EXCAVATION OF CONTAMINATED SOIL AND FOCUSED INVESTIGATIONS

Buried Materials – Yakima Speedway
1600 Pacific Avenue, Yakima, WA
Yakima County Parcel 191320-43002

Report Prepared For:

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October 14, 2021

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1.0 INTRODUCTION AND BACKGROUND

This report documents the results of focused investigations and excavation and off-site disposal of petroleum-contaminated soil from the southeast corner of the *subject property*, former *Yakima Speedway*, located at 1600 Pacific Avenue, in Yakima, Washington. Recently, during the purchase of the property from Theodore Pollock by Papé Properties Inc (Papé), it was disclosed to Papé that car bodies, tires, and unknown materials may have been historically buried on the southeast corner of the *subject property*, to raise the grade in this area. In response, Papé contracted with GPRS Inc. to have an Electromagnetic Induction (EMI) survey conducted at this portion of the property to identify any anomalies or buried materials in this area. The EMI survey identified four (4) areas with anomalies, all varying in size, but generally the areas were approximately 10 feet by 15 feet.

Upon completion of the EMI survey, each of the identified anomalies were investigated. At each of the anomalies, test pits were excavated using an excavator to depths of approximately eight (8) to 10 feet below land surface (BLS). In addition, temporary borings were advanced for the purpose of sampling soil and groundwater. Found within the test pits were car parts, an abandoned propane tank (that might have been used for storing fuel or used oil), and demolition debris. Analytical results from the test pits and temporary borings identified heavy oil and lead in soil above Model Toxics Control Act (MTCA) Method A cleanup levels. The area of heavy oil contamination was subsequently excavated and disposed at an authorized treatment facility.

To confirm the extent of contamination, a final push-probe investigation was conducted in this area. This report documents those findings. The investigations were conducted in general accordance with Washington Department of Ecology (Ecology) regulations governing investigation and cleanup activities found in *Guidance for Remediation of Petroleum Contaminated Sites,* Toxics Cleanup Program Publication No. 10-09-057; Ecology's *Guidance for Site Checks and Site Assessments for Underground Storage Tanks*; and American Society for Testing and Materials (ASTM) Designation E1903-11 Phase II ESA Standard.

2.0 SITE DESCRIPTION

2.1 Location, Legal Description and Zoning

The excavation work and expanded investigation was conducted at the southeast corner of the Yakima Speedway located at 1600 Pacific Avenue, in Yakima, Washington. The *subject property* is identified as the southern 10.4 acres of Yakima County parcels 191320-34010, 191320-34011, 191320-43002, and 191329-21401. However, the excavation work and expanded investigation occurred on parcel 191320-43002. The geodesic location of the *subject property* is described as the southwest quarter of Section 20, Township 13 North, Range 19 East. The general location of the *subject property* is depicted on the Site Vicinity map included as **Figure 1**. A **Site Aerial Photograph**, which shows the *subject property* and surrounding areas, is provided as **Figure 2**. A **Site Plan** is provided as **Figure 3**.

According to the proposed purchase agreement, and Yakima County public records, the *subject property* is identified as being composed of the following Yakima County parcels, in part, or whole:

- **191320-34010:** the approximately 7.13-acre southeastern portion of this 24.4-acre parcel;
- **191320-34011:** the approximately 0.547-acre southern portion of this 0.65-acre parcel;
- **191320-43002:** the approximately 2.41-acre southern portion of this 3.08-acre parcel; and
- **191329-21401:** the entirety of this 0.68 acre parcel.

The above parcels (and *subject property*) were formerly owned by Theodore A. Pollock, and recently purchased by Papé Properties Inc. According to the City of Yakima's Zoning Map, the *subject property* is zoned Regional Development (RD), as are the adjacent and nearby properties to the west, north, and south. The area to the east, beyond Interstate 82, is Buchanan Lake.

2.2 Site and Vicinity General Description

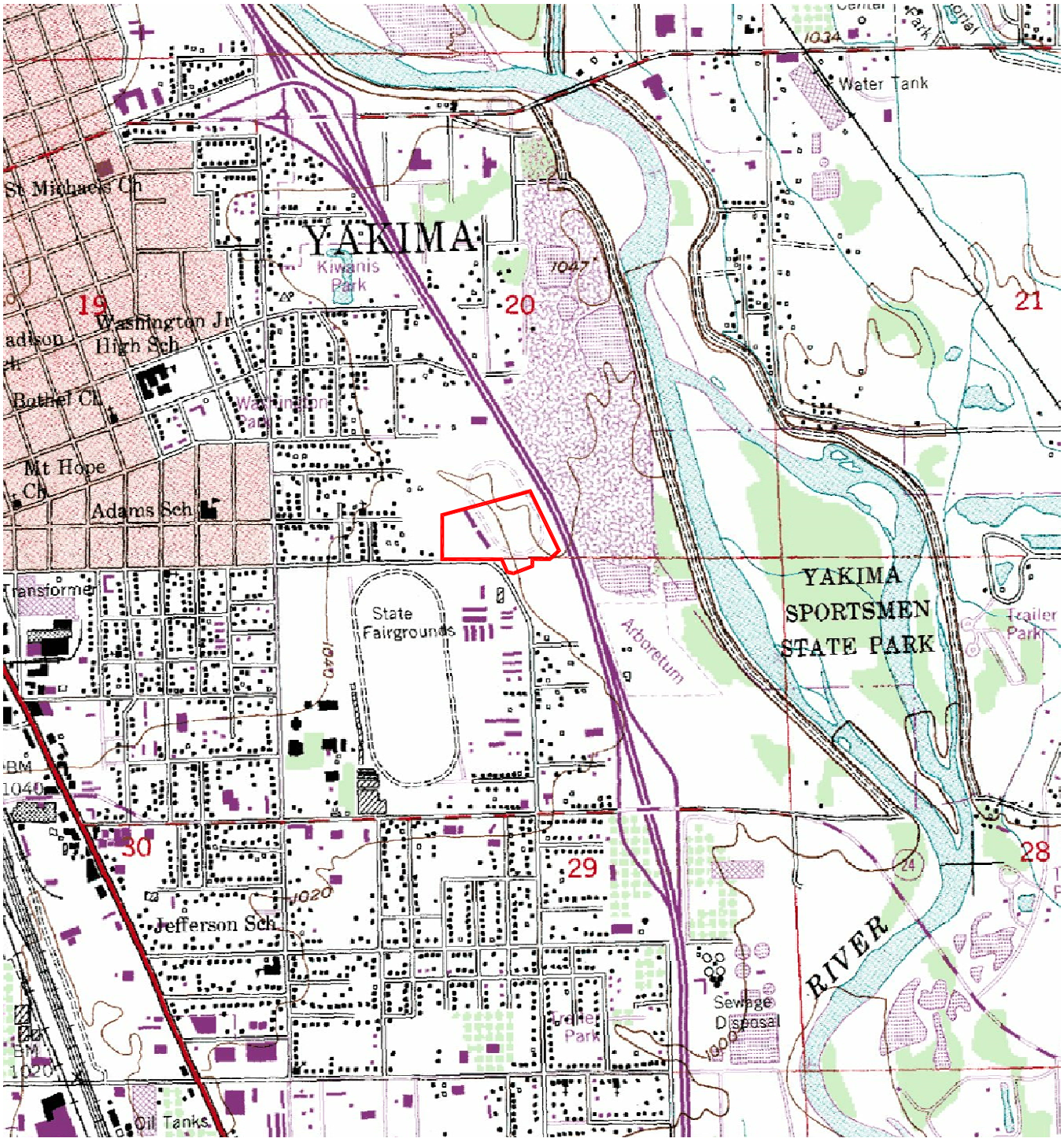
The *subject property* is identified as the former Yakima Speedway racetrack in east Yakima, Washington. The *subject property* is located north and northeast of intersecting Pacific Avenue and South 18th Street. The *subject property* is developed with the Yakima Speedway racetrack, a half-mile oval racetrack with infield pits and storage area, grandstands, a press booth, and gravel entrance and parking lot.

2.3 Description of Subject Property and Area of Investigation

The *subject property* is developed with the former Yakima Speedway racetrack, a half-mile oval racetrack with an asphalt and gravel infield pit area, grandstands, a press booth / observation tower, and gravel entrance and parking lot. Beyond the racetrack to the north, east, and south are areas of bare ground, composed predominantly of gravel. The area of concern identified by the EMI survey is the southeastern portion of the property, specifically, parcel #191320-43002.

N

0 1/4 1/2 1 (MILE)



SOURCE: USGS TOPOGRAPHIC QUADRANGLE
SERIES: 7.5 MINUTE, YAKIMA EAST, WA

SITE LOCATION

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SITE LOCATION MAP
YAKIMA SPEEDWAY
1600 PACIFIC AVENUE, YAKIMA, WASHINGTON

FIGURE #: 1

PROJECT CODE:	DATE:	SCALE:	DRAWN:	CHECKED:
PAP159PH1.20E	12/02/20	AS SHOWN	K.D.DESIGNS	STEVE OMO

N

0 800
400
(FEET)

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SITE AERIAL
YAKIMA SPEEDWAY
1600 PACIFIC AVENUE, YAKIMA, WASHINGTON

FIGURE #: 2

PROJECT CODE:	DATE:	SCALE:	DRAWN:	CHECKED:
PAP159PH1.20E	12/02/20	AS SHOWN	K.D.DESIGNS	STEVE OMO

N

0 50 100 (FEET)

Used Oil Drums & Stained Soil

Asphalt

Driver Meeting Building

Former Soil Staining

Used (Empty) Fuel Drums

Former UST

Grandstands

Grandstands

Grandstands

Grandstands

Grandstands

TL 191320-34011

Beer Garden

Restrooms

Outdoor BBQ

Ticket Booth

Ticket Booth

Press/Race Announcer Booth

Food Service

YAKIMA SPEEDWAY PROPERTY

Roll-Off Storage Containers (Drums of Fuel, Tires, Portable Tire Changers)

TL 191320-34010

Asphalt

Grass

Grass

Grass

Outdoor Seating

INTERSTATE 82

SUBJECT PROPERTY

TL 191320-43002

TP-3

TP-4

TP-2

TP-1

PACIFIC AVENUE

TL 191329-21401

Grass

LEGEND

- TP-2 — Test Pit Location and Identification Number
- Building
- Property Line
- TL 191320-34010 — Tax Lot Number
- Fence Line
- Catch Basin
- Overhead Light

FIGURE #: 3

SITE PLAN
YAKIMA SPEEDWAY
1600 PACIFIC AVENUE, YAKIMA, WASHINGTON

DATE: 10/14/20 | SCALE: 1"=100' | DRAWN: K.D.DESIGNS | CHECKED: STEVE OMO

PROJECT CODE: PAP159PH1.20E

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2.4 Current Use

At the time of the initial Phase I Environmental Site Assessment (ESA), Yakima Speedway occupied the *subject property*, although according to a caretaker living onsite in a mobile home, no races or events had occurred on the property in several months. Papé is in the process of developing plans for demolition of the Speedway and grandstands, and redeveloping the property with a new Papé Kenworth facility. A site plan for the proposed Kenworth facility is provided in **Appendix A**.

2.5 Physical Setting

Surface topography of the *subject property* has a very slight surface gradient towards the bare-ground portion of the racetrack infield. The approximate elevation of the *subject property* ranges from 1,025 feet above mean sea level (msl[1]) at the westernmost portion of the *subject property*, to 1,012 feet above msl at the central infield. Local and regional topography dips gently east and southeast towards Yakima River (see **Figure 1**).

According to the *Geologic Map of the West Half of the Yakima Quadrangle, Washington* (Division of Geology and Earth Resources), the *subject property* and surrounding areas are underlain by Terraced Quaternary (Qt) deposits. The Qt deposits are described as stream deposits of silt, sand, and gravel of diverse composition and largely confined to the Yakima River drainage system. Based on subsurface investigations at the subject property, native soils include sandy gravels with cobbles, from near surface to depths of at least 15 feet below land surface (BLS). Uppermost groundwater was generally encountered at depths as shallow as seven (7) feet BLS. Groundwater flow beneath and in the near vicinity of the *subject property* is assumed to flow east-southeast, towards the Yakima River.

According to the County soil survey compiled by the U.S. Department of Agriculture's Soil Conservation Service, and provided by EDR, the dominant soils underlying the *subject property* and surrounding area are identified as *Weirman* sandy loam, which is described as having slow infiltration rates, and well drained. A review of the *National Wetlands Inventory Map*, provided by Environmental Data Resources, Inc. (EDR), for the target area did not identify any wetland areas or flood hazards for the *subject property*.

[1] Source: Google Earth Imagery, dated October 13, 2018.

3.0 REGULATORY FRAMEWORK - CONCEPTUAL SITE MODEL

The primary purpose of this investigation was to confirm or deny the presence of petroleum contamination in soil and/or groundwater beneath the *subject property* near current and former areas of concern (e.g., former UST, fuel/drum storage areas, and former area of oil staining). In accordance with Chapter 173-340 of the Washington Administrative Code (WAC), Ecology issued the Model Toxics Control Act (MTCA), as a means for identifying applicable and appropriate cleanup values for media (i.e., soil, groundwater, and surface water) contaminated with hazardous materials and petroleum products. Protective of human and ecological receptors, the cleanup values are either Ecology-derived default values, or based on site-specific data. MTCA provides the following three (3) basic options for establishing cleanup values:

- **Method A – Applicable Laws and Tables:** Method A provides cleanup levels that are protective of human health for 28 of the most common hazardous substances (metals and organics) found at contaminated sites. These cleanup levels are based on applicable state and federal laws (developed by many of the procedures outlined in Method B); natural background concentrations; or laboratory-analysis practical quantitation limits (PQLs).

- **Method B – Universal Method:** Method B cleanup levels are established using applicable state and federal laws and risk assessment equations, and as appropriate, site-specific data. Method B is divided into two (2) tiers – standard and modified – and are based on less than a one-in-a-million for individual carcinogens, and a hazard quotient of less than one (1) for non-carcinogens (the point at which the substance may cause illness in humans). Standard B uses generic default assumptions in the risk equations to calculate cleanup levels. Modified Method B provides for the use of chemical- and site-specific data in the risk equations to calculate cleanup values. Method B cleanup levels generally do not require future land use restrictions.

- **Method C – Conditional Method:** Method C cleanup levels are also divided into standard and modified tiers, but were developed with industrial sites in mind, utilizing less stringent exposure assumptions, based on a 1 in 100,000 (10^{-5}) cancer risk.

In order to evaluate detected concentrations and place them into a regulatory framework, contaminant concentrations have been compared to MTCA Method A Cleanup Levels (CULs) developed by Ecology. The MTCA Method A CULs were established for unrestricted land use, and as such, are considered protective of human-health under various potential exposure pathways and receptor scenarios, including those for excavation / utility workers, and current onsite workers or potential residents under future land use scenarios (e.g. dermal contact and/or inhalation exposure pathways).

4.0 INITIAL INVESTIGATIONS

4.1 Report of Buried Car Bodies and Debris

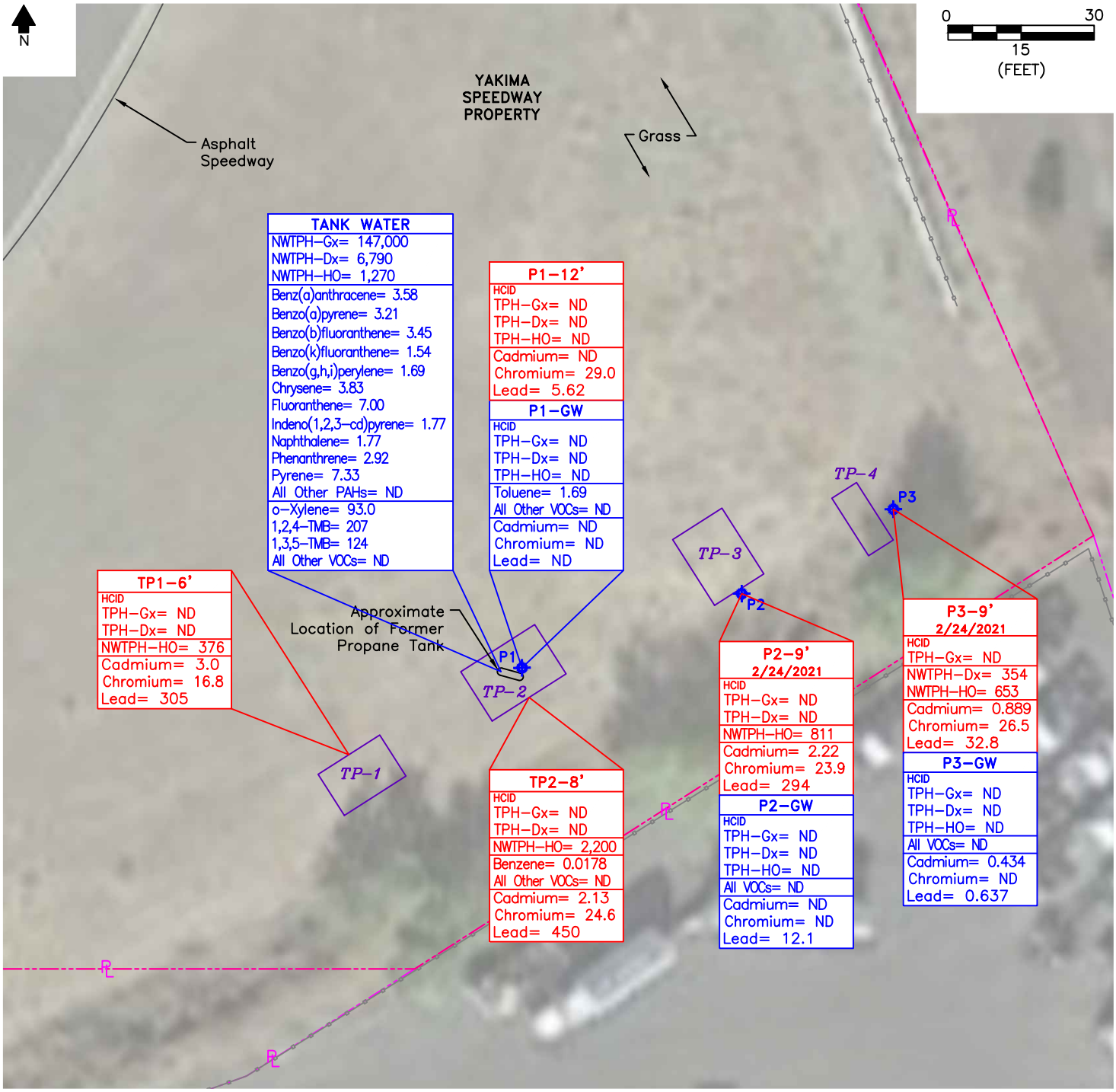
A concerned citizen reported to Papé that car bodies and miscellaneous debris were potentially buried to raise the grade of the southeastern portions of the *subject property*; more specifically, tax lot 191320-43002 (see **Figure 3**). In response, GPRS conducted an Electromagnetic Induction (EMI) survey. As part of the EMI survey, subsurface anomalies were identified. GPRS identified and marked in paint on the ground, four (4) areas of concern on the southeast portion of the *subject property*. Each of the four (4) areas painted on the ground ranged in size from 10 feet by 15 feet, to as large as 15 feet by 18 feet in size.

4.2 Test Pit and Push-Probe Investigation

On February 24th, 2021, an investigation was conducted to evaluate current subsurface soil and groundwater conditions beneath the spray-painted areas of concern identified by GPRS beneath the southeast corner of the *subject property.* As part of the investigation, test pits were excavated at each of the four (4) painted areas of concern; and three (3) borings were advanced to sample both soil and groundwater beneath and adjacent to three (3) of the test pits. The location of the test pits, borings, and analytical results are shown on **Figure 4**.

Excavation Findings: Four (4) test pits were excavated at each of the four (4) areas of concern identified by GPRS. The size and depth of the test pits ranged from six (6) feet by 14 feet, to as large as 12 feet by 18 feet. The depth of the test pits ranged from approximately six (6) to 10 feet. Materials encountered within this test pits included a tree stump and large limbs, scrap metal (e.g., car parts), metal fence posts, bricks, pieces of concrete rubble, glass, and wood debris. Of concern however, was a former propane tank two (2) feet in diameter and 10 feet long, approximately 225-gallon capacity, identified in test pit TP2. The tank was noted to be half filled with water that had a sheen and odor of old gasoline. Samples collected from the water detected predominantly heavily degraded gasoline-range and diesel-range Total Petroleum Hydrocarbons (TPH).

Push-Probe Locations: Three (3) push-probe borings were advanced using a track-mounted GeoProbe® 7822 drill rig and GeoProbe® tooling and equipment. Each of the push-probe borings were advanced to below groundwater at 15 feet BLS. Probe P1 was placed through the center of backfilled test pit TP2 (where the metal tank was found). probe P2 was placed immediately south of test pit TP3, and probe P3 was placed immediately east of test pit TP4.



LEGEND

P2-9'
HCID
TPH-Gx= ND
TPH-Dx= ND
TPH-HO= DET
NWTPH-Dx= ND
NWTPH-HO= 811
Cadmium= 2.22
Chromium= 23.9
Lead= 294
P2-GW
HCID
TPH-Gx= ND
TPH-Dx= ND
TPH-HO= ND
All VOCs= ND
Cadmium= ND
Chromium= ND
Lead= 12.1

Total Petroleum Hydrocarbons per HCID, NWTPH-Gx (Gasoline), NWTPH-Dx (Diesel), NWTPH-HO (Heavy Oil);
Volatile Organic Compounds per EPA Method 8260D;
Polyaromatic Hydrocarbons (PAHs) by EPA Method 8270E SIM;
Soil units in parts per million (ppm);
GW units in parts per billion (ppb);
ND= Not Detected

P1 — Soil Boring Location and Identification Number (2/24/2021)

TP-2 — Test Pit Location and Identification Number

PL — Property Line

Fence Line

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SITE PLAN SHOWING TEST PITS
YAKIMA SPEEDWAY
1600 PACIFIC AVENUE, YAKIMA, WASHINGTON

FIGURE #: 4

PROJECT CODE:	DATE:	SCALE:	DRAWN:	CHECKED:
PAP159PH1.20E	10/14/21	1"=30'	K.D.DESIGNS	STEVE OMO

Soil Analytical Results: Grey stained soils noted beneath the metal tank were sampled and found to contain oil-range TPH at 2,200 milligrams per kilogram (parts per million [ppm]), just above the MTCA A cleanup level at 2,000 ppm. A soil sample from test pit TP1 contained low level oil-range TPH below the MTCA A cleanup level. Low-level oil-range TPH was also detected in soil samples collected at the soil/water interface from probes P2 and P3, both below MTCA A cleanup levels. Elevated lead levels, above the MTCA A cleanup level of 250 ppm, were identified in soil samples collected from test pits TP1 and TP2, and push-probe P2; although not at levels considered hazardous waste.

Groundwater: Groundwater samples collected from each of the three (3) push-probe borings were analyzed for petroleum identification, full-list (66) Volatile Organic Compounds (VOCs), and cadmium, chromium, and lead. Laboratory analysis did not detect gasoline-, diesel-, or oil-range TPH above method reporting limits (MRLs) in groundwater from push-probe borings. Of the 66 VOCs analyzed, only toluene was detected in groundwater from push-probe P1 (well below the MTCA Method A cleanup level). No VOCs were detected in groundwater from probes P2 and P3. Dissolved lead was detected in groundwater from probe P2, but at levels below MTCA A cleanup levels.

MTCA Cleanup Level Comparison: Laboratory analysis identified lead in the following soil samples above the MTCA A cleanup level (250 parts per million [ppm]) for unrestricted land use: TP1-6' (from test pit TP1), TP2-8' (from grey stained soils in test pit TP2), and P2-9' (from boring next to test pit TP3). Also, oil-range TPH was detected in soil from test pit TP2 at 2,200 ppm, above the MTCA A cleanup level of 2,000 ppm. No other contaminants were detected in soil above MTCA A cleanup levels. In groundwater, very few contaminants were detected in groundwater (only toluene, lead, and cadmium were detected), all below MTCA Method A cleanup levels. Based on the analytical results, it appears that the buried materials in this portion of the property impacted soil with oil-range petroleum and lead. The source of the lead may have been lead-paint on building materials buried in this area. The lead is below levels considered hazardous. Despite the impacted soil, it appears that little to no contaminants have leached to groundwater.

5.0 CONTAMINATED SOIL REMOVAL AND DISPOSAL

5.1 Yakima Health District Review and Approval

Prior to conducting excavation of the contaminated soil identified in test pit TP2, soil analytical results from the test pits and push-probe borings in this area were submitted to Ted Silvestri of the Yakima Health District. Upon review, Mr. Silvestri stated that because the contaminated soil contained oil-range TPH above MTCA Method A cleanup levels, the soil would require treatment at the DTG Petroleum Contaminated Soil (PCS) Remediation Facility in Yakima. Mr. Silvestri approved excavation and hauling the soil to the DTG PCS Remediation Facility for treatment in a letter dated June 1, 2021.

5.2 Excavation and Off-Site Disposal / Treatment

On July 15, 2021, approximately 40.88 tons of grey stained soils were excavated from test pit TP2. The depth of most heavily stained soils were at six (6) to eight (8) feet below land surface. The excavation measured approximately 15 feet north-south by 25 feet east-west, and 10 feet deep. It should be noted that previous sampling of soil from test pit TP2 did not detect any petroleum contamination in soil at a depth of 12 feet, and other nearby samples at nine (9) feet contained oil-range TPH at concentrations well below the MTCA Method A cleanup level.

The soil was excavated and hauled by Tri-Valley Construction to the DTG PCS Remediation Facility for treatment. During excavation work, some additional car parts were uncovered, including a rear axle, differentials, suspension, and various other metal body parts. Tri-Valley Construction hauled away all metal parts, including the former propane tank, for offsite recycling.

5.3 Excavation Confirmation Soil Sampling

Upon completion of excavating visually stained soils from test pit TP2, five (5) confirmation soil samples were collected from the perimeter of the excavation at depths of approximately seven (7) to eight (8) feet below land surface (BLS) – the depth at which the highest detected contamination was previously identified. Confirmation soil samples were collected by EPA Method 5035A, with an additional soil sample collected in new four (4) ounce soil jars. New Terra Core® samplers were used for each soil sample (i.e., no Terra Core® samplers were re-used), where the Terra Core® samplers were pushed into the soil to collect a specific volume of soil sample, and then transferred to laboratory-prepared 40 milliliter (ml) glass VOA vials with appropriate methanol preservative. The additional soil sample was collected using clean nitrile gloves, where the soil sample was placed within new four (4) ounce glass jars sealed with threaded, Teflon-lined caps. The jars were filled such that remaining headspace volume was eliminated.

The sample containers were uniquely labeled, logged on a chain-of-custody form, and placed on ice until delivery to Apex Laboratory in Tigard, Oregon. Each of the confirmation soil samples were analyzed for diesel- and oil-range TPH by Northwest Method NWTPH-Dx, as well as benzene, toluene, ethylbenzene, xylenes (BTEX) compounds, and naphthalene per EPA Method 8260B. The soil analytical results are summarized on **Table 1** and **Figure 5**. The complete laboratory report is provided in **Appendix B**.

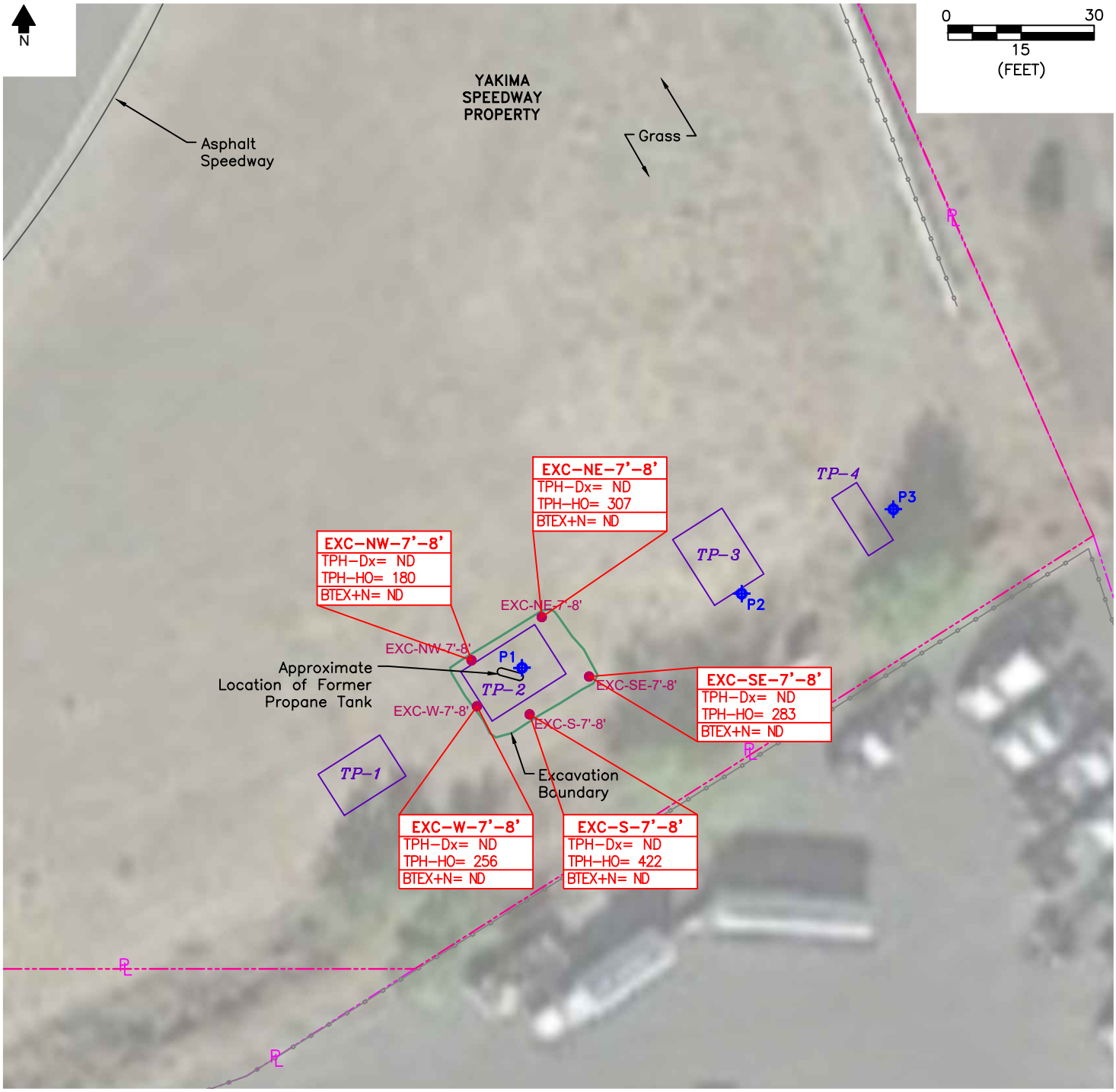
Table 1: Excavation Confirmation Soil Sample Results

SE Excavation, Yakima Speedway, 1600 Pacific Ave, Yakima, WA

UNITS: Concentrations in milligrams per kilogram (mg/Kg), parts per million (ppm).
ND: Not Detected above laboratory method-reporting limits (MRLs).
Shaded cells indicate analysis not performed
**MTCA A for Gasoline-Range TPH is 100 ppm with no benzene detected, and 30 ppm if benzene is detected.

CONTAMINANTS OF CONCERN	TEST PIT & PUSH-PROBE BORING SAMPLE IDs -- DEPTH					MTCA Method A Cleanup Levels (ppm)
	EXC - NW 7'-8'	EXC - W 7'-8'	EXC - S 7'-8'	EXC - SE 7'-8'	EXC - NE 7'-8'	
Diesel-Range TPH	ND (<25)	ND (<25)	ND (<127)	ND (<114)	ND (<117)	2,000
Heavy Oil-Range TPH	**180**	**256**	**422**	**283**	**307**	2,000
Benzene	ND (<0.0184)	ND (<0.0143)	ND (<0.0199)	ND (<0.0142)	ND (<0.0155)	0.03
Toluene	ND (<0.0919)	ND (<0.0715)	ND (<0.0994)	ND (<0.0711)	ND (<0.0851)	7.0
Ethylbenzene	ND (<0.0459)	ND (<0.0358)	ND (<0.0497)	ND (<0.0356)	ND (<0.0387)	6.0
Total Xylenes	ND (<0.138)	ND (<0.107)	ND (<0.149)	ND (<0.107)	ND (<0.0116)	9.0
Naphthalene	ND (<0.184)	ND (<0.143)	ND (<0.199)	ND (<0.142)	ND (<0.155)	5.0

Results Summary: Laboratory analysis by Method NWTPH-Dx detected oil-range TPH in the confirmation soil samples at concentrations ranging between 180 and 422 ppm, well below the 2,000 ppm MTCA Method A cleanup level for unrestricted land use. BTEX and naphthalene compounds were not detected above method reporting limits (MRLs) in any of the confirmation soil samples.



LEGEND

Exc-W-7'-8' — Soil Sample Location and Identification Number

EXC-NW-7'-8'
TPH-Dx= ND
TPH-HO= 180
BTEX+N= ND

Diesel-Range Total Petroleum Hydrocarbons per Northwest Method NWPTH-Dx (Diesel) & NWTPH-HO (Heavy Oil); BTEX+N per EPA Method 8260D;
All units in parts per million (ppm);
ND= Not Detected

P1 — Soil Boring Location and Identification Number (2/24/2021)

TP-2 — Test Pit Location and Identification Number

PL — Property Line

Fence Line

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TEST PIT & PUSH PROBE INVESTIGATION RESULTS
JULY, 15, 2021
YAKIMA SPEEDWAY
1600 PACIFIC AVENUE, YAKIMA, WASHINGTON

FIGURE #: 5

PROJECT CODE:	DATE:	SCALE:	DRAWN:	CHECKED:
PAP159PH1.20E	10/13/21	1"=30'	K.D.DESIGNS	STEVE OMO

6.0 PUSH-PROBE INVESTIGATION

6.1 Magnitude and Extent Investigation

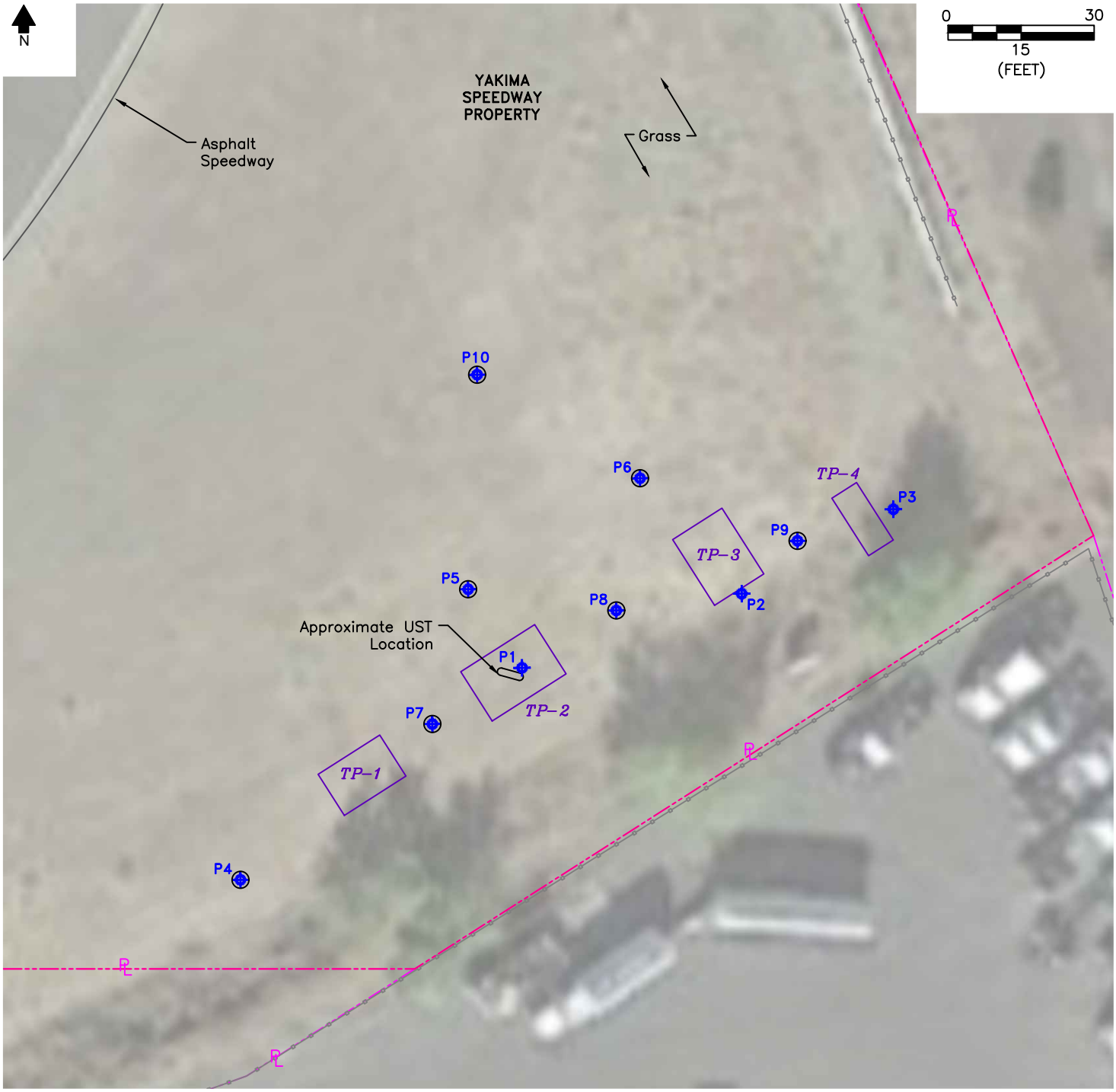
On September 28, 2021, an investigation was conducted on the southeast corner of the subject property, specifically tax lot 191320-43002, to confirm the horizontal and vertical extent of petroleum and lead contamination in soil above MTCA Method A cleanup levels. More specifically, the investigation was conducted: 1) to confirm that shallow soils within the three (3) to four (4) feet of the surface do not contain lead above the MTCA Method A cleanup level of 250 ppm, thus eliminating the direct contact exposure scenario for on-site employees; 2) to confirm that no additional petroleum contamination occurs above the MTCA Method A cleanup level (2,000 ppm). As part of this investigation, push-probe borings P4 through P10 were advanced to depths of five (5) to 10 feet BLS.

6.2 Push-Probe and Soil Sampling Methodology

As part of this expanded investigation, six (6) push-probe borings were advanced using a track-mounted GeoProbe® 7822 drill rig and GeoProbe® tooling and equipment. The push-probe boring locations are shown on **Figure 6** of the following page. Soil cores and samples were collected within stainless steel core barrels approximately 60 inches in length and 3.25 inches in diameter. The core barrels are hollow, and lined with plastic liners approximately 2.625 inches in diameter. Additional core barrels were added as the probe was advanced to depth. Subsurface soil samples were retrieved within the 60-inch long clear plastic liners or tubes inserted within the lead core barrel. Soils retrieved from the plastic liners were inspected for soil type, moisture content, and evidence of petroleum contamination using visual/olfactory methods. Observations, measurements, and other field notes were recorded on boring logs (**Appendix C**). Soil cores were inspected in the field for evidence of contamination, such as visual and olfactory evidence, and measurable organic vapors using an Organic Vapor Meter with Photoionization Detector (OVM-PID).

For determining the depth at which lead contamination occurs above MTCA Method A, discrete soil samples were selected from surface and near soils in the upper two (2) feet, from depths of four (4) to five (5) feet BLS, and in suspected contaminated soil at depths of six (6) to nine (9) feet BLS. To determine the magnitude of petroleum contamination, discrete soil samples were collected from soils showing visual signs of contamination or demolition debris – generally six (6) to nine (9) feet BLS.

All soil samples included soil collection by EPA Method 5035A, and an additional soil sample in new four (4) ounce soil jars. New Terra Core® samplers were used for each soil sample (i.e., no Terra Core® samplers were re-used), where the Terra Core® samplers were pushed into the soil to collect a specific volume of soil sample, and then transferred to laboratory-prepared 40 milliliter (ml) glass VOA vials with appropriate methanol preservative.



LEGEND

- P5 — Soil Boring Location and Identification Number (9/28/2021)
- P1 — Soil Boring Location and Identification Number (2/24/2021)
- TP–2 — Test Pit Location and Identification Number
- PL — Property Line
- Fence Line

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SITE PLAN SHOWING ADDITIONAL SOIL BORINGS YAKIMA SPEEDWAY

1600 PACIFIC AVENUE, YAKIMA, WASHINGTON

PROJECT CODE:	DATE:	SCALE:	DRAWN:	CHECKED:
PAP159PH1.20E	10/13/21	1"=30'	K.D.DESIGNS	STEVE OMO

FIGURE #: 6

At each sample location / depth, the additional soil sample was collected using clean nitrile gloves, where the soil sample was placed within new four (4) ounce glass jars sealed with threaded, Teflon-lined caps. The jars were filled such that remaining headspace volume was eliminated. The sample containers were uniquely labeled, logged on a chain-of-custody form, and placed on ice until delivery to Apex Laboratory in Tigard, Oregon, for analysis of diesel- and oil-range TPH per Northwest Method NWPTH-Dx, and lead per EPA Method 6020.

6.3 Soil Sampling Analytical Results

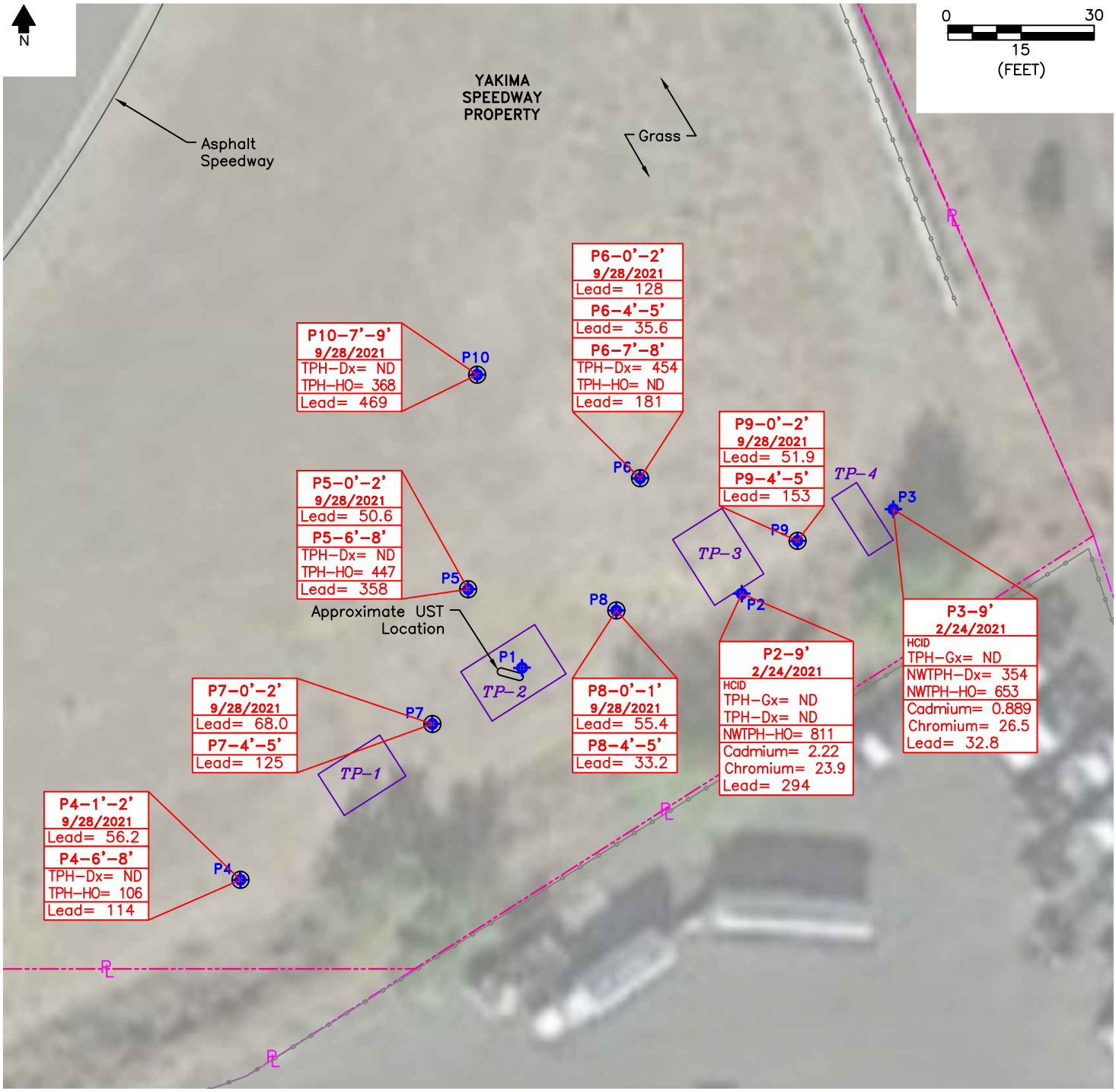
The soil analytical results are summarized on **Table 2** and **Figure 7**. The complete laboratory report is provided in **Appendix D**.

Table 2: Soil Analytical Results - Sept. 28, 2021

Southeast Parcel, Yakima Speedway, 1600 Pacific Ave, Yakima, WA

UNITS: Concentrations in milligrams per kilogram (mg/Kg), parts per million (ppm).
ND: Not Detected above laboratory method-reporting limits (MRLs).
Shaded cells indicate analysis not performed
**MTCA A for Gasoline-Range TPH is 100 ppm with no benzene detected, and 30 ppm if benzene is detected.

PUSH-PROBE BORING SAMPLE IDs -- DEPTH	CONTAMINANTS OF CONCERN		
	Diesel-Range TPH	Heavy Oil-Range TPH	Lead
P4 - 1'-2'			56.2
P4 - 6'-8'	ND (<25)	**106**	114
P5 - 0'-2'			50.6
P5 - 6'-8'	ND (<25)	**447**	**358**
P6 - 0'-2'			128
P6 - 4'-5'			35.6
P6 - 7'-8'	**454**	ND (<50)	181
P7 - 0'-2'			68
P7 - 4'-5'			125
P8 - 0'-1'			55.4
P8 - 4'-5'			33.2
P9 0'-2'			51.9
P9 - 4'-5'			153
P10 - 7'-9'	**ND (<25)**	**368**	**469**
MTCA Method A Cleanup Levels (ppm)	2,000	2,000	**250**



LEGEND

P6–7'–8'
TPH–Dx= 454
TPH–HO= ND
Lead= 181

Diesel–Range Total Petroleum Hydrocarbons NWTPH–HCID, NWTPH–Dx (Diesel), and NWTPH–HO (Heavy Oil); Metals per EPA Method 6020B;
All units in parts per million (ppm);
ND= Not Detected

P5 — Soil Boring Location and Identification Number (9/28/2021)

P1 — Soil Boring Location and Identification Number (2/24/2021)

TP–2 — Test Pit Location and Identification Number

PL — Property Line

Fence Line

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RESIDUAL ANALYTICAL RESULTS
YAKIMA SPEEDWAY
1600 PACIFIC AVENUE, YAKIMA, WASHINGTON

FIGURE #: 7

PROJECT CODE:	DATE:	SCALE:	DRAWN:	CHECKED:
PAP159PH1.20E	10/13/21	1"=30'	K.D.DESIGNS	STEVE OMO

Lead Results: Total lead was detected in all 14 soil samples at concentrations ranging from 33.2 ppm to 469 ppm. Two (2) soil samples, at depths of six (6) to nine (9) feet BLS, were found to contain lead at concentrations above the 250 ppm MTCA Method A cleanup level. Laboratory analysis of the soil samples did not detect any lead concentrations above the 250 ppm MTCA Method A cleanup level in the nine (9) soils collected within five (5) feet of the land surface. These results eliminate potential lead exposure by onsite workers in the future. It is important to note that this portion of tax lot 191320-43002, and the *subject property* will be covered with an asphalt parking lot and driveway, per the redevelopment plans proposed by Papé Kenworth. Based on these findings, lead contamination in soil does not appear to pose a human health or environmental concern at this portion of the *subject property*.

TPH Results: Laboratory analysis of select soil samples for diesel- and oil-range TPH by Method NWTPH-Dx detected these contaminants well below the MTCA Method A cleanup level for unrestricted land use. As such, no TPH results in soil for this part of tax lot 191320-43002, and the *subject property* remain above MTCA Method A cleanup levels. Based on these findings, petroleum contamination in soil does not appear to pose a human health or environmental concern at this portion of the *subject property*.

Groundwater: As previously reported, groundwater samples were collected from push-probe borings P1, P2, and P3. Laboratory analysis did not detect gasoline-, diesel-, or oil-range TPH above method reporting limits (MRLs) in groundwater from these borings. Of the 66 VOCs analyzed, only toluene was detected in groundwater from push-probe P1. No VOCs were detected in groundwater from probes P2 and P3. Dissolved lead was detected in groundwater from probe P2, but at levels below MTCA A cleanup levels. As such, groundwater beneath this portion of the *subject property* does not appear to pose a human health or environmental concern.

7.0 SUMMARY

The following summarizes the history and proposed future of the subject property, excavation activities to remove contaminated soil, and the results of phased investigations conducted:

Site Description

- The *subject property* is identified as the southern 10.4 acres of Yakima County parcels 191320-34010,191320-34011, 191320-43002, and 191329-21401, identified as Yakima Speedway, located at 1600 Pacific Avenue, in Yakima, Washington. The *subject property* is developed with the Yakima Speedway racetrack, with an infield pit area, grandstands, and gravel entrance and parking lot. Beyond the racetrack to the north, east, and south are areas of bare ground, composed predominantly of gravel.

- **Site History and Future Use:** Based on historical aerials, the *subject property* was developed with the current-day Yakima Speedway in the early 1950's. Papé is in the process of developing plans for demolition of the Speedway and grandstands, and redeveloping the property with a new Papé Kenworth facility.

Area of Concern and Purpose of Expanded Investigation

- Recently, a concerned citizen reported to Papé that car bodies and miscellaneous debris were potentially buried to raise the grade of the southeastern and possibly southern portions of the *subject property.* In response, GPRS conducted an Electromagnetic Induction (EMI) survey. As part of the EMI survey, subsurface anomalies were identified. GPRS identified and marked in paint on the ground, four (4) areas of concern on the southeast portion of the *subject property*. Each of the four (4) areas painted on the ground ranged in size from 10 feet by 15 feet, to as large as 15 feet by 18 feet in size.

February 2021 Investigations

- On February 24th, 2021, an investigation was conducted to evaluate current subsurface soil and groundwater conditions beneath the spray-painted areas of concern identified by GPRS beneath the southeast corner of the *subject property.* Test pits were excavated at each of the four (4) painted areas of concern; and three (3) borings were advanced to sample both soil and groundwater beneath and adjacent to three (3) of the test pits.

- **Test Pit Investigation:** Four (4) test pits were excavated at each of the four (4) areas of concern identified by GPRS. The size and depth of the test pits ranged from six (6) feet by 14 feet, to as large as 12 feet by 18 feet, and with depths ranging from approximately six (6) to 10 feet. Materials encountered within this test pits included a tree stump and large limbs, scrap metal, metal fence posts, bricks, pieces of concrete rubble, glass, wood debris, and an old propane tank two (2) feet in diameter and 10 feet long (in test pit TP2).

- **Soil Analytical Results:** Grey stained soils noted beneath the metal tank were sampled and found to contain oil-range TPH at 2,200 ppm (just above MTCA A cleanup levels). A soil sample from test pit TP1 contained low level oil-range TPH below MTCA A cleanup levels. Low-level oil-range TPH was also detected in soil samples collected at the soil/water interface from probes P2 and P3 – both below MTCA A cleanup levels. Elevated lead levels, above MTCA A cleanup levels, were identified in soil samples collected from test pits TP1 and TP2, and push-probe P2; although not at levels considered hazardous waste.

- **Groundwater:** Groundwater samples collected from each of the three (3) push-probe borings were analyzed for petroleum identification, full-list (66) VOCs, and cadmium, chromium, and lead. Laboratory analysis did not detect gasoline-, diesel-, or oil-range TPH above method reporting limits (MRLs) in groundwater from push-probe borings. Of the 66 VOCs analyzed, only toluene was detected in groundwater from push-probe P1. No VOCs were detected in groundwater from probes P2 and P3. Dissolved lead was detected in groundwater from probe P2, but at levels below MTCA A cleanup levels.

Excavation and Off-Site Treatment of Contaminated Soil

- On July 15, 2021, approximately 40.88 tons of grey stained soils were excavated from test pit TP2. The depth of most heavily stained soils were at six (6) to eight (8) feet below land surface. The excavation measured approximately 15 feet north-south by 25 feet east-west, and 10 feet deep. The soil was excavated and hauled by Tri-Valley Construction to the DTG PCS Remediation Facility for treatment. During excavation work, some additional car parts were uncovered, including a rear axle, differentials, suspension, and various other metal body parts. Tri-Valley Construction hauled away all metal parts, including the former propane tank, for offsite recycling.

- **Confirmation Soil Sampling:** Upon completion of excavating visually stained soils from test pit TP2, five (5) confirmation soil samples were collected from the perimeter of the excavation at depths of approximately seven (7) to eight (8) feet below land surface (BLS) – the depth at which the highest detected contamination was previously identified. Laboratory analysis of the confirmation soil samples detected oil-range TPH at concentrations ranging between 180 and 422 ppm, well below the 2,000 ppm MTCA Method A cleanup level for unrestricted land use. BTEX and naphthalene compounds were not detected above method reporting limits (MRLs) in any of the confirmation soil samples.

September 2021 Investigation

- On September 28, 2021, an investigation was conducted on the southeast corner of the *subject property*, specifically tax lot 191320-43002, to confirm the horizontal and vertical extent of petroleum and lead contamination in soil above MTCA Method A cleanup levels.

- **Lead Analytical Results:** Laboratory analysis of the soil samples did not detect any lead concentrations above the 250 ppm MTCA Method A cleanup level in the nine (9) soils collected within five (5) feet of the land surface. These results eliminate potential lead exposure by onsite workers in the future. Two (2) of the four (4) soil samples at depths between six (6) and nine (9) feet BLS detected lead above the MTCA Method A cleanup level.

- **TPH Results:** Laboratory analysis of select soil samples for diesel- and oil-range TPH by Method NWTPH-Dx detected these contaminants well below the MTCA Method A cleanup level for unrestricted land use.

- **Groundwater:** Laboratory analysis of groundwater did not detect TPH above method reporting limits (MRLs) in groundwater from three (3) borings at the southeast tax lot. Of the 66 VOCs analyzed, only toluene was detected in groundwater from push-probe P1. No VOCs were detected in groundwater from probes P2 and P3. Dissolved lead was detected in groundwater from probe P2, but at levels below MTCA A cleanup levels.

8.0 RECOMMENDATIONS

Based on the findings of the excavation corrective actions, subsequent confirmation soil sample results, and phased investigations conducted at the southeast portion of the *subject property*, BB&A provides the following conclusions and opinions:

- The former Yakima Speedway property is proposed to be redeveloped as a Papé Kenworth facility. Low-level petroleum (below MTCA Method A cleanup levels), and lead concentrations above the 250 ppm MTCA Method A cleanup level remain at depths of six (6) to nine (9) feet BLS beneath the southern portion of tax lot 191320-43002 of the *subject property.* This portion of the *subject property* is to be covered with an asphalt parking lot and driveway, per the redevelopment plans proposed by Papé Kenworth.

- Based on soil analytical results from the phased investigations, proposed capping of this area with an asphalt parking lot and driveway, and depth of residual lead contamination, lead in soil does not appear to pose a human health or environmental concern at this portion of the *subject property*.

- All remaining residual TPH results for soil samples collected from tax lot 191320-43002 of the *subject property* are below MTCA Method A cleanup levels. Based on these findings, petroleum contamination in soil does not appear to pose a human health or environmental concern at this portion of the *subject property*.

- Based on groundwater analytical results, groundwater beneath the southeastern portion of the *subject property* does not appear to pose a human health or environmental concern.

- Based on the findings of excavation and investigation work conducted at the southeast portion of the *subject property*, and proposed redevelopment, it is requested that a no further action (NFA) determination be issued for the site at tax lot 191320-43002.

9.0 LIMITATIONS

The professional services of BB&A Environmental have been rendered using the degree of care and skill ordinarily exercised under similar circumstances by reputable environmental consulting firms practicing in this or similar locations. No other warranty expressed or implied is made.

Soil and groundwater samples were analyzed to identify and delineate surface and subsurface impact in areas most likely to have been impacted by releases and spills of petroleum products. The results of their analyses only indicate the presence or absence of petroleum hydrocarbons and hazardous constituents in those discrete sample locations. Analytical data from the laboratory samples should only be considered as indicators of site conditions and not a guarantee of the absence of petroleum hydrocarbons and hazardous constituents in areas not sampled.

The conclusions presented in this report are based only on the observations made during field investigation and data provided by others. The accuracy of these findings is based upon the accuracy of data and information provided by others. The findings of this assessment should not be considered as scientific certainties, but rather as professional opinion based upon selected and limited data.

If you have any questions concerning the information contained in this report, please do not hesitate to contact us.

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3169
Licensed Geologist
Stephen M. Omo

Stephen M. Omo, RG
Project Manager

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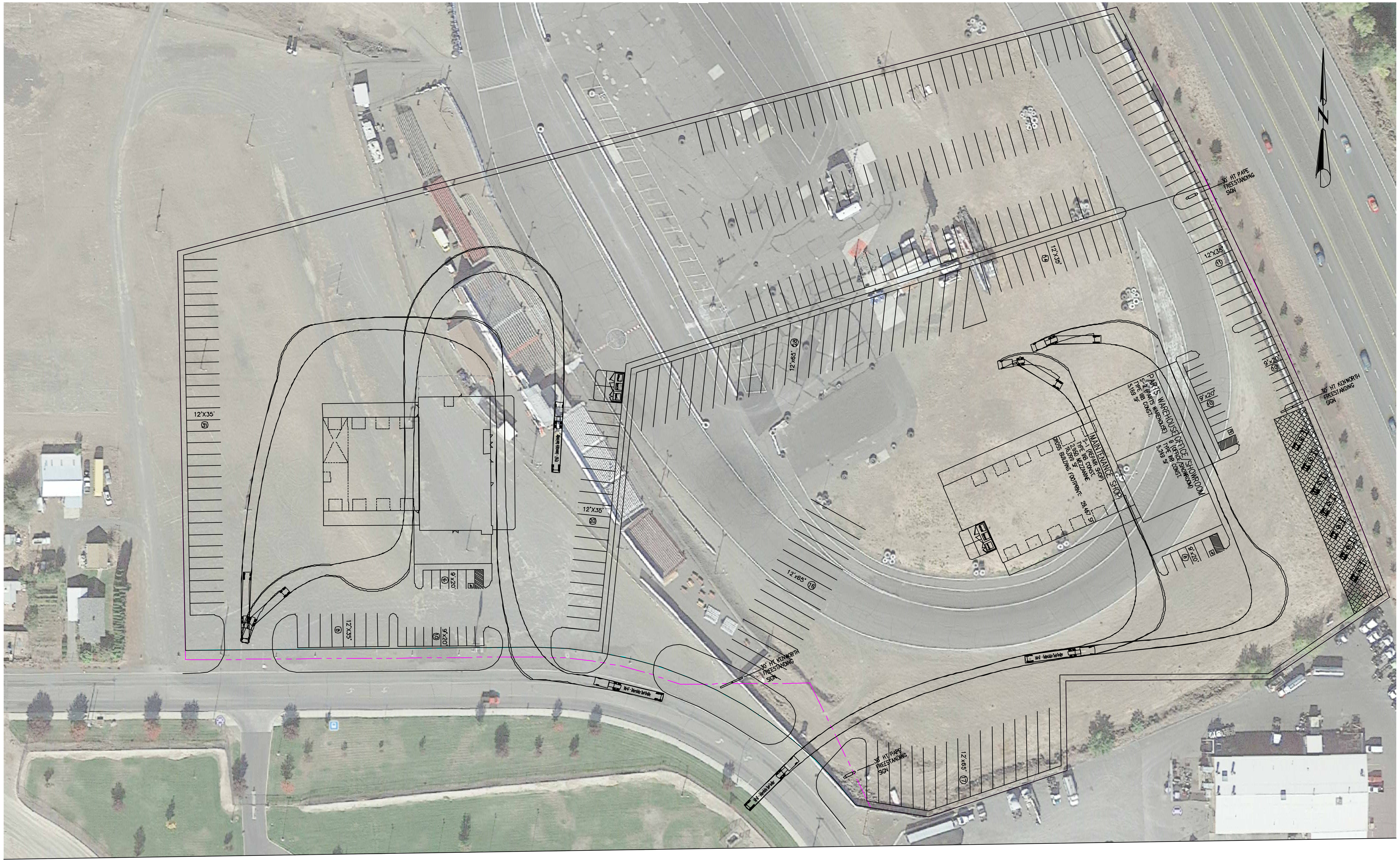
Hydrogeologist
1082
Licensed Geologist
Randall Jon Boese

Randall J. Boese, RG/LHG
Principal

APPENDIX A

Proposed Redevelopment Plan – New Papé Kenworth Facility



ORIGINAL SHEET SIZE: 24" X 36"

WEDEN ENGINEERING, LLC
Development, Planning, Engineering, Permitting

SCALE: 1" = 30'
CAD FILE:
DATE: 05/12/2021
DRAWN BY: KLS
REVIEWED BY: EJW

SHEET
1 of 1

THE PAPÉ GROUP, INC.
YAKIMA, WA

SITE PLAN

PAPÉ

evaden 05/17/21 8:28am – P:\2104-01 Pape Yakima\7 CAD\XREF\2104-01 BaseMap.dwg

APPENDIX B

Laboratory Report and Chain-of-Custody Documents

Excavation Confirmation Soil Samples 7/15/21

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Tuesday, July 27, 2021

Steve Omo
BB&A Environmental - Wilsonville
25195 SW Parkway Ave, Suite #207
Wilsonville, OR 97070

RE: A1G0470 - Yakima Speedway - PAP119PH2.21E

Thank you for using Apex Laboratories. We greatly appreciate your business and strive to provide the highest quality services to the environmental industry.

Enclosed are the results of analyses for work order A1G0470, which was received by the laboratory on 7/16/2021 at 10:15:00AM.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: DAuvil@apex-labs.com, or by phone at 503-718-2323.

Please note: All samples will be disposed of within 30 days of sample receipt, unless prior arrangements have been made.

Cooler Receipt Information

(See Cooler Receipt Form for details)

Cooler #1	5.5 degC

This Final Report is the official version of the data results for this sample submission, unless superseded by a subsequent, labeled amended report.
All other deliverables derived from this data, including Electronic Data Deliverables (EDDs), CLP-like forms, client requested summary sheets, and all other products are considered secondary to this report.

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Darrell Auvil, Client Services Manager

Apex Laboratories, LLC
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ANALYTICAL REPORT

BB&A Environmental - Wilsonville	Project: **Yakima Speedway**	
25195 SW Parkway Ave, Suite #207	Project Number: **PAP119PH2.21E**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Steve Omo**	**A1G0470 - 07 27 21 1511**

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PAP119EXC-NW-7'-8'	A1G0470-01	Soil	07/15/21 11:40	07/16/21 10:15
PAP119EXC-W-7'-8'	A1G0470-02	Soil	07/15/21 11:50	07/16/21 10:15
PAP119EXC-S-7'-8'	A1G0470-03	Soil	07/15/21 12:00	07/16/21 10:15
PAP119EXC-S-SE-7'-8'	A1G0470-04	Soil	07/15/21 13:20	07/16/21 10:15
PAP119EXC-NE-7'-8'	A1G0470-05	Soil	07/15/21 13:30	07/16/21 10:15

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ANALYTICAL REPORT

BB&A Environmental - Wilsonville	Project: **Yakima Speedway**	
25195 SW Parkway Ave, Suite #207	Project Number: **PAP119PH2.21E**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Steve Omo**	**A1G0470 - 07 27 21 1511**

ANALYTICAL SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PAP119EXC-NW-7'-8' (A1G0470-01RE1)				**Matrix: Soil**		**Batch: 1070667**		
Diesel	ND	---	25.0	mg/kg dry	1	07/22/21 08:45	NWTPH-Dx	
Oil	**180**	---	50.0	mg/kg dry	1	07/22/21 08:45	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 103 %*		*Limits: 50-150 %*	*1*	*07/22/21 08:45*	*NWTPH-Dx*	*Q-41*
PAP119EXC-W-7'-8' (A1G0470-02RE1)				**Matrix: Soil**		**Batch: 1070667**		
Diesel	ND	---	25.0	mg/kg dry	1	07/22/21 09:25	NWTPH-Dx	
Oil	**256**	---	50.0	mg/kg dry	1	07/22/21 09:25	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 108 %*		*Limits: 50-150 %*	*1*	*07/22/21 09:25*	*NWTPH-Dx*	*Q-41*
PAP119EXC-S-7'-8' (A1G0470-03RE1)				**Matrix: Soil**		**Batch: 1070667**		
Diesel	ND	---	127	mg/kg dry	5	07/22/21 10:06	NWTPH-Dx	
Oil	**422**	---	255	mg/kg dry	5	07/22/21 10:06	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 98 %*		*Limits: 50-150 %*	*5*	*07/22/21 10:06*	*NWTPH-Dx*	*S-05*
PAP119EXC-S-SE-7'-8' (A1G0470-04RE1)				**Matrix: Soil**		**Batch: 1070667**		
Diesel	ND	---	114	mg/kg dry	5	07/22/21 10:27	NWTPH-Dx	
Oil	**283**	---	228	mg/kg dry	5	07/22/21 10:27	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 108 %*		*Limits: 50-150 %*	*5*	*07/22/21 10:27*	*NWTPH-Dx*	*S-05*
PAP119EXC-NE-7'-8' (A1G0470-05RE1)				**Matrix: Soil**		**Batch: 1070667**		
Diesel	ND	---	117	mg/kg dry	5	07/22/21 12:09	NWTPH-Dx	
Oil	**307**	---	233	mg/kg dry	5	07/22/21 12:09	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 104 %*		*Limits: 50-150 %*	*5*	*07/22/21 12:09*	*NWTPH-Dx*	*S-05*

Apex Laboratories

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ANALYTICAL REPORT

BB&A Environmental - Wilsonville	Project: **Yakima Speedway**	
25195 SW Parkway Ave, Suite #207	Project Number: **PAP119PH2.21E**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Steve Omo**	**A1G0470 - 07 27 21 1511**

ANALYTICAL SAMPLE RESULTS

BTEX+N Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PAP119EXC-NW-7'-8' (A1G0470-01RE1)				**Matrix: Soil**		**Batch: 1070707**		
Benzene	ND	---	18.4	ug/kg dry	50	07/22/21 12:05	5035A/8260D	
Toluene	ND	---	91.9	ug/kg dry	50	07/22/21 12:05	5035A/8260D	
Ethylbenzene	ND	---	45.9	ug/kg dry	50	07/22/21 12:05	5035A/8260D	
Xylenes, total	ND	---	138	ug/kg dry	50	07/22/21 12:05	5035A/8260D	
Naphthalene	ND	---	184	ug/kg dry	50	07/22/21 12:05	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*104 %*	*Limits: 80-120 %*	*1*	*07/22/21 12:05*	*5035A/8260D*	
Toluene-d8 (Surr)			*103 %*	*80-120 %*	*1*	*07/22/21 12:05*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*96 %*	*79-120 %*	*1*	*07/22/21 12:05*	*5035A/8260D*	
PAP119EXC-W-7'-8' (A1G0470-02)				**Matrix: Soil**		**Batch: 1070660**		
Benzene	ND	---	14.3	ug/kg dry	50	07/21/21 18:12	5035A/8260D	
Toluene	ND	---	71.5	ug/kg dry	50	07/21/21 18:12	5035A/8260D	
Ethylbenzene	ND	---	35.8	ug/kg dry	50	07/21/21 18:12	5035A/8260D	
Xylenes, total	ND	---	107	ug/kg dry	50	07/21/21 18:12	5035A/8260D	
Naphthalene	ND	---	143	ug/kg dry	50	07/21/21 18:12	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*104 %*	*Limits: 80-120 %*	*1*	*07/21/21 18:12*	*5035A/8260D*	
Toluene-d8 (Surr)			*105 %*	*80-120 %*	*1*	*07/21/21 18:12*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*97 %*	*79-120 %*	*1*	*07/21/21 18:12*	*5035A/8260D*	
PAP119EXC-S-7'-8' (A1G0470-03)				**Matrix: Soil**		**Batch: 1070660**		
Benzene	ND	---	19.9	ug/kg dry	50	07/21/21 19:05	5035A/8260D	
Toluene	ND	---	99.4	ug/kg dry	50	07/21/21 19:05	5035A/8260D	
Ethylbenzene	ND	---	49.7	ug/kg dry	50	07/21/21 19:05	5035A/8260D	
Xylenes, total	ND	---	149	ug/kg dry	50	07/21/21 19:05	5035A/8260D	
Naphthalene	ND	---	199	ug/kg dry	50	07/21/21 19:05	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*105 %*	*Limits: 80-120 %*	*1*	*07/21/21 19:05*	*5035A/8260D*	
Toluene-d8 (Surr)			*104 %*	*80-120 %*	*1*	*07/21/21 19:05*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*97 %*	*79-120 %*	*1*	*07/21/21 19:05*	*5035A/8260D*	
PAP119EXC-S-SE-7'-8' (A1G0470-04)				**Matrix: Soil**		**Batch: 1070660**		
Benzene	ND	---	14.2	ug/kg dry	50	07/21/21 19:32	5035A/8260D	
Toluene	ND	---	71.1	ug/kg dry	50	07/21/21 19:32	5035A/8260D	
Ethylbenzene	ND	---	35.6	ug/kg dry	50	07/21/21 19:32	5035A/8260D	
Xylenes, total	ND	---	107	ug/kg dry	50	07/21/21 19:32	5035A/8260D	
Naphthalene	ND	---	142	ug/kg dry	50	07/21/21 19:32	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*103 %*	*Limits: 80-120 %*	*1*	*07/21/21 19:32*	*5035A/8260D*	
Toluene-d8 (Surr)			*103 %*	*80-120 %*	*1*	*07/21/21 19:32*	*5035A/8260D*	

Apex Laboratories

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Darrell Auvil, Client Services Manager

Apex Laboratories, LLC
6700 S.W. Sandburg Street
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503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

BB&A Environmental - Wilsonville	Project: **Yakima Speedway**	
25195 SW Parkway Ave, Suite #207	Project Number: **PAP119PH2.21E**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Steve Omo**	**A1G0470 - 07 27 21 1511**

ANALYTICAL SAMPLE RESULTS

BTEX+N Compounds by EPA 8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PAP119EXC-S-SE-7'-8' (A1G0470-04)				**Matrix: Soil**		**Batch: 1070660**		
Surrogate: 4-Bromofluorobenzene (Surr)		*Recovery:*	*98 %*	*Limits: 79-120 %*	*1*	*07/21/21 19:32*	*5035A/8260D*	
PAP119EXC-NE-7'-8' (A1G0470-05RE1)				**Matrix: Soil**		**Batch: 1070743**		
Benzene	ND	---	15.5	ug/kg dry	50	07/23/21 09:12	5035A/8260D	
Toluene	ND	---	85.1	ug/kg dry	50	07/23/21 09:12	5035A/8260D	R-06
Ethylbenzene	ND	---	38.7	ug/kg dry	50	07/23/21 09:12	5035A/8260D	
Xylenes, total	ND	---	116	ug/kg dry	50	07/23/21 09:12	5035A/8260D	
Naphthalene	ND	---	155	ug/kg dry	50	07/23/21 09:12	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*103 %*	*Limits: 80-120 %*	*1*	*07/23/21 09:12*	*5035A/8260D*	
Toluene-d8 (Surr)			*104 %*	*80-120 %*	*1*	*07/23/21 09:12*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*96 %*	*79-120 %*	*1*	*07/23/21 09:12*	*5035A/8260D*	

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ORELAP ID: **OR100062**

ANALYTICAL REPORT

BB&A Environmental - Wilsonville	Project: **Yakima Speedway**	
25195 SW Parkway Ave, Suite #207	Project Number: **PAP119PH2.21E**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Steve Omo**	**A1G0470 - 07 27 21 1511**

ANALYTICAL SAMPLE RESULTS

Percent Dry Weight

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PAP119EXC-NW-7'-8' (A1G0470-01)				**Matrix: Soil**		**Batch: 1070557**		
% Solids	**81.9**	---	1.00	%	1	07/20/21 07:51	EPA 8000D	
PAP119EXC-W-7'-8' (A1G0470-02)				**Matrix: Soil**		**Batch: 1070557**		
% Solids	**91.0**	---	1.00	%	1	07/20/21 07:51	EPA 8000D	
PAP119EXC-S-7'-8' (A1G0470-03)				**Matrix: Soil**		**Batch: 1070557**		
% Solids	**77.5**	---	1.00	%	1	07/20/21 07:51	EPA 8000D	
PAP119EXC-S-SE-7'-8' (A1G0470-04)				**Matrix: Soil**		**Batch: 1070557**		
% Solids	**86.5**	---	1.00	%	1	07/20/21 07:51	EPA 8000D	
PAP119EXC-NE-7'-8' (A1G0470-05)				**Matrix: Soil**		**Batch: 1070557**		
% Solids	**81.8**	---	1.00	%	1	07/20/21 07:51	EPA 8000D	

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QUALITY CONTROL (QC) SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1070667 - EPA 3546 (Fuels)							Soil					
Blank (1070667-BLK2)		Prepared: 07/21/21 10:15		Analyzed: 07/22/21 11:29								
NWTPH-Dx												
Diesel	ND	---	18.2	mg/kg wet	1	---	---	---	---	---	---	
Oil	ND	---	36.4	mg/kg wet	1	---	---	---	---	---	---	
Mineral Oil	ND	---	36.4	mg/kg wet	1	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)		*Recovery: 101 %*		*Limits: 50-150 %*			*Dilution: 1x*					Q-41
LCS (1070667-BS2)		Prepared: 07/21/21 10:15		Analyzed: 07/22/21 11:50								
NWTPH-Dx												
Diesel	126	---	20.0	mg/kg wet	1	125	---	101	38 - 132%	---	---	
Surr: o-Terphenyl (Surr)		*Recovery: 106 %*		*Limits: 50-150 %*			*Dilution: 1x*					Q-41

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QUALITY CONTROL (QC) SAMPLE RESULTS

BTEX+N Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1070660 - EPA 5035A												**Soil**
Blank (1070660-BLK1)		Prepared: 07/21/21 09:00 Analyzed: 07/21/21 11:27										
5035A/8260D												
Benzene	ND	---	6.67	ug/kg wet	50	---	---	---	---	---	---	
Toluene	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
Ethylbenzene	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
Xylenes, total	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Naphthalene	ND	---	66.7	ug/kg wet	50	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery: 103 %*		*Limits: 80-120 %*			*Dilution: 1x*					
Toluene-d8 (Surr)		*106 %*		*80-120 %*			*"*					
4-Bromofluorobenzene (Surr)		*96 %*		*79-120 %*			*"*					
LCS (1070660-BS1)		Prepared: 07/21/21 09:00 Analyzed: 07/21/21 10:33										
5035A/8260D												
Benzene	1070	---	10.0	ug/kg wet	50	1000	---	107	80 - 120%	---	---	
Toluene	1020	---	50.0	ug/kg wet	50	1000	---	102	80 - 120%	---	---	
Ethylbenzene	1050	---	25.0	ug/kg wet	50	1000	---	105	80 - 120%	---	---	
Xylenes, total	3070	---	75.0	ug/kg wet	50	3000	---	102	80 - 120%	---	---	
Naphthalene	918	---	100	ug/kg wet	50	1000	---	92	80 - 120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery: 104 %*		*Limits: 80-120 %*			*Dilution: 1x*					
Toluene-d8 (Surr)		*105 %*		*80-120 %*			*"*					
4-Bromofluorobenzene (Surr)		*95 %*		*79-120 %*			*"*					
Duplicate (1070660-DUP1)		Prepared: 07/21/21 09:00 Analyzed: 07/21/21 17:45										
QC Source Sample: PAP119EXC-NW-7'-8' (A1G0470-01)												
5035A/8260D												
Benzene	ND	---	17.2	ug/kg dry	50	---	ND	---	---	---	30%	
Toluene	ND	---	86.1	ug/kg dry	50	---	ND	---	---	---	30%	
Ethylbenzene	ND	---	43.0	ug/kg dry	50	---	ND	---	---	---	30%	
Xylenes, total	ND	---	129	ug/kg dry	50	---	ND	---	---	---	30%	
Naphthalene	ND	---	172	ug/kg dry	50	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery: 104 %*		*Limits: 80-120 %*			*Dilution: 1x*					
Toluene-d8 (Surr)		*104 %*		*80-120 %*			*"*					
4-Bromofluorobenzene (Surr)		*98 %*		*79-120 %*			*"*					

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25195 SW Parkway Ave, Suite #207	Project Number: **PAP119PH2.21E**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Steve Omo**	**A1G0470 - 07 27 21 1511**

QUALITY CONTROL (QC) SAMPLE RESULTS

BTEX+N Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1070660 - EPA 5035A							**Soil**					
Duplicate (1070660-DUP2)		Prepared: 07/21/21 09:00	Analyzed: 07/21/21 18:38									
QC Source Sample: PAP119EXC-W-7'-8' (A1G0470-02)												
5035A/8260D												
Benzene	ND	---	13.5	ug/kg dry	50	---	ND	---	---	---	30%	
Toluene	ND	---	67.7	ug/kg dry	50	---	ND	---	---	---	30%	
Ethylbenzene	ND	---	33.9	ug/kg dry	50	---	ND	---	---	---	30%	
Xylenes, total	ND	---	102	ug/kg dry	50	---	ND	---	---	---	30%	
Naphthalene	ND	---	135	ug/kg dry	50	---	ND	---	---	---	30%	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery: 104 %*	*Limits: 80-120 %*		*Dilution: 1x*							
Toluene-d8 (Surr)		*103 %*	*80-120 %*		*"*							
4-Bromofluorobenzene (Surr)		*96 %*	*79-120 %*		*"*							
Matrix Spike (1070660-MS1)		Prepared: 07/21/21 09:00	Analyzed: 07/21/21 22:41									**T-02**
QC Source Sample: PAP119EXC-NE-7'-8' (A1G0470-05)												
5035A/8260D												
Benzene	1680	---	15.5	ug/kg dry	50	1550	ND	109	77 - 121%	---	---	
Toluene	1620	---	77.4	ug/kg dry	50	1550	85.4	99	77 - 121%	---	---	
Ethylbenzene	1630	---	38.7	ug/kg dry	50	1550	25.0	104	76 - 122%	---	---	
Xylenes, total	4860	---	116	ug/kg dry	50	4640	140	102	78 - 124%	---	---	
Naphthalene	1520	---	155	ug/kg dry	50	1550	ND	98	62 - 129%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery: 104 %*	*Limits: 80-120 %*		*Dilution: 1x*							
Toluene-d8 (Surr)		*102 %*	*80-120 %*		*"*							
4-Bromofluorobenzene (Surr)		*98 %*	*79-120 %*		*"*							

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ANALYTICAL REPORT

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Wilsonville, OR 97070	Project Manager: **Steve Omo**	**A1G0470 - 07 27 21 1511**

QUALITY CONTROL (QC) SAMPLE RESULTS

BTEX+N Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1070707 - EPA 5035A							**Soil**					
Blank (1070707-BLK1)		Prepared: 07/22/21 09:00		Analyzed: 07/22/21 11:38								
5035A/8260D												
Benzene	ND	---	6.67	ug/kg wet	50	---	---	---	---	---	---	
Toluene	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
Ethylbenzene	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
Xylenes, total	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Naphthalene	ND	---	66.7	ug/kg wet	50	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery: 104 %*		*Limits: 80-120 %*			*Dilution: 1x*					
Toluene-d8 (Surr)		*105 %*		*80-120 %*			*"*					
4-Bromofluorobenzene (Surr)		*97 %*		*79-120 %*			*"*					
LCS (1070707-BS1)		Prepared: 07/22/21 09:00		Analyzed: 07/22/21 10:44								
5035A/8260D												
Benzene	1060	---	10.0	ug/kg wet	50	1000	---	106	80 - 120%	---	---	
Toluene	1020	---	50.0	ug/kg wet	50	1000	---	102	80 - 120%	---	---	
Ethylbenzene	1040	---	25.0	ug/kg wet	50	1000	---	104	80 - 120%	---	---	
Xylenes, total	3030	---	75.0	ug/kg wet	50	3000	---	101	80 - 120%	---	---	
Naphthalene	953	---	100	ug/kg wet	50	1000	---	95	80 - 120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery: 104 %*		*Limits: 80-120 %*			*Dilution: 1x*					
Toluene-d8 (Surr)		*104 %*		*80-120 %*			*"*					
4-Bromofluorobenzene (Surr)		*98 %*		*79-120 %*			*"*					

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ANALYTICAL REPORT

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Wilsonville, OR 97070	Project Manager: **Steve Omo**	**A1G0470 - 07 27 21 1511**

QUALITY CONTROL (QC) SAMPLE RESULTS

BTEX+N Compounds by EPA 8260D

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1070743 - EPA 5035A							**Soil**					
Blank (1070743-BLK1)		Prepared: 07/22/21 16:02 Analyzed: 07/23/21 01:07										
5035A/8260D												
Benzene	ND	---	6.67	ug/kg wet	50	---	---	---	---	---	---	
Toluene	ND	---	33.3	ug/kg wet	50	---	---	---	---	---	---	
Ethylbenzene	ND	---	16.7	ug/kg wet	50	---	---	---	---	---	---	
Xylenes, total	ND	---	50.0	ug/kg wet	50	---	---	---	---	---	---	
Naphthalene	ND	---	66.7	ug/kg wet	50	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery: 100 %*		*Limits: 80-120 %*			*Dilution: 1x*					
Toluene-d8 (Surr)		*109 %*		*80-120 %*			*"*					
4-Bromofluorobenzene (Surr)		*95 %*		*79-120 %*			*"*					
LCS (1070743-BS1)		Prepared: 07/22/21 16:02 Analyzed: 07/23/21 00:13										
5035A/8260D												
Benzene	1120	---	10.0	ug/kg wet	50	1000	---	112	80 - 120%	---	---	
Toluene	1080	---	50.0	ug/kg wet	50	1000	---	108	80 - 120%	---	---	
Ethylbenzene	1100	---	25.0	ug/kg wet	50	1000	---	110	80 - 120%	---	---	
Xylenes, total	3210	---	75.0	ug/kg wet	50	3000	---	107	80 - 120%	---	---	
Naphthalene	938	---	100	ug/kg wet	50	1000	---	94	80 - 120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery: 103 %*		*Limits: 80-120 %*			*Dilution: 1x*					
Toluene-d8 (Surr)		*105 %*		*80-120 %*			*"*					
4-Bromofluorobenzene (Surr)		*96 %*		*79-120 %*			*"*					

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Wilsonville, OR 97070	Project Manager: **Steve Omo**	**A1G0470 - 07 27 21 1511**

QUALITY CONTROL (QC) SAMPLE RESULTS

Percent Dry Weight

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1070557 - Total Solids (Dry Weight)							**Soil**					

No Client related Batch QC samples analyzed for this batch. See notes page for more information.

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SAMPLE PREPARATION INFORMATION

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Prep: EPA 3546 (Fuels)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1070667							
A1G0470-01RE1	Soil	NWTPH-Dx	07/15/21 11:40	07/21/21 10:15	10.12g/5mL	10g/5mL	0.99
A1G0470-02RE1	Soil	NWTPH-Dx	07/15/21 11:50	07/21/21 10:15	10.12g/5mL	10g/5mL	0.99
A1G0470-03RE1	Soil	NWTPH-Dx	07/15/21 12:00	07/21/21 10:15	10.13g/5mL	10g/5mL	0.99
A1G0470-04RE1	Soil	NWTPH-Dx	07/15/21 13:20	07/21/21 10:15	10.14g/5mL	10g/5mL	0.99
A1G0470-05RE1	Soil	NWTPH-Dx	07/15/21 13:30	07/21/21 13:10	10.49g/5mL	10g/5mL	0.95

BTEX+N Compounds by EPA 8260D

Prep: EPA 5035A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1070660							
A1G0470-02	Soil	5035A/8260D	07/15/21 11:50	07/15/21 11:50	4.13g/5mL	5g/5mL	1.21
A1G0470-03	Soil	5035A/8260D	07/15/21 12:00	07/15/21 12:00	3.8g/5mL	5g/5mL	1.32
A1G0470-04	Soil	5035A/8260D	07/15/21 13:20	07/15/21 13:20	4.56g/5mL	5g/5mL	1.10
Batch: 1070707							
A1G0470-01RE1	Soil	5035A/8260D	07/15/21 11:40	07/15/21 11:40	3.78g/5mL	5g/5mL	1.32
Batch: 1070743							
A1G0470-05RE1	Soil	5035A/8260D	07/15/21 13:30	07/15/21 13:30	4.61g/5mL	5g/5mL	1.08

Percent Dry Weight

Prep: Total Solids (Dry Weight)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1070557							
A1G0470-01	Soil	EPA 8000D	07/15/21 11:40	07/19/21 07:50			NA
A1G0470-02	Soil	EPA 8000D	07/15/21 11:50	07/19/21 07:50			NA
A1G0470-03	Soil	EPA 8000D	07/15/21 12:00	07/19/21 07:50			NA
A1G0470-04	Soil	EPA 8000D	07/15/21 13:20	07/19/21 07:50			NA
A1G0470-05	Soil	EPA 8000D	07/15/21 13:30	07/19/21 07:50			NA

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Wilsonville, OR 97070	Project Manager: **Steve Omo**	**A1G0470 - 07 27 21 1511**

QUALIFIER DEFINITIONS

Client Sample and Quality Control (QC) Sample Qualifier Definitions:

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Q-41	Estimated Results. Recovery of Continuing Calibration Verification sample above upper control limit for this analyte. Results are likely biased high.
R-06	Reporting level raised due to possible carryover from a previous sample.
S-05	Surrogate recovery is estimated due to sample dilution required for high analyte concentration and/or matrix interference.
T-02	This Batch QC sample was analyzed outside of the method specified 12 hour analysis window. Results are estimated.

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REPORTING NOTES AND CONVENTIONS:

Abbreviations:

DET Analyte DETECTED at or above the detection or reporting limit.

ND Analyte NOT DETECTED at or above the detection or reporting limit.

NR Result Not Reported.

RPD Relative Percent Difference. RPDs for Matrix Spikes and Matrix Spike Duplicates are based on concentration, not recovery.

Detection Limits: Limit of Detection (LOD)

Limits of Detection (LODs) are normally set at a level of one half the validated Limit of Quantitation (LOQ).
If no value is listed ('-----'), then the data has not been evaluated below the Reporting Limit.

Reporting Limits: Limit of Quantitation (LOQ)

Validated Limits of Quantitation (LOQs) are reported as the Reporting Limits for all analyses where the LOQ, MRL, PQL or CRL are requested. The LOQ represents a level at or above the low point of the calibration curve, that has been validated according to Apex Laboratories' comprehensive LOQ policies and procedures.

Reporting Conventions:

Basis: Results for soil samples are generally reported on a 100% dry weight basis.
The Result Basis is listed following the units as " dry", " wet", or " " (blank) designation.

" dry" Sample results and Reporting Limits are reported on a dry weight basis. (i.e. "ug/kg dry")
See Percent Solids section for details of dry weight analysis.

" wet" Sample results and Reporting Limits for this analysis are normally dry weight corrected, but have not been modified in this case.

" " Results without 'wet' or 'dry' designation are not normally dry weight corrected. These results are considered 'As Received'.

QC Source:

In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) may be analyzed to demonstrate accuracy and precision of the extraction batch.

Non-Client Batch QC Samples (Duplicates and Matrix Spike/Duplicates) are not included in this report. Please request a Full QC report if this data is required.

Miscellaneous Notes:

" --- " QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.

" *** " Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

Blanks:

Standard practice is to evaluate the results from Blank QC Samples down to a level equal to ½ the Reporting Limit (RL).
-For Blank hits falling between ½ the RL and the RL (J flagged hits), the associated sample and QC data will receive a 'B-02' qualifier.
-For Blank hits above the RL, the associated sample and QC data will receive a 'B' qualifier, per Apex Laboratories' Blank Policy.
For further details, please request a copy of this document.

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Darrell Auvil, Client Services Manager

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

BB&A Environmental - Wilsonville	Project: **Yakima Speedway**	
25195 SW Parkway Ave, Suite #207	Project Number: **PAP119PH2.21E**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Steve Omo**	**A1G0470 - 07 27 21 1511**

REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks (Cont.):

Sample results flagged with a 'B' or 'B-02' qualifier are potentially biased high if the sample results are less than ten times the level found in the blank for inorganic analyses, or less than five times the level found in the blank for organic analyses.

'B' and 'B-02' qualifications are only applied to sample results detected above the Reporting Level.

Preparation Notes:

Mixed Matrix Samples:

Water Samples:

Water samples containing significant amounts of sediment are decanted or separated prior to extraction, and only the water portion analyzed, unless otherwise directed by the client.

Soil and Sediment Samples:

Soil and Sediment samples containing significant amounts of water are decanted prior to extraction, and only the solid portion analyzed, unless otherwise directed by the client.

Sampling and Preservation Notes:

Certain regulatory programs, such as National Pollutant Discharge Elimination System (NPDES), require that activities such as sample filtration (for dissolved metals, orthophosphate, hexavalent chromium, etc.) and testing of short hold analytes (pH, Dissolved Oxygen, etc.) be performed in the field (on-site) within a short time window. In addition, sample matrix spikes are required for some analyses, and sufficient volume must be provided, and billable site specific QC requested, if this is required. All regulatory permits should be reviewed to ensure that these requirements are being met.

Data users should be aware of which regulations pertain to the samples they submit for testing. If related sample collection activities are not approved for a particular regulatory program, results should be considered estimates. Apex Laboratories will qualify these analytes according to the most stringent requirements, however results for samples that are for non-regulatory purposes may be acceptable.

Samples that have been filtered and preserved at Apex Laboratories per client request are listed in the preparation section of the report with the date and time of filtration listed.

Apex Laboratories maintains detailed records on sample receipt, including client label verification, cooler temperature, sample preservation, hold time compliance and field filtration. Data is qualified as necessary, and the lack of qualification indicates compliance with required parameters.

Apex Laboratories, LLC
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25195 SW Parkway Ave, Suite #207	Project Number: **PAP119PH2.21E**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Steve Omo**	**A1G0470 - 07 27 21 1511**

LABORATORY ACCREDITATION INFORMATION

ORELAP Certification ID: OR100062 (Primary Accreditation)
EPA ID: OR01039

All methods and analytes reported from work performed at Apex Laboratories are included on Apex Laboratories' ORELAP Scope of Certification, with the exception of any analyte(s) listed below:

Apex Laboratories

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation

All reported analytes are included in Apex Laboratories' current ORELAP scope.

Secondary Accreditations

Apex Laboratories also maintains reciprocal accreditation with non-TNI states (Washington DOE), as well as other state specific accreditations not listed here.

Subcontract Laboratory Accreditations

Subcontracted data falls outside of Apex Laboratories' Scope of Accreditation.
Please see the Subcontract Laboratory report for full details, or contact your Project Manager for more information.

Field Testing Parameters

Results for Field Tested data are provded by the client or sampler, and fall outside of Apex Laboratories' Scope of Accreditation.

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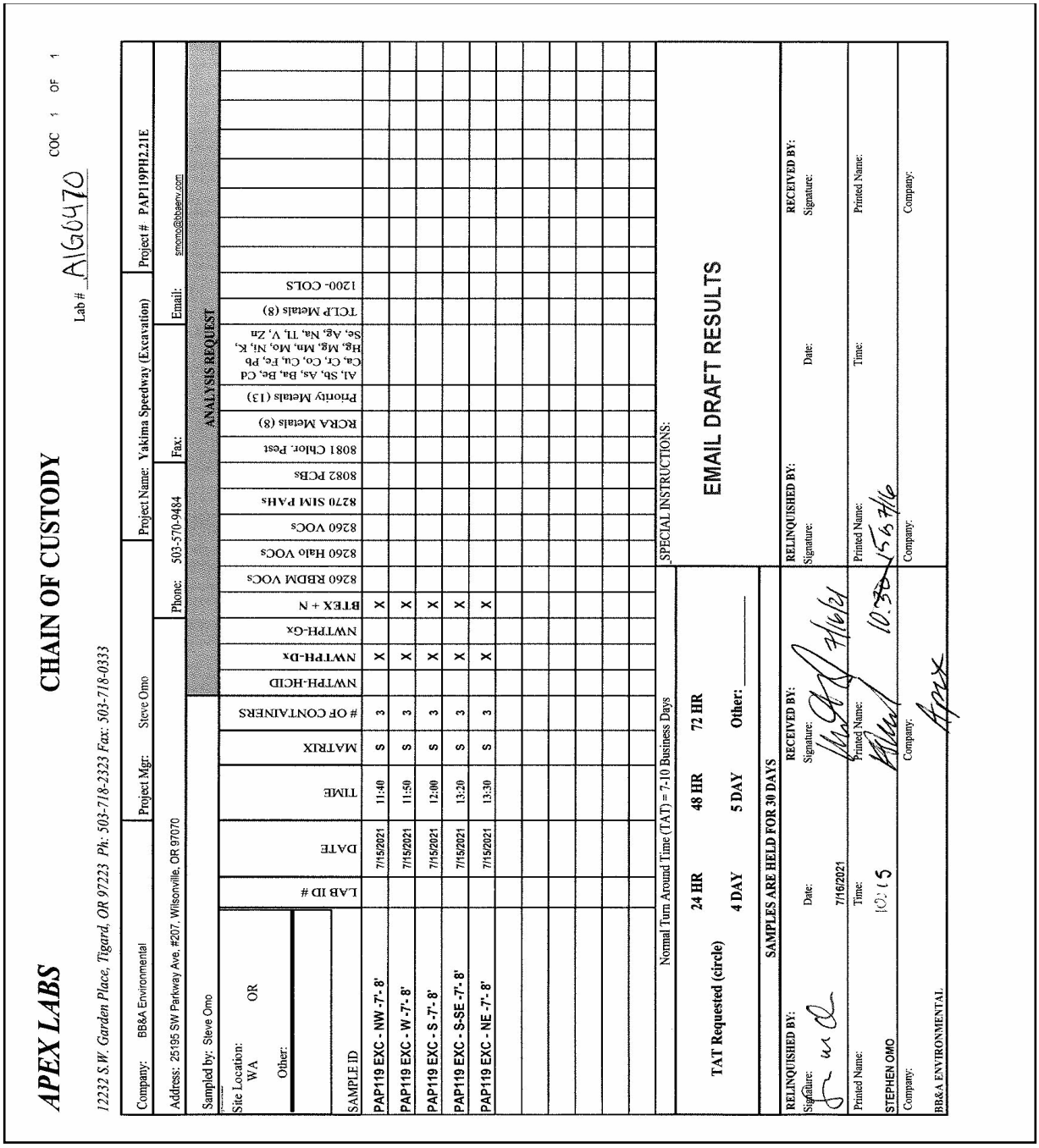
ORELAP ID: **OR100062**

ANALYTICAL REPORT

BB&A Environmental - Wilsonville	Project: **Yakima Speedway**	
25195 SW Parkway Ave, Suite #207	Project Number: **PAP119PH2.21E**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Steve Omo**	**A1G0470 - 07 27 21 1511**



APEX LABS

CHAIN OF CUSTODY

COC 1 OF 1

Lab # A1G0470

12232 S.W. Garden Place, Tigard, OR 97223 Ph: 503-718-2323 Fax: 503-718-0333

Company: BB&A Environmental | Project Mgr: Steve Omo | Phone: 503-570-9484 | Project Name: Yakima Speedway (Excavation) | Fax: | Project # PAP119PH2.21E

Address: 25195 SW Parkway Ave, #207, Wilsonville, OR 97070 | Email: smomo@bbaenv.com

Sampled by: Steve Omo

Site Location: WA OR Other:

ANALYSIS REQUEST

SAMPLE ID	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCID	NWTPH-Dx	NWTPH-Gx	BTEX + N	8260B RBDM VOCs	8260B Halo VOCs	8260B VOCs	8270 SIM PAHs	8082 PCBs	8081 Chlor. Pest	RCRA Metals (8)	Priority Metals (13)	Al, Sb, As, Ba, Be, Cd Ca, Cr, Co, Cu, Fe, Pb Hg, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn	TCLP Metals (8)	1200- COLS
PAP119 EXC - NW -7'- 8'		7/15/2021	11:40	S	3		X		X											
PAP119 EXC - W -7'- 8'		7/15/2021	11:50	S	3		X		X											
PAP119 EXC - S -7'- 8'		7/15/2021	12:00	S	3		X		X											
PAP119 EXC - S-SE -7'- 8'		7/15/2021	13:20	S	3		X		X											
PAP119 EXC - NE -7'- 8'		7/15/2021	13:30	S	3		X		X											

Normal Turn Around Time (TAT) = 7-10 Business Days

TAT Requested (circle): 24 HR 48 HR 72 HR 4 DAY 5 DAY Other: _____

SPECIAL INSTRUCTIONS:

EMAIL DRAFT RESULTS

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY: Signature: Date: 7/16/2021 Time: 10:15 Printed Name: STEPHEN OMO Company: BB&A ENVIRONMENTAL

RECEIVED BY: Signature: Date: 7/16/21 Time: 10:30 Printed Name: Company:

RELINQUISHED BY: Signature: Date: Time: Printed Name: Company:

RECEIVED BY: Signature: Date: Time: Printed Name: Company:

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Darrell Auvil, Client Services Manager

APEX LABORATORIES

Apex Laboratories, LLC
6700 S.W. Sandburg Street
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503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

BB&A Environmental - Wilsonville	Project: **Yakima Speedway**	
25195 SW Parkway Ave, Suite #207	Project Number: **PAP119PH2.21E**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Steve Omo**	**A1G0470 - 07 27 21 1511**

APEX LABS COOLER RECEIPT FORM

Client: BB+A Environmental Element WO#: A1 G0470

Project/Project #: Yakima Speedway (Excavation) / PAP119PH2.21E

Delivery Info:

Date/time received: 7/16/21 @ 10:15 By: MS

Delivered by: Apex____Client X ESS____FedEx____UPS____Swift____Senvoy____SDS____Other_____

Cooler Inspection Date/time inspected: 7/16/21 @ 10:30 By: MS

Chain of Custody included? Yes X No _____ Custody seals? Yes_____ No X

Signed/dated by client? Yes X No _____

Signed/dated by Apex? Yes X No _____

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	5.5						
Received on ice? (Y/N)	Y						
Temp. blanks? (Y/N)	Y						
Ice type: (Gel/Real/Other)	Gel						
Condition:	Good						

Cooler out of temp? (Y/N) Possible reason why: _____

Green dots applied to out of temperature samples? Yes/No

Out of temperature samples form initiated? Yes/No

Sample Inspection: Date/time inspected: 7/16/21 @ 1235 By: MAS

All samples intact? Yes X No ___ Comments: _____

Bottle labels/COCs agree? Yes X No ___ Comments: _____

COC/container discrepancies form initiated? Yes ___ No X

Containers/volumes received appropriate for analysis? Yes X No ___ Comments: PAP119EXC-NE-7'-8':
1/2 MeOH voas received with little/no methanol.

Do VOA vials have visible headspace? Yes ___ No ___ NA X

Comments _____

Water samples: pH checked: Yes___No___NA X pH appropriate? Yes___No___NA X

Comments: _____

Additional information: _____

Labeled by: MAS Witness: AMC Cooler Inspected by: MAS

Darrell Auvil, Client Services Manager

APPENDIX C

Push-Probe Boring Logs

PROBE LOG

PROBE NO.: P4
PROJECT CODE: PAP159PH2.21E
CADD FILE: PAP159PH2.21E
PROJECT: YAKIMA SPEEDWAY (SE FIELD)
LOCATION: 1600 PACIFIC AVENUE, YAKIMA, WASHINGTON

TOTAL DEPTH: 10'
SURFACE ELEVATION:
PROBING METHOD: MACRO CORE
PROBED BY: BB&A ENVIRONMENTAL
LOGGED BY: STEVE OMO
DATE COMPLETED: 09/28/21

DEPTH (feet)	SAMPLE IDENTIFICATION AND LAB RESULTS	PID	H_2O LEVEL	LITHOLOGIC DESCRIPTION	LITHOLOGY	DEPTH (feet)	PROBE ABANDONMENT
0				GRAVEL (GM): brown, silty-sandy, no petroleum odor or staining		0	
	P4-1'-2'	0.0					
		0.0					
5		0.0				5	
	P4-6'-8'	0.0					
		0.0					
			WD?	GRAVEL (GM): gray, dense, sandy, no petroleum odor or staining			
10		0.0				10	
15						15	
20						20	
25						25	

LEGEND

BLS	Below Land Surface
WD	Water Level in borehole during drilling (i.e. first encountered)
PID	Photo Ionization Detector, Units in parts per million (ppm)

NOTES:

NOTE: CLASSIFICATION OF SOILS BASED ON THE UNITED SOILS CLASSIFICATION SYSTEM.

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ph. 541.484.9484 fax. 541.484.4188
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25195 SW Parkway Ave., Suite 207
Wilsonville, Oregon 97070
ph. 503.570.9484 fax. 503.570.0384

PROBE LOG

PROBE NO.: P5
PROJECT CODE: PAP159PH2.21E
CADD FILE: PAP159PH2.21E
PROJECT: YAKIMA SPEEDWAY (SE FIELD)
LOCATION: 1600 PACIFIC AVENUE, YAKIMA, WASHINGTON

TOTAL DEPTH: 10'
SURFACE ELEVATION:
PROBING METHOD: MACRO CORE
PROBED BY: BB&A ENVIRONMENTAL
LOGGED BY: STEVE OMO
DATE COMPLETED: 09/28/21

DEPTH (feet)	SAMPLE IDENTIFICATION AND LAB RESULTS	PID	H_2O LEVEL	LITHOLOGIC DESCRIPTION
0				GRAVEL (GM): brown, silty-sandy, loose, dry, no petroleum odor or staining
	P5-0'-2'	0.0		
		0.0		
5		0.0		
	P5-6'-8'	0.2		Silty SAND (SM): dark brown, with broken glass, loose, no petroleum odor or staining
		0.0	WD	GRAVEL (GM): light gray, sandy, dense & hard, wet @ 9.5'-10'BLS, no petroleum odor or staining
10		0.0		
15				
20				
25				

LITHOLOGY

PROBE ABANDONMENT

LEGEND

BLS	Below Land Surface
WD	Water Level in borehole during drilling (i.e. first encountered)
PID	Photo Ionization Detector, Units in parts per million (ppm)

NOTES:

NOTE: CLASSIFICATION OF SOILS BASED ON THE UNITED SOILS CLASSIFICATION SYSTEM.

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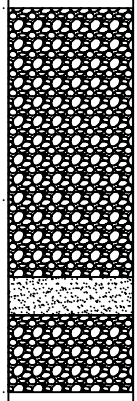
PROBE LOG

PROBE NO.: P6
PROJECT CODE: PAP159PH2.21E
CADD FILE: PAP159PH2.21E
PROJECT: YAKIMA SPEEDWAY (SE FIELD)
LOCATION: 1600 PACIFIC AVENUE, YAKIMA, WASHINGTON

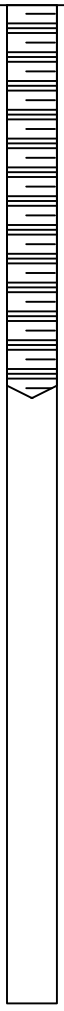
TOTAL DEPTH: 10'
SURFACE ELEVATION:
PROBING METHOD: MACRO CORE
PROBED BY: BB&A ENVIRONMENTAL
LOGGED BY: STEVE OMO
DATE COMPLETED: 09/28/21

DEPTH (feet)	SAMPLE IDENTIFICATION AND LAB RESULTS	PID	H_2O LEVEL	LITHOLOGIC DESCRIPTION
0	P6–0'–2'	0.0		GRAVEL (GM): brown, silty–sandy, loose, dry, occasional cobbles, no petroleum odor or staining
		0.0		
5	P6–4'–5'	0.0		
	P6–7'–8'	0.0		Silty SAND (SM): dark gray–black, with burned material, loose, no petroleum odor or staining
		0.0	WD	GRAVEL (GM): light gray, sandy, dense & hard, wet @ 9.5'–10'BLS, no petroleum odor or staining
10		0.0		
15				
20				
25				

LITHOLOGY



PROBE ABANDONMENT



LEGEND

BLS	Below Land Surface
WD	Water Level in borehole during drilling (i.e. first encountered)
PID	Photo Ionization Detector, Units in parts per million (ppm)

NOTES:

NOTE: CLASSIFICATION OF SOILS BASED ON THE UNITED SOILS CLASSIFICATION SYSTEM.

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PROBE LOG

PROBE NO.: P7
PROJECT CODE: PAP159PH2.21E
CADD FILE: PAP159PH2.21E
PROJECT: YAKIMA SPEEDWAY (SE FIELD)
LOCATION: 1600 PACIFIC AVENUE, YAKIMA, WASHINGTON

TOTAL DEPTH: 10'
SURFACE ELEVATION:
PROBING METHOD: MACRO CORE
PROBED BY: BB&A ENVIRONMENTAL
LOGGED BY: STEVE OMO
DATE COMPLETED: 09/28/21

DEPTH (feet)	SAMPLE IDENTIFICATION AND LAB RESULTS	PID	H_2O LEVEL	LITHOLOGIC DESCRIPTION	LITHOLOGY	DEPTH (feet)	PROBE ABANDONMENT
0	P7-0'-2'	0.0		GRAVEL (GM): brown, silty-sandy, loose, dry, no petroleum odor or staining		0	
		0.0					
5	P7-4'-5'	0.0				5	
10						10	
15						15	
20						20	
25						25	

LEGEND

BLS	Below Land Surface
WD	Water Level in borehole during drilling (i.e. first encountered)
PID	Photo Ionization Detector, Units in parts per million (ppm)

NOTES:

NOTE: CLASSIFICATION OF SOILS BASED ON THE UNITED SOILS CLASSIFICATION SYSTEM.

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PROBE LOG

PROBE NO.: P8
PROJECT CODE: PAP159PH2.21E
CADD FILE: PAP159PH2.21E
PROJECT: YAKIMA SPEEDWAY (SE FIELD)
LOCATION: 1600 PACIFIC AVENUE, YAKIMA, WASHINGTON

TOTAL DEPTH: 10'
SURFACE ELEVATION:
PROBING METHOD: MACRO CORE
PROBED BY: BB&A ENVIRONMENTAL
LOGGED BY: STEVE OMO
DATE COMPLETED: 09/28/21

DEPTH (feet)	SAMPLE IDENTIFICATION AND LAB RESULTS	PID	H_2O LEVEL	LITHOLOGIC DESCRIPTION	LITHOLOGY	DEPTH (feet)	PROBE ABANDONMENT
0	P8-0'-2'	0.0		GRAVEL (GM): brown, silty-sandy, loose, dry, no petroleum odor or staining		0	
		0.0					
5	P8-4'-5'	0.0		Silty SAND (SM): dark brown, some burned material & broken glass, loose, no petroleum odor or staining		5	
10						10	
15						15	
20						20	
25						25	

LEGEND

BLS	Below Land Surface
WD	Water Level in borehole during drilling (i.e. first encountered)
PID	Photo Ionization Detector, Units in parts per million (ppm)

NOTES:

NOTE: CLASSIFICATION OF SOILS BASED ON THE UNITED SOILS CLASSIFICATION SYSTEM.

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PROBE LOG

PROBE NO.: P9
PROJECT CODE: PAP159PH2.21E
CADD FILE: PAP159PH2.21E
PROJECT: YAKIMA SPEEDWAY (SE FIELD)
LOCATION: 1600 PACIFIC AVENUE, YAKIMA, WASHINGTON

TOTAL DEPTH: 10'
SURFACE ELEVATION:
PROBING METHOD: MACRO CORE
PROBED BY: BB&A ENVIRONMENTAL
LOGGED BY: STEVE OMO
DATE COMPLETED: 09/28/21

DEPTH (feet)	SAMPLE IDENTIFICATION AND LAB RESULTS	PID	H_2O LEVEL	LITHOLOGIC DESCRIPTION	LITHOLOGY	DEPTH (feet)	PROBE ABANDONMENT
0	P9-0'-2'	0.0		GRAVEL (GM): brown, silty-sandy, loose, dry, no petroleum odor or staining		0	
		0.0					
5	P9-4'-5'	0.0				5	
10						10	
15						15	
20						20	
25						25	

LEGEND

BLS	Below Land Surface
WD	Water Level in borehole during drilling (i.e. first encountered)
PID	Photo Ionization Detector, Units in parts per million (ppm)

NOTES:

NOTE: CLASSIFICATION OF SOILS BASED ON THE UNITED SOILS CLASSIFICATION SYSTEM.

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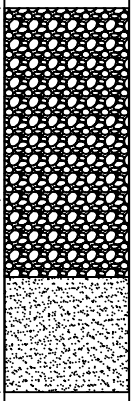
PROBE LOG

PROBE NO.: P10
PROJECT CODE: PAP159PH2.21E
CADD FILE: PAP159PH2.21E
PROJECT: YAKIMA SPEEDWAY (SE FIELD)
LOCATION: 1600 PACIFIC AVENUE, YAKIMA, WASHINGTON

TOTAL DEPTH: 10'
SURFACE ELEVATION:
PROBING METHOD: MACRO CORE
PROBED BY: BB&A ENVIRONMENTAL
LOGGED BY: STEVE OMO
DATE COMPLETED: 09/28/21

DEPTH (feet)	SAMPLE IDENTIFICATION AND LAB RESULTS	PID	H_2O LEVEL	LITHOLOGIC DESCRIPTION
0		0.0		GRAVEL (GM): light brown, silty-sandy, loose, dry, no petroleum odor or staining
		0.0		
		0.0		
5		0.0		
		0.0		Silty SAND (SM): dark brown, with occasional gravel, moist to wet @ 9'BLS, no petroleum odor or staining
	P10-7'-9'	1.2	WD	
10		0.0		
15				
20				
25				

LITHOLOGY



DEPTH (feet): 0, 5, 10, 15, 20, 25

PROBE ABANDONMENT

LEGEND

BLS	Below Land Surface
WD	Water Level in borehole during drilling (i.e. first encountered)
PID	Photo Ionization Detector, Units in parts per million (ppm)

NOTES:

NOTE: CLASSIFICATION OF SOILS BASED ON THE UNITED SOILS CLASSIFICATION SYSTEM.

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APPENDIX D

Laboratory Report and Chain-of-Custody Documents

9/28/21 Investigation

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

Monday, October 11, 2021

Steve Omo
BB&A Environmental - Wilsonville
25195 SW Parkway Ave, Suite #207
Wilsonville, OR 97070

RE: A1I1124 - Yakima Speedway - PAP159PH2.21E

Thank you for using Apex Laboratories. We greatly appreciate your business and strive to provide the highest quality services to the environmental industry.

Enclosed are the results of analyses for work order A1I1124, which was received by the laboratory on 9/28/2021 at 5:20:00PM.

If you have any questions concerning this report or the services we offer, please feel free to contact me by email at: DAuvil@apex-labs.com, or by phone at 503-718-2323.

Please note: All samples will be disposed of within 30 days of sample receipt, unless prior arrangements have been made.

Cooler Receipt Information

(See Cooler Receipt Form for details)

Cooler #1	1.8 degC

This Final Report is the official version of the data results for this sample submission, unless superseded by a subsequent, labeled amended report.
All other deliverables derived from this data, including Electronic Data Deliverables (EDDs), CLP-like forms, client requested summary sheets, and all other products are considered secondary to this report.

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Darrell Auvil, Client Services Manager

Apex Laboratories, LLC
6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

BB&A Environmental - Wilsonville	Project: Yakima Speedway	
25195 SW Parkway Ave, Suite #207	Project Number: PAP159PH2.21E	Report ID:
Wilsonville, OR 97070	Project Manager: Steve Omo	A1I1124 - 10 11 21 1642

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
PAP159-P4-1'-2'	A1I1124-01	Soil	09/28/21 11:00	09/28/21 17:20
PAP159-P4-6'-8'	A1I1124-02	Soil	09/28/21 11:15	09/28/21 17:20
PAP159-P5-0'-2'	A1I1124-03	Soil	09/28/21 11:40	09/28/21 17:20
PAP159-P5-6'-8'	A1I1124-04	Soil	09/28/21 11:45	09/28/21 17:20
PAP159-P6-0'-2'	A1I1124-05	Soil	09/28/21 12:40	09/28/21 17:20
PAP159-P6-4'-5'	A1I1124-06	Soil	09/28/21 12:45	09/28/21 17:20
PAP159-P6-7'-8'	A1I1124-07	Soil	09/28/21 12:50	09/28/21 17:20
PAP159-P7-0'-2'	A1I1124-08	Soil	09/28/21 11:30	09/28/21 17:20
PAP159-P7-4'-5'	A1I1124-09	Soil	09/28/21 11:35	09/28/21 17:20
PAP159-P8-0'-1'	A1I1124-10	Soil	09/28/21 12:25	09/28/21 17:20
PAP159-P8-4'-5'	A1I1124-11	Soil	09/28/21 12:30	09/28/21 17:20
PAP159-P9-0'-2'	A1I1124-12	Soil	09/28/21 13:00	09/28/21 17:20
PAP159-P9-4'-5'	A1I1124-13	Soil	09/28/21 13:05	09/28/21 17:20
PAP159-P10-7'-9'	A1I1124-14	Soil	09/28/21 13:15	09/28/21 17:20

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ORELAP ID: **OR100062**

ANALYTICAL REPORT

BB&A Environmental - Wilsonville	Project: **Yakima Speedway**	
25195 SW Parkway Ave, Suite #207	Project Number: **PAP159PH2.21E**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Steve Omo**	**A1I1124 - 10 11 21 1642**

ANALYTICAL SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PAP159-P4-6'-8' (A1I1124-02RE2)				**Matrix: Soil**		**Batch: 21J0025**		
Diesel	ND	---	25.0	mg/kg dry	1	10/05/21 11:37	NWTPH-Dx	
Oil	**106**	---	50.0	mg/kg dry	1	10/05/21 11:37	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 96 %*		*Limits: 50-150 %*	*1*	*10/05/21 11:37*	*NWTPH-Dx*	
PAP159-P5-6'-8' (A1I1124-04RE2)				**Matrix: Soil**		**Batch: 21J0025**		
Diesel	ND	---	25.0	mg/kg dry	1	10/05/21 12:18	NWTPH-Dx	
Oil	**447**	---	50.0	mg/kg dry	1	10/05/21 12:18	NWTPH-Dx	**F-03**
Surrogate: o-Terphenyl (Surr)		*Recovery: 89 %*		*Limits: 50-150 %*	*1*	*10/05/21 12:18*	*NWTPH-Dx*	
PAP159-P6-7'-8' (A1I1124-07RE2)				**Matrix: Soil**		**Batch: 21J0025**		
Diesel	**454**	---	25.0	mg/kg dry	1	10/05/21 10:32	NWTPH-Dx	**F-13**
Oil	ND	---	50.0	mg/kg dry	1	10/05/21 10:32	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 78 %*		*Limits: 50-150 %*	*1*	*10/05/21 10:32*	*NWTPH-Dx*	
PAP159-P10-7'-9' (A1I1124-14RE2)				**Matrix: Soil**		**Batch: 21J0025**		
Diesel	ND	---	25.0	mg/kg dry	1	10/05/21 10:52	NWTPH-Dx	
Oil	**368**	---	50.0	mg/kg dry	1	10/05/21 10:52	NWTPH-Dx	**F-03**
Surrogate: o-Terphenyl (Surr)		*Recovery: 90 %*		*Limits: 50-150 %*	*1*	*10/05/21 10:52*	*NWTPH-Dx*	

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ANALYTICAL REPORT

BB&A Environmental - Wilsonville	Project: **Yakima Speedway**	
25195 SW Parkway Ave, Suite #207	Project Number: **PAP159PH2.21E**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Steve Omo**	**A1I1124 - 10 11 21 1642**

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PAP159-P4-1'-2' (A1I1124-01)				**Matrix: Soil**				
Batch: 21J0049								
Lead	**56.2**	---	0.229	mg/kg dry	10	10/04/21 20:21	EPA 6020B	
PAP159-P4-6'-8' (A1I1124-02)				**Matrix: Soil**				
Batch: 21J0049								
Lead	**114**	---	0.262	mg/kg dry	10	10/04/21 20:25	EPA 6020B	
PAP159-P5-0'-2' (A1I1124-03)				**Matrix: Soil**				
Batch: 21J0049								
Lead	**50.6**	---	0.219	mg/kg dry	10	10/04/21 20:30	EPA 6020B	
PAP159-P5-6'-8' (A1I1124-04)				**Matrix: Soil**				
Batch: 21J0057								
Lead	**358**	---	0.244	mg/kg dry	10	10/05/21 05:14	EPA 6020B	
PAP159-P6-0'-2' (A1I1124-05)				**Matrix: Soil**				
Batch: 21J0057								
Lead	**128**	---	0.207	mg/kg dry	10	10/05/21 05:19	EPA 6020B	
PAP159-P6-4'-5' (A1I1124-06)				**Matrix: Soil**				
Batch: 21J0057								
Lead	**35.6**	---	0.231	mg/kg dry	10	10/05/21 05:25	EPA 6020B	
PAP159-P6-7'-8' (A1I1124-07)				**Matrix: Soil**				
Batch: 21J0057								
Lead	**181**	---	0.239	mg/kg dry	10	10/05/21 05:31	EPA 6020B	
PAP159-P7-0'-2' (A1I1124-08)				**Matrix: Soil**				
Batch: 21J0057								
Lead	**68.0**	---	0.209	mg/kg dry	10	10/05/21 05:36	EPA 6020B	
PAP159-P7-4'-5' (A1I1124-09)				**Matrix: Soil**				
Batch: 21J0057								
Lead	**125**	---	0.217	mg/kg dry	10	10/05/21 05:42	EPA 6020B	

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ANALYTICAL REPORT

BB&A Environmental - Wilsonville	Project: **Yakima Speedway**	
25195 SW Parkway Ave, Suite #207	Project Number: **PAP159PH2.21E**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Steve Omo**	**A1I1124 - 10 11 21 1642**

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PAP159-P8-0'-1' (A1I1124-10)				**Matrix: Soil**				
Batch: 21J0057								
Lead	**55.4**	---	0.215	mg/kg dry	10	10/05/21 05:59	EPA 6020B	
PAP159-P8-4'-5' (A1I1124-11)				**Matrix: Soil**				
Batch: 21J0057								
Lead	**33.2**	---	0.229	mg/kg dry	10	10/05/21 06:04	EPA 6020B	
PAP159-P9-0'-2' (A1I1124-12)				**Matrix: Soil**				
Batch: 21J0057								
Lead	**51.9**	---	0.219	mg/kg dry	10	10/05/21 06:10	EPA 6020B	
PAP159-P9-4'-5' (A1I1124-13)				**Matrix: Soil**				
Batch: 21J0057								
Lead	**153**	---	0.233	mg/kg dry	10	10/05/21 06:16	EPA 6020B	
PAP159-P10-7'-9' (A1I1124-14)				**Matrix: Soil**				
Batch: 21J0057								
Lead	**469**	---	0.248	mg/kg dry	10	10/05/21 06:21	EPA 6020B	

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ANALYTICAL REPORT

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25195 SW Parkway Ave, Suite #207	Project Number: PAP159PH2.21E	Report ID:
Wilsonville, OR 97070	Project Manager: Steve Omo	A1I1124 - 10 11 21 1642

ANALYTICAL SAMPLE RESULTS

Percent Dry Weight

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PAP159-P4-1'-2' (A1I1124-01)				**Matrix: Soil**		**Batch: 1109564**		
% Solids	**95.4**	---	1.00	%	1	10/04/21 07:40	EPA 8000D	
PAP159-P4-6'-8' (A1I1124-02)				**Matrix: Soil**		**Batch: 1109564**		
% Solids	**83.1**	---	1.00	%	1	10/04/21 07:40	EPA 8000D	
PAP159-P5-0'-2' (A1I1124-03)				**Matrix: Soil**		**Batch: 1109564**		
% Solids	**95.4**	---	1.00	%	1	10/04/21 07:40	EPA 8000D	
PAP159-P5-6'-8' (A1I1124-04)				**Matrix: Soil**		**Batch: 1109564**		
% Solids	**89.5**	---	1.00	%	1	10/04/21 07:40	EPA 8000D	
PAP159-P6-0'-2' (A1I1124-05)				**Matrix: Soil**		**Batch: 1109564**		
% Solids	**96.0**	---	1.00	%	1	10/04/21 07:40	EPA 8000D	
PAP159-P6-4'-5' (A1I1124-06)				**Matrix: Soil**		**Batch: 1109564**		
% Solids	**94.4**	---	1.00	%	1	10/04/21 07:40	EPA 8000D	
PAP159-P6-7'-8' (A1I1124-07)				**Matrix: Soil**		**Batch: 1109564**		
% Solids	**81.6**	---	1.00	%	1	10/04/21 07:40	EPA 8000D	
PAP159-P7-0'-2' (A1I1124-08)				**Matrix: Soil**		**Batch: 1109564**		
% Solids	**95.1**	---	1.00	%	1	10/04/21 07:40	EPA 8000D	
PAP159-P7-4'-5' (A1I1124-09)				**Matrix: Soil**		**Batch: 1109564**		
% Solids	**93.9**	---	1.00	%	1	10/04/21 07:40	EPA 8000D	
PAP159-P8-0'-1' (A1I1124-10)				**Matrix: Soil**		**Batch: 1109564**		
% Solids	**94.1**	---	1.00	%	1	10/04/21 07:40	EPA 8000D	
PAP159-P8-4'-5' (A1I1124-11)				**Matrix: Soil**		**Batch: 1109564**		
% Solids	**90.0**	---	1.00	%	1	10/04/21 07:40	EPA 8000D	
PAP159-P9-0'-2' (A1I1124-12)				**Matrix: Soil**		**Batch: 1109564**		
% Solids	**95.5**	---	1.00	%	1	10/04/21 07:40	EPA 8000D	
PAP159-P9-4'-5' (A1I1124-13)				**Matrix: Soil**		**Batch: 1109564**		

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ANALYTICAL REPORT

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25195 SW Parkway Ave, Suite #207	Project Number: **PAP159PH2.21E**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Steve Omo**	**A1I1124 - 10 11 21 1642**

ANALYTICAL SAMPLE RESULTS

Percent Dry Weight

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
PAP159-P9-4'-5' (A1I1124-13)				**Matrix: Soil**		**Batch: 1109564**		
% Solids	**93.7**	---	1.00	%	1	10/04/21 07:40	EPA 8000D	
PAP159-P10-7'-9' (A1I1124-14)				**Matrix: Soil**		**Batch: 1109564**		
% Solids	**87.1**	---	1.00	%	1	10/04/21 07:40	EPA 8000D	

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ANALYTICAL REPORT

BB&A Environmental - Wilsonville	Project: Yakima Speedway	
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Wilsonville, OR 97070	Project Manager: Steve Omo	A1I1124 - 10 11 21 1642

QUALITY CONTROL (QC) SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 21J0025 - EPA 3546 (Fuels)							Soil					
Blank (21J0025-BLK1)		Prepared: 10/04/21 10:08 Analyzed: 10/04/21 22:34										
NWTPH-Dx												
Diesel	ND	---	25.0	mg/kg wet	1	---	---	---	---	---	---	
Oil	ND	---	50.0	mg/kg wet	1	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)		*Recovery: 99 %*	*Limits: 50-150 %*		*Dilution: 1x*							
LCS (21J0025-BS1)		Prepared: 10/04/21 10:08 Analyzed: 10/04/21 22:56										
NWTPH-Dx												
Diesel	112	---	20.0	mg/kg wet	1	125	---	89	38 - 132%	---	---	
Surr: o-Terphenyl (Surr)		*Recovery: 98 %*	*Limits: 50-150 %*		*Dilution: 1x*							

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25195 SW Parkway Ave, Suite #207	Project Number: **PAP159PH2.21E**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Steve Omo**	**A1I1124 - 10 11 21 1642**

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 21J0049 - EPA 3051A												**Soil**
Blank (21J0049-BLK1)		Prepared: 10/04/21 14:09		Analyzed: 10/04/21 19:35								
EPA 6020B												
Lead	ND	---	0.192	mg/kg wet	10	---	---	---	---	---	---	
LCS (21J0049-BS1)		Prepared: 10/04/21 14:09		Analyzed: 10/04/21 19:40								
EPA 6020B												
Lead	50.7	---	0.200	mg/kg wet	10	50.0	---	101	80 - 120%	---	---	

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Wilsonville, OR 97070

Project: **Yakima Speedway**
Project Number: **PAP159PH2.21E**
Project Manager: **Steve Omo**

Report ID:
A1I1124 - 10 11 21 1642

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 21J0057 - EPA 3051A									Soil			
Blank (21J0057-BLK1)		Prepared: 10/04/21 16:32		Analyzed: 10/05/21 03:49								
EPA 6020B												
Lead	ND	---	0.192	mg/kg wet	10	---	---	---	---	---	---	
LCS (21J0057-BS1)		Prepared: 10/04/21 16:32		Analyzed: 10/05/21 03:55								
EPA 6020B												
Lead	48.3	---	0.200	mg/kg wet	10	50.0	---	97	80 - 120%	---	---	

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QUALITY CONTROL (QC) SAMPLE RESULTS

Percent Dry Weight

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 1109564 - Total Solids (Dry Weight)									Soil			
Duplicate (1109564-DUP2)		Prepared: 10/01/21 07:56		Analyzed: 10/04/21 07:40								
QC Source Sample: PAP159-P5-0'-2' (A1I1124-03)												
EPA 8000D												
% Solids	**95.9**	---	1.00	%	1	---	95.4	---	---	0.5	10%	
Duplicate (1109564-DUP3)		Prepared: 10/01/21 07:56		Analyzed: 10/04/21 07:40								
QC Source Sample: PAP159-P9-4'-5' (A1I1124-13)												
EPA 8000D												
% Solids	**91.5**	---	1.00	%	1	---	93.7	---	---	2	10%	

No Client related Batch QC samples analyzed for this batch. See notes page for more information.

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SAMPLE PREPARATION INFORMATION

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Prep: EPA 3546 (Fuels)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 21J0025							
A1I1124-02RE2	Soil	NWTPH-Dx	09/28/21 11:15	10/04/21 10:08	10.45g/5mL	10g/5mL	0.96
A1I1124-04RE2	Soil	NWTPH-Dx	09/28/21 11:45	10/04/21 10:08	10.29g/5mL	10g/5mL	0.97
A1I1124-07RE2	Soil	NWTPH-Dx	09/28/21 12:50	10/04/21 10:08	10.46g/5mL	10g/5mL	0.96
A1I1124-14RE2	Soil	NWTPH-Dx	09/28/21 13:15	10/04/21 10:08	10.73g/5mL	10g/5mL	0.93

Total Metals by EPA 6020B (ICPMS)

Prep: EPA 3051A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 21J0049							
A1I1124-01	Soil	EPA 6020B	09/28/21 11:00	10/04/21 14:09	0.457g/50mL	0.5g/50mL	1.09
A1I1124-02	Soil	EPA 6020B	09/28/21 11:15	10/04/21 14:09	0.46g/50mL	0.5g/50mL	1.09
A1I1124-03	Soil	EPA 6020B	09/28/21 11:40	10/04/21 14:09	0.479g/50mL	0.5g/50mL	1.04
Batch: 21J0057							
A1I1124-04	Soil	EPA 6020B	09/28/21 11:45	10/04/21 16:32	0.458g/50mL	0.5g/50mL	1.09
A1I1124-05	Soil	EPA 6020B	09/28/21 12:40	10/04/21 16:32	0.503g/50mL	0.5g/50mL	0.99
A1I1124-06	Soil	EPA 6020B	09/28/21 12:45	10/04/21 16:32	0.459g/50mL	0.5g/50mL	1.09
A1I1124-07	Soil	EPA 6020B	09/28/21 12:50	10/04/21 16:32	0.512g/50mL	0.5g/50mL	0.98
A1I1124-08	Soil	EPA 6020B	09/28/21 11:30	10/04/21 16:32	0.502g/50mL	0.5g/50mL	1.00
A1I1124-09	Soil	EPA 6020B	09/28/21 11:35	10/04/21 16:32	0.491g/50mL	0.5g/50mL	1.02
A1I1124-10	Soil	EPA 6020B	09/28/21 12:25	10/04/21 16:32	0.495g/50mL	0.5g/50mL	1.01
A1I1124-11	Soil	EPA 6020B	09/28/21 12:30	10/04/21 16:32	0.486g/50mL	0.5g/50mL	1.03
A1I1124-12	Soil	EPA 6020B	09/28/21 13:00	10/04/21 16:32	0.478g/50mL	0.5g/50mL	1.05
A1I1124-13	Soil	EPA 6020B	09/28/21 13:05	10/04/21 16:32	0.458g/50mL	0.5g/50mL	1.09
A1I1124-14	Soil	EPA 6020B	09/28/21 13:15	10/04/21 16:32	0.463g/50mL	0.5g/50mL	1.08

Percent Dry Weight

Prep: Total Solids (Dry Weight)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 1109564							
A1I1124-01	Soil	EPA 8000D	09/28/21 11:00	10/01/21 07:56			NA
A1I1124-02	Soil	EPA 8000D	09/28/21 11:15	10/01/21 07:56			NA
A1I1124-03	Soil	EPA 8000D	09/28/21 11:40	10/01/21 07:56			NA
A1I1124-04	Soil	EPA 8000D	09/28/21 11:45	10/01/21 07:56			NA
A1I1124-05	Soil	EPA 8000D	09/28/21 12:40	10/01/21 07:56			NA

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BB&A Environmental - Wilsonville	Project: **Yakima Speedway**	
25195 SW Parkway Ave, Suite #207	Project Number: **PAP159PH2.21E**	**Report ID:**
Wilsonville, OR 97070	Project Manager: **Steve Omo**	**A1I1124 - 10 11 21 1642**

SAMPLE PREPARATION INFORMATION

Percent Dry Weight

Prep: Total Solids (Dry Weight)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A1I1124-06	Soil	EPA 8000D	09/28/21 12:45	10/01/21 07:56			NA
A1I1124-07	Soil	EPA 8000D	09/28/21 12:50	10/01/21 07:56			NA
A1I1124-08	Soil	EPA 8000D	09/28/21 11:30	10/01/21 07:56			NA
A1I1124-09	Soil	EPA 8000D	09/28/21 11:35	10/01/21 07:56			NA
A1I1124-10	Soil	EPA 8000D	09/28/21 12:25	10/01/21 07:56			NA
A1I1124-11	Soil	EPA 8000D	09/28/21 12:30	10/01/21 07:56			NA
A1I1124-12	Soil	EPA 8000D	09/28/21 13:00	10/01/21 07:56			NA
A1I1124-13	Soil	EPA 8000D	09/28/21 13:05	10/01/21 07:56			NA
A1I1124-14	Soil	EPA 8000D	09/28/21 13:15	10/01/21 07:56			NA

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Darrell Auvil, Client Services Manager

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Tigard, OR 97223
503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

BB&A Environmental - Wilsonville	Project: **Yakima Speedway**	
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QUALIFIER DEFINITIONS

Client Sample and Quality Control (QC) Sample Qualifier Definitions:

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F-03	The result for this hydrocarbon range is elevated due to the presence of individual analyte peaks in the quantitation range that are not representative of the fuel pattern reported.
F-13	The chromatographic pattern does not resemble the fuel standard used for quantitation

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REPORTING NOTES AND CONVENTIONS:

Abbreviations:

DET Analyte DETECTED at or above the detection or reporting limit.

ND Analyte NOT DETECTED at or above the detection or reporting limit.

NR Result Not Reported.

RPD Relative Percent Difference. RPDs for Matrix Spikes and Matrix Spike Duplicates are based on concentration, not recovery.

Detection Limits: Limit of Detection (LOD)

Limits of Detection (LODs) are normally set at a level of one half the validated Limit of Quantitation (LOQ).
If no value is listed ('-----'), then the data has not been evaluated below the Reporting Limit.

Reporting Limits: Limit of Quantitation (LOQ)

Validated Limits of Quantitation (LOQs) are reported as the Reporting Limits for all analyses where the LOQ, MRL, PQL or CRL are requested. The LOQ represents a level at or above the low point of the calibration curve, that has been validated according to Apex Laboratories' comprehensive LOQ policies and procedures.

Reporting Conventions:

Basis: Results for soil samples are generally reported on a 100% dry weight basis.
The Result Basis is listed following the units as " dry", " wet", or " " (blank) designation.

" dry" Sample results and Reporting Limits are reported on a dry weight basis. (i.e. "ug/kg dry")
See Percent Solids section for details of dry weight analysis.

" wet" Sample results and Reporting Limits for this analysis are normally dry weight corrected, but have not been modified in this case.

" " Results without 'wet' or 'dry' designation are not normally dry weight corrected. These results are considered 'As Received'.

QC Source:

In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spikes, a Lab Control Sample Duplicate (LCS Dup) may be analyzed to demonstrate accuracy and precision of the extraction batch.

Non-Client Batch QC Samples (Duplicates and Matrix Spike/Duplicates) are not included in this report. Please request a Full QC report if this data is required.

Miscellaneous Notes:

" --- " QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.

" *** " Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND).

Blanks:

Standard practice is to evaluate the results from Blank QC Samples down to a level equal to ½ the Reporting Limit (RL).
-For Blank hits falling between ½ the RL and the RL (J flagged hits), the associated sample and QC data will receive a 'B-02' qualifier.
-For Blank hits above the RL, the associated sample and QC data will receive a 'B' qualifier, per Apex Laboratories' Blank Policy.
For further details, please request a copy of this document.

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REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks (Cont.):

Sample results flagged with a 'B' or 'B-02' qualifier are potentially biased high if the sample results are less than ten times the level found in the blank for inorganic analyses, or less than five times the level found in the blank for organic analyses.

'B' and 'B-02' qualifications are only applied to sample results detected above the Reporting Level.

Preparation Notes:

Mixed Matrix Samples:

Water Samples:

Water samples containing significant amounts of sediment are decanted or separated prior to extraction, and only the water portion analyzed, unless otherwise directed by the client.

Soil and Sediment Samples:

Soil and Sediment samples containing significant amounts of water are decanted prior to extraction, and only the solid portion analyzed, unless otherwise directed by the client.

Sampling and Preservation Notes:

Certain regulatory programs, such as National Pollutant Discharge Elimination System (NPDES), require that activities such as sample filtration (for dissolved metals, orthophosphate, hexavalent chromium, etc.) and testing of short hold analytes (pH, Dissolved Oxygen, etc.) be performed in the field (on-site) within a short time window. In addition, sample matrix spikes are required for some analyses, and sufficient volume must be provided, and billable site specific QC requested, if this is required. All regulatory permits should be reviewed to ensure that these requirements are being met.

Data users should be aware of which regulations pertain to the samples they submit for testing. If related sample collection activities are not approved for a particular regulatory program, results should be considered estimates. Apex Laboratories will qualify these analytes according to the most stringent requirements, however results for samples that are for non-regulatory purposes may be acceptable.

Samples that have been filtered and preserved at Apex Laboratories per client request are listed in the preparation section of the report with the date and time of filtration listed.

Apex Laboratories maintains detailed records on sample receipt, including client label verification, cooler temperature, sample preservation, hold time compliance and field filtration. Data is qualified as necessary, and the lack of qualification indicates compliance with required parameters.

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ANALYTICAL REPORT

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Wilsonville, OR 97070	Project Manager: **Steve Omo**	**A1I1124 - 10 11 21 1642**

LABORATORY ACCREDITATION INFORMATION

ORELAP Certification ID: OR100062 (Primary Accreditation)
EPA ID: OR01039

All methods and analytes reported from work performed at Apex Laboratories are included on Apex Laboratories' ORELAP Scope of Certification, with the exception of any analyte(s) listed below:

Apex Laboratories

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation

All reported analytes are included in Apex Laboratories' current ORELAP scope.

Secondary Accreditations

Apex Laboratories also maintains reciprocal accreditation with non-TNI states (Washington DOE), as well as other state specific accreditations not listed here.

Subcontract Laboratory Accreditations

Subcontracted data falls outside of Apex Laboratories' Scope of Accreditation.
Please see the Subcontract Laboratory report for full details, or contact your Project Manager for more information.

Field Testing Parameters

Results for Field Tested data are provded by the client or sampler, and fall outside of Apex Laboratories' Scope of Accreditation.

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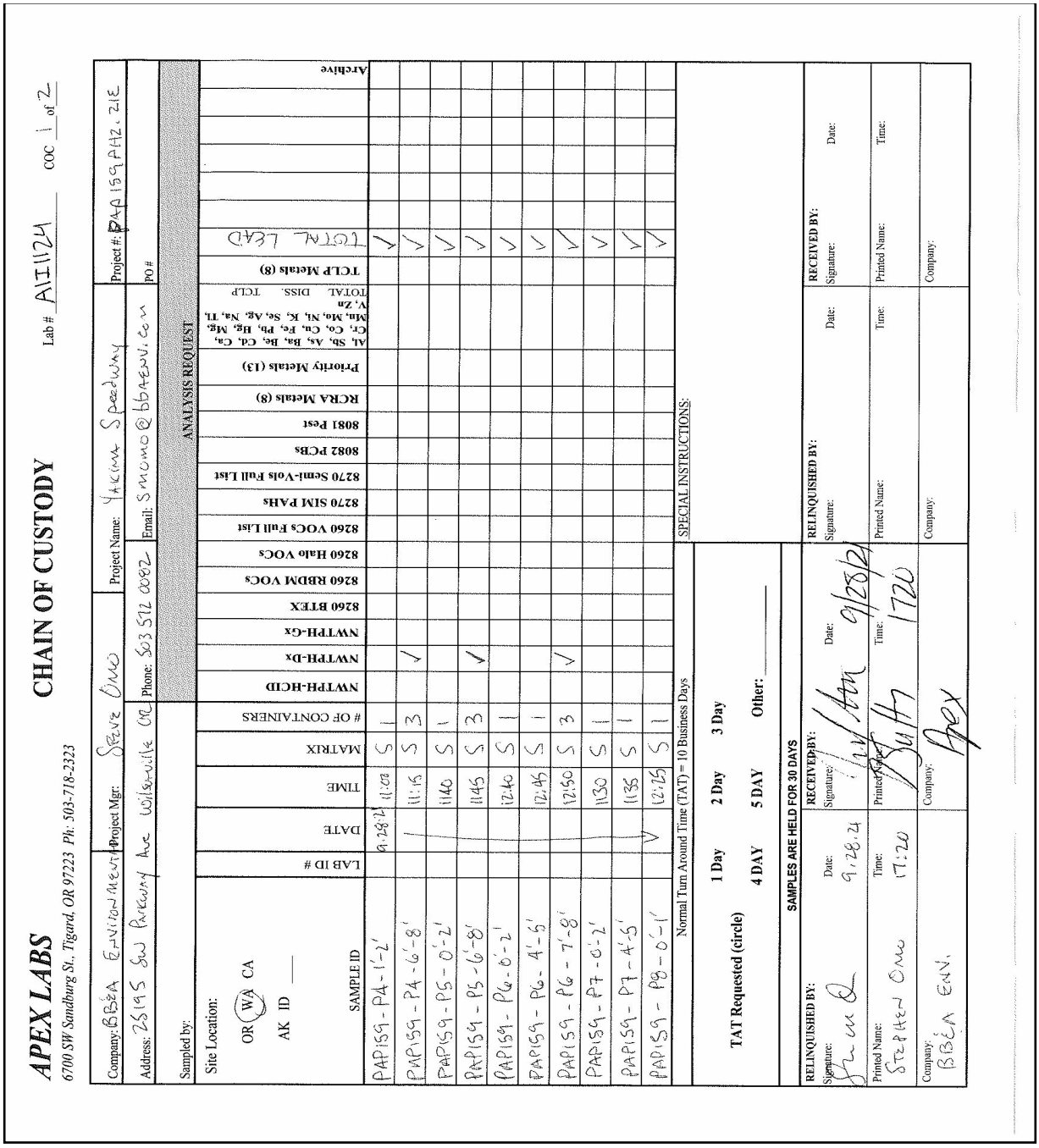

APEX LABS — **CHAIN OF CUSTODY** — Lab # A1I1124 — COC 1 of 2

6700 SW Sandburg St., Tigard, OR 97223 Ph: 503-718-2323

Company: BB&A Environmental — Project Mgr: Steve Omo — Project Name: Yakima Speedway — Project #: PAP159PH2.21E

Address: 25195 SW Parkway Ave Wilsonville OR — Phone: 503 570 0062 — Email: somo@bbaenv.com — PO #

Sampled by:

Site Location: OR (WA) CA — AK ID ___

SAMPLE ID	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCID	NWTPH-Dx	NWTPH-Gx	8260 BTEX	8260 RBDM VOCs	8260 Halo VOCs	8260 VOCs Full List	8270 SIM PAHs	8270 Semi-Vols Full List	8082 PCBs	8081 Pest	RCRA Metals (8)	Priority Metals (13)	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Hg, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn TOTAL DISS. TCLP	TCLP Metals (8)	TOTAL LEAD	Archive
PAP159-PA-1'-2'		9.28.21	11:00	S	1															✓	
PAP159-PA-6'-8'			11:15	S	3		✓													✓	
PAP159-P5-0'-2'			1140	S	1															✓	
PAP159-P5-6'-8'			1145	S	3		✓													✓	
PAP159-P6-0'-2'			12:40	S	1															✓	
PAP159-P6-4'-5'			12:45	S	1															✓	
PAP159-P6-7'-8'			12:50	S	3		✓													✓	
PAP159-P7-0'-2'			1130	S	1															✓	
PAP159-P7-4'-5'			1135	S	1															✓	
PAP159-P8-0'-1'		V	12:25	S	1															✓	

SPECIAL INSTRUCTIONS:

Normal Turn Around Time (TAT) = 10 Business Days

TAT Requested (circle): 1 Day 2 Day 3 Day 4 DAY 5 DAY Other: ___

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY:	Date:	RECEIVED BY:	Date:	RELINQUISHED BY:	Date:	RECEIVED BY:	Date:
Signature:		Signature:		Signature:		Signature:	
Printed Name:	Time:	Printed Name:	Time:	Printed Name:	Time:	Printed Name:	Time:
Company: BB&A ENV.	9,28,21 17:20	Company: Apex	9/28/21 1720	Company:		Company:	

Apex Laboratories

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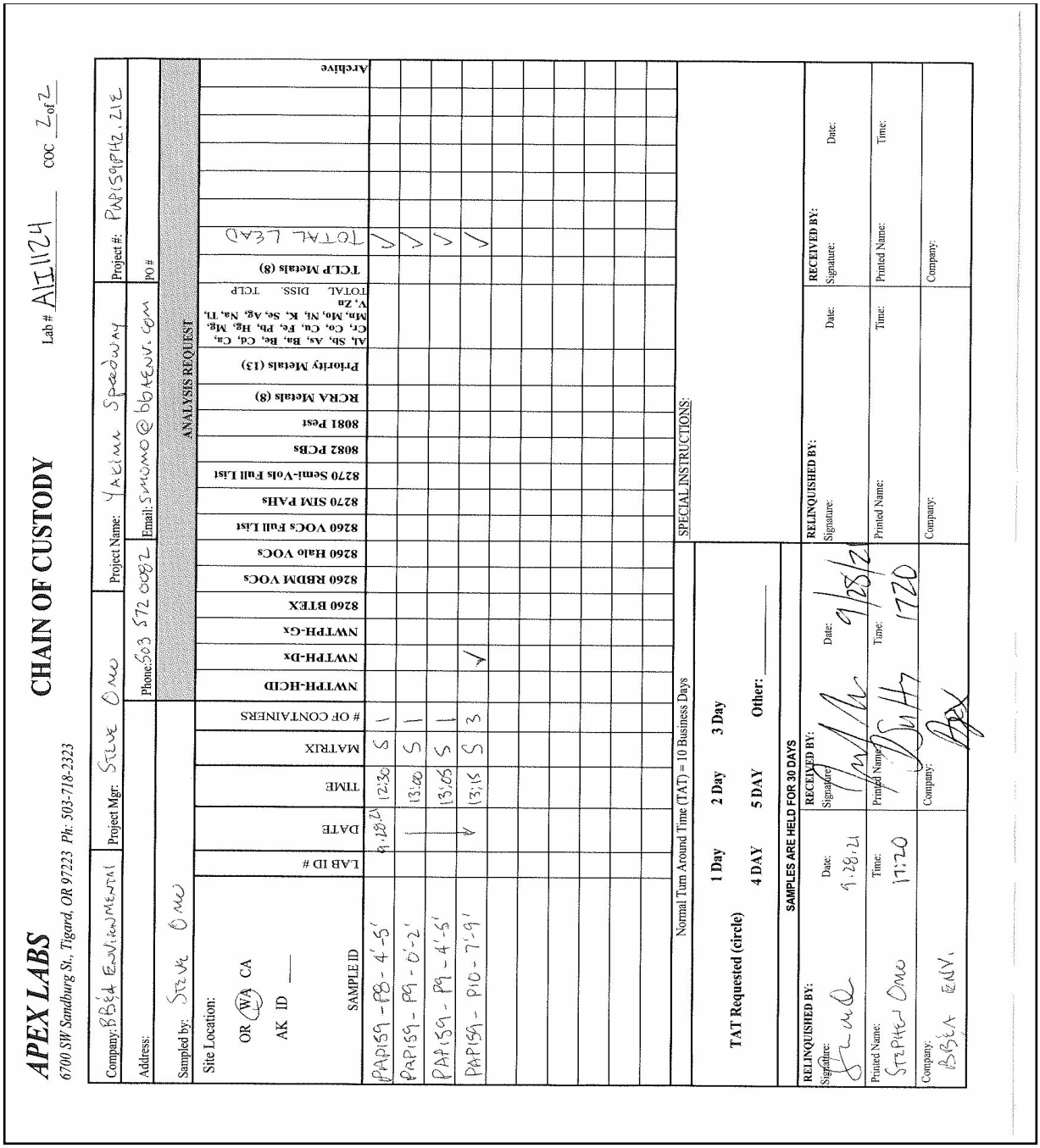

APEX LABS
6700 SW Sandburg St., Tigard, OR 97223 Ph: 503-718-2323

CHAIN OF CUSTODY

Lab # A1I1124 COC 2 of 2

Company: BB&A Environmental | Project Mgr: Steve Omo | Project Name: Yakima Speedway | Project #: PAP159PH2.21E
Address: | Phone: 503 572 0087 | Email: somo@bbaenv.com | PO #
Sampled by: Steve Omo

Site Location: OR (WA) CA AK ID ___

ANALYSIS REQUEST

SAMPLE ID	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	NWTPH-HCID	NWTPH-Dx	NWTPH-Gx	8260 BTEX	8260 RBDM VOCs	8260 Halo VOCs	8260 VOCs Full List	8270 SIM PAHs	8270 Semi-Vols Full List	8082 PCBs	8081 Pest	RCRA Metals (8)	Priority Metals (13)	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Hg, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn TOTAL DISS. TCLP	TCLP Metals (8)	TOTAL LEAD	Archive
PAP159-PB-4'-5'		9.28.21	12:30	S	1															✓	
PAP159-P9-0'-2'			13:00	S	1															✓	
PAP159-P9-4'-5'			13:05	S	1															✓	
PAP159-P10-7'-9'		↓	13:15	S	3		✓													✓	

SPECIAL INSTRUCTIONS:

Normal Turn Around Time (TAT) = 10 Business Days

TAT Requested (circle): 1 Day 2 Day 3 Day 4 DAY 5 DAY Other: ___

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature:	Signature:	Signature:	Signature:
Date: 9.28.21	Date: 9/28/21	Date:	Date:
Time: 17:20	Time: 1720	Time:	Time:
Printed Name: Steve Omo	Printed Name:	Printed Name:	Printed Name:
Company: BB&A ENV.	Company:	Company:	Company:

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Wilsonville, OR 97070	Project Manager: **Steve Omo**	**A1I1124 - 10 11 21 1642**

APEX LABS COOLER RECEIPT FORM

Client: BB&A Environmental Element WO#: A1 I1124

Project/Project #: Yakima Speedway PAP159PH2.21E

Delivery Info:

Date/time received: 9/28/21 @ 1720 By: JS

Delivered by: Apex___Client X ESS___FedEx___UPS___Swift___Senvoy___SDS___Other_____

Cooler Inspection Date/time inspected: 9/28/21 @ 1722 By: JS

Chain of Custody included? Yes X No _____ Custody seals? Yes_____ No X

Signed/dated by client? Yes X No _____

Signed/dated by Apex? Yes X No _____

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	1.8						
Received on ice? (Y/N)	Y						
Temp. blanks? (Y/N)	N						
Ice type: (Gel/Real/Other)	gel						
Condition:	good						

Cooler out of temp? (Y/N) Possible reason why: _____

Green dots applied to out of temperature samples? Yes/No

Out of temperature samples form initiated? Yes/No

Sample Inspection: Date/time inspected: 9/29/21 @ 1410 By: MAS

All samples intact? Yes X No ___ Comments: _____

Bottle labels/COCs agree? Yes ___ No X Comments: PAP159-P8-0'-1': container reads PAP159-P8-0'-2'.

COC/container discrepancies form initiated? Yes ___ No X

Containers/volumes received appropriate for analysis? Yes X No ___ Comments: _____

Do VOA vials have visible headspace? Yes ___ No ___ NA X

Comments _____

Water samples: pH checked: Yes___No___NA X pH appropriate? Yes___No___NA X

Comments: _____

Additional information: _____

Labeled by: MAS Witness: AW Cooler Inspected by: MAS

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