RISB-28	RISB-28-(0.7-1.7')	3/19/2019	N	ShallowInvest-PhaseI	--	**--**	10 U	1.5 U
Building C-20, C-21, C-22 Complex	RISB-49	RISB-49-(6-7')	3/20/2019	N	ShallowInvest-PhaseI	--	--	10 U	**2.6**
Building C-20, C-21, C-22 Complex	RISB-49	RISB-49-(24-25')	3/20/2019	N	ShallowInvest-PhaseI	--	--	10 U	1.5 U
Building C-20, C-21, C-22 Complex	RISB-50	RISB-50-(24-25')	3/18/2019	N	ShallowInvest-PhaseI	--	--	10 U	1.5 U
Building C-20, C-21, C-22 Complex	RISB-50	RISB-50-(13.5-14.5')	3/18/2019	N	ShallowInvest-PhaseI	--	--	10 U	**370**
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-59	RISB-59-(19-20')	8/27/2019	N	Investigation-PhaseII	--	--	10 U	1.5 U
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-59	RISB-59-(12.5-13.5')	8/27/2019	N	Investigation-PhaseII	--	--	10 U	1.5 U
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-60	RISB-60-(6.5-7.5')	8/26/2019	N	Investigation-PhaseII	--	--	10 U	1.5 U
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-60	RISB-60-(24-25')	8/26/2019	N	Investigation-PhaseII	--	--	10 U	1.5 U
C-19; Building C-20, C-21, C-22 Complex	RISB-69	RISB-69-(9-10')	12/1/2022	N	PhaseIII	--	--	10 U	1.5 U
C-19; Building C-20, C-21, C-22 Complex	RISB-69	RISB-69-(19-20')	12/1/2022	N	PhaseIII	--	--	10 U	1.5 U
C-19; Building C-20, C-21, C-22 Complex	RISB-69	RISB-69-(29-30')	12/1/2022	N	PhaseIII	--	--	10 U	1.5 U
C-19; Building C-20, C-21, C-22 Complex	RISB-70	RISB-70-(9-10')	11/30/2022	N	PhaseIII	--	--	10 U	1.5 U
C-19; Building C-20, C-21, C-22 Complex	RISB-70	RISB-70-(19-20')	11/30/2022	N	PhaseIII	--	--	10 U	1.5 U
C-19; Building C-20, C-21, C-22 Complex	RISB-70	RISB-70-(29-30')	11/30/2022	N	PhaseIII	--	--	10 U	1.5 U
C-19; Building C-20, C-21, C-22 Complex	RISB-71	DUP-SOIL-221201	12/1/2022	N	PhaseIII	--	--	10 U	1.5 U
C-19; Building C-20, C-21, C-22 Complex	RISB-71	RISB-71-(9-10')	12/1/2022	N	PhaseIII	--	--	10 U	1.5 U
C-19; Building C-20, C-21, C-22 Complex	RISB-71	RISB-71-(19-20')	12/1/2022	N	PhaseIII	--	--	10 U	1.5 U
C-19; Building C-20, C-21, C-22 Complex	RISB-71	RISB-71-(29-30')	12/2/2022	N	PhaseIII	--	--	10 U	1.5 U
Building C-20, C-21, C-22 Complex	RISB-105	RISB-105-S-9-10	5/24/2024	N	TECT AO RI	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-105	RISB-105-S-29-30	5/24/2024	N	TECT AO RI	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-106	RISB-106-S-24-25	5/24/2024	N	TECT AO RI	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-113	RISB-113-S-11-12	5/22/2024	N	TECT AO RI	25 U	50 U	--	--
Building C-20, C-21, C-22 Complex	RISB-113	RISB-113-S-21-22	5/22/2024	N	TECT AO RI	25 U	50 U	--	--

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TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

					Analyte Group:	Paine Soil TPH with SGC		Paine Soil VOCs	
					Analyte:	Petroleum Hydrocarbons DRO C12-C24	Petroleum Hydrocarbons ORO C24-C40	Carbon Disulfide	cis-1,2-Dichloroethene
					Detect:	Y	Y	Y	Y
					pCUL	2,000	2,000		79
					Units:	mg/kg	mg/kg	µg/kg	µg/kg
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**				
Building C-20, C-21, C-22 Complex	RISB-113	RISB-113-S-29-30	5/22/2024	N	TECT AO RI	25 U	50 U	--	--
Building C-20, C-21, C-22 Complex	RISB-114	RISB-114-S-6-7	5/20/2024	N	TECT AO RI	25 U	50 U	10 U	1.5 U
Building C-20, C-21, C-22 Complex	RISB-114	RISB-114-S-19-20	5/20/2024	N	TECT AO RI	25 U	50 U	10 U	**2.4**
Building C-20, C-21, C-22 Complex	RISG-204	RISG-204-S-1.2-2.5	6/17/2024	N	TECT AO RI	--	--	--	--
Building C-20, C-21, C-22 Complex	RISG-205	RISG-205-S-4-5	6/17/2024	N	TECT AO RI	--	--	--	--
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-202	RISB-202-11-12	1/28/2025	N	TECT AO RI	25 U	50 U	10 U	1.5 U
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-202	RISB-202-19-20	1/28/2025	N	TECT AO RI	25 U	50 U	10 U	1.5 U

Table 13
Building C-20, C-21, C-22 – Detected Constituents in Soil
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

					Analyte Group:	Paine Soil VOCs			
					Analyte:	Methylene Chloride	Tetrachloroethene	Trichloroethene	Vinyl Chloride
					Detect:	Y	Y	Y	Y
					pCUL		50	25	1.7
					Units:	µg/kg	µg/kg	µg/kg	µg/kg
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**				
Building C-20, C-21, C-22 Complex	LAI-10	LAI-10 (1)_20170502	5/2/2017	N	PhaseII	--	--	--	--
Building C-20, C-21, C-22 Complex	LAI-12	LAI-12 (3)_20170502	5/2/2017	N	PhaseII	--	--	--	--
Building C-20, C-21, C-22 Complex	LAI-17	LAI-17 (1.7)_20171005	10/5/2017	N	PhaseII	20 U	10 U	10 U	10 U
Building C-20, C-21, C-22 Complex	LAI-18	LAI-18 (1.8)_20171005	10/5/2017	N	PhaseII	20 U	10 U	10 U	10 U
Building C-20, C-21, C-22 Complex	LAI-19	LAI-19 (2.4)_20171005	10/5/2017	N	PhaseII	20 U	10 U	10 U	10 U
Building C-20, C-21, C-22 Complex	LAI-20	LAI-20 (1.2)_20171005	10/5/2017	N	PhaseII	20 U	10 U	10 U	10 U
Building C-20, C-21, C-22 Complex	LAI-21	LAI-21 (1.5)_20171005	10/5/2017	N	PhaseII	20 U	10 U	10 U	10 U
Building C-20, C-21, C-22 Complex	LAI-22	LAI-22 (1.5)_20171005	10/5/2017	N	PhaseII	20 U	10 U	10 U	10 U
Building C-20, C-21, C-22 Complex	LAI-24	LAI-24 (10.75)_20171009	10/9/2017	N	PhaseII	20 U	10 U	10 U	10 U
Building C-20, C-21, C-22 Complex	LAI-25	LAI-25 (15.0)_20171005	10/5/2017	N	PhaseII	20 U	10 U	**4,000**	10 U
Building C-20, C-21, C-22 Complex	LAI-26	LAI-26 (6.5)_20171005	10/5/2017	N	PhaseII	20 U	10 U	**40**	10 U
Building C-20, C-21, C-22 Complex	LAI-26	LAI-26 (9.5)_20171005	10/5/2017	N	PhaseII	20 U	10 U	**1,400**	10 U
Building C-20, C-21, C-22 Complex	LAI-27	LAI-27 (8)_20171006	10/6/2017	N	PhaseII	20 U	10 U	**3,800**	10 U
Building C-20, C-21, C-22 Complex	RIGW-100	RIGW-100-S-12-13	6/4/2024	N	TECT AO RI	--	--	--	--
Building C-20, C-21, C-22 Complex	RIGW-100	RIGW-100-S-19-20	6/4/2024	N	TECT AO RI	--	--	--	--
Building C-20, C-21, C-22 Complex	RIGW-103	RIGW-103-S-39-40	6/5/2024	N	TECT AO RI	**7.0**	1.5 U	1.5 U	0.05 U
Building C-20, C-21, C-22 Complex	RIGW-103	RIGW-103-S-26-27	6/5/2024	N	TECT AO RI	**11 J**	1.5 U	1.5 U	0.05 U
Building C-20, C-21, C-22 Complex	RIGW-104	RIGW-104-S-31-32	6/4/2024	N	TECT AO RI	**16 J**	1.5 UJ	1.5 UJ	0.05 UJ
Building C-20, C-21, C-22 Complex	RIGW-104	RIGW-104-S-39-40	6/4/2024	N	TECT AO RI	**6.5 J**	1.5 UJ	1.5 UJ	0.05 UJ
C-19; Building C-20, C-21, C-22 Complex	RISB-07	DUP-SOIL-190328	3/28/2019	FD	ShallowInvest-PhaseI	1.6 U	1.5 U	1.5 U	**0.081**
C-19; Building C-20, C-21, C-22 Complex	RISB-07	RISB-07-(14.5-15.5')	3/28/2019	N	ShallowInvest-PhaseI	1.7 U	1.5 U	1.5 U	**0.11**
C-19; Building C-20, C-21, C-22 Complex	RISB-07	RISB-07-(29-30')	3/28/2019	N	ShallowInvest-PhaseI	1.6 U	1.5 U	1.5 U	0.05 U
Building C-20, C-21, C-22 Complex	RISB-12	RISB-12-(19-20')	3/29/2019	N	ShallowInvest-PhaseI	1.6 U	1.5 U	1.5 U	0.05 U
Building C-20, C-21, C-22 Complex	RISB-12	RISB-12-(10-10.5')	3/29/2019	N	ShallowInvest-PhaseI	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-12	RISB-12-(24-25')	3/29/2019	N	ShallowInvest-PhaseI	1.5 U	1.5 U	1.5 U	0.05 U
Building C-20, C-21, C-22 Complex	RISB-12	RISB-12-(41.5-42.5')	4/1/2019	N	ShallowInvest-PhaseI	1.5 U	1.5 U	1.5 U	0.05 U
Building C-20, C-21, C-22 Complex	RISB-13	RISB-13-(10-11')	3/19/2019	N	ShallowInvest-PhaseI	1.5 U	**4.2**	**40,000**	**6.9**
Building C-20, C-21, C-22 Complex	RISB-13	RISB-13-(12.5-13')	3/20/2019	N	ShallowInvest-PhaseI	1.7 U	1.5 U	**14,000**	**1.4**
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-14	DUP-SOIL-190401	4/1/2019	FD	ShallowInvest-PhaseI	1.6 U	1.5 U	1.5 U	0.05 U
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-14	RISB-14-(9-10')	4/1/2019	N	ShallowInvest-PhaseI	1.5 U	1.5 U	**4.2**	0.05 U
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-14	RISB-14-(19-20')	4/1/2019	N	ShallowInvest-PhaseI	1.8 U	1.5 U	1.5 U	0.05 U
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-14	RISB-14-(44-45')	4/1/2019	N	ShallowInvest-PhaseI	1.5 U	1.5 U	1.5 U	0.05 U
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-15	RISB-15-(34-35')	3/21/2019	N	ShallowInvest-PhaseI	1.5 U	1.5 U	**1.6**	0.05 U
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-15	RISB-15-(17-18')	3/21/2019	N	ShallowInvest-PhaseI	1.6 U	1.5 U	**4,200**	**0.056**
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-15	RISB-15-(9-10')	3/21/2019	N	ShallowInvest-PhaseI	1.6 U	1.5 U	**4,400**	0.05 U
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-15	RISB-15-(13-14')	3/21/2019	N	ShallowInvest-PhaseI	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-16	RISB-16-(4-5')	4/1/2019	N	ShallowInvest-PhaseI	1.6 U	1.5 U	1.5 U	0.05 U
Building C-20, C-21, C-22 Complex	RISB-16	RISB-16-(19-20')	4/1/2019	N	ShallowInvest-PhaseI	1.5 U	1.5 U	1.5 U	0.05 U
Building C-20, C-21, C-22 Complex	RISB-17	RISB-17-(34-35')	3/29/2019	N	ShallowInvest-PhaseI	1.5 U	1.5 U	1.5 U	0.05 U
Building C-20, C-21, C-22 Complex	RISB-17	RISB-17-(18-19')	3/29/2019	N	ShallowInvest-PhaseI	1.5 U	1.5 U	1.5 U	0.05 U
Building C-20, C-21, C-22 Complex	RISB-17	RISB-17-(44-45')	3/29/2019	N	ShallowInvest-PhaseI	1.5 U	1.5 U	1.5 U	0.05 U
Building C-20, C-21, C-22 Complex	RISB-18	RISB-18-(2.5-3.5')	3/29/2019	N	ShallowInvest-PhaseI	1.5 U	1.5 U	1.5 U	0.05 U
Building C-20, C-21, C-22 Complex	RISB-18	RISB-18-(9-10')	3/29/2019	N	ShallowInvest-PhaseI	1.5 U	1.5 U	**7.6**	**0.26**
Building C-20, C-21, C-22 Complex	RISB-18	RISB-18-(19-20')	3/29/2019	N	ShallowInvest-PhaseI	1.5 U	1.5 U	1.5 U	0.05 U

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					Analyte Group:	Paine Soil VOCs			
					Analyte:	Methylene Chloride	Tetrachloroethene	Trichloroethene	Vinyl Chloride
					Detect:	Y	Y	Y	Y
					pCUL		50	25	1.7
					Units:	µg/kg	µg/kg	µg/kg	µg/kg
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**				
Building C-20, C-21, C-22 Complex	RISB-19	RISB-19-(14-15')	3/29/2019	N	ShallowInvest-PhaseI	1.5 U	1.5 U	1.5 U	**0.12**
Building C-20, C-21, C-22 Complex	RISB-19	RISB-19-(8.5-9.5')	3/29/2019	N	ShallowInvest-PhaseI	1.5 U	1.5 U	**5.9**	**0.10**
Building C-20, C-21, C-22 Complex	RISB-19	RISB-19-(1.5-2')	3/29/2019	N	ShallowInvest-PhaseI	180 U	6 U	6.2 U	**8.6**
Building C-20, C-21, C-22 Complex	RISB-20	RISB-20-(6.5-7.5')	3/27/2019	N	ShallowInvest-PhaseI	1.6 U	1.5 U	1.5 U	0.05 U
Building C-20, C-21, C-22 Complex	RISB-21	RISB-21-(12.5-13.5')	3/28/2019	N	ShallowInvest-PhaseI	1.5 U	1.5 U	**9,500**	**0.81**
Building C-20, C-21, C-22 Complex	RISB-21	RISB-21-(19-20')	3/28/2019	N	ShallowInvest-PhaseI	1.6 U	1.5 U	**5,200**	**0.76**
Building C-20, C-21, C-22 Complex	RISB-22	RISB-22-(1-2')	3/28/2019	N	ShallowInvest-PhaseI	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-22	RISB-22-(6.5-7.5')	3/28/2019	N	ShallowInvest-PhaseI	1.5 U	1.5 U	1.5 U	**1.4**
Building C-20, C-21, C-22 Complex	RISB-22	RISB-22-(19-20')	3/28/2019	N	ShallowInvest-PhaseI	1.6 U	1.5 U	1.5 U	0.05 U
Building C-20, C-21, C-22 Complex	RISB-23	RISB-23-(14-15')	3/28/2019	N	ShallowInvest-PhaseI	1.6 U	1.5 U	**9.2**	**0.071**
Building C-20, C-21, C-22 Complex	RISB-23	RISB-23-(19-20')	3/28/2019	N	ShallowInvest-PhaseI	1.5 U	1.5 U	1.5 U	0.05 U
Building C-20, C-21, C-22 Complex	RISB-24	RISB-24-(2-3')	3/20/2019	N	ShallowInvest-PhaseI	1.5 U	1.5 U	**6.8**	**0.090**
Building C-20, C-21, C-22 Complex	RISB-25	RISB-25-(2-3')	3/20/2019	N	ShallowInvest-PhaseI	1.5 U	1.5 U	1.5 U	0.05 U
Building C-20, C-21, C-22 Complex	RISB-26	RISB-26-(2-3')	4/2/2019	N	ShallowInvest-PhaseI	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-26	RISB-26-(6-7')	4/2/2019	N	ShallowInvest-PhaseI	1.5 U	1.5 U	**7.4**	0.05 U
Building C-20, C-21, C-22 Complex	RISB-26	RISB-26-(24-25')	4/2/2019	N	ShallowInvest-PhaseI	1.5 U	1.5 U	1.5 U	**0.094**
Building C-20, C-21, C-22 Complex	RISB-27	RISB-27-(2-3')	4/2/2019	N	ShallowInvest-PhaseI	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-27	RISB-27-(44-45')	4/2/2019	N	ShallowInvest-PhaseI	1.5 U	1.5 U	1.5 U	0.05 U
Building C-20, C-21, C-22 Complex	RISB-27	RISB-27-(39-40')	4/2/2019	N	ShallowInvest-PhaseI	1.6 U	1.5 U	1.5 U	0.05 U
Building C-20, C-21, C-22 Complex	RISB-28	RISB-28-(11-12')	3/19/2019	N	ShallowInvest-PhaseI	1.6 U	1.5 U	**28**	**0.13**
Building C-20, C-21, C-22 Complex	RISB-28	RISB-28-(0.7-1.7')	3/19/2019	N	ShallowInvest-PhaseI	1.5 U	1.5 U	1.5 U	0.05 U
Building C-20, C-21, C-22 Complex	RISB-49	RISB-49-(6-7')	3/20/2019	N	ShallowInvest-PhaseI	1.6 U	1.5 U	**8.6**	**0.39**
Building C-20, C-21, C-22 Complex	RISB-49	RISB-49-(24-25')	3/20/2019	N	ShallowInvest-PhaseI	1.5 U	1.5 U	1.5 U	0.05 U
Building C-20, C-21, C-22 Complex	RISB-50	RISB-50-(24-25')	3/18/2019	N	ShallowInvest-PhaseI	1.5 U	1.5 U	1.5 U	0.05 U
Building C-20, C-21, C-22 Complex	RISB-50	RISB-50-(13.5-14.5')	3/18/2019	N	ShallowInvest-PhaseI	1.5 U	1.5 U	**3,600**	**1.1**
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-59	RISB-59-(19-20')	8/27/2019	N	Investigation-PhaseII	1.7 U	1.5 U	1.5 U	0.05 U
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-59	RISB-59-(12.5-13.5')	8/27/2019	N	Investigation-PhaseII	1.7 U	1.5 U	1.5 U	0.05 U
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-60	RISB-60-(6.5-7.5')	8/26/2019	N	Investigation-PhaseII	1.5 U	1.5 U	**6.3**	**0.17**
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-60	RISB-60-(24-25')	8/26/2019	N	Investigation-PhaseII	1.5 U	1.5 U	1.5 U	0.05 U
C-19; Building C-20, C-21, C-22 Complex	RISB-69	RISB-69-(9-10')	12/1/2022	N	PhaseIII	1.5 U	1.5 U	1.5 U	0.05 U
C-19; Building C-20, C-21, C-22 Complex	RISB-69	RISB-69-(19-20')	12/1/2022	N	PhaseIII	**2.5**	1.5 U	1.5 U	0.05 U
C-19; Building C-20, C-21, C-22 Complex	RISB-69	RISB-69-(29-30')	12/1/2022	N	PhaseIII	1.5 U	1.5 U	1.5 U	0.05 U
C-19; Building C-20, C-21, C-22 Complex	RISB-70	RISB-70-(9-10')	11/30/2022	N	PhaseIII	1.5 U	1.5 U	1.5 U	0.05 U
C-19; Building C-20, C-21, C-22 Complex	RISB-70	RISB-70-(19-20')	11/30/2022	N	PhaseIII	1.7 U	1.5 U	1.5 U	0.05 U
C-19; Building C-20, C-21, C-22 Complex	RISB-70	RISB-70-(29-30')	11/30/2022	N	PhaseIII	1.5 U	1.5 U	1.5 U	0.05 U
C-19; Building C-20, C-21, C-22 Complex	RISB-71	DUP-SOIL-221201	12/1/2022	N	PhaseIII	1.5 U	1.5 U	**14**	**0.11**
C-19; Building C-20, C-21, C-22 Complex	RISB-71	RISB-71-(9-10')	12/1/2022	N	PhaseIII	1.5 U	1.5 U	**11**	**0.079**
C-19; Building C-20, C-21, C-22 Complex	RISB-71	RISB-71-(19-20')	12/1/2022	N	PhaseIII	**3.4**	1.5 U	1.5 U	**0.068**
C-19; Building C-20, C-21, C-22 Complex	RISB-71	RISB-71-(29-30')	12/2/2022	N	PhaseIII	**2.9**	1.5 U	1.5 U	0.05 U
Building C-20, C-21, C-22 Complex	RISB-105	RISB-105-S-9-10	5/24/2024	N	TECT AO RI	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-105	RISB-105-S-29-30	5/24/2024	N	TECT AO RI	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-106	RISB-106-S-24-25	5/24/2024	N	TECT AO RI	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-113	RISB-113-S-11-12	5/22/2024	N	TECT AO RI	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-113	RISB-113-S-21-22	5/22/2024	N	TECT AO RI	--	--	--	--

Table 13
Building C-20, C-21, C-22 – Detected Constituents in Soil
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

					Analyte Group:	Paine Soil VOCs			
					Analyte:	Methylene Chloride	Tetrachloroethene	Trichloroethene	Vinyl Chloride
					Detect:	Y	Y	Y	Y
					pCUL		50	25	1.7
					Units:	µg/kg	µg/kg	µg/kg	µg/kg
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**				
Building C-20, C-21, C-22 Complex	RISB-113	RISB-113-S-29-30	5/22/2024	N	TECT AO RI	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-114	RISB-114-S-6-7	5/20/2024	N	TECT AO RI	**8.2**	1.5 U	1.5 U	0.05 U
Building C-20, C-21, C-22 Complex	RISB-114	RISB-114-S-19-20	5/20/2024	N	TECT AO RI	**5.7**	1.5 U	1.5 U	0.05 U
Building C-20, C-21, C-22 Complex	RISG-204	RISG-204-S-1.2-2.5	6/17/2024	N	TECT AO RI	--	--	--	--
Building C-20, C-21, C-22 Complex	RISG-205	RISG-205-S-4-5	6/17/2024	N	TECT AO RI	--	--	--	--
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-202	RISB-202-11-12	1/28/2025	N	TECT AO RI	**6.2**	1.5 U	1.5 U	0.05 U
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-202	RISB-202-19-20	1/28/2025	N	TECT AO RI	**3.3**	1.5 U	1.5 U	0.05 U

Notes:

Bold text indicates detected analyte**.**

Blue shading = exceeds project SL

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

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

J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

Abbreviations and Acronyms:

-- = not analyzed
AO = Agreed Order
DRO = diesel-range organics
GRO = gasoline-range organics
ID = identification
µg/kg = micrograms per kilogram
mg/kg = milligrams per kilogram
N = primary sample
ORO = oil-range organics
pCUL = prelimiinary cleanup level'
RI = remedial investigation
SGC = silica-gel cleanup
SL = screening level
TPH = total petroleum hydrocarbons
VOC = volatile organic compound

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Table 14
Building C-20,-21,-22 – Detected Constituents in Groundwater
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

						Conventionals			Metals										Metals						SVOCs						TPH	
					Fraction:	N	N	N	D	T	D	T	D	T	D	T	D	T	D	T	D	T	D	T	N	T	T			N	N	N
					Analyte:	Methane	Sulfate	Total Organic Carbon	Arsenic	Arsenic	Barium	Barium	Cadmium	Cadmium	Chromium, Total	Chromium, Total	Copper	Copper	Lead	Lead	Mercury	Mercury	Nickel	Nickel	1,4-Dioxane	Benzo(a)pyrene	Benzo(b)fluoranthene	Dibenzo(a,h)anthracene	Indeno(1,2,3-cd)pyrene	Chrysene	Petroleum Hydrocarbons DRO C12-C24	Petroleum Hydrocarbons ORO C24-C44
					Detected:	Y	<	<	Y	Y					<	<	Y	<							<					Y	Y	Y
					pCUL:				13.6	13.6			4.4	4.4	50	50			15	15	2	2			0.44						500	500
					Units:	µg/L	µg/L	µg/L	µg/L	µg/L					µg/L	µg/L	µg/L	µg/L							µg/L					µg/L	µg/L	µg/L
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**																											
Building C-20, C-21, C-22 Complex	RIGW-100	RIGW-100-20240814	8/14/2024	N	TECT AO RI	--	--	--	**2.8**	**2.8**	--	--	--	--	2 U	2 U	**4.0**	**4.1**	--	--	--	--	--	--	**0.46**	--	--	--	--	**0.38**	140 U	250 U
Building C-20, C-21, C-22 Complex	RIGW-101	RIGW-101-240812	8/12/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**18**	--	--	--	--	0.02 U	**540**	250 U
Building C-20, C-21, C-22 Complex	RIGW-103	RIGW-103-240812	8/12/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.02 U	**480**	**340**
Building C-20, C-21, C-22 Complex	RIGW-104	RIGW-104-240812	8/12/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.02 U	130 U	250 U
C-19; Building C-20, C-21, C-22 Complex	RISB-07	RISB-07-GW	3/28/2019	N	ShallowInvest-Phasel	--	--	--	1 U	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**280**	**340**
Building C-20, C-21, C-22 Complex	RISB-105	RISB-105-GW	5/24/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.02 U	**400 Z**	**410 Z**
Building C-20, C-21, C-22 Complex	RISB-106	RISB-106-GW	5/24/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.02 U	**270 Z**	250 U
Building C-20, C-21, C-22 Complex	RISB-13	RISB-13-GW	3/19/2019	N	ShallowInvest-Phasel	--	--	--	**2.1**	--	--	--	--	--	**18**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	130 U	**850**
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-14	DUP-GW-190401	4/1/2019	FD	ShallowInvest-Phasel	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-14	RISB-14-GW	4/1/2019	N	ShallowInvest-Phasel	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-15	RISB-15-GW	3/21/2019	N	ShallowInvest-Phasel	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**250 J**	**410 J**
Building C-20, C-21, C-22 Complex	RISB-16	RISB-16-GW	4/1/2019	N	ShallowInvest-Phasel	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-17	RISB-17-GW	3/29/2019	N	ShallowInvest-Phasel	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-18	RISB-18-GW	3/29/2019	N	ShallowInvest-Phasel	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-20	DUP-GW-190327	3/27/2019	FD	ShallowInvest-Phasel	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-20	RISB-20-GW	3/27/2019	N	ShallowInvest-Phasel	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-21	RISB-21-GW	4/2/2019	N	ShallowInvest-Phasel	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-22	RISB-22-GW	4/2/2019	N	ShallowInvest-Phasel	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-23	RISB-23-GW	3/28/2019	N	ShallowInvest-Phasel	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**270**	**430**
Building C-20, C-21, C-22 Complex	RISB-24	RISB-24-GW	3/20/2019	N	ShallowInvest-Phasel	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	130 U	**860**
Building C-20, C-21, C-22 Complex	RISB-25	RISB-25-GW	3/20/2019	N	ShallowInvest-Phasel	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**210 J**	**410**
Building C-20, C-21, C-22 Complex	RISB-26	RISB-26-GW	4/2/2019	N	ShallowInvest-Phasel	--	--	--	**2.3**	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-27	RISB-27-GW	4/2/2019	N	ShallowInvest-Phasel	--	--	--	**3.5**	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RISB-28	RISB-28-GW	3/19/2019	N	ShallowInvest-Phasel	--	--	--	**1.0**	--	--	--	--	--	2 U	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	650 U	**6,000**
Building C-20, C-21, C-22 Complex	RISB-49	RISB-49-GW	3/20/2019	N	ShallowInvest-Phasel	--	--	--	**14**	--	--	--	--	--	**2.4**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	130 U	**1,300**
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-60	RISB-60-GW	8/27/2019	N	Investigation-Phasell	**30**	**7,600**	**2,400**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19; Building C-20, C-21, C-22 Complex	RISB-69	RISB-69-GW-221201	12/1/2022	N	PhaseIII	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.60**	--	--	--	--	--	--	--
C-19; Building C-20, C-21, C-22 Complex	RISB-70	RISB-70-GW-221130	11/30/2022	N	PhaseIII	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-19; Building C-20, C-21, C-22 Complex	RISB-71	RISB-71-GW-221201	12/1/2022	N	PhaseIII	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.4 U	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RIGW-100	RIGW-100-241107	11/7/2024	N	TECT AO RI	--	--	--	**2.3**	**2.3**	--	--	--	--	2 U	2 U	**3.3**	**4.1**	--	--	--	--	--	--	0.4 U	--	--	--	--	0.02 U	**150 Z**	250 U
Building C-20, C-21, C-22 Complex	RIGW-101	RIGW-101-241106	11/6/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	**0.65**	--	--	--	--	0.02 U	**260 Z**	250 U
Building C-20, C-21, C-22 Complex	RIGW-103	RIGW-103-241106	11/6/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.02 U	**420 Z**	250 U
Building C-20, C-21, C-22 Complex	RIGW-104	RIGW-104-241107	11/7/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	0.02 U	130 U	250 U
Building C-20, C-21, C-22 Complex	RISB-202	RISB-202-GW	1/28/2025	N	TECT AO RI	--	--	--	1 U	**180**	**8.4**	**7,700**	1 U	**11**	**3.0**	**4,400**	2 U	**2,200**	1 U	**400**	0.2 U	**3.0**	**4.3**	**5,600**	**0.37 J**	**0.025**	**0.024**	**0.026**	**0.029**	0.02 U	**420**	**620**

Table 14
Building C-20,-21,-22 – Detected Constituents in Groundwater
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

					Analyte Group:	TPH with SGC		VOCs										VOCs		
					Fraction:	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
					Analyte:	Petroleum Hydrocarbons DRO C12-C24	Petroleum Hydrocarbons ORO C24-C40	1,1-Dichloroethene	1,2-Dibromoethane (EDB)	1,2-Dichloroethane	Acetone	Benzene	Chloroethane	cis-1,2-Dichloroethene	Methyl-tert-butyl ether	Naphthalene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride
					Detected:	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
					pCUL:	500	500	7.0		0.48		1.6		15			73	2.3	0.10
					Units:	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**														
Building C-20, C-21, C-22 Complex	RIGW-100	RIGW-100-20240814	8/14/2024	N	TECT AO RI	130 U	250 U	**3.8**	0.01 U	0.02 U	25 U	0.5 U	**8.0**	**210**	2 U	2 U	**6.8**	**2,500**	**31**
Building C-20, C-21, C-22 Complex	RIGW-101	RIGW-101-240812	8/12/2024	N	TECT AO RI	130 U	250 U	2 U	0.01 U	0.02 U	25 U	0.5 U	2 U	**19**	2 U	2 U	2 U	**220**	**1.6**
Building C-20, C-21, C-22 Complex	RIGW-103	RIGW-103-240812	8/12/2024	N	TECT AO RI	**140**	250 U	2 U	0.01 U	0.02 U	25 U	0.5 U	2 U	**420**	2 U	2 U	**2.8**	**23**	**190**
Building C-20, C-21, C-22 Complex	RIGW-104	RIGW-104-240812	8/12/2024	N	TECT AO RI	130 U	250 U	2 U	0.01 U	0.02 U	25 U	0.5 U	2 U	2 U	2 U	2 U	2 U	0.5 U	**0.098**
C-19; Building C-20, C-21, C-22 Complex	RISB-07	RISB-07-GW	3/28/2019	N	ShallowInvest-Phasel	**280**	**340**	2 U	0.01 U	0.02 U	25 U	0.5 U	2 U	**23**	2 U	2 U	2 U	**110**	**0.46**
Building C-20, C-21, C-22 Complex	RISB-105	RISB-105-GW	5/24/2024	N	TECT AO RI	130 U	250 U	--	--	--	--	--	--	--	--	**0.057 J**	--	--	--
Building C-20, C-21, C-22 Complex	RISB-106	RISB-106-GW	5/24/2024	N	TECT AO RI	130 U	250 U	--	--	--	--	--	--	--	--	**0.039 J**	--	--	--
Building C-20, C-21, C-22 Complex	RISB-13	RISB-13-GW	3/19/2019	N	ShallowInvest-Phasel	--	--	**2.7**	0.01 U	0.02 U	25 U	0.5 U	**15**	**780**	2 U	2 U	**45**	**2,100**	**240**
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-14	DUP-GW-190401	4/1/2019	FD	ShallowInvest-Phasel	--	--	2 U	0.01 U	0.02 U	25 U	0.5 U	2 U	2 U	2 U	2 U	2 U	**2.7**	0.02 U
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-14	RISB-14-GW	4/1/2019	N	ShallowInvest-Phasel	--	--	2 U	0.01 U	0.02 U	25 U	0.5 U	2 U	2 U	2 U	2 U	2 U	**2.6**	0.02 U
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-15	RISB-15-GW	3/21/2019	N	ShallowInvest-Phasel	--	--	**2.2**	0.01 U	0.02 U	25 U	0.5 U	2 U	**71**	2 U	2 U	2 U	**2,000**	**0.79**
Building C-20, C-21, C-22 Complex	RISB-16	RISB-16-GW	4/1/2019	N	ShallowInvest-Phasel	--	--	2 U	0.01 U	**0.81**	25 U	0.5 U	2 U	2 U	**21**	2 U	2 U	0.5 U	0.02 U
Building C-20, C-21, C-22 Complex	RISB-17	RISB-17-GW	3/29/2019	N	ShallowInvest-Phasel	--	--	2 U	0.01 U	0.02 U	25 U	0.5 U	2 U	2 U	**2.9**	2 U	2 U	0.5 U	0.02 U
Building C-20, C-21, C-22 Complex	RISB-18	RISB-18-GW	3/29/2019	N	ShallowInvest-Phasel	--	--	2 U	0.01 U	**0.086**	25 U	0.5 U	2 U	2 U	2 U	2 U	2 U	**1.3**	**1.3**
Building C-20, C-21, C-22 Complex	RISB-20	DUP-GW-190327	3/27/2019	FD	ShallowInvest-Phasel	--	--	2 U	0.01 U	0.02 U	25 U	**0.71**	2 U	2 U	2 U	2 U	2 U	0.5 U	**0.073**
Building C-20, C-21, C-22 Complex	RISB-20	RISB-20-GW	3/27/2019	N	ShallowInvest-Phasel	--	--	2 U	0.01 U	0.02 U	25 U	**0.68**	2 U	2 U	2 U	2 U	2 U	0.5 U	**0.071**
Building C-20, C-21, C-22 Complex	RISB-21	RISB-21-GW	4/2/2019	N	ShallowInvest-Phasel	--	--	2 U	0.01 U	0.02 U	**23**	0.5 U	2 U	**45**	2 U	2 U	**4.0**	**190**	**0.54**
Building C-20, C-21, C-22 Complex	RISB-22	RISB-22-GW	4/2/2019	N	ShallowInvest-Phasel	--	--	2 U	0.01 U	0.02 U	25 U	0.5 U	2 U	**24**	2 U	2 U	2 U	**3.9**	**90**
Building C-20, C-21, C-22 Complex	RISB-23	RISB-23-GW	3/28/2019	N	ShallowInvest-Phasel	--	--	2 U	0.01 U	0.02 U	25 U	0.5 U	2 U	**15**	2 U	2 U	2 U	**63**	**0.62**
Building C-20, C-21, C-22 Complex	RISB-24	RISB-24-GW	3/20/2019	N	ShallowInvest-Phasel	--	--	2 U	0.01 U	0.02 U	25 U	0.5 U	2 U	**13**	2 U	2 U	2 U	**330**	**1.2**
Building C-20, C-21, C-22 Complex	RISB-25	RISB-25-GW	3/20/2019	N	ShallowInvest-Phasel	--	--	2 U	0.01 U	0.02 U	25 U	0.5 U	2 U	**5.9**	2 U	2 U	2 U	**12**	**0.22**
Building C-20, C-21, C-22 Complex	RISB-26	RISB-26-GW	4/2/2019	N	ShallowInvest-Phasel	--	--	2 U	0.01 U	0.02 U	25 U	0.5 U	2 U	**18**	2 U	2 U	2 U	**24**	**0.60**
Building C-20, C-21, C-22 Complex	RISB-27	RISB-27-GW	4/2/2019	N	ShallowInvest-Phasel	--	--	2 U	0.01 U	0.02 U	25 U	0.5 U	2 U	**77**	2 U	2 U	2 U	**220**	**2.7**
Building C-20, C-21, C-22 Complex	RISB-28	RISB-28-GW	3/19/2019	N	ShallowInvest-Phasel	--	--	**2.9**	0.01 U	0.02 U	25 U	0.5 U	2 U	**68**	2 U	2 U	2 U	**310**	**2.0**
Building C-20, C-21, C-22 Complex	RISB-49	RISB-49-GW	3/20/2019	N	ShallowInvest-Phasel	--	--	2 U	0.01 U	0.02 U	25 U	0.5 U	2 U	**150**	2 U	2 U	**3.4**	**430**	**7.4**
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-60	RISB-60-GW	8/27/2019	N	Investigation-PhaseII	--	--	2 U	**0.018**	**0.27**	25 U	0.5 U	2 U	**4.5**	2 U	2 U	2 U	**14**	**1.6**
C-19; Building C-20, C-21, C-22 Complex	RISB-69	RISB-69-GW-221201	12/1/2022	N	PhaseIII	--	--	2 U	0.01 U	0.02 U	25 U	0.5 U	2 U	**7.8**	2 U	2 U	2 U	**0.68**	**0.13**
C-19; Building C-20, C-21, C-22 Complex	RISB-70	RISB-70-GW-221130	11/30/2022	N	PhaseIII	--	--	2 U	0.01 U	0.02 U	25 U	0.5 U	2 U	2 U	2 U	2 U	2 U	0.5 U	**0.027**
C-19; Building C-20, C-21, C-22 Complex	RISB-71	RISB-71-GW-221201	12/1/2022	N	PhaseIII	--	--	2 U	0.01 U	0.02 U	25 U	0.5 U	2 U	**10**	2 U	2 U	2 U	**22**	**0.78**
Building C-20, C-21, C-22 Complex	RIGW-100	RIGW-100-241107	11/7/2024	N	TECT AO RI	**150 Z**	250 U	**3.8**	0.01 U	0.02 U	25 U	0.5 U	**8.0**	**210**	2 U	2 U	**8.9**	**2,400**	**18**
Building C-20, C-21, C-22 Complex	RIGW-101	RIGW-101-241106	11/6/2024	N	TECT AO RI	130 U	250 U	2 U	0.01 U	0.02 U	25 U	0.5 U	2 U	**20**	2 U	2 U	2 U	**120**	**1.8**
Building C-20, C-21, C-22 Complex	RIGW-103	RIGW-103-241106	11/6/2024	N	TECT AO RI	**200 Z**	250 U	**3.0**	0.01 U	0.02 U	25 U	0.5 U	2 U	**580**	2 U	2 U	**5.4**	**58**	**230**
Building C-20, C-21, C-22 Complex	RIGW-104	RIGW-104-241107	11/7/2024	N	TECT AO RI	130 U	250 U	2 U	0.01 U	0.02 U	25 U	0.5 U	2 U	2 U	2 U	2 U	2 U	0.5 U	0.02 U
Building C-20, C-21, C-22 Complex	RISB-202	RISB-202-GW	1/28/2025	N	TECT AO RI	**180**	**500**	2 U	0.01 U	0.02 U	25 U	0.5 U	2 U	2 U	2 U	2 U	2 U	0.5 U	0.2 U

Table 14
Building C-20,-21,-22 – Detected Constituents in Groundwater
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Shading

Bold text indicates detected analyte**.**
Blue shading = exceeds project SL

Qualifiers:

U = The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
UJ = The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
J+ = The result is an estimated quantity and the result may be biased high.
J- = The result is an estimated quantity and the result may be biased low.
R = The data are unusable. The sample results are rejected due to serious deficiencies in meeting quality control criteria. The analyte may or may not be present in the sample.
Z = See laboratory report for hydrocarbon identification

Abbreviations and Acronyms:

-- = not analyzed
µg/L = micrograms per liter
AO = Agreed Order
CAS = Chemical Abstracts Service
FD = field duplicate sample
ID = identification
MTCA = Model Toxics Control Act
N = primary sample
RI = remedial investigation
RN = registry number
SGC = silica-gel cleanup
SL = screening level
SVOC = semivolatile organic compound
TPH = total petroleum hydrocarbons
VOC = volatile organic compound

Fraction

D = dissolved
T = total
N = normal (for non metals, fraction doesn't apply)

Table 15
Building C-20, C-21, C-22 – Detected Constituents in Soil Gas
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

					Analyte:	Ethylbenzene	1,3-Butadiene	4-Methyl-2-pentanone	1,3,5-Trimethylbenzene	Toluene	Tetrahydrofuran	n-Hexane	Cyclohexane	Tetrachloroethene	n-Heptane	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	m-&p-Xylenes	2,2,4-Trimethylpentane	4-Ethyltoluene
					Detect:	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
					Screening Level:									1,500						
					Units:	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**															
Building C-20, C-21, C-22 Complex	LAI-08	LAI-8_20170502	5/2/2017	N	PhaseII	**5.4**	2.4 U	4.5 U	5.4 U	**55**	3.2 U	**350**	**200**	7.5 U	**140**	4.4 U	4.4 U	**20**	**11**	5.4 U
Building C-20, C-21, C-22 Complex	LAI-09	LAI-9_20170503	5/3/2017	N	PhaseII	4.4 U	2.3 U	4.2 U	5 U	3.9 U	3 U	3.6 U	3.5 U	7 U	4.2 U	4.1 U	4.1 U	4.4 U	4.8 U	5 U
Building C-20, C-21, C-22 Complex	LAI-10	LAI-10_20170502	5/2/2017	N	PhaseII	4.5 U	2.3 U	4.2 U	5.1 U	**9.1**	3 U	3.6 U	3.5 U	7 U	4.2 U	4.1 U	4.1 U	4.5 U	4.8 U	5.1 U
Building C-20, C-21, C-22 Complex	LAI-11	LAI-11_20170502	5/2/2017	N	PhaseII	43 U	22 U	41 U	49 U	**150**	29 U	**60**	34 U	67 U	**42**	**440**	39 U	43 U	46 U	49 U
Building C-20, C-21, C-22 Complex	LAI-12	LAI-12_20170502	5/2/2017	N	PhaseII	4.6 U	**120**	4.3 U	5.2 U	**24**	3.1 U	**85**	**22**	7.1 U	**21**	4.2 U	4.2 U	**5.3**	**6.2**	5.2 U
Building C-20, C-21, C-22 Complex	LAI-17	LAI-17_20171004	10/4/2017	N	PhaseII	13 U	6.7 U	12 U	15 U	11 U	9 U	11 U	10 U	21 U	12 U	**300**	12 U	13 U	14 U	15 U
Building C-20, C-21, C-22 Complex	LAI-18	LAI-18_20171004	10/4/2017	N	PhaseII	13 U	6.7 U	12 U	15 U	11 U	9 U	11 U	10 U	21 U	12 U	**1,600**	**51**	13 U	14 U	15 U
Building C-20, C-21, C-22 Complex	LAI-19	LAI-19_20171004	10/4/2017	N	PhaseII	**6.6**	1 U	**9.2**	**8.2**	**25**	**13**	**11**	1.6 U	3.2 U	1.9 U	1.8 U	1.8 U	**25**	2.2 U	**21**
Building C-20, C-21, C-22 Complex	LAI-20	LAI-20_20171004	10/4/2017	N	PhaseII	**7.2**	1 U	**9.0**	**8.4**	**23**	**7.6**	**23**	**5.1**	**8.2**	2 U	**120**	**5.8**	**29**	**15**	**25**
Building C-20, C-21, C-22 Complex	LAI-21	LAI-21_20171004	10/4/2017	N	PhaseII	4 U	2 U	3.7 U	**17**	**19**	**8.1**	**38**	**12**	6.2 U	**37**	3.6 U	3.6 U	**17**	4.3 U	**37**
Building C-20, C-21, C-22 Complex	LAI-22	LAI-22_20171004	10/4/2017	N	PhaseII	3.8 U	2 U	3.6 U	**19**	**13**	2.6 U	**21**	3 U	**42**	**13**	3.5 U	3.5 U	**12**	4.1 U	**38**
Building C-20, C-21, C-22 Complex	LAI-24	LAI-24_20171006	10/6/2017	N	PhaseII	4.6 U	2.3 U	**17**	5.2 U	**26**	3.1 U	**12**	**15**	7.1 U	4.3 U	4.2 U	4.2 U	**15**	4.9 U	5.2 U
Building C-20, C-21, C-22 Complex	LAI-25	LAI-25_20171006	10/6/2017	N	PhaseII	27 U	**71**	25 U	30 U	23 U	18 U	22 U	21 U	42 U	25 U	**1,500**	**170**	27 U	29 U	30 U
Building C-20, C-21, C-22 Complex	LAI-26	LAI-26_20171006	10/6/2017	N	PhaseII	41 U	**51**	39 U	47 U	36 U	28 U	**110**	**52**	**130**	39 U	**13,000**	**140**	41 U	**57**	47 U
Building C-20, C-21, C-22 Complex	LAI-27	LAI-27_20171006	10/6/2017	N	PhaseII	**16**	**28**	**11**	2.2 U	**170**	1.3 U	**73**	**59**	3 U	**60**	**170**	1.8 U	**58**	**9.8**	**11**
Building C-20, C-21, C-22 Complex	RISG-19	RISG-19-190402	4/2/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	**6.9**	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RISG-204	RISG-204-20240809	8/9/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	**29**	--	**1,400**	--	--	--	--
Building C-20, C-21, C-22 Complex	RISG-205	RISG-205-20240809	8/9/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	**3.0**	--	**1,800**	--	--	--	--
Building C-20, C-21, C-22 Complex	RISG-22	RISG-22-190402	4/2/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	21 U	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex	RISG-50	RISG-50-190409	4/9/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	**18**	--	--	--	--	--	--

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Table 15
Building C-20, C-21, C-22 – Detected Constituents in Soil Gas
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Analyte:						Ethanol	Isopropanol	Acetone	Chloroform	Benzene	Helium	Vinyl Chloride	Carbon Disulfide	1,1-Dichloroethene	Methyl Ethyl Ketone	Trichloroethene	o-Xylene	1,2,4-Trimethylbenzene
Detect:						Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Screening Level:										50		44				95		
Units:						µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	%	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**													
Building C-20, C-21, C-22 Complex	LAI-08	LAI-8_20170502	5/2/2017	N	PhaseII	**27**	11 U	**59**	5.4 U	**15**	0.11 U	2.8 U	**17**	4.4 U	13 U	5.9 U	**6.7**	5.4 U
Building C-20, C-21, C-22 Complex	LAI-09	LAI-9_20170503	5/3/2017	N	PhaseII	7.7 U	10 U	24 U	5 U	3.3 U	**0.42**	2.6 U	13 U	4.1 U	12 U	5.5 U	4.4 U	5 U
Building C-20, C-21, C-22 Complex	LAI-10	LAI-10_20170502	5/2/2017	N	PhaseII	**34**	10 U	**33**	5 U	3.3 U	**0.17**	2.6 U	13 U	4.1 U	12 U	5.5 U	4.5 U	5.1 U
Building C-20, C-21, C-22 Complex	LAI-11	LAI-11_20170502	5/2/2017	N	PhaseII	75 U	98 U	240 U	48 U	32 U	0.1 U	**5,400**	**160**	39 U	120 U	53 U	43 U	49 U
Building C-20, C-21, C-22 Complex	LAI-12	LAI-12_20170502	5/2/2017	N	PhaseII	**33**	10 U	**66**	5.1 U	**16**	0.1 U	2.7 U	13 U	4.2 U	**17**	5.6 U	4.6 U	5.2 U
Building C-20, C-21, C-22 Complex	LAI-17	LAI-17_20171004	10/4/2017	N	PhaseII	**710**	37 U	36 U	15 U	9.7 U	0.11 U	7.8 U	47 U	12 U	45 U	**12,000**	13 U	15 U
Building C-20, C-21, C-22 Complex	LAI-18	LAI-18_20171004	10/4/2017	N	PhaseII	**1,800**	**120**	36 U	15 U	9.7 U	0.11 U	7.8 U	47 U	12 U	45 U	**16,000**	13 U	15 U
Building C-20, C-21, C-22 Complex	LAI-19	LAI-19_20171004	10/4/2017	N	PhaseII	**430**	**33**	**170**	**25**	**5.9**	**1.2**	1.2 U	7.2 U	1.8 U	**120**	**29**	**9.6**	**30**
Building C-20, C-21, C-22 Complex	LAI-20	LAI-20_20171004	10/4/2017	N	PhaseII	**300**	**32**	**3,500**	**17**	**7.7**	0.12 U	1.2 U	7.4 U	1.9 U	**62**	**1,300**	**11**	**30**
Building C-20, C-21, C-22 Complex	LAI-21	LAI-21_20171004	10/4/2017	N	PhaseII	**290**	**26**	**850**	4.5 U	**9.6**	0.11 U	2.3 U	14 U	3.6 U	**52**	**410**	4 U	**52**
Building C-20, C-21, C-22 Complex	LAI-22	LAI-22_20171004	10/4/2017	N	PhaseII	**790**	**63**	**2,300**	**11**	2.8 U	0.11 U	2.2 U	14 U	3.5 U	**36**	**29**	3.8 U	**72**
Building C-20, C-21, C-22 Complex	LAI-24	LAI-24_20171006	10/6/2017	N	PhaseII	**290**	13 U	12 U	**64**	3.3 U	0.26 U	2.7 U	16 U	4.2 U	15 U	5.6 U	4.6 U	5.2 U
Building C-20, C-21, C-22 Complex	LAI-25	LAI-25_20171006	10/6/2017	N	PhaseII	**1300**	76 U	74 U	30 U	20 U	0.12 U	16 U	97 U	**130**	92 U	**29,000**	27 U	30 U
Building C-20, C-21, C-22 Complex	LAI-26	LAI-26_20171006	10/6/2017	N	PhaseII	**480**	88 U	85 U	46 U	30 U	0.12 U	**31**	110 U	**480**	100 U	**74,000**	41 U	47 U
Building C-20, C-21, C-22 Complex	LAI-27	LAI-27_20171006	10/6/2017	N	PhaseII	**630**	**92**	**94**	2.2 U	**17**	0.11 U	**59**	6.9 U	1.8 U	**29**	**34**	**16**	**10**
Building C-20, C-21, C-22 Complex	RISG-19	RISG-19-190402	4/2/2019	N	ShallowInvest-PhaseI	--	--	--	--	**46**	--	**25,000**	--	--	--	**690**	--	--
Building C-20, C-21, C-22 Complex	RISG-204	RISG-204-20240809	8/9/2024	N	TECT AO RI	--	--	--	--	2.6 U	--	**310**	--	--	--	**1,700**	--	--
Building C-20, C-21, C-22 Complex	RISG-205	RISG-205-20240809	8/9/2024	N	TECT AO RI	--	--	--	--	**6.0**	--	**2,400**	--	--	--	**640**	--	--
Building C-20, C-21, C-22 Complex	RISG-22	RISG-22-190402	4/2/2019	N	ShallowInvest-PhaseI	--	--	--	--	20 U	--	**2,600**	--	--	--	**36**	--	--
Building C-20, C-21, C-22 Complex	RISG-50	RISG-50-190409	4/9/2019	N	ShallowInvest-PhaseI	--	--	--	--	2.2 U	--	2.3 U	--	--	--	**1,700**	--	--

Notes:

Bold text indicates detected analyte**.**

Blue shading = exceeds project SL

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

Abbreviations and Acronyms:

-- = not analyzed

µg/m^3 = micrograms per cubic meter

AO = Agreed Order

ID = identification

N = primary sample

RI = remedial investigation

SL = screening level

Table 16
Building C-23 – Detected Constituents in Soil
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Analyte Group:						Paine Soil Metals									Paine Soil TPH	
Analyte:						Arsenic	Barium	Cadmium	Chromium, Total	Chromium, Trivalent	Lead	Mercury	Nickel	Zinc	Petroleum Hydrocarbons DRO C12-C24	Petroleum Hydrocarbons ORO C24-C40
Detect:						Y			Y	Y	Y	Y		Y	Y	Y
pCUL									2,000						2,000	2,000
Units:						mg/kg			mg/kg	mg/kg	mg/kg	mg/kg		mg/kg	mg/kg	mg/kg
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**											
Building C-23 and C-23 Annex; Deep Aquifer	DW3	DW3-SO-136-20001212	12/12/2000	N	Historical	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex; Deep Aquifer	DW3	DW3-SO-151-20001212	12/12/2000	N	Historical	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex; Deep Aquifer	DW3	DW3-SO-36-20001212	12/12/2000	N	Historical	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex; Deep Aquifer	DW3	DW3-SO-66-20001212	12/12/2000	N	Historical	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex; Deep Aquifer	DW3	DW3-SO-7-20001212	12/12/2000	N	Historical	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex; Deep Aquifer	DW3	DW3-SO-76-20001212	12/12/2000	N	Historical	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex	LAI-03a	LAI-3A (3)_20170502	5/2/2017	N	PhaseII	--	--	--	--	--	--	--	--	--	25 U	50 U
Building C-23 and C-23 Annex; Deep Aquifer	DW3	DW3-SO-76-20001212	12/12/2000	N	Historical	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex	LAI-03a	LAI-3A (3)_20170502	5/2/2017	N	PhaseII	--	--	--	--	--	--	--	--	--	25 U	50 U
Building C-23 and C-23 Annex	LAI-05	LAI-5 (9)_20170502	5/2/2017	N	PhaseII	--	--	--	--	--	--	--	--	--	25 U	50 U
Building C-23 and C-23 Annex	LAI-07	LAI-7 (1)_20170503	5/3/2017	N	PhaseII	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex	LAI-13	LAI-13 (1.2)_20171005	10/5/2017	N	PhaseII	--	--	--	--	--	--	--	--	--	25 U	**460**
Building C-23 and C-23 Annex	LAI-14	LAI-14 (1.2)_20171005	10/5/2017	N	PhaseII	--	--	--	--	--	--	--	--	--	25 U	50 U
Building C-23 and C-23 Annex	LAI-15	LAI-15 (1.7)_20171005	10/5/2017	N	PhaseII	--	--	--	--	--	--	--	--	--	**27**	**70**
Building C-23 and C-23 Annex	LAI-16	LAI-16 (2.1)_20171005	10/5/2017	N	PhaseII	--	--	--	--	--	--	--	--	--	250 U	**6,900**
Building C-23 and C-23 Annex	LAI-23	LAI-23 (16.5)_20171005	10/5/2017	N	PhaseII	--	--	--	--	--	--	--	--	--	25 U	50 U
Building C-23 and C-23 Annex	LAI-28	LAI-28 (17.75)_20171006	10/9/2017	N	PhaseII	--	--	--	--	--	--	--	--	--	25 U	50 U
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-14	DUP-SOIL-190401	4/1/2019	FD	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-14	RISB-14-(9-10')	4/1/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-14	RISB-14-(19-20')	4/1/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-14	RISB-14-(44-45')	4/1/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-15	RISB-15-(34-35')	3/21/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-15	RISB-15-(17-18')	3/21/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-15	RISB-15-(9-10')	3/21/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-15	RISB-15-(13-14')	3/21/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	25 U	50 U
Building C-23 and C-23 Annex	RISB-29	DUP-SOIL-190319	3/19/2019	FD	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	25 U	50 U
Building C-23 and C-23 Annex	RISB-29	RISB-29-(11-12')	3/19/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	25 U	50 U
Building C-23 and C-23 Annex	RISB-29	RISB-29-(24-25')	3/19/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	25 U	50 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-30	RISB-30-(19-20')	3/22/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-30	RISB-30-(9-10')	3/22/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-31	DUP-SOIL-190322	3/22/2019	FD	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	25 U	50 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-31	RISB-31-(14-15')	3/22/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	25 U	50 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-31	RISB-31-(6.5-7.5')	3/22/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	25 U	50 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-31	RISB-31-(2-3')	3/22/2019	N	ShallowInvest-PhaseI	**3.6**	**--**	**--**	**29**	--	**3.2**	**0.024**	**--**	--	--	--
Building C-23 and C-23 Annex	RISB-32	RISB-32-(14-15')	3/22/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	--	--

Table 16
Building C-23 – Detected Constituents in Soil
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Analyte Group:						Paine Soil Metals									Paine Soil TPH	
Analyte:						Arsenic	Barium	Cadmium	Chromium, Total	Chromium, Trivalent	Lead	Mercury	Nickel	Zinc	Petroleum Hydrocarbons DRO C12-C24	Petroleum Hydrocarbons ORO C24-C40
Detect:						Y			Y	Y	Y	Y		Y	Y	Y
pCUL									2,000						2,000	2,000
Units:						mg/kg			mg/kg	mg/kg	mg/kg	mg/kg		mg/kg	mg/kg	mg/kg
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**											
Building C-23 and C-23 Annex	RISB-32	RISB-32-(4-5')	3/22/2019	N	ShallowInvest-Phasel	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex	RISB-32	RISB-32-(6-7')	3/22/2019	N	ShallowInvest-Phasel	--	--	--	--	--	--	--	--	--	25 U	50 U
Building C-23 and C-23 Annex	RISB-33	RISB-33-(2.5-3.5')	3/15/2019	N	ShallowInvest-Phasel	**2.5**	**--**	**--**	**29**	--	**2.8**	0.02 U	--	--	25 U	50 U
Building C-23 and C-23 Annex	RISB-33	RISB-33-(9-10')	3/15/2019	N	ShallowInvest-Phasel	**3.2**	**--**	**--**	**32**	--	**2.6**	**0.020**	**--**	--	25 U	50 U
Building C-23 and C-23 Annex	RISB-34	RISB-34-(2-3')	3/15/2019	N	ShallowInvest-Phasel	--	--	--	--	--	--	--	--	--	25 U	50 U
Building C-23 and C-23 Annex	RISB-34	RISB-34-(5-6')	3/15/2019	N	ShallowInvest-Phasel	--	--	--	--	--	--	--	--	--	25 U	50 U
Building C-23 and C-23 Annex	RISB-35	RISB-35-(3.5-4.5')	3/14/2019	N	ShallowInvest-Phasel	--	--	--	--	--	--	--	--	--	25 U	50 U
Building C-23 and C-23 Annex	RISB-36	RISB-36-(19-20')	3/21/2019	N	ShallowInvest-Phasel	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex	RISB-36	RISB-36-(9-10')	3/21/2019	N	ShallowInvest-Phasel	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex	RISB-36	RISB-36-(6-7')	3/21/2019	N	ShallowInvest-Phasel	--	--	--	--	--	--	--	--	--	25 U	50 U
Building C-23 and C-23 Annex	RISB-37	RISB-37-(0.5-1.5')	3/15/2019	N	ShallowInvest-Phasel	--	--	--	--	--	--	--	--	--	25 U	50 U
Building C-23 and C-23 Annex	RISB-37	RISB-37-(9-10')	3/15/2019	N	ShallowInvest-Phasel	--	--	--	--	--	--	--	--	--	25 U	50 U
Building C-23 and C-23 Annex	RISB-38	RISB-38-(9-10')	3/13/2019	N	ShallowInvest-Phasel	--	--	--	--	--	--	--	--	--	25 U	50 U
Building C-23 and C-23 Annex	RISB-39	RISB-39-(11-12')	3/20/2019	N	ShallowInvest-Phasel	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex	RISB-39	RISB-39-(24-25')	3/20/2019	N	ShallowInvest-Phasel	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex	RISB-40	RISB-40-(19-20')	3/21/2019	N	ShallowInvest-Phasel	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex	RISB-40	RISB-40-(9-10')	3/21/2019	N	ShallowInvest-Phasel	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex	RISB-40	RISB-40-(2-3')	3/21/2019	N	ShallowInvest-Phasel	**2.6**	**--**	**--**	**31**	--	**2.9**	**0.024**	**--**	--	--	--
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-47	RISB-47-(6.5-7.5')	4/5/2019	N	ShallowInvest-Phasel	--	--	--	--	--	--	--	--	--	25 U	50 U
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-47	RISB-47-(27-28')	4/5/2019	N	ShallowInvest-Phasel	--	--	--	--	--	--	--	--	--	25 U	50 U
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-48	RISB-48-(5.5-6.5')	4/5/2019	N	ShallowInvest-Phasel	**2.1**	**--**	**--**	**31**	--	**1.7**	0.02 U	--	--	25 U	50 U
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-48	RISB-48-(9-10')	4/5/2019	N	ShallowInvest-Phasel	**2.5**	**--**	**--**	**450**	--	**1.8**	0.02 U	--	--	25 U	50 U
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-48	RISB-48-(14-15')	4/5/2019	N	ShallowInvest-Phasel	**2.8**	**--**	**--**	**36**	--	**2.2**	0.02 U	--	--	25 U	50 U
Building C-23 and C-23 Annex	RISB-51	RISB-51-(24-25')	3/19/2019	N	ShallowInvest-Phasel	**2.7**	**--**	**--**	**24**	--	**1.7**	0.02 U	--	--	25 U	50 U
Building C-23 and C-23 Annex	RISB-51	RISB-51-(7.5-8.5')	3/19/2019	N	ShallowInvest-Phasel	**3.2**	**--**	**--**	**29**	--	**2.3**	0.02 U	--	--	25 U	50 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-52	RISB-52-(19-20')	3/22/2019	N	ShallowInvest-Phasel	--	--	--	--	--	--	--	--	--	25 U	50 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-52	RISB-52-(10.5-11.5')	3/22/2019	N	ShallowInvest-Phasel	--	--	--	--	--	--	--	--	--	25 U	50 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-52	RISB-52-(1.5-2.5')	3/22/2019	N	ShallowInvest-Phasel	**3.4**	**--**	**--**	**36**	--	**3.4**	0.02 U	--	--	--	--
Building C-23 and C-23 Annex	RISB-53	RISB-53-(2-3')	3/14/2019	N	ShallowInvest-Phasel	**2.7**	**--**	**--**	**34**	--	**2.5**	0.02 U	--	--	120 U	**2,100**
Building C-23 and C-23 Annex	RISB-53	RISB-53-(9-10')	3/14/2019	N	ShallowInvest-Phasel	**3.1**	**--**	**--**	**29**	--	**2.3**	0.02 U	--	--	25 U	50 U
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-59	RISB-59-(19-20')	8/27/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--	--	25 U	50 U
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-59	RISB-59-(12.5-13.5')	8/27/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--	--	25 U	50 U
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-60	RISB-60-(6.5-7.5')	8/26/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--	--	25 U	50 U

Table 16
Building C-23 – Detected Constituents in Soil
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Analyte Group:						Paine Soil Metals									Paine Soil TPH	
Analyte:						Arsenic	Barium	Cadmium	Chromium, Total	Chromium, Trivalent	Lead	Mercury	Nickel	Zinc	Petroleum Hydrocarbons DRO C12-C24	Petroleum Hydrocarbons ORO C24-C40
Detect:						Y			Y	Y	Y	Y		Y	Y	Y
pCUL									2,000						2,000	2,000
Units:						mg/kg			mg/kg	mg/kg	mg/kg	mg/kg		mg/kg	mg/kg	mg/kg
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**											
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-60	RISB-60-(24-25')	8/26/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex	RISB-61	RISB-61-(29-30')	8/27/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--	--	25 U	50 U
Building C-23 and C-23 Annex	RISB-61	RISB-61-(6.5-7.5')	8/27/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--	--	25 U	50 U
Building C-23 and C-23 Annex	RISB-62	RISB-62-(24-25')	8/27/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--	--	25 U	50 U
Building C-23 and C-23 Annex	RISB-62	RISB-62-(14-15')	8/27/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--	--	25 U	50 U
Building C-23 and C-23 Annex	RISB-63	RISB-63-(19-20')	8/27/2019	N	Investigation-PhaseII	**3.2**	**--**	**--**	**31**	**31**	**2.7**	**0.025**	**--**	--	25 U	50 U
Building C-23 and C-23 Annex	RISB-63	RISB-63-(29-30')	8/27/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-78	RISB-78-(9-10')	11/29/2022	N	PhaseIII	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-78	RISB-78-(19-20')	11/29/2022	N	PhaseIII	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-78	RISB-78-(29-30')	11/29/2022	N	PhaseIII	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex	RISB-104	RISB-104-S-6-7	5/20/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex	RISB-104	RISB-104-S-24-25	5/21/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex	RISB-107	RISB-107-S-26-27	5/28/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex	RISB-107	RISB-107-S-49-50	5/28/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex	RISB-108	RISB-108-S-29-30	5/30/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex	RISB-108	RISB-108-S-49-50	5/30/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex	RISB-109	RISB-109-S-29-30	5/23/2024	N	TECT AO RI	**2.7**	**--**	**--**	**22**	--	**2.0**	**0.024**	**--**	**27**	--	--
Building C-23 and C-23 Annex	RISB-109	RISB-109-S-5-6	5/23/2024	N	TECT AO RI	**2.9**	**--**	**--**	**20**	--	**1.8**	**0.021**	**--**	**25**	--	--
Building C-23 and C-23 Annex	RISB-110	RISB-110-S-16-17	5/23/2024	N	TECT AO RI	**2.8**	**--**	**--**	**29**	--	**2.7**	**0.027**	**--**	**34**	--	--
Building C-23 and C-23 Annex	RISB-110	RISB-110-S-29-30	5/23/2024	N	TECT AO RI	**2.8**	**--**	**--**	**24**	--	**2.2**	**0.023**	**--**	**31**	--	--
Building C-23 and C-23 Annex	RISB-115	RISB-115-S-6-7	5/23/2024	N	TECT AO RI	**--**	**--**	**--**	**--**	--	**--**	**--**	**--**	**--**	--	--
Building C-23 and C-23 Annex	RISB-115	RISB-115-S-34-35	5/23/2024	N	TECT AO RI	**--**	**--**	**--**	**--**	--	**--**	**--**	**--**	**--**	--	--
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-202	RISB-202-11-12	1/28/2025	N	TECT AO RI	**3.3**	**39**	**--**	**25**	--	**1.9**	**0.022**	**54**	**29**	--	--
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-202	RISB-202-19-20	1/28/2025	N	TECT AO RI	**2.6**	**46**	**--**	**30**	--	**2.2**	0.02 U	**51**	**34**	--	--
Building C-23 and C-23 Annex	RISB-203	RISB-203-8-9	1/29/2025	N	TECT AO RI	**2.9**	**51**	0.5 U	**31**	--	**2.2**	**0.023**	**47**	**33**	--	--
Building C-23 and C-23 Annex	RISB-204	RISB-204-19-20	1/29/2025	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex	RISB-204	RISB-204-29-30	1/29/2025	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--

Table 16
Building C-23 – Detected Constituents in Soil
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Analyte Group:						Paine Soil TPH with SGC		Paine Soil VOCs					
					Analyte:	Petroleum Hydrocarbons DRO C12-C24	Petroleum Hydrocarbons ORO C24-C40	1,2-Dichloroethane	cis-1,2-Dichloroethene	Methylene Chloride	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride
					Detect:	Y	Y	Y	Y	Y	Y	Y	Y
					pCUL	2,000	2,000	23	79		520	25	1.7
					Units:	mg/kg	mg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**								
Building C-23 and C-23 Annex; Deep Aquifer	DW3	DW3-SO-136-20001212	12/12/2000	N	Historical	--	--	--	10 U	--	10 U	10 U	--
Building C-23 and C-23 Annex; Deep Aquifer	DW3	DW3-SO-151-20001212	12/12/2000	N	Historical	--	--	--	10 U	--	10 U	10 U	--
Building C-23 and C-23 Annex; Deep Aquifer	DW3	DW3-SO-36-20001212	12/12/2000	N	Historical	--	--	--	10 U	--	10 U	10 U	--
Building C-23 and C-23 Annex; Deep Aquifer	DW3	DW3-SO-66-20001212	12/12/2000	N	Historical	--	--	--	10 U	--	10 U	10 U	--
Building C-23 and C-23 Annex; Deep Aquifer	DW3	DW3-SO-7-20001212	12/12/2000	N	Historical	--	--	--	10 U	--	10 U	10 U	--
Building C-23 and C-23 Annex; Deep Aquifer	DW3	DW3-SO-76-20001212	12/12/2000	N	Historical	--	--	--	10 U	--	10 U	10 U	--
Building C-23 and C-23 Annex	LAI-03a	LAI-3A (3)_20170502	5/2/2017	N	PhaseII	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex	LAI-05	LAI-5 (9)_20170502	5/2/2017	N	PhaseII	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex	LAI-07	LAI-7 (1)_20170503	5/3/2017	N	PhaseII	25 U	**76**	--	--	--	--	--	--
Building C-23 and C-23 Annex	LAI-13	LAI-13 (1.2)_20171005	10/5/2017	N	PhaseII	--	**--**	10 U	10 U	20 U	10 U	10 U	10 U
Building C-23 and C-23 Annex	LAI-14	LAI-14 (1.2)_20171005	10/5/2017	N	PhaseII	--	--	10 U	10 U	20 U	10 U	10 U	10 U
Building C-23 and C-23 Annex	LAI-15	LAI-15 (1.7)_20171005	10/5/2017	N	PhaseII	**--**	**--**	10 U	10 U	20 U	10 U	10 U	10 U
Building C-23 and C-23 Annex	LAI-16	LAI-16 (2.1)_20171005	10/5/2017	N	PhaseII	--	**--**	10 U	10 U	20 U	10 U	10 U	10 U
Building C-23 and C-23 Annex	LAI-23	LAI-23 (16.5)_20171005	10/5/2017	N	PhaseII	--	--	10 U	**36**	20 U	10 U	10 U	10 U
Building C-23 and C-23 Annex	LAI-28	LAI-28 (17.75)_20171006	10/9/2017	N	PhaseII	--	--	10 U	10 U	20 U	10 U	10 U	10 U
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-14	DUP-SOIL-190401	4/1/2019	FD	ShallowInvest-Phasel	--	--	1.5 U	1.5 U	1.6 U	10 U	1.5 U	0.05 U
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-14	RISB-14-(9-10')	4/1/2019	N	ShallowInvest-Phasel	--	--	1.5 U	1.5 U	1.5 U	10 U	**4.2**	0.05 U
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-14	RISB-14-(19-20')	4/1/2019	N	ShallowInvest-Phasel	--	--	1.5 U	1.5 U	1.8 U	10 U	1.5 U	0.05 U
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-14	RISB-14-(44-45')	4/1/2019	N	ShallowInvest-Phasel	--	--	1.5 U	1.5 U	1.5 U	10 U	1.5 U	0.05 U
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-15	RISB-15-(34-35')	3/21/2019	N	ShallowInvest-Phasel	--	--	1.5 U	1.5 U	1.5 U	10 U	**1.6**	0.05 U
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-15	RISB-15-(17-18')	3/21/2019	N	ShallowInvest-Phasel	--	--	1.5 U	**3.3**	1.6 U	10 U	**4,200**	**0.056**
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-15	RISB-15-(9-10')	3/21/2019	N	ShallowInvest-Phasel	--	--	1.5 U	**2.7**	1.6 U	10 U	**4,400**	0.05 U
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-15	RISB-15-(13-14')	3/21/2019	N	ShallowInvest-Phasel	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex	RISB-29	DUP-SOIL-190319	3/19/2019	FD	ShallowInvest-Phasel	--	--	1.5 U	**430**	1.5 U	**370**	**3,100**	**0.24**
Building C-23 and C-23 Annex	RISB-29	RISB-29-(11-12')	3/19/2019	N	ShallowInvest-Phasel	--	--	1.5 U	**500**	1.5 U	**24**	**3,600**	**0.18**
Building C-23 and C-23 Annex	RISB-29	RISB-29-(24-25')	3/19/2019	N	ShallowInvest-Phasel	--	--	1.5 U	1.5 U	1.9 U	10 U	1.5 U	0.05 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-30	RISB-30-(19-20')	3/22/2019	N	ShallowInvest-Phasel	--	--	1.5 U	1.5 U	1.8 U	10 U	1.5 U	**0.061**
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-30	RISB-30-(9-10')	3/22/2019	N	ShallowInvest-Phasel	--	--	1.5 U	1.5 U	1.5 U	10 U	1.5 U	0.05 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-31	DUP-SOIL-190322	3/22/2019	FD	ShallowInvest-Phasel	--	--	1.5 U	1.5 U	1.6 U	10 U	1.5 U	0.05 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-31	RISB-31-(14-15')	3/22/2019	N	ShallowInvest-Phasel	--	--	1.5 U	1.5 U	1.6 U	10 U	1.5 U	0.05 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-31	RISB-31-(6.5-7.5')	3/22/2019	N	ShallowInvest-Phasel	--	--	1.5 U	1.5 U	1.7 U	10 U	1.5 U	0.05 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-31	RISB-31-(2-3')	3/22/2019	N	ShallowInvest-Phasel	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex	RISB-32	RISB-32-(14-15')	3/22/2019	N	ShallowInvest-Phasel	--	--	1.5 U	1.5 U	1.5 U	10 U	1.5 U	0.05 U

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TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Analyte Group:						Paine Soil TPH with SGC		Paine Soil VOCs					
					Analyte:	Petroleum Hydrocarbons DRO C12-C24	Petroleum Hydrocarbons ORO C24-C40	1,2-Dichloroethane	cis-1,2-Dichloroethene	Methylene Chloride	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride
					Detect:	Y	Y	Y	Y	Y	Y	Y	Y
					pCUL	2,000	2,000	23	79		520	25	1.7
					Units:	mg/kg	mg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**								
Building C-23 and C-23 Annex	RISB-32	RISB-32-(4-5')	3/22/2019	N	ShallowInvest-PhaseI	--	--	1.5 U	1.5 U	1.5 U	10 U	1.5 U	0.05 U
Building C-23 and C-23 Annex	RISB-32	RISB-32-(6-7')	3/22/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex	RISB-33	RISB-33-(2.5-3.5')	3/15/2019	N	ShallowInvest-PhaseI	--	--	1.5 U	1.5 U	1.7 U	10 U	1.5 U	0.05 U
Building C-23 and C-23 Annex	RISB-33	RISB-33-(9-10')	3/15/2019	N	ShallowInvest-PhaseI	--	--	1.5 U	1.5 U	1.7 U	10 U	1.5 U	0.05 U
Building C-23 and C-23 Annex	RISB-34	RISB-34-(2-3')	3/15/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex	RISB-34	RISB-34-(5-6')	3/15/2019	N	ShallowInvest-PhaseI	--	--	1.5 U	1.5 U	1.5 U	10 U	1.5 U	0.05 U
Building C-23 and C-23 Annex	RISB-35	RISB-35-(3.5-4.5')	3/14/2019	N	ShallowInvest-PhaseI	--	--	1.5 U	1.5 U	1.5 U	10 U	1.5 U	0.05 U
Building C-23 and C-23 Annex	RISB-36	RISB-36-(19-20')	3/21/2019	N	ShallowInvest-PhaseI	--	--	1.5 U	1.5 U	2 U	10 U	1.5 U	0.05 U
Building C-23 and C-23 Annex	RISB-36	RISB-36-(9-10')	3/21/2019	N	ShallowInvest-PhaseI	--	--	1.5 U	1.5 U	1.5 U	10 U	1.5 U	0.05 U
Building C-23 and C-23 Annex	RISB-36	RISB-36-(6-7')	3/21/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex	RISB-37	RISB-37-(0.5-1.5')	3/15/2019	N	ShallowInvest-PhaseI	--	--	1.5 U	1.5 U	1.5 U	10 U	1.5 U	0.05 U
Building C-23 and C-23 Annex	RISB-37	RISB-37-(9-10')	3/15/2019	N	ShallowInvest-PhaseI	--	--	1.5 U	1.5 U	1.6 U	10 U	1.5 U	0.05 U
Building C-23 and C-23 Annex	RISB-38	RISB-38-(9-10')	3/13/2019	N	ShallowInvest-PhaseI	--	--	1.5 U	1.5 U	1.5 U	10 U	1.5 U	0.05 U
Building C-23 and C-23 Annex	RISB-39	RISB-39-(11-12')	3/20/2019	N	ShallowInvest-PhaseI	--	--	1.5 U	1.5 U	1.5 U	10 U	1.5 U	0.05 U
Building C-23 and C-23 Annex	RISB-39	RISB-39-(24-25')	3/20/2019	N	ShallowInvest-PhaseI	--	--	1.5 U	1.5 U	1.5 U	10 U	1.5 U	0.05 U
Building C-23 and C-23 Annex	RISB-40	RISB-40-(19-20')	3/21/2019	N	ShallowInvest-PhaseI	--	--	1.5 U	1.5 U	1.5 U	10 U	1.5 U	0.05 U
Building C-23 and C-23 Annex	RISB-40	RISB-40-(9-10')	3/21/2019	N	ShallowInvest-PhaseI	--	--	1.5 U	1.5 U	1.5 U	10 U	1.5 U	0.05 U
Building C-23 and C-23 Annex	RISB-40	RISB-40-(2-3')	3/21/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-47	RISB-47-(6.5-7.5')	4/5/2019	N	ShallowInvest-PhaseI	--	--	1.5 U	**630**	1.5 U	**10**	**9,600**	**0.55**
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-47	RISB-47-(27-28')	4/5/2019	N	ShallowInvest-PhaseI	--	--	1.5 U	1.5 U	1.5 U	10 U	1.5 U	0.05 U
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-48	RISB-48-(5.5-6.5')	4/5/2019	N	ShallowInvest-PhaseI	--	--	1.5 U	**1,000**	2.2 U	10 U	**810**	**6.7**
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-48	RISB-48-(9-10')	4/5/2019	N	ShallowInvest-PhaseI	--	--	**10**	**690**	1.5 U	**27**	**2,700**	**6.1**
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-48	RISB-48-(14-15')	4/5/2019	N	ShallowInvest-PhaseI	--	--	1.5 U	1.5 U	**4.3**	10 U	**1.5**	0.05 U
Building C-23 and C-23 Annex	RISB-51	RISB-51-(24-25')	3/19/2019	N	ShallowInvest-PhaseI	--	--	1.5 U	**9.7**	1.5 U	10 U	1.5 U	**0.38**
Building C-23 and C-23 Annex	RISB-51	RISB-51-(7.5-8.5')	3/19/2019	N	ShallowInvest-PhaseI	--	--	1.5 U	**1,100**	1.5 U	**11**	**33**	**1.3**
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-52	RISB-52-(19-20')	3/22/2019	N	ShallowInvest-PhaseI	--	--	1.5 U	1.5 U	1.5 U	10 U	1.5 U	0.05 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-52	RISB-52-(10.5-11.5')	3/22/2019	N	ShallowInvest-PhaseI	--	--	1.5 U	1.5 U	1.7 U	10 U	1.5 U	**0.10**
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-52	RISB-52-(1.5-2.5')	3/22/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex	RISB-53	RISB-53-(2-3')	3/14/2019	N	ShallowInvest-PhaseI	--	**--**	1.5 U	1.5 U	1.5 U	10 U	1.5 U	0.05 U
Building C-23 and C-23 Annex	RISB-53	RISB-53-(9-10')	3/14/2019	N	ShallowInvest-PhaseI	--	--	1.5 U	1.5 U	1.5 U	10 U	1.5 U	0.05 U
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-59	RISB-59-(19-20')	8/27/2019	N	Investigation-PhaseII	--	--	1.5 U	1.5 U	1.7 U	10 U	1.5 U	0.05 U
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-59	RISB-59-(12.5-13.5')	8/27/2019	N	Investigation-PhaseII	--	--	1.5 U	1.5 U	1.7 U	10 U	1.5 U	0.05 U
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-60	RISB-60-(6.5-7.5')	8/26/2019	N	Investigation-PhaseII	--	--	1.5 U	1.5 U	1.5 U	10 U	**6.3**	**0.17**

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Analyte Group:						Paine Soil TPH with SGC		Paine Soil VOCs					
					Analyte:	Petroleum Hydrocarbons DRO C12-C24	Petroleum Hydrocarbons ORO C24-C40	1,2-Dichloroethane	cis-1,2-Dichloroethene	Methylene Chloride	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride
					Detect:	Y	Y	Y	Y	Y	Y	Y	Y
					pCUL	2,000	2,000	23	79		520	25	1.7
					Units:	mg/kg	mg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**								
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-60	RISB-60-(24-25')	8/26/2019	N	Investigation-PhaseII	--	--	1.5 U	1.5 U	1.5 U	10 U	1.5 U	0.05 U
Building C-23 and C-23 Annex	RISB-61	RISB-61-(29-30')	8/27/2019	N	Investigation-PhaseII	--	--	1.5 U	1.5 U	1.5 U	10 U	1.5 U	0.05 U
Building C-23 and C-23 Annex	RISB-61	RISB-61-(6.5-7.5')	8/27/2019	N	Investigation-PhaseII	--	--	1.5 U	**6.1**	1.8 U	10 U	1.5 U	**0.31**
Building C-23 and C-23 Annex	RISB-62	RISB-62-(24-25')	8/27/2019	N	Investigation-PhaseII	--	--	1.5 U	1.5 U	1.6 U	10 U	1.5 U	0.05 U
Building C-23 and C-23 Annex	RISB-62	RISB-62-(14-15')	8/27/2019	N	Investigation-PhaseII	--	--	1.5 U	1.5 U	1.6 U	10 U	1.5 U	0.05 U
Building C-23 and C-23 Annex	RISB-63	RISB-63-(19-20')	8/27/2019	N	Investigation-PhaseII	--	--	1.5 U	1.5 U	1.8 U	10 U	1.5 U	0.05 U
Building C-23 and C-23 Annex	RISB-63	RISB-63-(29-30')	8/27/2019	N	Investigation-PhaseII	--	--	1.5 U	1.5 U	1.6 U	10 U	1.5 U	0.05 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-78	RISB-78-(9-10')	11/29/2022	N	PhaseIII	--	--	1.5 U	1.5 U	1.6 U	10 U	1.5 U	0.05 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-78	RISB-78-(19-20')	11/29/2022	N	PhaseIII	--	--	1.5 U	1.5 U	1.5 U	10 U	1.5 U	0.05 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-78	RISB-78-(29-30')	11/29/2022	N	PhaseIII	--	--	1.5 UJ	1.5 UJ	1.6 UJ	10 UJ	1.5 UJ	0.05 UJ
Building C-23 and C-23 Annex	RISB-104	RISB-104-S-6-7	5/20/2024	N	TECT AO RI	25 U	50 U	1.5 U	1.5 U	**8.8**	10 U	1.5 U	0.05 U
Building C-23 and C-23 Annex	RISB-104	RISB-104-S-24-25	5/21/2024	N	TECT AO RI	25 U	50 U	1.5 U	1.5 U	**18**	10 U	1.5 U	0.05 U
Building C-23 and C-23 Annex	RISB-107	RISB-107-S-26-27	5/28/2024	N	TECT AO RI	--	--	1.5 U	**9.3**	**7.3**	10 U	1.5 U	**3.9**
Building C-23 and C-23 Annex	RISB-107	RISB-107-S-49-50	5/28/2024	N	TECT AO RI	--	--	1.5 U	1.5 U	**7.9**	10 U	1.5 U	0.05 U
Building C-23 and C-23 Annex	RISB-108	RISB-108-S-29-30	5/30/2024	N	TECT AO RI	--	--	1.5 U	**280**	**10**	**320**	**5,000**	**0.44**
Building C-23 and C-23 Annex	RISB-108	RISB-108-S-49-50	5/30/2024	N	TECT AO RI	--	--	1.5 U	1.5 U	**7.2**	10 U	1.5 U	0.05 U
Building C-23 and C-23 Annex	RISB-109	RISB-109-S-29-30	5/23/2024	N	TECT AO RI	25 U	50 U	1.5 U	1.5 U	**14**	10 U	1.5 U	0.05 U
Building C-23 and C-23 Annex	RISB-109	RISB-109-S-5-6	5/23/2024	N	TECT AO RI	25 U	50 U	1.5 U	1.5 U	**17**	10 U	1.5 U	0.05 U
Building C-23 and C-23 Annex	RISB-110	RISB-110-S-16-17	5/23/2024	N	TECT AO RI	25 U	50 U	1.5 U	1.5 U	**7.1**	10 U	1.5 U	0.05 U
Building C-23 and C-23 Annex	RISB-110	RISB-110-S-29-30	5/23/2024	N	TECT AO RI	25 U	50 U	1.5 U	1.5 U	**7.3**	10 U	1.5 U	0.05 U
Building C-23 and C-23 Annex	RISB-115	RISB-115-S-6-7	5/23/2024	N	TECT AO RI	--	--	1.5 U	1.5 U	**15**	10 U	1.5 U	0.05 U
Building C-23 and C-23 Annex	RISB-115	RISB-115-S-34-35	5/23/2024	N	TECT AO RI	--	--	1.5 U	1.5 U	**4.2**	10 U	1.5 U	0.05 U
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-202	RISB-202-11-12	1/28/2025	N	TECT AO RI	25 U	50U	1.5 U	1.5 U	**6.2**	10 U	1.5 U	0.05 U
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-202	RISB-202-19-20	1/28/2025	N	TECT AO RI	25 U	50 U	1.5 U	1.5 U	**3.3**	10 U	1.5 U	0.05 U
Building C-23 and C-23 Annex	RISB-203	RISB-203-8-9	1/29/2025	N	TECT AO RI	25 U	50 U	1.5 U	1.5 U	**2.0**	10 U	1.5 U	0.05 U
Building C-23 and C-23 Annex	RISB-204	RISB-204-19-20	1/29/2025	N	TECT AO RI	--	--	1.5 U	1.5 U	**4.2**	10 U	1.5 U	0.05 U
Building C-23 and C-23 Annex	RISB-204	RISB-204-29-30	1/29/2025	N	TECT AO RI	--	--	1.5 U	1.5 U	**4.0**	10 U	1.5 U	0.05 U

Table 17
Building C-23 – Detected Constituents in Groundwater
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

					Analyte Group:	Conventionals				Metals						
					Fraction:	N	N	N	N	D	T	D	T	D	T	D
					Analyte:	Methane	Nitrogen, Nitrate (as N)	Sulfate	Total Organic Carbon	Arsenic	Arsenic	Chromium, Total	Chromium, Total	Chromium, Trivalent	Chromium, Trivalent	Copper
					Detects:	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
					pCUL:		10,000			13.6	13.6	50	50			
					Units:	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**											
Building C-23 and C-23 Annex	RIGW-102	DUP-1-20240814	8/14/2024	FD	TECT AO RI	--	--	--	--	**3.3**	**3.2**	2 U	2 U	2 U	2 U	--
Building C-23 and C-23 Annex	RIGW-102	RIGW-102-20240814	8/14/2024	N	TECT AO RI	--	--	--	--	**2.7**	**3.2**	2 U	2 U	2 U	2 U	--
Building C-23 and C-23 Annex	RIGW-102	RIGW-102-241107	11/7/2024	N	TECT AO RI	--	--	--	--	**6.2**	**5.5**	2 U	2 U	2 U	2 U	--
Building C-23 and C-23 Annex	RIGW-102	DUP-1-241107	11/7/2024	FD	TECT AO RI	--	--	--	--	**6.2**	**5.4**	2 U	2 U	2 U	2 U	--
Building C-23 and C-23 Annex	RISB-104	RISB-104-GW	5/20/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex	RISB-107	RISB-107-GW	5/28/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex	RISB-108	RISB-108-GW	5/31/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex	RISB-109	RISB-DUP-GW-1	5/23/2024	FD	TECT AO RI	--	--	--	--	--	**4.6**	--	**29 J**	--	--	--
Building C-23 and C-23 Annex	RISB-109	RISB-109-GW	5/23/2024	N	TECT AO RI	--	--	--	--	--	**3.6**	--	**18 J**	--	--	--
Building C-23 and C-23 Annex	RISB-115	RISB-115-GW	5/23/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-14	DUP-GW-190401	4/1/2019	FD	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-14	RISB-14-GW	4/1/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-15	RISB-15-GW	3/21/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex	RISB-29	RISB-29-GW	3/19/2019	N	ShallowInvest-PhaseI	--	--	--	--	**3.7**	--	2 U	--	--	--	--
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-30	RISB-30-GW	3/22/2019	N	ShallowInvest-PhaseI	--	--	--	--	**5.8**	--	2 U	--	--	--	--
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-31	RISB-31-GW	4/9/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex	RISB-32	DUP-GW-190322	3/22/2019	FD	ShallowInvest-PhaseI	--	--	--	--	**7.5**	--	2 U	--	--	--	--
Building C-23 and C-23 Annex	RISB-32	RISB-32-GW	3/22/2019	N	ShallowInvest-PhaseI	--	--	--	--	**7.3**	--	2 U	--	--	--	--
Building C-23 and C-23 Annex	RISB-38	RISB-38-GW	3/13/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex	RISB-39	RISB-39-GW	4/9/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex	RISB-40	RISB-40-GW	4/1/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-47	RISB-47-GW	4/5/2019	N	ShallowInvest-PhaseI	--	--	--	--	**2.9**	--	2 U	--	2 U	--	--
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-48	RISB-48-GW	4/5/2019	N	ShallowInvest-PhaseI	--	--	--	--	**1.9**	--	**2.6**	--	**2.6**	--	--
Building C-23 and C-23 Annex	RISB-51	RISB-51-GW	3/19/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-52	RISB-52-GW	3/22/2019	N	ShallowInvest-PhaseI	**20**	**300**	**21,000**	**3,200**	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-60	RISB-60-GW	8/27/2019	N	Investigation-PhaseII	**30**	150 U	**7,600**	**2.400**	--	--	--	--	--	--	--
Building C-23 and C-23 Annex	RISB-61	RISB-61-GW	8/28/2019	N	Investigation-PhaseII	**30**	150 U	**10,000**	**8,400**	--	--	--	--	--	--	--

Table 17
Building C-23 – Detected Constituents in Groundwater
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Analyte Group:						Conventionals				Metals						
Fraction:						N	N	N	N	D	T	D	T	D	T	D
Analyte:						Methane	Nitrogen, Nitrate (as N)	Sulfate	Total Organic Carbon	Arsenic	Arsenic	Chromium, Total	Chromium, Total	Chromium, Trivalent	Chromium, Trivalent	Copper
Detects:						Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
pCUL:							10,000			13.6	13.6	50	50			
Units:						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**											
Building C-23 and C-23 Annex	RISB-61	DUP-GW-190828	8/28/2019	FD	Investigation-PhaseII	**30**	150 U	**10,000**	**8,600**	--	--	--	--	--	--	--
Building C-23 and C-23 Annex	RISB-62	RISB-62-GW	8/28/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex	RISB-63	RISB-63-GW	8/28/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-78	RISB-78-GW-221129	11/29/2022	N	PhaseIII	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex	RISB-203	RISB-203-GW-250129	1/29/2025	N	TECT AO RI	--	--	--	--	**23**	**25**	2 U	**26**	--	--	2 U
Building C-23 and C-23 Annex	RISB-204	RISB-204-GW-250129	1/29/2025	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--

Table 17
Building C-23 – Detected Constituents in Groundwater
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

						Analyte Group:	Metals						SVOCs					
						Fraction:	T	D	T	D	T	T	N	N	N	N	N	N
						Analyte:	Copper	Lead	Lead	Nickel	Nickel	Zinc	1,4-Dioxane	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Dibenzo(a,h)anthracene	Indeno(1,2,3-cd)pyrene
						Detects:		Y	Y			Y	Y	Y	Y	Y	Y	Y
						pCUL:		15	15				0.44					
						Units:		µg/L	µg/L			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**													
Building C-23 and C-23 Annex	RIGW-102	DUP-1-20240814	8/14/2024	FD	TECT AO RI		--	1 U	1 U	--	--	--	**0.40**	--	--	--	--	--
Building C-23 and C-23 Annex	RIGW-102	RIGW-102-20240814	8/14/2024	N	TECT AO RI		--	1 U	1 U	--	--	--	**0.41**	--	--	--	--	--
Building C-23 and C-23 Annex	RIGW-102	RIGW-102-241107	11/7/2024	N	TECT AO RI		--	1 U	1 U	--	--	--	0.4 U	--	--	--	--	--
Building C-23 and C-23 Annex	RIGW-102	DUP-1-241107	11/7/2024	FD	TECT AO RI		--	1 U	1 U	--	--	--	0.4 U	--	--	--	--	--
Building C-23 and C-23 Annex	RISB-104	RISB-104-GW	5/20/2024	N	TECT AO RI		--	--	--	--	--	--	**0.084**	**0.093**	**0.048**	**0.055**	**0.16**	**0.14**
Building C-23 and C-23 Annex	RISB-107	RISB-107-GW	5/28/2024	N	TECT AO RI		--	--	--	--	--	--	**1.1**	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Building C-23 and C-23 Annex	RISB-108	RISB-108-GW	5/31/2024	N	TECT AO RI		--	--	--	--	--	--	**0.11**	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Building C-23 and C-23 Annex	RISB-109	RISB-DUP-GW-1	5/23/2024	FD	TECT AO RI		--	--	**2.1**	--	--	**23 J**	**0.32 J**	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Building C-23 and C-23 Annex	RISB-109	RISB-109-GW	5/23/2024	N	TECT AO RI		--	--	**1.4**	--	--	**15 J**	**0.26 J**	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Building C-23 and C-23 Annex	RISB-115	RISB-115-GW	5/23/2024	N	TECT AO RI		--	--	--	--	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-14	DUP-GW-190401	4/1/2019	FD	ShallowInvest-PhaseI		--	--	--	--	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-14	RISB-14-GW	4/1/2019	N	ShallowInvest-PhaseI		--	--	--	--	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-15	RISB-15-GW	3/21/2019	N	ShallowInvest-PhaseI		--	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex	RISB-29	RISB-29-GW	3/19/2019	N	ShallowInvest-PhaseI		--	1 U	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-30	RISB-30-GW	3/22/2019	N	ShallowInvest-PhaseI		--	1 U	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-31	RISB-31-GW	4/9/2019	N	ShallowInvest-PhaseI		--	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex	RISB-32	DUP-GW-190322	3/22/2019	FD	ShallowInvest-PhaseI		--	1 U	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex	RISB-32	RISB-32-GW	3/22/2019	N	ShallowInvest-PhaseI		--	1 U	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex	RISB-38	RISB-38-GW	3/13/2019	N	ShallowInvest-PhaseI		--	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex	RISB-39	RISB-39-GW	4/9/2019	N	ShallowInvest-PhaseI		--	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex	RISB-40	RISB-40-GW	4/1/2019	N	ShallowInvest-PhaseI		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-47	RISB-47-GW	4/5/2019	N	ShallowInvest-PhaseI		--	1 U	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-48	RISB-48-GW	4/5/2019	N	ShallowInvest-PhaseI		--	1 U	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex	RISB-51	RISB-51-GW	3/19/2019	N	ShallowInvest-PhaseI		--	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-52	RISB-52-GW	3/22/2019	N	ShallowInvest-PhaseI		--	--	--	--	--	--	--	--	--	--	--	--
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-60	RISB-60-GW	8/27/2019	N	Investigation-PhaseII		--	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex	RISB-61	RISB-61-GW	8/28/2019	N	Investigation-PhaseII		--	--	--	--	--	--	--	--	--	--	--	--

Table 17
Building C-23 – Detected Constituents in Groundwater
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Analyte Group:						Metals						SVOCs					
Fraction:						T	D	T	D	T	T	N	N	N	N	N	N
Analyte:						Copper	Lead	Lead	Nickel	Nickel	Zinc	1,4-Dioxane	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Dibenzo(a,h)anthracene	Indeno(1,2,3-cd)pyrene
Detects:							Y	Y			Y	Y	Y	Y	Y	Y	Y
pCUL:							15	15				0.44					
Units:							µg/L	µg/L			µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**												
Building C-23 and C-23 Annex	RISB-61	DUP-GW-190828	8/28/2019	FD	Investigation-PhaseII	--	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex	RISB-62	RISB-62-GW	8/28/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex	RISB-63	RISB-63-GW	8/28/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-78	RISB-78-GW-221129	11/29/2022	N	PhaseIII	--	--	--	--	--	--	0.4 U	--	--	--	--	--
Building C-23 and C-23 Annex	RISB-203	RISB-203-GW-250129	1/29/2025	N	TECT AO RI	**16**	1 U	**3.4**	**4.9**	**25**	--	**0.044 J**	0.02 U	0.02 U	0.02 U	0.02 U	**0.026**
Building C-23 and C-23 Annex	RISB-204	RISB-204-GW-250129	1/29/2025	N	TECT AO RI	--	--	--	--	--	--	**0.92**	--	--	--	--	--

Table 17
Building C-23 – Detected Constituents in Groundwater
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

						TPH			TPH with SGC		VOCs					
					Fraction:	N	N	N	N	N	N	N	N	N	N	N
					Analyte:	Petroleum Hydrocarbons GRO C5-C12	Petroleum Hydrocarbons DRO C12-C24	Petroleum Hydrocarbons ORO C24-C40	Petroleum Hydrocarbons DRO C12-C24	Petroleum Hydrocarbons ORO C24-C40	1,1-Dichloroethene	1,2-Dibromoethane (EDB)	1,2-Dichloroethane	Acetone	Benzene	Chloroform
					Detects:	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
					pCUL:	800	500	500	500	500	7.0		0.48		1.6	
					Units:	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**											
Building C-23 and C-23 Annex	RIGW-102	DUP-1-20240814	8/14/2024	FD	TECT AO RI	50 U	--	--	--	--	**3.0**	0.01 U	0.02 U	25 U	0.5 U	0.5 U
Building C-23 and C-23 Annex	RIGW-102	RIGW-102-20240814	8/14/2024	N	TECT AO RI	50 U	--	--	--	--	**3.5**	0.01 U	**0.20**	25 U	0.5 U	0.5 U
Building C-23 and C-23 Annex	RIGW-102	RIGW-102-241107	11/7/2024	N	TECT AO RI	--	--	50 U	--	--	**2.7**	0.01 U	0.02 U	25 U	0.5 U	0.5 U
Building C-23 and C-23 Annex	RIGW-102	DUP-1-241107	11/7/2024	FD	TECT AO RI	--	--	50 U	--	--	**2.8**	0.01 U	0.02 U	25 U	0.5 U	0.5 U
Building C-23 and C-23 Annex	RISB-104	RISB-104-GW	5/20/2024	N	TECT AO RI	--	**1,500 Z**	**980 Z**	**250 Z**	**250 U**	2 U	0.01 U	0.02 U	25 U	0.5 U	0.5 U
Building C-23 and C-23 Annex	RISB-107	RISB-107-GW	5/28/2024	N	TECT AO RI	--	**1,100 Z**	**620 Z**	**200 Z**	250 U	**9.9**	0.01 U	0.02 U	25 U	0.5 U	0.5 U
Building C-23 and C-23 Annex	RISB-108	RISB-108-GW	5/31/2024	N	TECT AO RI	--	**340 Z**	**310 Z**	130 U	250 U	2 U	0.01 U	0.02 U	25 U	0.5 U	0.5 U
Building C-23 and C-23 Annex	RISB-109	RISB-DUP-GW-1	5/23/2024	FD	TECT AO RI	50 U	**330 Z**	250 U	130 U	250 U	2 U	0.01 U	0.02 U	25 U	**0.64 J**	0.5 U
Building C-23 and C-23 Annex	RISB-109	RISB-109-GW	5/23/2024	N	TECT AO RI	50 U	**360 Z**	250 U	130 U	250 U	2 U	0.01 U	0.02 U	25 U	**0.74**	0.5 U
Building C-23 and C-23 Annex	RISB-115	RISB-115-GW	5/23/2024	N	TECT AO RI	--	--	--	--	--	2 U	0.01 U	0.02 U	25 U	0.5 U	0.5 U
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-14	DUP-GW-190401	4/1/2019	FD	ShallowInvest-PhaseI	--	--	--	--	--	2 U	0.01 U	0.02 U	25 U	0.5 U	0.5 U
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-14	RISB-14-GW	4/1/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	2 U	0.01 U	0.02 U	25 U	0.5 U	0.5 U
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-15	RISB-15-GW	3/21/2019	N	ShallowInvest-PhaseI	--	**250 J**	**410 J**	--	--	**2.2**	0.01 U	0.02 U	25 U	0.5 U	0.5 U
Building C-23 and C-23 Annex	RISB-29	RISB-29-GW	3/19/2019	N	ShallowInvest-PhaseI	--	130 U	**2,100**	--	--	2 U	0.01 U	0.02 U	25 U	0.5 U	0.5 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-30	RISB-30-GW	3/22/2019	N	ShallowInvest-PhaseI	--	**270**	250 U	--	--	2 U	0.01 U	0.02 U	25 U	0.5 U	0.5 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-31	RISB-31-GW	4/9/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	2 U	0.01 U	0.02 U	25 U	0.5 U	0.5 U
Building C-23 and C-23 Annex	RISB-32	DUP-GW-190322	3/22/2019	FD	ShallowInvest-PhaseI	--	130 U	250 U	--	--	2 U	0.01 U	**0.068**	25 U	0.5 U	0.5 U
Building C-23 and C-23 Annex	RISB-32	RISB-32-GW	3/22/2019	N	ShallowInvest-PhaseI	--	**130**	250 U	--	--	2 U	0.01 U	**0.070**	25 U	0.5 U	0.5 U
Building C-23 and C-23 Annex	RISB-38	RISB-38-GW	3/13/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	2 U	0.01 U	0.02 U	25 U	0.5 U	0.5 U
Building C-23 and C-23 Annex	RISB-39	RISB-39-GW	4/9/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	2 U	0.01 U	0.02 U	25 U	0.5 U	0.5 U
Building C-23 and C-23 Annex	RISB-40	RISB-40-GW	4/1/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	2 U	0.01 U	0.02 U	**200**	0.5 U	**0.64**
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-47	RISB-47-GW	4/5/2019	N	ShallowInvest-PhaseI	**69**	**460**	**380**	--	--	**67**	0.01 U	0.02 U	25 U	**2.0**	0.5 U
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-48	RISB-48-GW	4/5/2019	N	ShallowInvest-PhaseI	50 U	**3,400**	**6,500**	--	--	**23**	0.01 U	**130**	25 U	**4.0**	0.5 U
Building C-23 and C-23 Annex	RISB-51	RISB-51-GW	3/19/2019	N	ShallowInvest-PhaseI	--	**1,100**	**910**	--	--	2 U	0.01 U	0.02 U	25 U	0.5 U	0.5 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-52	RISB-52-GW	3/22/2019	N	ShallowInvest-PhaseI	--	**220**	**350**	--	--	2 U	0.01 U	0.02 U	25 U	**0.66**	0.5 U
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-60	RISB-60-GW	8/27/2019	N	Investigation-PhaseII	--	--	--	--	--	2 U	**0.018**	**0.27**	25 U	0.5 U	0.5 U
Building C-23 and C-23 Annex	RISB-61	RISB-61-GW	8/28/2019	N	Investigation-PhaseII	50 U	**430**	250 U	--	--	2 U	0.01 U	0.02 U	25 U	0.5 U	0.5 U

Table 17
Building C-23 – Detected Constituents in Groundwater
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Analyte Group:						TPH			TPH with SGC		VOCs					
Fraction:						N	N	N	N	N	N	N	N	N	N	N
Analyte:						Petroleum Hydrocarbons GRO C5-C12	Petroleum Hydrocarbons DRO C12-C24	Petroleum Hydrocarbons ORO C24-C40	Petroleum Hydrocarbons DRO C12-C24	Petroleum Hydrocarbons ORO C24-C40	1,1-Dichloroethene	1,2-Dibromoethane (EDB)	1,2-Dichloroethane	Acetone	Benzene	Chloroform
Detects:						Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
pCUL:						800	500	500	500	500	7.0	0.48	1.6			
Units:						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**											
Building C-23 and C-23 Annex	RISB-61	DUP-GW-190828	8/28/2019	FD	Investigation-PhaseII	50 U	**440**	250 U	--	--	2 U	0.01 U	0.02 U	25 U	0.5 U	0.5 U
Building C-23 and C-23 Annex	RISB-62	RISB-62-GW	8/28/2019	N	Investigation-PhaseII	--	130 U	250 U	--	--	2 U	0.01 U	0.02 U	25 U	0.5 U	0.5 U
Building C-23 and C-23 Annex	RISB-63	RISB-63-GW	8/28/2019	N	Investigation-PhaseII	--	--	--	--	--	2 U	**0.022**	0.02 U	25 U	0.5 U	0.5 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-78	RISB-78-GW-221129	11/29/2022	N	PhaseIII	--	--	--	--	--	2 U	0.01 U	0.02 U	25 U	0.5 U	0.5 U
Building C-23 and C-23 Annex	RISB-203	RISB-203-GW-250129	1/29/2025	N	TECT AO RI	50 U	**2,100**	**1,300**	**520**	**260**	2 U	0.01 U	2 U	25 U	2 U	2 U
Building C-23 and C-23 Annex	RISB-204	RISB-204-GW-250129	1/29/2025	N	TECT AO RI	--	--	--	--	--	2 U	0.01 U	2 U	25 U	2 U	2 U

Table 17
Building C-23 – Detected Constituents in Groundwater
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

					Analyte Group:	**VOCs**								
					Fraction:	N	N	N	N	N	N	N	N	
					Analyte:	cis-1,2-Dichloroethene	Methyl Ethyl Ketone	Naphthalene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride	
					Detects:	Y	Y	Y	Y	Y	Y	Y	Y	
					pCUL:	15			5.0		73	2.3	0.10	
					Units:	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**									
Building C-23 and C-23 Annex	RIGW-102	DUP-1-20240814	8/14/2024	FD	TECT AO RI	**740 J**	10 U	2 U	2 U	2 U	**320 J**	**120**	**19**	
Building C-23 and C-23 Annex	RIGW-102	RIGW-102-20240814	8/14/2024	N	TECT AO RI	**1,000 J**	10 U	2 U	2 U	2 U	**490 J**	**120**	**23**	
Building C-23 and C-23 Annex	RIGW-102	RIGW-102-241107	11/7/2024	N	TECT AO RI	**710**	10 U	2 U	2 U	2 U	**330**	**92**	**18**	
Building C-23 and C-23 Annex	RIGW-102	DUP-1-241107	11/7/2024	FD	TECT AO RI	**670**	10 U	2 U	2 U	2 U	**290**	**74**	**19**	
Building C-23 and C-23 Annex	RISB-104	RISB-104-GW	5/20/2024	N	TECT AO RI	2 U	10 U	**2 U** **0.10**	2 U	2 U	2 U	0.5 U	0.02 U	
Building C-23 and C-23 Annex	RISB-107	RISB-107-GW	5/28/2024	N	TECT AO RI	**1,700**	10 U	2 U 0.02 U	2 U	2 U	**11**	**68**	**130**	
Building C-23 and C-23 Annex	RISB-108	RISB-108-GW	5/31/2024	N	TECT AO RI	**35**	10 U	2 U 0.02 U	2 U	2 U	**25**	**38**	**0.61**	
Building C-23 and C-23 Annex	RISB-109	RISB-DUP-GW-1	5/23/2024	FD	TECT AO RI	2 U	10 U	**2 U** **0.10 J**	2 U	2 U	2 U	0.5 U	0.02 U	
Building C-23 and C-23 Annex	RISB-109	RISB-109-GW	5/23/2024	N	TECT AO RI	2 U	10 U	**2 U** **0.12 J**	2 U	2 U	2 U	0.5 U	0.02 U	
Building C-23 and C-23 Annex	RISB-115	RISB-115-GW	5/23/2024	N	TECT AO RI	2 U	2 U	2 U	2 U	2 U	2 U	0.5 U	0.02 U	
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-14	DUP-GW-190401	4/1/2019	FD	ShallowInvest-PhaseI	2 U	10 U	2 U	2 U	2 U	2 U	**2.7**	0.02 U	
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-14	RISB-14-GW	4/1/2019	N	ShallowInvest-PhaseI	2 U	10 U	2 U	2 U	2 U	2 U	**2.6**	0.02 U	
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-15	RISB-15-GW	3/21/2019	N	ShallowInvest-PhaseI	**71**	10 U	2 U	2 U	2 U	2 U	**2,000**	**0.79**	
Building C-23 and C-23 Annex	RISB-29	RISB-29-GW	3/19/2019	N	ShallowInvest-PhaseI	**140**	10 U	2 U	2 U	2 U	**39**	**110**	**1.6**	
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-30	RISB-30-GW	3/22/2019	N	ShallowInvest-PhaseI	**2.7**	10 U	2 U	2 U	2 U	2 U	0.5 U	**0.19**	
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-31	RISB-31-GW	4/9/2019	N	ShallowInvest-PhaseI	2 U	10 U	2 U	2 U	2 U	2 U	0.5 U	**0.089**	
Building C-23 and C-23 Annex	RISB-32	DUP-GW-190322	3/22/2019	FD	ShallowInvest-PhaseI	2 U	10 U	2 U	2 U	2 U	2 U	0.5 U	**0.095**	
Building C-23 and C-23 Annex	RISB-32	RISB-32-GW	3/22/2019	N	ShallowInvest-PhaseI	2 U	10 U	2 U	2 U	2 U	2 U	**0.87**	**0.099**	
Building C-23 and C-23 Annex	RISB-38	RISB-38-GW	3/13/2019	N	ShallowInvest-PhaseI	2 U	10 U	2 U	2 U	2 U	2 U	**0.79**	0.02 U	
Building C-23 and C-23 Annex	RISB-39	RISB-39-GW	4/9/2019	N	ShallowInvest-PhaseI	2 U	10 U	2 U	2 U	2 U	2 U	0.5 U	0.02 U	
Building C-23 and C-23 Annex	RISB-40	RISB-40-GW	4/1/2019	N	ShallowInvest-PhaseI	2 U	**28**	2 U	2 U	2 U	2 U	0.5 U	0.02 U	
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-47	RISB-47-GW	4/5/2019	N	ShallowInvest-PhaseI	**2,200**	10 U	2 U	**5.5**	**12**	**320**	**24,000**	**52**	
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-48	RISB-48-GW	4/5/2019	N	ShallowInvest-PhaseI	**3,600**	10 U	2 U	2 U	2 U	**560**	**2,300**	**480**	
Building C-23 and C-23 Annex	RISB-51	RISB-51-GW	3/19/2019	N	ShallowInvest-PhaseI	**390**	10 U	2 U	2 U	2 U	**55**	**20**	**8.4**	
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-52	RISB-52-GW	3/22/2019	N	ShallowInvest-PhaseI	**81**	10 U	2 U	2 U	2 U	**28**	**85**	**4.4**	
Building C-20, C-21, C-22 Complex; Building C-23 and C-23 Annex	RISB-60	RISB-60-GW	8/27/2019	N	Investigation-PhaseII	**4.5**	10 U	2 U	2 U	2 U	2 U	**14**	**1.6**	
Building C-23 and C-23 Annex	RISB-61	RISB-61-GW	8/28/2019	N	Investigation-PhaseII	2 U	10 U	2 U	2 U	2 U	2 U	0.5 U	**0.31**	

Table 17
Building C-23 – Detected Constituents in Groundwater
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

					Analyte Group:	VOCs							
					Fraction:	N	N	N	N	N	N	N	N
					Analyte:	cis-1,2-Dichloroethene	Methyl Ethyl Ketone	Naphthalene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride
					Detects:	Y	Y	Y	Y	Y	Y	Y	Y
					pCUL:	15			5.0		73	2.3	0.10
					Units:	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**								
Building C-23 and C-23 Annex	RISB-61	DUP-GW-190828	8/28/2019	FD	Investigation-PhaseII	2 U	10 U	2 U	2 U	2 U	2 U	0.5 U	**0.29**
Building C-23 and C-23 Annex	RISB-62	RISB-62-GW	8/28/2019	N	Investigation-PhaseII	2 U	10 U	2 U	2 U	2 U	2 U	0.5 U	0.02 U
Building C-23 and C-23 Annex	RISB-63	RISB-63-GW	8/28/2019	N	Investigation-PhaseII	2 U	10 U	2 U	2 U	2 U	2 U	0.5 U	0.02 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-78	RISB-78-GW-221129	11/29/2022	N	PhaseIII	2 U	10 U	2 U	2 U	2 U	2 U	0.5 U	0.02 U
Building C-23 and C-23 Annex	RISB-203	RISB-203-GW-250129	1/29/2025	N	TECT AO RI	2 U	10 U	2 U	2 U	2 U	2 U	2 U	0.2 U
Building C-23 and C-23 Annex	RISB-204	RISB-204-GW-250129	1/29/2025	N	TECT AO RI	**17**	10 U	2 U	2 U	2 U	2 U	2 U	**0.74**

Notes:

Bold text indicates detected analyte**.**

Blue shading = exceeds project SL

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

J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

Z = See laboratory report for hydrocarbon identification

Abbreviations and Acronyms:

-- = not analyzed
AO = Agreed Order
FD = field duplicate sample
ID = identification
µg/L = micrograms per liter
N = primary sample
pCUL = preliminary cleanup level
RI = remedial investigation
SGC = silica-gel cleanup
SL = screening level
SVOC = semivolatile organic compound
TPH = total petroleum hydrocarbons
VOC = volatile organic compound

Fraction

D = dissolved
T = total
N = normal (for non metals, fraction doesn't apply)

Table 18
Building C-23 – Detected Constituents in Soil Gas
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Analyte:						1,1,1-Trichloroethane	1,1-Dichloroethane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	1,3-Butadiene	2,2,4-Trimethylpentane	2-Hexanone	4-Ethyltoluene	4-Methyl-2-pentanone	Acetone	Benzene	Carbon Disulfide	Carbon Tetrachloride	Chloroform	cis-1,2-Dichloroethene
Screening Level:							240									50				
Units:						µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**															
Building C-23 and C-23 Annex	LAI-01	LAI-1_20170503	5/3/2017	N	PhaseII	5.6 U	4.1 U	5 U	5 U	2.2 U	4.8 U	17 U	5 U	4.2 U	**27**	3.2 U	13 U	6.4 U	5 U	4 U
Building C-23 and C-23 Annex	LAI-03a	LAI-3_20170502	5/2/2017	N	PhaseII	5.6 U	4.1 U	5 U	5 U	2.2 U	4.8 U	17 U	5 U	4.2 U	**26**	3.2 U	13 U	6.4 U	5 U	4 U
Building C-23 and C-23 Annex	LAI-05	LAI-5_20170502	5/2/2017	N	PhaseII	5.8 U	4.3 U	5.2 U	5.2 U	**150**	**5.1**	17 U	5.2 U	4.3 U	**57**	**30**	**13**	6.7 U	5.2 U	4.2 U
Building C-23 and C-23 Annex	LAI-07	LAI-7_20170503	5/3/2017	N	PhaseII	7 U	5.2 U	6.3 U	6.3 U	2.8 U	**7.6**	21 U	6.3 U	5.2 U	**180**	**14**	**17**	8 U	6.2 U	**16**
Building C-23 and C-23 Annex	LAI-13	LAI-13_20171004	10/4/2017	N	PhaseII	26 U	20 U	24 U	24 U	11 U	23 U	99 U	24 U	20 U	57 U	15 U	75 U	30 U	24 U	**59**
Building C-23 and C-23 Annex	LAI-14	LAI-14_20171004	10/4/2017	N	PhaseII	2.6 U	2 U	**33**	**10**	**3.2**	2.3 U	9.9 U	**22**	**28**	**200**	**7.0**	7.5 U	**7.8**	**16**	1.9 U
Building C-23 and C-23 Annex	LAI-15	LAI-15_20171004	10/4/2017	N	PhaseII	2.5 U	1.9 U	**7.0**	2.3 U	1 U	2.2 U	9.5 U	**5.8**	**5.5**	**140**	**11**	7.2 U	2.9 U	**23**	1.8 U
Building C-23 and C-23 Annex	LAI-16	LAI-16_20171004	10/4/2017	N	PhaseII	2.4 U	1.8 U	**5.6**	2.2 U	**70**	2.1 U	**70**	**5.7**	**880**	**730**	**73**	**170**	2.8 U	**34**	1.8 U
Building C-23 and C-23 Annex	LAI-23	LAI-23_20171006	10/6/2017	N	PhaseII	10 U	**64**	9.3 U	9.3 U	**31**	8.9 U	39 U	9.3 U	7.8 U	**150**	**46**	30 U	12 U	9.3 U	**85**
Building C-23 and C-23 Annex	LAI-28	LAI-28_20171006	10/6/2017	N	PhaseII	2.6 U	1.9 U	2.3 U	2.3 U	**6.1**	**29**	9.7 U	2.3 U	**6.8**	**540**	**12**	**53**	3 U	**7.2**	**9.3**
Building C-23 and C-23 Annex	RISG-206	RISG-206-20240807	8/7/2024	N	TECT AO RI	1.1 U	1.8 U	--	--	--	--	--	--	--	--	**18**	--	--	--	**52**
Building C-23 and C-23 Annex	RISG-207	RISG-207-20240807	8/7/2024	N	TECT AO RI	1.1 U	1.9 U	--	--	--	--	--	--	--	--	**8.5**	--	--	--	**4,900**
Building C-23 and C-23 Annex	RISG-208	RISG-208-20240807	8/7/2024	N	TECT AO RI	1.2 U	1.9 U	--	--	--	--	--	--	--	--	**1.7**	--	--	--	**15**
Building C-23 and C-23 Annex	RISG-35	RISG-35-190409	4/9/2019	N	ShallowInvest-PhaseI	2.2 U	2.1 U	--	--	--	--	--	--	--	--	2.1 U	--	--	--	--
Building C-23 and C-23 Annex	RISG-36	RISG-36-190409	4/9/2019	N	ShallowInvest-PhaseI	2.1 U	2 U	--	--	--	--	--	--	--	--	2 U	--	--	--	--
Building C-23 and C-23 Annex	RISG-37	RISG-37-190409	4/9/2019	N	ShallowInvest-PhaseI	**3.4**	2.2 U	--	--	--	--	--	--	--	--	2.2 U	--	--	--	--

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Table 18
Building C-23 – Detected Constituents in Soil Gas
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Analyte:						Cyclohexane	Ethanol	Ethylbenzene	Helium	Isopropanol	m-&p-Xylenes	Methyl Ethyl Ketone	n-Heptane	n-Hexane	o-Xylene	Tetrachloroethene	Tetrahydrofuran	Toluene	Trichloroethene	Vinyl Chloride
Screening Level:																1,500			95	44
Units:						µg/m^3	µg/m^3	µg/m^3	%	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**															
Building C-23 and C-23 Annex	LAI-01	LAI-1_20170503	5/3/2017	N	PhaseII	3.5 U	**7.9**	4.4 U	**0.35**	10 U	4.4 U	12 U	4.2 U	3.6 U	4.4 U	6.9 U	3 U	3.8 U	5.5 U	2.6 U
Building C-23 and C-23 Annex	LAI-03a	LAI-3_20170502	5/2/2017	N	PhaseII	3.5 U	**26**	4.4 U	**0.26**	10 U	4.4 U	12 U	4.2 U	3.6 U	4.4 U	6.9 U	3 U	**8.0**	5.5 U	2.6 U
Building C-23 and C-23 Annex	LAI-05	LAI-5_20170502	5/2/2017	N	PhaseII	**16**	8 U	4.6 U	0.11 U	10 U	**7.0**	**13**	**20**	**47**	4.6 U	7.2 U	3.1 U	**30**	5.7 U	2.7 U
Building C-23 and C-23 Annex	LAI-07	LAI-7_20170503	5/3/2017	N	PhaseII	**28**	**25**	5.6 U	0.13 U	12 U	5.6 U	**45**	**28**	**57**	5.6 U	8.7 U	3.8 U	**21**	6.9 U	**240**
Building C-23 and C-23 Annex	LAI-13	LAI-13_20171004	10/4/2017	N	PhaseII	17 U	**200**	21 U	0.12 U	59 U	21 U	71 U	20 U	17 U	21 U	33 U	14 U	18 U	**15,000**	12 U
Building C-23 and C-23 Annex	LAI-14	LAI-14_20171004	10/4/2017	N	PhaseII	**12**	**340**	2.1 U	0.12 U	**62**	**21**	**110**	**13**	**15**	**8.0**	3.3 U	**16**	**18**	**1,200**	1.2 U
Building C-23 and C-23 Annex	LAI-15	LAI-15_20171004	10/4/2017	N	PhaseII	**8.8**	**480**	2 U	0.12 U	**41**	**9.4**	**71**	**10**	**16**	2 U	**18**	**13**	**16**	**9.0**	1.2 U
Building C-23 and C-23 Annex	LAI-16	LAI-16_20171004	10/4/2017	N	PhaseII	**34**	**360**	**5.9**	0.11 U	**180**	**16**	**520**	**62**	**92**	**5.4**	**36**	**17**	**60**	**41**	1.1 U
Building C-23 and C-23 Annex	LAI-23	LAI-23_20171006	10/6/2017	N	PhaseII	**200**	**530**	8.2 U	0.12 U	23 U	8.2 U	28 U	**110**	**250**	8.2 U	13 U	5.6 U	**18**	**30**	**4,200**
Building C-23 and C-23 Annex	LAI-28	LAI-28_20171006	10/6/2017	N	PhaseII	**120**	**530**	2.1 U	0.12 U	**43**	**7.7**	**150**	**80**	**160**	2.1 U	3.2 U	1.4 U	**35**	2.6 U	**69**
Building C-23 and C-23 Annex	RISG-206	RISG-206-20240807	8/7/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	1.1 U	--	--	1.2 U	**710**
Building C-23 and C-23 Annex	RISG-207	RISG-207-20240807	8/7/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	1.2 U	--	--	**130**	**6,300**
Building C-23 and C-23 Annex	RISG-208	RISG-208-20240807	8/7/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	**12**	--	--	**1,000**	2.3 U
Building C-23 and C-23 Annex	RISG-35	RISG-35-190409	4/9/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	--	**3.8**	--	--	**2.2**	2.2 U
Building C-23 and C-23 Annex	RISG-36	RISG-36-190409	4/9/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	--	2.1 U	--	--	**2.8**	**23**
Building C-23 and C-23 Annex	RISG-37	RISG-37-190409	4/9/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	--	2.2 U	--	--	**360**	2.2 U

Notes:

Bold text indicates detected analyte.

Blue shading = exceeds project SL

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

Abbreviations and Acronyms:

-- = not analyzed

AO = Agreed Order

ID = identification

µg/m^3 = micrograms per cubic meter

N = primary sample

RI = remedial investigation

SL = screening level

Table 19
Former Building C-29 / Former East Fuel Farm – Detected Constituents
in Soil Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Analyte Group:						Paine Soil Metals							
Analyte:						Arsenic	Barium	Chromium, Total	Chromium, Trivalent	Lead	Mercury	Nickel	Zinc
Detect:						Y	Y	Y	Y	Y	Y	Y	Y
pCUL								2,000					
Units:						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**								
C-29/Former East Fuel Farm	B14	B14-15.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B14	B14-22.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B14	B14-3.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B14	B14-6.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B14	B14-6-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B14	B14-SO-6-20001017	10/17/2000	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B14	B14-SO-6-20001017-SP	10/17/2000	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B15	B15-10.5-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B15	B15-12.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B15	B15-15-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B15	B15-17.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B15	B15-20.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B15	B15-3.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B15	B15-5.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B17	B17-11.5-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B17	B17-13.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B17	B17-15.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B17	B17-17.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B17	B17-20.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B17	B17-27.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B17	B17-3.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B17	B17-37.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B17	B17-6.5-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B18	B18-11.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B18	B18-13.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B18	B18-17.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B18	B18-22.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B18	B18-27.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B18	B18-3.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B18	B18-6.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B18	B18-8.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B18	B18-8-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B19	B19-11.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--

Table 19
Former Building C-29 / Former East Fuel Farm – Detected Constituents
in Soil Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Analyte Group:						Paine Soil Metals							
Analyte:						Arsenic	Barium	Chromium, Total	Chromium, Trivalent	Lead	Mercury	Nickel	Zinc
Detect:						Y	Y	Y	Y	Y	Y	Y	Y
pCUL								2,000					
Units:						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**								
C-29/Former East Fuel Farm	B19	B19-13.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B19	B19-16.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B19	B19-17.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B19	B19-20.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B19	B19-22.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B19	B19-25.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B19	B19-3.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B19	B19-6.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B19	B19-8.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B22	B22-10.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B22	B22-3.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B22	B22-6.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B22	B22-7.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B22	B22-SO-6.25-20001017	10/17/2000	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B22	B22-SO-6.25-20001017_FD-SP	10/17/2000	FD		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B22	B22-SO-6.25-20001017-SP	10/17/2000	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-B3	C29-B3-SO-10-19960423	4/23/1996	N		--	--	**23**	--	--	--	--	--
C-29/Former East Fuel Farm	C29-B3	C29-B3-SO-1-19960423	4/23/1996	N		--	--	**25**	--	--	--	--	--
C-29/Former East Fuel Farm	C29-B3	C29-B3-SO-15-19960423	4/23/1996	N		--	--	**18**	--	--	--	--	--
C-29/Former East Fuel Farm	C29-B3	C29-B3-SO-7.5-19960423	4/23/1996	N		--	--	**23**	--	--	--	--	--
C-29/Former East Fuel Farm	C29-B4	C29-B4-SO-1-19960423	4/23/1996	N		--	--	**19**	--	--	--	--	--
C-29/Former East Fuel Farm	C29-B4	C29-B4-SO-15-19960423	4/23/1996	N		--	--	**19**	--	--	--	--	--
C-29/Former East Fuel Farm	C29-B4	C29-B4-SO-2.5-19960423	4/23/1996	N		--	--	**18**	--	--	--	--	--
C-29/Former East Fuel Farm	C29-B4	C29-B4-SO-7.5-19960423	4/23/1996	N		--	--	**18**	--	--	--	--	--
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-SO-12.5-19960419	4/19/1996	N		--	--	**19**	--	--	--	--	--
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-SO-15-19960419	4/19/1996	N		--	--	**19**	--	--	--	--	--
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-SO-2.5-19960419	4/19/1996	N		--	--	**21**	--	--	--	--	--
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-SO-5-19960419	4/19/1996	N		--	--	**15**	--	--	--	--	--
C-29/Former East Fuel Farm	C29-MW2	C29-MW2-SO-10-19960419	4/19/1996	N		--	--	**17**	--	--	--	--	--
C-29/Former East Fuel Farm	C29-MW2	C29-MW2-SO-15-19960419	4/19/1996	N		--	--	**18**	--	--	--	--	--
C-29/Former East Fuel Farm	C29-MW2	C29-MW2-SO-2.5-19960419	4/19/1996	N		--	--	**20**	--	--	--	--	--
C-29/Former East Fuel Farm	C29-MW2	C29-MW2-SO-5-19960419	4/19/1996	N		--	--	**19**	--	--	--	--	--
C-29/Former East Fuel Farm	C29-TP1	C29TP1-SO-1.2-19960411	4/11/1996	N		--	--	**24**	--	--	--	--	--

Table 19
Former Building C-29 / Former East Fuel Farm – Detected Constituents in Soil Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Analyte Group:						Paine Soil Metals							
Analyte:						Arsenic	Barium	Chromium, Total	Chromium, Trivalent	Lead	Mercury	Nickel	Zinc
Detect:						Y	Y	Y	Y	Y	Y	Y	Y
pCUL								2,000					
Units:						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**								
C-29/Former East Fuel Farm	C29-TP1	C29TP1-SO-2-19960411	4/11/1996	N		--	--	**23**	--	--	--	--	--
C-29/Former East Fuel Farm	C29-TP2	C29TP2-SO-1.6-19960411	4/11/1996	N		--	--	**19**	--	--	--	--	--
C-29/Former East Fuel Farm	C29-TP2	C29TP2-SO-3.5-19960411	4/11/1996	N		--	--	**14**	--	--	--	--	--
C-29/Former East Fuel Farm	C29-TP3	C29TP3-SO-0.4-19960411	4/11/1996	N		--	--	**16**	--	--	--	--	--
C-29/Former East Fuel Farm	C29-TP3	C29TP3-SO-2-19960411	4/11/1996	N		--	--	**15**	--	--	--	--	--
C-29/Former East Fuel Farm	C29-TP4	C29TP4-SO-0.8-19960411	4/11/1996	N		--	--	**18**	--	--	--	--	--
C-29/Former East Fuel Farm	C29-TP4	C29TP4-SO-1.8-19960411	4/11/1996	N		--	--	**13**	--	--	--	--	--
C-29/Former East Fuel Farm	C29-TP5A	C29TP5A-SO-0.5-19960411	4/11/1996	N		--	--	**760**	--	--	--	--	--
C-29/Former East Fuel Farm	C29-TP5A	C29TP5A-SO-2.6-19960411	4/11/1996	N		--	--	**16**	--	--	--	--	--
C-29/Former East Fuel Farm	C29-TP6	C29TP6-SO-1.2-19960411	4/11/1996	N		--	--	**20**	--	--	--	--	--
C-29/Former East Fuel Farm	C29-TP7	C29TP7-SO-1.4-19960411	4/11/1996	N		--	--	**15**	--	--	--	--	--
C-29/Former East Fuel Farm	C29-TP8	C29TP8-SO-1-19960411	4/11/1996	N		--	--	**25**	--	--	--	--	--
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW2-SO-117-20001212	12/12/2000	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW2-SO-17-20001212	12/12/2000	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW2-SO-27-20001212	12/12/2000	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW2-SO-37-20001212	12/12/2000	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW2-SO-47-20001212	12/12/2000	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW2-SO-57-20001212	12/12/2000	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW2-SO-7-20001212	12/12/2000	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW2-SO-98.5-20001212	12/12/2000	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW1	B16-10-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW1	B16-12.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW1	B16-23.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW1	B16-3.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW1	B16-6.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW2	B20-10.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW2	B20-12.5-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW2	B20-16.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW2	B20-17.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW2	B20-22.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW2	B20-3.5-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW2	B20-5.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW2	B20-7.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--

Table 19
Former Building C-29 / Former East Fuel Farm – Detected Constituents in Soil Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Analyte Group:						Paine Soil Metals							
Analyte:						Arsenic	Barium	Chromium, Total	Chromium, Trivalent	Lead	Mercury	Nickel	Zinc
Detect:						Y	Y	Y	Y	Y	Y	Y	Y
pCUL								2,000					
Units:						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**								
C-29/Former East Fuel Farm	MW3	B21-13.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW3	B21-17.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW3	B21-3.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW3	B21-5.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW3	B21-7.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-30	RISB-30-(19-20')	3/22/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-30	RISB-30-(9-10')	3/22/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-31	DUP-SOIL-190322	3/22/2019	FD	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-31	RISB-31-(14-15')	3/22/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-31	RISB-31-(6.5-7.5')	3/22/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-31	RISB-31-(2-3')	3/22/2019	N	ShallowInvest-PhaseI	**3.6**	--	**29**	--	**3.2**	**0.024**	--	--
C-29/Former East Fuel Farm	RISB-41	RISB-41-(1-2')	4/4/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-41	RISB-41-(5.5-6.5')	4/4/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-41	RISB-41-(19-20')	4/4/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-42	RISB-42-(6.5-7.5')	4/3/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-42	RISB-42-(19-20')	4/3/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-42	RISB-42-(11.5-12.5')	4/3/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-43	RISB-43-(3-4')	4/4/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-43	RISB-43-(6-7')	4/4/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-43	RISB-43-(14-15')	4/4/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-44	RISB-44-(10.5-11.5')	4/5/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-44	RISB-44-(5-6')	4/5/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-44	RISB-44-(19-20')	4/5/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-44	DUP-SOIL-190405	4/5/2019	FD	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-45	RISB-45-(1.5-2')	4/4/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-45	RISB-45-(14-15')	4/4/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-45	RISB-45-(34-35')	4/4/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-46	RISB-46-(7.5-8.5')	4/3/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-46	RISB-46-(3-4')	4/3/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-46	RISB-46-(29.5-30.5')	4/3/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-46	RISB-46-(39-40')	4/3/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-47	RISB-47-(6.5-7.5')	4/5/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-47	RISB-47-(27-28')	4/5/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--

Table 19
Former Building C-29 / Former East Fuel Farm – Detected Constituents
in Soil Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Analyte Group:						Paine Soil Metals							
Analyte:						Arsenic	Barium	Chromium, Total	Chromium, Trivalent	Lead	Mercury	Nickel	Zinc
Detect:						Y	Y	Y	Y	Y	Y	Y	Y
pCUL								2,000					
Units:						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**								
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-48	RISB-48-(5.5-6.5')	4/5/2019	N	ShallowInvest-PhaseI	**2.1**	--	**31**	--	**1.7**	0.02 U	--	--
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-48	RISB-48-(9-10')	4/5/2019	N	ShallowInvest-PhaseI	**2.5**	--	**450**	--	**1.8**	0.02 U	--	--
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-48	RISB-48-(14-15')	4/5/2019	N	ShallowInvest-PhaseI	**2.8**	--	**36**	--	**2.2**	0.02 U	--	--
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-52	RISB-52-(19-20')	3/22/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-52	RISB-52-(10.5-11.5')	3/22/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-52	RISB-52-(1.5-2.5')	3/22/2019	N	ShallowInvest-PhaseI	**3.4**	--	**36**	--	**3.4**	0.02 U	--	--
C-29/Former East Fuel Farm	RISB-64	RISB-64-(24-25')	8/30/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-64	RISB-64-(10-11')	8/30/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-65	RISB-65-(5-6')	8/29/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-65	RISB-65-(19-20')	8/29/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-66	DUP-SOIL-190829	8/29/2019	FD	Investigation-PhaseII	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-66	RISB-66-(44-45')	8/29/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-66	RISB-66-(9-10')	8/29/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-67	RISB-67-(54-55')	8/30/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-67	RISB-67-(14-15')	8/30/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-68	RISB-68-(26.5-27.5')	8/28/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-68	RISB-68-(49-50')	8/28/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-74	RISB-74-(7-8')	11/21/2022	N	PhaseIII	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-74	RISB-74-(19-20')	11/21/2022	N	PhaseIII	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-74	RISB-74-(29-30')	11/21/2022	N	PhaseIII	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-75	RISB-75-(7-8')	11/22/2022	N	PhaseIII	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-75	RISB-75-(17-18')	11/22/2022	N	PhaseIII	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-75	RISB-75-(29-30')	11/22/2022	N	PhaseIII	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-76	RISB-76-(9-10')	11/22/2022	N	PhaseIII	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-76	RISB-76-(19-20')	11/22/2022	N	PhaseIII	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-76	RISB-76-(29-30')	11/22/2022	N	PhaseIII	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-77	RISB-77-(9-10')	11/23/2022	N	PhaseIII	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-77	RISB-77-(19-20')	11/23/2022	N	PhaseIII	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-77	RISB-77-(29-30')	11/23/2022	N	PhaseIII	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-78	RISB-78-(9-10')	11/29/2022	N	PhaseIII	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-78	RISB-78-(19-20')	11/29/2022	N	PhaseIII	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-78	RISB-78-(29-30')	11/29/2022	N	PhaseIII	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-79	RISB-79-(9-10')	11/29/2022	N	PhaseIII	--	--	--	--	--	--	--	--

Table 19
Former Building C-29 / Former East Fuel Farm – Detected Constituents
in Soil Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Analyte Group:						Paine Soil Metals							
Analyte:						Arsenic	Barium	Chromium, Total	Chromium, Trivalent	Lead	Mercury	Nickel	Zinc
Detect:						Y	Y	Y	Y	Y	Y	Y	Y
pCUL								2,000					
Units:						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**								
C-29/Former East Fuel Farm	RISB-79	RISB-79-(19-20')	11/29/2022	N	PhaseIII	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-79	RISB-79-(29-30')	11/29/2022	N	PhaseIII	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-80	DUP-SOIL-221108	11/8/2022	N	PhaseIII	**1.7**	--	**29**	--	**1.8**	0.02 U	--	--
C-29/Former East Fuel Farm	RISB-80	RISB-80-(9-10')	11/8/2022	N	PhaseIII	**1.7**	--	**34**	--	**2.0**	**0.022**	--	--
C-29/Former East Fuel Farm	RISB-80	RISB-80-(11-12')	11/8/2022	N	PhaseIII	**2.8**	**68**	**31**	--	**2.3**	**0.023**	**47**	**44**
C-29/Former East Fuel Farm	RISB-80	RISB-80-(24-25')	11/9/2022	N	PhaseIII	**3.9**	--	**34**	--	**2.6**	**0.021**	--	--
C-29/Former East Fuel Farm	RISB-80	RISB-80-(34-35')	11/9/2022	N	PhaseIII	**3.3**	--	**39**	--	**3.2**	**0.027**	--	--
C-29/Former East Fuel Farm	RISB-80	RISB-80-(39-40')	11/9/2022	N	PhaseIII	**2.9**	--	**35**	--	**2.4**	**0.022**	--	--
C-29/Former East Fuel Farm	RISB-111	RISB-111-S-29-30	5/22/2024	N	TECT AO RI	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-111	RISB-111-S-8-9	5/22/2024	N	TECT AO RI	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-112	RISB-112-S-9-10	5/30/2024	N	TECT AO RI	--	--	**17 J**	**17 J**	--	--	--	--
C-29/Former East Fuel Farm	RISB-112	RISB-112-S-29-30	5/30/2024	N	TECT AO RI	--	--	**24**	**24**	--	--	--	--
C-29/Former East Fuel Farm	RISB-112	RISB-112-S-14-15	5/30/2024	N	TECT AO RI	--	--	**30**	**30**	--	--	--	--
C-29/Former East Fuel Farm	RISB-116	RISB-116-S-13-14	5/21/2024	N	TECT AO RI	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-116	RISB-116-S-28-29	5/21/2024	N	TECT AO RI	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-116	RISB-116-S-39-40	5/21/2024	N	TECT AO RI	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-117	RISB-117-S-1-2	5/22/2024	N	TECT AO RI	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-117	RISB-117-S-29-30'	5/22/2024	N	TECT AO RI	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-205	RISB-205-14-20	1/30/2025	N	TECT AO RI	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	TC-2	TC-2-SO-11.5-19961220	12/20/1996	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	TC-2	TC-2-SO-13.5-19961220	12/20/1996	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	TC-2	TC-2-SO-16.5-19961220	12/20/1996	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	TC-2	TC-2-SO-18.5-19961220	12/20/1996	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	TC-2	TC-2-SO-23.5-19961220	12/20/1996	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	TC-2	TC-2-SO-8.5-19961220	12/20/1996	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	TC-3	TC-3-SO-18.5-19961220	12/20/1996	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	TC-3	TC-3-SO-23.5-19961220	12/20/1996	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	TC-3	TC-3-SO-28.5-19961220	12/20/1996	N		--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	TC-3	TC-3-SO-8.5-19961220	12/20/1996	N		--	--	--	--	--	--	--	--

Table 19
Former Building C-29 / Former East Fuel Farm – Detected Constituents in Soil Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Analyte Group:						Paine Soil TPH							Paine Soil VOCs			
Analyte:						Petroleum Hydrocarbons as Gasoline	Petroleum Hydrocarbons GRO C5-C12	Petroleum Hydrocarbons as JP-A	Petroleum Hydrocarbons as Diesel	Petroleum Hydrocarbons DRO C12-C24	Petroleum Hydrocarbons ORO C24-C40	Total Petroleum Hydrocarbons	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichloroethane
Detect:						Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
pCUL						30	100	2,000	2,000	2,000	2,000	2,000	41	46		23
Units:						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**											
C-29/Former East Fuel Farm	B14	B14-15.25-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	B14	B14-22.75-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	B14	B14-3.75-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	B14	B14-6.25-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	B14	B14-6-19940415	4/15/1994	N		--	--	--	--	--	--	**61**	--	--	--	--
C-29/Former East Fuel Farm	B14	B14-SO-6-20001017	10/17/2000	N		**810**	--	**530**	25 U	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B14	B14-SO-6-20001017-SP	10/17/2000	N		**113**	--	**210**	**29**	--	--	**61**	--	--	--	--
C-29/Former East Fuel Farm	B15	B15-10.5-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	B15	B15-12.75-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	B15	B15-15-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	B15	B15-17.75-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	B15	B15-20.25-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	B15	B15-3.25-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	B15	B15-5.25-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	B17	B17-11.5-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	B17	B17-13.25-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	B17	B17-15.75-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	B17	B17-17.75-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	B17	B17-20.25-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	B17	B17-27.75-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	B17	B17-3.75-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	B17	B17-37.75-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	B17	B17-6.5-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	B18	B18-11.25-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	B18	B18-13.25-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	B18	B18-17.75-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	B18	B18-22.75-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	B18	B18-27.75-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	B18	B18-3.75-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	B18	B18-6.25-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	B18	B18-8.75-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	B18	B18-8-19940415	4/15/1994	N		25 U	--	25 U	**33**	--	--	**137**	--	--	--	--
C-29/Former East Fuel Farm	B19	B19-11.25-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--

Table 19
Former Building C-29 / Former East Fuel Farm – Detected Constituents
in Soil Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Analyte Group:						Paine Soil TPH							Paine Soil VOCs			
Analyte:						Petroleum Hydrocarbons as Gasoline	Petroleum Hydrocarbons GRO C5-C12	Petroleum Hydrocarbons as JP-A	Petroleum Hydrocarbons as Diesel	Petroleum Hydrocarbons DRO C12-C24	Petroleum Hydrocarbons ORO C24-C40	Total Petroleum Hydrocarbons	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichloroethane
Detect:						Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
pCUL						30	100	2,000	2,000	2,000	2,000	2,000	41	46		23
Units:						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**											
C-29/Former East Fuel Farm	B19	B19-13.75-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	B19	B19-16.25-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	B19	B19-17.75-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	B19	B19-20.25-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	B19	B19-22.75-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	B19	B19-25.25-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	B19	B19-3.75-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	B19	B19-6.25-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	B19	B19-8.25-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	B22	B22-10.25-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	B22	B22-3.75-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	B22	B22-6.25-19940415	4/15/1994	N		--	--	--	--	--	--	**101**	--	--	--	--
C-29/Former East Fuel Farm	B22	B22-7.75-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	B22	B22-SO-6.25-20001017	10/17/2000	N		**1,300**	--	**880**	25 U	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B22	B22-SO-6.25-20001017_FD-SP	10/17/2000	FD		**376**	--	--	**18**	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B22	B22-SO-6.25-20001017-SP	10/17/2000	N		**470**	--	**460**	**54**	--	--	**101**	--	--	--	--
C-29/Former East Fuel Farm	C29-B3	C29-B3-SO-10-19960423	4/23/1996	N		--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-B3	C29-B3-SO-1-19960423	4/23/1996	N		--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-B3	C29-B3-SO-15-19960423	4/23/1996	N		--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-B3	C29-B3-SO-7.5-19960423	4/23/1996	N		--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-B4	C29-B4-SO-1-19960423	4/23/1996	N		--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-B4	C29-B4-SO-15-19960423	4/23/1996	N		--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-B4	C29-B4-SO-2.5-19960423	4/23/1996	N		--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-B4	C29-B4-SO-7.5-19960423	4/23/1996	N		--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-SO-12.5-19960419	4/19/1996	N		--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-SO-15-19960419	4/19/1996	N		--	--	--	--	--	--	--	--	--	400 U	--
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-SO-2.5-19960419	4/19/1996	N		--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-SO-5-19960419	4/19/1996	N		--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-MW2	C29-MW2-SO-10-19960419	4/19/1996	N		--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-MW2	C29-MW2-SO-15-19960419	4/19/1996	N		--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-MW2	C29-MW2-SO-2.5-19960419	4/19/1996	N		--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-MW2	C29-MW2-SO-5-19960419	4/19/1996	N		--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-TP1	C29TP1-SO-1.2-19960411	4/11/1996	N		--	--	--	--	--	--	--	--	--	--	--

Table 19
Former Building C-29 / Former East Fuel Farm – Detected Constituents
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TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Analyte Group:						Paine Soil TPH							Paine Soil VOCs			
Analyte:						Petroleum Hydrocarbons as Gasoline	Petroleum Hydrocarbons GRO C5-C12	Petroleum Hydrocarbons as JP-A	Petroleum Hydrocarbons as Diesel	Petroleum Hydrocarbons DRO C12-C24	Petroleum Hydrocarbons ORO C24-C40	Total Petroleum Hydrocarbons	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichloroethane
Detect:						Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
pCUL						30	100	2,000	2,000	2,000	2,000	2,000	41	46		23
Units:						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**											
C-29/Former East Fuel Farm	C29-TP1	C29TP1-SO-2-19960411	4/11/1996	N		--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-TP2	C29TP2-SO-1.6-19960411	4/11/1996	N		--	--	--	--	--	--	--	--	--	**14**	--
C-29/Former East Fuel Farm	C29-TP2	C29TP2-SO-3.5-19960411	4/11/1996	N		--	--	--	--	--	--	--	--	--	**0.40**	--
C-29/Former East Fuel Farm	C29-TP3	C29TP3-SO-0.4-19960411	4/11/1996	N		--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-TP3	C29TP3-SO-2-19960411	4/11/1996	N		--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-TP4	C29TP4-SO-0.8-19960411	4/11/1996	N		--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-TP4	C29TP4-SO-1.8-19960411	4/11/1996	N		--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-TP5A	C29TP5A-SO-0.5-19960411	4/11/1996	N		--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-TP5A	C29TP5A-SO-2.6-19960411	4/11/1996	N		--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-TP6	C29TP6-SO-1.2-19960411	4/11/1996	N		--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-TP7	C29TP7-SO-1.4-19960411	4/11/1996	N		--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-TP8	C29TP8-SO-1-19960411	4/11/1996	N		--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW2-SO-117-20001212	12/12/2000	N		--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW2-SO-17-20001212	12/12/2000	N		--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW2-SO-27-20001212	12/12/2000	N		--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW2-SO-37-20001212	12/12/2000	N		--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW2-SO-47-20001212	12/12/2000	N		--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW2-SO-57-20001212	12/12/2000	N		--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW2-SO-7-20001212	12/12/2000	N		--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW2-SO-98.5-20001212	12/12/2000	N		--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW1	B16-10-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	MW1	B16-12.75-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	MW1	B16-23.75-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	MW1	B16-3.75-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	MW1	B16-6.25-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	MW2	B20-10.25-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	MW2	B20-12.5-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	MW2	B20-16.25-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	MW2	B20-17.75-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	MW2	B20-22.75-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	MW2	B20-3.5-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	MW2	B20-5.25-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	MW2	B20-7.75-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--

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TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Analyte Group:						Paine Soil TPH							Paine Soil VOCs			
Analyte:						Petroleum Hydrocarbons as Gasoline	Petroleum Hydrocarbons GRO C5-C12	Petroleum Hydrocarbons as JP-A	Petroleum Hydrocarbons as Diesel	Petroleum Hydrocarbons DRO C12-C24	Petroleum Hydrocarbons ORO C24-C40	Total Petroleum Hydrocarbons	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichloroethane
Detect:						Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
pCUL						30	100	2,000	2,000	2,000	2,000	2,000	41	46		23
Units:						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**											
C-29/Former East Fuel Farm	MW3	B21-13.25-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	MW3	B21-17.75-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	MW3	B21-3.25-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	MW3	B21-5.25-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
C-29/Former East Fuel Farm	MW3	B21-7.25-19940415	4/15/1994	N		--	--	--	--	--	--	ND	--	--	--	--
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-30	RISB-30-(19-20')	3/22/2019	N	ShallowInvest-Phase1	--	--	--	--	--	--	--	1.5 U	1.5 U	10 U	1.5 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-30	RISB-30-(9-10')	3/22/2019	N	ShallowInvest-Phase1	--	--	--	--	--	--	--	1.5 U	1.5 U	10 U	1.5 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-31	DUP-SOIL-190322	3/22/2019	FD	ShallowInvest-Phase1	--	--	--	--	25 U	50 U	--	1.5 U	1.5 U	10 U	1.5 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-31	RISB-31-(14-15')	3/22/2019	N	ShallowInvest-Phase1	--	--	--	--	25 U	50 U	--	1.5 U	1.5 U	10 U	1.5 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-31	RISB-31-(6.5-7.5')	3/22/2019	N	ShallowInvest-Phase1	--	--	--	--	25 U	50 U	--	1.5 U	1.5 U	10 U	1.5 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-31	RISB-31-(2-3')	3/22/2019	N	ShallowInvest-Phase1	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-41	RISB-41-(1-2')	4/4/2019	N	ShallowInvest-Phase1	--	3 U	--	--	25 U	50 U	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-41	RISB-41-(5.5-6.5')	4/4/2019	N	ShallowInvest-Phase1	--	--	--	--	25 U	50 U	--	1.5 U	1.5 U	10 U	1.5 U
C-29/Former East Fuel Farm	RISB-41	RISB-41-(19-20')	4/4/2019	N	ShallowInvest-Phase1	--	--	--	--	--	--	--	1.5 U	1.5 U	10 U	1.5 U
C-29/Former East Fuel Farm	RISB-42	RISB-42-(6.5-7.5')	4/3/2019	N	ShallowInvest-Phase1	--	--	--	--	--	--	--	1.5 U	1.5 U	10 U	1.5 U
C-29/Former East Fuel Farm	RISB-42	RISB-42-(19-20')	4/3/2019	N	ShallowInvest-Phase1	--	--	--	--	--	--	--	1.5 U	1.5 U	10 U	1.5 U
C-29/Former East Fuel Farm	RISB-42	RISB-42-(11.5-12.5')	4/3/2019	N	ShallowInvest-Phase1	--	3 U	--	--	25 U	50 U	--	1.5 U	1.5 U	10 U	1.5 U
C-29/Former East Fuel Farm	RISB-43	RISB-43-(3-4')	4/4/2019	N	ShallowInvest-Phase1	--	3 U	--	--	25 U	50 U	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-43	RISB-43-(6-7')	4/4/2019	N	ShallowInvest-Phase1	--	--	--	--	--	--	--	1.5 U	1.5 U	10 U	1.5 U
C-29/Former East Fuel Farm	RISB-43	RISB-43-(14-15')	4/4/2019	N	ShallowInvest-Phase1	--	--	--	--	--	--	--	1.5 U	1.5 U	10 U	1.5 U
C-29/Former East Fuel Farm	RISB-44	RISB-44-(10.5-11.5')	4/5/2019	N	ShallowInvest-Phase1	--	3 U	--	--	25 U	50 U	--	1.5 U	1.5 U	10 U	**20**
C-29/Former East Fuel Farm	RISB-44	RISB-44-(5-6')	4/5/2019	N	ShallowInvest-Phase1	--	3 U	--	--	25 U	**71**	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-44	RISB-44-(19-20')	4/5/2019	N	ShallowInvest-Phase1	--	--	--	--	25 U	50 U	--	1.5 U	1.5 U	10 U	1.5 U
C-29/Former East Fuel Farm	RISB-44	DUP-SOIL-190405	4/5/2019	FD	ShallowInvest-Phase1	--	3 U	--	--	25 U	50 U	--	1.5 U	**3.1**	10 U	**120**
C-29/Former East Fuel Farm	RISB-45	RISB-45-(1.5-2')	4/4/2019	N	ShallowInvest-Phase1	--	3 U	--	--	25 U	50 U	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-45	RISB-45-(14-15')	4/4/2019	N	ShallowInvest-Phase1	--	**32**	--	--	**120**	**290**	--	**1.5**	1.5 U	10 U	**6.4**
C-29/Former East Fuel Farm	RISB-45	RISB-45-(34-35')	4/4/2019	N	ShallowInvest-Phase1	--	--	--	--	--	--	--	1.5 U	1.5 U	10 U	1.5 U
C-29/Former East Fuel Farm	RISB-46	RISB-46-(7.5-8.5')	4/3/2019	N	ShallowInvest-Phase1	--	--	--	--	--	--	--	1.5 U	1.5 U	10 U	1.5 U
C-29/Former East Fuel Farm	RISB-46	RISB-46-(3-4')	4/3/2019	N	ShallowInvest-Phase1	--	3 U	--	--	25 U	50 U	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-46	RISB-46-(29.5-30.5')	4/3/2019	N	ShallowInvest-Phase1	--	--	--	--	--	--	--	1.5 U	1.5 U	10 U	**1.8**
C-29/Former East Fuel Farm	RISB-46	RISB-46-(39-40')	4/3/2019	N	ShallowInvest-Phase1	--	--	--	--	--	--	--	1.5 U	1.5 U	10 U	1.5 U
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-47	RISB-47-(6.5-7.5')	4/5/2019	N	ShallowInvest-Phase1	--	3 U	--	--	25 U	50 U	--	1.5 U	1.5 U	10 U	1.5 U
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-47	RISB-47-(27-28')	4/5/2019	N	ShallowInvest-Phase1	--	3 U	--	--	25 U	50 U	--	1.5 U	1.5 U	10 U	1.5 U

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TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Analyte Group:						Paine Soil TPH							Paine Soil VOCs			
Analyte:						Petroleum Hydrocarbons as Gasoline	Petroleum Hydrocarbons GRO C5-C12	Petroleum Hydrocarbons as JP-A	Petroleum Hydrocarbons as Diesel	Petroleum Hydrocarbons DRO C12-C24	Petroleum Hydrocarbons ORO C24-C40	Total Petroleum Hydrocarbons	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichloroethane
Detect:						Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
pCUL						30	100	2,000	2,000	2,000	2,000	2,000	41	46		23
Units:						mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**											
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-48	RISB-48-(5.5-6.5')	4/5/2019	N	ShallowInvest-PhaseI	--	3 U	--	--	25 U	50 U	--	1.5 U	1.5 U	10 U	1.5 U
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-48	RISB-48-(9-10')	4/5/2019	N	ShallowInvest-PhaseI	--	3 U	--	--	25 U	50 U	--	1.5 U	1.5 U	10 U	**10**
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-48	RISB-48-(14-15')	4/5/2019	N	ShallowInvest-PhaseI	--	--	--	--	25 U	50 U	--	1.5 U	1.5 U	10 U	1.5 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-52	RISB-52-(19-20')	3/22/2019	N	ShallowInvest-PhaseI	--	--	--	--	25 U	50 U	--	1.5 U	1.5 U	10 U	1.5 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-52	RISB-52-(10.5-11.5')	3/22/2019	N	ShallowInvest-PhaseI	--	--	--	--	25 U	50 U	--	1.5 U	1.5 U	10 U	1.5 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-52	RISB-52-(1.5-2.5')	3/22/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-64	RISB-64-(24-25')	8/30/2019	N	Investigation-PhaseII	--	3 U	--	--	25 U	50 U	--	1.5 U	1.5 U	10 U	1.5 U
C-29/Former East Fuel Farm	RISB-64	RISB-64-(10-11')	8/30/2019	N	Investigation-PhaseII	--	3 U	--	--	25 U	**180**	--	1.5 U	1.5 U	10 U	1.5 U
C-29/Former East Fuel Farm	RISB-65	RISB-65-(5-6')	8/29/2019	N	Investigation-PhaseII	--	3 U	--	--	25 U	50 U	--	1.5 U	1.5 U	10 U	1.5 U
C-29/Former East Fuel Farm	RISB-65	RISB-65-(19-20')	8/29/2019	N	Investigation-PhaseII	--	3 U	--	--	25 U	50 U	--	1.5 U	1.5 U	10 U	1.5 U
C-29/Former East Fuel Farm	RISB-66	DUP-SOIL-190829	8/29/2019	FD	Investigation-PhaseII	--	3 U	--	--	25 U	50 U	--	**2.1**	**2.3**	10 U	1.5 U
C-29/Former East Fuel Farm	RISB-66	RISB-66-(44-45')	8/29/2019	N	Investigation-PhaseII	--	3 U	--	--	25 U	50 U	--	1.5 U	1.5 U	10 U	1.5 U
C-29/Former East Fuel Farm	RISB-66	RISB-66-(9-10')	8/29/2019	N	Investigation-PhaseII	--	3 U	--	--	25 U	50 U	--	**2.8**	**2.8**	10 U	1.5 U
C-29/Former East Fuel Farm	RISB-67	RISB-67-(54-55')	8/30/2019	N	Investigation-PhaseII	--	3 U	--	--	25 U	50 U	--	1.5 U	1.5 U	10 U	1.5 U
C-29/Former East Fuel Farm	RISB-67	RISB-67-(14-15')	8/30/2019	N	Investigation-PhaseII	--	3 U	--	--	25 U	50 U	--	**1.7**	1.5 U	10 U	1.5 U
C-29/Former East Fuel Farm	RISB-68	RISB-68-(26.5-27.5')	8/28/2019	N	Investigation-PhaseII	--	3 U	--	--	25 U	50 U	--	1.5 U	1.5 U	10 U	**2.8**
C-29/Former East Fuel Farm	RISB-68	RISB-68-(49-50')	8/28/2019	N	Investigation-PhaseII	--	3 U	--	--	25 U	50 U	--	1.5 U	1.5 U	10 U	1.5 U
C-29/Former East Fuel Farm	RISB-74	RISB-74-(7-8')	11/21/2022	N	PhaseIII	--	3 U	--	--	25 U	--	--	1.5 U	1.5 U	10 U	1.5 U
C-29/Former East Fuel Farm	RISB-74	RISB-74-(19-20')	11/21/2022	N	PhaseIII	--	3 U	--	--	25 U	--	--	1.5 U	1.5 U	10 U	1.5 U
C-29/Former East Fuel Farm	RISB-74	RISB-74-(29-30')	11/21/2022	N	PhaseIII	--	3 U	--	--	25 U	--	--	1.5 U	1.5 U	10 U	1.5 U
C-29/Former East Fuel Farm	RISB-75	RISB-75-(7-8')	11/22/2022	N	PhaseIII	--	--	--	--	--	--	--	1.5 U	1.5 U	10 U	1.5 U
C-29/Former East Fuel Farm	RISB-75	RISB-75-(17-18')	11/22/2022	N	PhaseIII	--	--	--	--	--	--	--	1.5 U	1.5 U	10 U	1.5 U
C-29/Former East Fuel Farm	RISB-75	RISB-75-(29-30')	11/22/2022	N	PhaseIII	--	--	--	--	--	--	--	1.5 U	1.5 U	10 U	1.5 U
C-29/Former East Fuel Farm	RISB-76	RISB-76-(9-10')	11/22/2022	N	PhaseIII	--	--	--	--	--	--	--	1.5 U	1.5 U	10 U	1.5 U
C-29/Former East Fuel Farm	RISB-76	RISB-76-(19-20')	11/22/2022	N	PhaseIII	--	--	--	--	--	--	--	1.5 U	1.5 U	10 U	**5.9**
C-29/Former East Fuel Farm	RISB-76	RISB-76-(29-30')	11/22/2022	N	PhaseIII	--	--	--	--	--	--	--	1.5 U	1.5 U	10 U	1.5 U
C-29/Former East Fuel Farm	RISB-77	RISB-77-(9-10')	11/23/2022	N	PhaseIII	--	--	--	--	--	--	--	1.5 U	1.5 U	10 U	1.5 U
C-29/Former East Fuel Farm	RISB-77	RISB-77-(19-20')	11/23/2022	N	PhaseIII	--	--	--	--	--	--	--	1.5 U	1.5 U	10 U	1.5 U
C-29/Former East Fuel Farm	RISB-77	RISB-77-(29-30')	11/23/2022	N	PhaseIII	--	--	--	--	--	--	--	1.5 U	1.5 U	10 U	1.5 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-78	RISB-78-(9-10')	11/29/2022	N	PhaseIII	--	--	--	--	--	--	--	1.5 U	1.5 U	10 U	1.5 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-78	RISB-78-(19-20')	11/29/2022	N	PhaseIII	--	--	--	--	--	--	--	1.5 U	1.5 U	10 U	1.5 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-78	RISB-78-(29-30')	11/29/2022	N	PhaseIII	--	--	--	--	--	--	--	1.5 UJ	1.5 UJ	10 UJ	1.5 UJ
C-29/Former East Fuel Farm	RISB-79	RISB-79-(9-10')	11/29/2022	N	PhaseIII	--	--	--	--	--	--	--	1.5 U	1.5 U	10 U	1.5 U

Table 19
Former Building C-29 / Former East Fuel Farm – Detected Constituents in Soil Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

					Analyte Group:	Paine Soil TPH							Paine Soil VOCs			
					Analyte:	Petroleum Hydrocarbons as Gasoline	Petroleum Hydrocarbons GRO C5-C12	Petroleum Hydrocarbons as JP-A	Petroleum Hydrocarbons as Diesel	Petroleum Hydrocarbons DRO C12-C24	Petroleum Hydrocarbons ORO C24-C40	Total Petroleum Hydrocarbons	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichloroethane
					Detect:	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
					pCUL	30	100	2,000	2,000	2,000	2,000	2,000	41	46		23
					Units:	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**											
C-29/Former East Fuel Farm	RISB-79	RISB-79-(19-20')	11/29/2022	N	PhaseIII	--	--	--	--	--	--	--	1.5 U	1.5 U	10 U	1.5 U
C-29/Former East Fuel Farm	RISB-79	RISB-79-(29-30')	11/29/2022	N	PhaseIII	--	--	--	--	--	--	--	1.5 U	1.5 U	10 U	1.5 U
C-29/Former East Fuel Farm	RISB-80	DUP-SOIL-221108	11/8/2022	N	PhaseIII	--	3 U	--	--	25 U	--	--	1.5 U	1.5 U	10 U	**4.0 J**
C-29/Former East Fuel Farm	RISB-80	RISB-80-(9-10')	11/8/2022	N	PhaseIII	--	3 U	--	--	25 U	--	--	1.5 U	1.5 U	10 U	**7.1 J**
C-29/Former East Fuel Farm	RISB-80	RISB-80-(11-12')	11/8/2022	N	PhaseIII	--	3 U	--	--	25 U	--	--	1.5 U	**6.5**	10 U	**150**
C-29/Former East Fuel Farm	RISB-80	RISB-80-(24-25')	11/9/2022	N	PhaseIII	--	3 U	--	--	25 U	--	--	1.5 U	1.5 U	10 U	1.5 U
C-29/Former East Fuel Farm	RISB-80	RISB-80-(34-35')	11/9/2022	N	PhaseIII	--	3 U	--	--	25 U	--	--	1.5 U	1.5 U	10 U	1.5 U
C-29/Former East Fuel Farm	RISB-80	RISB-80-(39-40')	11/9/2022	N	PhaseIII	--	3 U	--	--	25 U	--	--	1.5 U	1.5 U	10 U	1.5 U
C-29/Former East Fuel Farm	RISB-111	RISB-111-S-29-30	5/22/2024	N	TECT AO RI	--	--	--	--	--	--	--	**2.4**	**2.8**	10 U	1.5 U
C-29/Former East Fuel Farm	RISB-111	RISB-111-S-8-9	5/22/2024	N	TECT AO RI	--	--	--	--	--	--	--	1.5 U	1.5 U	10 U	1.5 U
C-29/Former East Fuel Farm	RISB-112	RISB-112-S-9-10	5/30/2024	N	TECT AO RI	--	--	--	--	--	--	--	1.5 U	1.5 U	10 U	1.5 U
C-29/Former East Fuel Farm	RISB-112	RISB-112-S-29-30	5/30/2024	N	TECT AO RI	--	--	--	--	--	--	--	1.5 U	1.5 U	10 U	1.5 U
C-29/Former East Fuel Farm	RISB-112	RISB-112-S-14-15	5/30/2024	N	TECT AO RI	--	--	--	--	--	--	--	1.5 U	**8.1**	10 U	**3.7**
C-29/Former East Fuel Farm	RISB-116	RISB-116-S-13-14	5/21/2024	N	TECT AO RI	--	--	--	--	--	--	--	1.5 U	1.5 U	10 U	1.5 U
C-29/Former East Fuel Farm	RISB-116	RISB-116-S-28-29	5/21/2024	N	TECT AO RI	--	--	--	--	--	--	--	1.5 U	1.5 U	10 U	1.5 U
C-29/Former East Fuel Farm	RISB-116	RISB-116-S-39-40	5/21/2024	N	TECT AO RI	--	--	--	--	--	--	--	1.5 U	1.5 U	10 U	1.5 U
C-29/Former East Fuel Farm	RISB-117	RISB-117-S-1-2	5/22/2024	N	TECT AO RI	--	--	--	--	--	--	--	1.5 U	1.5 U	10 U	1.5 U
C-29/Former East Fuel Farm	RISB-117	RISB-117-S-29-30'	5/22/2024	N	TECT AO RI	--	--	--	--	--	--	--	1.5 U	1.5 U	10 U	1.5 U
C-29/Former East Fuel Farm	RISB-205	RISB-205-14-20	1/30/2025	N	TECT AO RI	--	--	--	--	--	--	--		1.5 U	10 U	1.5 U
C-29/Former East Fuel Farm	TC-2	TC-2-SO-11.5-19961220	12/20/1996	N		--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	TC-2	TC-2-SO-13.5-19961220	12/20/1996	N		--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	TC-2	TC-2-SO-16.5-19961220	12/20/1996	N		--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	TC-2	TC-2-SO-18.5-19961220	12/20/1996	N		--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	TC-2	TC-2-SO-23.5-19961220	12/20/1996	N		--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	TC-2	TC-2-SO-8.5-19961220	12/20/1996	N		--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	TC-3	TC-3-SO-18.5-19961220	12/20/1996	N		--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	TC-3	TC-3-SO-23.5-19961220	12/20/1996	N		--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	TC-3	TC-3-SO-28.5-19961220	12/20/1996	N		--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	TC-3	TC-3-SO-8.5-19961220	12/20/1996	N		--	--	--	--	--	--	--	--	--	--	--

Table 19
Former Building C-29 / Former East Fuel Farm – Detected Constituents in Soil Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

					Analyte Group:	Paine Soil VOCs											
					Analyte:	1,2-Dichloropropane	1,3,5-Trimethylbenzene	4-Isopropyltoluene	Acetone	Benzene	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	m-&p-Xylenes	Methylene Chloride	n-Propylbenzene	o-Xylene
					Detect:	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
					pCUL					27	79	5,900					
					Units:	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg		µg/kg	µg/kg	µg/kg	µg/kg
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**												
C-29/Former East Fuel Farm	B14	B14-15.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B14	B14-22.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B14	B14-3.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B14	B14-6.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B14	B14-6-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B14	B14-SO-6-20001017	10/17/2000	N		--	--	--	--	**25**	--	**580**	--	--	--	--	--
C-29/Former East Fuel Farm	B14	B14-SO-6-20001017-SP	10/17/2000	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B15	B15-10.5-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B15	B15-12.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B15	B15-15-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B15	B15-17.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B15	B15-20.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B15	B15-3.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B15	B15-5.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B17	B17-11.5-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B17	B17-13.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B17	B17-15.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B17	B17-17.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B17	B17-20.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B17	B17-27.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B17	B17-3.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B17	B17-37.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B17	B17-6.5-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B18	B18-11.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B18	B18-13.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B18	B18-17.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B18	B18-22.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B18	B18-27.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B18	B18-3.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B18	B18-6.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B18	B18-8.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B18	B18-8-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B19	B19-11.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--

Table 19
Former Building C-29 / Former East Fuel Farm – Detected Constituents in Soil Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Analyte Group:						Paine Soil VOCs											
Analyte:						1,2-Dichloropropane	1,3,5-Trimethylbenzene	4-Isopropyltoluene	Acetone	Benzene	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	m-&p-Xylenes	Methylene Chloride	n-Propylbenzene	o-Xylene
Detect:						Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
pCUL										27	79	5,900					
Units:						µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg		µg/kg	µg/kg	µg/kg	µg/kg
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**												
C-29/Former East Fuel Farm	B19	B19-13.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B19	B19-16.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B19	B19-17.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B19	B19-20.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B19	B19-22.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B19	B19-25.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B19	B19-3.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B19	B19-6.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B19	B19-8.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B22	B22-10.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B22	B22-3.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B22	B22-6.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B22	B22-7.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B22	B22-SO-6.25-20001017	10/17/2000	N		--	--	--	--	**25**	--	**780**	--	--	--	--	--
C-29/Former East Fuel Farm	B22	B22-SO-6.25-20001017_FD-SP	10/17/2000	FD		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B22	B22-SO-6.25-20001017-SP	10/17/2000	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-B3	C29-B3-SO-10-19960423	4/23/1996	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-B3	C29-B3-SO-1-19960423	4/23/1996	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-B3	C29-B3-SO-15-19960423	4/23/1996	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-B3	C29-B3-SO-7.5-19960423	4/23/1996	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-B4	C29-B4-SO-1-19960423	4/23/1996	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-B4	C29-B4-SO-15-19960423	4/23/1996	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-B4	C29-B4-SO-2.5-19960423	4/23/1996	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-B4	C29-B4-SO-7.5-19960423	4/23/1996	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-SO-12.5-19960419	4/19/1996	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-SO-15-19960419	4/19/1996	N		--	400 U	400 U	--	--	400 U	400 U	400 U	400 U	--	400 U	400 U
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-SO-2.5-19960419	4/19/1996	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-SO-5-19960419	4/19/1996	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-MW2	C29-MW2-SO-10-19960419	4/19/1996	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-MW2	C29-MW2-SO-15-19960419	4/19/1996	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-MW2	C29-MW2-SO-2.5-19960419	4/19/1996	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-MW2	C29-MW2-SO-5-19960419	4/19/1996	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-TP1	C29TP1-SO-1.2-19960411	4/11/1996	N		--	--	--	--	--	--	--	--	--	--	--	--

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Former Building C-29 / Former East Fuel Farm – Detected Constituents in Soil Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Analyte Group:						Paine Soil VOCs											
Analyte:						1,2-Dichloropropane	1,3,5-Trimethylbenzene	4-Isopropyltoluene	Acetone	Benzene	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	m-&p-Xylenes	Methylene Chloride	n-Propylbenzene	o-Xylene
Detect:						Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
pCUL										27	79	5,900					
Units:						µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg		µg/kg	µg/kg	µg/kg	µg/kg
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**												
C-29/Former East Fuel Farm	C29-TP1	C29TP1-SO-2-19960411	4/11/1996	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-TP2	C29TP2-SO-1.6-19960411	4/11/1996	N		--	**6**	**0.84**	--	--	**0.3**	**0.47**	**0.69**	**4.3**	--	**0.91**	**1.7**
C-29/Former East Fuel Farm	C29-TP2	C29TP2-SO-3.5-19960411	4/11/1996	N		--	0.2 U	0.2 U	--	--	**3.9**	0.2 U	0.2 U	**0.48**	--	0.2 U	0.2 U
C-29/Former East Fuel Farm	C29-TP3	C29TP3-SO-0.4-19960411	4/11/1996	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-TP3	C29TP3-SO-2-19960411	4/11/1996	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-TP4	C29TP4-SO-0.8-19960411	4/11/1996	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-TP4	C29TP4-SO-1.8-19960411	4/11/1996	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-TP5A	C29TP5A-SO-0.5-19960411	4/11/1996	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-TP5A	C29TP5A-SO-2.6-19960411	4/11/1996	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-TP6	C29TP6-SO-1.2-19960411	4/11/1996	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-TP7	C29TP7-SO-1.4-19960411	4/11/1996	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-TP8	C29TP8-SO-1-19960411	4/11/1996	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW2-SO-117-20001212	12/12/2000	N		--	--	--	--	--	10 U	--	--	--	--	--	--
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW2-SO-17-20001212	12/12/2000	N		--	--	--	--	--	**87**	--	--	--	--	--	--
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW2-SO-27-20001212	12/12/2000	N		--	--	--	--	--	**200**	--	--	--	--	--	--
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW2-SO-37-20001212	12/12/2000	N		--	--	--	--	--	10 U	--	--	--	--	--	--
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW2-SO-47-20001212	12/12/2000	N		--	--	--	--	--	10 U	--	--	--	--	--	--
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW2-SO-57-20001212	12/12/2000	N		--	--	--	--	--	10 U	--	--	--	--	--	--
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW2-SO-7-20001212	12/12/2000	N		--	--	--	--	--	**46**	--	--	--	--	--	--
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW2-SO-98.5-20001212	12/12/2000	N		--	--	--	--	--	10 U	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW1	B16-10-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW1	B16-12.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW1	B16-23.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW1	B16-3.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW1	B16-6.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW2	B20-10.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW2	B20-12.5-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW2	B20-16.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW2	B20-17.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW2	B20-22.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW2	B20-3.5-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW2	B20-5.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW2	B20-7.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--

Table 19
Former Building C-29 / Former East Fuel Farm – Detected Constituents in Soil Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Analyte Group:						Paine Soil VOCs											
Analyte:						1,2-Dichloropropane	1,3,5-Trimethylbenzene	4-Isopropyltoluene	Acetone	Benzene	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	m-&p-Xylenes	Methylene Chloride	n-Propylbenzene	o-Xylene
Detect:						Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
pCUL										27	79	5,900					
Units:						µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg		µg/kg	µg/kg	µg/kg	µg/kg
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**												
C-29/Former East Fuel Farm	MW3	B21-13.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW3	B21-17.75-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW3	B21-3.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW3	B21-5.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW3	B21-7.25-19940415	4/15/1994	N		--	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-30	RISB-30-(19-20')	3/22/2019	N	ShallowInvest-Phase1	1.5 U	10 U	--	50 U	1.5 U	1.5 U	10 U	10 U	--	1.8 U	10 U	--
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-30	RISB-30-(9-10')	3/22/2019	N	ShallowInvest-Phase1	1.5 U	10 U	--	50 U	1.5 U	1.5 U	10 U	10 U	--	1.5 U	10 U	--
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-31	DUP-SOIL-190322	3/22/2019	FD	ShallowInvest-Phase1	1.5 U	10 U	--	50 U	1.5 U	1.5 U	10 U	10 U	--	1.6 U	10 U	--
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-31	RISB-31-(14-15')	3/22/2019	N	ShallowInvest-Phase1	1.5 U	10 U	--	50 U	1.5 U	1.5 U	10 U	10 U	--	1.6 U	10 U	--
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-31	RISB-31-(6.5-7.5')	3/22/2019	N	ShallowInvest-Phase1	1.5 U	10 U	--	50 U	1.5 U	1.5 U	10 U	10 U	--	1.7 U	10 U	--
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-31	RISB-31-(2-3')	3/22/2019	N	ShallowInvest-Phase1	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-41	RISB-41-(1-2')	4/4/2019	N	ShallowInvest-Phase1	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-41	RISB-41-(5.5-6.5')	4/4/2019	N	ShallowInvest-Phase1	1.5 U	10 U	--	50 U	1.5 U	1.5 U	10 U	10 U	--	1.8 U	10 U	--
C-29/Former East Fuel Farm	RISB-41	RISB-41-(19-20')	4/4/2019	N	ShallowInvest-Phase1	1.5 U	10 U	--	50 U	1.5 U	1.5 U	10 U	10 U	--	1.5 U	10 U	--
C-29/Former East Fuel Farm	RISB-42	RISB-42-(6.5-7.5')	4/3/2019	N	ShallowInvest-Phase1	1.5 U	10 U	--	50 U	1.5 U	**34**	10 U	10 U	--	1.5 U	10 U	--
C-29/Former East Fuel Farm	RISB-42	RISB-42-(19-20')	4/3/2019	N	ShallowInvest-Phase1	1.5 U	10 U	--	50 U	1.5 U	1.5 U	10 U	10 U	--	1.5 U	10 U	--
C-29/Former East Fuel Farm	RISB-42	RISB-42-(11.5-12.5')	4/3/2019	N	ShallowInvest-Phase1	1.5 U	10 U	--	50 U	**2.0**	**820**	10 U	10 U	--	1.7 U	10 U	--
C-29/Former East Fuel Farm	RISB-43	RISB-43-(3-4')	4/4/2019	N	ShallowInvest-Phase1	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-43	RISB-43-(6-7')	4/4/2019	N	ShallowInvest-Phase1	1.5 U	10 U	--	50 U	1.5 U	1.5 U	10 U	10 U	--	1.9 U	10 U	--
C-29/Former East Fuel Farm	RISB-43	RISB-43-(14-15')	4/4/2019	N	ShallowInvest-Phase1	1.5 U	10 U	--	50 U	1.5 U	1.5 U	10 U	10 U	--	1.5 U	10 U	--
C-29/Former East Fuel Farm	RISB-44	RISB-44-(10.5-11.5')	4/5/2019	N	ShallowInvest-Phase1	1.5 U	10 U	--	50 U	1.5 U	**1,400**	10 U	10 U	--	1.5 U	10 U	--
C-29/Former East Fuel Farm	RISB-44	RISB-44-(5-6')	4/5/2019	N	ShallowInvest-Phase1	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-44	RISB-44-(19-20')	4/5/2019	N	ShallowInvest-Phase1	1.5 U	10 U	--	50 U	1.5 U	**13**	10 U	10 U	--	1.8 U	10 U	--
C-29/Former East Fuel Farm	RISB-44	DUP-SOIL-190405	4/5/2019	FD	ShallowInvest-Phase1	1.5 U	10 U	--	50 U	1.5 U	**1,000**	10 U	10 U	--	1.5 U	10 U	--
C-29/Former East Fuel Farm	RISB-45	RISB-45-(1.5-2')	4/4/2019	N	ShallowInvest-Phase1	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-45	RISB-45-(14-15')	4/4/2019	N	ShallowInvest-Phase1	**1.5**	10 U	--	50 U	1.5 U	**26**	10 U	10 U	--	1.7 U	10 U	--
C-29/Former East Fuel Farm	RISB-45	RISB-45-(34-35')	4/4/2019	N	ShallowInvest-Phase1	1.5 U	10 U	--	50 U	1.5 U	1.5 U	10 U	10 U	--	1.6 U	10 U	--
C-29/Former East Fuel Farm	RISB-46	RISB-46-(7.5-8.5')	4/3/2019	N	ShallowInvest-Phase1	1.5 U	10 U	--	50 U	1.5 U	**460**	10 U	10 U	--	1.5 U	10 U	--
C-29/Former East Fuel Farm	RISB-46	RISB-46-(3-4')	4/3/2019	N	ShallowInvest-Phase1	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-46	RISB-46-(29.5-30.5')	4/3/2019	N	ShallowInvest-Phase1	1.5 U	10 U	--	50 U	1.5 U	**22**	10 U	10 U	--	1.7 U	10 U	--
C-29/Former East Fuel Farm	RISB-46	RISB-46-(39-40')	4/3/2019	N	ShallowInvest-Phase1	1.5 U	10 U	--	50 U	1.5 U	1.5 U	10 U	10 U	--	1.5 U	10 U	--
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-47	RISB-47-(6.5-7.5')	4/5/2019	N	ShallowInvest-Phase1	1.5 U	10 U	--	50 U	1.5 U	**630**	10 U	10 U	--	1.5 U	10 U	--
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-47	RISB-47-(27-28')	4/5/2019	N	ShallowInvest-Phase1	1.5 U	10 U	--	50 U	1.5 U	1.5 U	10 U	10 U	--	1.5 U	10 U	--

Table 19
Former Building C-29 / Former East Fuel Farm – Detected Constituents in Soil Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Analyte Group:						Paine Soil VOCs											
Analyte:						1,2-Dichloropropane	1,3,5-Trimethylbenzene	4-Isopropyltoluene	Acetone	Benzene	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	m-&p-Xylenes	Methylene Chloride	n-Propylbenzene	o-Xylene
Detect:						Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
pCUL										27	79	5,900					
Units:						µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg		µg/kg	µg/kg	µg/kg	µg/kg
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**												
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-48	RISB-48-(5.5-6.5')	4/5/2019	N	ShallowInvest-PhaseI	1.5 U	10 U	--	50 U	1.5 U	**1,000**	10 U	10 U	--	2.2 U	10 U	--
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-48	RISB-48-(9-10')	4/5/2019	N	ShallowInvest-PhaseI	1.5 U	10 U	--	50 U	1.5 U	**690**	10 U	10 U	--	1.5 U	10 U	--
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-48	RISB-48-(14-15')	4/5/2019	N	ShallowInvest-PhaseI	1.5 U	10 U	--	50 U	1.5 U	1.5 U	10 U	10 U	--	**4.3**	10 U	--
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-52	RISB-52-(19-20')	3/22/2019	N	ShallowInvest-PhaseI	1.5 U	10 U	--	50 U	1.5 U	1.5 U	10 U	10 U	--	1.5 U	10 U	--
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-52	RISB-52-(10.5-11.5')	3/22/2019	N	ShallowInvest-PhaseI	1.5 U	10 U	--	50 U	1.5 U	1.5 U	10 U	10 U	--	1.7 U	10 U	--
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-52	RISB-52-(1.5-2.5')	3/22/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-64	RISB-64-(24-25')	8/30/2019	N	Investigation-PhaseII	1.5 U	10 U	--	50 U	1.5 U	1.5 U	10 U	10 U	--	1.5 U	10 U	--
C-29/Former East Fuel Farm	RISB-64	RISB-64-(10-11')	8/30/2019	N	Investigation-PhaseII	1.5 U	10 U	--	50 U	1.5 U	1.5 U	10 U	10 U	--	1.5 U	10 U	--
C-29/Former East Fuel Farm	RISB-65	RISB-65-(5-6')	8/29/2019	N	Investigation-PhaseII	1.5 U	10 U	--	50 U	1.5 U	1.5 U	10 U	10 U	--	2 U	10 U	--
C-29/Former East Fuel Farm	RISB-65	RISB-65-(19-20')	8/29/2019	N	Investigation-PhaseII	1.5 U	10 U	--	50 U	1.5 U	1.5 U	10 U	10 U	--	1.5 U	10 U	--
C-29/Former East Fuel Farm	RISB-66	DUP-SOIL-190829	8/29/2019	FD	Investigation-PhaseII	1.5 U	10 U	--	50 U	1.5 U	**820 J**	10 U	10 U	--	1.5 U	10 U	--
C-29/Former East Fuel Farm	RISB-66	RISB-66-(44-45')	8/29/2019	N	Investigation-PhaseII	1.5 U	10 U	--	50 U	1.5 U	1.5 U	10 U	10 U	--	1.5 U	10 U	--
C-29/Former East Fuel Farm	RISB-66	RISB-66-(9-10')	8/29/2019	N	Investigation-PhaseII	1.5 U	10 U	--	50 U	1.5 U	**480 J**	10 U	10 U	--	1.5 U	10 U	--
C-29/Former East Fuel Farm	RISB-67	RISB-67-(54-55')	8/30/2019	N	Investigation-PhaseII	1.5 U	10 U	--	50 U	1.5 U	**2.7**	10 U	10 U	--	1.5 U	10 U	--
C-29/Former East Fuel Farm	RISB-67	RISB-67-(14-15')	8/30/2019	N	Investigation-PhaseII	1.5 U	10 U	--	50 U	1.5 U	**160**	10 U	10 U	--	1.5 U	10 U	--
C-29/Former East Fuel Farm	RISB-68	RISB-68-(26.5-27.5')	8/28/2019	N	Investigation-PhaseII	1.5 U	10 U	--	50 U	1.5 U	**34 J**	10 U	10 U	--	1.5 U	10 U	--
C-29/Former East Fuel Farm	RISB-68	RISB-68-(49-50')	8/28/2019	N	Investigation-PhaseII	1.5 U	10 U	--	50 U	1.5 U	1.5 U	10 U	10 U	--	1.5 U	10 U	--
C-29/Former East Fuel Farm	RISB-74	RISB-74-(7-8')	11/21/2022	N	PhaseIII	1.5 U	10 U	--	50 U	1.5 U	1.5 U	10 U	10 U	--	1.6 U	10 U	--
C-29/Former East Fuel Farm	RISB-74	RISB-74-(19-20')	11/21/2022	N	PhaseIII	1.5 U	10 U	--	50 U	1.5 U	1.5 U	10 U	10 U	--	1.5 U	10 U	--
C-29/Former East Fuel Farm	RISB-74	RISB-74-(29-30')	11/21/2022	N	PhaseIII	1.5 U	10 U	--	50 U	1.5 U	1.5 U	10 U	10 U	--	1.5 U	10 U	--
C-29/Former East Fuel Farm	RISB-75	RISB-75-(7-8')	11/22/2022	N	PhaseIII	1.5 U	10 U	--	50 U	1.5 U	1.5 U	10 U	10 U	--	1.5 U	10 U	--
C-29/Former East Fuel Farm	RISB-75	RISB-75-(17-18')	11/22/2022	N	PhaseIII	1.5 U	10 U	--	50 U	1.5 U	1.5 U	10 U	10 U	--	1.5 U	10 U	--
C-29/Former East Fuel Farm	RISB-75	RISB-75-(29-30')	11/22/2022	N	PhaseIII	1.5 U	10 U	--	50 U	1.5 U	1.5 U	10 U	10 U	--	1.5 U	10 U	--
C-29/Former East Fuel Farm	RISB-76	RISB-76-(9-10')	11/22/2022	N	PhaseIII	1.5 U	10 U	--	50 U	1.5 U	**2.2**	10 U	10 U	--	1.5 U	10 U	--
C-29/Former East Fuel Farm	RISB-76	RISB-76-(19-20')	11/22/2022	N	PhaseIII	1.5 U	10 U	--	50 U	1.5 U	**30**	10 U	10 U	--	1.5 U	10 U	--
C-29/Former East Fuel Farm	RISB-76	RISB-76-(29-30')	11/22/2022	N	PhaseIII	1.5 U	10 U	--	50 U	1.5 U	1.5 U	10 U	10 U	--	1.5 U	10 U	--
C-29/Former East Fuel Farm	RISB-77	RISB-77-(9-10')	11/23/2022	N	PhaseIII	1.5 U	10 U	--	50 U	1.5 U	1.5 U	10 U	10 U	--	1.7 U	10 U	--
C-29/Former East Fuel Farm	RISB-77	RISB-77-(19-20')	11/23/2022	N	PhaseIII	1.5 U	10 U	--	50 U	1.5 U	**12**	10 U	10 U	--	1.5 U	10 U	--
C-29/Former East Fuel Farm	RISB-77	RISB-77-(29-30')	11/23/2022	N	PhaseIII	1.5 U	10 U	--	50 U	1.5 U	1.5 U	10 U	10 U	--	1.5 U	10 U	--
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-78	RISB-78-(9-10')	11/29/2022	N	PhaseIII	1.5 U	10 U	--	50 U	1.5 U	1.5 U	10 U	10 U	--	1.6 U	10 U	--
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-78	RISB-78-(19-20')	11/29/2022	N	PhaseIII	1.5 U	10 U	--	50 U	1.5 U	1.5 U	10 U	10 U	--	1.5 U	10 U	--
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-78	RISB-78-(29-30')	11/29/2022	N	PhaseIII	1.5 UJ	10 UJ	--	50 UJ	1.5 UJ	1.5 UJ	10 UJ	10 UJ	--	1.6 UJ	10 UJ	--
C-29/Former East Fuel Farm	RISB-79	RISB-79-(9-10')	11/29/2022	N	PhaseIII	1.5 U	10 U	--	50 U	1.5 U	1.5 U	10 U	10 U	--	1.5 U	10 U	--

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TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Analyte Group:						Paine Soil VOCs											
Analyte:						1,2-Dichloropropane	1,3,5-Trimethylbenzene	4-Isopropyltoluene	Acetone	Benzene	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	m-&p-Xylenes	Methylene Chloride	n-Propylbenzene	o-Xylene
Detect:						Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
pCUL										27	79	5,900					
Units:						µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg		µg/kg	µg/kg	µg/kg	µg/kg
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**												
C-29/Former East Fuel Farm	RISB-79	RISB-79-(19-20')	11/29/2022	N	PhaseIII	1.5 U	10 U	--	50 U	1.5 U	1.5 U	10 U	10 U	--	1.5 U	10 U	--
C-29/Former East Fuel Farm	RISB-79	RISB-79-(29-30')	11/29/2022	N	PhaseIII	1.5 U	10 U	--	50 U	1.5 U	1.5 U	10 U	10 U	--	1.5 U	10 U	--
C-29/Former East Fuel Farm	RISB-80	DUP-SOIL-221108	11/8/2022	N	PhaseIII	1.5 U	10 U	10 U	50 U	1.5 U	**6.9 J**	10 U	10 U	--	1.9 U	10 U	--
C-29/Former East Fuel Farm	RISB-80	RISB-80-(9-10')	11/8/2022	N	PhaseIII	1.5 U	10 U	10 U	50 U	1.5 U	**19 J**	10 U	10 U	--	1.5 U	10 U	--
C-29/Former East Fuel Farm	RISB-80	RISB-80-(11-12')	11/8/2022	N	PhaseIII	1.5 U	10 U	10 U	50 U	1.5 U	**1,200**	10 U	10 U	--	1.5 U	10 U	--
C-29/Former East Fuel Farm	RISB-80	RISB-80-(24-25')	11/9/2022	N	PhaseIII	1.5 U	10 U	10 U	50 U	1.5 U	**5.5**	10 U	10 U	--	1.5 U	10 U	--
C-29/Former East Fuel Farm	RISB-80	RISB-80-(34-35')	11/9/2022	N	PhaseIII	1.5 U	10 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	--	1.5 U	10 U	--
C-29/Former East Fuel Farm	RISB-80	RISB-80-(39-40')	11/9/2022	N	PhaseIII	1.5 U	10 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	--	1.5 U	10 U	--
C-29/Former East Fuel Farm	RISB-111	RISB-111-S-29-30	5/22/2024	N	TECT AO RI	1.5 U	10 U	10 U	50 U	1.5 U	**520**	10 U	10 U	--	**27**	10 U	--
C-29/Former East Fuel Farm	RISB-111	RISB-111-S-8-9	5/22/2024	N	TECT AO RI	1.5 U	10 U	10 U	**78 J**	1.5 U	1.5 U	10 U	10 U	--	**18**	10 U	--
C-29/Former East Fuel Farm	RISB-112	RISB-112-S-9-10	5/30/2024	N	TECT AO RI	1.5 U	10 U	--	50 U	1.5 U	**1,700**	**31**	10 U	--	**7.8**	10 U	--
C-29/Former East Fuel Farm	RISB-112	RISB-112-S-29-30	5/30/2024	N	TECT AO RI	1.5 U	10 U	--	50 U	1.5 U	1.5 U	10 U	10 U	--	**18**	10 U	--
C-29/Former East Fuel Farm	RISB-112	RISB-112-S-14-15	5/30/2024	N	TECT AO RI	1.5 U	10 U	--	50 U	**2.1**	**2,700**	10 U	10 U	--	**18**	10 U	--
C-29/Former East Fuel Farm	RISB-116	RISB-116-S-13-14	5/21/2024	N	TECT AO RI	1.5 U	10 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	--	**16**	10 U	--
C-29/Former East Fuel Farm	RISB-116	RISB-116-S-28-29	5/21/2024	N	TECT AO RI	1.5 U	10 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	--	**12**	10 U	--
C-29/Former East Fuel Farm	RISB-116	RISB-116-S-39-40	5/21/2024	N	TECT AO RI	1.5 U	10 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	--	**12**	10 U	--
C-29/Former East Fuel Farm	RISB-117	RISB-117-S-1-2	5/22/2024	N	TECT AO RI	1.5 U	10 U	10 U	**82 J**	1.5 U	1.5 U	10 U	10 U	--	**18**	10 U	--
C-29/Former East Fuel Farm	RISB-117	RISB-117-S-29-30'	5/22/2024	N	TECT AO RI	1.5 U	10 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	--	**21**	10 U	--
C-29/Former East Fuel Farm	RISB-205	RISB-205-14-20	1/30/2025	N	TECT AO RI	1.5 U	10 U	10 U	50 U	1.5 U	1.5 U	10 U	10 U	--	**5.2 J**	10 U	--
C-29/Former East Fuel Farm	TC-2	TC-2-SO-11.5-19961220	12/20/1996	N		--	--	--	--	--	50 U	--	--	--	--	--	--
C-29/Former East Fuel Farm	TC-2	TC-2-SO-13.5-19961220	12/20/1996	N		--	--	--	--	--	**64.5**	--	--	--	--	--	--
C-29/Former East Fuel Farm	TC-2	TC-2-SO-16.5-19961220	12/20/1996	N		--	--	--	--	--	50 U	--	--	--	--	--	--
C-29/Former East Fuel Farm	TC-2	TC-2-SO-18.5-19961220	12/20/1996	N		--	--	--	--	--	50 U	--	--	--	--	--	--
C-29/Former East Fuel Farm	TC-2	TC-2-SO-23.5-19961220	12/20/1996	N		--	--	--	--	--	50 U	--	--	--	--	--	--
C-29/Former East Fuel Farm	TC-2	TC-2-SO-8.5-19961220	12/20/1996	N		--	--	--	--	--	50 U	--	--	--	--	--	--
C-29/Former East Fuel Farm	TC-3	TC-3-SO-18.5-19961220	12/20/1996	N		--	--	--	--	--	50 U	--	--	--	--	--	--
C-29/Former East Fuel Farm	TC-3	TC-3-SO-23.5-19961220	12/20/1996	N		--	--	--	--	--	50 U	--	--	--	--	--	--
C-29/Former East Fuel Farm	TC-3	TC-3-SO-28.5-19961220	12/20/1996	N		--	--	--	--	--	50 U	--	--	--	--	--	--
C-29/Former East Fuel Farm	TC-3	TC-3-SO-8.5-19961220	12/20/1996	N		--	--	--	--	--	**55.0**	--	--	--	--	--	--

Table 19
Former Building C-29 / Former East Fuel Farm – Detected Constituents in Soil Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Analyte Group:						Paine Soil VOCs						
					Analyte:	sec-Butylbenzene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride	Xylenes, Total
					Detect:	Y	Y	Y	Y	Y	Y	Y
					pCUL		50		520	25	1.7	14,000
					Units:	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**							
C-29/Former East Fuel Farm	B14	B14-15.25-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B14	B14-22.75-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B14	B14-3.75-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B14	B14-6.25-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B14	B14-6-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B14	B14-SO-6-20001017	10/17/2000	N		--	--	25 U	--	--	--	**1,400**
C-29/Former East Fuel Farm	B14	B14-SO-6-20001017-SP	10/17/2000	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B15	B15-10.5-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B15	B15-12.75-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B15	B15-15-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B15	B15-17.75-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B15	B15-20.25-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B15	B15-3.25-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B15	B15-5.25-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B17	B17-11.5-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B17	B17-13.25-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B17	B17-15.75-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B17	B17-17.75-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B17	B17-20.25-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B17	B17-27.75-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B17	B17-3.75-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B17	B17-37.75-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B17	B17-6.5-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B18	B18-11.25-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B18	B18-13.25-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B18	B18-17.75-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B18	B18-22.75-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B18	B18-27.75-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B18	B18-3.75-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B18	B18-6.25-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B18	B18-8.75-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B18	B18-8-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B19	B19-11.25-19940415	4/15/1994	N		--	--	--	--	--	--	--

Table 19
Former Building C-29 / Former East Fuel Farm – Detected Constituents
in Soil Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Analyte Group:						Paine Soil VOCs						
Analyte:						sec-Butylbenzene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride	Xylenes, Total
Detect:						Y	Y	Y	Y	Y	Y	Y
pCUL							50		520	25	1.7	14,000
Units:						µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**							
C-29/Former East Fuel Farm	B19	B19-13.75-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B19	B19-16.25-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B19	B19-17.75-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B19	B19-20.25-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B19	B19-22.75-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B19	B19-25.25-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B19	B19-3.75-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B19	B19-6.25-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B19	B19-8.25-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B22	B22-10.25-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B22	B22-3.75-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B22	B22-6.25-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B22	B22-7.75-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B22	B22-SO-6.25-20001017	10/17/2000	N		--	--	25 U	--	--	--	**1,700**
C-29/Former East Fuel Farm	B22	B22-SO-6.25-20001017_FD-SP	10/17/2000	FD		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	B22	B22-SO-6.25-20001017-SP	10/17/2000	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-B3	C29-B3-SO-10-19960423	4/23/1996	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-B3	C29-B3-SO-1-19960423	4/23/1996	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-B3	C29-B3-SO-15-19960423	4/23/1996	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-B3	C29-B3-SO-7.5-19960423	4/23/1996	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-B4	C29-B4-SO-1-19960423	4/23/1996	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-B4	C29-B4-SO-15-19960423	4/23/1996	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-B4	C29-B4-SO-2.5-19960423	4/23/1996	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-B4	C29-B4-SO-7.5-19960423	4/23/1996	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-SO-12.5-19960419	4/19/1996	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-SO-15-19960419	4/19/1996	N		400 U	--	400 U	--	**17,000**	400 U	--
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-SO-2.5-19960419	4/19/1996	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-SO-5-19960419	4/19/1996	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-MW2	C29-MW2-SO-10-19960419	4/19/1996	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-MW2	C29-MW2-SO-15-19960419	4/19/1996	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-MW2	C29-MW2-SO-2.5-19960419	4/19/1996	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-MW2	C29-MW2-SO-5-19960419	4/19/1996	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-TP1	C29TP1-SO-1.2-19960411	4/11/1996	N		--	--	--	--	--	--	--

Table 19
Former Building C-29 / Former East Fuel Farm – Detected Constituents
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TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Analyte Group:						Paine Soil VOCs						
Analyte:						sec-Butylbenzene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride	Xylenes, Total
Detect:						Y	Y	Y	Y	Y	Y	Y
pCUL							50		520	25	1.7	14,000
Units:						µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**							
C-29/Former East Fuel Farm	C29-TP1	C29TP1-SO-2-19960411	4/11/1996	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-TP2	C29TP2-SO-1.6-19960411	4/11/1996	N		**0.26**	--	**0.45**	--	0.2 U	0.2 U	--
C-29/Former East Fuel Farm	C29-TP2	C29TP2-SO-3.5-19960411	4/11/1996	N		0.2 U	--	**0.32**	--	**0.85**	**0.33**	--
C-29/Former East Fuel Farm	C29-TP3	C29TP3-SO-0.4-19960411	4/11/1996	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-TP3	C29TP3-SO-2-19960411	4/11/1996	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-TP4	C29TP4-SO-0.8-19960411	4/11/1996	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-TP4	C29TP4-SO-1.8-19960411	4/11/1996	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-TP5A	C29TP5A-SO-0.5-19960411	4/11/1996	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-TP5A	C29TP5A-SO-2.6-19960411	4/11/1996	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-TP6	C29TP6-SO-1.2-19960411	4/11/1996	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-TP7	C29TP7-SO-1.4-19960411	4/11/1996	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-TP8	C29TP8-SO-1-19960411	4/11/1996	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW2-SO-117-20001212	12/12/2000	N		--	--	--	10 U	10 U	--	--
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW2-SO-17-20001212	12/12/2000	N		--	--	--	10 U	120 U	--	--
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW2-SO-27-20001212	12/12/2000	N		--	--	--	10 U	**480**	--	--
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW2-SO-37-20001212	12/12/2000	N		--	--	--	10 U	10 U	--	--
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW2-SO-47-20001212	12/12/2000	N		--	--	--	10 U	10 U	--	--
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW2-SO-57-20001212	12/12/2000	N		--	--	--	10 U	10 U	--	--
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW2-SO-7-20001212	12/12/2000	N		--	--	--	**12**	**380**	--	--
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW2-SO-98.5-20001212	12/12/2000	N		--	--	--	10 U	10 U	--	--
C-29/Former East Fuel Farm	MW1	B16-10-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW1	B16-12.75-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW1	B16-23.75-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW1	B16-3.75-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW1	B16-6.25-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW2	B20-10.25-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW2	B20-12.5-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW2	B20-16.25-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW2	B20-17.75-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW2	B20-22.75-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW2	B20-3.5-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW2	B20-5.25-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW2	B20-7.75-19940415	4/15/1994	N		--	--	--	--	--	--	--

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TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Analyte Group:						Paine Soil VOCs						
Analyte:						sec-Butylbenzene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride	Xylenes, Total
Detect:						Y	Y	Y	Y	Y	Y	Y
pCUL							50		520	25	1.7	14,000
Units:						µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**							
C-29/Former East Fuel Farm	MW3	B21-13.25-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW3	B21-17.75-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW3	B21-3.25-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW3	B21-5.25-19940415	4/15/1994	N		--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW3	B21-7.25-19940415	4/15/1994	N		--	--	--	--	--	--	--
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-30	RISB-30-(19-20')	3/22/2019	N	ShallowInvest-Phase1	10 U	1.5 U	10 U	10 U	1.5 U	**0.061**	20 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-30	RISB-30-(9-10')	3/22/2019	N	ShallowInvest-Phase1	10 U	1.5 U	10 U	10 U	1.5 U	0.05 U	20 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-31	DUP-SOIL-190322	3/22/2019	FD	ShallowInvest-Phase1	10 U	1.5 U	10 U	10 U	1.5 U	0.05 U	20 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-31	RISB-31-(14-15')	3/22/2019	N	ShallowInvest-Phase1	10 U	1.5 U	10 U	10 U	1.5 U	0.05 U	20 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-31	RISB-31-(6.5-7.5')	3/22/2019	N	ShallowInvest-Phase1	10 U	1.5 U	10 U	10 U	1.5 U	0.05 U	20 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-31	RISB-31-(2-3')	3/22/2019	N	ShallowInvest-Phase1	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-41	RISB-41-(1-2')	4/4/2019	N	ShallowInvest-Phase1	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-41	RISB-41-(5.5-6.5')	4/4/2019	N	ShallowInvest-Phase1	10 U	1.5 U	10 U	10 U	**4.2**	0.05 U	20 U
C-29/Former East Fuel Farm	RISB-41	RISB-41-(19-20')	4/4/2019	N	ShallowInvest-Phase1	10 U	1.5 U	10 U	10 U	**2.4**	0.05 U	20 U
C-29/Former East Fuel Farm	RISB-42	RISB-42-(6.5-7.5')	4/3/2019	N	ShallowInvest-Phase1	10 U	1.5 U	10 U	10 U	1.5 U	**13**	20 U
C-29/Former East Fuel Farm	RISB-42	RISB-42-(19-20')	4/3/2019	N	ShallowInvest-Phase1	10 U	1.5 U	10 U	10 U	1.5 U	**0.13**	20 U
C-29/Former East Fuel Farm	RISB-42	RISB-42-(11.5-12.5')	4/3/2019	N	ShallowInvest-Phase1	10 U	1.5 U	10 U	10 U	**9.8**	**10**	20 U
C-29/Former East Fuel Farm	RISB-43	RISB-43-(3-4')	4/4/2019	N	ShallowInvest-Phase1	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-43	RISB-43-(6-7')	4/4/2019	N	ShallowInvest-Phase1	10 U	1.5 U	10 U	10 U	**3.4**	0.05 U	20 U
C-29/Former East Fuel Farm	RISB-43	RISB-43-(14-15')	4/4/2019	N	ShallowInvest-Phase1	10 U	1.5 U	10 U	10 U	**1.8**	0.05 U	20 U
C-29/Former East Fuel Farm	RISB-44	RISB-44-(10.5-11.5')	4/5/2019	N	ShallowInvest-Phase1	10 U	1.5 U	10 U	**37**	**7,000**	**4.0**	20 U
C-29/Former East Fuel Farm	RISB-44	RISB-44-(5-6')	4/5/2019	N	ShallowInvest-Phase1	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-44	RISB-44-(19-20')	4/5/2019	N	ShallowInvest-Phase1	10 U	1.5 U	10 U	10 U	**11**	**0.50**	20 U
C-29/Former East Fuel Farm	RISB-44	DUP-SOIL-190405	4/5/2019	FD	ShallowInvest-Phase1	10 U	1.5 U	10 U	**300**	**5,200**	**11**	20 U
C-29/Former East Fuel Farm	RISB-45	RISB-45-(1.5-2')	4/4/2019	N	ShallowInvest-Phase1	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-45	RISB-45-(14-15')	4/4/2019	N	ShallowInvest-Phase1	10 U	**54,000**	10 U	10 U	**230,000**	**0.25**	20 U
C-29/Former East Fuel Farm	RISB-45	RISB-45-(34-35')	4/4/2019	N	ShallowInvest-Phase1	10 U	**2.1**	10 U	10 U	**17**	0.05 U	20 U
C-29/Former East Fuel Farm	RISB-46	RISB-46-(7.5-8.5')	4/3/2019	N	ShallowInvest-Phase1	10 U	**10**	10 U	10 U	**3,500**	**0.75**	20 U
C-29/Former East Fuel Farm	RISB-46	RISB-46-(3-4')	4/3/2019	N	ShallowInvest-Phase1	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-46	RISB-46-(29.5-30.5')	4/3/2019	N	ShallowInvest-Phase1	10 U	1.5 U	10 U	10 U	**20**	**0.52**	20 U
C-29/Former East Fuel Farm	RISB-46	RISB-46-(39-40')	4/3/2019	N	ShallowInvest-Phase1	10 U	1.5 U	10 U	10 U	1.5 U	**0.12**	20 U
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-47	RISB-47-(6.5-7.5')	4/5/2019	N	ShallowInvest-Phase1	10 U	1.5 U	10 U	**10**	**9,600**	**0.55**	20 U
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-47	RISB-47-(27-28')	4/5/2019	N	ShallowInvest-Phase1	10 U	1.5 U	10 U	10 U	1.5 U	0.05 U	20 U

Table 19
Former Building C-29 / Former East Fuel Farm – Detected Constituents in Soil Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Analyte Group:						Paine Soil VOCs						
					Analyte:	sec-Butylbenzene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride	Xylenes, Total
					Detect:	Y	Y	Y	Y	Y	Y	Y
					pCUL		50		520	25	1.7	14,000
					Units:	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**							
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-48	RISB-48-(5.5-6.5')	4/5/2019	N	ShallowInvest-PhaseI	10 U	1.5 U	10 U	10 U	**810**	**6.7**	20 U
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-48	RISB-48-(9-10')	4/5/2019	N	ShallowInvest-PhaseI	10 U	1.5 U	10 U	**27**	**2,700**	**6.1**	20 U
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-48	RISB-48-(14-15')	4/5/2019	N	ShallowInvest-PhaseI	10 U	1.5 U	10 U	10 U	**1.5**	0.05 U	20 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-52	RISB-52-(19-20')	3/22/2019	N	ShallowInvest-PhaseI	10 U	1.5 U	10 U	10 U	1.5 U	0.05 U	20 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-52	RISB-52-(10.5-11.5')	3/22/2019	N	ShallowInvest-PhaseI	10 U	1.5 U	10 U	10 U	1.5 U	**0.10**	20 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-52	RISB-52-(1.5-2.5')	3/22/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-64	RISB-64-(24-25')	8/30/2019	N	Investigation-PhaseII	10 U	1.5 U	10 U	10 U	1.5 U	0.05 U	20 U
C-29/Former East Fuel Farm	RISB-64	RISB-64-(10-11')	8/30/2019	N	Investigation-PhaseII	10 U	1.5 U	10 U	10 U	1.5 U	0.05 U	20 U
C-29/Former East Fuel Farm	RISB-65	RISB-65-(5-6')	8/29/2019	N	Investigation-PhaseII	10 U	1.5 U	10 U	10 U	**1.7**	0.05 U	20 U
C-29/Former East Fuel Farm	RISB-65	RISB-65-(19-20')	8/29/2019	N	Investigation-PhaseII	10 U	1.5 U	10 U	10 U	1.5 U	0.05 U	20 U
C-29/Former East Fuel Farm	RISB-66	DUP-SOIL-190829	8/29/2019	FD	Investigation-PhaseII	10 U	**2.7**	10 U	10 U	**20,000 J**	**0.50**	20 U
C-29/Former East Fuel Farm	RISB-66	RISB-66-(44-45')	8/29/2019	N	Investigation-PhaseII	10 U	1.5 U	10 U	10 U	**6.8**	0.05 U	20 U
C-29/Former East Fuel Farm	RISB-66	RISB-66-(9-10')	8/29/2019	N	Investigation-PhaseII	10 U	**3.0**	10 U	10 U	**3,900 J**	**0.58**	20 U
C-29/Former East Fuel Farm	RISB-67	RISB-67-(54-55')	8/30/2019	N	Investigation-PhaseII	10 U	1.5 U	10 U	10 U	**9.8**	0.05 U	20 U
C-29/Former East Fuel Farm	RISB-67	RISB-67-(14-15')	8/30/2019	N	Investigation-PhaseII	10 U	**1.7**	10 U	10 U	**7,900**	**1.2**	20 U
C-29/Former East Fuel Farm	RISB-68	RISB-68-(26.5-27.5')	8/28/2019	N	Investigation-PhaseII	10 U	**4.3**	10 U	10 U	**7,900**	**0.10**	20 U
C-29/Former East Fuel Farm	RISB-68	RISB-68-(49-50')	8/28/2019	N	Investigation-PhaseII	10 U	1.5 U	10 U	10 U	1.5 U	0.05 U	20 U
C-29/Former East Fuel Farm	RISB-74	RISB-74-(7-8')	11/21/2022	N	PhaseIII	10 U	1.5 U	10 U	10 U	1.5 U	**0.069**	20 U
C-29/Former East Fuel Farm	RISB-74	RISB-74-(19-20')	11/21/2022	N	PhaseIII	10 U	1.5 U	10 U	10 U	1.5 U	0.05 U	20 U
C-29/Former East Fuel Farm	RISB-74	RISB-74-(29-30')	11/21/2022	N	PhaseIII	10 U	1.5 U	10 U	10 U	1.5 U	0.05 U	20 U
C-29/Former East Fuel Farm	RISB-75	RISB-75-(7-8')	11/22/2022	N	PhaseIII	10 U	1.5 U	10 U	10 U	1.5 U	0.05 U	20 U
C-29/Former East Fuel Farm	RISB-75	RISB-75-(17-18')	11/22/2022	N	PhaseIII	10 U	1.5 U	10 U	10 U	1.5 U	0.05 U	20 U
C-29/Former East Fuel Farm	RISB-75	RISB-75-(29-30')	11/22/2022	N	PhaseIII	10 U	1.5 U	10 U	10 U	1.5 U	0.05 U	20 U
C-29/Former East Fuel Farm	RISB-76	RISB-76-(9-10')	11/22/2022	N	PhaseIII	10 U	**1.5**	10 U	10 U	**1,000**	0.05 U	20 U
C-29/Former East Fuel Farm	RISB-76	RISB-76-(19-20')	11/22/2022	N	PhaseIII	10 U	1.5 U	10 U	10 U	**6,400**	**0.35**	20 U
C-29/Former East Fuel Farm	RISB-76	RISB-76-(29-30')	11/22/2022	N	PhaseIII	10 U	1.5 U	10 U	10 U	**3.2**	0.05 U	20 U
C-29/Former East Fuel Farm	RISB-77	RISB-77-(9-10')	11/23/2022	N	PhaseIII	10 U	1.5 U	10 U	10 U	1.5 U	**0.11**	20 U
C-29/Former East Fuel Farm	RISB-77	RISB-77-(19-20')	11/23/2022	N	PhaseIII	10 U	1.5 U	10 U	10 U	**13**	**0.23**	20 U
C-29/Former East Fuel Farm	RISB-77	RISB-77-(29-30')	11/23/2022	N	PhaseIII	10 U	1.5 U	10 U	10 U	1.5 U	0.05 U	20 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-78	RISB-78-(9-10')	11/29/2022	N	PhaseIII	10 U	1.5 U	10 U	10 U	1.5 U	0.05 U	20 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-78	RISB-78-(19-20')	11/29/2022	N	PhaseIII	10 U	1.5 U	10 U	10 U	1.5 U	0.05 U	20 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-78	RISB-78-(29-30')	11/29/2022	N	PhaseIII	10 UJ	1.5 UJ	10 UJ	10 UJ	1.5 UJ	0.05 UJ	20 UJ
C-29/Former East Fuel Farm	RISB-79	RISB-79-(9-10')	11/29/2022	N	PhaseIII	10 U	1.5 U	10 U	10 U	1.5 U	0.05 U	20 U

Table 19
Former Building C-29 / Former East Fuel Farm – Detected Constituents
in Soil Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Analyte Group:						Paine Soil VOCs						
					Analyte:	sec-Butylbenzene	Tetrachloroethene	Toluene	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride	Xylenes, Total
					Detect:	Y	Y	Y	Y	Y	Y	Y
					pCUL		50		520	25	1.7	14,000
					Units:	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**							
C-29/Former East Fuel Farm	RISB-79	RISB-79-(19-20')	11/29/2022	N	PhaseIII	10 U	1.5 U	10 U	10 U	1.5 U	0.05 U	20 U
C-29/Former East Fuel Farm	RISB-79	RISB-79-(29-30')	11/29/2022	N	PhaseIII	10 U	1.5 U	10 U	10 U	1.5 U	0.05 U	20 U
C-29/Former East Fuel Farm	RISB-80	DUP-SOIL-221108	11/8/2022	N	PhaseIII	10 U	**4.9**	10 U	10 U	**940 J**	**0.17**	20 U
C-29/Former East Fuel Farm	RISB-80	RISB-80-(9-10')	11/8/2022	N	PhaseIII	10 U	**6.4**	10 U	10 U	**3,500 J**	**0.23**	20 U
C-29/Former East Fuel Farm	RISB-80	RISB-80-(11-12')	11/8/2022	N	PhaseIII	10 U	1.5 U	10 U	**270**	**15,000**	**6.4**	20 U
C-29/Former East Fuel Farm	RISB-80	RISB-80-(24-25')	11/9/2022	N	PhaseIII	10 U	1.5 U	10 U	10 U	**2,900**	0.05 U	20 U
C-29/Former East Fuel Farm	RISB-80	RISB-80-(34-35')	11/9/2022	N	PhaseIII	10 U	1.5 U	10 U	10 U	1.5 U	0.05 U	20 U
C-29/Former East Fuel Farm	RISB-80	RISB-80-(39-40')	11/9/2022	N	PhaseIII	10 U	1.5 U	10 U	10 U	1.5 U	0.05 U	20 U
C-29/Former East Fuel Farm	RISB-111	RISB-111-S-29-30	5/22/2024	N	TECT AO RI	10 U	1.5 U	10 U	10 U	**25**	**1.5**	20 U
C-29/Former East Fuel Farm	RISB-111	RISB-111-S-8-9	5/22/2024	N	TECT AO RI	10 U	1.5 U	10 U	10 U	1.5 U	0.05 U	20 U
C-29/Former East Fuel Farm	RISB-112	RISB-112-S-9-10	5/30/2024	N	TECT AO RI	10 U	1.5 U	10 U	**16**	**2.7**	**190**	20 U
C-29/Former East Fuel Farm	RISB-112	RISB-112-S-29-30	5/30/2024	N	TECT AO RI	10 U	1.5 U	10 U	10 U	1.5 U	0.05 U	20 U
C-29/Former East Fuel Farm	RISB-112	RISB-112-S-14-15	5/30/2024	N	TECT AO RI	10 U	1.5 U	10 U	10 U	1.5 U	**70**	20 U
C-29/Former East Fuel Farm	RISB-116	RISB-116-S-13-14	5/21/2024	N	TECT AO RI	10 U	1.5 U	10 U	10 U	1.5 U	0.05 U	20 U
C-29/Former East Fuel Farm	RISB-116	RISB-116-S-28-29	5/21/2024	N	TECT AO RI	10 U	1.5 U	10 U	10 U	1.5 U	0.05 U	20 U
C-29/Former East Fuel Farm	RISB-116	RISB-116-S-39-40	5/21/2024	N	TECT AO RI	10 U	1.5 U	10 U	10 U	1.5 U	0.05 U	20 U
C-29/Former East Fuel Farm	RISB-117	RISB-117-S-1-2	5/22/2024	N	TECT AO RI	10 U	1.5 U	10 U	10 U	1.5 U	0.05 U	20 U
C-29/Former East Fuel Farm	RISB-117	RISB-117-S-29-30'	5/22/2024	N	TECT AO RI	10 U	1.5 U	10 U	10 U	1.5 U	0.056 U	20 U
C-29/Former East Fuel Farm	RISB-205	RISB-205-14-20	1/30/2025	N	TECT AO RI	10 U	1.5 U	10 U	10 U	1.5 U	0.05 U	20 U
C-29/Former East Fuel Farm	TC-2	TC-2-SO-11.5-19961220	12/20/1996	N		--	--	--	--	**705**	--	--
C-29/Former East Fuel Farm	TC-2	TC-2-SO-13.5-19961220	12/20/1996	N		--	--	--	--	**3,360**	--	--
C-29/Former East Fuel Farm	TC-2	TC-2-SO-16.5-19961220	12/20/1996	N		--	--	--	--	**1,940**	--	--
C-29/Former East Fuel Farm	TC-2	TC-2-SO-18.5-19961220	12/20/1996	N		--	--	--	--	**1,430**	--	--
C-29/Former East Fuel Farm	TC-2	TC-2-SO-23.5-19961220	12/20/1996	N		--	--	--	--	**173**	--	--
C-29/Former East Fuel Farm	TC-2	TC-2-SO-8.5-19961220	12/20/1996	N		--	--	--	--	**972**	--	--
C-29/Former East Fuel Farm	TC-3	TC-3-SO-18.5-19961220	12/20/1996	N		--	--	--	--	50 U	--	--
C-29/Former East Fuel Farm	TC-3	TC-3-SO-23.5-19961220	12/20/1996	N		--	--	--	--	50 U	--	--
C-29/Former East Fuel Farm	TC-3	TC-3-SO-28.5-19961220	12/20/1996	N		--	--	--	--	50 U	--	--
C-29/Former East Fuel Farm	TC-3	TC-3-SO-8.5-19961220	12/20/1996	N		--	--	--	--	**1,430**	--	--

Table 19
Former Building C-29 / Former East Fuel Farm – Detected Constituents in Soil Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Shading

Bold text indicates detected analyte**.**

Blue shading = exceeds project SL

Qualifiers:

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

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

J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

J+ = The result is an estimated quantity and the result may be biased high.

J- = The result is an estimated quantity and the result may be biased low.

R = The data are unusable. The sample results are rejected due to serious deficiencies in meeting quality control criteria. The analyte may or may not be present in the sample.

Z = See laboratory report for hydrocarbon identification

Abbreviations and Acronyms:

-- = not analyzed

µg/kg = micrograms per kilogram

AO = Agreed Order

CAS = Chemical Abstracts Service

EPA = US Environmental Protection Agency

FD = field duplicate sample

ID = identification

mg/kg = milligrams per kilogram

MTCA = Model Toxics Control Act

N = primary sample

ND = not detected

RI = remedial investigation

RN = registry number

SL = screening level

TPH = total petroleum hydrocarbons

VOC = volatile organic compound

Table 20
Former Building C-29 / Former East Fuel Farm – Detected Constituents in Groundwater
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

					Analyte Group:	**Conventionals**					**Metals**						
					Fraction:	N	N	N	N	N	D	T	D	T	D	T	D
					Analyte:	Ethene	Methane	Nitrogen, Nitrate (as N)	Sulfate	Total Organic Carbon	Arsenic	Arsenic	Barium	Barium	Cadmium	Cadmium	Chromium, Total
					Detected:	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
					pCUL:			10,000			13.6	13.6			4.4	4.4	50
					Units:	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**												
C-29/Former East Fuel Farm	AF-1	AF-1-WG-19960105	1/5/1996	N	Historical	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-WG-19960507	5/7/1996	N	Historical	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-WG-19990224	2/24/1999	N	Historical	--	--	--	--	--	--	--	--	--	--	--	10 U
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-181108	11/8/2018	N	Baseline	**50**	**110**	150 U	**33,000**	**7,700**	**4.2**	--	--	--	1 U	--	**2.1**
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-20190829	8/29/2019	N	Investigation-PhaseII	**30**	**140**	150 UJ	**38,000**	**6,900**	**9.4**	--	--	--	1 U	--	2 U
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-20240814	8/14/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-MW2	C29-MW2-WG-19990507	5/7/1999	N	Historical	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-MW2	C29-MW2-181108	11/8/2018	N	Baseline	--	--	--	--	--	**2.9**	--	--	--	1 U	--	2 U
C-29/Former East Fuel Farm	C29-MW2	C29-MW2-20190905	9/5/2019	N	Investigation-PhaseII	--	--	--	--	--	**2.9**	--	--	--	1 U	--	2 U
C-29/Former East Fuel Farm	C29-MW2	C29-MW2-240813	8/13/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	HMB1	HMB1-WG-19990224	2/24/1999	N	Historical	--	--	--	--	--	--	--	--	--	--	--	10 U
C-29/Former East Fuel Farm	HMB1	HMB-1-181108	11/8/2018	N	Baseline	--	--	--	--	--	**25**	--	--	--	1 U	--	2 U
C-29/Former East Fuel Farm	HMB1	HMB1-20190829	8/29/2019	N	Investigation-PhaseII	--	--	--	--	--	**17**	--	--	--	1 U	--	2 U
C-29/Former East Fuel Farm	HMB1	HMB1-240813	8/13/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW1	MW1-WG-19940427	4/27/1994	N	Historical	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW1	MW1-WG-19960507	5/7/1996	N	Historical	--	--	--	--	--	--	--	--	--	--	--	10 U
C-29/Former East Fuel Farm	MW1	MW1-WG-19980224	2/24/1998	N	Historical	--	--	--	--	--	--	--	--	--	--	--	10 U
C-29/Former East Fuel Farm	MW1	MW1-WG-19990224	2/24/1999	N	Historical	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW1	MW1-WG-20011024	10/24/2001	N	Historical	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW1	MW-1-181105	11/5/2018	N	Baseline	--	--	--	--	--	**14**	--	--	--	1 U	--	2 U
C-29/Former East Fuel Farm	MW1	MW-1-20190830	8/30/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW1	MW-1-240813	8/13/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW2	MW2-WG-19940427	4/27/1994	N	Historical	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW2	MW2-WG-19960507	5/7/1996	N	Historical	--	--	--	--	--	--	--	--	--	--	--	10 U
C-29/Former East Fuel Farm	MW2	MW2-WG-19980224	2/24/1998	N	Historical	--	--	--	--	--	--	--	--	--	--	--	10 U
C-29/Former East Fuel Farm	MW2	MW2-WG-19990224	2/24/1999	N	Historical	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW2	MW2-WG-20011024	10/24/2001	N	Historical	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW2	MW-2-181105	11/5/2018	N	Baseline	**50**	**200**	150 U	**27,000**	**2,000**	**12**	--	--	--	1 U	--	2 U
C-29/Former East Fuel Farm	MW2	MW-2-20190830	8/30/2019	N	Investigation-PhaseII	10 U	**230**	150 UJ	**30,000**	**1,700**	**7.5**	--	--	--	1 U	--	2 U
C-29/Former East Fuel Farm	MW2	MW-2-240813	8/13/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW3	MW3-WG-19940427	4/27/1994	N	Historical	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW3	MW3-WG-19960507	5/7/1996	N	Historical	--	--	--	--	--	--	--	--	--	--	--	10 U

Table 20
Former Building C-29 / Former East Fuel Farm – Detected Constituents in Groundwater
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

					Analyte Group:	Conventionals					Metals						
					Fraction:	N	N	N	N	N	D	T	D	T	D	T	D
					Analyte:	Ethene	Methane	Nitrogen, Nitrate (as N)	Sulfate	Total Organic Carbon	Arsenic	Arsenic	Barium	Barium	Cadmium	Cadmium	Chromium, Total
					Detected:	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
					pCUL:			10,000			13.6	13.6			4.4	4.4	50
					Units:	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**												
C-29/Former East Fuel Farm	MW3	MW3-WG-19980224	2/24/1998	N	Historical	--	--	--	--	--	--	--	--	--	--	--	10 U
C-29/Former East Fuel Farm	MW3	MW3-WG-19990224	2/24/1999	N	Historical	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW3	MW3-WG-20011024	10/24/2001	N	Historical	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW3	MW-3-181105	11/5/2018	N	Baseline	--	--	--	--	--	**2.7**	--	--	--	1 U	--	2 U
C-29/Former East Fuel Farm	MW3	MW-3-20190830	8/30/2019	N	Investigation-PhaseII	--	--	--	--	--	**2.5**	--	--	--	1 U	--	2 U
C-29/Former East Fuel Farm	MW3	MW-3-240813	8/13/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW4	MW4-WG-19940427	4/27/1994	N	Historical	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW4	MW4-WG-19960507	5/7/1996	N	Historical	--	--	--	--	--	--	--	--	--	--	--	10 U
C-29/Former East Fuel Farm	MW4	MW4-WG-19980224	2/24/1998	N	Historical	--	--	--	--	--	--	--	--	--	--	--	10 U
C-29/Former East Fuel Farm	MW4	MW4-WG-19990224	2/24/1999	N	Historical	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW4	MW4-WG-20011024	10/24/2001	N	Historical	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW4	MW-4-181107	11/7/2018	N	Baseline	10 U	**540**	150 U	**40,000**	**4,200**	**6.9**	--	--	--	1 U	--	2 U
C-29/Former East Fuel Farm	MW4	MW-4-20190830	8/30/2019	N	Investigation-PhaseII	**20**	**1,500**	150 UJ	**4,800**	**5,700**	**2.8**	--	--	--	1 U	--	2 U
C-29/Former East Fuel Farm	MW4	MW-4-20240814	8/14/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RIGW-2	RIGW-2-230926	9/26/2023	N	PhaseIII	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RIGW-2	RIGW-2-20240814	8/14/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RIGW-3	RIGW-3-230926	9/26/2023	N	PhaseIII	--	--	--	--	--	**10**	**9.7**	--	--	1 U	1 U	2 U
C-29/Former East Fuel Farm	RIGW-3	RIGW-3-20240814	8/14/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-111	RISB-111-GW-240619	6/19/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-116	RISB-116-GW	5/21/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-117	RISB-117-GW	5/22/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-30	RISB-30-GW	3/22/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	**5.8**	--	--	--	1 U	--	2 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-31	RISB-31-GW	4/9/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-41	RISB-41-GW	4/4/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	**6.0**	--	--	--	1 U	--	2 U
C-29/Former East Fuel Farm	RISB-42	RISB-42-GW	4/3/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	**1.3**	--	--	--	1 U	--	2 U
C-29/Former East Fuel Farm	RISB-43	RISB-43-GW	4/4/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	**7.8**	--	--	--	1 U	--	2 U
C-29/Former East Fuel Farm	RISB-44	RISB-44-GW	4/5/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	**5.7**	--	--	--	1 U	--	2 U
C-29/Former East Fuel Farm	RISB-45	RISB-45-GW	4/4/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	**2.9**	--	--	--	1 U	--	2 U
C-29/Former East Fuel Farm	RISB-45	DUP-GW-190404	4/4/2019	FD	ShallowInvest-PhaseI	--	--	--	--	--	**2.9**	--	--	--	1 U	--	2 U
C-29/Former East Fuel Farm	RISB-46	RISB-46-GW	4/3/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	1 U	--	--	--	1 U	--	2 U
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-47	RISB-47-GW	4/5/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	**2.9**	--	--	--	1 U	--	2 U
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-48	RISB-48-GW	4/5/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	**1.9**	--	--	--	1 U	--	**2.6**

Table 20
Former Building C-29 / Former East Fuel Farm – Detected Constituents in Groundwater
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

					Analyte Group:	**Conventionals**					**Metals**							
					Fraction:	N	N	N	N	N	D	T	D	T	D	T	D	
					Analyte:	Ethene	Methane	Nitrogen, Nitrate (as N)	Sulfate	Total Organic Carbon	Arsenic	Arsenic	Barium	Barium	Cadmium	Cadmium	Chromium, Total	
					Detected:	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	
					pCUL:			10,000			13.6	13.6			4.4	4.4	50	
					Units:	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**													
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-52	RISB-52-GW	3/22/2019	N	ShallowInvest-PhaseI	10 U	**20**	**300**	**21,000**	**3,200**	--	--	--	--	--	--	--	
C-29/Former East Fuel Farm	RISB-64	RISB-64-GW	8/30/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--	--	--	--	--	
C-29/Former East Fuel Farm	RISB-65	RISB-65-GW	8/29/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--	--	--	--	--	
C-29/Former East Fuel Farm	RISB-66	RISB-66-GW	8/29/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--	--	--	--	--	
C-29/Former East Fuel Farm	RISB-67	RISB-67-GW	8/30/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--	--	--	--	--	
C-29/Former East Fuel Farm	RISB-76	RISB-76-GW-221122	11/22/2022	N	PhaseIII	--	--	--	--	--	**4.7**	**73**	--	--	1 U	**1.9**	2 U	
C-29/Former East Fuel Farm	RISB-77	RISB-77-GW-221123	11/23/2022	N	PhaseIII	--	--	--	--	--	--	--	--	--	--	--	--	
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-78	RISB-78-GW-221129	11/29/2022	N	PhaseIII	--	--	--	--	--	--	--	--	--	--	--	--	
C-29/Former East Fuel Farm	RISB-79	RISB-79-GW-221129	11/29/2022	N	PhaseIII	--	--	--	--	--	--	--	--	--	--	--	--	
C-29/Former East Fuel Farm	RISB-80	RISB-80-GW-221108	11/8/2022	N	PhaseIII	--	--	--	--	--	**12**	**14**	**51**	**150**	1 U	1 U	2 U	
C-29/Former East Fuel Farm	SCPWD-1	SCPWD-1-WG-19990224	2/24/1999	N	Historical	--	--	--	--	--	--	--	--	--	--	--	10 U	
C-29/Former East Fuel Farm	SCPWD-1	SCPWD-1-181108	11/8/2018	N	Baseline	**50**	**290**	150 U	**8,600**	**4,900**	**7.7**	--	--	--	**1.7**	--	2 U	
C-29/Former East Fuel Farm	SCPWD-1	SCPWD-1-20190829	8/29/2019	N	Investigation-PhaseII	**23**	**70**	150 UJ	**8,800**	500 U	**7.6**	--	--	--	1 U	--	2 U	
C-29/Former East Fuel Farm	SCPWD-1	SCPWD-1-20240814	8/14/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--	--	
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-241105	11/5/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--	--	
C-29/Former East Fuel Farm	HMB1	HMB1-241106	11/6/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--	--	
C-29/Former East Fuel Farm	MW1	MW-1-241105	11/5/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--	--	
C-29/Former East Fuel Farm	MW1	MW-1-241108	11/8/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--	--	
C-29/Former East Fuel Farm	MW2	MW-2-241106	11/6/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--	--	
C-29/Former East Fuel Farm	MW3	MW-3-241106	11/6/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--	--	
C-29/Former East Fuel Farm	MW4	MW-4-241106	11/6/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--	--	
C-29/Former East Fuel Farm	RIGW-2	RIGW-2-241108	11/8/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--	--	
C-29/Former East Fuel Farm	RIGW-3	RIGW-3-241105	11/5/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--	--	
C-29/Former East Fuel Farm	SCPWD-1	SCPWD-1-241105	11/5/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--	--	
C-29/Former East Fuel Farm	RISB-205	RISB-205-GW-250130	1/30/2025	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--	--	

Table 20
Former Building C-29 / Former East Fuel Farm – Detected Constituents in Groundwater
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

					Analyte Group:	**Metals**														**SVOCs**
					Fraction:	T	D	T	D	T	D	T	D	T	D	T	D	T		N
					Analyte:	Chromium, Total	Chromium, Trivalent	Copper	Lead	Lead	Mercury	Mercury	Nickel	Nickel	Zinc	Zinc				1,4-Dioxane
					Detected:	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y				Y
					pCUL:	50			15	15	2	2								0.44
					Units:	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L				µg/L
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**															
C-29/Former East Fuel Farm	AF-1	AF-1-WG-19960105	1/5/1996	N	Historical	**55,000 J**	--	**34**	--	--	--	--	--	--	--	**58**				--
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-WG-19960507	5/7/1996	N	Historical	10 U	--	--	--	--	--	--	--	--	--	--				--
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-WG-19990224	2/24/1999	N	Historical	10 U	--	--	--	--	--	--	--	--	--	--				--
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-181108	11/8/2018	N	Baseline	--	--	--	1 U	--	0.2 U	--	--	--	--	--				--
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-20190829	8/29/2019	N	Investigation-PhaseII	--	--	--	1 U	--	0.2 U	--	--	--	--	--				--
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-20240814	8/14/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--				**18**
C-29/Former East Fuel Farm	C29-MW2	C29-MW2-WG-19990507	5/7/1999	N	Historical	10 U	--	--	--	--	--	--	--	--	--	--				--
C-29/Former East Fuel Farm	C29-MW2	C29-MW2-181108	11/8/2018	N	Baseline	--	2 U	--	1 U	--	0.2 U	--	--	--	--	--				--
C-29/Former East Fuel Farm	C29-MW2	C29-MW2-20190905	9/5/2019	N	Investigation-PhaseII	--	--	--	1 U	--	0.2 U	--	--	--	--	--				--
C-29/Former East Fuel Farm	C29-MW2	C29-MW2-240813	8/13/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--				**0.088**
C-29/Former East Fuel Farm	HMB1	HMB1-WG-19990224	2/24/1999	N	Historical	10 U	--	--	--	--	--	--	--	--	--	--				--
C-29/Former East Fuel Farm	HMB1	HMB-1-181108	11/8/2018	N	Baseline	--	--	--	1 U	--	0.2 U	--	--	--	--	--				--
C-29/Former East Fuel Farm	HMB1	HMB1-20190829	8/29/2019	N	Investigation-PhaseII	--	--	--	1 U	--	0.2 U	--	--	--	--	--				--
C-29/Former East Fuel Farm	HMB1	HMB1-240813	8/13/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--				0.04 U
C-29/Former East Fuel Farm	MW1	MW1-WG-19940427	4/27/1994	N	Historical	--	--	--	--	--	--	--	--	--	--	--				--
C-29/Former East Fuel Farm	MW1	MW1-WG-19960507	5/7/1996	N	Historical	10 U	--	--	--	--	--	--	--	--	--	--				--
C-29/Former East Fuel Farm	MW1	MW1-WG-19980224	2/24/1998	N	Historical	10 U	--	--	--	--	--	--	--	--	--	--				--
C-29/Former East Fuel Farm	MW1	MW1-WG-19990224	2/24/1999	N	Historical	--	--	--	--	--	--	--	--	--	--	--				--
C-29/Former East Fuel Farm	MW1	MW1-WG-20011024	10/24/2001	N	Historical	--	--	--	--	--	--	--	--	--	--	--				--
C-29/Former East Fuel Farm	MW1	MW-1-181105	11/5/2018	N	Baseline	--	2 U	--	1 U	--	0.2 U	--	--	--	--	--				--
C-29/Former East Fuel Farm	MW1	MW-1-20190830	8/30/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--	--	--	--				**190**
C-29/Former East Fuel Farm	MW1	MW-1-240813	8/13/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--				**140**
C-29/Former East Fuel Farm	MW2	MW2-WG-19940427	4/27/1994	N	Historical	--	--	--	--	--	--	--	--	--	--	--				--
C-29/Former East Fuel Farm	MW2	MW2-WG-19960507	5/7/1996	N	Historical	10 U	--	--	--	--	--	--	--	--	--	--				--
C-29/Former East Fuel Farm	MW2	MW2-WG-19980224	2/24/1998	N	Historical	10 U	--	--	--	--	--	--	--	--	--	--				--
C-29/Former East Fuel Farm	MW2	MW2-WG-19990224	2/24/1999	N	Historical	--	--	--	--	--	--	--	--	--	--	--				--
C-29/Former East Fuel Farm	MW2	MW2-WG-20011024	10/24/2001	N	Historical	--	--	--	--	--	--	--	--	--	--	--				--
C-29/Former East Fuel Farm	MW2	MW-2-181105	11/5/2018	N	Baseline	--	2 U	--	1 U	--	0.2 U	--	--	--	--	--				--
C-29/Former East Fuel Farm	MW2	MW-2-20190830	8/30/2019	N	Investigation-PhaseII	--	--	--	1 U	--	0.2 U	--	--	--	--	--				--
C-29/Former East Fuel Farm	MW2	MW-2-240813	8/13/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--				**27**
C-29/Former East Fuel Farm	MW3	MW3-WG-19940427	4/27/1994	N	Historical	--	--	--	--	--	--	--	--	--	--	--				--
C-29/Former East Fuel Farm	MW3	MW3-WG-19960507	5/7/1996	N	Historical	10 U	--	--	--	--	--	--	--	--	--	--				--

Table 20
Former Building C-29 / Former East Fuel Farm – Detected Constituents in Groundwater
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

					Analyte Group:	**Metals**													**SVOCs**
					Fraction:	T	D	T	D	T	D	T	D	T	D	T		N	
					Analyte:	Chromium, Total	Chromium, Trivalent	Copper	Lead	Lead	Mercury	Mercury	Nickel	Nickel	Zinc	Zinc		1,4-Dioxane	
					Detected:	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y	
					pCUL:	50			15	15	2	2						0.44	
					Units:	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L		µg/L	
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**														
C-29/Former East Fuel Farm	MW3	MW3-WG-19980224	2/24/1998	N	Historical	10 U	--	--	--	--	--	--	--	--	--	--		--	
C-29/Former East Fuel Farm	MW3	MW3-WG-19990224	2/24/1999	N	Historical	--	--	--	--	--	--	--	--	--	--	--		--	
C-29/Former East Fuel Farm	MW3	MW3-WG-20011024	10/24/2001	N	Historical	--	--	--	--	--	--	--	--	--	--	--		--	
C-29/Former East Fuel Farm	MW3	MW-3-181105	11/5/2018	N	Baseline	--	--	--	1 U	--	0.2 U	--	--	--	--	--		--	
C-29/Former East Fuel Farm	MW3	MW-3-20190830	8/30/2019	N	Investigation-PhaseII	--	--	--	1 U	--	0.2 U	--	--	--	--	--		--	
C-29/Former East Fuel Farm	MW3	MW-3-240813	8/13/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--		**21**	
C-29/Former East Fuel Farm	MW4	MW4-WG-19940427	4/27/1994	N	Historical	**330**	--	**320**	--	--	--	--	--	--	--	--		--	
C-29/Former East Fuel Farm	MW4	MW4-WG-19960507	5/7/1996	N	Historical	10 U	--	--	--	--	--	--	--	--	--	--		--	
C-29/Former East Fuel Farm	MW4	MW4-WG-19980224	2/24/1998	N	Historical	10 U	--	--	--	--	--	--	--	--	--	--		--	
C-29/Former East Fuel Farm	MW4	MW4-WG-19990224	2/24/1999	N	Historical	--	--	--	--	--	--	--	--	--	--	--		--	
C-29/Former East Fuel Farm	MW4	MW4-WG-20011024	10/24/2001	N	Historical	--	--	--	--	--	--	--	--	--	--	--		--	
C-29/Former East Fuel Farm	MW4	MW-4-181107	11/7/2018	N	Baseline	--	--	--	1 U	--	0.2 U	--	--	--	--	--		--	
C-29/Former East Fuel Farm	MW4	MW-4-20190830	8/30/2019	N	Investigation-PhaseII	--	--	--	1 U	--	0.2 U	--	--	--	--	--		--	
C-29/Former East Fuel Farm	MW4	MW-4-20240814	8/14/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--		0.04 U	
C-29/Former East Fuel Farm	RIGW-2	RIGW-2-230926	9/26/2023	N	PhaseIII	--	--	--	--	--	--	--	--	--	--	--		--	
C-29/Former East Fuel Farm	RIGW-2	RIGW-2-20240814	8/14/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--		**0.16**	
C-29/Former East Fuel Farm	RIGW-3	RIGW-3-230926	9/26/2023	N	PhaseIII	2 U	--	--	1 U	1 U	0.2 U	0.2 U	--	--	--	--		**6.3**	
C-29/Former East Fuel Farm	RIGW-3	RIGW-3-20240814	8/14/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--		**4.3**	
C-29/Former East Fuel Farm	RISB-111	RISB-111-GW-240619	6/19/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--		**1.1**	
C-29/Former East Fuel Farm	RISB-116	RISB-116-GW	5/21/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--		**0.064**	
C-29/Former East Fuel Farm	RISB-117	RISB-117-GW	5/22/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--		**0.093**	
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-30	RISB-30-GW	3/22/2019	N	ShallowInvest-PhaseI	--	--	--	1 U	--	0.2 U	--	--	--	--	--		--	
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-31	RISB-31-GW	4/9/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	--	--		--	
C-29/Former East Fuel Farm	RISB-41	RISB-41-GW	4/4/2019	N	ShallowInvest-PhaseI	--	--	--	1 U	--	0.2 U	--	--	--	--	--		--	
C-29/Former East Fuel Farm	RISB-42	RISB-42-GW	4/3/2019	N	ShallowInvest-PhaseI	--	--	--	1 U	--	0.2 U	--	--	--	--	--		--	
C-29/Former East Fuel Farm	RISB-43	RISB-43-GW	4/4/2019	N	ShallowInvest-PhaseI	--	--	--	1 U	--	0.2 U	--	--	--	--	--		--	
C-29/Former East Fuel Farm	RISB-44	RISB-44-GW	4/5/2019	N	ShallowInvest-PhaseI	--	--	--	1 U	--	0.2 U	--	--	--	--	--		--	
C-29/Former East Fuel Farm	RISB-45	RISB-45-GW	4/4/2019	N	ShallowInvest-PhaseI	--	--	--	1 U	--	0.2 U	--	--	--	--	--		--	
C-29/Former East Fuel Farm	RISB-45	DUP-GW-190404	4/4/2019	FD	ShallowInvest-PhaseI	--	--	--	1 U	--	0.2 U	--	--	--	--	--		--	
C-29/Former East Fuel Farm	RISB-46	RISB-46-GW	4/3/2019	N	ShallowInvest-PhaseI	--	--	--	1 U	--	0.2 U	--	--	--	--	--		--	
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-47	RISB-47-GW	4/5/2019	N	ShallowInvest-PhaseI	--	2 U	--	1 U	--	0.2 U	--	--	--	--	--		--	
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-48	RISB-48-GW	4/5/2019	N	ShallowInvest-PhaseI	--	**2.6**	--	1 U	--	0.2 U	--	--	--	--	--		--	

Table 20
Former Building C-29 / Former East Fuel Farm – Detected Constituents in Groundwater
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

					Analyte Group:	**Metals**												**SVOCs**
					Fraction:	T	D	T	D	T	D	T	D	T	D	T		N
					Analyte:	Chromium, Total	Chromium, Trivalent	Copper	Lead	Lead	Mercury	Mercury	Nickel	Nickel	Zinc	Zinc		1,4-Dioxane
					Detected:	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y		Y
					pCUL:	50			15	15	2	2						0.44
					Units:	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L		µg/L
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**													
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-52	RISB-52-GW	3/22/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	--	--		--
C-29/Former East Fuel Farm	RISB-64	RISB-64-GW	8/30/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--	--	--	--		--
C-29/Former East Fuel Farm	RISB-65	RISB-65-GW	8/29/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--	--	--	--		--
C-29/Former East Fuel Farm	RISB-66	RISB-66-GW	8/29/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--	--	--	--		--
C-29/Former East Fuel Farm	RISB-67	RISB-67-GW	8/30/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--	--	--	--		--
C-29/Former East Fuel Farm	RISB-76	RISB-76-GW-221122	11/22/2022	N	PhaseIII	**470**	--	--	1 U	**66**	0.2 U	**0.58**	--	--	--	--		**1.6**
C-29/Former East Fuel Farm	RISB-77	RISB-77-GW-221123	11/23/2022	N	PhaseIII	--	--	--	--	--	--	--	--	--	--	--		**0.71**
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-78	RISB-78-GW-221129	11/29/2022	N	PhaseIII	--	--	--	--	--	--	--	--	--	--	--		0.4 U
C-29/Former East Fuel Farm	RISB-79	RISB-79-GW-221129	11/29/2022	N	PhaseIII	--	--	--	--	--	--	--	--	--	--	--		--
C-29/Former East Fuel Farm	RISB-80	RISB-80-GW-221108	11/8/2022	N	PhaseIII	**35**	--	--	1 U	**3.1**	0.2 U	0.2 U	**40**	**78**	2.5 U	**44**		**9.7 J-**
C-29/Former East Fuel Farm	SCPWD-1	SCPWD-1-WG-19990224	2/24/1999	N	Historical	10 U	--	--	--	--	--	--	--	--	--	--		--
C-29/Former East Fuel Farm	SCPWD-1	SCPWD-1-181108	11/8/2018	N	Baseline	--	--	--	1 U	--	0.2 U	--	--	--	--	--		--
C-29/Former East Fuel Farm	SCPWD-1	SCPWD-1-20190829	8/29/2019	N	Investigation-PhaseII	--	--	--	1 U	--	0.2 U	--	--	--	--	--		--
C-29/Former East Fuel Farm	SCPWD-1	SCPWD-1-20240814	8/14/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--		**5.0**
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-241105	11/5/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--		**11 J**
C-29/Former East Fuel Farm	HMB1	HMB1-241106	11/6/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--		0.4 U
C-29/Former East Fuel Farm	MW1	MW-1-241105	11/5/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--		--
C-29/Former East Fuel Farm	MW1	MW-1-241108	11/8/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--		**130**
C-29/Former East Fuel Farm	MW2	MW-2-241106	11/6/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--		**20**
C-29/Former East Fuel Farm	MW3	MW-3-241106	11/6/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--		**0.50**
C-29/Former East Fuel Farm	MW4	MW-4-241106	11/6/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--		0.4 U
C-29/Former East Fuel Farm	RIGW-2	RIGW-2-241108	11/8/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--		**0.080**
C-29/Former East Fuel Farm	RIGW-3	RIGW-3-241105	11/5/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--		**4.6 J**
C-29/Former East Fuel Farm	SCPWD-1	SCPWD-1-241105	11/5/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--		**6.8 J**
C-29/Former East Fuel Farm	RISB-205	RISB-205-GW-250130	1/30/2025	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--		**0.059 J**

Table 20
Former Building C-29 / Former East Fuel Farm – Detected Constituents in Groundwater
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

					Analyte Group:	SVOCs									TPH		
					Fraction:	N	N	N	N	N	N	N	N	N	N	N	N
					Analyte:	4-Nitrophenol	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Indeno(1,2,3-cd)pyrene	Phenol	Gasoline	Petroleum Hydrocarbons GRO C5-C12	Petroleum Hydrocarbons as Jet-A
					Detected:	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
					pCUL:										800	800	500
					Units:	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**												
C-29/Former East Fuel Farm	AF-1	AF-1-WG-19960105	1/5/1996	N	Historical	**16 J**	--	--	--	--	--	--	--	**56**	--	--	--
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-WG-19960507	5/7/1996	N	Historical	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-WG-19990224	2/24/1999	N	Historical	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-181108	11/8/2018	N	Baseline	--	--	--	--	--	--	--	--	--	--	**160**	--
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-20190829	8/29/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--	--	--	**170 J**	--
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-20240814	8/14/2024	N	TECT AO RI	--	**0.19**	**0.040**	**0.051**	**0.041**	**0.026**	**0.037**	**0.042**	--	--	**120**	--
C-29/Former East Fuel Farm	C29-MW2	C29-MW2-WG-19990507	5/7/1999	N	Historical	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-MW2	C29-MW2-181108	11/8/2018	N	Baseline	--	--	--	--	--	--	--	--	--	--	50 U	--
C-29/Former East Fuel Farm	C29-MW2	C29-MW2-20190905	9/5/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--	--	--	50 U	--
C-29/Former East Fuel Farm	C29-MW2	C29-MW2-240813	8/13/2024	N	TECT AO RI	--	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	--	--	50 U	--
C-29/Former East Fuel Farm	HMB1	HMB1-WG-19990224	2/24/1999	N	Historical	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	HMB1	HMB-1-181108	11/8/2018	N	Baseline	--	--	--	--	--	--	--	--	--	--	50 U	--
C-29/Former East Fuel Farm	HMB1	HMB1-20190829	8/29/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--	--	--	50 U	--
C-29/Former East Fuel Farm	HMB1	HMB1-240813	8/13/2024	N	TECT AO RI	--	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	--	--	50 U	--
C-29/Former East Fuel Farm	MW1	MW1-WG-19940427	4/27/1994	N	Historical	--	--	--	--	--	--	--	--	--	**1,000**	--	1,000 U
C-29/Former East Fuel Farm	MW1	MW1-WG-19960507	5/7/1996	N	Historical	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW1	MW1-WG-19980224	2/24/1998	N	Historical	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW1	MW1-WG-19990224	2/24/1999	N	Historical	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW1	MW1-WG-20011024	10/24/2001	N	Historical	--	--	--	--	--	--	--	--	--	**50**	--	--
C-29/Former East Fuel Farm	MW1	MW-1-181105	11/5/2018	N	Baseline	--	--	--	--	--	--	--	--	--	--	50 U	--
C-29/Former East Fuel Farm	MW1	MW-1-20190830	8/30/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--	--	--	50 U	--
C-29/Former East Fuel Farm	MW1	MW-1-240813	8/13/2024	N	TECT AO RI	--	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	--	--	50 U	--
C-29/Former East Fuel Farm	MW2	MW2-WG-19940427	4/27/1994	N	Historical	--	--	--	--	--	--	--	--	--	**2,000**	--	**1,000**
C-29/Former East Fuel Farm	MW2	MW2-WG-19960507	5/7/1996	N	Historical	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW2	MW2-WG-19980224	2/24/1998	N	Historical	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW2	MW2-WG-19990224	2/24/1999	N	Historical	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW2	MW2-WG-20011024	10/24/2001	N	Historical	--	--	--	--	--	--	--	--	--	**55**	--	--
C-29/Former East Fuel Farm	MW2	MW-2-181105	11/5/2018	N	Baseline	--	--	--	--	--	--	--	--	--	--	50 U	--
C-29/Former East Fuel Farm	MW2	MW-2-20190830	8/30/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--	--	--	50 U	--
C-29/Former East Fuel Farm	MW2	MW-2-240813	8/13/2024	N	TECT AO RI	--	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	--	--	**110**	--
C-29/Former East Fuel Farm	MW3	MW3-WG-19940427	4/27/1994	N	Historical	--	--	--	--	--	--	--	--	--	1,000 U	--	**1,300**
C-29/Former East Fuel Farm	MW3	MW3-WG-19960507	5/7/1996	N	Historical	--	--	--	--	--	--	--	--	--	--	--	--

Table 20
Former Building C-29 / Former East Fuel Farm – Detected Constituents in Groundwater
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

						SVOCs										TPH		
					Fraction:	N	N	N	N	N	N	N	N	N	N	N	N	N
					Analyte:	4-Nitrophenol	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Indeno(1,2,3-cd)pyrene	Phenol	Gasoline	Petroleum Hydrocarbons GRO C5-C12	Petroleum Hydrocarbons as Jet-A
					Detected:	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
					pCUL:										800	800	500
					Units:	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**												
C-29/Former East Fuel Farm	MW3	MW3-WG-19980224	2/24/1998	N	Historical	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW3	MW3-WG-19990224	2/24/1999	N	Historical	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW3	MW3-WG-20011024	10/24/2001	N	Historical	--	--	--	--	--	--	--	--	--	50 U	--	--
C-29/Former East Fuel Farm	MW3	MW-3-181105	11/5/2018	N	Baseline	--	--	--	--	--	--	--	--	--	--	**820**	--
C-29/Former East Fuel Farm	MW3	MW-3-20190830	8/30/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--	--	--	**950**	--
C-29/Former East Fuel Farm	MW3	MW-3-240813	8/13/2024	N	TECT AO RI	--	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	--	--	**700**	--
C-29/Former East Fuel Farm	MW4	MW4-WG-19940427	4/27/1994	N	Historical	--	--	--	--	--	--	--	--	--	**2,000**	--	**1,100**
C-29/Former East Fuel Farm	MW4	MW4-WG-19960507	5/7/1996	N	Historical	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW4	MW4-WG-19980224	2/24/1998	N	Historical	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW4	MW4-WG-19990224	2/24/1999	N	Historical	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW4	MW4-WG-20011024	10/24/2001	N	Historical	--	--	--	--	--	--	--	--	--	**1,100**	--	--
C-29/Former East Fuel Farm	MW4	MW-4-181107	11/7/2018	N	Baseline	--	--	--	--	--	--	--	--	--	--	**270**	--
C-29/Former East Fuel Farm	MW4	MW-4-20190830	8/30/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--	--	--	**690**	--
C-29/Former East Fuel Farm	MW4	MW-4-20240814	8/14/2024	N	TECT AO RI	--	0.1 U	0.1 U	0.1 U	0.1 U	**1.2**	0.1 U	0.1 U	--	--	**530**	--
C-29/Former East Fuel Farm	RIGW-2	RIGW-2-230926	9/26/2023	N	PhaseIII	--	--	--	--	--	--	--	--	--	--	50 U	--
C-29/Former East Fuel Farm	RIGW-2	RIGW-2-20240814	8/14/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	50 U	--
C-29/Former East Fuel Farm	RIGW-3	RIGW-3-230926	9/26/2023	N	PhaseIII	--	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	--	--	50 U	--
C-29/Former East Fuel Farm	RIGW-3	RIGW-3-20240814	8/14/2024	N	TECT AO RI	--	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	--	--	50 U	--
C-29/Former East Fuel Farm	RISB-111	RISB-111-GW-240619	6/19/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-116	RISB-116-GW	5/21/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-117	RISB-117-GW	5/22/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-30	RISB-30-GW	3/22/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-31	RISB-31-GW	4/9/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-41	RISB-41-GW	4/4/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	--	50 U	--
C-29/Former East Fuel Farm	RISB-42	RISB-42-GW	4/3/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	--	**110**	--
C-29/Former East Fuel Farm	RISB-43	RISB-43-GW	4/4/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	--	50 U	--
C-29/Former East Fuel Farm	RISB-44	RISB-44-GW	4/5/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	--	50 U	--
C-29/Former East Fuel Farm	RISB-45	RISB-45-GW	4/4/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	--	**6,800**	--
C-29/Former East Fuel Farm	RISB-45	DUP-GW-190404	4/4/2019	FD	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	--	**6,600**	--
C-29/Former East Fuel Farm	RISB-46	RISB-46-GW	4/3/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	--	**140**	--
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-47	RISB-47-GW	4/5/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	--	**69**	--
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-48	RISB-48-GW	4/5/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	--	50 U	--

Table 20
Former Building C-29 / Former East Fuel Farm – Detected Constituents in Groundwater
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

						SVOCs										TPH	
					Fraction:	N	N	N	N	N	N	N	N	N	N	N	N
					Analyte:	4-Nitrophenol	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Indeno(1,2,3-cd)pyrene	Phenol	Gasoline	Petroleum Hydrocarbons GRO C5-C12	Petroleum Hydrocarbons as Jet-A
					Detected:	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
					pCUL:										800	800	500
					Units:	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**												
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-52	RISB-52-GW	3/22/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-64	RISB-64-GW	8/30/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--	--	--	50 U	--
C-29/Former East Fuel Farm	RISB-65	RISB-65-GW	8/29/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--	--	--	50 U	--
C-29/Former East Fuel Farm	RISB-66	RISB-66-GW	8/29/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--	--	--	**500 J**	--
C-29/Former East Fuel Farm	RISB-67	RISB-67-GW	8/30/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--	--	--	**96 J**	--
C-29/Former East Fuel Farm	RISB-76	RISB-76-GW-221122	11/22/2022	N	PhaseIII	--	0.02 R	0.02 R	**0.031 J-**	0.02 R	0.02 R	0.02 R	0.02 R	--	--	**55 J-**	--
C-29/Former East Fuel Farm	RISB-77	RISB-77-GW-221123	11/23/2022	N	PhaseIII	--	--	--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-78	RISB-78-GW-221129	11/29/2022	N	PhaseIII	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-79	RISB-79-GW-221129	11/29/2022	N	PhaseIII	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RISB-80	RISB-80-GW-221108	11/8/2022	N	PhaseIII	--	**0.026 J-**	0.02 R	**0.041 J-**	0.02 R	**0.032 J-**	0.02 R	0.02 R	--	--	50 U	--
C-29/Former East Fuel Farm	SCPWD-1	SCPWD-1-WG-19990224	2/24/1999	N	Historical	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	SCPWD-1	SCPWD-1-181108	11/8/2018	N	Baseline	--	--	--	--	--	--	--	--	--	--	50 U	--
C-29/Former East Fuel Farm	SCPWD-1	SCPWD-1-20190829	8/29/2019	N	Investigation-PhaseII	--	--	--	--	--	--	--	--	--	--	50 U	--
C-29/Former East Fuel Farm	SCPWD-1	SCPWD-1-20240814	8/14/2024	N	TECT AO RI	--	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	--	--	50 U	--
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-241105	11/5/2024	N	TECT AO RI	--	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	--	--	**61 JZ**	--
C-29/Former East Fuel Farm	HMB1	HMB1-241106	11/6/2024	N	TECT AO RI	--	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	--	--	50 U	--
C-29/Former East Fuel Farm	MW1	MW-1-241105	11/5/2024	N	TECT AO RI	--	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	--	--	50 U	--
C-29/Former East Fuel Farm	MW1	MW-1-241108	11/8/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW2	MW-2-241106	11/6/2024	N	TECT AO RI	--	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	--	--	**120 Z**	--
C-29/Former East Fuel Farm	MW3	MW-3-241106	11/6/2024	N	TECT AO RI	--	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	--	--	**770 Z**	--
C-29/Former East Fuel Farm	MW4	MW-4-241106	11/6/2024	N	TECT AO RI	--	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	--	--	**550 Z**	--
C-29/Former East Fuel Farm	RIGW-2	RIGW-2-241108	11/8/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	RIGW-3	RIGW-3-241105	11/5/2024	N	TECT AO RI	--	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	--	--	50 U	--
C-29/Former East Fuel Farm	SCPWD-1	SCPWD-1-241105	11/5/2024	N	TECT AO RI	--	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U	--	--	50 U	--
C-29/Former East Fuel Farm	RISB-205	RISB-205-GW-250130	1/30/2025	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--	--

Table 20
Former Building C-29 / Former East Fuel Farm – Detected Constituents in Groundwater
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

						TPH			TPH with SGC		VOCs						
					Fraction:	N	N	N	N	N	N	N	N	N	N	N	N
					Analyte:	Petroleum Hydrocarbons as Diesel	Petroleum Hydrocarbons DRO C12-C24	Petroleum Hydrocarbons ORO C24-C40	Petroleum Hydrocarbons DRO C12-C24	Petroleum Hydrocarbons ORO C24-C40	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichloroethane	1,2-Dichloropropane
					Detected:	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
					pCUL:	500	500	500	500	500	200	0.77	7.7	7.0		0.48	1.2
					Units:	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**												
C-29/Former East Fuel Farm	AF-1	AF-1-WG-19960105	1/5/1996	N	Historical	--	--	--	--	--	--	--	--	--	**2.6**	--	--
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-WG-19960507	5/7/1996	N	Historical	--	--	--	--	--	--	--	--	5 U	--	--	--
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-WG-19990224	2/24/1999	N	Historical	--	--	--	--	--	--	--	--	--	--	**13**	--
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-181108	11/8/2018	N	Baseline	--	**1,400**	**450 J**	--	--	2 U	0.5 U	2 U	**71**	2 U	**1.5**	0.5 U
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-20190829	8/29/2019	N	Investigation-PhaseII	--	**720**	**600**	--	--	2 U	0.5 U	2 U	**95**	2 U	**2.3**	0.5 U
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-20240814	8/14/2024	N	TECT AO RI	--	**1,100**	**300**	**320**	250 U	2 U	0.5 U	2 U	**72**	2 U	**2.2**	0.5 U
C-29/Former East Fuel Farm	C29-MW2	C29-MW2-WG-19990507	5/7/1999	N	Historical	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-MW2	C29-MW2-181108	11/8/2018	N	Baseline	--	**160**	250 U	--	--	2 U	0.5 U	2 U	2 U	2 U	0.02 U	0.5 U
C-29/Former East Fuel Farm	C29-MW2	C29-MW2-20190905	9/5/2019	N	Investigation-PhaseII	--	130 U	250 U	--	--	2 U	0.5 U	2 U	2 U	2 U	0.02 U	0.5 U
C-29/Former East Fuel Farm	C29-MW2	C29-MW2-240813	8/13/2024	N	TECT AO RI	--	**290**	**970**	**200**	**980**	2 U	0.5 U	2 U	2 U	2 U	0.02 U	0.5 U
C-29/Former East Fuel Farm	HMB1	HMB1-WG-19990224	2/24/1999	N	Historical	--	--	--	--	--	--	--	--	5 U	--	5 U	--
C-29/Former East Fuel Farm	HMB1	HMB-1-181108	11/8/2018	N	Baseline	--	**230**	250 U	--	--	2 U	0.5 U	2 U	2 U	2 U	0.02 U	0.5 U
C-29/Former East Fuel Farm	HMB1	HMB1-20190829	8/29/2019	N	Investigation-PhaseII	--	**150**	**390**	--	--	2 U	0.5 U	2 U	2 U	2 U	0.02 U	0.5 U
C-29/Former East Fuel Farm	HMB1	HMB1-240813	8/13/2024	N	TECT AO RI	--	**130 U**	250 U	**150**	250 U	2 U	0.5 U	2 U	2 U	2 U	0.02 U	0.5 U
C-29/Former East Fuel Farm	MW1	MW1-WG-19940427	4/27/1994	N	Historical	1,000 U	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW1	MW1-WG-19960507	5/7/1996	N	Historical	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW1	MW1-WG-19980224	2/24/1998	N	Historical	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW1	MW1-WG-19990224	2/24/1999	N	Historical	--	--	--	--	--	--	--	--	**34**	--	5 U	--
C-29/Former East Fuel Farm	MW1	MW1-WG-20011024	10/24/2001	N	Historical	**320**	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW1	MW-1-181105	11/5/2018	N	Baseline	--	**270**	250 U	--	--	2 U	0.5 U	2 U	**24**	2 U	**8.4**	0.5 U
C-29/Former East Fuel Farm	MW1	MW-1-20190830	8/30/2019	N	Investigation-PhaseII	--	130 U	**360**	--	--	2 U	0.5 U	2 U	**24**	2 U	**6.8**	0.5 U
C-29/Former East Fuel Farm	MW1	MW-1-240813	8/13/2024	N	TECT AO RI	--	**400**	250 U	130 U	250 U	2 U	0.5 U	2 U	**17**	2 U	**5.0**	0.5 U
C-29/Former East Fuel Farm	MW2	MW2-WG-19940427	4/27/1994	N	Historical	1,000 U	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW2	MW2-WG-19960507	5/7/1996	N	Historical	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW2	MW2-WG-19980224	2/24/1998	N	Historical	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW2	MW2-WG-19990224	2/24/1999	N	Historical	--	--	--	--	--	--	--	--	**9**	--	**8**	--
C-29/Former East Fuel Farm	MW2	MW2-WG-20011024	10/24/2001	N	Historical	**150**	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW2	MW-2-181105	11/5/2018	N	Baseline	--	130 U	250 U	--	--	2 U	0.5 U	2 U	**2.0**	2 U	**2.1**	0.5 U
C-29/Former East Fuel Farm	MW2	MW-2-20190830	8/30/2019	N	Investigation-PhaseII	--	130 U	250 U	--	--	2 U	0.5 U	2 U	2 U	2 U	**1.1**	0.5 U
C-29/Former East Fuel Farm	MW2	MW-2-240813	8/13/2024	N	TECT AO RI	--	**180**	250 U	130 U	250 U	2 U	0.5 U	2 U	**5.1**	2 U	**3.2**	0.5 U
C-29/Former East Fuel Farm	MW3	MW3-WG-19940427	4/27/1994	N	Historical	1,000 U	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW3	MW3-WG-19960507	5/7/1996	N	Historical	--	--	--	--	--	--	--	--	--	--	--	--

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Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

						TPH			TPH with SGC		VOCs						
					Analyte Group:												
					Fraction:	N	N	N	N	N	N	N	N	N	N	N	N
					Analyte:	Petroleum Hydrocarbons as Diesel	Petroleum Hydrocarbons DRO C12-C24	Petroleum Hydrocarbons ORO C24-C40	Petroleum Hydrocarbons DRO C12-C24	Petroleum Hydrocarbons ORO C24-C40	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichloroethane	1,2-Dichloropropane
					Detected:	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
					pCUL:	500	500	500	500	500	200	0.77	7.7	7.0		0.48	1.2
					Units:	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**												
C-29/Former East Fuel Farm	MW3	MW3-WG-19980224	2/24/1998	N	Historical	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW3	MW3-WG-19990224	2/24/1999	N	Historical	--	--	--	--	--	--	--	--	**120**	--	**180**	--
C-29/Former East Fuel Farm	MW3	MW3-WG-20011024	10/24/2001	N	Historical	**380**	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW3	MW-3-181105	11/5/2018	N	Baseline	--	**270**	250 U	--	--	2 U	0.5 U	2 U	**11 J**	**13 J**	**7.8 J**	0.5 U
C-29/Former East Fuel Farm	MW3	MW-3-20190830	8/30/2019	N	Investigation-PhaseII	--	**140**	**300**	--	--	2 U	0.5 U	2 U	**19 J**	**6.1 J**	**7.7 J**	0.5 U
C-29/Former East Fuel Farm	MW3	MW-3-240813	8/13/2024	N	TECT AO RI	--	**370**	**290**	130 U	250 U	2 U	0.5 U	2 U	**11**	2 U	**3.7**	0.5 U
C-29/Former East Fuel Farm	MW4	MW4-WG-19940427	4/27/1994	N	Historical	1,000 U	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW4	MW4-WG-19960507	5/7/1996	N	Historical	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW4	MW4-WG-19980224	2/24/1998	N	Historical	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW4	MW4-WG-19990224	2/24/1999	N	Historical	--	--	--	--	--	--	--	--	5 U	--	5 U	--
C-29/Former East Fuel Farm	MW4	MW4-WG-20011024	10/24/2001	N	Historical	**990**	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW4	MW-4-181107	11/7/2018	N	Baseline	--	**490**	250 U	--	--	2 U	0.5 U	2 U	2 U	2 U	0.02 U	0.5 U
C-29/Former East Fuel Farm	MW4	MW-4-20190830	8/30/2019	N	Investigation-PhaseII	--	**800**	**350 J**	--	--	2 U	0.5 U	2 U	2 U	2 U	**0.26 J**	0.5 U
C-29/Former East Fuel Farm	MW4	MW-4-20240814	8/14/2024	N	TECT AO RI	--	**1,200**	250 U	**530**	250 U	2 U	0.5 U	2 U	2 U	2 U	0.02 U	0.5 U
C-29/Former East Fuel Farm	RIGW-2	RIGW-2-230926	9/26/2023	N	PhaseIII	--	**300**	250 U	**300**	250 U	2 U	0.5 U	2 U	2 U	2 U	**0.12**	0.5 U
C-29/Former East Fuel Farm	RIGW-2	RIGW-2-20240814	8/14/2024	N	TECT AO RI	--	--	--	--	--	2 U	0.5 U	2 U	2 U	2 U	**0.15**	0.5 U
C-29/Former East Fuel Farm	RIGW-3	RIGW-3-230926	9/26/2023	N	PhaseIII	--	130 U	250 U	--	--	2 U	0.5 U	2 U	**28**	2 U	**160**	**1.5**
C-29/Former East Fuel Farm	RIGW-3	RIGW-3-20240814	8/14/2024	N	TECT AO RI	--	210 U	250 U	130 U	250 U	2 U	0.5 U	2 U	**22**	2 U	**190**	**1.4**
C-29/Former East Fuel Farm	RISB-111	RISB-111-GW-240619	6/19/2024	N	TECT AO RI	--	--	--	--	--	2 U	0.5 U	2 U	2 U	2 U	0.02 U	0.5 U
C-29/Former East Fuel Farm	RISB-116	RISB-116-GW	5/21/2024	N	TECT AO RI	--	--	--	--	--	2 U	0.5 U	2 U	2 U	2 U	0.02 U	0.5 U
C-29/Former East Fuel Farm	RISB-117	RISB-117-GW	5/22/2024	N	TECT AO RI	--	--	--	--	--	2 U	0.5 U	2 U	2 U	2 U	0.02 U	0.5 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-30	RISB-30-GW	3/22/2019	N	ShallowInvest-PhaseI	--	**270**	250 U	--	--	2 U	0.5 U	2 U	2 U	2 U	0.02 U	0.5 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-31	RISB-31-GW	4/9/2019	N	ShallowInvest-PhaseI	--	--	--	--	--	2 U	0.5 U	2 U	2 U	2 U	0.02 U	0.5 U
C-29/Former East Fuel Farm	RISB-41	RISB-41-GW	4/4/2019	N	ShallowInvest-PhaseI	--	**150**	250 U	--	--	2 U	0.5 U	2 U	2 U	2 U	0.02 U	0.5 U
C-29/Former East Fuel Farm	RISB-42	RISB-42-GW	4/3/2019	N	ShallowInvest-PhaseI	--	260 U	**1,900**	--	--	2 U	0.5 U	2 U	**3.5**	2 U	**5.2**	0.5 U
C-29/Former East Fuel Farm	RISB-43	RISB-43-GW	4/4/2019	N	ShallowInvest-PhaseI	--	130 U	250 U	--	--	2 U	0.5 U	2 U	2 U	2 U	0.02 U	0.5 U
C-29/Former East Fuel Farm	RISB-44	RISB-44-GW	4/5/2019	N	ShallowInvest-PhaseI	--	**260**	250 U	--	--	2 U	0.5 U	2 U	**6.2**	2 U	**40**	**0.53**
C-29/Former East Fuel Farm	RISB-45	RISB-45-GW	4/4/2019	N	ShallowInvest-PhaseI	--	**2,200**	**5,000**	--	--	**28**	0.5 U	**71**	**190**	**2.2**	**290**	0.5 U
C-29/Former East Fuel Farm	RISB-45	DUP-GW-190404	4/4/2019	FD	ShallowInvest-PhaseI	--	**1,700**	**4,100**	--	--	**30**	0.5 U	**72**	**200**	**2.2**	**290**	0.5 U
C-29/Former East Fuel Farm	RISB-46	RISB-46-GW	4/3/2019	N	ShallowInvest-PhaseI	--	**690**	**1,500**	--	--	**15**	0.5 U	**11**	**30**	2 U	**14**	**0.78**
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-47	RISB-47-GW	4/5/2019	N	ShallowInvest-PhaseI	--	**460**	**380**	--	--	2 U	0.5 U	2 U	**67**	2 U	0.02 U	0.5 U
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-48	RISB-48-GW	4/5/2019	N	ShallowInvest-PhaseI	--	**3,400**	**6,500**	--	--	2 U	0.5 U	2 U	**23**	2 U	**130**	0.5 U

Table 20
Former Building C-29 / Former East Fuel Farm – Detected Constituents in Groundwater
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Analyte Group:						**TPH**			**TPH with SGC**		**VOCs**							
Fraction:						N	N	N	N	N	N	N	N	N	N	N	N	N
Analyte:						Petroleum Hydrocarbons as Diesel	Petroleum Hydrocarbons DRO C12-C24	Petroleum Hydrocarbons ORO C24-C40	Petroleum Hydrocarbons DRO C12-C24	Petroleum Hydrocarbons ORO C24-C40	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethane	1,1-Dichloroethene	1,2,4-Trimethylbenzene	1,2-Dichloroethane	1,2-Dichloropropane
Detected:						Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
pCUL:						500	500	500	500	500	200	0.77	7.7	7.0		0.48	1.2
Units:						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**													
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-52	RISB-52-GW	3/22/2019	N	ShallowInvest-Phasel	--	**220**	**350**	--	--	2 U	0.5 U	2 U	2 U	2 U	0.02 U	0.5 U
C-29/Former East Fuel Farm	RISB-64	RISB-64-GW	8/30/2019	N	Investigation-PhaseII	--	**240**	250 U	--	--	2 U	0.5 U	2 U	2 U	2 U	0.02 U	0.5 U
C-29/Former East Fuel Farm	RISB-65	RISB-65-GW	8/29/2019	N	Investigation-PhaseII	--	**140**	250 U	--	--	2 U	0.5 U	2 U	2 U	2 U	**8.3**	0.5 U
C-29/Former East Fuel Farm	RISB-66	RISB-66-GW	8/29/2019	N	Investigation-PhaseII	--	**600**	**530**	--	--	**150**	5 U	**200**	**190**	20 U	**1.7**	5 U
C-29/Former East Fuel Farm	RISB-67	RISB-67-GW	8/30/2019	N	Investigation-PhaseII	--	**250**	250 U	--	--	**3.7**	0.5 U	**190**	**97**	2 U	**0.69**	0.5 U
C-29/Former East Fuel Farm	RISB-76	RISB-76-GW-221122	11/22/2022	N	PhaseIII	--	**230 J**	**300**	--	--	2 U	0.5 U	2 U	**19**	2 U	**28**	0.5 U
C-29/Former East Fuel Farm	RISB-77	RISB-77-GW-221123	11/23/2022	N	PhaseIII	--	--	--	--	--	2 U	0.5 U	2 U	2 U	2 U	**0.076**	0.5 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-78	RISB-78-GW-221129	11/29/2022	N	PhaseIII	--	--	--	--	--	2 U	0.5 U	2 U	2 U	2 U	0.02 U	0.5 U
C-29/Former East Fuel Farm	RISB-79	RISB-79-GW-221129	11/29/2022	N	PhaseIII	--	--	--	--	--	2 U	0.5 U	2 U	2 U	2 U	0.02 U	0.5 U
C-29/Former East Fuel Farm	RISB-80	RISB-80-GW-221108	11/8/2022	N	PhaseIII	--	**350**	250 U	--	--	2 U	0.5 U	2 U	**3.9**	2 U	**270 J**	**1.0**
C-29/Former East Fuel Farm	SCPWD-1	SCPWD-1-WG-19990224	2/24/1999	N	Historical	--	--	--	--	--	--	--	--	**45**	--	5 U	--
C-29/Former East Fuel Farm	SCPWD-1	SCPWD-1-181108	11/8/2018	N	Baseline	--	**390 J**	**510**	**130 U**	**380**	2 U	0.5 U	2 U	**58**	2 U	0.02 U	0.5 U
C-29/Former East Fuel Farm	SCPWD-1	SCPWD-1-20190829	8/29/2019	N	Investigation-PhaseII	--	**260**	250 U	--	--	2 U	0.5 U	2 U	**66**	2 U	**0.17**	0.5 U
C-29/Former East Fuel Farm	SCPWD-1	SCPWD-1-20240814	8/14/2024	N	TECT AO RI	--	**350**	250 U	**130 U**	250 U	2 U	0.5 U	2 U	**70**	2 U	0.02 U	0.5 U
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-241105	11/5/2024	N	TECT AO RI	--	**490 Z**	250 U	**200 Z**	250 U	2 U	0.5 U	2 U	**39**	2 U	**1.2**	0.5 U
C-29/Former East Fuel Farm	HMB1	HMB1-241106	11/6/2024	N	TECT AO RI	--	130 U	250 U	130 U	250 U	2 U	0.5 U	2 U	2 U	2 U	0.02 U	0.5 U
C-29/Former East Fuel Farm	MW1	MW-1-241105	11/5/2024	N	TECT AO RI	--	**180 Z**	250 U	150 U	250 U	2 U	0.5 U	2 U	**16**	2 U	**5.5**	0.5 U
C-29/Former East Fuel Farm	MW1	MW-1-241108	11/8/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW2	MW-2-241106	11/6/2024	N	TECT AO RI	--	**150 Z**	250 U	130 U	250 U	2 U	0.5 U	2 U	**3.9**	2 U	**2.3**	0.5 U
C-29/Former East Fuel Farm	MW3	MW-3-241106	11/6/2024	N	TECT AO RI	--	**220 Z**	250 U	**140 Z**	250 U	2 U	0.5 U	2 U	**6.4**	2 U	**3.2**	0.5 U
C-29/Former East Fuel Farm	MW4	MW-4-241106	11/6/2024	N	TECT AO RI	--	**1,300 Z**	250 U	**1,000 Z**	250 U	2 U	0.5 U	2 U	2 U	2 U	0.02 U	0.5 U
C-29/Former East Fuel Farm	RIGW-2	RIGW-2-241108	11/8/2024	N	TECT AO RI	--	--	--	--	--	2 U	0.5 U	2 U	2 U	2 U	**0.15**	0.5 U
C-29/Former East Fuel Farm	RIGW-3	RIGW-3-241105	11/5/2024	N	TECT AO RI	--	130 U	250 U	130 U	250 U	2 U	0.5 U	**2.7**	**31**	2 U	**230**	**1.7**
C-29/Former East Fuel Farm	SCPWD-1	SCPWD-1-241105	11/5/2024	N	TECT AO RI	--	**240 Z**	250 U	130 U	250 U	2 U	0.5 U	2 U	**50**	2 U	**0.24**	0.5 U
C-29/Former East Fuel Farm	RISB-205	RISB-205-GW-250130	1/30/2025	N	TECT AO RI	--	--	--	--	--	2 U	2 U	2 U	2 U	--	2 U	2 U

Table 20
Former Building C-29 / Former East Fuel Farm – Detected Constituents in Groundwater
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

					Analyte Group:	VOCs														
					Fraction:	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
					Analyte:	1,3,5-Trimethylbenzene	4-Isopropyltoluene	Acetone	Benzene	Chloroethane	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	m-&p-Xylenes	Naphthalene	n-Propylbenzene	o-Xylene	Tetrachloroethene	Toluene
					Detected:	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
					pCUL:				1.6		15							5.0		
					Units:	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**															
C-29/Former East Fuel Farm	AF-1	AF-1-WG-19960105	1/5/1996	N	Historical	**2.5**	**2.0**	--	--	--	**13**	--	--	**1.1**	**2.4**	--	**1.1**	--	**4.8**
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-WG-19960507	5/7/1996	N	Historical	--	--	--	--	--	**21,000**	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-WG-19990224	2/24/1999	N	Historical	--	--	--	--	**27**	**26,000**	--	--	--	--	--	--	4 U	--
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-181108	11/8/2018	N	Baseline	2 U	2 U	25 U	**3.4**	2 U	**8,300**	2 U	2 U	--	2 U	2 U	--	2 U	**3.9**
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-20190829	8/29/2019	N	Investigation-PhaseII	2 U	--	25 U	**9.1**	2 U	**11,000**	2 U	2 U	--	2 U	2 U	--	2 U	**5.8**
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-20240814	8/14/2024	N	TECT AO RI	2 U	--	25 U	**5.5**	2 U	**8,200**	2 U	2 U	--	2 U	2 U	--	2 U	**5.1**
C-29/Former East Fuel Farm	C29-MW2	C29-MW2-WG-19990507	5/7/1999	N	Historical	--	--	--	--	--	**956**	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	C29-MW2	C29-MW2-181108	11/8/2018	N	Baseline	2 U	2 U	25 U	0.5 U	2 U	**99**	2 U	2 U	--	2 U	2 U	--	2 U	2 U
C-29/Former East Fuel Farm	C29-MW2	C29-MW2-20190905	9/5/2019	N	Investigation-PhaseII	2 U	--	25 U	0.5 U	2 U	**230**	2 U	2 U	--	2 U	2 U	--	2 U	2 U
C-29/Former East Fuel Farm	C29-MW2	C29-MW2-240813	8/13/2024	N	TECT AO RI	2 U	--	25 U	0.5 U	2 U	**220**	2 U	2 U	--	2 U	2 U	--	2 U	2 U
C-29/Former East Fuel Farm	HMB1	HMB1-WG-19990224	2/24/1999	N	Historical	--	--	--	--	5 U	5 U	--	--	--	--	--	--	4 U	--
C-29/Former East Fuel Farm	HMB1	HMB-1-181108	11/8/2018	N	Baseline	2 U	2 U	25 U	0.5 U	2 U	2 U	2 U	2 U	--	2 U	2 U	--	2 U	2 U
C-29/Former East Fuel Farm	HMB1	HMB1-20190829	8/29/2019	N	Investigation-PhaseII	2 U	--	25 U	0.5 U	2 U	2 U	2 U	2 U	--	2 U	2 U	--	2 U	2 U
C-29/Former East Fuel Farm	HMB1	HMB1-240813	8/13/2024	N	TECT AO RI	2 U	--	25 U	0.5 U	2 U	2 U	2 U	2 U	--	2 U	2 U	--	2 U	2 U
C-29/Former East Fuel Farm	MW1	MW1-WG-19940427	4/27/1994	N	Historical	--	--	--	**7.8**	--	--	**2**	--	--	--	--	--	--	**3.7**
C-29/Former East Fuel Farm	MW1	MW1-WG-19960507	5/7/1996	N	Historical	--	--	--	--	--	**3,730**	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW1	MW1-WG-19980224	2/24/1998	N	Historical	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW1	MW1-WG-19990224	2/24/1999	N	Historical	--	--	--	--	5 U	**6,700**	--	--	--	--	--	--	4 U	--
C-29/Former East Fuel Farm	MW1	MW1-WG-20011024	10/24/2001	N	Historical	--	--	--	**33**	--	--	10 U	--	--	--	--	--	--	10 U
C-29/Former East Fuel Farm	MW1	MW-1-181105	11/5/2018	N	Baseline	2 U	2 U	25 U	**42**	2 U	**5,500**	2 U	2 U	--	2 U	2 U	--	2 U	**2.8**
C-29/Former East Fuel Farm	MW1	MW-1-20190830	8/30/2019	N	Investigation-PhaseII	2 U	--	25 U	**36**	2 U	**5,300**	2 U	2 U	--	2 U	2 U	--	2 U	**2.8**
C-29/Former East Fuel Farm	MW1	MW-1-240813	8/13/2024	N	TECT AO RI	2 U	--	25 U	**40**	2 U	**3,200**	2 U	2 U	--	2 U	2 U	--	2 U	2 U
C-29/Former East Fuel Farm	MW2	MW2-WG-19940427	4/27/1994	N	Historical	--	--	--	**13**	--	--	**88**	--	--	--	--	--	--	**47**
C-29/Former East Fuel Farm	MW2	MW2-WG-19960507	5/7/1996	N	Historical	--	--	--	--	--	**301**	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW2	MW2-WG-19980224	2/24/1998	N	Historical	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW2	MW2-WG-19990224	2/24/1999	N	Historical	--	--	--	--	5 U	**2,600**	--	--	--	--	--	--	4 U	--
C-29/Former East Fuel Farm	MW2	MW2-WG-20011024	10/24/2001	N	Historical	--	--	--	**12**	--	--	**5**	--	--	--	--	--	--	**2**
C-29/Former East Fuel Farm	MW2	MW-2-181105	11/5/2018	N	Baseline	2 U	2 U	25 U	**2.8**	2 U	**330**	**4.7**	2 U	--	2 U	2 U	--	2 U	2 U
C-29/Former East Fuel Farm	MW2	MW-2-20190830	8/30/2019	N	Investigation-PhaseII	2 U	--	25 U	**3.2**	2 U	**230**	**3.9**	2 U	--	2 U	2 U	--	2 U	2 U
C-29/Former East Fuel Farm	MW2	MW-2-240813	8/13/2024	N	TECT AO RI	2 U	--	25 U	**9.6**	2 U	**980**	**17**	**3.4**	--	2 U	2 U	--	2 U	**3.5**
C-29/Former East Fuel Farm	MW3	MW3-WG-19940427	4/27/1994	N	Historical	--	--	--	**65**	--	--	**0.6**	--	--	--	--	--	--	**3.2**
C-29/Former East Fuel Farm	MW3	MW3-WG-19960507	5/7/1996	N	Historical	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 20
Former Building C-29 / Former East Fuel Farm – Detected Constituents in Groundwater
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

						VOCs													
					Fraction:	N	N	N	N	N	N	N	N	N	N	N	N	N	N
					Analyte:	1,3,5-Trimethylbenzene	4-Isopropyltoluene	Acetone	Benzene	Chloroethane	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	m-&p-Xylenes	Naphthalene	n-Propylbenzene	o-Xylene	Tetrachloroethene	Toluene
					Detected:	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
					pCUL:				1.6		15							5.0	
					Units:	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**														
C-29/Former East Fuel Farm	MW3	MW3-WG-19980224	2/24/1998	N	Historical	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW3	MW3-WG-19990224	2/24/1999	N	Historical	--	--	--	--	5 U	**9,400**	--	--	--	--	--	--	4 U	--
C-29/Former East Fuel Farm	MW3	MW3-WG-20011024	10/24/2001	N	Historical	--	--	--	**42**	--	--	10 U	--	--	--	--	--	--	10 U
C-29/Former East Fuel Farm	MW3	MW-3-181105	11/5/2018	N	Baseline	2 U	2 U	25 U	**21 J**	2 U	**1,300**	**110**	**25 J**	--	2 U	**5.0 J**	--	2 U	**24 J**
C-29/Former East Fuel Farm	MW3	MW-3-20190830	8/30/2019	N	Investigation-PhaseII	2 U	--	25 U	**16 J**	2 U	**2,300**	**100**	**28 J**	--	2 U	**8.0 J**	--	2 U	**19 J**
C-29/Former East Fuel Farm	MW3	MW-3-240813	8/13/2024	N	TECT AO RI	2 U	--	25 U	**9.2**	2 U	**1,800**	**58**	**23**	--	2 U	**5.7**	--	2 U	**7.0**
C-29/Former East Fuel Farm	MW4	MW4-WG-19940427	4/27/1994	N	Historical	--	--	--	**130**	--	--	**75**	--	--	--	--	--	--	**8.7**
C-29/Former East Fuel Farm	MW4	MW4-WG-19960507	5/7/1996	N	Historical	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW4	MW4-WG-19980224	2/24/1998	N	Historical	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW4	MW4-WG-19990224	2/24/1999	N	Historical	--	--	--	--	5 U	**83**	--	--	--	--	--	--	4 U	--
C-29/Former East Fuel Farm	MW4	MW4-WG-20011024	10/24/2001	N	Historical	--	--	--	**160**	--	--	**96**	--	--	--	--	--	--	10 U
C-29/Former East Fuel Farm	MW4	MW-4-181107	11/7/2018	N	Baseline	2 U	2 U	25 U	**3.3 J**	2 U	2 U	**11 J**	**13 J**	--	**2.8 J**	**3.8 J**	--	2 U	2 U
C-29/Former East Fuel Farm	MW4	MW-4-20190830	8/30/2019	N	Investigation-PhaseII	2 U	--	25 U	**8.5 J**	2 U	2 U	**39 J**	**23 J**	--	**2.9 J**	**8.1 J**	--	2 U	2 U
C-29/Former East Fuel Farm	MW4	MW-4-20240814	8/14/2024	N	TECT AO RI	2 U	--	25 U	**6.6**	2 U	2 U	**16**	**18**	--	**22**	**7.2**	--	2 U	2 U
C-29/Former East Fuel Farm	RIGW-2	RIGW-2-230926	9/26/2023	N	PhaseIII	2 U	2 U	25 U	**0.76**	2 U	2 U	2 U	2 U	--	2 U	2 U	--	2 U	2 U
C-29/Former East Fuel Farm	RIGW-2	RIGW-2-20240814	8/14/2024	N	TECT AO RI	2 U	--	25 U	0.5 U	2 U	**18**	2 U	2 U	--	2 U	2 U	--	2 U	2 U
C-29/Former East Fuel Farm	RIGW-3	RIGW-3-230926	9/26/2023	N	PhaseIII	2 U	2 U	25 U	0.5 U	2 U	**1,900**	2 U	2 U	--	2 U	2 U	--	2 U	2 U
C-29/Former East Fuel Farm	RIGW-3	RIGW-3-20240814	8/14/2024	N	TECT AO RI	2 U	--	25 U	0.5 U	2 U	**2,000**	2 U	2 U	--	2 U	2 U	--	2 U	2 U
C-29/Former East Fuel Farm	RISB-111	RISB-111-GW-240619	6/19/2024	N	TECT AO RI	2 U	--	25 U	0.5 U	2 U	**82**	2 U	2 U	--	2 U	2 U	--	2 U	2 U
C-29/Former East Fuel Farm	RISB-116	RISB-116-GW	5/21/2024	N	TECT AO RI	2 U	2 U	**27**	0.5 U	2 U	2 U	2 U	2 U	--	2 U	2 U	--	2 U	2 U
C-29/Former East Fuel Farm	RISB-117	RISB-117-GW	5/22/2024	N	TECT AO RI	2 U	2 U	25 U	0.5 U	2 U	2 U	2 U	2 U	--	2 U	2 U	--	2 U	2 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-30	RISB-30-GW	3/22/2019	N	ShallowInvest-PhaseI	2 U	--	25 U	0.5 U	2 U	**2.7**	2 U	2 U	--	2 U	2 U	--	2 U	2 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-31	RISB-31-GW	4/9/2019	N	ShallowInvest-PhaseI	2 U	--	25 U	0.5 U	2 U	2 U	2 U	2 U	--	2 U	2 U	--	2 U	2 U
C-29/Former East Fuel Farm	RISB-41	RISB-41-GW	4/4/2019	N	ShallowInvest-PhaseI	2 U	--	25 U	0.5 U	2 U	2 U	2 U	2 U	--	2 U	2 U	--	2 U	2 U
C-29/Former East Fuel Farm	RISB-42	RISB-42-GW	4/3/2019	N	ShallowInvest-PhaseI	2 U	--	25 U	**15**	2 U	**1,100**	**18**	**3.2**	--	2 U	2 U	--	2 U	**12**
C-29/Former East Fuel Farm	RISB-43	RISB-43-GW	4/4/2019	N	ShallowInvest-PhaseI	2 U	--	25 U	0.5 U	2 U	2 U	2 U	2 U	--	2 U	2 U	--	2 U	2 U
C-29/Former East Fuel Farm	RISB-44	RISB-44-GW	4/5/2019	N	ShallowInvest-PhaseI	2 U	--	25 U	0.5 U	2 U	**1,700**	2 U	2 U	--	2 U	2 U	--	2 U	2 U
C-29/Former East Fuel Farm	RISB-45	RISB-45-GW	4/4/2019	N	ShallowInvest-PhaseI	2 U	--	25 U	**1.1**	2 U	**2,600**	**4.9**	2 U	--	**2.3**	2 U	--	**9,700**	**38**
C-29/Former East Fuel Farm	RISB-45	DUP-GW-190404	4/4/2019	FD	ShallowInvest-PhaseI	2 U	--	25 U	0.5 U	2 U	**2,800**	**5.1**	2 U	--	**2.3**	2 U	--	**9,400**	**40**
C-29/Former East Fuel Farm	RISB-46	RISB-46-GW	4/3/2019	N	ShallowInvest-PhaseI	2 U	--	25 U	**0.51**	2 U	**5,100**	2 U	2 U	--	2 U	2 U	--	**250**	2 U
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-47	RISB-47-GW	4/5/2019	N	ShallowInvest-PhaseI	2 U	--	25 U	**2.0**	2 U	**2,200**	2 U	2 U	--	2 U	2 U	--	**5.5**	**12**
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-48	RISB-48-GW	4/5/2019	N	ShallowInvest-PhaseI	2 U	--	25 U	**4.0**	2 U	**3,600**	2 U	2 U	--	2 U	2 U	--	2 U	2 U

Table 20
Former Building C-29 / Former East Fuel Farm – Detected Constituents in Groundwater
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Analyte Group:						VOCs													
Fraction:						N	N	N	N	N	N	N	N	N	N	N	N	N	N
Analyte:						1,3,5-Trimethylbenzene	4-Isopropyltoluene	Acetone	Benzene	Chloroethane	cis-1,2-Dichloroethene	Ethylbenzene	Isopropylbenzene	m-&p-Xylenes	Naphthalene	n-Propylbenzene	o-Xylene	Tetrachloroethene	Toluene
Detected:						Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
pCUL:									1.6		15							5.0	
Units:						µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**														
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-52	RISB-52-GW	3/22/2019	N	ShallowInvest-PhaseI	2 U	--	25 U	**0.66**	2 U	**81**	2 U	2 U	--	2 U	2 U	--	2 U	2 U
C-29/Former East Fuel Farm	RISB-64	RISB-64-GW	8/30/2019	N	Investigation-PhaseII	2 U	--	25 U	0.5 U	2 U	2 U	2 U	2 U	--	2 U	2 U	--	2 U	2 U
C-29/Former East Fuel Farm	RISB-65	RISB-65-GW	8/29/2019	N	Investigation-PhaseII	2 U	--	25 U	0.5 U	2 U	**26**	2 U	2 U	--	2 U	2 U	--	2 U	2 U
C-29/Former East Fuel Farm	RISB-66	RISB-66-GW	8/29/2019	N	Investigation-PhaseII	20 U	--	250 U	5 U	20 U	**13,000**	20 U	20 U	--	20 U	20 U	--	**210**	20 U
C-29/Former East Fuel Farm	RISB-67	RISB-67-GW	8/30/2019	N	Investigation-PhaseII	2 U	--	25 U	**0.65**	**3.7**	**4,300**	2 U	2 U	--	2 U	2 U	--	**36**	**2.3**
C-29/Former East Fuel Farm	RISB-76	RISB-76-GW-221122	11/22/2022	N	PhaseIII	2 U	--	25 U	**2.1**	2 U	**280**	2 U	2 U	--	2 U	2 U	--	**7.1**	**2.9**
C-29/Former East Fuel Farm	RISB-77	RISB-77-GW-221123	11/23/2022	N	PhaseIII	2 U	--	25 U	0.5 U	2 U	**72**	2 U	2 U	--	2 U	2 U	--	2 U	2 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-78	RISB-78-GW-221129	11/29/2022	N	PhaseIII	2 U	--	25 U	0.5 U	2 U	2 U	2 U	2 U	--	2 U	2 U	--	2 U	2 U
C-29/Former East Fuel Farm	RISB-79	RISB-79-GW-221129	11/29/2022	N	PhaseIII	2 U	--	25 U	0.5 U	2 U	**4.6**	2 U	2 U	--	2 U	2 U	--	2 U	2 U
C-29/Former East Fuel Farm	RISB-80	RISB-80-GW-221108	11/8/2022	N	PhaseIII	2 U	2 U	25 U	0.5 U	2 U	**650 J**	2 U	2 U	--	2 U	2 U	--	2 U	2 U
C-29/Former East Fuel Farm	SCPWD-1	SCPWD-1-WG-19990224	2/24/1999	N	Historical	--	--	--	--	5 U	**7,400**	--	--	--	--	--	--	4 U	--
C-29/Former East Fuel Farm	SCPWD-1	SCPWD-1-181108	11/8/2018	N	Baseline	2 U	2 U	25 U	**3.7**	2 U	**7,300**	2 U	2 U	--	2 U	2 U	--	2 U	2 U
C-29/Former East Fuel Farm	SCPWD-1	SCPWD-1-20190829	8/29/2019	N	Investigation-PhaseII	2 U	--	25 U	**4.7**	2 U	**9,600**	2 U	2 U	--	2 U	2 U	--	2 U	2 U
C-29/Former East Fuel Farm	SCPWD-1	SCPWD-1-20240814	8/14/2024	N	TECT AO RI	2 U	--	25 U	**3.6**	2 U	**6,200**	2 U	2 U	--	2 U	2 U	--	2 U	2 U
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-241105	11/5/2024	N	TECT AO RI	2 U	2 U	25 U	**2.9**	2 U	**3,700**	2 U	2 U	--	2 U	2 U	--	2 U	**2.7**
C-29/Former East Fuel Farm	HMB1	HMB1-241106	11/6/2024	N	TECT AO RI	2 U	2 U	25 U	0.5 U	2 U	2 U	2 U	2 U	--	2 U	2 U	--	2 U	2 U
C-29/Former East Fuel Farm	MW1	MW-1-241105	11/5/2024	N	TECT AO RI	2 U	2 U	25 U	**40**	2 U	**2,800**	2 U	2 U	--	2 U	2 U	--	2 U	2 U
C-29/Former East Fuel Farm	MW1	MW-1-241108	11/8/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm	MW2	MW-2-241106	11/6/2024	N	TECT AO RI	2 U	2 U	25 UJ	**6.8**	**2.5**	**680**	**15**	**3.2**	--	2 U	2 U	--	2 U	**2.9**
C-29/Former East Fuel Farm	MW3	MW-3-241106	11/6/2024	N	TECT AO RI	2 U	2 U	25 U	**7.8**	2 U	**870**	**74**	**33**	--	2 U	**6.6**	--	2 U	**6.7**
C-29/Former East Fuel Farm	MW4	MW-4-241106	11/6/2024	N	TECT AO RI	2 U	2 U	25 U	**6.3**	2 U	2 U	**23**	**16**	--	**24**	**5.4**	--	2 U	2 U
C-29/Former East Fuel Farm	RIGW-2	RIGW-2-241108	11/8/2024	N	TECT AO RI	2 U	2 U	25 U	0.5 U	2 U	**22**	2 U	2 U	--	2 U	2 U	--	2 U	2 U
C-29/Former East Fuel Farm	RIGW-3	RIGW-3-241105	11/5/2024	N	TECT AO RI	2 U	2 U	25 U	0.5 U	2 U	**1,800**	2 U	2 U	--	2 U	2 U	--	2 U	2 U
C-29/Former East Fuel Farm	SCPWD-1	SCPWD-1-241105	11/5/2024	N	TECT AO RI	2 U	2 U	25 U	**4.3**	2 U	**6,800**	2 U	2 U	--	2 U	2 U	--	2 U	2 U
C-29/Former East Fuel Farm	RISB-205	RISB-205-GW-250130	1/30/2025	N	TECT AO RI	2 U	2 U	25 U	2 U	2 U	2 U	2 U	2 U	--	2 U	2 U	2 U	2 U	2 U

Table 20
Former Building C-29 / Former East Fuel Farm – Detected Constituents in Groundwater
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

					Analyte Group:	VOCs			
					Fraction:	N	N	N	N
					Analyte:	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride	Xylenes, Total
					Detected:	Y	Y	Y	Y
					pCUL:	73	2.3	0.10	
					Units:	µg/L	µg/L	µg/L	µg/L
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**				
C-29/Former East Fuel Farm	AF-1	AF-1-WG-19960105	1/5/1996	N	Historical	--	**31**	**4.8**	--
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-WG-19960507	5/7/1996	N	Historical	800 U	**74,700**	800 U	--
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-WG-19990224	2/24/1999	N	Historical	**490**	**18,000**	**80**	--
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-181108	11/8/2018	N	Baseline	**220**	**12,000**	**1,300**	**2.8**
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-20190829	8/29/2019	N	Investigation-PhaseII	**350**	**15,000**	**940**	2 U
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-20240814	8/14/2024	N	TECT AO RI	**350**	**17,000**	**1,300**	**2.4**
C-29/Former East Fuel Farm	C29-MW2	C29-MW2-WG-19990507	5/7/1999	N	Historical	80 U	**10,400**	80 U	--
C-29/Former East Fuel Farm	C29-MW2	C29-MW2-181108	11/8/2018	N	Baseline	**4.9**	**85**	**0.24**	2 U
C-29/Former East Fuel Farm	C29-MW2	C29-MW2-20190905	9/5/2019	N	Investigation-PhaseII	**3.3**	**250**	**0.27**	2 U
C-29/Former East Fuel Farm	C29-MW2	C29-MW2-240813	8/13/2024	N	TECT AO RI	2 U	**9.6**	**3.9**	2 U
C-29/Former East Fuel Farm	HMB1	HMB1-WG-19990224	2/24/1999	N	Historical	5 U	5 U	5 U	--
C-29/Former East Fuel Farm	HMB1	HMB-1-181108	11/8/2018	N	Baseline	2 U	0.5 U	0.02 U	2 U
C-29/Former East Fuel Farm	HMB1	HMB1-20190829	8/29/2019	N	Investigation-PhaseII	2 U	**0.72**	0.02 U	2 U
C-29/Former East Fuel Farm	HMB1	HMB1-240813	8/13/2024	N	TECT AO RI	2 U	0.5 U	**0.040**	2 U
C-29/Former East Fuel Farm	MW1	MW1-WG-19940427	4/27/1994	N	Historical	--	--	--	**1.8**
C-29/Former East Fuel Farm	MW1	MW1-WG-19960507	5/7/1996	N	Historical	**189**	**1,490**	80 U	--
C-29/Former East Fuel Farm	MW1	MW1-WG-19980224	2/24/1998	N	Historical	--	--	--	--
C-29/Former East Fuel Farm	MW1	MW1-WG-19990224	2/24/1999	N	Historical	**460**	**4,400**	**85**	--
C-29/Former East Fuel Farm	MW1	MW1-WG-20011024	10/24/2001	N	Historical	--	--	--	30 U
C-29/Former East Fuel Farm	MW1	MW-1-181105	11/5/2018	N	Baseline	**520**	**3,000**	**160**	2 U
C-29/Former East Fuel Farm	MW1	MW-1-20190830	8/30/2019	N	Investigation-PhaseII	**430**	**3,900**	**120**	2 U
C-29/Former East Fuel Farm	MW1	MW-1-240813	8/13/2024	N	TECT AO RI	**540**	**2,000**	**100**	2 U
C-29/Former East Fuel Farm	MW2	MW2-WG-19940427	4/27/1994	N	Historical	--	--	--	**470**
C-29/Former East Fuel Farm	MW2	MW2-WG-19960507	5/7/1996	N	Historical	8 U	**33.9**	**131**	--
C-29/Former East Fuel Farm	MW2	MW2-WG-19980224	2/24/1998	N	Historical	--	--	--	--
C-29/Former East Fuel Farm	MW2	MW2-WG-19990224	2/24/1999	N	Historical	**50**	**79**	**920**	--
C-29/Former East Fuel Farm	MW2	MW2-WG-20011024	10/24/2001	N	Historical	--	--	--	**4**
C-29/Former East Fuel Farm	MW2	MW-2-181105	11/5/2018	N	Baseline	**68**	**36**	**66**	**2.3**
C-29/Former East Fuel Farm	MW2	MW-2-20190830	8/30/2019	N	Investigation-PhaseII	**24**	**22**	**53**	2 U
C-29/Former East Fuel Farm	MW2	MW-2-240813	8/13/2024	N	TECT AO RI	**74**	**19**	**310**	2 U
C-29/Former East Fuel Farm	MW3	MW3-WG-19940427	4/27/1994	N	Historical	--	--	--	**1.8**
C-29/Former East Fuel Farm	MW3	MW3-WG-19960507	5/7/1996	N	Historical	--	--	--	--

Table 20
Former Building C-29 / Former East Fuel Farm – Detected Constituents in Groundwater
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

					Analyte Group:	**VOCs**			
					Fraction:	N	N	N	N
					Analyte:	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride	Xylenes, Total
					Detected:	Y	Y	Y	Y
					pCUL:	73	2.3	0.10	
					Units:	µg/L	µg/L	µg/L	µg/L
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**				
C-29/Former East Fuel Farm	MW3	MW3-WG-19980224	2/24/1998	N	Historical	--	--	--	--
C-29/Former East Fuel Farm	MW3	MW3-WG-19990224	2/24/1999	N	Historical	**530**	**7,900**	**440**	--
C-29/Former East Fuel Farm	MW3	MW3-WG-20011024	10/24/2001	N	Historical	--	--	--	30 U
C-29/Former East Fuel Farm	MW3	MW-3-181105	11/5/2018	N	Baseline	**220**	**150**	**1,400**	**11 J**
C-29/Former East Fuel Farm	MW3	MW-3-20190830	8/30/2019	N	Investigation-PhaseII	**230**	**890**	**1,500**	**8.4 J**
C-29/Former East Fuel Farm	MW3	MW-3-240813	8/13/2024	N	TECT AO RI	**220**	**590**	**700**	**3.9**
C-29/Former East Fuel Farm	MW4	MW4-WG-19940427	4/27/1994	N	Historical	--	--	--	**80**
C-29/Former East Fuel Farm	MW4	MW4-WG-19960507	5/7/1996	N	Historical	--	--	--	--
C-29/Former East Fuel Farm	MW4	MW4-WG-19980224	2/24/1998	N	Historical	--	--	--	--
C-29/Former East Fuel Farm	MW4	MW4-WG-19990224	2/24/1999	N	Historical	**58**	**19**	**1,100**	--
C-29/Former East Fuel Farm	MW4	MW4-WG-20011024	10/24/2001	N	Historical	--	--	--	130 U
C-29/Former East Fuel Farm	MW4	MW-4-181107	11/7/2018	N	Baseline	2 U	0.5 U	0.02 U	2 U
C-29/Former East Fuel Farm	MW4	MW-4-20190830	8/30/2019	N	Investigation-PhaseII	2 U	**2.6 J**	**0.50 J**	**3.1 J**
C-29/Former East Fuel Farm	MW4	MW-4-20240814	8/14/2024	N	TECT AO RI	2 U	**0.51**	**0.16**	**4.2**
C-29/Former East Fuel Farm	RIGW-2	RIGW-2-230926	9/26/2023	N	PhaseIII	2 U	**1.2**	**30**	2 U
C-29/Former East Fuel Farm	RIGW-2	RIGW-2-20240814	8/14/2024	N	TECT AO RI	2 U	**5.9**	**10**	2 U
C-29/Former East Fuel Farm	RIGW-3	RIGW-3-230926	9/26/2023	N	PhaseIII	**470**	**1,700**	**260**	2 U
C-29/Former East Fuel Farm	RIGW-3	RIGW-3-20240814	8/14/2024	N	TECT AO RI	**610**	**1,900**	**290**	2 U
C-29/Former East Fuel Farm	RISB-111	RISB-111-GW-240619	6/19/2024	N	TECT AO RI	2 U	**1.9**	**7.1**	2 U
C-29/Former East Fuel Farm	RISB-116	RISB-116-GW	5/21/2024	N	TECT AO RI	2 U	0.5 U	**0.066**	2 U
C-29/Former East Fuel Farm	RISB-117	RISB-117-GW	5/22/2024	N	TECT AO RI	2 U	0.5 U	0.02 U	2 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-30	RISB-30-GW	3/22/2019	N	ShallowInvest-PhaseI	2 U	0.5 U	**0.19**	2 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-31	RISB-31-GW	4/9/2019	N	ShallowInvest-PhaseI	2 U	0.5 U	**0.089**	2 U
C-29/Former East Fuel Farm	RISB-41	RISB-41-GW	4/4/2019	N	ShallowInvest-PhaseI	2 U	0.5 U	**0.11**	2 U
C-29/Former East Fuel Farm	RISB-42	RISB-42-GW	4/3/2019	N	ShallowInvest-PhaseI	**110**	**19**	**590**	**3.1**
C-29/Former East Fuel Farm	RISB-43	RISB-43-GW	4/4/2019	N	ShallowInvest-PhaseI	2 U	0.5 U	0.02 U	2 U
C-29/Former East Fuel Farm	RISB-44	RISB-44-GW	4/5/2019	N	ShallowInvest-PhaseI	**120**	**1,100**	**73**	2 U
C-29/Former East Fuel Farm	RISB-45	RISB-45-GW	4/4/2019	N	ShallowInvest-PhaseI	**82**	**340,000**	**110**	**29**
C-29/Former East Fuel Farm	RISB-45	DUP-GW-190404	4/4/2019	FD	ShallowInvest-PhaseI	**72**	**340,000**	**110**	**30**
C-29/Former East Fuel Farm	RISB-46	RISB-46-GW	4/3/2019	N	ShallowInvest-PhaseI	**46**	**17,000**	**85**	2 U
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-47	RISB-47-GW	4/5/2019	N	ShallowInvest-PhaseI	**320**	**24,000**	**52**	2 U
C-29/Former East Fuel Farm; Building C-23 and C-23 Annex	RISB-48	RISB-48-GW	4/5/2019	N	ShallowInvest-PhaseI	**560**	**2,300**	**480**	2 U

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Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Analyte Group:						VOCs			
Fraction:						N	N	N	N
Analyte:						trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride	Xylenes, Total
Detected:						Y	Y	Y	Y
pCUL:						73	2.3	0.10	
Units:						µg/L	µg/L	µg/L	µg/L
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**				
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-52	RISB-52-GW	3/22/2019	N	ShallowInvest-PhaseI	**28**	**85**	**4.4**	2 U
C-29/Former East Fuel Farm	RISB-64	RISB-64-GW	8/30/2019	N	Investigation-PhaseII	2 U	**18**	**0.058**	2 U
C-29/Former East Fuel Farm	RISB-65	RISB-65-GW	8/29/2019	N	Investigation-PhaseII	2 U	**160**	**1.8**	2 U
C-29/Former East Fuel Farm	RISB-66	RISB-66-GW	8/29/2019	N	Investigation-PhaseII	**78**	**71,000**	**270**	20 U
C-29/Former East Fuel Farm	RISB-67	RISB-67-GW	8/30/2019	N	Investigation-PhaseII	**41**	**49,000**	**200**	2 U
C-29/Former East Fuel Farm	RISB-76	RISB-76-GW-221122	11/22/2022	N	PhaseIII	**11**	**1,200 J**	**19**	2 U
C-29/Former East Fuel Farm	RISB-77	RISB-77-GW-221123	11/23/2022	N	PhaseIII	2 U	**20**	**10**	2 U
Building C-23 and C-23 Annex; C-29/Former East Fuel Farm	RISB-78	RISB-78-GW-221129	11/29/2022	N	PhaseIII	2 U	0.5 U	0.02 U	2 U
C-29/Former East Fuel Farm	RISB-79	RISB-79-GW-221129	11/29/2022	N	PhaseIII	2 U	**9.0**	**0.16**	2 U
C-29/Former East Fuel Farm	RISB-80	RISB-80-GW-221108	11/8/2022	N	PhaseIII	**37**	**1,200 J**	**9.8**	2 U
C-29/Former East Fuel Farm	SCPWD-1	SCPWD-1-WG-19990224	2/24/1999	N	Historical	**79**	**17,000**	**880**	--
C-29/Former East Fuel Farm	SCPWD-1	SCPWD-1-181108	11/8/2018	N	Baseline	**180**	**6,600**	**1,500**	2 U
C-29/Former East Fuel Farm	SCPWD-1	SCPWD-1-20190829	8/29/2019	N	Investigation-PhaseII	**180**	**10,000**	**1,600**	2 U
C-29/Former East Fuel Farm	SCPWD-1	SCPWD-1-20240814	8/14/2024	N	TECT AO RI	**190**	**7,900**	**1,400**	2 U
C-29/Former East Fuel Farm	C29-MW1	C29-MW1-241105	11/5/2024	N	TECT AO RI	**130**	**12,000**	**630**	2 U
C-29/Former East Fuel Farm	HMB1	HMB1-241106	11/6/2024	N	TECT AO RI	2 U	0.5 U	**0.069**	2 U
C-29/Former East Fuel Farm	MW1	MW-1-241105	11/5/2024	N	TECT AO RI	**390**	**1,800**	**55**	2 U
C-29/Former East Fuel Farm	MW1	MW-1-241108	11/8/2024	N	TECT AO RI	--	--	--	--
C-29/Former East Fuel Farm	MW2	MW-2-241106	11/6/2024	N	TECT AO RI	**70**	**24 J**	**280**	2 U
C-29/Former East Fuel Farm	MW3	MW-3-241106	11/6/2024	N	TECT AO RI	**110**	**210**	**500**	**6.4**
C-29/Former East Fuel Farm	MW4	MW-4-241106	11/6/2024	N	TECT AO RI	2 U	0.5 U	**0.21**	**4.6**
C-29/Former East Fuel Farm	RIGW-2	RIGW-2-241108	11/8/2024	N	TECT AO RI	2 U	**7.6**	**6.5**	2 U
C-29/Former East Fuel Farm	RIGW-3	RIGW-3-241105	11/5/2024	N	TECT AO RI	**470**	**2,600**	**270**	2 U
C-29/Former East Fuel Farm	SCPWD-1	SCPWD-1-241105	11/5/2024	N	TECT AO RI	**130**	**7,600**	**1,200**	2 U
C-29/Former East Fuel Farm	RISB-205	RISB-205-GW-250130	1/30/2025	N	TECT AO RI	2 U	2 U	0.2 U	2 U

Table 20
Former Building C-29 / Former East Fuel Farm – Detected Constituents in Groundwater
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Shading

Bold text indicates detected analyte**.**

Blue shading = exceeds project SL

Fraction

D = dissolved

T = total

N = normal (for non metals, fraction doesn't apply)

Qualifiers:

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

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

J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

JZ = The result is an estimated quantity. The analytical result indicate potential matrix interference.

J- = The result is an estimated quantity and the result may be biased low.

R = The data are unusable. The sample results are rejected due to serious deficiencies in meeting quality control criteria. The analyte may or may not be present in the sample.

Z = See laboratory report for hydrocarbon identification

Abbreviations and Acronyms:

-- = not analyzed

AO = Agreed Order

CAS = Chemical Abstracts Service

FD = field duplicate sample

ID = identification

µg/L = micrograms per liter

MTCA = Model Toxics Control Act

N = primary sample

RI = remedial investigation

RN = registry number

SGC = silica-gel cleanup

SL = screening level

SVOC = semivolatile organic compound

TPH = total petroleum hydrocarbons

VOC = volatile organic compound

Table 21
Former Building C-29 / Former East Fuel Farm – Detected Constituents in Soil Gas Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

					Analyte:	1,1,1-Trichloroethane	1,1-Dichloroethane	1,2-Dichloroethane	1,4-Dioxane	Benzene	cis-1,2-Dichloroethene	Tetrachloroethene	Trichloroethene	Vinyl Chloride
					AO RI SL:		240			50		1,500	95	44
					Units:	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3	µg/m^3
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**									
C-29/Former East Fuel Farm	RISG-209	RISG-209-20240808	8/8/2024	N	TECT AO RI	120 U	**570**	110 U	260 U	140 U	**260,000**	**9,400**	**92,000**	**21,000**
C-29/Former East Fuel Farm	RISG-210	RISG-210-20240808	8/8/2024	N	TECT AO RI	**2.3**	**8.2**	**1.3**	2.7 U	1.5 U	**31,000**	**420**	**27,000**	**70**
C-29/Former East Fuel Farm	RISG-211	RISG-211-20240808	8/8/2024	N	TECT AO RI	**330**	**140**	**120**	**93**	**1,300**	**1,500**	**2,400**	**51,000**	**43**
C-29/Former East Fuel Farm	RISG-212	RISG-212-20240808	8/8/2024	N	TECT AO RI	**17**	1.8 U	0.96 U	2.3 U	**3.1**	**61**	**760**	**17,000**	2.1 U
C-29/Former East Fuel Farm	RISG-213	RISG-213-20240808	8/8/2024	N	TECT AO RI	**47**	**24**	0.95 U	2.3 U	**1.6**	**310**	**890**	**50,000**	2.1 U
C-29/Former East Fuel Farm	RISG-214	RISG-214-20240809	8/9/2024	N	TECT AO RI	22 U	**74**	20 U	48 U	26 U	**28,000**	**1,100**	**12,000**	**2,300**
C-29/Former East Fuel Farm	RISG-215	RISG-215-20240808	8/8/2024	N	TECT AO RI	**120**	190 U	100 U	250 U	140 U	**300,000**	**96,000**	**170,000**	**12,000**
C-29/Former East Fuel Farm	RISG-216	RISG-216-20240808	8/8/2024	N	TECT AO RI	1.2 U	**6.2**	**2.1**	2.5 U	**13**	**860**	**16**	**310**	**30**
C-29/Former East Fuel Farm	RISG-217	RISG-217-20240808	8/8/2024	N	TECT AO RI	57 U	96 U	51 U	120 U	67 U	**56,000**	**490**	**160,000**	**7,100**
C-29/Former East Fuel Farm	RISG-218	RISG-218-20240809	8/9/2024	N	TECT AO RI	0.27 U	0.45 U	**1.0**	0.57 U	**14**	**15**	**0.67**	**5.6**	**6.9**
C-29/Former East Fuel Farm	RISG-100	RISG-100-191210	12/10/2019	N	Investigation-PhaseII	1.8 U	1.9 U	**--**	--	**3.2**	**--**	1.8 U	**9.1**	1.8 U
C-29/Former East Fuel Farm	RISG-101	RISG-101-191210	12/10/2019	N	Investigation-PhaseII	2.4 U	2.5 U	**--**	--	2.4 U	**--**	2.4 U	2.4 U	2.4 U
C-29/Former East Fuel Farm	RISG-102	RISG-102-191210	12/10/2019	N	Investigation-PhaseII	3.3 U	3.3 U	**--**	--	**5.7**	**--**	3.1 U	**10**	**210**
C-29/Former East Fuel Farm	RISG-42	RISG-42-190404	4/4/2019	N	ShallowInvest-PhaseI	80 U	77 U	--	--	77 U	--	79 U	79 U	**2,000**

Notes:

Bold text indicates detected analyte**.**

Blue shading = exceeds project SL

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

Abbreviations and Acronyms:

-- = not analyzed

µg/m^3 = micrograms per cubic meter

AO = Agreed Order

ID = identification

N = primary sample

RI = remedial investigation

SL = screening level

Table 22
Deep Aquifer – Detected Constituents in Soil
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Analyte Group:						Paine Soil VOCs					
Analyte:						cis-1,2-Dichloroethene	1,1-Dichloroethene	Methylene Chloride	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride
pCUL						79	46		520	25	1.7
Units:						µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**						
C-19; Deep Aquifer	DW1	DW1-SO-117-20001212	12/12/2000	N	Historical	10 U	--	--	10 U	10 U	--
C-19; Deep Aquifer	DW1	DW1-SO-137-20001212	12/12/2000	N	Historical	10 U	--	--	10 U	10 U	--
C-19; Deep Aquifer	DW1	DW1-SO-57.5-20001212	12/12/2000	N	Historical	10 U	--	--	10 U	**10**	--
C-19; Deep Aquifer	DW1	DW1-SO-77-20001212	12/12/2000	N	Historical	10 U	--	--	10 U	10 U	--
C-19; Deep Aquifer	DW1	DW1-SO-97.5-20001212	12/12/2000	N	Historical	10 U	--	--	10 U	10 U	--
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW2-SO-117-20001212	12/12/2000	N	Historical	10 U	--	--	10 U	10 U	--
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW2-SO-17-20001212	12/12/2000	N	Historical	**87**	--	--	10 U	120 U	--
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW2-SO-27-20001212	12/12/2000	N	Historical	**200**	--	--	10 U	**480**	--
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW2-SO-37-20001212	12/12/2000	N	Historical	10 U	--	--	10 U	10 U	--
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW2-SO-47-20001212	12/12/2000	N	Historical	10 U	--	--	10 U	10 U	--
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW2-SO-57-20001212	12/12/2000	N	Historical	10 U	--	--	10 U	10 U	--
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW2-SO-7-20001212	12/12/2000	N	Historical	**46**	--	--	**12**	**380**	--
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW2-SO-98.5-20001212	12/12/2000	N	Historical	10 U	--	--	10 U	10 U	--
Building C-23 and C-23 Annex; Deep Aquifer	DW3	DW3-SO-136-20001212	12/12/2000	N	Historical	10 U	--	--	10 U	10 U	--
Building C-23 and C-23 Annex; Deep Aquifer	DW3	DW3-SO-151-20001212	12/12/2000	N	Historical	10 U	--	--	10 U	10 U	--
Building C-23 and C-23 Annex; Deep Aquifer	DW3	DW3-SO-36-20001212	12/12/2000	N	Historical	10 U	--	--	10 U	10 U	--
Building C-23 and C-23 Annex; Deep Aquifer	DW3	DW3-SO-66-20001212	12/12/2000	N	Historical	10 U	--	--	10 U	10 U	--
Building C-23 and C-23 Annex; Deep Aquifer	DW3	DW3-SO-7-20001212	12/12/2000	N	Historical	10 U	--	--	10 U	10 U	--
Building C-23 and C-23 Annex; Deep Aquifer	DW3	DW3-SO-76-20001212	12/12/2000	N	Historical	10 U	--	--	10 U	10 U	--
Deep Aquifer	RIDW-1	RIDW-1-(23-25')	12/3/2018	N	DeepWellInstall	1.5 UJ	1.5 UJ	1.6 UJ	10 UJ	1.5 UJ	0.05 UJ
Deep Aquifer	RIDW-1	RIDW-1-(49-50')	12/3/2018	N	DeepWellInstall	1.5 UJ	1.5 UJ	1.5 UJ	10 UJ	1.5 UJ	0.05 UJ
Deep Aquifer	RIDW-1	SOIL DUP-1	12/3/2018	FD	DeepWellInstall	1.5 UJ	1.5 UJ	1.5 UJ	10 UJ	1.5 UJ	0.05 UJ
Deep Aquifer	RIDW-1	RIDW-1-(57.5-60')	12/5/2018	N	DeepWellInstall	1.5 UJ	1.5 UJ	1.5 UJ	10 UJ	1.5 UJ	0.05 UJ
Deep Aquifer	RIDW-1	RIDW-1-(81.5-82.5')	12/5/2018	N	DeepWellInstall	1.5 U	1.5 U	1.5 U	10 U	1.5 U	0.05 U
Deep Aquifer	RIDW-1	RIDW-1-(105-107.5')	12/5/2018	N	DeepWellInstall	1.5 U	1.5 U	1.6 U	10 U	1.5 U	0.05 U
Deep Aquifer	RIDW-1	RIDW-1-(135-137.5')	12/6/2018	N	DeepWellInstall	1.5 U	1.5 U	1.5 U	10 U	1.5 U	0.05 U
Deep Aquifer	RIDW-2	RIDW-2-(20-22.5')	12/7/2018	N	DeepWellInstall	1.5 U	1.5 U	1.5 U	10 U	1.5 U	0.05 U
Deep Aquifer	RIDW-2	RIDW-2-(37.5-40')	12/7/2018	N	DeepWellInstall	1.5 U	1.5 U	1.5 U	10 U	1.5 U	0.05 U
Deep Aquifer	RIDW-2	RIDW-2-(50-52')	12/7/2018	N	DeepWellInstall	1.5 U	1.5 U	1.8 U	10 U	1.5 U	0.05 U
Deep Aquifer	RIDW-2	RIDW-2-(90-92')	12/8/2018	N	DeepWellInstall	1.5 U	1.5 U	1.8 U	10 U	1.5 U	0.05 U
Deep Aquifer	RIDW-2	RIDW-2-(105-107.5')	12/8/2018	N	DeepWellInstall	1.5 U	1.5 U	1.5 U	10 U	1.5 U	0.05 U
Deep Aquifer	RIDW-2	RIDW-2-(125-127.5')	12/10/2018	N	DeepWellInstall	1.5 U	1.5 U	1.8 U	10 U	1.5 U	0.05 U
Deep Aquifer	RIDW-3	RIDW-3-(12.5-15')	12/11/2018	N	DeepWellInstall	1.5 U	1.5 U	1.5 U	10 U	1.5 U	0.05 U
Deep Aquifer	RIDW-3	RIDW-3-(45-47.5')	12/11/2018	N	DeepWellInstall	1.5 U	1.5 U	1.5 U	10 U	1.5 U	0.05 U
Deep Aquifer	RIDW-3	RIDW-3-(70-72.5')	12/12/2018	N	DeepWellInstall	1.5 U	1.5 U	1.5 U	10 U	1.5 U	0.05 U
Deep Aquifer	RIDW-3	RIDW-3-(95-97.5')	12/12/2018	N	DeepWellInstall	1.5 U	1.5 U	2 U	10 U	1.5 U	0.05 U
Deep Aquifer	RIDW-3	RIDW-3-(110-112.5')	12/12/2018	N	DeepWellInstall	1.5 U	1.5 U	1.5 U	10 U	1.5 U	0.05 U
Deep Aquifer	RIDW-3	RIDW-3-(130-132.5')	12/13/2018	N	DeepWellInstall	1.5 U	1.5 U	1.5 U	10 U	1.5 U	0.05 U

Table 22
Deep Aquifer – Detected Constituents in Soil
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Analyte Group:						Paine Soil VOCs					
Analyte:						cis-1,2-Dichloroethene	1,1-Dichloroethene	Methylene Chloride	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride
pCUL						79	46		520	25	1.7
Units:						µg/kg	µg/kg	µg/kg	µg/kg	µg/kg	µg/kg
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**						
Deep Aquifer	RIDW-4	RIDW-4-(24-25')	9/4/2019	N	Investigation-PhaseII	1.5 U	1.5 U	1.5 U	10 U	1.5 U	0.05 U
Deep Aquifer	RIDW-4	RIDW-4-(66-67')	9/5/2019	N	Investigation-PhaseII	1.5 U	1.5 U	1.5 U	10 U	1.5 U	0.05 U
Deep Aquifer	RIDW-4	RIDW-4-(126-127')	9/5/2019	N	Investigation-PhaseII	1.5 U	1.5 U	1.5 U	10 U	1.5 U	0.05 U
Deep Aquifer	RIDW-5	RIDW-5-(36.5-37.5')	11/10/2022	N	PhaseIII	1.5 U	1.5 U	1.6 U	10 U	1.5 U	0.05 U
Deep Aquifer	RIDW-5	RIDW-5-(95.5-96.5')	11/11/2022	N	PhaseIII	1.5 U	1.5 U	1.5 U	10 U	1.5 U	0.05 U
Deep Aquifer	RIDW-5	RIDW-5-(136-137')	11/11/2022	N	PhaseIII	1.5 U	1.5 U	1.5 U	10 U	1.5 U	0.05 U
Deep Aquifer	RIDW-6	RIDW-6-(25-26')	11/15/2022	N	PhaseIII	1.5 U	1.5 U	1.5 U	10 U	1.5 U	0.05 U
Deep Aquifer	RIDW-6	RIDW-6-(56-57')	11/15/2022	N	PhaseIII	1.5 U	1.5 U	1.5 U	10 U	1.5 U	0.05 U
Deep Aquifer	RIDW-6	DUP-SOIL-221116	11/16/2022	FD	PhaseIII	1.5 U	1.5 U	1.5 U	10 U	1.5 U	0.05 U
Deep Aquifer	RIDW-6	RIDW-6-(133.5-134.5')	11/16/2022	N	PhaseIII	1.5 U	1.5 U	1.5 U	10 U	1.5 U	0.05 U
Deep Aquifer	RIDW-7	RIDW-7-S-13-14	6/13/2024	N	TECT AO RI	**200 J**	1.5 UJ	**2.7 J**	10 UJ	**25,000 J**	**8.8 J**
Deep Aquifer	RIDW-7	RIDW-7-S-16-17	6/13/2024	N	TECT AO RI	**200 J**	**1.9 J**	**10 J**	**15 J**	**25,000 J**	**3.5 J**
Deep Aquifer	RIDW-7	RIDW-7-S-28-29	6/13/2024	N	TECT AO RI	1.5 UJ	1.5 UJ	1.6 UJ	10 UJ	**1.5 J**	0.05 UJ
Deep Aquifer	RIDW-7	RIDW-7-S-41-42	6/13/2024	N	TECT AO RI	**5.5 J**	1.5 UJ	**2.6 J**	10 UJ	**3,000 J**	0.05 UJ
Deep Aquifer	RIDW-7	RIDW-7-S-66-67	6/13/2024	N	TECT AO RI	1.5 UJ	1.5 UJ	1.5 UJ	10 UJ	1.5 UJ	0.05 UJ
Deep Aquifer	RIDW-7	RIDW-7-S-47-48	6/13/2024	N	TECT AO RI	**12 J**	1.5 UJ	1.5 UJ	10 UJ	**4,000 J**	**0.17 J**
Deep Aquifer	RIDW-7	RIDW-7-S-56-57	6/13/2024	N	TECT AO RI	1.5 UJ	1.5 UJ	1.5 UJ	10 UJ	1.5 UJ	0.05 UJ

Notes:

Bold text indicates detected analyte**.**
Blue shading = exceeds project SL
U = The analyte was analyzed for, but was not detected above the level of the reported sample quantitation limit.
UJ = The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

Abbreviations and Acronyms:

-- = not analyzed
µg/kg = micrograms per kilogram
AO = Agreed Order
FD = field duplicate
ID = identification
N = primary sample
pCUL = preliminary cleanup level
RI = remedial investigation
SL = screening level
VOC = volatile organic compound

Table 23
Deep Aquifer – Detected Constituents in Groundwater
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

						Analyte Group:	Paine Groundwater Conventionals				Paine Groundwater Metals					
						Fraction:	N	N	N	N	D	T	D	T	D	T
						Analyte:	Methane	Nitrogen, Nitrate (as N)	Sulfate	Total Organic Carbon	Arsenic	Arsenic	Chromium, Total	Chromium, Total	Lead	Lead
						Detected:	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
						pCUL:		10,000			13.6	13.6	50	50	15	15
						Units:	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**											
C-19; Deep Aquifer	DW1	DW1-WG-19991228	12/28/1999	N	Historical		--	--	--	--	--	--	--	--	--	--
C-19; Deep Aquifer	DW1	DW1-WG-20000308	3/8/2000	N	Historical		--	--	--	--	--	--	--	--	--	--
C-19; Deep Aquifer	DW1	DW1-WG-20011024	10/24/2001	N	Historical		--	--	--	--	--	--	--	--	--	--
C-19; Deep Aquifer	DW1	DW1-WG-20031017	10/17/2003	N	ChlorSolv-Aq		--	--	--	--	--	--	--	--	--	--
C-19; Deep Aquifer	DW1	DW-1-181107	11/7/2018	N	Baseline		10 U	**1,300**	**11,000**	1,000 U	--	--	--	--	--	--
C-19; Deep Aquifer	DW1	DW1-190912	9/12/2019	N	Investigation-PhaseII		10 U	**1,200**	**11,000**	1,000 U	--	--	--	--	--	--
C-19; Deep Aquifer	DW1	DW-1-240604	6/4/2024	N	TECT AO RI		--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW2-WG-19991228	12/28/1999	N	Historical		--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW2-WG-20000308	3/8/2000	N	Historical		--	--	--	--	--	--	--	--	--	--
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DUP-181107	11/7/2018	FD	Baseline		10 U	**1,500**	**14,000**	**1,500**	--	--	--	--	--	--
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW-2-181107	11/7/2018	N	Baseline		10 U	**1,400**	**12,000**	**1,400**	--	--	--	--	--	--
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW2-190910	9/10/2019	N	Investigation-PhaseII		10 U	**1,400**	**18,000**	1,000 U	--	--	--	--	--	--
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW-2-240605	6/5/2024	N	TECT AO RI		--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex; Deep Aquifer	DW3	DW3-WG-20000519	5/19/2000	N	Historical		--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex; Deep Aquifer	DW3	DW-3-181107	11/7/2018	N	Baseline		10 U	**3,100**	**10,000**	1,000 U	--	--	--	--	--	--
Building C-23 and C-23 Annex; Deep Aquifer	DW3	DW3-190912	9/12/2019	N	Investigation-PhaseII		10 U	**4,800**	**13,000**	1,000 U	--	--	--	--	--	--
Building C-23 and C-23 Annex; Deep Aquifer	DW3	DW3-240813	8/13/2024	N	TECT AO RI		--	--	--	--	--	--	--	--	--	--
Building C-23 and C-23 Annex; Deep Aquifer	DW3	DW3-241107	11/7/2024	N	TECT AO RI		--	--	--	--	--	--	--	--	--	--
Deep Aquifer	RIDW-1	GWDUP-1-190128	1/28/2019	FD	DeepWellInstall		10 U	150 U	**11,000**	**4,100**	--	--	--	--	--	--
Deep Aquifer	RIDW-1	RIDW-1-190128	1/28/2019	N	DeepWellInstall		10 U	150 U	**13,000**	**4,300**	--	--	--	--	--	--
Deep Aquifer	RIDW-1	RIDW-1-190912	9/12/2019	N	Investigation-PhaseII		10 U	150 U	**7,400**	1,000 U	--	--	--	--	--	--
Deep Aquifer	RIDW-1	RIDW-1-20240814	8/14/2024	N	TECT AO RI		--	--	--	--	--	--	--	--	--	--
Deep Aquifer	RIDW-1	RIDW-1-241105	11/5/2024	N	TECT AO RI		--	--	--	--	--	--	--	--	--	--
Deep Aquifer	RIDW-2	RIDW-2-190128	1/28/2019	N	DeepWellInstall		10 U	**210**	**72,000**	**2,700**	--	--	--	--	--	--
Deep Aquifer	RIDW-2	RIDW-2-190911	9/11/2019	N	Investigation-PhaseII		**20**	**210**	**16,000**	**1,600**	--	--	--	--	--	--
Deep Aquifer	RIDW-2	RIDW-2-20240814	8/14/2024	N	TECT AO RI		--	--	--	--	--	--	--	--	--	--
Deep Aquifer	RIDW-2	RIDW-2-241105	11/5/2024	N	TECT AO RI		--	--	--	--	--	--	--	--	--	--
Deep Aquifer	RIDW-3	RIDW-3-190128	1/28/2019	N	DeepWellInstall		10 U	150 U	**21,000**	**7,400**	--	--	--	--	--	--
Deep Aquifer	RIDW-3	RIDW-3-190911	9/11/2019	N	Investigation-PhaseII		10 U	150 U	**4,900**	**1,700**	--	--	--	--	--	--
Deep Aquifer	RIDW-3	RIDW-3-20240815	8/15/2024	N	TECT AO RI		--	--	--	--	--	--	--	--	--	--
Deep Aquifer	RIDW-3	RIDW-3-241106	11/6/2024	N	TECT AO RI		--	--	--	--	--	--	--	--	--	--
Deep Aquifer	RIDW-4	RIDW-4-190919	9/19/2019	N	Investigation-PhaseII		10 U	150 U	**26,000**	**8,200**	--	--	--	--	--	--

Table 23
Deep Aquifer – Detected Constituents in Groundwater
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TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

					Analyte Group:	Paine Groundwater Conventionals				Paine Groundwater Metals					
					Fraction:	N	N	N	N	D	T	D	T	D	T
					Analyte:	Methane	Nitrogen, Nitrate (as N)	Sulfate	Total Organic Carbon	Arsenic	Arsenic	Chromium, Total	Chromium, Total	Lead	Lead
					Detected:	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
					pCUL:		10,000			13.6	13.6	50	50	15	15
					Units:	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**										
Deep Aquifer	RIDW-4	RIDW-4-240813	8/13/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--
Deep Aquifer	RIDW-4	RIDW-4-241105	11/5/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--
Deep Aquifer	RIDW-5	RIDW-5-230925	9/25/2023	N	PhaseIII	--	--	--	--	**3.0**	**3.5**	**2.8**	**8.3**	1 U	1 U
Deep Aquifer	RIDW-5	RIDW-5-240813	8/13/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--
Deep Aquifer	RIDW-5	RIDW-5-241104	11/4/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--
Deep Aquifer	RIDW-6	RIDW-6-230925	9/25/2023	N	PhaseIII	--	--	--	--	**3.3**	**6.2**	**5.9**	**43**	1 U	**3.0**
Deep Aquifer	RIDW-6	RIDW-6-240813	8/13/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--
Deep Aquifer	RIDW-6	DUP-2-240813	8/13/2024	FD	TECT AO RI	--	--	--	--	--	--	--	--	--	--
Deep Aquifer	RIDW-6	RIDW-6-241104	11/4/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--
Deep Aquifer	RIDW-6	DUP-2-241104	11/4/2024	FD	TECT AO RI	--	--	--	--	--	--	--	--	--	--
Deep Aquifer	RIDW-7	RIDW-7-20240814	8/14/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--
Deep Aquifer	RIDW-7	RIDW-7-241105	11/5/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--
Deep Aquifer	RIDW-8	RIDW-8-240813	8/13/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--
Deep Aquifer	RIDW-8	RIDW-8-241105	11/5/2024	N	TECT AO RI	--	--	--	--	--	--	--	--	--	--

Table 23
Deep Aquifer – Detected Constituents in Groundwater
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

					Analyte Group:	Paine Groundwater SVOCs	Paine Groundwater TPH		Paine Groundwater VOCs							
					Fraction:	N	N	N	N	N	N	N	N	N	N	N
					Analyte:	1,4-Dioxane	Petroleum Hydrocarbons DRO C12-C24	Petroleum Hydrocarbons ORO C24-C38	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	1,2-Dichloropropane	Acetone	Carbon Disulfide	Carbon Tetrachloride
					Detected:	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
					pCUL:	0.44	500	500	200	0.77	7.0	0.48	1.2			
					Units:	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**											
C-19; Deep Aquifer	DW1	DW1-WG-19991228	12/28/1999	N	Historical	--	--	--	5 U	--	--	5 U	5 U	--	--	--
C-19; Deep Aquifer	DW1	DW1-WG-20000308	3/8/2000	N	Historical	--	--	--	5 U	--	--	5 U	5 U	--	--	--
C-19; Deep Aquifer	DW1	DW1-WG-20011024	10/24/2001	N	Historical	--	130 U	--	--	--	--	--	--	--	--	--
C-19; Deep Aquifer	DW1	DW1-WG-20031017	10/17/2003	N	ChlorSolv-Aq	--	--	--	5 U	--	--	5 U	5 U	--	--	--
C-19; Deep Aquifer	DW1	DW-1-181107	11/7/2018	N	Baseline	0.4 U	--	--	2 U	0.5 U	2 U	0.02 U	0.5 U	25 U	2 U	0.5 U
C-19; Deep Aquifer	DW1	DW1-190912	9/12/2019	N	Investigation-PhaseII	--	--	--	2 U	0.5 U	2 U	0.02 U	0.5 U	25 U	2 U	0.5 U
C-19; Deep Aquifer	DW1	DW-1-240604	6/4/2024	N	TECT AO RI	0.4 U	--	--	2 U	0.5 U	2 U	0.02 U	0.5 U	25 U	2 U	0.5 U
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW2-WG-19991228	12/28/1999	N	Historical	--	--	--	**49**	--	--	**26**	**10**	--	--	--
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW2-WG-20000308	3/8/2000	N	Historical	--	--	--	**45**	--	--	**15**	**13**	--	--	--
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DUP-181107	11/7/2018	FD	Baseline	**1.6**	--	--	2 U	**15**	2 U	**6.0**	**4.5**	25 U	2 U	0.5 U
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW-2-181107	11/7/2018	N	Baseline	**1.8**	--	--	2 U	**15**	**2.0**	**6.1**	**4.6**	25 U	2 U	0.5 U
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW2-190910	9/10/2019	N	Investigation-PhaseII	0.4 U	--	--	2 U	**6.8 J**	2 U	**4.2 J**	**3.0 J**	25 U	2 U	0.5 U
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW-2-240605	6/5/2024	N	TECT AO RI	**4.7**	--	--	2 U	**45**	**3.0**	**19**	**18**	25 U	2 U	**0.51**
Building C-23 and C-23 Annex; Deep Aquifer	DW3	DW3-WG-20000519	5/19/2000	N	Historical	--	--	--	5 U	--	--	5 U	5 U	--	--	--
Building C-23 and C-23 Annex; Deep Aquifer	DW3	DW-3-181107	11/7/2018	N	Baseline	--	--	--	2 U	0.5 U	2 U	0.02 U	0.5 U	25 U	2 U	0.5 U
Building C-23 and C-23 Annex; Deep Aquifer	DW3	DW3-190912	9/12/2019	N	Investigation-PhaseII	--	--	--	2 U	0.5 U	2 U	0.02 U	0.5 U	25 U	2 U	0.5 U
Building C-23 and C-23 Annex; Deep Aquifer	DW3	DW3-240813	8/13/2024	N	TECT AO RI	0.04 U	--	--	2 U	0.5 U	2 U	0.02 U	0.5 U	25 U	2 U	0.5 U
Building C-23 and C-23 Annex; Deep Aquifer	DW3	DW3-241107	11/7/2024	N	TECT AO RI	0.4 U	--	--	2 U	0.5 U	2 U	0.02 U	0.5 U	25 U	2 U	0.5 U
Deep Aquifer	RIDW-1	GWDUP-1-190128	1/28/2019	FD	DeepWellInstall	--	--	--	2 U	0.5 U	2 U	0.02 U	0.5 U	25 U	2 U	0.5 U
Deep Aquifer	RIDW-1	RIDW-1-190128	1/28/2019	N	DeepWellInstall	--	--	--	2 U	0.5 U	2 U	0.02 U	0.5 U	25 U	2 U	0.5 U
Deep Aquifer	RIDW-1	RIDW-1-190912	9/12/2019	N	Investigation-PhaseII	--	--	--	2 U	0.5 U	2 U	0.02 U	0.5 U	25 U	2 U	0.5 U
Deep Aquifer	RIDW-1	RIDW-1-20240814	8/14/2024	N	TECT AO RI	0.04 U	--	--	2 U	0.5 U	2 U	0.02 U	0.5 U	25 U	2 U	0.5 U
Deep Aquifer	RIDW-1	RIDW-1-241105	11/5/2024	N	TECT AO RI	0.04 U	--	--	2 U	0.5 U	2 U	0.02 U	0.5 U	25 U	2 U	0.5 U
Deep Aquifer	RIDW-2	RIDW-2-190128	1/28/2019	N	DeepWellInstall	--	--	--	2 U	0.5 U	2 U	0.02 U	0.5 U	25 U	2 U	0.5 U
Deep Aquifer	RIDW-2	RIDW-2-190911	9/11/2019	N	Investigation-PhaseII	--	--	--	2 U	0.5 U	2 U	0.02 U	0.5 U	25 U	**3.9**	0.5 U
Deep Aquifer	RIDW-2	RIDW-2-20240814	8/14/2024	N	TECT AO RI	0.04 U	--	--	2 U	0.5 U	2 U	0.02 U	0.5 U	25 U	2 U	0.5 U
Deep Aquifer	RIDW-2	RIDW-2-241105	11/5/2024	N	TECT AO RI	0.04 U	--	--	2 U	0.5 U	2 U	0.02 U	0.5 U	25 U	2 U	0.5 U
Deep Aquifer	RIDW-3	RIDW-3-190128	1/28/2019	N	DeepWellInstall	0.4 U	--	--	2 U	0.5 U	2 U	0.02 U	0.5 U	25 U	2 U	0.5 U
Deep Aquifer	RIDW-3	RIDW-3-190911	9/11/2019	N	Investigation-PhaseII	--	--	--	2 U	0.5 U	2 U	0.02 U	0.5 U	25 U	2 U	0.5 U
Deep Aquifer	RIDW-3	RIDW-3-20240815	8/15/2024	N	TECT AO RI	0.04 U	--	--	2 U	0.5 U	2 U	0.02 U	0.5 U	25 U	2 U	0.5 U
Deep Aquifer	RIDW-3	RIDW-3-241106	11/6/2024	N	TECT AO RI	0.4 U	--	--	2 U	0.5 U	2 U	0.02 U	0.5 U	25 U	2 U	0.5 U
Deep Aquifer	RIDW-4	RIDW-4-190919	9/19/2019	N	Investigation-PhaseII	**4.8**	--	--	2 U	**1.1**	2 U	**5.8**	**4.0**	25 U	2 U	0.5 U

Table 23
Deep Aquifer – Detected Constituents in Groundwater
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

						Analyte Group:	Paine Groundwater SVOCs	Paine Groundwater TPH		Paine Groundwater VOCs							
						Fraction:	N	N	N	N	N	N	N	N	N	N	N
						Analyte:	1,4-Dioxane	Petroleum Hydrocarbons DRO C12-C24	Petroleum Hydrocarbons ORO C24-C38	1,1,1-Trichloroethane	1,1,2-Trichloroethane	1,1-Dichloroethene	1,2-Dichloroethane	1,2-Dichloropropane	Acetone	Carbon Disulfide	Carbon Tetrachloride
						Detected:	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
						pCUL:	0.44	500	500	200	0.77	7.0	0.48	1.2			
						Units:	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**												
Deep Aquifer	RIDW-4	RIDW-4-240813	8/13/2024	N	TECT AO RI		**9.4**	--	--	2 U	**0.90**	2 U	**6.0**	**3.3**	25 U	2 U	0.5 U
Deep Aquifer	RIDW-4	RIDW-4-241105	11/5/2024	N	TECT AO RI		**9.8**	--	--	2 U	**0.56**	2 U	**7.4**	**3.1**	25 U	2 U	0.5 U
Deep Aquifer	RIDW-5	RIDW-5-230925	9/25/2023	N	PhaseIII		**1.6**	**170**	**380**	2 U	0.5 U	2 U	**0.68**	0.5 U	25 U	2 U	0.5 U
Deep Aquifer	RIDW-5	RIDW-5-240813	8/13/2024	N	TECT AO RI		**1.2**	--	--	2 U	0.5 U	2 U	**0.88**	0.5 U	25 U	2 U	0.5 U
Deep Aquifer	RIDW-5	RIDW-5-241104	11/4/2024	N	TECT AO RI		**0.88**	--	--	2 U	0.5 U	2 U	**0.76**	0.5 U	25 U	2 U	0.5 U
Deep Aquifer	RIDW-6	RIDW-6-230925	9/25/2023	N	PhaseIII		**1.3**	130 U	250 U	2 U	0.5 U	2 U	**0.56**	0.5 U	25 U	2 U	0.5 U
Deep Aquifer	RIDW-6	RIDW-6-240813	8/13/2024	N	TECT AO RI		**0.82**	--	--	2 U	0.5 U	2 U	**0.60**	0.5 U	25 U	2 U	0.5 U
Deep Aquifer	RIDW-6	DUP-2-240813	8/13/2024	FD	TECT AO RI		**0.78**	--	--	2 U	0.5 U	2 U	**0.59**	0.5 U	25 U	2 U	0.5 U
Deep Aquifer	RIDW-6	RIDW-6-241104	11/4/2024	N	TECT AO RI		**0.57**	--	--	2 U	0.5 U	2 U	**0.44**	0.5 U	25 U	2 U	0.5 U
Deep Aquifer	RIDW-6	DUP-2-241104	11/4/2024	FD	TECT AO RI		**0.55**	--	--	2 U	0.5 U	2 U	**0.46**	0.5 U	25 U	2 U	0.5 U
Deep Aquifer	RIDW-7	RIDW-7-20240814	8/14/2024	N	TECT AO RI		**0.20**	--	--	2 U	0.5 U	2 U	0.02 U	0.5 U	25 U	2 U	0.5 U
Deep Aquifer	RIDW-7	RIDW-7-241105	11/5/2024	N	TECT AO RI		**0.079**	--	--	2 U	0.5 U	2 U	0.02 U	0.5 U	25 U	2 U	0.5 U
Deep Aquifer	RIDW-8	RIDW-8-240813	8/13/2024	N	TECT AO RI		**3.9**	--	--	2 R	**42 J**	**2.1 J**	**24 J**	**22 J**	**28 J**	2 R	0.5 R
Deep Aquifer	RIDW-8	RIDW-8-241105	11/5/2024	N	TECT AO RI		**7.0**	--	--	2 U	**25**	2 U	**18**	**12**	25 U	2 U	0.5 U

Table 23
Deep Aquifer – Detected Constituents in Groundwater
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TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

					Analyte Group:	Paine Groundwater VOCs							
					Fraction:	N	N	N	N	N	N	N	N
					Analyte:	Chloroform	cis-1,2-Dichloroethene	Methyl Ethyl Ketone	Methylene Chloride	Methyl-tert-butyl ether	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride
					Detected:	Y	Y	Y	Y	Y	Y	Y	Y
					pCUL:		15				73	2.3	0.10
					Units:	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**								
C-19; Deep Aquifer	DW1	DW1-WG-19991228	12/28/1999	N	Historical	--	5 U	--	--	--	--	**8**	--
C-19; Deep Aquifer	DW1	DW1-WG-20000308	3/8/2000	N	Historical	--	**5**	--	--	--	--	**62**	--
C-19; Deep Aquifer	DW1	DW1-WG-20011024	10/24/2001	N	Historical	--	--	--	--	--	--	--	--
C-19; Deep Aquifer	DW1	DW1-WG-20031017	10/17/2003	N	ChlorSolv-Aq	--	5 U	--	--	--	--	**81**	--
C-19; Deep Aquifer	DW1	DW-1-181107	11/7/2018	N	Baseline	0.5 U	2 U	**40**	5 U	2 U	2 U	**25**	0.02 U
C-19; Deep Aquifer	DW1	DW1-190912	9/12/2019	N	Investigation-PhaseII	0.5 U	**16**	10 U	5 U	2 U	**2.3**	**300**	0.02 U
C-19; Deep Aquifer	DW1	DW-1-240604	6/4/2024	N	TECT AO RI	0.5 U	**20**	10 U	5 U	2 U	**4.1**	**840**	0.02 U
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW2-WG-19991228	12/28/1999	N	Historical	--	5 U	--	--	--	--	5 U	--
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW2-WG-20000308	3/8/2000	N	Historical	--	5 U	--	--	--	--	5 U	--
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DUP-181107	11/7/2018	FD	Baseline	**0.65**	**3.1**	10 U	5 U	**2.8**	2 U	**2.4**	0.02 U
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW-2-181107	11/7/2018	N	Baseline	**0.67**	**3.0**	10 U	5 U	**2.9**	2 U	**2.4**	0.02 U
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW2-190910	9/10/2019	N	Investigation-PhaseII	0.5 U	**190 J**	10 U	5 UJ	**16**	**16 J**	**120**	**0.92 J**
C-29/Former East Fuel Farm, Deep Aquifer	DW2	DW-2-240605	6/5/2024	N	TECT AO RI	0.5 U	**5.5**	10 U	5 U	**17**	2 U	**8.0**	**0.088**
Building C-23 and C-23 Annex; Deep Aquifer	DW3	DW3-WG-20000519	5/19/2000	N	Historical	--	5 U	--	--	--	--	5 U	--
Building C-23 and C-23 Annex; Deep Aquifer	DW3	DW-3-181107	11/7/2018	N	Baseline	0.5 U	2 U	10 U	5 U	2 U	2 U	0.5 U	0.02 U
Building C-23 and C-23 Annex; Deep Aquifer	DW3	DW3-190912	9/12/2019	N	Investigation-PhaseII	0.5 U	2 U	10 U	5 U	2 U	2 U	0.5 U	0.02 U
Building C-23 and C-23 Annex; Deep Aquifer	DW3	DW3-240813	8/13/2024	N	TECT AO RI	0.5 U	2 U	10 U	5 U	2 U	2 U	**0.76**	0.02 U
Building C-23 and C-23 Annex; Deep Aquifer	DW3	DW3-241107	11/7/2024	N	TECT AO RI	0.5 U	2 U	10 U	5 U	2 U	2 U	0.5 U	0.02 U
Deep Aquifer	RIDW-1	GWDUP-1-190128	1/28/2019	FD	DeepWellInstall	0.5 U	2 U	10 U	5 U	2 U	2 U	0.5 U	0.02 U
Deep Aquifer	RIDW-1	RIDW-1-190128	1/28/2019	N	DeepWellInstall	0.5 U	2 U	10 U	5 U	2 U	2 U	0.5 U	0.02 U
Deep Aquifer	RIDW-1	RIDW-1-190912	9/12/2019	N	Investigation-PhaseII	0.5 U	2 U	10 U	5 U	2 U	2 U	0.5 U	0.02 U
Deep Aquifer	RIDW-1	RIDW-1-20240814	8/14/2024	N	TECT AO RI	0.5 U	2 U	10 U	5 U	2 U	2 U	**1.1**	0.02 U
Deep Aquifer	RIDW-1	RIDW-1-241105	11/5/2024	N	TECT AO RI	0.5 U	2 U	10 U	5 U	2 U	2 U	**1.0**	0.02 U
Deep Aquifer	RIDW-2	RIDW-2-190128	1/28/2019	N	DeepWellInstall	0.5 U	2 U	10 U	5 U	2 U	2 U	0.5 U	0.02 U
Deep Aquifer	RIDW-2	RIDW-2-190911	9/11/2019	N	Investigation-PhaseII	0.5 U	2 U	10 U	5 U	2 U	2 U	0.5 U	0.02 U
Deep Aquifer	RIDW-2	RIDW-2-20240814	8/14/2024	N	TECT AO RI	0.5 U	2 U	10 U	5 U	2 U	2 U	0.5 U	0.02 U
Deep Aquifer	RIDW-2	RIDW-2-241105	11/5/2024	N	TECT AO RI	0.5 U	2 U	10 U	5 U	2 U	2 U	0.5 U	0.02 U
Deep Aquifer	RIDW-3	RIDW-3-190128	1/28/2019	N	DeepWellInstall	0.5 U	2 U	10 U	5 U	2 U	2 U	0.5 U	0.02 U
Deep Aquifer	RIDW-3	RIDW-3-190911	9/11/2019	N	Investigation-PhaseII	0.5 U	2 U	10 U	5 U	2 U	2 U	0.5 U	0.02 U
Deep Aquifer	RIDW-3	RIDW-3-20240815	8/15/2024	N	TECT AO RI	0.5 U	2 U	10 U	5 U	2 U	2 U	**0.81**	0.02 U
Deep Aquifer	RIDW-3	RIDW-3-241106	11/6/2024	N	TECT AO RI	0.5 U	2 U	10 U	5 U	2 U	2 U	0.5 U	0.02 U
Deep Aquifer	RIDW-4	RIDW-4-190919	9/19/2019	N	Investigation-PhaseII	**3.5**	**8.5**	10 U	5 U	2 U	2 U	**1.2**	**0.18**

Table 23
Deep Aquifer – Detected Constituents in Groundwater
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

					Analyte Group:	**Paine Groundwater VOCs**							
					Fraction:	N	N	N	N	N	N	N	N
					Analyte:	Chloroform	cis-1,2-Dichloroethene	Methyl Ethyl Ketone	Methylene Chloride	Methyl-tert-butyl ether	trans-1,2-Dichloroethene	Trichloroethene	Vinyl Chloride
					Detected:	Y	Y	Y	Y	Y	Y	Y	Y
					pCUL:		15				73	2.3	0.10
					Units:	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L	µg/L
Area	**Location**	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**								
Deep Aquifer	RIDW-4	RIDW-4-240813	8/13/2024	N	TECT AO RI	0.5 U	**9.2**	10 U	5 U	2 U	2 U	**0.90**	0.02 U
Deep Aquifer	RIDW-4	RIDW-4-241105	11/5/2024	N	TECT AO RI	**1.0**	**25**	10 U	5 U	2 U	2 U	**1.0**	**0.071**
Deep Aquifer	RIDW-5	RIDW-5-230925	9/25/2023	N	PhaseIII	0.5 U	2 U	10 U	5 U	2 U	2 U	0.5 U	0.02 U
Deep Aquifer	RIDW-5	RIDW-5-240813	8/13/2024	N	TECT AO RI	0.5 U	2 U	10 U	5 U	2 U	2 U	0.5 U	**0.060**
Deep Aquifer	RIDW-5	RIDW-5-241104	11/4/2024	N	TECT AO RI	0.5 U	2 U	10 U	5 U	2 U	2 U	0.5 U	0.02 U
Deep Aquifer	RIDW-6	RIDW-6-230925	9/25/2023	N	PhaseIII	0.5 U	2 U	10 U	5 U	2 U	2 U	0.5 U	0.02 U
Deep Aquifer	RIDW-6	RIDW-6-240813	8/13/2024	N	TECT AO RI	0.5 U	2 U	10 U	5 U	2 U	2 U	0.5 U	**0.025**
Deep Aquifer	RIDW-6	DUP-2-240813	8/13/2024	FD	TECT AO RI	0.5 U	2 U	10 U	5 U	2 U	2 U	0.5 U	0.02 U
Deep Aquifer	RIDW-6	RIDW-6-241104	11/4/2024	N	TECT AO RI	0.5 U	2 U	10 U	5 U	2 U	2 U	0.5 U	0.02 U
Deep Aquifer	RIDW-6	DUP-2-241104	11/4/2024	FD	TECT AO RI	0.5 U	2 U	10 U	5 U	2 U	2 U	**0.66**	0.02 U
Deep Aquifer	RIDW-7	RIDW-7-20240814	8/14/2024	N	TECT AO RI	0.5 U	2 U	10 U	5 U	2 U	2 U	0.5 U	0.02 U
Deep Aquifer	RIDW-7	RIDW-7-241105	11/5/2024	N	TECT AO RI	0.5 U	2 U	10 U	5 U	2 U	2 U	**2.3**	0.02 U
Deep Aquifer	RIDW-8	RIDW-8-240813	8/13/2024	N	TECT AO RI	**0.67 J**	**8.5 J**	10 R	**8.4 J**	**5.8 J**	2 R	0.5 R	**0.73 J**
Deep Aquifer	RIDW-8	RIDW-8-241105	11/5/2024	N	TECT AO RI	**0.95**	**86**	10 U	5 U	**4.5**	**7.0**	**32**	**1.9**

Abbreviations and Acronyms:
-- = not analyzed
AO = Agreed Order
FD = field duplicate sample
ID = identification
µg/L = micrograms per liter
N = primary sample
pCUL = preliminary cleanup level
RI = remedial investigation
SL = screening level
SVOC = semivolatile organic compound
TPH = total petroleum hydrocarbons
VOC = volatile organic compound

Notes:
Bold text indicates detected analyte.
Blue shading = exceeds project SL
U = The analyte was analyzed for, but was not detected above the level
UJ = The analyte was analyzed for but was not detected. The reported quantitation limit is approximate and may be inaccurate or imprecise.
J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.
R = The data are unusable. The sample results are rejected due to serious deficiencies in meeting quality control criteria. The analyte may or may not be present in the sample.

Fraction
D = dissolved
T = total
N = normal (for non metals, fraction doesn't apply)

DRAFT

Table 24
Per- and Polyfluoroalkyl Substances Analytical Results in Groundwater
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Analytical Method:					EPA 1633															
Analyte:					1,1,2,2-Tetrafluoro-2-(perfluoroethoxy)ethanesulfonic acid (PFEESA)	11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid (11Cl-PF3OUdS)	2,2,3,3,4,4-Hexafluoro-4-(trifluoromethoxy)butanoic acid (PFMBA)	2,2,3,3-Tetrafluoro-3-(trifluoromethoxy)propanoic acid (PFMPA)	2H,2H,3H,3H-Perfluorodecanoic acid (7:3 FTCA)	2H,2H,3H,3H-Perfluorohexanoic acid (3:3 FTCA)	2H,2H,3H,3H-Perfluorooctanoic acid (5:3 FTCA)	4,8-Dioxa-3h-Perfluorononanoic Acid (ADONA)	4:2 Fluorotelomer sulfonic acid (4:2 FTS)	6:2 Fluorotelomer sulfonic acid (6:2 FTS)	8:2 Fluorotelomer sulfonic acid (8:2 FTS)	9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid (9Cl-PF3ONS)	Hexafluoropropylene oxide dimer acid (HFPO-DA)	N-Ethyl perfluorooctane sulfonamide (EtFOSA)	N-Ethyl perfluorooctane sulfonamidoacetic acid (EtFOSAA)	N-Ethyl perfluorooctane sulfonamidoethanol (EtFOSE)
Units:					ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Project-Specific SL:														3,200			10			
MTCA Method C SL:														7,000			53			
Location	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**																
HMB1	HMBI-20240813	8/13/2024	N	TECT AO RI	2.87 U	6.05 U	3.23 U	3.23 U	40.3 U	8.07 U	40.3 U	6.37 U	6.05 U	**93.2**	**7.23**	6.29 U	6.74 U	1.61 U	1.61 U	16.1 U
HMB1	DUP-20240813	8/13/2024	FD	TECT AO RI	2.88 U	6.05 U	3.23 U	3.23 U	40.4 U	8.07 U	40.4 U	6.38 U	6.05 U	**92.8**	**7.17**	6.30 U	6.74 U	1.61 U	1.61 U	16.1 U
HMB1	HMB1-241106	11/6/2024	N	TECT AO RI	2.9 U	6.11 U	3.26 U	3.26 U	40.7 U	8.14 U	40.7 U	6.43 U	6.11 U	**186**	**13.3**	6.35 U	6.8 U	1.63 U	1.63 U	16.3 U
HMB1	DUP-241106	11/6/2024	FD	TECT AO RI	3.03 U	6.37 U	3.4 U	3.4 U	42.5 U	8.5 U	42.5 U	6.71 U	6.37 U	**187**	**12.2**	6.63 U	7.1 U	1.7 U	1.7 U	17 U
Field Blank	FB-20240813	8/13/2024	N	TECT AO RI	2.83 U	5.97 U	3.18 U	3.18 U	39.8 U	7.96 U	39.8 U	6.29 U	5.97 U	6.04 U	6.11 U	6.21 U	6.64 U	1.59 U	1.59 U	15.9 U
Rinsate Blank	RB-20240813	8/13/2024	N	TECT AO RI	2.84 U	5.98 U	3.19 U	3.19 U	39.9 U	7.97 U	39.9 U	6.30 U	5.98 U	6.05 U	6.12 U	6.22 U	6.66 U	1.59 U	1.59 U	15.9 U
FieldBlank	FB-241106	11/6/2024	FB	TECT AO RI	2.87 U	6.04 U	3.22 U	3.22 U	40.3 U	8.06 U	40.3 U	6.37 U	6.04 U	6.12 U	6.19 U	6.29 U	6.73 U	1.61 U	1.61 U	16.1 U
RinsateBlank	RB-241106	11/6/2024	RB	TECT AO RI	2.95 U	6.22 U	3.32 U	3.32 U	41.5 U	8.29 U	41.5 U	6.55 U	6.22 U	6.29 U	6.36 U	6.47 U	6.92 U	1.66 U	1.66 U	16.6 U
Field Blank	FB-250127	1/27/2025	FB	TECT AO RI	2.89 U	6.09 U	3.25 U	3.25 U	40.6 U	8.12 U	40.6 U	6.42 U	6.09 U	6.16 U	6.23 U	6.34 U	6.78 U	1.62 U	1.62 U	16.2 U
MW-4	MW-4-250127	1/27/2025	N	TECT AO RI	2.88 U	6.07 U	3.24 U	3.24 U	40.5 U	8.10 U	40.5 U	6.40 U	6.07 U	6.14 U	6.21 U	6.32 U	6.76 U	1.62 U	1.62 U	16.2 U
Rinsate Blank	RB-1-250127	1/27/2025	RB	TECT AO RI	2.98 U	6.28 U	3.35 U	3.35 U	41.9 U	8.38 U	41.9 U	6.62 U	6.28 U	6.36 U	6.43 U	6.53 U	6.99 U	1.68 U	1.68 U	16.8 U
Rinsate Blank	RB-2-250127	1/27/2025	RB	TECT AO RI	2.97 U	6.25 U	3.34 U	3.34 U	41.7 U	8.34 U	41.7 U	6.59 U	6.25 U	6.33 U	6.40 U	6.50 U	6.96 U	1.67 U	1.67 U	16.7 U
RIDW-4	RIDW-4-250127	1/27/2025	N	TECT AO RI	2.93 U	6.17 U	3.29 U	3.29 U	41.1 U	8.22 U	41.1 U	6.50 U	6.17 U	6.24 U	6.31 U	6.41 U	6.87 U	1.64 U	1.64 U	16.4 U
RIGW-3	RIGW-3-250217	1/27/2025	N	TECT AO RI	2.91 U	6.13 U	3.27 U	3.27 U	40.9 U	8.18 U	40.9 U	6.46 U	6.13 U	**82.6**	6.28 U	6.38 U	6.83 U	1.64 U	1.64 U	16.4 U
RIGW-3	DUP-PFAS-250127	1/27/2025	FD	TECT AO RI	2.96 U	6.23 U	3.32 U	3.32 U	41.5 U	8.31 U	41.5 U	6.56 U	6.23 U	**74.4**	6.37 U	6.48 U	6.93 U	1.66 U	1.66 U	16.6 U
RISB-205	RISB-205-GW-250130	1/30/2025	N	TECT AO RI	28.5 U	60.0 U	32.0 U	32.0 U	400 U	80.0 U	400 U	63.2 U	60.0 U	**284**	**166**	62.4 U	66.8 U	16.0 U	16.0 U	160 U
FieldBlank	FB-250721	7/21/2025	FB	TECT AO RI	2.86 U	6.02 U	3.21 U	3.21 U	40.2 U	8.03 U	40.2 U	6.34 U	6.02 U	6.09 U	6.16 U	6.26 U	6.71 U	1.61 U	1.61 U	16.1 U
RIDW-4	RIDW-4-250721	7/21/2025	N	TECT AO RI	2.88 U	6.07 U	3.24 U	3.24 U	40.5 U	8.10 U	40.5 U	6.40 U	6.07 U	**6.55**	6.21 U	6.31 U	6.76 U	1.62 U	1.62 U	16.2 U
RIDW-4	DUP-250721	7/21/2025	FD	TECT AO RI	2.86 U	6.01 U	3.21 U	3.21 U	40.1 U	8.02 U	40.1 U	6.34 U	6.01 U	6.08 U	6.16 U	6.26 U	6.70 U	1.60 U	1.60 U	16.0 U
RIDW-5	RIDW-5-250721	7/21/2025	N	TECT AO RI	2.85 U	6.01 U	3.20 U	3.20 U	40.1 U	8.01 U	40.1 U	6.33 U	6.01 U	6.08 U	6.15 U	6.25 U	6.69 U	1.60 U	1.60 U	16.0 U
RIDW-6	RIDW-6-250721	7/21/2025	N	TECT AO RI	2.84 U	5.99 U	3.19 U	3.19 U	39.9 U	7.98 U	39.9 U	6.31 U	5.99 U	6.06 U	6.13 U	6.23 U	6.67 U	1.60 U	1.60 U	16.0 U
RinsateBlank	RB-250721	7/21/2025	RB	TECT AO RI	3.48 U	7.33 U	3.91 U	3.91 U	48.9 U	9.77 U	48.9 U	7.72 U	7.33 U	7.41 U	7.50 U	7.62 U	8.16 U	1.95 U	1.95 U	19.5 U

Table 24
Per- and Polyfluoroalkyl Substances Analytical Results in Groundwater
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Analytical Method:					EPA 1633																
Analyte:					N-Methyl perfluorooctane sulfonamide (MeFOSA)	N-Methyl perfluorooctane sulfonamidoacetic acid (MeFOSAA)	N-Methyl perfluorooctane sulfonamidoethanol (MeFOSE)	Perfluoro-3,6-dioxaheptanoic acid (NFDHA)	Perfluorobutanesulfonic Acid (PFBS)	Perfluorobutanoic acid (PFBA)	Perfluorodecane sulfonic acid (PFDS)	Perfluorodecanoic acid (PFDA)	Perfluorododecane Sulfonic Acid (PFDoDS)	Perfluorododecanoic acid (PFDOA)	Perfluoroheptane sulfonic acid (PFHpS)	Perfluoroheptanoic acid (PFHpA)	Perfluorohexane sulfonic acid (PFHxS)	Perfluorohexanoic acid (PFHxA)	Perfluorononane sulfonic acid (PFNS)	Perfluorononanoic acid (PFNA)	Perfluorooctane sulfonamide (PFOSA)	Perfluorooctane sulfonic acid (PFOS)
Units:					ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Project-Specific SL:									4,800	8,000		1.6					1.46	8,000		10		4
MTCA Method C SL:									11,000	18,000		0.07					340	18,000		88		3.5
Location	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**																		
HMB1	HMBI-20240813	8/13/2024	N	TECT AO RI	1.61 U	1.61 U	16.1 U	3.23 U	**1.70**	**55.0**	1.55 U	1.61 U	1.56 U	1.61 U	1.53 U	**73.1**	**10.4**	**79.8**	1.55 U	**7.06**	**5.21 J**	**24.2**
HMB1	DUP-20240813	8/13/2024	FD	TECT AO RI	1.61 U	1.61 U	16.1 U	3.23 U	**1.71**	**55.9**	1.55 U	1.61 U	1.56 U	1.61 U	1.53 U	**71.1**	**10.9**	**71.0**	1.55 U	**7.12**	**5.30**	**25.9**
HMB1	HMB1-241106	11/6/2024	N	TECT AO RI	1.63 U	1.63 U	16.3 U	3.26 U	**2.02**	**77.5**	1.57 U	1.63 U	1.58 U	1.63 U	1.55 U	**86.3**	**14.0**	**135**	1.57 U	**8.48**	**7.77**	**36.4**
HMB1	DUP-241106	11/6/2024	FD	TECT AO RI	1.7 U	1.7 U	17 U	3.4 U	**2.24**	**75.0**	1.64 U	1.7 U	1.65 U	1.7 U	1.61 U	**81.2**	**13.5**	**129**	1.64 U	**8.97**	**7.36**	**34.7**
Field Blank	FB-20240813	8/13/2024	N	TECT AO RI	1.59 U	1.59 U	15.9 U	3.18 U	1.41 U	6.36 U	1.53 U	1.59 U	1.54 U	1.59 U	1.51 U	1.59 U	1.45 U	1.59 U	1.53 U	1.59 U	1.59 U	1.48 U
Rinsate Blank	RB-20240813	8/13/2024	N	TECT AO RI	1.59 U	1.59 U	15.9 U	3.19 U	1.42 U	6.38 U	1.53 U	1.59 U	1.54 U	1.59 U	1.51 U	1.59 U	1.46 U	1.59 U	1.53 U	1.59 U	1.59 U	1.49 U
FieldBlank	FB-241106	11/6/2024	FB	TECT AO RI	1.61 U	1.61 U	16.1 U	3.22 U	1.43 U	6.45 U	1.55 U	1.61 U	1.56 U	1.61 U	1.53 U	1.61 U	1.47 U	1.61 U	1.55 U	1.61 U	1.61 U	1.5 U
RinsateBlank	RB-241106	11/6/2024	RB	TECT AO RI	1.66 U	1.66 U	16.6 U	3.32 U	1.47 U	6.63 U	1.6 U	1.66 U	1.61 U	1.66 U	1.58 U	1.66 U	1.51 U	1.66 U	1.6 U	1.66 U	1.66 U	1.54 U
Field Blank	FB-250127	1/27/2025	FB	TECT AO RI	1.62 U	1.62 U	16.2 U	3.25 U	1.44 U	6.50 U	1.56 U	1.62 U	1.57 U	1.62 U	1.54 U	1.62 U	1.48 U	1.62 U	1.56 U	1.62 U	1.62 U	1.51 U
MW-4	MW-4-250127	1/27/2025	N	TECT AO RI	1.62 U	1.62 U	16.2 U	3.24 U	**2.76**	**44.6**	1.56 U	1.62 U	1.57 U	1.62 U	1.54 U	**80.0**	**7.76**	**71.9**	1.56 U	**52.8**	1.62 U	**10.7**
Rinsate Blank	RB-1-250127	1/27/2025	RB	TECT AO RI	1.68 U	1.68 U	16.8 U	3.35 U	1.49 U	6.70 U	1.61 U	1.68 U	1.62 U	1.68 U	1.59 U	1.68 U	1.53 U	1.68 U	1.61 U	1.68 U	1.68 U	1.56 U
Rinsate Blank	RB-2-250127	1/27/2025	RB	TECT AO RI	1.67 U	1.67 U	16.7 U	3.34 U	1.48 U	6.67 U	1.61 U	1.67 U	1.62 U	1.67 U	1.58 U	1.67 U	1.52 U	1.67 U	1.61 U	1.67 U	1.67 U	1.55 U
RIDW-4	RIDW-4-250127	1/27/2025	N	TECT AO RI	1.64 U	1.64 U	16.4 U	3.29 U	1.46 U	**7.71**	1.58 U	1.64 U	1.59 U	1.64 U	1.56 U	**2.47**	**3.22**	**11.1**	1.58 U	1.64 U	1.64 U	1.53 U
RIGW-3	RIGW-3-250217	1/27/2025	N	TECT AO RI	1.64 U	1.64 U	16.4 U	3.27 U	**1.46**	**36.3**	1.57 U	1.64 U	1.58 U	1.64 U	1.55 U	**36.1**	**5.04**	**70.6**	1.57 U	**5.67**	1.64 U	**8.35 J**
RIGW-3	DUP-PFAS-250127	1/27/2025	FD	TECT AO RI	1.66 U	1.66 U	16.6 U	3.32 U	1.47 U	**35.7**	1.60 U	1.66 U	1.61 U	1.66 U	1.58 U	**36.1**	**4.97**	**69.4**	1.60 U	**5.60**	1.66 U	**8.32 J**
RISB-205	RISB-205-GW-250130	1/30/2025	N	TECT AO RI	16.0 U	16.0 U	160 U	32.0 U	14.2 U	**119**	15.4 U	16.0 U	15.5 U	16.0 U	15.2 U	**172**	**45.3**	**286**	15.4 U	16.0 U	**52.9**	**49.0**
FieldBlank	FB-250721	7/21/2025	FB	TECT AO RI	1.61 U	1.61 U	16.1 U	3.21 U	1.43 U	6.43 U	1.55 U	1.61 U	1.56 U	1.61 U	1.53 U	1.61 U	1.47 U	1.61 U	1.55 U	1.61 U	1.61 U	1.50 U
RIDW-4	RIDW-4-250721	7/21/2025	N	TECT AO RI	1.62 U	1.62 U	16.2 U	3.24 U	1.44 U	**23.2**	1.56 U	1.62 U	1.57 U	1.62 U	1.54 U	**2.21**	**5.66**	**31.0**	1.56 U	1.62 U	1.62 U	1.51 U
RIDW-4	DUP-250721	7/21/2025	FD	TECT AO RI	1.60 U	1.60 U	16.0 U	3.21 U	1.42 U	**24.1**	1.54 U	1.60 U	1.55 U	1.60 U	1.52 U	**1.99**	**5.72**	**33.4**	1.54 U	1.60 U	1.60 U	1.49 U
RIDW-5	RIDW-5-250721	7/21/2025	N	TECT AO RI	1.60 U	1.60 U	16.0 U	3.20 U	**3.35**	**32.0**	1.54 U	1.60 U	1.55 U	1.60 U	1.52 U	**14.8**	**24.8**	**81.9**	1.54 U	1.60 U	1.60 U	1.49 U
RIDW-6	RIDW-6-250721	7/21/2025	N	TECT AO RI	1.60 U	1.60 U	16.0 U	3.19 U	**1.64**	**67.9**	1.54 U	1.60 U	1.55 U	1.60 U	1.52 U	**33.9**	**11.4**	**185**	1.54 U	1.60 U	1.60 U	1.49 U
RinsateBlank	RB-250721	7/21/2025	RB	TECT AO RI	1.95 U	1.95 U	19.5 U	3.91 U	1.73 U	7.82 U	1.88 U	1.95 U	1.89 U	1.95 U	1.86 U	1.95 U	1.78 U	1.95 U	1.88 U	1.95 U	1.95 U	1.82 U

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Table 24
Per- and Polyfluoroalkyl Substances Analytical Results in Groundwater
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Analytical Method:					EPA 1633					
Analyte:					Perfluorooctanoic acid (PFOA)	Perfluoropentane sulfonic acid (PFPeS)	Perfluoropentanoic acid (PFPeA)	Perfluorotetradecanoic acid (PFTDA)	Perfluorotridecanoic acid (PFTrDA)	Perfluoroundecanoic acid (PFUnA)
Units:					ng/L	ng/L	ng/L	ng/L	ng/L	ng/L
Project-Specific SL:					4					
MTCA Method C SL:					0.03					
Location	**Field Sample ID**	**Sampling Date**	**Sample Type**	**Task**						
HMB1	HMBI-20240813	8/13/2024	N	TECT AO RI	**32.2**	1.51 U	**155**	1.61 U	1.61 U	1.61 U
HMB1	DUP-20240813	8/13/2024	FD	TECT AO RI	**32.5**	1.51 U	**163**	1.61 U	1.61 U	1.61 U
HMB1	HMB1-241106	11/6/2024	N	TECT AO RI	**63.5**	1.53 U	**202**	1.63 U	1.63 U	1.63 U
HMB1	DUP-241106	11/6/2024	FD	TECT AO RI	**59.3**	1.59 U	**198**	1.7 U	1.7 U	1.7 U
Field Blank	FB-20240813	8/13/2024	N	TECT AO RI	1.99 U	1.49 U	3.18 U	1.59 U	1.59 U	1.59 U
Rinsate Blank	RB-20240813	8/13/2024	N	TECT AO RI	1.99 U	1.49 U	3.19 U	1.59 U	1.59 U	1.59 U
FieldBlank	FB-241106	11/6/2024	FB	TECT AO RI	2.01 U	1.51 U	3.22 U	1.61 U	1.61 U	1.61 U
RinsateBlank	RB-241106	11/6/2024	RB	TECT AO RI	2.07 U	1.55 U	3.32 U	1.66 U	1.66 U	1.66 U
Field Blank	FB-250127	1/27/2025	FB	TECT AO RI	2.03 U	1.52 U	3.25 U	1.62 U	1.62 U	1.62 U
MW-4	MW-4-250127	1/27/2025	N	TECT AO RI	**197**	1.52 U	**105**	1.62 U	1.62 U	1.62 U
Rinsate Blank	RB-1-250127	1/27/2025	RB	TECT AO RI	2.09 U	1.57 U	3.35 U	1.68 U	1.68 U	1.68 U
Rinsate Blank	RB-2-250127	1/27/2025	RB	TECT AO RI	2.08 U	1.56 U	3.34 U	1.67 U	1.67 U	1.67 U
RIDW-4	RIDW-4-250127	1/27/2025	N	TECT AO RI	**2.23**	1.54 U	**27.3**	1.64 U	1.64 U	1.64 U
RIGW-3	RIGW-3-250217	1/27/2025	N	TECT AO RI	**26.5**	1.53 U	**130**	1.64 U	1.64 U	1.64 U
RIGW-3	DUP-PFAS-250127	1/27/2025	FD	TECT AO RI	**25.5**	1.56 U	**126**	1.66 U	1.66 U	1.66 U
RISB-205	RISB-205-GW-250130	1/30/2025	N	TECT AO RI	**68.8**	15.0 U	**439**	16.0 U	16.0 U	16.0 U
FieldBlank	FB-250721	7/21/2025	FB	TECT AO RI	2.01 U	1.51 U	3.21 U	1.61 U	1.61 U	1.61 U
RIDW-4	RIDW-4-250721	7/21/2025	N	TECT AO RI	2.02 U	**2.47**	**82.7**	1.62 U	1.62 U	1.62 U
RIDW-4	DUP-250721	7/21/2025	FD	TECT AO RI	2.00 U	**2.63**	**87.1**	1.60 U	1.60 U	1.60 U
RIDW-5	RIDW-5-250721	7/21/2025	N	TECT AO RI	**5.87**	**3.72**	**121**	1.60 U	1.60 U	1.60 U
RIDW-6	RIDW-6-250721	7/21/2025	N	TECT AO RI	**6.65**	1.50 U	**282**	1.60 U	1.60 U	1.60 U
RinsateBlank	RB-250721	7/21/2025	RB	TECT AO RI	2.44 U	1.83 U	3.91 U	1.95 U	1.95 U	1.95 U

Notes:

Bold text indicates detected analyte**.**

Blue shading = exceeds project SL

Orange shading = exceeds MTCA Method C SL

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

J = The result is an estimated quantity. The associated numerical value is the approximate concentration of the analyte in the sample.

Abbreviations and Acronyms:

AO = Agreed Order

EPA = US Environmental Protection Agency

FB = field blank

FD = field duplicate sample

ID = identification

MTCA = Model Toxics Control Act

N = primary sample

ng/L = nanograms per liter

RB = rinsate blank

RI = remedial investigation

SL = screening level

Table 25
Agreed Order Remedial Exploration Summary
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

PHASE 1 AGREED ORDER REMEDIAL INVESTIGATION

Investigation Area/ Exploration Location	Exploration Type	Media Sampled			Exploration Objective	RI Objective Achieved/Completed?	Exploration Results
		Soil	Groundwater	Soil Gas			
Building C-19							
RIDW-7	Monitoring Well	✓			Further delineate the vertical extent of chlorinated solvents in soil near the former vapor degreaser where elevated levels of TCE were found in nearby soil boring SCPWD-3 to a maximum exploration depth of 33.5 ft bgs	Yes. More delineation potentially needed beneath vapor degreaser sump during design phase	Soil samples were collected at 10-ft intervals from continuous cores collected using rotosonic drilling methods during the drilling of new deep well RIDW-7 installed adjacent to existing deep well DW1 located just south of the former vapor degreaser. Elevated TCE found in soil down to 48 ft bgs with two clean (ND) samples below that depth (from 56-57 and 66-67 ft bgs). Previous sampling at nearby SCPWD-3 in 1996 only extended to 33.5 ft bgs. Max TCE (25,000 µg/kg) at RIDW-7 found at 13-14 and 16-17 ft bgs (higher than at SCPWD-3).
RISB-100	Soil Boring	✓	✓		Further delineate the extent of the chlorinated solvent plume to the east of the former vapor degreaser where the easterly extent of the plume had not been fully delineated	Yes	No VOC detects in soil or GW other than minor methylene chloride detects in both soil samples from RISB-100. 1,4-Dioxane was not detected in RISB-100 groundwater.
RISB-101 through RISB-103	Soil Boring	✓	✓		Further delineate the extent of chlorinated solvents in groundwater located east of the northern half of Building C-19 around existing boring RISB 58 where TCE was previously found at a maximum concentration of 890 µg/L	No. Additional exploration needed to further characterize extent (see explorations completed under Phase 2 Agreed Order Remedial Investigation below)	TCE in RISB-101 GW (150 µg/L) exceeded the TCE pCUL; TCE degradation products cis-DCE and VC also exceeded pCULs. RISB-103 had no TCE detected but contained low levels of cis-DCE and VC above their respective pCULs. 1,4-Dioxane in RISB-101 GW (2.7 µg/L) was above the pCUL but below the pCUL in the RISB-103 GW sample. GW was not encountered at RISB-102. VC in RISB-101 and RISB-103 soil (max 5.3 µg/kg) exceeded the VC pCUL and TCE in RISB-103 (max 3,800 µg/kg) exceeded the TCE pCUL. No pCULs were exceeded in RISB-102 soil.
Building C-20, C-21, C-22 Complex							
RISG-203 through RISG-205	Soil Gas Probe	✓		✓	Further delineate the extent of soil gas exceeding SLs to the south of Building C-20 in the vicinity of LAI-26 and petroleum hydrocarbon exceedances in soil at RISB-22	Yes, though the limits of the soil gas SL exceedance area were not delineated, the soil gas data generally correlate with soil and GW VOC data and additional soil gas data collection would not likely be useful in supporting feasibility study evaluations.	Probes were installed and soil gas samples collected from RISG-204 and RISG-205; elevated GW levels prevented sample collection from RISG-203. VOCs, primarily TCE, cis-1,2-DCE, and VC, exceeded soil gas SLs in both probes. TPH in soil at RISG-204 (1.2-2.5 ft bg) and RISG-205 (4-5 ft bgs) were all ND.
RISB-105 and RISB-106	Soil Boring	✓	✓		Further delineate the extent of total Cr in soil and diesel- and oil-range hydrocarbons in GW to the west and south of Building C-22	Yes	Total Cr in RISB-105 and RISB-106 soil samples were below pCULs. TPH-D and TPH-O in RISB-105 and RISB-106 GW samples were below pCULs. Combined TPH-D+O (810 µg/L) for RISB-105 is above the pCUL of 500 µg/L, however, both TPH-D and TPH-O are ND with silica-gel cleanup indicating that most of the measured TPH are polar metabolites. cPAHs were ND.
RISB-113 and RISB-114	Soil Boring	✓	✓		Further delineate the extent of diesel- and oil-range hydrocarbons in GW in the Building C-20, -21, and -C-22 Complex	Yes	GW not encountered at RISB-113 (drilled to 30 ft bgs) or RISB-114 (drilled to 30 ft bgs). However, TPH with silica-gel cleanup in 5 soil samples from RISB-113 and RISB-114 were all ND. In addition, GW samples from new wells RIGW-103 and RISG-104, which were installed within 90 ft of RISB-113 and RISB-114, respectively, were below all TPH pCULs.
RIGW-103 and RIGW-104	Monitoring Well	✓	✓		Establish a GW monitoring network in the Building C-20, C-21, C-22 complex and evaluate extent of hydrocarbon contamination in the area	Yes	RIGW-103 and RIGW-104 were installed and sampled; see results one row up regarding analysis of GW samples for TPH. VOC samples from both wells produced TCE data consistent with estimated concentrations shown in previous Site-wide TCE concentration contour map. cPAHs were ND.

Table 25
Agreed Order Remedial Exploration Summary
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Investigation Area/ Exploration Location	Exploration Type	Media Sampled			Exploration Objective	RI Objective Achieved/Completed?	Exploration Results
		Soil	Groundwater	Soil Gas			
Trench Drain Survey	Sonde Survey				Determine discharge point of trench drain; compare discharge point location with existing Site data for potential follow-up soil and GW sampling	Yes/No (see next column and explorations completed under Phase 2 Agreed Order Remedial Investigation below)	The trench drain survey was conducted using ground-penetrating radar, metallic line detection, and video push pipe inspection and excavation techniques. The trench drain was found to potentially discharge to a shallow ditch north of Building C-19 as shown on Figure 16. The pipe was found to be partially decommissioned (disconected and plugged) north of the C-19 building and west of the Paine Field small aircraft runway seccurity fence. No subsurface data exist within the immediate vicinity of the trench discharge point (see Phase 2 AO RI results).
RIGW-100 and RIGW-101	Monitoring Well	✓	✓		Establish a GW monitoring network in the Building C-20, C-21, C-22 complex. Conduct Cr speciation in soil and GW near RISB-13	Yes	RIGW-100 and RIGW-101 were installed and sampled. GW from RIGW-100, located within 10 ft of RISB-13, did not contain detectable levels of total, hexavalent, or trivalent Cr. Two soil samples from RIGW-100 (12-13 and 19-20 ft bgs) contained total Cr and trivalent Cr at concentrations above detection limits but below the pCUL and did not contain detectable levels of hexavalent Cr. VOC samples from both wells produced TCE data consistent with estimated concentrations shown in previous Site-wide TCE concentration contour map.
Building C-23/C-23 Annex							
RISB-107 and RISB-108	Soil Boring	✓	✓		Delineate the extent of chlorinated VOCs and oil-range hydrocarbons beneath Building C-23 Annex	No. Additional characterization of the extent of chlorinated VOCs is needed beneath the southwestern portion of Building C-23 Annex (see explorations completed under Phase 2 Agreed Order Remedial Investigation below).	Elevated VOCs (up to 5,000 µg/kg TCE) were measured in a deep (29-30 ft bgs) soil sample from RISB-108 consistent with VOC data from nearby borings RISB-29 and RISB-51. Much lower VOC levels (below pCULs) were found in RISB-107 soil samples including ND TCE. Elevated VOCs (up to 1,700 µg/L cis-1,2-DCE) were measured in GW from RISB-107 and RISB-108 and were found to be generally consistent with VOC data from RISB-29 and RISB-51. The combined concentration of TPH-D and TPH-O at RISB-107 and -108 exceeds the TPH-D+O pCUL in GW but not in silica-gel cleanup samples indicating that most of the measured TPH are polar metabolites. cPAHs in GW were ND.
RISB-115	Soil Boring	✓	✓		Delineate extent of chlorinated VOC contamination east of Building C-23 Annex, near RISB-61	Yes	No VOCs were detected in soil or GW at RISB-115 or RISB-104, except methylene chloride in soil at RISB-104.
RISG-206 through RISG-208	Soil Gas Probe			✓	Delineate the extent of chlorinated VOCs beneath the northern portion of Building C-23 Annex	Yes, though the limits of the soil gas SL exceedance area were not delineated, the soil gas data generally correlate with soil and GW VOC data and additional soil gas data collection would not likely be useful in supporting feasibiilty study evaluations.	Probes were installed and soil gas samples collected from RISG-206, 207, and 208. One or more VOCs, primarily TCE, cis-1,2-DCE, and VC, exceeded soil gas SLs at each probe location though TCE concentrations were significantly lower than those found at LAI-13 in 2017.
RISB-104	Soil Boring	✓	✓		Evaluate GW and/or soil conditions near the former oil shed and de-burr area east of Building C-23	Yes	VOCs were not detected in RISB-104 soil other than low levels of methylene chloride. RISB-104 GW data all ND for VOCs. Combined TPH-D+O (2,480 µg/L) is above pCUL but only 250 µg/L (below the pCUL) with silica-gel cleanup indicating that most of the measured TPH are polar metabolites. Benzo(a)pyrene (0.093 µg/L) slightly above SL but below MTCA Method C cleanup level.
UST Survey	GPR Survey				Determine if one or more USTs are present near the SW corner of Building C-23	Yes	A UST survey was conducted using ground-penetrating radar and metallic line detection techniques. Two suspected USTs were found along the south side of C-23 as shown on Figure 6a.
RISB-109 and RISB-110	Soil Boring	✓	✓		Evaluate soil and GW conditions in the area of suspected UST near SW corner of Building C-23	Yes	Four soil samples from RISB-109 and RISB-110 were all ND for TPH-G, TPH-D, and TPH-O. GW not encountered at RISB-110; RISB-109 combined TPH-D+O is less than pCUL. cPAHs in GW were ND.
RIGW-102	Monitoring Well	✓	✓		Establish a GW monitoring well in the Building C-23/C-23 Annex complex	Yes	RIGW-102 was installed and sampled. VOC results from RIGW-102 produced TCE data consistent with estimated concentrations shown in previous Site-wide TCE concentration contour map.

Table 25
Agreed Order Remedial Exploration Summary
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Investigation Area/ Exploration Location	Exploration Type	Media Sampled			Exploration Objective	RI Objective Achieved/Completed?	Exploration Results
		Soil	Groundwater	Soil Gas			
Former Buildings C-27/C-29/Former East Fuel Farm							
RISB-111, RISB-116, and RISB-117	Soil Boring	✓	✓		Further delineate the extent of VOC contamination in GW and/or soil southwest of former Building C-27	Yes. However, additional GW monitoring wells should be installed within this area as part of remedial action to allow tracking of remediation progress	VOCs, primarily cis-1,2-DCE, TCE and VC, were detected in the deep (29-30 ft bgs) soil sample from RISB-111 but only cis-1,2-DCE exceeded the pCUL. VOCs were not detected in soil above pCULs at RISB-116 and RISB-117. TCE was not detected in GW at RISB-116 and RISB-117. RISB-111 GW had 1.9 µg/L TCE, which is slightly below the pCUL of 2.3 µg/L but the sample exceeded the GW pCULs for cis-1,2-DCE and VC.
RISG-209 through RISG-218	Soil Gas Probe			✓	Characterize the nature and extent of VOCs in soil gas within the VOC plume centered around former Building C-27	Yes, though the limits of the soil gas SL exceedance area were not delineated, the soil gas data generally correlate with soil and GW VOC data and additional soil gas data collection would not likely be useful in supporting feasibility study evaluations.	Probes were installed and soil gas samples collected from each probe. High concentrations of VOCs, primarily TCE, tetrachloroethylene and VC, were found at each probe except RISG-218. TCE concentrations were several orders of magnitude above the soil gas SL at eight of the 10 probes. Elevated levels of VOCs in soil gas generally correllated with elevated levels of VOCs in shallow soil and groundwater though the correllation between actual concentrations of VOCs in soil gas and actual concentrations of VOCs in shallow soil and groundwater was weak (i.e., soil gas concentrations remained quite high even in areas with lower VOC concentrations in soil and groundwater).
RISB-112	Soil Boring	✓			Delineate the northerly extent of chromium contamination in soil at the north end of former Building C-29	Yes	Three RISB-112 soil samples all below the pCUL for total Cr. Hexavalent Cr was ND.
HMB1	Monitoring Well		✓		Evaluate for the presence of PFAS at the Site by sampling GW at a Site location where PFAS have the greatest likelihood of detection based on available information	Yes, PFAS presence verified; however, additional investigation of PFAS extent has been requested.	12 of the 40 PFAS compounds tested were found above detection limits in the HMB1 GW sample. Two PFAS compounds, PFOS and PFOA, were detected at concentrations above project SLs.
Deep Aquifer							
RIDW-7	Monitoring Well		✓		Re-characterize deep aquifer GW conditions in the immediate vicinity of DW1 in the Building C-19 area per discussion in Section 5.4 of this report	Yes	RIDW-7 was installed and sampled twice following decommissioning of adjacent DW1. VOCs were not detected in RIDW-7 at concentrations above pCULs even though DW1 contained 840 µg/L TCE immediately prior to decommissioning indicating that DW1 analytical results were likely compromised by cross-contamination between the perched GW unit and the deep aquifer. 1,4-dioxane was detected in RIDW-7 GW (0.20 µg/L) but below the 0.44 µg/L pCUL.
RIDW-8	Monitoring Well		✓		Re-characterize deep aquifer GW conditions in the immediate vicinity of DW2 in the Former Building C-29/Former East Fuel Farm area per discussion in Section 5.4 of this report	Yes, but further assessment of the potential for cross-contamination at DW2/RIDW-8 should be conducted to evaluate if RIDW-8 VOC concentrations have reduced with time following additional aquifer flushing.	RIDW-8 was installed and sampled twice following decommissioning of adjacent DW2. With the exception of TCE, VOCs (mainly 1,1,2-TCA and 1,2-DCA) were detected in RIDW-8 during the first post-decommissioning sampling event at concentrations similar to concentrations measured in DW2 immediately prior to decommissioning, and at concentrations above pCULs. TCE was not detected in RIDW-8 but was measured at 8.0 µg/L in DW2 immediately prior to decommissioning. However, the concentration of TCE in RIDW-8 rebounded to above the pCUL during the second post-decommissioning sampling event. These data indicate that cross-contamination between the perched GW unit and the deep aquifer did not occur at DW2 or occurred to a much lesser degree relative to DW1. Additional monitoring data from RIDW-8 will provide more conclusive evidence to assess cross-contamination at DW2. 1,4-dioxane was detected in RIDW-8 GW (3.9 µg/L) above the 0.44 µg/L pCUL.

Table 25
Agreed Order Remedial Exploration Summary
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

PHASE 2 AGREED ORDER REMEDIAL INVESTIGATION

Investigation Area/ Exploration Location	Exploration Type	Media Sampled			Exploration Objective	RI Objective Achieved/Completed?	Exploration Results
		Soil	Groundwater	Soil Gas			
Building C-19							
RISB-201	Soil Boring	✓	✓		Delineate the extent of chlorinated solvents and 1,4-dioxane in groundwater around existing boring RISB-58 located east of the northern half of Building C-19	Yes	Volatile organic compounds (VOCs) including chlorinated solvents were not detected in the RISB 201 GW sample at concentrations above laboratory reporting limits. VOCs were also not detected in two RISB-201 soil samples, except for acetone and methylene chloride, two common laboratory contaminants. 1,4-dioxane was detected in RISB-201 GW (0.067 µg/L flagged estimated value) but well below the 0.44 µg/L pCUL.
Building C-20, C-21, C-22 Complex							
RISB-202	Soil Boring	✓	✓		Evaluate soil and groundwater in the immediate vicinity of the trench drain discharge point	Yes	VOCs were not detected in the RISB-202 groundwater sample at concentrations above reporting limits. Diesel- and oil-range total petroleum hydrocarbons (TPH) were detected in groundwater at concentrations above reporting limits and the oil-range TPH concentration (620 µg/L) exceeded the pCUL of 500 µg/L; however, the same sample had an oil-range TPH concentration at or below the pCUL following silica-gel cleanup to remove polar metabolites from the sample. The combined diesel- and oil-range TPH concentration (680 µg/L) exceeded the 500 µg/L pCUL after silica-gel cleanup. Several metals including arsenic, barium, cadmium, chromium, copper, lead, and mercury were detected in RISB-202 groundwater at concentrations exceeding the pCUL or SL based on total metals (i.e., non-filtered) analysis. However, in each case, the dissolved metals (i.e., filtered) analysis yielded concentrations below pCULs or SLs. 1,4-dioxane was detected in RISB-202 GW but well below the pCUL. cPAHs present in GW but below SLs. VOCs and TPH were not detected in the two RISB-202 soil samples except for methylene chloride. Several metals were detected at concentrations above reporting limits but below pCULs or SLs.
Building C-23/C-23 Annex							
RISB-203	Soil Boring	✓	✓		Evaluate soil and groundwater adjacent to a suspected underground storage tank (UST) along the south side of Building C-23	Yes	VOCs, including chlorinated solvents, were not detected in the RISB-203 GW sample at concentrations above laboratory reporting limits. Diesel- and oil-range TPH were detected in groundwater at concentrations above pCULs; however, the same sample showed greatly reduced diesel- and oil-range TPH concentrations following silica-gel cleanup though the diesel-range TPH concentration still slightly exceeded the pCUL. Several metals including arsenic, chromium, copper, lead, and nickel were detected in GW at concentrations above laboratory reporting limits; only arsenic exceeded the pCUL. cPAHs in GW were ND. VOCs and TPH were not detected in the RISB-203 soil sample except for methylene chloride. Several metals were present at concentrations above reporting limits but below pCULs or SLs. 1,4-Dioxane was detected in RISB-203 GW (0.044 µg/L flagged estimated value) at a concentration just above the reporting limit but well below the 0.44 µg/L pCUL.
RISB-204	Soil Boring	✓	✓		Delineate the extent of chlorinated solvents in soil and groundwater in the southwest quadrant of the Building C-23 Annex.	Yes	Low levels of two chlorinated solvents, cis-1,2-dichloroethene and VC, were detected in groundwater at concentrations above reporting limits and slightly above pCULs. VOCs were not detected in the two RISB-204 soil samples except for methylene chloride. The groundwater results from RISB-204 showed that 1,4-dioxane was detected (0.92 µg/L) at a concentration slightly above the 0.44 µg/L pCUL.

Table 25
Agreed Order Remedial Exploration Summary
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Investigation Area/ Exploration Location	Exploration Type	Media Sampled			Exploration Objective	RI Objective Achieved/Completed?	Exploration Results
		Soil	Groundwater	Soil Gas			
Former Building C-29/Former East Fuel Farm							
RISB-205 (soil boring) and RIGW-3, MW-4, and RIDW-4 (MW sampling)	Soil Boring and MW Sampling	✓	✓		Delineate the extent of PFAS in groundwater in the northern Former Building C-29/Former East Fuel Farm area.	No. The AO RI interim data report, phase 2, recommended sampling existing downgradient deep groundwater monitoring wells RIDW-5 and RIDW-6 for PFAS and re-sampling existing deep groundwater monitoring well RIDW-4 for PFAS to confirm the earlier detection (see results in next row below).	Several PFAS compounds were present in the samples at concentrations above reporting limits and each sample contained perfluorooctane sulfonate (PFOS) and/or perfluorooctonoic acid (PFOA) at concentrations above project screening levels. The concentrations of these compounds were markedly less in deep well RIDW-4 relative to the concentrations in the perched groundwater, and PFOS was not detected at a concentration above the laboratory reporting limit. VOCs were not detected in the RISB-205 groundwater or soil samples at concentrations above laboratory reporting limits (other than methylene chloride in soil). 1,4-Dioxane was detected in RISB-205 GW (0.059 µg/L estimated flagged value) at a concentration slightly below the pCUL.
RIDW-4, RIDW-5, and RIDW-6 (MW sampling)	MW Sampling		✓		Further delineate the extent of PFAS in groundwater in the northern Former Building C-29/Former East Fuel Farm area.	Yes, additional evaluation of PFAS at the Airport, including the Site, will be addressed under a separate agreed order.	Several PFAS compounds were present in the samples at concentrations above reporting limits but only PFOA was detected (at RIDW-5 and RIDW-6 only) above the PFOA SL of 4 ng/L (or 0.004 µg/L).

Abbreviations and Acronyms:

bgs = below ground surface
cPAH = carcinogenic polycyclic aromatic hydrocarbon
Cr = chromium
DCA = dichloroethane
DCE = dichloroethene
ft = foot or feet
GW = groundwater
µg/kg = micrograms per kilogram
µg/L = micrograms per liter
MTCA = Model Toxics Control Act
MW = monitoring well
ng/L = nanograms per liter
ND = not detected
pCUL= preliminary cleanup level
PFAS = per- and polyfluorinated alkyl substances
SL = screening level
TCA = trichloroethane
TCE = trichloroethene
TPH = total petroleum hydrocarbons
UST = underground storage tank
VC = vinyl chloride
VOC = volatile organic compound

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Table 26
Well Construction Details
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Well ID	Ecology ID	Installation Date	Well Installation/ Total Depth (ft bgs)	Screened Interval(s) (ft bgs)[a]	Northing	Easting	Ground Elevation (ft) (NAVD88)	TOC Elevation (ft) (NAVD88)	Groundwater Elevation (Nov 2024)	Drilling Method	Monument Surface Completion	Borehole Diameter (in)	Casing Diameter (in)	Casing Schedule	Current Pump Type
DW1[e]	--	12/12/1999	147	137-147[b]	330824.9	1287185.52	597.28	600.77	--	AIR ROTARY DRILL	FLUSH MOUNT	6	2	40	N/A
DW2[e]	--	12/14/1999	147	137-147[b]	331656.34	1286976.21	598.32	601.25	--	AIR ROTARY DRILL	FLUSH MOUNT	6	2	40	N/A
DW3	AAZ 0069	5/4/2000	151	134-144[b]	331269.66	1287396.06	597.11	600.43	467.46	AIR ROTARY DRILL	FLUSH MOUNT	6	2	40	Nondedicated bladder (N2)
RIDW-1	BLN725	12/7/2018	150	140-150	330582.52	1287180.13	Not surveyed	598.88	466.73	ROTOSONIC	FLUSH MOUNT	8	2	40	Nondedicated bladder (N2)
RIDW-2	BLN726	12/11/2018	152	142-152	330896.46	1286960.74	Not surveyed	603.66	467.47	ROTOSONIC	FLUSH MOUNT	8	2	40	Nondedicated bladder (N2)
RIDW-3	BLN727	12/14/2028	150.5	140-150	331241.54	1287100.57	Not surveyed	601.47	467.47	ROTOSONIC	FLUSH MOUNT	8	2	40	Nondedicated bladder (N2)
RIDW-4	BLT529	9/4/2019	145	135-145	331655.45	1286813.14	Not surveyed	601.46	467.28	ROTOSONIC	FLUSH MOUNT	10	2	40	Nondedicated bladder (N2)
RIDW-5	BPL498	2/2/2023	150	140-150	332150.479	1286700.526	603.08	602.63	465.73	ROTOSONIC	FLUSH MOUNT	8	2	40	Nondedicated bladder (N2)
RIDW-6	BLP473	11/18/2022	144	134-144	331939.36	1287018.976	601.27	600.97	466.58	ROTOSONIC	FLUSH MOUNT	6	2	40	Nondedicated bladder (N2)
RIDW-7	BQG 994	6/17/2024	148	138-148	330820.571	1286700.526	600.516	600.164	467.19	ROTOSONIC	FLUSH MOUNT	8	2	40	Nondedicated bladder (N2)
RIDW-8	BQG 993	6/13/2024	149.5	139.5-149.5	331653.909	1287207.255	602.289	601.928	467.28	ROTOSONIC	FLUSH MOUNT	8	2	40	Nondedicated bladder (N2)
MW-1	[g]	4/18/1994	23	13-23[d]	331664.87	1286959.53	Not surveyed	601.24	592.45	HSA	FLUSH MOUNT	8	2	40	Peristaltic
MW-2	[g]	4/18/1994	17	12-17[d]	331671.41	1286999.26	Not surveyed	600.78	597.70	HSA	FLUSH MOUNT	8	2	40	Peristaltic
MW-3	[g]	4/20/1994	17.5	12.5-17.5[d]	331697.12	1286976.61	Not surveyed	600.79	598.01	HSA	FLUSH MOUNT	8	2	40	Peristaltic
MW-4	[g]	4/20/1994	17.5	7.5-17.5[d]	331707.73	1286921.56	Not surveyed	601.27	598.12	HSA	FLUSH MOUNT	8	2	40	Peristaltic
HMB1	[g]	[g]	18	8-18	331709.9	1286862.19	Not surveyed	601.3	597.93	[g]	FLUSH MOUNT	[g]	2	40	Peristaltic
C29-MW1	ACG 272	4/19/1996	19	9-19[c]	331598.02	1286965.75	Not surveyed	600.86	599.71	HSA	FLUSH MOUNT	8	2	40	Peristaltic
C29-MW2	ACG273	4/119/1996	15	5-15[c]	331526.86	1286993.7	Not surveyed	601.08	[f]	HSA	FLUSH MOUNT	8	2	40	Peristaltic
SCPWD-1	[g]	12/20/1996	19.5	10-20[b]	331596.81	1286924.43	Not surveyed	600.94	598.74	HSA	FLUSH MOUNT	8	2	40	Peristaltic
SCPWD-2	[g]	12/20/1996	30	15-30[b]	330850.23	1287189.24	Not surveyed	600.27	596.64	HSA	FLUSH MOUNT	8	2	40	Peristaltic
SCPWD-3	[g]	12/20/1996	29.3	20-30[b]	330818.94	1287221.21	Not surveyed	600.19	594.90	HSA	FLUSH MOUNT	8	2	40	Peristaltic
SCPWD-4	[g]	12/20/1996	18	8-18[b]	330839.21	1287279.1	Not surveyed	601.29	594.30	HSA	FLUSH MOUNT	8	2	40	Peristaltic
RIGW-55	BMK281	3/18/2019	9	4-9	330876.1	1287266.17	Not surveyed	601.77	594.79	GEOPROBE	FLUSH MOUNT	2.5	2	80	Peristaltic
RIGW-1	BMX890	8/17/2021	20	10-20[b]	331345.31	1286825.37	Not surveyed	600.84	DRY	HSA	FLUSH MOUNT	8	2	40	Peristaltic
RIGW-2	BMX877	817/2021	13	3-13[b]	331495.39	1286672.42	Not surveyed	599.5	595.80	HSA	FLUSH MOUNT	3	1	80	Peristaltic
RIGW-3	BPL472	11/10/2022	20	10-20	331615.974	1286857.535	601.33	601.05	594.15	ROTOSONIC	FLUSH MOUNT	6	2	40	Peristaltic
RIGW-100	BQG 991	6/5/2024	20	10-20	331142.244	1287072.071	602.26	601.914	601.20	ROTOSONIC	FLUSH MOUNT	8	2	40	Peristaltic
RIGW-101	BQG 989	6/4/2024	26.5	21.5-26.5	331171.117	1287157.63	601.878	601.575	596.72	ROTOSONIC	FLUSH MOUNT	8	1	80	Peristaltic

Table 26
Well Construction Details
Agreed Order Remedial Investigation Report
TECT Aerospace Cleanup Site
Paine Field – Everett, Washington

Well ID	Ecology ID	Installation Date	Well Installation/ Total Depth (ft bgs)	Screened Interval(s) (ft bgs)[a]	Northing	Easting	Ground Elevation (ft) (NAVD88)	TOC Elevation (ft) (NAVD88)	Groundwater Elevation (Nov 2024)	Drilling Method	Monument Surface Completion	Borehole Diameter (in)	Casing Diameter (in)	Casing Schedule	Current Pump Type
RIGW-102	BQG 988	6/3/2024	26	21-26	331595.598	1287177.147	604.374	604.034	595.30	ROTOSONIC	FLUSH MOUNT	8	2	40	Peristaltic
RIGW-103	BQG 992	6/5/2024	17.5	7.5-17.5	331052.405	1287046.505	604.166	603.865	599.48	ROTOSONIC	FLUSH MOUNT	8	2	40	Peristaltic
RIGW-104	BQG 990	6/4/2024	23	18-23	331229.192	1287303.874	601.633	601.299	596.19	ROTOSONIC	FLUSH MOUNT	8	2	40	Peristaltic

Notes:

N/A = Not Applicable

= no boring log found, well details assumed from field inspection

a. All wells were constructed with 12/20 sand and 0.010 in. slot screen unless otherwise noted.

b. The well was constructed using 10/20 sand.

c. The well was constructed using 2/12 sand.

d. The well was constructed using 0.020 in. slot screen.

e. Original wells DW-1 and DW-2 were decommissioned and replaced with RIDW-7 and RIDW-8, respectively, in June 2024.

f. Groundwater elevation could not be collected due to ponded water over monument.

g. This data was not available at the time this table was compiled.

Abbreviations and Acronyms:

bgs = below ground surface
ft = feet
HSA = hollow-stem auger
ID = identity
NAVD88 = North American Vertical Datum 1988
PVC = polyvinyl chloride