



TGERESOURCES, INC.
*Environmental Consulting,
Engineering and Industrial Hygiene*



Remedial Investigation and Independent Remedial Action Report
Former Payless Auto Mart
29805 Pacific Highway South
Federal Way, King County, Washington
WA Ecology Cleanup Site/Facility ID Nos. – 5427 / 7222592
WA Ecology VCP Project ID No. – NW3270
Lat. 47.33537° / Long. - 122.3126°
King County Parcel No. 042104-9157
TGE Project No.: R13411.07

Prepared for:

MultiCare Health System, a Washington Nonprofit Corporation
315 Martin Luther King Jr. Way
Tacoma, Washington 98415-0299

April 19, 2021

Corporate Headquarters
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Voluntary Cleanup Program

Washington State Department of Ecology Toxics Cleanup Program

REQUEST FOR OPINION FORM

Use this form to request a written opinion on your planned or completed independent remedial action under the Voluntary Cleanup Program (VCP). Attach to this form the plans or reports documenting the remedial action. Please submit only one form for each request.

Step 1: IDENTIFY HAZARDOUS WASTE SITE

Please identify below the hazardous waste site for which you are requesting a written opinion under the VCP. This information may be found on the VCP Agreement.

Facility/Site Name: Former Payless Auto Mart

Facility/Site Address: 29805 Pacific Highway South

Facility/Site No: 7222592

VCP Project No.: NW3270

Step 2: REQUEST WRITTEN OPINION ON PLAN OR REPORT

What type of independent remedial action plan or report are you submitting to Ecology for review under the VCP? Please check all that apply.

- ☐ Remedial investigation plan
- ☒ Remedial investigation report
- ☐ Feasibility study report
- ☐ Property cleanup* plan (* cleanup of one or more parcels located within the Site)
- ☐ Property cleanup* report
- ☐ Site cleanup plan
- ☐ Site cleanup report
- ☐ Other – please specify:

Do you want Ecology to provide you with a written opinion on the planned or completed independent remedial action?

☒ Yes ☐ No

Please note that Ecology's opinion will be limited to:

- Whether the planned or completed remedial action at the site meets the substantive requirements of the Model Toxics Control Act (MTCA), and/or
- Whether further remedial action is necessary at the site under MTCA.

Step 3: REPRESENTATIONS AND SIGNATURE

The undersigned representative of the Customer hereby certifies that he or she is fully authorized to request services from Ecology under the Agreement for this VCP Project.

Name: Tim Crump

Title: Project Manager

Signature: 

Date: 4/19/21

Organization: TGE Resources, Inc.

Mailing address: 8048 Northcourt Road

City: Houston

State: TX

Zip code: 77040

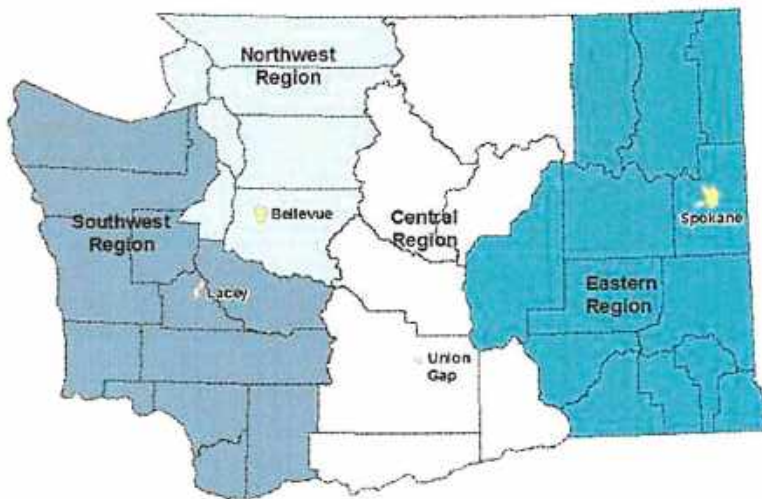
Phone: (713) 744-5817

Fax: (713) 744-5888

E-mail: tecrump@tgeresources.com

Step 4: SUBMITTAL

Please mail your completed form and the independent remedial action plan or report that you are requesting Ecology review to the site manager Ecology assigned to your Site. If a site manager has not yet been assigned, please mail your completed form to the Ecology regional office for the County in which your Site is located.

**Northwest Region:**

Attn: VCP Coordinator
3190 160th Ave. SE
Bellevue, WA 98008-5452

Central Region:

Attn: VCP Coordinator
1250 West Alder St.
Union Gap, WA 98903-0009

Southwest Region:

Attn: VCP Coordinator
P.O. Box 47775
Olympia, WA 98504-7775

Eastern Region:

Attn: VCP Coordinator
N. 4601 Monroe
Spokane WA 99205-1295

If you need this publication in an alternate format, please call the Toxics Cleanup Program at 360-407-7170. Persons with hearing loss can call 711 for Washington Relay Service. Persons with a speech disability can call 877-833-6341.

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TGERESOURCES, INC.

Environmental Consulting, Engineering, Building Sciences, Industrial Hygiene & Remediation
Services

April 19, 2021

MultiCare Health System, a Washington Nonprofit Corporation
315 Martin Luther King Jr. Way
Tacoma, Washington 98415-0299

RE: Remedial Investigation and Independent Remedial Action Report
Former Payless Auto Mart
29805 Pacific Highway South
Federal Way, King County, Washington
WA Ecology Cleanup Site/Facility ID Nos. – 5427 / 7222592
WA Ecology VCP Project ID No. – NW3270
Lat. 47.33537° / Long. - 122.3126°
King County Parcel No. 042104-9157
TGE Project No.: R13411.07

Dear Sir or Madam,

In accordance with TGE Resources, Inc. ("TGE") Proposal No. R13411.07 (Additional Service Request [ASR] No. 19 – 11/11/19), TGE has completed a Remedial Investigation (RI) and Independent Remedial Action (IRA) for the above-referenced Property. The attached report details our scope of services, findings, and recommendations respecting this work and in substantial compliance with the Washington State Department of Ecology's Voluntary Cleanup Program.

We appreciate the opportunity to provide you with these services. Should you have any questions or comments regarding this report or any related matter, please call us at (713) 744-5800.

Sincerely,
TGE Resources, Inc.


Timothy E. Crump, P.G., OPG
Sr. Project Manager
WA P.G. #3210




Robin D. Franks, CHMM, RSO
President

cc: Mr. Andy Ribel – Hillis Clark Martin & Peterson P.S.
Mr. Dudley Carpenter – Emerus Hospital Partners
Mr. Ben M. Mingle – The Centurion Foundation, Inc.
Ms. Trina Tan – MultiCare Health System

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ACRONYMS/ABBREVIATIONS

AAI	All Appropriate Inquiries
AOC	Area of Concern
ARAR	Applicable or Relevant Appropriate Requirement
ASTM	American Society of Testing and Materials
BMP	Best Management Practice
BTEX/MTBE	Benzene, Toluene, Ethylbenzene and Xylenes/Methyl Tertiary Butyl Ether
BER	Business Environmental Risk
CAD	County Appraisal District
CAP	Cleanup Action Plan
CERCLA	Comprehensive Environmental Response, Compensation and Liability Act
CFR	Code of Federal Regulations
CLARC	Cleanup Levels and Risk Calculations
COC	Contaminant of Concern
CREC	Controlled Recognized Environmental Condition
CSM	Conceptual Site Model
CUL	Cleanup Level
DRO	Diesel-range organics
Ecology	Washington State Department of Ecology
EM	Electromagnetic
EPA	U.S. Environmental Protection Agency
EPCRA	Emergency Planning and Community Right to Know Act (a.k.a. SARA Title III)
ESA	Environmental Site Assessment
FBG	Feet Below Grade
FOIA	Freedom of Information Act
FR	Federal Register
FS	Feasibility Study
FT/FT	Feet per foot
FT	Feet
GPM	Gallons Per Minute
GPR	Ground Penetrating Radar
GRO	Gasoline-Range Organics
IC	Institutional Controls
ICLR	Incremental Lifetime Cancer Risk
ID	Inside Diameter
IRAR	Independent Remedial Action Report
LCS/LCSD	Laboratory Control Sample/Laboratory Control Sample Duplicate
LLP	Landowner Liability Protections (under the Brownfields Amendments)
LORP	Level of Required Performance
LQG	Large Quantity Generator
µg/cm ²	Micrograms Per Square Centimeter
µg/m ³	Micrograms Per Cubic Meter
MDL	Method Detection Limit
MG/KG	Milligrams Per Kilogram
MG/L	Milligrams Per Liter
MS/MSD	Matrix Spike/Matrix Spike Duplicate
MTCA	Model Toxics Control Act
NELAP	National Environmental Laboratory Accreditation Program
NFA	No Further Action
NG	Non-Generator
NPL	National Priorities Listing

NSC	Non-Scope Consideration
ORO	Oil-Range Organics
OVM	Organic Vapor Monitor
OSWER	Office of Solid Waste and Emergency Response
PAHs	Polycyclic Aromatic Hydrocarbons
PCBs	Polychlorinated Biphenyls
POC	Pathway of Construction
PPM	Parts Per Million
PVC	Polyvinyl Chloride
PVIC	Potential Vapor Intrusion Condition
PRP	Potentially Responsible Party
QA/QC	Quality Assurance/Quality Control
RAO	Remedial Action Objectives
RCRA	Resource Conservation and Recovery Act
RCW	Revised Code of Washington
REC	Recognized Environmental Condition
RI	Remedial Investigation
RL	Reporting Limit
SOP	Standard Operating Procedures
SQG	Small Quantity Generator
SQL	Sample Quantitation Level
SW	Solid Waste
TGE	TGE Resources, Inc.
TT	Truck Tons
TPH	Total Petroleum Hydrocarbons
USC	United States Code
USGS	United States Geological Survey
UST/LUST	Underground Storage Tank/Leaking Underground Storage Tank
VEC	Vapor Encroachment Condition
VI	Vapor Intrusion
VIA	Vapor Intrusion Assessment
VIC	Vapor Intrusion Condition
VIMS	Vapor Intrusion Mitigation System
VISL	Vapor Intrusion Screening Level
VOC	Volatile Organic Compounds
WAC	Washington Administrative Code
YD3	Cubic Yards

EXECUTIVE SUMMARY

TGE Resources, Inc. (“TGE”) has completed a Remedial Investigation (RI) and Independent Remedial Action (IRA) for a commercial tract that was repurposed to a fully-functioning/operational, short-term hospital currently identified as the “Federal Way Off-Campus Emergency Care Center”, located at 29805 Pacific Highway South in Federal Way, King County, Washington, hereinafter referred to as the “Site” or “Property”. This RI and IRA report was prepared for the Property to summarize characterization assessment and cleanup activities in accordance with Washington Department of Ecology requirements (Washington Administrative Code 173-340-350) and provisions of the State of Washington’s Model Toxics Control Act (MTCA - Chapter 70.105D RCW). Additionally, cleanup activities were conducted to support a Site redevelopment strategy in advance of facility occupancy with the primary goal being responsible risk mitigation for future Site use for healthcare operations.

Environmental impact to Site soil and associated soil vapor was initially identified by due diligence efforts (August 2017 through October 2020) of MultiCare Health System, a Washington Nonprofit Corporation (hereinafter “MHS”). Corrective action measures were warranted with respect to these impacts; and such measures were executed coincident with Property redevelopment. Site redevelopment and coincident Property remediation were initiated on behalf of MHS in May 2020; new construction has been on-going with anticipated completion in April 2021.

A Notification of Release was filed with Ecology on March 3, 2020. With the filing of this notice, Ecology’s Environmental Report Tracking System (ERTS) assigned Cleanup Site ID No. 5427 and Facility ID No. 7222592 to the Property for case tracking. On May 13, 2020, an application for Site entry into the Voluntary Cleanup Program (VCP) was submitted to Ecology with copies of previous environmental assessment reports. Acceptance into the VCP was received on May 14, 2020; the Site was assigned VCP Project ID No. NW3270; and the Property was added to Ecology’s “Confirmed and Suspected Contaminated Site List”.

Corrective action activities were executed for the Site to demonstrate compliance with the State of Washington’s Model Toxics Control Act (Chapter 70.105D RCW). Specifically, the following objectives were met: cleanup levels (CULs) were established; impacts to soil were delineated and impacted soil was removed; derelict subsurface features (sumps, septic tanks and piping) were removed; regulatory requirements/remedial cleanup standards were met; and completion of IRA to support regulatory case closure has been demonstrated.

The redevelopment-driven IRA involved excavation and off-Property disposal of impacted soil. MTCA compliance objectives were met via post-excavation, confirmatory soil sample collection and analyses, which demonstrated attainment with applicable MTCA CULs. In accordance with provisions of MTCA and Ecology guidance, a series of discrete, in-situ soil samples were collected. With the exception of one (1) arsenic confirmation sample, for which the Property attained cleanup objectives under the MTCA “three-part rule” (WAC 173-340-740(7)), these samples did not detect select VOCs, organochlorine pesticides, petroleum hydrocarbons or RCRA metals in excess of the respective MTCA CULs, confirming that Cleanup Action Objectives were attained for the Site.

Given the intended use of the Site and observed use of surrounding property, a vapor intrusion mitigation system (VIMS) was proposed, designed, and constructed during Site redevelopment. Construction oversight was performed by TGE’s Washington State Professional Engineer (PE); components were tested, and installation certified by the PE of record. TGE’s engineer of record validated system integrity and installation compliance. Final inspection of the system was completed on February 2, 2021, during the final stages of building construction. VIMS compliance testing will be conducted by TGE on a quarterly basis for a minimum of one year to demonstrate system effectiveness and to evidence that protective measures have been achieved respecting vapor intrusion risk and attainment of Site Cleanup Objectives.

With achievement of CULs for the Site, the requirements of MTCA have been met such that the Site qualifies for a “no further action” (NFA) designation. The responsible party is committed to ongoing VIMS compliance monitoring and reporting for a time period not less than a year (including four consecutive, quarterly events). However, this system was not installed under state mandate; conversely it was installed with the singular purpose of demonstrating operational and effective (future) risk mitigation on the part of the responsible party for the hospital's future use. Therefore, TGE recommends concurrence on behalf of Ecology that IRA has been performed and that the Site warrants written/conclusive Ecology NFA determination via the VCP at this time.

In addition, upon completion of four consecutive, quarterly events demonstrating an absence of an exposure risk posed by soil vapor intrusion into the newly-constructed Site building, TGE respectfully requests Ecology not require an institutional control be assigned to the Property. Per WAC 173-340-440(4), an institutional control is only required *"to assure both the continued protection of human health and the environment and the integrity of an interim action or cleanup action"*. Upon demonstrating an absence of an exposure risk posed by soil vapor intrusion into the newly-constructed Site building, an environmental covenant for *"long term monitoring and a contingency plan"* as an institutional control will be unwarranted and unnecessary per the provisions of MTCA.

1.0 INTRODUCTION

TGE Resources, Inc., (“TGE”) has completed a Remedial Investigation (RI) and Independent Remedial Action for the property currently identified as “Federal Way Off-Campus Emergency Care Center” (formerly known as “Former Payless Auto Mart”), which is located at 29805 Pacific Highway South in Federal Way, King County, Washington (hereinafter referred to as the “Site” or “Property” (**Figure 1 – Site Location Map**)). The Site is currently being repurposed from a former used auto sales/service/impound lot to a short-stay hospital.

MultiCare Health System, a Washington Nonprofit Corporation (hereinafter “MultiCare” or “MHS”), has taken control of the Site via ground lease. Niklexi LLC (Property Owner) conveyed the Site on March 29, 2019. TGE was retained to undertake due diligence environmental investigations involving the Site (refer to TGE Report No. R13411.01, Phase I ESA [August 17, 2017]; Report No. R13411.02, Limited Phase II ESA [dated September 12, 2017]; and Report No. R13411.04, Supplemental Phase II ESA [dated November 8, 2017]. All referenced reports were submitted to Ecology on May 4, 2020 in advance of submittal of the current document. Pre-ground lease Site characterization investigations were performed in support MHS’s anticipated redevelopment of the parcel (as a hospital). Likewise, work was executed to demonstrate compliance with industry standard practice (ASTM E1527-13 and ASTM E1903-19), which meets requirements of All Appropriate Inquiry (AAI) objectives of the United States Environmental Protection Agency (“USEPA”). Concurrent with the commencement of new development earthwork by MHS, and also during active Site construction, additional Property characterization (testing) was completed by TGE (during 2019/2020).

Unrelated to any environmental consideration respecting the Site, once the Property was under active/new construction (beginning in 2020), MHS included this location in a multi-location transaction involving the sale of the building at the Site. The Site’s ground lease was transferred from MHS to The Centurion Foundation, Inc. (hereinafter the “Foundation”) on June 29, 2020. The Site’s ground lease is held by “CF Federal Way, LLC” and MHS operates the Property under an extended lease agreement. The lease specifies that MHS will retain responsibility for addressing environmental conditions in connection with the Site as compelled by Department of Ecology (“Ecology”).

This IRAR was prepared to summarize characterization assessment and cleanup activities for the Property in accordance with Ecology requirements of Washington Administrative Code (WAC) 173-340-350 and provisions of the State of Washington’s Model Toxics Control Act (MTCA), Chapter 70.105D RCW. Since environmental impacts to Site soil and associated soil vapor were identified by MHS’s prior due diligence process (August 2017 through October 2020), corrective measures were warranted with respect to these impacts. Corrective measures were executed coincident with Property redevelopment as a hospital. Active Site redevelopment and coincident Property remediation was initiated on behalf of MHS in May 2020; new construction has been on-going with anticipated completion in April 2021.

1.1 Purpose/Objectives of the Remedial Investigation and Independent Remedial Action

The purpose of this IRAR is to summarize efforts performed to demonstrate compliance with the State of Washington’s Model Toxics Control Act (Chapter 70.105D RCW) by execution of an appropriate environmental investigation and performance of remedial action at the Site. This IRAR will also demonstrate that work was performed to support the responsible party’s Site redevelopment strategy in advance of facility occupancy, with the primary goal being responsible risk mitigation for future intended Site use for healthcare operations. Specifically, work was performed to remove affected soil and derelict subsurface features (septic tank, sumps and piping); establish appropriate CULs; conduct remedial action to achieve regulatory requirements/cleanup standards; and demonstrate completion of independent

remedial action to support regulatory case closure. During the course of Site-specific remediation and facility-specific mitigation of hazards, TGE performed the following on behalf of MHS:

- characterization and delineation of the nature and extent of soil impact with hazardous substances and/or petroleum products under conditions indicative of a release to the Site;
- review and selection of available response actions in consideration of affected Property (for the MTCA) relevant to possible exposure scenarios; and
- execution of selected response/remedial action(s) in compliance with MTCA to close possible exposure pathways;
- to the extent possible in the current context, establishment of protectiveness regarding human health and the environment specific to hazardous materials and petroleum products encountered during Site redevelopment.

1.2 Site Location and Description

As summarized in the Phase I ESA, and according to King County Appraisal District (CAD) information, the Former Payless Auto Mart Property is currently comprised of a single tract, which encompasses a reported 1.72 acres (74,887 square feet) of land (**Figure 2 – Site Vicinity Map**). Prior to MHS taking responsibility for the Site, the King County Public GIS online map depicted the Property as being comprised of 2 parcels (Nos. 042104-9157 and 042104-9033). Prior to initiation of Site redevelopment in February 2020, the Site parcels were merged into a single parcel (No. 042104-9157) that composes the Site. Refer to **Appendix F – Relevant Documents** for King County assessor information (2017 and 2020). Site-specific details respecting location and legal description are tabulated below.

Site Location				
Site Location	Address	29805 Pacific Highway South, Federal Way, King County, Washington		
	Relative Location	Located along the west side of Pacific Highway South, south of the intersection of S. Dash Point Road and Pacific Highway South.		
Geographic Location	Longitude	- 122.3126°	Latitude	47.33537°
Legal Description	Parcel 042104-9157 (1.72 acres)	"PCL A FEDERAL WAY BLA # 18-102608-00-SU REC # 20190419900003 SD BLA BEING POR SW 1/4 OF NW 1/4 OF SW 1/4 STR 04-21-04"		
Responsible Party Contact	Ms. Tammy Buyok	MultiCare Health System, LLC 315 Martin Luther King Jr. Way, MS 870-7-PSR Tacoma, Washington 98405 tbuyok@multicare.org		
Consultant Contact	Mr. Timothy E. Crump, P.G.	TGE Resources, Inc. 8048 Northcourt Road Houston, Texas 77040 tecrump@tgeresources.com		

1.3 Environmentally Significant Prior Site Use

As discussed below (Section 1.4), the Property was owned by private individuals from at least 1976, until transfer from Ms. Ruth Murphy Evans (in 1985) to a trustee, “Bank of California Trustee under Living Trust of Ruth Murphy Evans”. In 2001, the Property was sold by Union Bank to American Drug Stores, Inc., to private individuals in 2002 and 2005, and to the current owner (Nixlexi LLC) in 2007. Since 2007 the Property has operated as a used car sales/repair facility (Payless Auto Mart) and a repossession and impound lot (portions controlled by the federal government). It is likely that historical occupants used and possibly stored hazardous materials and petroleum products at the Site, which may have included pesticides, herbicides, and hydrocarbons (diesel/gasoline fuel and oils). It is also likely that previous occupants generated production wastes and would have (from time to time) required disposal of process wastes at or from the Site.

1.4 Zoning & Intended Site Use

Current and reasonably anticipated future use of the Site and surrounding land (per online King County zoning information) is “combined mixed-use” (commercial/residential) within the city limits of Federal Way, Washington (Federal Way is within an unincorporated area of King County, Washington (**Figure 2 – Site Vicinity Map**)). More specifically, the Site area is designated General Commercial for “*auto-oriented commercial areas that provide a range of retail and services to the surrounding neighborhoods and the larger community or region.*” Per County Code (Title 21A.08.050), “General services land uses” (hospitals) are a Permitted use within commercial/industrial areas (**Figure 3 – Site Zoning Map**).

1.5 Adjacent Land Use

Below is a tabulated current/historical use summary for adjoining land as observed and documented as part of MHS’s Property due diligence. The ESAs, dated August 17, 2017 and June 23, 2020, respectively, are provided for reference within **Appendix H** of this report.

Address	Occupant Information per Local Street Directories (Year)	Description
North		
29625 Pacific Highway South	Dean’s Union (1972); Jump’s Union (1977); Not listed (1985-2010); Shell Mini Mart (2010); and Not listed (2014-2017)	Dash Point Road South has bound the northern Site limits since at least the 1940s. Per State file information reviewed, adjoining land north of Dash Point Road operated as a fueling/service station with concurrent use of underground storage tanks (USTs) since at least the mid-1930s. Initial fuel USTs were reportedly removed from the ground in 1989 and a second tank system installed. At the time of tank removal, a release of petroleum hydrocarbon (impacted soil) was reported; a second tank system was also removed in 1991. Adjoining land north apparently remained vacant until redevelopment as a Shell (branded) fueling station in the mid-1990s (current improvements).
1530 South Dash Point Road	Not listed (1972); Lee R Harris DVM (1977, 2000-2017); and Sacajawea Healthcare for Pets/Veterinary Clinic (1977, 1992-2017)	Based on review of historic resources, adjoining land northwest was vacant unimproved land in 1943. By 1957, land north was associated with a gravel pit/quarry (to the south). Adjoining land north has remained commercially developed as a veterinary clinic through present day.

East		
29645 18 th Avenue South	Address not researched	Based on review of historic aerial photographs and previous reports by others, Pacific Highway South has bound the eastern Site limits since at least the 1920s. Adjoining land east of Pacific Highway appeared to be forested per aerial photographs from the 1940s through the 1980s, with development of current apartment buildings by 1990. Since initial development, adjoining land east has been in use for multi-family occupancy.
South		
29815 Pacific Highway South	Not listed (1972-1981); Federal Way Motel (1985-2017); and Cheap Heating and Air Conditioning (2017)	Abutting land south was forested land from at least the 1940s until commercial development of the Federal Way Motel by the mid-1980s (per aerial photograph review). Based on Site reconnaissance, adjoining land south remains in operation as the Federal Way Motel.
West		
1401 South Dash Point Road	Not listed (1972-2017)	Per historic aerial photographs and/or topographic maps from the 1940s through the 1970s, S. 16th has bound the western Site limits since at least the 1940s. Adjoining land beyond S. 16th was utilized as a gravel pit/quarry until redeveloped as a school; as well as Sacajawea Park by at least 1978 (current improvements). Prior reports (and current regulatory data) suggest this park is "Redondo Oil Pit".

Adjacent property use is depicted for reference upon **Figure 2**.

1.6 Historical and Current Property Use

Address	Occupant Information per Local Street Directories (Year)	Description
Site		
29805 & 29651 Pacific Highway South	U-Haul Co (1972); Ryder Truck Rental (1977-1981); Green Connection (1992-2000); Rental Marts (1972-1995); 40 Rental Homeowners/ Penske Truck Leasing (1995-2000); Forte Rentals Way North (2000); Western International Recovery Bureau (2010-2017); and Payless Auto Mart, Auto Repair, and WIRB Inc. (2014-2017)	Based on review of previous Phase I and Phase II reports (prepared by others and included within the 2017 and 2020 Phase I ESAs prepared by TGE), the eastern portion of the Property was developed as a fueling station/restaurant in the 1920s with historic use of USTs. The historic fueling station/restaurant reportedly ceased operation by the late 1960s and the former structure was demolished. However, four USTs, a septic system, and a basement level (automotive repair area) were discovered in connection with the former fueling station structure; these improvements were removed (excavated) in 1993 and 2000. During excavation, petroleum impacted soil was reported to the State (under its LUST/VCP program). This finding/condition reached case closure concurrence in 2001. Per historical aerial photographs from the 1940s to the 1950s, the southern and western portions of the Property appeared to have been largely undeveloped. However, a historic topographic map dated 1956 depicts the western Site limits and adjoining land west with “depressions”. An unpaved road traversing southeast from the northern Site limits terminated within the southeast Site limits per a 1965 aerial photograph, and denuded soil and/or cleared land is evident within the Site. Likewise, surface cover had been removed and/or Site grading performed per this 1968 aerial photograph. The current subject building was constructed within the southern portion of the Property in the late 1960s/early 1970s; it initially operated as “Rental Mart” (an equipment rental/repair facility). Rental Mart historically operated with at least one diesel UST and dispenser, which were recorded as removed from the ground in 1993. Figures provided within prior ESA reports indicated the presence of a historic septic system, sumps, and former hazardous materials storage areas in connection with the subject building. A “greenhouse” (and associated structures) was identified per historical resources/files during the early 1990s (removed by 2000) within the northwest portion of the Site. Per a 2000 Phase I ESA prepared by others, Rental Mart ceased operation within the Property limits in the late 1990s; the Property was vacant at the time of the prior assessment. Per city directory publications, the Property operated as “United Rentals” during at least 2001 and “Fort Inc.” in 2007.

1.7 Phase I ESA Findings, Opinion, Conclusions, and Recommendations

A pre-redevelopment Phase I ESA (dated August 17, 2017) was prepared in compliance with industry standard practice (ASTM E1527-13) and consistent with requirements of All Appropriate Inquiry (AAI) objectives of the USEPA under the Comprehensive Environmental Response, Compensation and Liability Act (or "CERCLA"). Pursuant to the referenced Phase I ESA, the outcome of this work was to identify *Recognized Environmental Conditions* ("RECs"); *Controlled Recognized Environmental Conditions* ("CRECs"); *Historical Recognized Environmental Conditions* ("HRECs"); and (of far lesser consequence) *"de minimis conditions"* (as defined per ASTM E1527-13). Following is a summary of the ESA as taken directly from the document.

Finding	Opinion
Historic Site use from the 1920s through 2017 that involved retail fuel storage and sales; auto repair/service/vehicle holding; equipment rental/repair/service; a greenhouse operation; and placement of fill with unknown character – all of which included either recorded and/or inferred use of hazardous substances and/or petroleum products with the potential to adversely impact the Site.	Summarized historic Site use; an absence of details specific to final removal of likely sub-slab waste holding units (tanks, sumps, separators, septic systems, etc.); the unknown presence of fuel storage tanks, tank piping systems, and other operational equipment; as well as the presence of non-characterized fill across the Site (which may be located within Client's proposed pathway of new construction) represent a cumulative REC in connection with the Property.
Per regulatory records reviewed, adjoining land north has operated as a fueling station since at least the mid-1930s with concurrent use of USTs. In addition, land within 350 feet northwest of the Site has operated as a dry cleaning facility (for at least 13 years).	Prior/current near Property use is a REC in connection with the Site.
Historic use of adjoining land west as a gravel pit/quarry from at least the 1940s through the 1980s.	Given an absence of information regarding operations and closure (reclamation/backfill) of the quarry/borrow pit, which may have included landfilling of materials of unknown character and possible hazardous materials/hazardous waste management, as well as an open cleanup site identified ("Redondo Oil Pit"), historic operation of adjoining land west is a REC in connection with the Property.

Pursuant to RECs as summarized herein, the following Conclusions and Recommendations were provided in the ESA.

Conclusion	Recommendation(s)
Past and current Site operations, as well as operations in the Site vicinity (retail fuel operation, dry cleaner, and quarry/borrow pit) over the preceding 60 years may have resulted in a past release of hazardous substances and/or petroleum products to the Site.	Complete the AAI Phase I investigative process via performance of Site soil, soil vapor, and/or groundwater testing to characterize the Site for evidence of hazardous substances and/or petroleum products releases to the Property.

TGE also noted the following non-scope business environmental risks (BERs), given past recorded use of the Property.

Non-Scope BER	Recommendation
The suspect/presumed presence of asbestos within building materials at the Property.	The performance of an asbestos survey sufficient to characterize building materials such that the materials may be managed in place or removed in accordance with applicable local, state and federal law prior to any renovation and/or demolition.
The observed presence of suspect lead-based paint in poor (peeling) condition within bays.	The performance of an asbestos and lead-based paint survey sufficient to characterize building materials such that the materials may be managed in place or removed in accordance with applicable local, state and federal law prior to any renovation and/or demolition of the Site building.

2.0 PHYSICAL SETTING

2.1 Property and Surrounding Area

Also within the context of the Phase I ESA, the most current Topographic Map inclusive of the Property was obtained (**Figure 1**). TGE also obtained useful sources to provide information about the geologic, hydrogeologic, hydrologic, and topographic characteristics of the Site; relevant information is summarized below.

Physiography	
Elevation	Approximately 426 feet above mean sea level.
Topographic Gradient	Published natural surface drainage for the area is toward the northwest.
Closest natural surface water body	Per published topographic map information, unnamed creek, located approximately 1,000 feet north of the Property.

Flood Zone	
Flood Zone Designation	"Zone X - unshaded" – Area determined to be outside the 500 year flood plain in an area designated as a "low flood risk."

2.2 Soil Characteristics

Soil Characteristics	
Type	Alderwood gravelly sandy loam, 8 to 15 percent (AgC).
Description	Site soil(s) are not listed as "hydric soils" within the U.S. Department of Agriculture-Natural Resources Conservation Service Hydric Soils List for King County. Alderwood soil is a very gravelly sandy loam described as being comprised of 85 percent Alderwood soil and 15 percent minor component soils. Specifically, Alderwood gravelly sandy loam is found on shoulder or footslope of ridges and hills with glacial drift and/or glacial outwash over dense glaciomarine deposits as parent material. The typical soil profile is composed of gravelly sandy loam at the ground surface that is underlain by very gravelly sandy loam to 59-inches feet below grade.

2.3 Geologic Conditions

2.3.1 Regional and Site Geology

Geology	
Regional	The Site vicinity is located in the Puget Sound lowlands and western foothills of the Cascade Mountain Range (Figure 8 – Regional Geology Map). Bedrock for the region consists of greater than 11,000 feet of Eocene to Miocene sedimentary and igneous rocks of the Puget Group and the Ohanapecosh Formation. Surface stratigraphy in the study area is primarily tied to Pleistocene-aged deposits during the Vashon Stade of the Frasier Glaciation. This period of glacial retreat (the Vashon) occurred approximately 10,000 years ago with a terminus 12 miles south of Olympia, Washington. Glacial advances left large deposits of till and drift with interspersed areas of post-glacial volcanic activity (e.g., Ocoela mudflow).
Formation	The Site appears to overlie Pleistocene-aged recessional outwash (glacial) deposits (Qgo).
Description	Recessional outwash (Qgo) is comprised of silt, clay, sand, and gravel deposited by glacial meltwater. Deposits are variably sorted, loose to compact in consistency, and are massive to well stratified with horizontal to steeply dipping beds that form drumlins, eskers, kettles, kames, and deltas.
Fault Lines	Fault lines were not researched/available from publicly available/reasonably ascertainable sources for the Site or within the Property vicinity, nor viewed as being material to this investigation/report.

2.3.2 Regional and Site Hydrogeology / Hydrology

Hydrogeology / Hydrology	
Regional Aquifer	The Site is located within the area of the Puget-Willamette Trough Regional Aquifer, an elongated basin system extending from the Canadian border to central Oregon. Unconsolidated aquifer deposits can be as much as 3,000 feet thick (near Seattle) and are comprised of discontinuous lenses of sands and gravels deposited by glaciers and associated melt waters deposited during at least four continental glacial/interglacial periods. Per the King County Groundwater Protection Program, the Site is located within an area of high susceptibility to groundwater contamination, but has not yet been determined to be within a Critical Aquifer Recharge Area (CARA). Two of the local aquifer units documented within South King County that are within the larger regional Puget-Willamette Trough Regional Aquifer are the Vashon advance outwash (Qva) and the coarse, saturated outwash deposits of drift sediments (Q[A]c). The drift sediments unit (Q[A]c) is up to 200 feet thick and comprised of permeable, saturated, coarse deposits with irregularly placed clay and silt lenses found within the second glacial drift sequence below land surface. The Vashon advance outwash (Qva) unit consists of moderately well-sorted sand and gravel resulting from the advance outwash deposits of the Fraser Glaciation. The top of the Qva unit is generally within 100 feet of land surface and ranges in thickness from 0 to approximately 200 feet. As per the King County Groundwater Protection Program, the Site is located within an area where the Qva and Q(A)c aquifers, which are in direct hydraulic connection and function as one aquifer.

Hydrogeology / Hydrology	
Hydrogeologic Gradient and Estimated Depth to Groundwater	Based on review of publicly available and reasonably ascertainable documents (topographic maps, state well reports, and/or subsurface investigations conducted within the Site or immediate vicinity by TGE or others) the known or inferred hydrogeologic gradient is toward the northwest. Known or inferred depth to groundwater is greater than 100 feet below grade (fbg), based on findings of TGE's Supplemental Phase II ESA (TGE Report No. R13411.04 - November 2017).
Hydrology	Federal Way, Washington lies within the Green-Duwamish River watershed, which includes a drainage area of varied terrain and land use from forested headwater areas at the crest of the Cascade Mountains to the industrial and port facilities of the Duwamish estuary. The watershed includes Black River, Springbrook Creek, Mill Creek, Soos Creek, Jenkins and Covington Creeks, Newaukum Creek, and Crisp Creek, as well as other associated tributaries. The Green-Duwamish Watershed (trending from the northwest to the southeast corner of King County) is approximately 93 miles long and covers an area of nearly 500 square miles. Average annual rainfall is reported to be 41 inches, with 65 percent of yearly precipitation received between the months of October and March. Stormwater runoff and hydrologic response from drainage basins in the Federal Way region are characterized by a long winter, wet season, and peak runoff resulting from multiple concurrent days of precipitation. Planned Site redevelopment (as discussed in later sections of this and other follow-on Owner-authorized reports) incorporates stormwater runoff management with the construction/installation of a stormwater detention pond.

2.4 Water Well Survey

Given findings of environmental impact to Site media, TGE conducted a water well search to locate all recorded private and public water wells within a one-half mile Site radius (**Figure 5 – Water Well Search Map**). One (1) irrigation well, two (2) public supply wells, and two (2) groundwater monitor wells were identified through a review of the Washington State Well Report Viewer database (**Appendix C**). No existing/current public supply wells were identified within a one-half mile radius of the Property.

A public supply water well was identified within the Washington State Well Report Viewer database as being positioned approximately 2,400 feet southwest of the affected Property. As provided in the Water Well Report, the well is owned by King County Water District and was installed in March 1960 to a reported depth of 355 feet. The recorded owner of this well (King County Water District #64) no longer operates within King County. As such, the next closest King County Water District (Highline Water District) was contacted. Mr. John Seibel (Operations Supervisor) confirmed there were no records for the referenced well within current district limits and recommended contacting Lakehaven Water & Sewer District, given the address of the well (as provided in the Ecology Water Well Viewer) plotted as being located within the limits of Lakehaven district. Mr. Tim Osborne (Water Operations Manager with the Lakehaven Water & Sewer District) confirmed there were no existing records for this well. As such, location and status details remain unavailable.

A public supply water well was identified within the Washington State Well Report Viewer database as positioned approximately 1,375 feet southwest of the affected Property. As provided in the Water Well Report, the well is owned by the City of Bonney Lake and was installed in April 1999 to a depth of 306 feet. Per a City of Bonney Lake Public Works Waste Manager, the operating public supply well is actually located

at 1110 182nd Avenue East in Bonney Lake, Washington (actual location approximately 11 miles southeast of the Site). Additional public supply water wells were not identified within a ¼-mile Site radius.

One private (domestic) water well was identified within the Washington State Well Report Viewer database as being positioned approximately 2,200 feet southeast of the affected Property. The current recorded owner (as per the Water Well Report) is Mr. Eugene Hahn. On March 13, 2020, the property of record was visited by TGE; per Mr. Hahn, the water well (drilled in March 2011) is used exclusively as an irrigation well and was drilled to a depth of 303 feet. Additional domestic water wells were not identified within the 1/4-mile Site radius.

Two water wells (likely misclassified groundwater monitor wells) were identified within the Washington State Well Report Viewer database within ½-mile of the Property. The Washington State Well Report Viewer database identified one well as being positioned approximately 2,150 feet northeast of the Site. The recorded owner (per the Water Well Report) is “Texaco Station Federal Way”, and the well was reportedly installed to a depth of 40 fbg on June 16, 1992. The address of record was visited by TGE on March 13, 2020 and observed to be a vacant lot. Review of historical aerial photographs confirmed the location previously operated as an automobile fueling station until associated structures were razed in 2011. A second water well was identified within the Washington State Well Report Viewer database as being positioned approximately 673 feet east of the Site. The well (reportedly owned by Exxon) was drilled to a depth of 55 fbg in October 1990. Review of the associated well report confirmed the well location was approximately three miles southwest of the Site (1650 SW Dash Point Road) at a Chevron fueling station.

No surface indication of current/former wells was observed during the field receptor survey completed by TGE. Additional water wells were not identified within the 1/4-mile Site radius.

Well No.	Well Owner Name of Record	Approx. Distance from Affected Property* (ft.)	Latitude*	Longitude*	Total Depth (ft)	Screened Interval (ft)	Date Drilled	Current/Former Water Use
348668	King County Water District #64	2,400 (cross-gradient)	47.331357	-122.321313	325	314 to 324	5/28/56	Public Supply (likely closed)
191384	City of Bonney Lake	1,375 (cross-gradient)	47.331397	-122.315944	301	273 to 296	3/24/99	Public Supply
715625	Eugene Hahn	2,200 (up-gradient)	47.331259	-122.305286	303	Not reported	3/10/11	Irrigation
103257	Exxon	637 (cross-gradient)	47.334779	-122.315822	55	40 to 55	10/25/90	Groundwater Monitor Well
107822	Texaco	2,143 (cross-gradient)	47.34161	-122.310501	40	15 to 40	6/16/92	Groundwater Monitor Well

*Approximate distance from Affected Property as reported within the Washington State Well Report Viewer.

All investigated water wells are located at distances greater than 1,000 feet from the affected Site/Areas of Concern (AOC).

3.0 PRELIMINARY SITE INVESTIGATIONS

Pursuant to environmental due diligence practice typical of commercial property transactions, and to support requirements for repurposing the Property for healthcare use, TGE conducted two preliminary investigations at the Site between August, 2017 and March, 2019. This work was designed to identify affected property related to the RECs identified in the Phase I ESA and included characterization of pathway-of-construction (POC) soil/fill material in areas slated for intended excavation/disturbance. Additionally, a surface soil characterization event was conducted by Environmental Associates, Inc. ("EAI" - the landowner's environmental consultant) in August 2018, during which TGE collected "split" samples of Site soil. Findings of these assessments are summarized below.

- Laboratory analysis of soil samples reported concentrations of total chromium in excess of the Ecology MTCA Method A screening limit; however, subsequent sample analysis for chromium speciation established that hexavalent chromium was not detected in excess of the limits of laboratory quantitation (i.e., "non-detect"). Therefore, total chromium concentrations (as reported) were concluded to be trivalent chromium with values well below the applicable MTCA Method A Unrestricted Land Use Cleanup Level.
- NWTPH-Dx was reported at a concentration of 559 mg/kg at a depth of 3 fbg in boring "SB11" (within the proposed hospital footprint), which exceeded the MTCA Terrestrial Ecological Evaluation (TEE) screening value of 460 mg/kg.
- NWTPH-Gx and/or VOCs in Site soil samples were reported by the analytical laboratory at concentrations not in excess of laboratory detection limits and/or respective Ecology screening limits, as set forth within the MTCA regulation/statute.
- Respecting RCRA metals, arsenic was reported at a concentration of 81.7 mg/kg at a depth of 4 fbg in boring "B3", which exceeded the Ecology MTCA Method A screening value of 20 mg/kg.
- Soil vapor collected within the planned building location and within potential historical areas of concern found VOC analytes acrolein, benzene, 1,3-butadiene, chloroform, ethylene dibromide (EDB), naphthalene, tetrachloroethylene (PCE), and trichloroethylene (TCE). These VOCs were reported at concentrations that exceeded applicable MTCA Method B screening levels. TGE established that elevated soil vapor concentrations likely resulted from historical use of the Site in retail fuel sales/storage, automobile repair/service, and vehicle impounding.
- Fill material ranged in relative thickness at the Site from approximately 7.5 feet to 11.5 feet across the majority of Site areas surveyed.

Assessment sample locations are depicted for reference on **Figure 6 and Figure 7**. Soil boring logs describing sediments encountered during invasive Site characterization are presented in **Appendix D – Soil Boring Logs**. Soil strata from Site borings were compiled into three cross-sectional views (A – A', B – B' and C – C') and are presented on **Figure 18 through Figure 20**. Pre-purchase, due diligence Phase II assessment reports were previously submitted to Ecology and are attached to this document for reference (**Appendix H**).

4.0 SOIL DELINEATION/WASTE CHARACTERIZATION INVESTIGATION

4.1 Pre-Construction Local Delineation

Additional soil/fill material characterization studies were conducted by TGE from November 2019 through October 2020 to advance Soil Management Plan objectives for the earthwork contractor (in preparation of constructing the building's new pad), to profile material for landfill disposal, and to further document completion of impacted soil removal for purposes of regulatory case closure approval. TGE advanced a series of shallow soil borings (designated SB-13 through SB-78) for laboratory analysis. Additionally, in January 2020 TGE supervised the excavation/removal of three sumps and associated piping from the former Site building and collected confirmation samples, post sump excavation. Findings from the referenced soil assessment/profiling is summarized below.

- RCRA metal chromium was reported in thirteen (13) characterization soil samples in excess of the applicable MTCA Method A Unrestricted Land Use Cleanup Level; however, subsequent sample analysis for chromium speciation established that hexavalent chromium was not detected in excess of the limits of laboratory quantitation (i.e., "non-detect") with the exception of the soil sample collected along the eastern sidewall of Bay 1 Sump at a depth of 4 fbg ("Bay 1 East Sidewall"). Hexavalent chromium in this sample was reported at 18.9 mg/kg, which slightly exceeded the screening level of 18 mg/kg. Remaining total chromium soil sample concentrations (as reported) were concluded to be trivalent chromium with values well below the applicable MTCA Method A Unrestricted Land Use Cleanup Level.
- RCRA metal selenium was reported for one (1) characterization composite soil sample in excess of the MTCA TEE screening value; however, as documented herein, this sample ("SB63[0-3]") was collected at a depth of 0-3 fbg and was located within the newly installed detention pond (excavated to a depth of approximately 8 fbg). Selenium within the vertical delineation sample collected at this location (from 4-6 fbg) was well below the applicable MTCA TEE screening value of 0.8 mg/kg.
- Respecting RCRA metals, arsenic was reported in soil at borings "SB-15", "SB-15B", "SB-24", "SB-30" through "SB-35", "SB-38", "SB-58", "SB-72" and "SB76" at concentrations ranging from 20.7 mg/kg to 338 mg/kg, which exceed the Ecology MTCA Method A screening value of 20 mg/kg for arsenic.
- Cadmium and lead were reported in soil borings "SB-21", "SB-26", "SB-30", "SB-31", "SB-35", "SB-40" and "SB-54" at concentrations above the soil protective of groundwater vadose screening level (0.69 mg/kg) for cadmium and/or the MTCA TEE screening value (220 mg/kg) for lead.
- Petroleum hydrocarbons (specifically NWTPH-Gx and NWTPH Dx) were found in soil above the Ecology MTCA Method A screening value (2,000 mg/kg) and/or applicable MTCA NWTPH-Dx TEE screening value (460 mg/kg) in soil borings "SB-11", "SB-14A", "SB-14B", "SB-15", "SB-15A", "SB-15B", "SB-17", "SB-17C", and "SB-20".
- VOCs in Site soil samples were reported by the analytical laboratory at concentrations not in excess of laboratory detection limits and/or respective Ecology screening limits, with the exception of 1,1,2,2-tetrachloroethane (1,1,2,2-TCA) within soil boring "SB-21", as set forth per MTCA regulation/statute.
- The organochlorine pesticide dieldrin was reported in soil at borings "SB-30", "SB-31", and "SB-33" (location of the former greenhouse) at concentrations above the Ecology soil protective of groundwater vadose screening level (0.003 mg/kg).

4.2 Field Methodology

During drilling operations and advancement of shallow soil borings, sediments encountered were logged and classified in accordance with the Unified Soil Classification System and the ASTM Standard D2488-90, Standard Practice for Description and Identification of Soils (Visual-Manual Procedure). TGE personnel used an OVM to qualitatively identify the presence (if any) of total VOCs in Site sediments as the bore holes were logged. OVM readings were recorded in units of ppm total VOCs and are included on field boring logs (**Appendix D – Soil Boring Logs**). Soil strata from Site borings were compiled into three cross-sectional views (A – A', B – B' and C – C') and are presented on **Figure 18** through **Figure 20**.

Gross hydrocarbon odor was not realized (nor was olfactory evidence found suggesting contamination) in ambient air monitored in the work zone during field activities. For each boring, TGE's field processes dictated selection of soils for laboratory testing if recognizable environmental impact was found. Obvious impact was not apparent (no elevated OVM readings), especially in the case of low level RCRA metal and organochlorine delineation. TGE also collected contingency samples for lateral and vertical COC delineation. TGE's sampling protocol included use of the USEPA 5035A sampling process for VOCs and close adherence to USEPA SW 846 guidance, as well as reference to TGE's corporate SOP. Specifically, soil samples were collected in properly decontaminated (or single-use) samplers and placed into sterile, glass containers provided by the contract laboratory for "Closed-System Purge-and-Trap and Extraction", or in a manner that minimized available "head space" within the container. Laboratory quantitation limits for parameters tested are included on the laboratory reports and comply with USEPA SW-846 criteria. Appreciable OVM responses and/or physical evidence (i.e., a solvent or hydrocarbon odor or appearance) was not found in soil headspace samples collected from the boreholes and excavation zones. Sampling equipment was decontaminated before completing each borehole.

4.3 Removal of Subsurface Features

After the discovery of the previously-identified subsurface features at the Site, the apparent sumps and associated piping were excavated on January 29 and 30, 2020. Inspection of the sumps found them to be of steel construction with approximate capacities of 500 gallons (Bay 1 Sump), 950 gallons (Bay 3 Sump) and 200 gallons (Exterior Sump). Tank contents collected from the exterior sump and Bay 1 sump appeared to be an oil/water mixture; the Bay 3 Sump was void of liquids. Upon removal of tank contents by a licensed third party contractor, the sump bases appeared intact.

The sumps were fully excavated and removed from the ground for proper disposal at an approved/permited recycling facility. Post-excavation confirmation samples were collected from the base and sidewalls of the excavation zone for each sump. Additionally, a sample (two (2) feet below the base of the excavation) was collected from Bay 3 Sump due to elevated field readings. Analysis of sump removal confirmation samples documented the presence of elevated levels of TPH (NWTPX-Dx), and RCRA metals arsenic, lead, and chromium in excess of laboratory detection limits and/or respective MTCA screening levels, with the exception of those analytes tabulated in this report section.

In conjunction with sump removal, TGE noted that subsurface piping extended from the exterior sump eastward into surface soils of Bay 4; this piping was excavated/removed. Following removal, a series of three (3) soil samples (designated "Sump Line Midpoint"; "Sump Line Midpoint 2' Below Base"; and "Bay 4 Sump Line End") were collected along the excavation trend (**Figure 6**). TPH (NWTPH-GX and NWTPH-Dx), VOCs, and RCRA-8 metals analyses were performed for these soil samples. Resulting analytical laboratory data reported elevated concentrations of total chromium; however, subsequent sample analysis for chromium speciation established that hexavalent chromium was not reported in excess of the limits of laboratory quantitation (i.e. "non-detect"). Remaining total chromium results (as reported) established the presence of trivalent chromium, with values well below applicable MTCA screening levels (**Table 3 – Sump Removal Analytical Results**).

Sump and Associated Piping Excavation Zone Data								
Analysis	Arsenic	Lead	Total Chromium	Trivalent Chromium	Hexavalent Chromium	Diesel Range Organics	Oil Range Organics	
MTCA Method A Screening Level	20	250	NL	19	2,000	2,000	2,000	
MTCA Simplified TEE Screening Level	20	220	42	NL	NL	460	NL	
MTCA Soil Protective of Groundwater Screening Level	2.9	3,000	NL	480,000	18	NL	NL	
Sample Location	Depth (fbg)	Reported Site Concentration						
BAY 1 SUMP BASE	4	8.66	101	44.2	NT	NT	39.9	80.6
BAY 1 SUMP E SIDEWALL	4	3.8	239	76.9	58	18.9	14.1	51.2
BAY 1 SUMP S SIDEWALL	4	3.4	212	73.9	NT	NT	14.3	49.4
BAY 3 SUMP BASE	5	11.5	61.7	40.4	NT	NT	2,470	5,350
BAY 3 SUMP 2 FT BELOW BASE	7	NT	NT	NT	NT	NT	1600	1750
EXT SUMP S SIDEWALL	3	54.8	50.7	28.1	NT	NT	4.47J	12.3
SUMP LINE MIDPOINT	1	8.24	94.5	52.8	52.8	<0.983	60.7	190
Note: Any bold/highlighted type represents concentrations in excess of applicable Ecology screening levels, as established within RCW Title 70 §70.105D and WAC Title §173-340 to §173-700.								

Based on initial soil sample data, four areas (Bay 1 Sump at 4 fbg; Bay 3 Sump at 7 fbg; Exterior Sump at 3 fbg; and Sump Line Midpoint at 1 fbg) required over-excavation and re-sampling in conjunction with the IRA detailed herein (**Section 7.0**).

Analytical results from laboratory analysis of Site soil samples are summarized in **Table 1** through **Table 3**, **Table 7** and **Table 8** and associated laboratory data reports (with chain-of-custody documentation) are provided for reference in **Appendix E**.

4.4 Areas of Concern

Findings from the August 2017 through October 2020 soil/fill material investigation and excavation of previously buried historic development features were used to determine pre-assessment estimates for the affected property (AOC), and to more specifically delineate the lateral and vertical extent of environmental impact in excess of MTCA Method A CULs, MTCA TEE CULs, and/or Soil Protective of Groundwater CULs. Regulated soil/fill material (all of which were apparently related to historic on-Site structures/operations) was identified within the following areas:

- RCRA metals (arsenic, cadmium, and lead) were found in fill soil in excess of applicable MTCA CULs in the following areas:
 - o "SB-34" and "SB-58" (included within "Area A1");
 - o "SB-32" and "SB-72" (designated as "Area A3");
 - o "SB-35" (included within "Area A4");
 - o "SB-38" (included within "Area A5");
 - o "SB-30" and "SB-31" (designated as "Area A6");
 - o "SB-33" (included within "Area A7");

- o "SB-15" and "SB-15B" (designated as "Area B1");
 - o "SB-21" (designated as "Area C3");
 - o "SB-17C" (included within "Area C4");
 - o "SB-24" (designated as "Area D");
 - o "SB-26" and "SB-40" (designated as "Area E1");
 - o "SB-54" (designated as "Area E2");
 - o "Bay 1 Sump" and "Exterior Sump" (designated as "Area F1"); and
 - o "Sump Line Midpoint" (designated as "Area F3").
- Laboratory analysis of soil samples collected from "SB-17A", "SB-17C", "SB-17E", "SB-21", "SB-23", "SB-30", "Bay 1 Sump Base", "Bay 1 Sump S. Sidewall" and "Sump Line Midpoint" reported concentrations of total chromium in excess of the Ecology MTCA Method A screening limit. However, subsequent sample analysis for chromium speciation established that hexavalent chromium was not detected in excess of the limits of laboratory quantitation (i.e., "non-detect"). Therefore, total chromium concentrations (as reported) were established to be trivalent chromium, with values well below the applicable MTCA Method A Unrestricted Land Use Cleanup Level.
 - Hexavalent chromium was identified in a surface soil sample collected from "Bay 1 Sump E. Sidewall" (designated as "Area F1") at a depth of 4 fbg.
 - RCRA metal selenium was reported for the detention pond characterization composite soil sample "SB-63" in excess of the MTCA TEE screening value at a depth of 0-3 fbg; however, the vertical delineation sample collected at 4-6 fbg did not contain selenium in excess of MTCA TEE screening values and this sample was located within the detention pond (with a planned excavation depth of 8 fbg). Furthermore, soil samples collected at 0-3 fbg and 4-6 fbg from borings "SB-62", "SB-64" and "SB-65" confirmed completion of lateral delineation for selenium.
 - Organochlorine pesticide dieldrin was identified in surface soils at "SB-30", "SB-31" (designated as "Area A6") and "SB-33" (designated as "Area A7") in excess of the Soil Protective of Groundwater screening level.
 - VOC 1,1,2,2-tetrachloroethane (1,1,2,2-TCa) was reported in surface soils at "SB-21" (designated as "Area C3"), which exceeded the Soil Protective of Groundwater screening level (0.003 mg/kg).
 - The TPH (gasoline, diesel and/or oil range) MTCA CUL for Unrestricted Land Use and/or the MTCA TEE CUL was exceeded in surface soil at the following locations:
 - o "SB-14A", "SB-14B", "SB-15", and "SB-15B" (designated as "Area B1");
 - o "SB-15A" (designated as "Area B2");
 - o "SB-17" (included within "Area C1");
 - o "SB-11" (included within "Area C2");
 - o "SB-20" (designated as "Area C3");
 - o "SB-17C" (included within "Area C4"); and
 - o "Bay 3 Sump" (included within "Area F2").
 - Select VOCs were found in soil vapor in excess of respective MTCA Method B Subslab Screening Levels; such values were found within the pending Pathway of Construction (POC) for the new healthcare facility's building.

Once this work was complete, TGE considered human health exposure pathways and pathways "complete" for identified COCs in surface soil and soil vapor. Based on the location of Sacajawea Park (adjacent west) as well as former Site use and Property redevelopment for healthcare, ecological exposure pathways were viewed as complete per the MTCA TEE process. Given work performed between August 2017 and March 2020, Areas of Concern (AOCs) for the Site were established (refer to **Figure 14**).

AOC soil volumes were diagrammed and estimated to allow preparation of a Site-specific Conceptual Site Model (CSM) (**Section 6.0**). TGE scheduled an IRA to resolve identified contamination and relevant (“open”) exposure pathways by permitted soil excavation and disposal at a Sub-Title D Landfill (Roosevelt Regional Municipal Solid Waste Facility in Roosevelt, Washington). An approved bill of lading was obtained from Republic Services for this purpose (Waste Profile No. 4178202774 - **Appendix F**).

TGE notified Ecology of the presence of RCRA metal impact to surface soil/fill material and select VOCs impact to soil vapor above MTCA screening levels on March 3, 2020. Documentation of agency receipt of this notification is provided for reference in **Attachment F**. Prior to earthwork associated with Site redevelopment, additional pre-construction planning, local POC soil/fill material assessment, and local pre-disturbance handling of certain Site features was necessary. TGE/MHS opted to move forward with the IRA (WAC 173-340-515) in advance of soil disturbance. Such work was designed to be protective of human health and the environment (including construction workers), to minimize unnecessary mixing of regulated material with non-regulated/non-impacted soil, and to comply with MTCA requirements, as detailed in the following report sections.

5.0 CONCEPTUAL SITE MODEL (CSM)

A Conceptual Site Model (CSM) is a hypothetical representation of the environmental condition of a Site based on known and/or reasonably ascertainable information and is used in the development of Site assessment plans and remedial actions. The following CSM was prepared respecting the physical Site setting; current/future Site use; known or potential COCs; source areas and COC distribution; impacted media; transport mechanisms; potential/threatened receptors; and potential exposure scenarios (i.e., “complete” or “incomplete” exposure pathways). The following CSM was based on existing knowledge of the Site from due diligence assessments/pre-development cleanup at the Site conducted by TGE, and an IRA executed by TGE on behalf of the Site RP, MHS.

5.1 Source Area(s)

Findings from the investigation/assessment of the Site between 2017 and 2020 and an IRA completed by TGE in March/May/June 2020 identified the following source areas of COC impact to Site soil and soil vapor as detailed below:

- **“Area A1” through “Area A7”:** surface soil impact resulting from historic use of the northwestern portion of the Site as a commercial greenhouse and an unpaved/paved vehicle parking/storage lot;
- **“Area B1” and “Area B2”:** impact to surface soils within the northwest and west-central portions of the Property, previously utilized for unpaved/paved vehicle parking and storage;
- **Area C1” through “Area C4:** surface soil impact in the central portion of the Property historically utilized as an unpaved/paved vehicle parking/storage lot and associated with historic use as an automobile service station/auto repair facility with documented use of underground petroleum storage tanks;
- **“Area D”:** surface soil impact within the central portion of the Property adjacent to “Area C1”, formerly utilized as an unpaved/paved vehicle parking/storage lot;
- **“Area E1” and “Area E2”:** surface soil impact within the east-central portion of the Property formerly utilized for unpaved/paved vehicle parking and storage and associated with historic use as an automobile service station/auto repair facility with documented use of underground petroleum storage tanks;
- **“Area F1 through Area F3”:** Service/Wash Bay(s) sumps located within the former Site structure; and
- **“Unsuitable Fill”:** per a Geotechnical Engineering Report by others (dated September 29, 2017), “*unsuitable fill material*” of unknown origin (to depths of greater than 11.5 fbg) was documented across the Site; this material was slated for removal in part as a component of planned Site redevelopment.

5.2 Migration Pathways and Potential Receptors

On March 13, 2020, Ms. Kristi Barnette, Project Manager at TGE, performed a walking receptor survey of the Property and surrounding area in an effort to identify potential receptors. Visual inspection of real properties included the presence of buildings/occupants, as well as respective operations, underground utility corridors, and/or sensitive ecological receptors situated within a 500-foot radius of the limits of the affected Property. Areas inspected within a 500-foot radius of the Property consisted of commercial or residential structures (“combined mixed-use”, as zoned by Federal Way/King County); paved drive/parking

areas; athletic fields associated with a city park; a commercial construction zone; an undeveloped lot; and roadways. Sensitive human receptors or ecological receptors were not visually identified within the 500-foot radius of the affected Property.

The Washington Department of Fish & Wildlife (WA DFW) online Priority Habitats and Species (PHS) List was reviewed for state and federally-listed endangered, threatened, and sensitive species and associated habitats in the Site vicinity. Per available database information, no listed Habitats and/or Species are located within a 500-foot radius of the affected Property and only the following are reportedly present within a ½-mile Site radius:

- Coho, Resident Coastal Cutthroat, and Winter Steelhead fish were “mapped” within Laurelwood Park, approximately 1,900 feet northeast;
- Waterfowl concentrations were “mapped” within 2,480 feet southeast of the Site (Steel Lake);
- Biodiversity Areas and Corridor “terrestrial habitat” is depicted as being located approximately 2,000 feet northwest of the Site (this habitat is not present on the Site); and
- Wetlands, Lake, Freshwater Emergent Wetland, Freshwater Forested/Shrub “aquatic habitat” is depicted as being located approximately 2,480 feet southeast of the Site (Steel Lake) and approximately 1,900 feet northeast of the Site (Laurelwood Park) (this habitat is not present on the Site).

A copy of the WA DFW online PHS List database information and an associated map is provided for reference in **Appendix B**.

5.2.1 Migration Pathways

Based on documented historic Site use and current/historic adjacent property use with COC impact to surface soil (0 to 15 fbg), the primary COC migration pathway for the Property consists of lateral and vertical transport through unsaturated soil, wind erosion, dispersion, volatilization, and/or soil vapor migration of VOCs. Within the saturated zone, potential transport mechanisms are diffusion via lateral groundwater flow and volatilization of VOCs to air.

5.2.2 Environmental Receptors

Site and adjacent property use north and south is “commercial”; adjacent property east is “residential”; and adjacent property west is considered “residential” due to the presence of athletic fields associated with a city park (Sacajawea Park). However, Site assessment has documented that environmental impact at the Property was limited to surface soils; and identified COCs were limited to select RCRA metals, organochlorine pesticides, TPH-gasoline range organics (TPHGx) and TPH-diesel range organics/TPH-oil range organics (TPHDx) in Site soil likely associated with the application of fill material of unknown origin and former Property use. Historic Site use included a fueling station with operation of underground petroleum storage tanks (PSTs) (1920s); an equipment rental/repair facility utilizing underground PSTs (late 1960s/early 1970s); a commercial greenhouse (early 1990s to 2000); and an auto repair/repossession facility (2007 to 2019). Additionally, documented soil vapor impact is presumed to be associated with historic Site operations.

As previously detailed, review of online water well database information for water wells within a one-mile Site radius (as available through the Ecology - Washington State Well Log Viewer) indicated an absence of listed water wells (public or private) within a 500-foot radius of the Site. However, one private (domestic) water supply well (completed to a reported depth of 303 fbg) was identified as being located 0.4 miles southeast (up-gradient) of the Property (**Section 2.0**). Reported cross-gradient water wells listed as being located up to ½-mile southwest and north of the Site were determined during the water well search to be either plugged and abandoned and/or misplotted within the online water well database (**Figure 5 – Water Well Search Map**).

Additionally, per WA DFW PHS information, no wetlands or critical habitat areas are located within a 500-foot radius of the affected Property, and no surface water bodies are present within a 500-foot Site radius. Steel Lake is situated approximately 0.5 miles southeast of the Site. As such, there is no apparent threat of COC-migration and/or impact to water supply wells or discharge to a nearby surface water body; and potential receptors are limited to construction workers (during Site redevelopment) and commercial Site occupants (following completion of on-going Site redevelopment).

5.3 Exposure Pathway Evaluation

5.3.1 Soil Exposure Pathways

Surface Soil (<15 fbg) Exposure Route

Surface soil exposure was limited because the Property (inclusive of the AOCs) was previously capped by asphalt paving (driveways and parking areas) or a concrete slab prior to the start of Site redevelopment in February 2020.

As previously stated, Site use is currently zoned “combined mixed-use” (mixed residential and pedestrian-oriented commercial uses), which is not anticipated to change based on on-going Site redevelopment and area construction (**Figure 3**). Furthermore, on-going Site redevelopment has resulted in residual/non-regulated soil in Site AOCs being capped by a concrete building foundation (inclusive of an engineered vapor intrusion mitigation system [VIMS]) or associated asphalt driveway/parking areas.

The IRA (regulated soil/fill material removal) was completed in June, 2020 (documented herein) in conjunction with Site redevelopment. The extent of surface soil removal within each AOC is provided below:

Area Name	Contaminant of Concern	Depth of Soil Excavation (fbg)
Area A1	Arsenic	2 fbg
Area A2		3 fbg
Area A3		5 fbg
Area A4		7 fbg
Area A5		8 fbg
Area A6	Dieldrin	6 fbg
Area A7		12 fbg
Area B1	TPH DRO/ORO	2 fbg
Area B2		4 fbg
Area C1	TPH DRO/ORO	2 fbg
Area C2	TGE GRO	4 fbg
Area C3	Lead and 1,1,2,2-TCA	9 fbg
Area C4	TPH GRO	15 fbg
Area D	Arsenic	2 fbg
Area E1	Lead and Cadmium	11 fbg

Area Name	Contaminant of Concern	Depth of Soil Excavation (fbg)
Area E2	Lead and Cadmium	14 fbg
Area F1	Lead and Arsenic	5 fbg
Area F2	TPH DRO/ORO	7 fbg
Area F3	Cadmium	2 fbg

Therefore, while exposure to regulated surface soil via dermal/direct contact, ingestion, or leaching to groundwater is “complete” with regard to dermal/direct contact and/or leaching to subsurface soils and/or groundwater, the IRA has resulted in removal and off-Property disposal of impacted soil and Site redevelopment has limited the potential for future surface soil exposure.

Subsurface Soil (>15 fbg) Exposure Route

With regard to subsurface soil (extending from greater than 15 fbg to the saturated zone), the AOC (“Area C4”) for soil impact by TPH-gasoline range organics (NWTPH-Gx) was centrally-located within the Site, which is undergoing redevelopment for future “commercial” use as a healthcare facility.

Pre-purchase, due diligence subsurface investigations and pre-development soil characterization at the Site by TGE reported concentrations of TPH-gasoline range organics (NWTPH-Gx), TPH-diesel/residual range petroleum (NWTPH-Dx), VOCs, pesticides, PCBs, SVOCs, and/or RCRA-8 metals in subsurface soil that did not exceed respective MTCA Method A CULs (as applicable), with the exception of NWTPH-Gx (one soil sample (SB-17C) collected at a depth of 15 fbg on November 13, 2019 reported a concentration of 580 mg/kg, which exceeded the MTCA Method A CUL of 30 mg/kg).

Based on field observations at the time of collection, lateral delineation soil borings “SB-17E” and “SB-17F” were completed approximately 5 feet southeast and northeast of boring “SB-17C”. Field observations and analytical results indicated no NWTPH-GX within collected samples, suggesting a very localized area of impact. Soil boring “SB-46” was completed one (1) foot south of “SB-17C” during the January 2020 mobilization in an effort to complete vertical delineation of the NWTPH-GX impact identified within boring “SB-17C”. A total of six (6) soil samples were collected at vertical depths: “0-1” fbg, “1-2” fbg, “9-10” fbg, “14-15” fbg, “16-18” fbg and “20-22” fbg. Laboratory analysis of soil samples did not reproduce the previously detected NWTPH-Gx concentration. However, based on initial data for soil boring “SB17C”, “Area C4” retained its designation as an AOC.

The apparent absence of vertical migration (leaching) of COCs from impacted surface soil at the Property indicates that further impact to subsurface soil at the Site is not anticipated. Therefore, the dermal/direct contact and/or leaching to groundwater for the subsurface soil exposure route is “not complete” and is not anticipated to be complete in the future.

5.3.2 Groundwater Exposure Pathway

The November 8, 2017 Phase II ESA (TGE Report No. R13411.04) performed by TGE details the installation of a temporary screened borehole (designated TSB-1) to a terminal depth of 110 fbg for the purpose of groundwater characterization. However, given an absence of a groundwater-bearing unit within the depth of investigation and the lack of groundwater production, even at this extended depth, TGE was prohibited from groundwater sampling. As such, impact to groundwater is not anticipated at the Site, given the following considerations:

- Source removal - as discussed above, the excavation/removal of fill material (due to geotechnical incompatibility) and affected soil under the IRA in conjunction with Site redevelopment was effective in eliminating the RCRA metals arsenic, cadmium, chromium, and lead; the VOC analyte 1,1,2,2-TCA; petroleum hydrocarbons; and the pesticide dieldrin from the vadose zone and potential leachate pathway; and

- Depth to water - the vertical depth from the surface to the first groundwater-bearing unit (the vadose zone thickness) is considered significant (exceeds 110 fbg) such that leachate (if any) would be expected to attenuate vertically prior to reaching groundwater.

Therefore, the groundwater exposure pathway for any Site-specific COC is considered not complete and is not anticipated to be complete in the future.

5.3.3 Soil Vapor Exposure Pathway Air (Volatilization/Vapor Migration)

Concentrations of COCs in Site soil vapor were found during the building footprint sampling event (August 2017) in the former automotive repair facility, along the eastern Site limits where former underground PSTs were located, and along the northern Site limits (August 2018 sampling event conducted by others) in excess of respective MTCA Method B Sub-Slab Soil Gas Screening Levels.

Specifically, concentrations of the VOC analytes acrolein; benzene; 1,3-butadiene; chloroform; ethylene dibromide (EDB); naphthalene; PCE; and TCE were reported in excess of respective Ecology screening levels. The vapor inhalation pathway was considered (more likely than not) "complete" with regard to possible construction worker exposure during new development earthwork and passive volatilization/vapor migration into a future "unprotected" building. Therefore, a Site-specific Soil Management Plan was prepared and employed during construction and (in an abundance of caution) the new building design was complimented with incorporation of a protective soil vapor intrusion mitigation system [VIMS]). While historic Site use was presumed to be a source of VOCs at the Site, the near presence of a retail fuel station (position adjacent to the north), as well as advancing urban development within the Site area, justified the added protective measure of the VIMS.

5.3.4 Surface Water & Sediment Exposure Pathways

As determined during a Site and near-Property walking receptor survey, the Site and surrounding area did not exhibit surface water pathways nor pathways for sediment exposure to Site-specific COCs. Therefore, the surface water and sediment exposure pathways are considered not complete and are not anticipated to be complete in the future (**Figure 1**).

5.4 Terrestrial Ecological Evaluation Summary

TGE used the streamlined Terrestrial Ecological Evaluation (TEE) process, consistent with Ecology guidelines (WAC 173-340-7493), to evaluate the potential for human health and ecological exposure risk respecting Site-specific COCs prior to implementation of the IRA during Site redevelopment. As required, the MTCA TEE process included performance of the following seven steps:

1. Characterization;
2. Exclusion Evaluation;
3. Evaluation Method Selection;
4. Conduct the TEE;
5. Identify Areas of Potential Ecological Concern;
6. Conduct a Feasibility Study; and
7. Document the Process.

Step 1 – Characterization: From August 2017 through March 2020, characterization assessment was accomplished via the completion of 72 soil borings, the installation of two (2) temporary soil vapor monitoring points, and the installation of one (1) temporary screened borehole by TGE as well as the installation of four (4) temporary soil vapor monitoring points and ten (10) soil borings by Environmental Associates, Inc. (landowner's consultant). While most targeted COCs were ruled out, the presence of elevated concentrations of select RCRA metals (arsenic, cadmium, selenium, lead, and chromium); the organochlorine pesticide dieldrin; the VOC analyte 1,1,2,2-TCA; and petroleum hydrocarbons were established for Site surface soil. Additionally, the VOC analytes acrolein; benzene; 1,3-butadiene; chloroform; EDB; naphthalene; PCE; and TCE were confirmed to be present in Site soil vapor (**Figure 6 – Site Investigation/Boring Location Map and Appendix H – Ecology Notice and Previous Reports**).

Step 2 - Exclusion Evaluation: Completion of a full TEE is not required for cases where one of four exclusions are met. Therefore, MTCA-specific exclusion conditions were evaluated respecting the Site with reference to the TEE Form (Appendix B), as provided below:

- **Exclusion 1** - *Will all soil contamination be located at least six feet beneath the ground surface (conditional point of compliance)?* **No** -or- *Will all soil contamination be located at least 15 feet beneath the ground surface?* **No**
- **Exclusion 2** - *Will all soil contamination be covered by buildings, paved roads, pavement, or other physical barriers that will prevent plants or wildlife from being exposed?* **No**
- **Exclusion 3** - *Is there less than 0.25 acres of contiguous undeveloped land on or within 500 feet of any area of the Site affected by hazardous substances listed in WAC 173-340-749(1)(c)(ii)?* **No**

-and-

Is there less than 1.5 acres of contiguous undeveloped land on the site, or within 500 feet of any area of the site, affected by hazardous substances other than those listed in WAC 173-340-7491(1)(c)(ii)? **No**

- **Exclusion 4** – *Are concentrations of hazardous substances in the soil less than or equal to natural background concentrations of those substances as the point of compliance?* **No**

The Site did not qualify for TEE exclusions based upon the proximity (approximately 100 feet west) of Sacajawea Park to the Site. However, Site remedial actions completed between March and June 2020 in conjunction with Site redevelopment resulted in conditions protective of both human health and ecological receptors, as specified within WAC 173-340-7490 through WAC 173-340-7494.

Steps 3/4 – As stated above, use of the MTCA TEE Form determined that further ecological evaluation for the Property was necessary. A Simplified TEE was completed given that the Site did not meet any of the four (4) criteria described within WAC 173-340-7492.

Simplified TEE – The Simplified TEE process is intended to identify sites that are not likely to pose a significant threat to ecological receptors. The Simplified TEE concludes and a determination can be made that the Site does not pose a significant risk to the environment if any of three (3) criteria (exposure analysis, pathways analysis, or toxicity analysis) are met. The MTCA Simplified Terrestrial Ecological Evaluation-Exposure Analysis Procedure Table 749-1 assigns “points” for five categories:

- Presence of contiguous undeveloped land on or within 500 feet of the Site
 - o 12 points (four acres or more present within baseball field(s) of Sacajawea Park);
- Site land use classification
 - o 1 point (not “industrial” or “commercial”);
- Quality of habitat
 - o 1 point (default value of “high”, since an assessment of potential habitat could not be made);
- Attractiveness to wildlife
 - o 2 points assigned (not attractive); and
- Presence of specific soil contaminants
 - o 1 point assigned (present).

Per the MTCA Simplified Terrestrial Ecological Evaluation-Exposure Analysis Procedure (**per Table 749-1 - Appendix B**), the Simplified TEE evaluation concludes when more points are amassed by the five categories (5 points) than the initial score (12 points). Due to the results tabulated above, the ecological evaluation process could not be concluded (**Appendix B**).

Given that none of the exposure criteria (exposure analysis, pathways analysis, and toxicity analysis) were met during the completion of the Simplified TEE, ecological protective soil concentrations were required to be established for the Site using: (1) bioassay techniques; (2) completing a site-specific TEE, as per WAC 173-340-7493; or (3) using concentrations as listed within MTCA Table 749.2, “*Priority Contaminants of Ecological Concern or Sites that Qualify for the Simplified TEE*”, as cleanup levels of the contaminants specific to the Site.

Steps 5-7 – Not required since the outcome of the Simplified TEE analysis (use of MTCA Table 749-2 as cleanup levels of the contaminants specific to the Site) was that the “*simplified evaluation may be ended.*”

5.5 Contaminants/Media of Concern

Samples of Site soil and soil vapor were collected and analyzed during subsurface investigation/assessment of the Site by TGE. Samples were selectively analyzed for the following lists of chemical constituents by Pace Analytical in Mt. Juliet, Tennessee and/or Eurofins TestAmerica in Seattle, Washington, both NELAP certified laboratories.

Phase II Subsurface Investigation – August 2017

Sample Type	Gasoline Petroleum Products (NWTPH-Gx)	Diesel & Oil Petroleum Products (NWTPH-Dx)	RCRA 8 (EPA 6020/7471)	VOCs (TO-15)	VOCs (EPA 8260)	% Moisture	pH	Herbicides (EPA 8151)	Organophosphate Pesticides (EPA 8141)	Organochlorine Pesticides (EPA 8081)
Soil	X	X	X	—	X	X	X	X	X	X
Soil Vapor	—	—	—	X	—	—	—	—	—	—

Supplemental Phase II Subsurface Investigation – October 2017

Sample Type	Gasoline Petroleum Products (NWTPH-Gx)	Diesel & Oil Petroleum Products (NWTPH-Dx)	RCRA 8 (EPA 6020/7471)	VOCs (EPA 8260)	% Moisture	pH
Soil	X	X	X	X	X	X

Soil Characterization (“Split Sampling”) Subsurface Characterization – August 2018

Sample Type	Gasoline Petroleum Products (NWTPH-Gx)	Diesel & Oil Petroleum Products (NWTPH-Dx)	RCRA 8 (EPA 6020/7471)	VOCs (EPA 8260)	% Moisture	VOCs (TO-15)
Soil	X	X	X	X	X	—
Soil Vapor	—	—	—	—	—	X

Soil Characterization & Independent Remedial Action (Excavation) – Nov 2019 to Oct 2020

Sample Type	Gasoline Petroleum Products (NWTPH-Gx)	Diesel & Oil Petroleum Products (NWTPH-Dx)	RCRA 8 (EPA 6020/7471)	Organochlorine Pesticides (EPA 8081)	Herbicides (EPA 8151)	Organophosphate Pesticides (EPA 8141)	% Moisture	SVOCs (EPA 8270)	PCBs (EPA 8082)	VOCs (EPA 8260)
Soil	X	X	X	X	X	X	X	X	X	X

Boring logs are provided in **Appendix D**, and laboratory reports with sample chain-of-custody documentation are contained in **Appendix E**. Laboratory quantitation limits for analyzed parameters are included in attached laboratory reports and comply with USEPA Solid Waste (SW) 846 and applicable Washington MTCA CLARC criteria.

Media Impacted and Contaminants Above MTCA Simplified Terrestrial Eco Evaluation Unrestricted Land Use Screening Levels and/or MTCA Method A Screening Levels	Soil <u>Arsenic</u> – surface soil within Areas A1, A2, A3, A4, A5, Area D & Area F1; <u>Dieldrin</u> – surface soil within Area A6 & Area A7; <u>TPH Dx</u> – surface soil within Area B1, Area B2, Area C1 & Area F2; <u>TPH Gx</u> – surface soil within Area C2 & Area C4; <u>Lead</u> – surface soil within Area C3; <u>1,1,2,2-TCA</u> – surface soil within Area C3; <u>Lead</u> – surface soil within Area E1, Area E2 & Area F1; <u>Cadmium</u> – surface soil within Area E1, Area E2 & Area F3; <u>Hexavalent Chromium</u> – surface soil within Area F1; and <u>Selenium</u> – surface soils below former Site building.
Media Impacted and Contaminants Above MTCA Method B Screening Levels	Soil Vapor - Acrolein; - Benzene; - Chloroform; - Ethylene dibromide (EDB); - Naphthalene; - PCE; - TCE; and 1,3-butadiene

Presumed Source(s)	The presumed source(s) of impacted/regulated soil are historic use of the Property from the 1920s through 2017 that involved retail fuel storage and sales; auto repair/service and vehicle storage; equipment rental/repair/service; and a commercial greenhouse operation (all of which likely involved the release of petroleum hydrocarbons to the Site); the presence of fill soil/material of unknown origin; and the abandonment of three (3) sumps filled with regulated materials within the former automotive repair building. Soil vapor impact is presumed to be associated with the above-referenced historic Site use and/or residual impact from operation of the former fuel PSTs.

As previously stated, a Notification of Release was filed with Ecology on March 3, 2020. On April 15, 2020, application for Site entry into the Voluntary Cleanup Program (VCP) was submitted to Ecology with copies of previous environmental assessment reports. Acceptance into the VCP was received on May 14, 2020. At that point, the Site was assigned Facility/Site ID No. 7222592, Cleanup Site ID No. 5427, and VCP Project ID No. NW3270; and the Property was added to Ecology's "Confirmed and Suspected Contaminated Site List" (see attached confirmatory documentation in **Appendix F**). Soil and soil vapor isopleth concentration contour maps and/or soil impact maps showing impact at the Property prior to the IRA and Site redevelopment are provided herein (**Figure 9** through **Figure 15** and **Figure 21** through **Figure 23**).

6.0 APPLICABLE LAWS / CLEANUP STANDARDS

In March, 1989, MTCA Chapter 70.105D RCW was established for the identification and remediation of facilities with potential contamination by hazardous substances. The “Model Toxics Control Act Cleanup Regulation” (Washington Administrative Code [WAC] 173-340) was adopted in 1990/1991 to detail processes and technical requirements for cleanup. Ecology requires responsible parties to report releases of hazardous substances as follows:

- from USTs (under Chapter 90.76 RCW) within 24 hours of discovery (WAC 173-340-450[2]); and
- from hazardous substance sources within ninety (90) calendar days of discovery (WAC 173-340-300[2]).

Physical evidence is to be used to determine whether hazardous substances have been released to the environment. If a release is indicated, its risk to human health and the environment is to be established. A release report is prepared and submitted to Ecology to summarize observations, field instrument readings, and available laboratory data. Testing is not required at the time of notice to comply with applicable reporting requirements of MTCA (WAC 173-340-300). Pursuant to WAC 173-340-310, submittal of a release report requires agency evaluation to determine whether an initial investigation is required. Initial investigations are required when there is a release or threatened release to the environment; if the release or threatened release involves a hazardous substance; and/or if the release or threatened release may pose a threat to human health or the environment. Per Policy 310A (“Initial Investigations” WAC 173-340-310), the following is determined/established:

- the need for an investigation;
- whether another agency or a consultant may conduct the initial investigation;
- tasks to be completed as part of the initial investigation;
- decisions/notification to be made based on the initial investigation; and
- a case tracking process.

MTCA requires compliance with state and federal laws (WAC 173-340-710[1]) and “*applicable or relevant and appropriate requirements*” or “ARARs” for soil, groundwater, and air in the development of CULs, which must be “*at least as stringent as all applicable state and federal laws*” (RCW 70.105D.030[2][D]).

TGE (on behalf of MHS) opted for case submittal and review via the State of Washington Voluntary Cleanup Program (VCP) under the authority of MTCA Chapter 70.105D RCW and its implementing regulations, Chapter 173-340 WAC. MTCA is a “citizen-mandated law” that provides for the investigation and cleanup of hazardous waste sites in the state. The purpose of the VCP is to “*encourage cleanup and facilitate redevelopment of contaminated properties*” and permits independent cleanup of sites without direct Ecology supervision; yet this program allows for solicitation of guidance as to the sufficiency of remedial action under the law (i.e., regulatory case closure approval).

Regulatory Screening Levels & Cleanup Standards

Independent laboratory characterization of soil/fill and soil vapor collected prior to and during Site remediation and clean-up confirmation were compared to screening levels published in Ecology's *Cleanup Levels and Risk Calculations (CLARC)* database. Screening levels for the Former Payless Auto Mart project are defined as contaminant concentrations above which certain COCs may pose a threat to human health or the environment per MTCA Methods A or B (WAC Chapter 173-340).

Cleanup Levels (CULs)

As documented within previous report sections, Site soil and soil vapor were reported with COC concentrations above respective regulatory screening levels; and CULs were selected/established for affected property in consideration of the following:

- the response must be permanent (to the maximum extent practicable);
- the response must be protective of human health and the environment; and
- if applied, institutional controls must be established to prohibit or limit any activity that could interfere with their integrity.

Although the Property is zoned "combined mixed-use" and is undergoing redevelopment for continued commercial (healthcare) use, soil and soil vapor CULs were selected based on an "Unrestricted Land Use" designation as follows:

- Soil - MTCA Priority Contaminants of Ecological Concern for Sites that Qualify for the Simplified TEE (MTCA Table 749-2), as provided within WAC 173-340-900 and/or Method A Soil Cleanup Levels for Unrestricted Land Use (WAC 173-340-704); and
- Soil Vapor – MTCA Method B Subslab Soil Gas Screening Levels (CLARC – WAC 173-340).

Point of Compliance

MTCA (WAC 173-340-200) defines a "Point of Compliance" as the "*point or points where cleanup levels established in accordance with WAC 173-340-720 through 173-340-760 shall be attained.*" The standard soil Point of Compliance is based on human exposure via direct contact or other exposure pathway for soils throughout the Site extending from the ground surface to 15 fbg (representing a reasonable estimate of soil depth that may be excavated and distributed along the ground surface during Site redevelopment).

Published CULs were set based on protection of human health via direct contact under a residential exposure scenario (MTCA Method A [WAC 173-340-900 Table 740-1]). The Point of Compliance was established as direct contact to soils throughout the Area of Concern (AOC) as tabulated below:

Contaminant of Concern (COC) and Point of Compliance – Soil

Ecology MTCA Cleanup Regulation (WAC 173-340-900) Table 749-2 Priority Contaminants of Ecological Concern for Sites that Qualify for the Simplified Terrestrial Ecological Evaluation Procedure for Unrestricted Land Use			
Primary COC	Analytical Method	Cleanup Level (CUL)	Point of Compliance
Cadmium	RCRA metals: USEPA Method 6010	25 mg/kg	Soil: 0-15 fbg
Chromium (Total)		42 mg/kg	
Lead		220 mg/kg	
Selenium		0.8 mg/kg	
NWTPHDx	TPH: WA Method NWTPHDx	460 mg/kg	Soil: 0-15 fbg
NWTPHGx	TPH: WA Method NWTPHGx	200 mg/kg	Soil: 0-15 fbg
Dieldrin	Organochlorine Pesticides: USEPA Method 8081	0.17 mg/kg	Soil: 0-15 fbg
Ecology MTCA Cleanup Regulation (WAC 173-340-900) Table 740-1 Method A Soil Cleanup Levels for Unrestricted Land Use			
Primary COC	Analytical Method	Cleanup Level (CUL)	Point of Compliance
Arsenic	RCRA metals: USEPA Method 6010	20 mg/kg	Soil: 0-15 fbg
Ecology MTCA Cleanup Regulation (WAC 173-340-900) CLARC Soil Protective of Groundwater Vadose at 13 °C			
Primary COC	Analytical Method	Cleanup Level (CUL)	Point of Compliance
1,1,2,2-TCA	VOCs: USEPA Method 8260	0.0012 mg/kg	Soil: 0-15 fbg

COC and Point of Compliance – Soil Vapor

Ecology MTCA Cleanup Regulation (WAC 173-340) CLARC Vapor Intrusion Method B Screening Levels			
Primary COC	Analytical Method	Cleanup Level (CUL)	Point of Compliance
1,3-Butadiene	VOCs: USEPA Method TO-15	2.8 µg/m ³	Soil: 0-15 fbg
Acrolein		0.3 µg/m ³	
Chloroform		3.6 µg/m ³	
Ethylene dibromide		0.14 µg/m ³	
Naphthalene		2.5 µg/m ³	
PCE		12 µg/m ³	
Benzene		11 µg/m ³	
TCE		12 µg/m ³	

7.0 CLEANUP ACTION SUMMARY

7.1 Pre-Construction Protective Measures and Local Delineation

Prior to material soil disturbance, TGE prepared and the General Contractor (GC) instituted a Soil Management Plan (SMP – or “Plan”) to be strictly followed during all surface and shallow soil disturbance. This Plan was intended to ensure protective measures for the workplace (worker and site visitors) and to serve as a guide in minimizing unnecessary POC excavation “mixing” between regulated AOC soil/fill material and otherwise non-regulated/non-impacted soil (**Appendix H**). The following pre-disturbance protective measures and conservative/preparatory tasks were performed in advance of executing the IRA:

- The GC selected/engaged an environmental earthwork contractor that demonstrated OSHA HAZWOPER training/credentials;
- TGE profiled material for waste disposal acceptance/approval at a permitted Sub-Title D landfill;
- The GC placed stormwater Best Management Practices (BMPs) in consideration of soil impact and in protection of COC dispersion across the greater Site;
- TGE established and marked locations of three (3) sumps and associated piping that extended east from the former ‘exterior’ wash bay located along the western perimeter of the former Site building; and
- TGE oversaw removal activity of three (3) sumps at the former Site building and collected soil characterization/confirmation samples, as detailed herein.

For the Former Payless Auto Mart, cleanup action selection was influenced by Site redevelopment, which included the removal of surface soil/fill material and the design/construction of a commercial building for future commercial (healthcare) use.

7.2 Cleanup Action Objectives & Standards

Site cleanup objectives were to demonstrate compliance with published MTCA CULs considered protective of human health and the environment and to define the Site-specific Point of Compliance at which the CULs are met. The process for development of CULs consists of identifying:

- Site COCs;
- media impacted by Site COCs;
- current/future exposure pathways;
- current and future land use; and
- current/future receptors.

Per findings from previous subsurface investigations conducted at the Site, determination of CULs for the Property was limited to Site soils and listed COCs, as follows:

Soil

- Arsenic
- Cadmium
- Chromium
- Lead
- Selenium
- TPHGx
- TPHDx
- Dieldrin
- 1,1,2,2-TCA

Soil Vapor

1,3-butadiene
PCE
Naphthalene
Ethylene dibromide
Chloroform
Acrolein
Benzene
TCE

7.3 Selected Cleanup Action(s)

As the responsible party, MHS is responsible for execution of necessary remedial action at the Site. The Property is not under an Ecology-mandated Administrative Action (i.e., consent decree, agreed order, or enforcement order) and completion of the IRA did not require explicit, pre-execution agency approval. Coincident Site redevelopment for intended healthcare use allowed for optimized performance of rather aggressive remedial action, with the ultimate goal of demonstrating:

- comprehensive removal of regulated soil (impacted with RCRA metals arsenic, cadmium, chromium, lead, or selenium; petroleum hydrocarbons TPHDx and TPHGx; the organochlorine pesticide dieldrin; and/or the VOC analyte 1,1,2,2-TCA) at concentrations exceeding respective CLARC MTCA Cleanup Levels;
- human health and environmental protectiveness during and after Site redevelopment; and
- intrinsic protectiveness respecting soil gas (VOC vapor) under a permanent engineering control.

The following report sections summarize location/media-specific actions that were executed to ensure attainment of remedial goals (above) and achievement of Cleanup Action Objectives for the Site, per the MTCA.

7.3.1 Impacted Soil/Fill Material Removal

Removal of affected soil impacted with RCRA metals arsenic, cadmium, chromium, lead or selenium, petroleum hydrocarbons TPHDx and TPHGx, the organochlorine pesticide dieldrin or the VOC analyte 1,1,2,2-TCA) was determined to be necessary within 20 AOCs (**Figure 16 – Approximate Excavation Zone Limits & Confirmation Soil Sample Map**), as follows:

Area Name	Contaminant of Concern	Depth of Soil Excavation (fbg)
Area A1	Arsenic	2 fbg
Area A2		3 fbg
Area A3		5 fbg
Area A4		7 fbg
Area A5		8 fbg
Area A6	Dieldrin	6 fbg
Area A7		12 fbg
Area B1	TPH DRO/ORO	5 fbg
Area B2		4 fbg
Area C1	TPH DRO/ORO	2 fbg
Area C2	TGE GRO	4 fbg
Area C3	Lead and 1,1,2,2-TCA	8 fbg
Area C4	TPH GRO	15 fbg
Area D	Arsenic	2 fbg
Area E1	Lead and Cadmium	11 fbg
Area E2	Lead and Cadmium	14 fbg
Area F1	Lead and Arsenic	5 fbg
Area F2	TPH DRO/ORO	7 fbg
Area F3	Cadmium	2 fbg
Area F4	Selenium	6 fbg

The redevelopment-driven, Independent Removal Action resulted in the excavation and off-Property, permitted disposal of 2,327.14 truck tons (TT) of impacted soil to a Sub-Title D Disposal facility (Roosevelt Regional MSW Landfill). Soil disposal volumes (as tabulated below) were pre-authorized by Republic Services under its Waste Disposal Authorization (WDA) process. MTCA compliance objectives were proved via post-excavation, confirmatory soil sample collection and analyses to demonstrate attainment of respective CLARC MTCA Cleanup Levels, as discussed herein.

Soil Excavation Estimates

Area Designation	Approximate Area of Excavation (sq. ft.)	Approximate Depth of Excavation (fbg)	Calculated Soil Volume (Yd³)	Conversion Factor	Calculated Truck Tons
Area A1	835.3	2 fbg	61.9	1.4	86.6
Area A2	596	3 fbg	66.2	1.4	92.7
Area A3	155.7	5 fbg	28.8	1.4	40.4
Area A4	167	7 fbg	43	1.4	61
Area A5	94	8 fbg	28	1.4	39
Area A6	346	6 fbg	77	1.4	108
Area A7	288	12 fbg	128	1.4	179
Area B1	1,293	5 fbg	140	1.4	197
Area B2	105	4 fbg	16	1.4	22
Area C1	823	2 fbg	61	1.4	85
Area C2	289	4 fbg	43	1.4	60.64
Area C3	989	8 fbg	293	1.4	535.8
Area C4	189	15 fbg	105	1.4	176
Area D	58	2 fbg	6	1.4	9
Area E1	935	11 fbg	380	1.4	533
Area E2	67	14 fbg	35	1.4	49
Area F1	39	5 fbg	7	1.4	10
Area F2	44	7 fbg	8	1.4	11
Area F3	14	2 fbg	1	1.4	1
Area F4	100	6 fbg	22	1.4	31
Soil Excavation Tonnage					2,327.14

7.3.2 Vapor Intrusion Mitigation System (VIMS) Installation

In lieu of post-excavation soil vapor reassessment, and in an abundance of conservatism given future use (intended Site use for healthcare operations), the responsible party (MHS) opted to utilize permanent engineering controls to mitigate the possibility of future vapor intrusion into the newly-developed facility. This was accomplished coincident with Site construction and involved design and installation of a robust vapor intrusion mitigation system (VIMS). The system comprises a sub-slab vapor barrier/membrane and associated venting system that effectively depressurizes the new building slab. The system can be easily retrofit from its “passive” (as installed) design to allow “active” vapor removal operation, in the unlikely event this is ever demonstrated necessary by subsequent VIMS testing. VIMS design was executed by TGE’s State of Washington Professional Engineer (PE) and incorporated into the overall redevelopment plan set (refer to **Attachment F** of this document for VIMS layout). PE construction oversight, system effectiveness testing, and installation certification by the PE of record served to validate the integrity and compliant installation of the VIMS, as designed.

Final inspection of the system was completed in February, 2021, during the final stages of building construction. VIMS compliance testing will be conducted by TGE on a quarterly basis for a period of one-year (post-construction) to demonstrate system effectiveness and to evidence that protective measures, to

the maximum extent practicable, have been achieved respecting vapor intrusion risk and attainment of Site Cleanup Objectives.

7.4 Cleanup Action Activities

7.4.1 Health and Safety

In accordance with OSHA worker protection rules (29 CFR 1910 and 1926), the Washington Industrial Safety and Health Act (Chapter 49.17 RCW), and MTCA Worker Safety and Health (WAC 170-340-810), the preparation of a Health and Safety Plan (HASP) is integral to the safe conduct of Site operations. As such, a Site-specific HASP was prepared by TGE and maintained immediately-accessible on-Site at all times during each phase of assessment/cleanup operations. Additionally, the previously referenced Soil Management Plan was prepared and utilized for the Site to ensure worker and Site visitor safety and direct certain control methods to be used during disturbance of environmentally impacted soil that may be encountered during redevelopment of the Property.

Site assessment and remedial action at the Property were conducted in OSHA Level D protection for workers. No confined space(s) were entered by TGE or subcontractor personnel during soil excavation/sampling or septic tank/piping removal operations.

7.4.2 Project Notifications/Permitting

The following notifications/permits were completed in conjunction with Property cleanup action activities:

- Ecology notification of release – March 3, 2020 (attached);
- Republic Services Special Waste Profile submitted on March 9, 16, and 23, 2020;
- Republic Services Waste Disposal Authorization (Profile No. 4178 20 2774) received March 23, 2020; and
- Washington Utility Notification (Ticket No. 20069157) submitted for Site excavation.

7.4.3 Soil Excavation Activities

As previously discussed, preliminary subsurface investigations of the Property identified twenty (20) areas of concern with regulated soil impact by RCRA metals, organochlorine pesticides, hydrocarbons, and/or VOCs. Findings from pre-cleanup soil characterization were used to define excavation limits for AOCs “Area A1” through “Area A7”; “Area B1” and “Area B2”; “Area C1” through “Area C4”; “Area D”; “Area E1” and “Area E2”; and “Area F1” through “Area F4”. IRA (excavation) was completed during March 2020 as an initial component of Site redevelopment.

During soil/fill material excavation and per Ecology guidance, TGE personnel conducted detailed field observation and record-keeping of each excavation zone. Specifically, soil strata in each of the excavation zones was inspected for visual and/or olfactory (odor) evidence of contamination. Additionally, soil sampling (headspace analysis) was conducted continuously by TGE personnel during excavation for field characterization purposes. An OVM was used to qualitatively identify the presence of total VOCs in soil in the excavation zones. This process not only assisted in indicating potential environmental impact with volatile compounds in the field, but assisted in the selection of samples for possible analytical characterization (to test where contamination would most likely be found) such that it could be removed and its removal confirmed by post-excavation soil testing. In VOC screening, a portion of the soil sample was placed into a designated field screening sample jar and aluminum foil placed over the mouth of the jar. The jar is then left under ambient conditions for approximately five to ten minutes to permit volatile gases

that may be present within soil pore space to equilibrate within the sample jar headspace. Following the equilibration period, the probe of an OVM is inserted through the aluminum foil and into the jar headspace to obtain a qualitative measurement of volatile gases. This method of field screening should not be considered a quantitative analysis, but rather a qualitative indication that VOCs may be present. OVM readings were recorded in units of parts per million (ppm) total VOCs. Elevated hydrocarbon odors were not observed (via olfactory evidence) during excavation.

Confirmation soil samples were collected during AOC excavation operations once the excavation zone was visually inspected, field characterization (OVM headspace) completed, and the target excavation depth to meet Cleanup Action Objectives attained, as indicated in the table provided in Section 7.3.1 (above).

Soil samples were collected directly from freshly-exposed soil and immediately placed in sterile, properly preserved, laboratory-supplied glass containers (40 ml VOAs for TPH and VOCs using USEPA Method 5035 or 4 oz. jars for RCRA metals and organochlorine pesticides) in a manner that minimized available “head space” within the container.

Soil Excavation – Area A1 through Area A5

Excavation of arsenic-impacted soils within “Area A1” through “Area A5” at the Site was conducted by TGE between March 20 and 23, 2020. Impacted soils were likely related to historic operation of a commercial greenhouse on the northwestern portion of the Property in the 1990s. Findings from previous Site characterization efforts was used to restrict excavation activities to a depth of 2 fbg within “Area A1”; 3 fbg in “Area A2”; 5 fbg in “Area A3”; 7 fbg within “Area A4”; and 8 fbg in “Area A5”. Approximately 319 truck tons of impacted soil was removed from “Area A1” through “Area A5”. During the excavation process, the soil/fill material was visually field inspected and the excavation zone sampled for confirmatory characterization to demonstrate attainment of cleanup objectives.

Soil Excavation – Area A6 and Area A7

Excavation of dieldrin-impacted soils within “Area A6” and “Area A7” was conducted by TGE on March 20, 2020. Impacted soils were likely related to historic operation of a commercial greenhouse on the northwestern portion of the Property in the 1990s. An estimated 147 truck tons of dieldrin-impacted soil was removed to depths ranging from 6 fbg in “Area A6” and to 12 fbg in “Area A7”. Throughout the excavation process, the soil/fill material was visually field inspected and the excavation zone sampled for confirmatory characterization to demonstrate attainment of cleanup objectives.

Soil Excavation – Area B1 and Area B2

An estimated 219 truck tons of petroleum hydrocarbon-impacted soil, with an estimated surface area of 1,398 square feet, was excavated from “Area B1” and “Area B2” on March 19 and 20, 2020. Based on results from initial confirmation soil samples collected within “Area B1”, over-excavation in the region of sample “B1 NE Sidewall” was performed on March 23, 2020. Over-excavation involved removal of additional soil/fill material to a depth of approximately 5 fbg. Throughout the excavation process, the soil/fill material was visually field inspected and the excavation zone sampled for confirmatory characterization to demonstrate attainment of cleanup objectives.

Soil Excavation – Area C1, Area C2, Area C3 and Area C4

Excavation of “Area C1” through “Area C4” was performed on March 23 and 24, 2020. During excavation, an area of “dark brown” fill material associated with a slight hydrocarbon odor (0.2 ppm to 8.7 ppm total VOCs) was encountered at depths ranging from 2 fbg to 9 fbg within “Area C2” and “Area C3”. Additionally, an abundance of trash/debris/building materials/tires was excavated from “Area C4” at depths ranging from 4 fbg to 15 fbg. During excavation of “Area C4” an extremely dense layer of soil (“hardpan”) was encountered at 15 fbg. Although “Area C4” was planned for a total excavation depth of 18 fbg, confirmation samples collected at 15 fbg indicated that cleanup objectives had been attained; therefore, additional excavation was not required. An estimated 707 truck tons of hydrocarbon and lead impacted soil was excavated from “Area C1” through “Area C4”.

On June 13, 2020, additional impacted soil (dark brown in color) with associated trash/debris including wood and shredded tires and a slight hydrocarbon odor (0.4 ppm to 1.1 ppm) was encountered during the installation of a north/south trending sanitary sewer line (south of "Area C3") located approximately 22 feet east of the proposed building (near a planned ambulance bay). Over-excavation of visually-impacted soils continued until stained soil and associated odor were no longer apparent and evaluation of native soil by field instrumentation indicated that elevated levels of total VOCs no longer remained. During excavation of "Area C3 – Extension" to a depth of 11 fbg, the soil/fill material was visually field inspected and the excavation zone sampled for confirmatory characterization (base of the excavation and from each excavation sidewall) to demonstrate attainment of cleanup objectives.

Soil Excavation – Area D

Located within the central portion of the Site and formerly associated with a vehicle storage/impound yard, the arsenic-impacted soils within "Area D" were excavated on March 24, 2020. As previously stated, the "Area D" excavation zone measured approximately 58 square feet in size and was excavated to a depth of approximately 3 fbg. During the excavation process, the soil/fill material was visually field inspected and the excavation zone sampled for confirmatory characterization to demonstrate attainment of cleanup objectives.

Soil Excavation – Area E1 and Area E2

Lead and cadmium impacted soil was removed on March 24, 2020 from an area located adjacent to Pacific Highway South (along the eastern Site limits), in the vicinity of a former tankpit for underground PSTs associated with an automotive fueling station (1920s – 1960s). An estimated 582 truck tons of impacted soils was removed from "Area E1" and "Area E2". Excavation was completed in two stages to ensure no structural damage was incurred to the Pacific Highway South sidewalk/bus stop located approximately 10 feet east of the excavation limits. The initial excavation targeted the eastern portions of "Area E1" and "Area E2" to planned depths of 11 fbg ("Area E1") and 14 fbg ("Area E2"). Following collection of confirmation samples, the excavation zones were returned to grade with clean fill material. The final stage of excavation removed impacted soils from the western portions of "Area E1" and "Area E2". Although previous soil assessment successfully delineated the vertical and horizontal extent of soil impact to limit excavation volumes, a considerable volume of additional soil was removed incidental to the excavation process as a result of localized sidewall collapse (soil "cave-in") to ensure vertical attainment of cleanup objectives.

Soil Excavation – Area F1 through Area F3

Excavation of "Area F1" through "Area F3" was performed on March 19, 2020. "Area F1" encompassed approximately 39 ft² and was excavated to a depth of 5 fbg; this area was associated with a former exterior wash bay sump positioned adjacent west of the former Site building. "Area F2" was associated with a sump located within former automotive Bay #1, included an area of 49 ft², and was excavated to a depth of 7 fbg. Lastly, affiliated with former piping (historically discharging to surface soils) connecting the former on-Site sumps, "Area F3" encompassed approximately 14 ft² and was excavated to an approximate depth of 2 fbg. Once all regulated material had been removed from "Area F1" through "Area F3", approximately 22 truck tons of impacted soil was realized. During the excavation process, soil was visually field inspected and each excavation zone sampled for confirmatory characterization to demonstrate attainment of cleanup objectives.

Soil Excavation – Area F4

Located within the southeastern corner of the area planned for a detention pond, "Area F4" encompassed approximately 100ft², which was excavated on March 23, 2020 to an approximate depth of 6 fbg. Once all regulated material had been removed from "Area F4", approximately 31 truck tons of impacted soil was realized. During the excavation process, the soil was visually field inspected and the excavation zone sampled for confirmatory characterization to demonstrate attainment of cleanup objectives.

Soil Disposal

Per Roosevelt Regional Municipal Solid Waste Facility documentation, a total of 2,327.14 truck tons of impacted soil/fill material was excavated, removed from the Site, and disposed as solid waste. Excavated material was analytically characterized and profiled by TGE and accepted by the Roosevelt Regional Municipal Solid Waste Facility on March 23, 2020 via the Republic Services Waste Disposal Authorization (Profile No. 4178 20 2774) process. Impacted soil was excavated, loaded, and transported by Archer Construction for disposal at the Roosevelt Regional Municipal Solid Waste Facility located at 500 Roosevelt Grade Road in Roosevelt, Washington. Copies of waste disposal documentation are provided for reference in **Appendix G**.

Septic Tank Disposal

One approximately 500-gallon capacity septic tank of steel construction (with associated contents [soil]) was excavated/removed from the Site on March 25, 2020. The Site septic tank was removed by Archer Construction ("Archer") for disposal at the Roosevelt Regional Municipal Solid Waste Facility in Roosevelt, Washington. The subject tank was crushed on-Site and subsequently disposed off-Property with impacted soil from above-referenced Areas of Concern.

Soil Excavation & Disposal – ACM in Soil

As a component of Site preparation for construction, installation of subsurface utilities included trenching within the southeastern portion of the Property. Trenching in this area encountered a zone of apparent buried demolition debris on June 4, 2020. In accordance with the Site Soil Management Plan, a detailed inspection of the debris was conducted, which identified the presence of suspect asbestos-containing materials (ACM), including drywall, roofing tar, brick/motor, wood, and insulation. Trenching in this area was expanded and occurrence of the apparent demolition debris was found to be limited both laterally (24 feet) and vertically (7 fbg). As such, excavated debris and associated soil was stockpiled on polyethylene sheeting, wetted, and covered with polyethylene sheeting to prevent disturbance and restrict access prior to analytical characterization, waste profiling, and off-Property, regulated disposal.

A series of 25 bulk samples were collected from the debris and submitted to a contract laboratory for analysis for asbestos content. Polarized Light Microscopy (PLM) analyses completed by Eurofins EMLab P&K (an NVLAP-accredited laboratory) identified the presence of asbestos in a "white fibrous" insulation material (dark brown soil - 2% Amosite and white fibrous material – 90% Amosite).

Additionally, soil characterization/excavation confirmation samples were collected from the excavation zone base ("Sewer Sec Base [7.5]") and sidewalls ("Sewer Sec S. Side [4]", "Sewer Sec N. Side [4]", "Sewer Sec E. Side [4]", and "Sewer Sec W. Side [4]") of the excavation zone in this area. Laboratory analysis of these samples found that TPH-Gx/Dx, VOCs, and RCRA-8 metals were not present at concentrations in excess of MTCA cleanup levels.

Therefore, an Asbestos Project Notification (WRD 23.25) was submitted to both the Washington State Department of Labor & Industries and Puget Sound Clean Air Agency (PSCAA) and an asbestos certified/trained crew (Construction Group International ["CGI"]) was retained to properly load/remove the asbestos-containing soil and debris. On June 11 and 12, 2020, CGI personnel, wearing proper personal protective equipment, accessed and loaded the stockpiled material into polyethylene-lined roll-off boxes for transportation to the Republic Services – Roosevelt, Washington Regional Landfill. A total of 134.16 truck tons of material was removed for regulated disposal. Project oversight and ambient air monitoring (upwind and downwind of the "regulated" stockpile loading area) by TGE documented an absence of "visible emissions" or airborne asbestos above the limits of laboratory detection (i.e., far below the OSHA permissible exposure level [PEL] and the USEPA clearance level). Documentation of asbestos-containing soil/debris is provided for reference in **Appendix G**.

Photographic documentation of Site conditions, soil excavation, in-ground sump/piping removal and septic tank removal are attached for referenced as **Appendix A**. Approximate locations of the former septic tank,

subsurface piping, soil/fill material excavation zone limits, and associated confirmation soil sample locations are depicted on **Figure 14**.

7.4.4 Confirmation Testing and Evaluation of Results

In accordance with provisions of MTCA and Ecology guidance, a series of 106 discrete, in-situ, native soil samples were collected to document Site conditions with respect to removal of arsenic; cadmium; chromium; lead; selenium; TPHGx; TPHDx; dieldrin; and 1,1,2,2-TCA impact to soil from historic operation of the Site for retail fuel sales and storage; auto repair/service/vehicle holding; equipment rental/repair/service; and a greenhouse operation. Sample collection was as follows (see **Figure 14**).

- After excavation completion of “Area 1” through “Area 7”, nine (9) discrete native soil samples were collected from the excavation base, 24 vertical confirmation samples and nine (9) sidewall samples were collected at depths ranging from 0.5 fbg to 12 fbg. Sample designations and associated depths are reported below.

Area Name	Sample Name	Sample Depth (fbg)
Excavation Base Samples		
Area A1	A1-1 CENTER	2 fbg
Area A1	A1-2 CENTER	1.5 fbg
Area A1	A1-3 CENTER	1.5 fbg
Area A1	A1-4 CENTER	2 fbg
Area A2	A2-1 CENTER	3 fbg
Area A2	A2-2 CENTER	3 fbg
Area A4	A4 CENTER	7 fbg
Area A6	A6 CENTER	6 fbg
Area A7	A7 CENTER	12 fbg
Excavation Sidewall Samples		
Area A1	A1-1 N SIDEWALL	1.5 fbg
Area A1	A1-1 E SIDEWALL	2 fbg
Area A1	A1-1 W SIDEWALL	2 fbg
Area A1	A1-2 W SIDEWALL	2 fbg
Area A1	A1-2 E SIDEWALL	1.5 fbg
Area A4	A4 W SIDEWALL	6.5 fbg
Area A5	A5-1 W SIDEWALL	8 fbg
Area A5	A5-2 W SIDEWALL	8 fbg
Area A7	A7 W SIDEWALL	11 fbg

Area Name	Sample Name	Sample Depth (fbg)
Excavation Vertical Samples		
Area A2	SB73	0-1 fbg
Area A2	SB73	1-2 fbg
Area A2	SB73	2-3 fbg
Area A2	SB73	4-5 fbg
Area A2	SB74	0-1 fbg
Area A2	SB74	1-2 fbg
Area A2	SB74	2-3 fbg
Area A2	SB74	4-5 fbg
Area A2 (West adjacent)	SB75	0-1 fbg
Area A2 (West adjacent)	SB75	1-2 fbg
Area A2 (West adjacent)	SB75	2-3 fbg
Area A2 (West adjacent)	SB75	4-5 fbg
Area A2 (North adjacent)	SB76	0-1 fbg
Area A2 (North adjacent)	SB76	1-2 fbg
Area A2 (North adjacent)	SB76	2-3 fbg
Area A2 (North adjacent)	SB76	4-5 fbg
Area A2	SB77	0-1 fbg
Area A2	SB77	1-2 fbg
Area A2	SB77	2-3 fbg
Area A2	SB77	4-5 fbg
Area A2	SB78	0-1 fbg
Area A2	SB78	1-2 fbg
Area A2	SB78	2-3 fbg
Area A2	SB78	4-5 fbg

Confirmation samples collected to demonstrate attainment of cleanup objectives for total chromium and dieldrin from “Area A1” through “Area A7” reported an absence of both chromium and dieldrin in excess of applicable CULs. However, arsenic confirmation soil sample “SB76 (0-1)” was identified with an arsenic concentration of 21 mg/kg, which slightly exceeded to respective CUL of 20 mg/kg by direct comparison.

However, alternative Ecology guidance was utilized to demonstrate compliance with arsenic CULs at the Site. Excavation was considered complete for removal of arsenic in that the dataset for the soil samples collected from “Area A1” through “Area A5” for arsenic met the MTCA “three-part rule” (WAC 173-340-740(7)). The performance dataset includes the soil samples from the bottom and sidewall of each sample confirmation area (“Area A1” through “Area A7”) at its final excavation extent. Via the three-part rule, the soil sample dataset for arsenic was required to meet three (3) criteria for excavation to be considered complete:

- o no sample may exceed two-times the CUL;
- o no more than 10% of the samples may exceed the CUL; and
- o the 95% upper confidence limit (UCL) of the mean may not exceed the CUL.

Confirmation soil samples and exceedance factors for arsenic within excavation zones “Area A1” through “Area A7” (refer to **Table 4**) established that the remedial excavations met the requirements of the first two components of the MTCA three-part rule. Given that 39 confirmation samples were collected for arsenic within “Area A1” through “Area A7” and only one sample exceeded the applicable CUL (i.e., 20 mg/kg), no more than 2.56% of the confirmation soil sample dataset for these areas exceeded the CUL, which is well below the criteria of 10%.

To demonstrate compliance with the final element of the three-part rule, the 95% UCL for reported arsenic concentrations was evaluated using “MTCASat 97: Site Module”, as available within Ecology guidance documents. The MTCASat 97: Site Module is a tool that calculates compliance levels and includes tests that may be used to demonstrate a site meets applicable cleanup levels. MTCASat 97: Site Module considers the detection frequency and evaluates various data distributions to generate potential 95% UCL values. The tool then evaluates the data for lognormality and normality using the normal probability plot method. Based upon the recommendation of data evaluation, a ‘lognormal distribution’ was selected to generate a probability plot for arsenic in confirmation soil sample data. Using Land’s Method, the software calculated a 95% UCL of 9.169 mg/kg, which is below the cleanup value of 20 mg/kg for arsenic, thus confirming the Property attained cleanup objectives. The direct output from the MTCASat 97: Site Module is included within **Appendix I**.

- Six (6) discrete native soil samples were collected from the excavation base and seven (7) sidewall samples were collected from excavation of “Area B1” and “Area B2”. Sample designations and associated depths are provided in the table below:

Area Name	Sample Name	Sample Depth (fbg)
Excavation Base Samples		
Area B1	B1-1 CENTER	2 fbg
Area B1	B1-2 CENTER	2 fbg
Area B1	B1-3 CENTER	2 fbg
Area B1	B1-4 CENTER	2 fbg
Area B1	B1-5 CENTER	2 fbg
Area B2	B2 CENTER	4 fbg

Area Name	Sample Name	Sample Depth (fbg)
Excavation Sidewall Samples		
Area B1	B1 S. SIDEWALL	1.5 fbg
Area B1	B1-1 W. SIDEWALL	1.5 fbg
Area B1	B1-2 W. SIDEWALL	1.5 fbg
Area B1	B1 N SIDEWALL	5 fbg
Area B1	B1 NE SIDEWALL	2 fbg
Area B1	B1 NE SIDEWALL	5 fbg
Area B2	B2 W. SIDEWALL	3 fbg

- Four (4) discrete native soil samples were collected from the excavation base and 12 sidewall samples were collected from over-excavation of the three (3) former on-Site sumps and associated piping. Sample designations and associated depths are provided below:

Area Name	Sample Name	Sample Depth (fbg)
Excavation Base Samples		
Area F1	BAY 1 SUMP BASE	7 fbg
Area F2	BAY 3 SUMP BASE	9 fbg
Area F1	EXT SUMP BASE	7 fbg
Area F3	SUMP LINE	3 fbg

Area Name	Sample Name	Sample Depth (fbg)
Excavation Sidewall Samples		
Area F1	BAY 1 E SIDEWALL	7 fbg
Area F1	BAY 1 N SIDEWALL	7 fbg
Area F1	BAY 1 S SIDEWALL	7 fbg
Area F1	BAY 1 W SIDEWALL	7 fbg
Area F2	BAY 3 SUMP E SIDEWALL	9 fbg
Area F2	BAY 3 SUMP N SIDEWALL	9 fbg
Area F2	BAY 3 SUMP S SIDEWALL	9 fbg
Area F2	BAY 3 SUMP W SIDEWALL	9 fbg
Area F1	EXT SUMP E SIDEWALL	7 fbg
Area F1	EXT SUMP N SIDEWALL	7 fbg
Area F1	EXT SUMP S SIDEWALL	7 fbg
Area F1	EXT SUMP W SIDEWALL	7 fbg

- Nine (9) sidewall samples were collected from “Area C1” through “Area C4” excavation at depths ranging from 1.5 fbg to 15 fbg fbg. Sample designations and associated depths are provided in the table below:

Area Name	Sample Name	Sample Depth (fbg)
Excavation Base Samples		
Area C4	C4 CENTER	15 fbg
Area C3	C3-2 CENTER	8 fbg
Area C3	C3-1 CENTER	8 fbg
Area C3	C3-2 CENTER	8 fbg
Area C3	C3-1 CENTER	8 fbg
Area C1	C1-1 CENTER	2 fbg
Area C2	C2 CENTER	4 fbg
Area C1	C1-1 CENTER	2 fbg
Area C1	C1-2 CENTER	2 fbg
Area C1	C1-3 CENTER	2 fbg
Area Name	Sample Name	Sample Depth (fbg)
Excavation Sidewall Samples		
Area C3	C3 E SIDEWALL	7.5 fbg
Area C3	C3 N SIDEWALL	7.5 fbg
Area C2	C2 S SIDEWALL	3.5 fbg
Area C3	C3E SIDEWALL	7.5 fbg
Area C3	C3 N SIDEWALL	7.5 fbg
Area C2	C2 S SIDEWALL	3.5 fbg
Area C1	C1 S SIDEWALL	1.5 fbg
Area C1	C1 W SIDEWALL	1.5 fbg
Area C1	C1 N SIDEWALL	1.5 fbg

- One (1) discrete native soil sample was collected from the excavation base and four (4) sidewall samples were collected from the over-excavation of “Area D” AOC at depths ranging from 1.5 fbg to 2 fbg and designated as “Area D Center”, “Area D E. Sidewall”, “Area D N. Sidewall”, “Area D S. Sidewall”, and “Area D W. Sidewall”.

- Three (3) discrete native soil samples were collected from the base and seven (7) sidewall samples were collected from “Area E1” and “Area E2” AOC excavation zones at depths ranging from 10.5 fbg to 14 fbg. Sample designations and associated depths are provided in the table below:

Area Name	Sample Name	Sample Depth (fbg)
Excavation Base Samples		
Area E1	E1 -1 CENTER	11 fbg
Area E1	E1-2 CENTER	11 fbg
Area E2	E2 CENTER	14 fbg
Excavation Sidewall Samples		
Area E1	E1 -1 E SIDEWALL	10.5 fbg
Area E1	E1-1 W SIDEWALL	10.5 fbg
Area E1	E1-2 E SIDEWALL	10.5 fbg
Area E1	E1-2 W SIDEWALL	10.5 fbg
Area E1	E1-3 E SIDEWALL	10.5 fbg
Area E1	E1-3 W SIDEWALL	10.5 fbg
Area E2	E2 E SIDEWALL	13 fbg
Area E2	E2 N SIDEWALL	13 fbg

Laboratory analyses for all confirmation soil samples were limited to select COCs - the VOC analyte 1,1,2,2-TCA, the organochlorine pesticide dieldrin, petroleum hydrocarbons, or RCRA metals arsenic, cadmium, selenium, lead, and chromium. With the exception of one (1) arsenic confirmation sample, which is further explained within this report section (7.4.4), laboratory analysis of the discrete, native, in-situ soil samples did not detect the select VOCs, organochlorine pesticides, petroleum hydrocarbons, or RCRA metals in excess of respective MTCA CULs, confirming that Cleanup Action Objectives had been attained.

To execute IRA (soil/fill material excavation) for the Site, initial soil assessment/delineation data was utilized to obtain a Republic Services Waste Disposal Authorization permit. With this pre-authorization obtained, impacted soil could be excavated and placed directly into trucks for transport off-Property to the Sub-Title D Landfill for proper disposal. As such, no soil stockpile characterization samples were collected for analytical characterization.

TGE’s soil sampling protocol included close adherence to USEPA SW 846 guidance, as well as MTCA requirements and TGE’s Standard Operating Procedures (SOPs). Samples were collected in laboratory-supplied glass vials/jars via EPA Method 5035 (for VOCs), labeled, immediately placed on ice, and transported to Pace Analytical in Mt. Juliet, Tennessee and/or Eurofins TestAmerica in Seattle, Washington (both National Environmental Laboratory Accreditation Program [NELAP] certified laboratories), under strict chain-of-custody procedures. Per MTCA requirements, all concentrations were reported on a dry weight basis. For reference, soil laboratory data is summarized on **Tables 3** through **Table 5**, and associated laboratory data reports (with chain-of-custody documentation) are provided in **Appendix E**.

7.4.5 Site Restoration

As previously discussed, the Former Payless Auto Mart property is undergoing redevelopment for future commercial use as a healthcare facility. Based on Site redevelopment plans necessitating the reported removal of more than 1,687 cy of “cut” material, Site excavation zones were not subject to further soil disturbance. Rather, these areas were backfilled and field compacted (to construction specification) using both imported gravel/sand obtained from Corliss Resources, Inc. (Enumclaw, Washington). Additionally, soil from the unimpacted southern portion of the Site was also used to backfill excavations. This soil was positioned with the planned location of the development’s stormwater detention pond (and required re-use or removal).

7.5 Compliance with Cleanup Standards

Compliance with cleanup standards is defined by MTCA as meeting the requirements of WAC 173-340-700 through 173-340-760 applicable to a release or threatened release of hazardous substances. Cleanup standards for the Property were established using a Conceptual Site Model that incorporated commercial Site redevelopment plans and MTCA Method A ARARs, and stringent target cleanup tables for current and future “unrestricted” land use conditions.

Institutional Controls and Financial Assurance

Per WAC 173-340-360(2)(e), MTCA requires the use of institutional controls and/or financial assurance where cleanup actions involve restrictions or controls to limit potential exposure to hazardous substances at a site. Per WAC 173-340-440(4), an institutional control is only required *“to assure both the continued protection of human health and the environment and the integrity of an interim action or cleanup action”*.

Cleanup actions for the Site included installation and maintenance of an engineering control (VIMS) by choice due to future Property use and current use of surrounding land (gas station on adjacent property north). Likewise, impacted soil excavation (source removal), was accomplished such that Site Cleanup Objectives were met and no exposure will occur in excess of MTCA CULs.

Initial assessment conducted at the Site to execute pre-purchase due diligence included soil vapor sampling, primarily due to historical property use as well as adjacent property use history (retail fueling facilities). Such testing was also performed to support MHS’s practice of planning/design and constructing its facilities with a VIMS, given the intended healthcare use of the finished development. While initial assessment documented the presence of soil vapor impact within the footprint of the proposed Property building, the on-Site “source” was identified during pre-development due diligence efforts and all AOC soil was removed (source removal). Following construction completion, an initial system test will be performed; an absence of target VOC constituents (both below and above the barrier membrane) at concentrations above (or even approximating) respective MTCA screening levels is anticipated.

Under MTCA, a cleanup action must meet the requirements of WAC 173-340-700 through 173-340-760 to be a *“permanent solution to the maximum extent practicable”* and prevent or minimize current and future releases and/or migration of releases of hazardous substances in the environment. Excavation and disposal of impacted soil conducted during Site redevelopment meets the MTCA requirement for a “permanent” reduction in contaminant toxicity, mobility, and volume; this work has effectively removed/minimized exposure risks posed by impacted soil to provide long-term protection of human health and the environment. Per Ecology Memorandum No. 18, the *“vast majority of sites that meet the Method A soil and groundwater cleanup levels will be protective of the PVI pathway.”*

The VIMS was designed and installed as a relatively cost-efficient, future control in consideration of advancing (urbanized) contiguous redevelopment in the Site area. Existing exposure pathways for soil vapor are not present at the Site, and operation of the VIMS is not necessary to achieve nor maintain regulatory compliance with MTCA. Therefore, no institutional control or financial assurance with respect to the VIMS, pursuant to WAC 173-340-360(2)(e), is required for the Property. Moreover, a requirement for an environmental covenant as an institutional control with respect to the VIMS would continue to burden MHS and imply potential human exposure from a hazard that no longer exists. The vapor barrier system installed as a component of the Site building’s foundation prevents vapor intrusion and accumulation.

Release and Migration

As previously stated, Cleanup Actions under MTCA, per WAC 173-340-360(2)(f), are required to prevent or minimize current and future releases and/or migration of releases of hazardous substances in the environment. As documented herein, completed soil excavation has met MTCA requirements for permanent reduction in COC toxicity, mobility, and volume. Site Cleanup Actions have effectively removed/minimized exposure risks posed by impacted surface soil/fill material and provides required, long-term protection of human health and the environment for the Property.

8.0 DATA EVALUATION AND VALIDATION

TGE reviewed data packages prepared by ESC/Pace Analytical in Mt. Juliet, Tennessee, Eurofins EMLab P&K in Houston, Texas and Eurofins TestAmerica in Seattle, Washington relative to sample analyses for the Site. The intended use of data generated by the current investigation was to provide limited Site characterization details relative to targeted COCs. Analyses performed were as follows:

Analytical Method	Analytical Method Description
SW-846 8260b	VOCs by gas chromatography/mass spectroscopy (GC/MS)
NWTPH-Dx	Semi-Volatile Organic Compounds by gas chromatography (GC)
NWTPH-Gx	VOCs by GC
SM-2540g	moisture/solid percentage by general chemistry
SW-846 7471A	mercury by cold vapor atomic absorption (CVAA)
SW-846 6020/7471A	RCRA-8 Metals by Inductively Coupled Plasma (ICP)
SW-846 9095A	per hydrogen ion (pH)
TO-15	VOCs by gas chromatography mass spectroscopy (GC/MS)
SW-846 8082A	Polychlorinated Biphenyls (PCBs) by Gas Chromatography
SW-846 1312	RCRA-8 Metals by synthetic precipitation leaching procedure (SPLP)
SW-846 1311	RCRA-8 Metals by Toxicity characteristic leaching procedure (TCLP)
SW-846 8270c	SVOCs by GC/MS
SW-846 8151a	Chlorinated herbicides by GC
SW 846 8141	Organophosphate pesticides by GC
SW-846 8081	Organochlorine pesticides by GC
SW-846 8270c	PAHs

Qualified Analytical Data

Upon analytical report review, select analytes (refer to Table 1 through Table 8) were denoted with a “J” or a “JN” flag. When a sample is denoted with a “J” or a “JN” flag, the analyte is a laboratory estimated value between the sample reporting limit (RL) and the method detection limit (MDL). The pH value from “SB1 (5-6)”, “SB7 (1-2)”, “SB14 (1-2)”, “SB14A (0-1)”, “SB14A (1-2)”, “SB14B (0-1)”, “SB14B (1-2)”, “SB14C (0-1)”, “SB14C (1-2)”, “SB14D (0-1)”, “SB14D (1-2)”, “SB15A (0-1)”, “SB15A (1-2)”, “SB15B (1-2)”, “SB15C (1-2)”, “SB15D (1-2)”, “SB16 (1-2)”, “SB16A (0-1)”, “SB16A (1-2)”, “SB16B (0-1)”, “SB16B (1-2)”, “SB16C (0-1)”, “SB16C (1-2)”, “SB16D (0-1)”, “SB16D (1-2)”, “SB17A (0-1)”, “SB17A (1-2)”, “SB17B (0-1)”, “SB17C (0-1)”, “SB17C (1-2)”, “SB17C (9-10)”, “SB20 (0-1)”, “SB20 (1-2)”, “SB22 (1-2)”, “SB24 (1-2)”, “SB46 (1-2)”, “SB50 (0-1)” and “TSB1 (52-53)” are denoted with “T8” flags. The “T8” flag indicates that a sample was analyzed outside of the holding time for the intended analysis; however, pH is considered an “immediate” test by the contract laboratory and is, therefore, typically associated with a “T8” flag.

The surrogate recovery value for soil samples “SB14 (2-3)”, “SB14A (0-1)”, “SB14B (0-1)”, “SB14B (1-2)”, “SB14C (0-1)”, “SB14D (0-1)”, “SB15A (0-1)”, “SB15C (0-1)”, “SB15C (1-2)”, “SB15C (2-3)”, “SB15D (0-1)”, “SB16 (0-1)”, “SB16 (1-2)”, “SB16A (0-1)”, “SB16B (0-1)”, “SB16C (0-1)”, “SB16D (1-2)”, “SB17 (0-1)”, “SB17 (3-4)”, “SB17A (0-1)”, “SB17B (0-1)”, “SB17C (0-1)”, “SB17C (1-2)”, “SB17C (9-10)”, “SB17F (6-8)”, “SB18 (0-1)”, “SB18 (2-3)”, “SB18(4-6)”, “SB20 (10-11)”, “SB21 (2-3)”, “SB21 (4-6)”, “SB22 (0-1)”, “SB22 (4-6)”, “SB23 (0-1)”, “SB23(4-6)”, “SB25 (1-2)”, “SB25 (3-4)”, “SB26 (0-1)”, “SB26 (4-6)”, “SB26 (8-9)”, “SB26 (10-11)”, “SB27 (8-9)”, “SB28 (0-1)”, “SB28 (2-3)”, “SB28 (4-6)”, “SB28 (11-12)”, “SB30 (0-0.5)”, “SB30 (0.5-1)”, “SB31 (0-0.5)”, “SB46 (1-2)”, “SB47 (0-1)”, “SB48 (0-1)”, “SB48 (1-2)”, “SB49 (0-1)”, “SB49 (1-2)”, “SB50 (0-1)”, “SB51 (0-1)”, “SB51 (1-2)”, “SB52 (0-1)”, “SB52 (1-2)”, “SB53 (0-1)”, “SB53 (1-2)”, “SB57 (0-1)”, “SB58 (0-1)”, “SB59 (0-1)”, “SB59 (1-2)”, “SB60 (0-1)”, “SB60 (1-2)”, “SB61 (0-1)”, “SB61 (1-2)”, “Bay 3 Sump Base”, “Bay 3 Sump (2’ Blw Base)”, “SB63 (4-6)”, “SB64 (0-3)”, “SB67 (0-3)”, “SB67 (4-6)”, “BI NE Sidewall”, “C1-3 Center”, “Sewer SEC S Side (4)”, “Sewer SEC W Side (4)”, and “Excavation N Side (10)” for NWTPH-DRO/RRO, various VOCs and OP pesticide analyses are associated with a “J7” flag. The J7 flag indicates

that surrogate recovery could not be used for control limit evaluation due to dilution; these samples were run at either 20, 50, 100, or 200 times dilution due to the presence DRO/RRO over the linear range of instrument capabilities.

The surrogate recovery value associated with VOC analysis for soil vapor sample “TVMP1” was associated with a “J1” flag. The J1 flag indicates that the surrogate recovery limits were exceeded and values were outside upper control limits.

The surrogate recovery value associated with pesticide analysis within lab packages L1161924 and L1165628 for soil samples “SB15B (0-1)”, “SB20 (2-3)”, and “SB30 (0-0.5)” was associated with a “J1” flag. The J1 flag indicates that the surrogate recovery limits were exceeded and values reported outside the upper control limits.

Site sample “SB31 (1.5-2)” from laboratory data package L1161924 was associated with a “P” flag. The P flag denotes the relative percent difference between the primary and confirmatory columns – and that this difference was greater than 40%; this condition was likely due to matrix interference. However, per laboratory QA/QC documentation, the data is considered valid under analyst approval with reference to confirmatory columns with less interference; and given that all other quality control objectives were met under associated laboratory quality objectives.

Matrix Spike/Matrix Spike Duplicate (MS/MSD)

Respecting laboratory QA/QC for data relied upon for this work, the matrix spike/matrix spike duplicate (MS/MSD) is performed as an indication of whether sample matrix interference occurred specific to the sample selected for analysis. This test is “sample-specific” and for laboratory informational use. Review of laboratory reports for Site samples reported qualifiers associated with certain analytes. However, per laboratory QA/QC documentation, sample detection limits provided were within applicable Ecology guidelines. These qualifiers were associated with “unrelated samples” (i.e., a batch sample not collected from the Property); and/or given that all other quality control objectives (including the laboratory control sample/laboratory control sample duplicate [LCS/LCSD]) were met, the data is considered valid.

Review of laboratory data report (L931900) soil sample “SB1 (5-6)” reported a “V” qualifier (“related to quality analysis/quality control batch sampling; sample concentrations were too high to evaluate accurate spike recoveries”) and may represent a slightly high bias. The laboratory control sample/laboratory control sample duplicate (LCS/LCSD) was reviewed for qualifiers for RRO and naphthalene and given that these constituents were not reported by the analytical laboratory within the LCS/LCSD, the data is considered valid.

The VOC analyte trichlorofluoromethane for the batch MS/MSD sample (lab package L946526) was associated with a J3 qualifier (associated with batch quality control precision). During the MS/MSD process a low amount of standard was utilized and the matrix spike recovery failed for trichlorofluoromethane; however, per laboratory QA/QC documentation, sample detection limits provided were within applicable Ecology guidelines, and this qualifier was associated with an “unrelated sample”

Review of laboratory reports L1017897, L1178043, L1184753, L1198738, and L1201106 for Site soil samples reported an “O1” qualifier related to sample matrix interference, which resulted in potentially elevated sample detection limits with regard to select RCRA metals. However, per laboratory quality analysis/quality control (QA/QC) documentation, these qualifiers were associated with “unrelated samples”.

Review of laboratory report L1025391 for Site soil sample “B6 (6)” reported a “P1” qualifier (“*Relative percent difference [RPD] value not applicable for sample concentrations less than 5 times the reporting limit*”) with regard to hexavalent chromium. Given that the variance in concentration between the sample result and sample duplicate was less than 5x the reporting limit, the elevated RPD is not applicable and the data is considered valid.

Review of laboratory reports for Site soil samples “SB15D (0-1)”, “SB17C (9-10)”, “SB17F (24-25)”, “SB18 (2-3)”, “SB24 (0-1)”, “SB27 (2-3)”, “Sewer SEC S Side (4)” and “Excavation E Side (10)” reported a “J6” qualifier (*“the sample matrix interfered with the ability to make any accurate determination; spike value is low”*) with regard to chromium, arsenic, lead, benzidine, 3,3-dichlorobenzidine and diesel range organics. However, per laboratory quality analysis/quality control (QA/QC) documentation, these qualifiers were associated with “unrelated samples” and sample detection limits provided were within Ecology guidelines.

Review of laboratory reports (L1017897, L1161924, L1177542, and L1018176) for various Site soil samples reported “J5” qualifiers (*“the sample matrix interfered with the ability to make any accurate determination; spike value is high”*) with regard to barium and various VOCs, organochlorine (OC) pesticides, and organophosphate (OP) pesticides. However, per laboratory quality analysis/quality control (QA/QC) documentation, these qualifiers were associated with “unrelated samples” and sample detection limits provided were within Ecology guidelines.

Laboratory reports L1018176, L1161400, and L1180387 reported “J2” qualifier (*“surrogate recovery limits have been exceeded; values are outside lower control limits”*) with regard to toluene-d8 and o-terphenyl. However, per laboratory QA/QC documentation, these qualifiers were associated with “unrelated samples”.

Review of the laboratory report L1161400 for Site soil samples reported “O1” qualifiers related to sample matrix interference, which resulted in potentially elevated sample detection limits with regard to select analytes. However, per laboratory quality analysis/quality control (QA/QC) documentation, these qualifiers were associated with “unrelated samples” and sample detection limits provided were within Ecology guidelines. Likewise, a detailed review of corresponding laboratory method blanks established that no analyte was reported at concentrations above method reporting limits.

Site soil samples “SB17B (2-3)” and “SB44 (2-3)” reported a “J3” qualifier (*“the associated batch QC was outside the estimated quality control range for precision”*) with regard to acetone, benzidine and 1,2,3-trichlorobenzene. However, per laboratory QA/QC documentation, sample detection limits as provided were within applicable laboratory guidelines – exceptions are tabulated below:

Reported MS/MSD Flags				
Lab Package	Flag	Flag Description	Analyte	Affected Sample IDs
L1017897	“J5”	<i>The sample matrix interfered with the ability to make any accurate determination; spike value is high</i>	Barium	B5 (9)
L1177542	“J5”	<i>The sample matrix interfered with the ability to make any accurate determination; spike value is high</i>	Aldrin Dieldrin	SB33 (1.5-2)
L1165628	“J3”	<i>The associated batch QC was outside the established quality control range for precision.</i>	Benzidine	SB17B (2-3)
L1177542	“J3”	<i>The associated batch QC was outside the established quality control range for precision.</i>	1,2,3-trichlorobenzene Acetone	SB44 (2-3) SB44 (6-8) SB44 (9-11) SB44 (15-16)
L931900	“V”	<i>Additional QC Info: The sample concentration is too high to evaluate accurate spike recoveries.</i>	Residual Range Organics	SB1 (5-6)

Reported MS/MSD Flags				
Lab Package	Flag	Flag Description	Analyte	Affected Sample IDs
L1017897 L1178043 L1184753 L1198738 L1201106 L1161400	"O1"	<i>The analyte failed both the method required serial dilution test and subsequent post-spike criteria. These failures indicate matrix interference.</i>	Barium Chromium Lead Silver	B-5 (9) SB42 (4-6) Bay 1 Sump Base SB65 (0-3) Sump Line (3) SB16 (10-12)
L1025391	"P1"	<i>RPD value not applicable for sample concentrations less than 5 times the reporting limit.</i>	Hexavalent Chromium	B6 (6)
L1229368	"J6"	<i>The sample matrix interfered with the ability to make any accurate determination; spike value is low</i>	Barium Chromium	Excavation E Side (10)
L1225705	"J6"	<i>The sample matrix interfered with the ability to make any accurate determination; spike value is low</i>	Lead	Sewer SEC S Side (4)
L1168120	"J6"	<i>The sample matrix interfered with the ability to make any accurate determination; spike value is low</i>	Arsenic	SB15D (0-1)
L116924	"J6"	<i>The sample matrix interfered with the ability to make any accurate determination; spike value is low</i>	Chromium	SB17F (24-25)
L116924	"J6"	<i>The sample matrix interfered with the ability to make any accurate determination; spike value is low</i>	Arsenic	SB24 (0-1)
L1165576	"J6"	<i>The sample matrix interfered with the ability to make any accurate determination; spike value is low</i>	Benzidine 3,3-dichlorobenzidine	SB17C (9-10)
L1165628	"J6"	<i>The sample matrix interfered with the ability to make any accurate determination; spike value is low</i>	Lead Diesel Range Organics	SB18 (2-3) SB27 (2-3)

Given that all other quality control objectives were achieved (including the LCS/LCSD), the data met laboratory quality objectives and is, therefore, considered valid.

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

LCS/LCSD is used by a laboratory to estimate/check precision and accuracy for each analyte in a method by batch and ensures that the analytical instrument in use is in "control" of any potential matrix interference inherent to the sample. No data qualifiers were listed within the LCS/LCSD data, which supersedes the MS/MSD, with the exception of the following:

Reported LCS/LCSD Flags					
Lab Package	Flag	Flag Description	Analyte	Affected Sample IDs	
L931900 L947070	"J4"	<i>The associated batch QC was outside the est. quality control range for accuracy.</i>	Bromobenzene 4-chlorotoluene 1,2-dichloroethane MCPA MCP Hexachloro-1,3-butadiene	SB1 (5-6) SB2 (2-3) SB3 (3-4) SB4 (2-3) SB5 (11-12)	SB7 (1-2) SB8 (0-1) SB9 (1-2) SB12 (1-2)
L1017897	"J4"	<i>The associated batch QC was outside the est. quality control range for accuracy.</i>	1,3-dichloropropane	B1 (4) B1 (9) B2 (4) B2 (8)	B3 (4) B3 (10) B4 (3)
L931900	"J3"	<i>The associated batch QC was outside the established quality control range for precision.</i>	2,4,5-T	SB3 (3-4)	
L1161400	"J4"	<i>The associated batch QC was outside the est. quality control range for accuracy.</i>	Methylene chloride Styrene	SB13 (0-1) SB13 (2-3) SB13 (4-6)	SB13 (8-9) SB14 (0-1)
L1161924	"J4"	<i>The associated batch QC was outside the est. quality control range for accuracy.</i>	Merphos EPN Dinoseb 1,1,2,2-tetrachloroethane n-Propylbenzene 2,2-dichloropropene Chloromethane Trichlorofluoromethane Styrene Chloroethane n-butylbenzene Vinyl Chloride	SB31 (0-0.5) SB30 (1.5-2) SB30 (1-1.5) SB30 (0.5-1) SB30 (0-0.5) SB29 (19-20) SB29 (16-17) SB29 (11-12) SB26 (10-11) SB26 (8-9) SB26 (4-6) SB26 (2-3) SB26 (0-1) SB25 (19-20) SB25 (16-17) SB25 (10-11) SB25 (8-9) SB25 (6-8) SB25 (3-4) SB25 (1-2) SB24 (4-6) SB24 (2-3) SB24 (0-1) SB20 (10-11) SB20 (4-6)	SB23 (4-6) SB23 (3-4) SB23 (0-1) SB22 (4-6) SB22 (2-3) SB22 (0-1) SB21 (9-11) SB21 (6-8) SB21 (2-3) SB20 (2-3) SB19 (4-6) SB19 (2-3) SB19 (0-1) SB18 (4-6) SB18 (2-3) SB18 (0-1) SB17F (24-25) SB17F (18-20) SB17F (10-11) SB17E (14-15) SB17E (9-10) SB15 (10-12) SB15 (2-3) SB15 (0-1)
L1165576	"J3"	<i>The associated batch QC was outside the established quality control range for precision.</i>	Hexachlorobenzene Pyrene	SB17C (9-10)	
L1166078	"J4"	<i>The associated batch QC was outside the est. quality control range for accuracy.</i>	Benzidine	SB17 (0-1)	

Reported LCS/LCSD Flags					
Lab Package	Flag	Flag Description	Analyte	Affected Sample IDs	
L1177542	"J4"	<i>The associated batch QC was outside the est. quality control range for accuracy.</i>	2-Chlorotoluene 1,2-debromo-3-chloropropane 1,1,1,2-tetrachloroethane 1,3,5-trimethylbenzene	SB44 (15-16)	
L1184715	"J4"	<i>The associated batch QC was outside the est. quality control range for accuracy.</i>	Acetone Acrylonitrile	Sump Line Midpoint (1)	
L1198738	"J4"	<i>The associated batch QC was outside the est. quality control range for accuracy.</i>	Acetone Dibromomethane	SB62 (0-3) SB62 (4-6) SB63 (0-3) SB63 (4-6)	SB64 (0-3) SB64 (4-6) SB65 (0-3) SB65 (4-6)
L1201933	"J4"	<i>The associated batch QC was outside the est. quality control range for accuracy.</i>	2,2-Dichloropropane	C3E Sidewall C3-1 Center C3-2 Center C3 N Sidewall	

- Within lab packages L931900, L947070 and L1201933, the "J4" flag associated with bromobenzene, 4-chlorotoluene, 1,2-dichloroethane, 2,2-dichloropropane, MCPP, MCPA and hexachloro-1,3-butadiene were determined to represent a slight high bias; however, as these constituents were reported below laboratory detection limits and/or below Ecology "action levels" within affected samples, the data was unaffected.
- Within lab package L1184715, the "J4" flag associated with acetone and acrylonitrile were determined to represent a slight low bias; however, as these constituents were reported below laboratory detection limits and/or below Ecology "action levels" within affected samples, the data was unaffected.
- Within lab packages L1017897 and L1161400, the "J4" flag associated with 1,3-dichloropropane, methylene chloride and styrene were determined to represent a slight high and low bias; however, as 1,3-dichloropropane, methylene chloride and styrene were reported below laboratory detection limits and/or below Ecology "action levels" within affected samples, the data was unaffected.
- Additionally, the analytes MCPA and MCPP (L931900) and naphthalene (L949489) were denoted with an "E" flag. An "E" flag signifies that the reported analyte(s) result exceeds the instrument calibration range. Given that numerous additional samples collected in this area did not report concentrations of MCPA, MCPP or naphthalene indicates that these outlier values are not characteristic of a site-specific finding; yet strong evidence of possible laboratory artifact cannot be ruled out. As such, laboratory protocol is to simply report the analytes that exceed the upper calibration limit with an E qualifier.
- Within lab package L931900, the "J3" flag associated with 2,4,5-T was reported above the relative percent difference (RPD); however, because this analyte was reported below laboratory detection limits and/or below Ecology 'action levels' within affected samples, the data was unaffected.
- Within lab package J98070, the "F1" and "F2" flags associated with arsenic were reported above the RPD; however, because this analyte was reported below laboratory detection limits and/or below Ecology 'action levels' within affected samples, the data was unaffected.

Method Blank

A detailed review of corresponding laboratory method blank within lab package L946745 established that 1,2,3-trichlorobenzene was reported within the method blank associated with the following samples: "SB6 (1-2)", "SB10 (1-2)", "SB11 (3-4)", and "SB11 (5-6)". Given that 1,2,3-trichlorobenzene was not detected within these samples and that because the blank detections were less than the method quantitation limit (MQL), the method blank detections represent "no statistical difference" when compared to Site-specific data; this indicates that while the introduction of a "laboratory artifact" or sample contamination may have occurred, such contamination was insignificant when compared to Site-specific analyte content and as such a "B" flag was not warranted by the laboratory.

A detailed review of corresponding laboratory method blanks established that arsenic was reported within blanks associated with soil sample "B3 (4)". As such, this analyte was denoted with a "B". The analyzing laboratory determined that because the blank detections were less than the method quantitation limit (MQL), the method blank detections represent "no statistical difference" when compared to Site-specific data; this indicates that while the introduction of "laboratory artifact" or sample contamination may have occurred, such contamination was insignificant when compared to Site-specific analyte content.

A detailed review of corresponding laboratory method blanks (1161924, L1161400, L1184753, L1198738, L1201106, L120933, L1202305, and L1202732) established that lead, mercury, silver, chloroform, NWTPH gasoline range hydrocarbons, 1,2,3-trimethylbenzene, 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, ethylbenzene, naphthalene, and methyl ethyl ketone (MEK) were reported within blanks associated with soil samples; "SB13 (0-1)", "SB13 (2-3)", "SB13 (4-6)", "SB13 (8-9)", "SB14 (0-1)", "SB14 (2-3)", "SB14 (10-12)", "SB16 (0-1)", "SB15 (0-1)", "SB15 (2-3)", "SB15 (10-12)", "SB16 (2-3)", "SB16 (10-12)", "SB16D (6-8)", "SB16D (14-15)", "SB17 (0-1)", "SB17 (6-8)", "SB17 (14-15)", "SB17A (7-8)", "SB17A (12-13)", "SB17C (2-3)", "SB17C (14-15)", "SB17E (9-10)", "SB17E (14-15)", "SBF (10-11)", "SB17F (18-20)", "SB17F (24-25)", "SB18 (0-1)", "SB18 (2-3)", "SB18 (4-6)", "SB19 (0-1)", "SB19 (2-3)", "SB19 (4-6)", "SB20 (2-3)", "SB20 (4-6)", "SB20 (10-11)", "SB21 (2-3)", "SB21 (6-8)", "SB21 (9-11)", "SB22 (0-1)", "SB22 (2-3)", "SB22 (4-6)", "SB23 (0-1)", "SB23 (3-4)", "SB23 (4-6)", "SB24 (0-1)", "SB24 (2-3)", "SB24 (4-6)", "SB25 (3-4)", "SB25 (6-8)", "SB25 (8-9)", "SB25 (10-11)", "SB25 (16-17)", "SB25 (19-20)", "SB26 (16-17)", "SB26 (19-20)", "SB27 (1-2)", "SB27 (3-4)", "SB27 (6-8)", "SB27 (8-9)", "SB27 (10-11)", "SB27 (16-17)", "SB28 (0-1)", "SB28 (2-3)", "SB28 (4-6)", "SB28 (8-9)", "SB28 (11-12)", "SB28 (16-17)", "SB28 (19-20)", "SB29 (0-1)", "SB29 (3-4)", "SB29 (6-8)", "SB29 (9-10)", "SB31 (1.5-2)", "Sump Line Midpoint (1)", "Bay 1 Sump E Sidewall", "Bay 4 Sump Line End", "Bay 3 Sump Base", "Bay 3 N. Sidewall", "Bay 3 S Sidewall", "Bay 3 E Sidewall", "SB62 (0-3)", "SB62 (4-6)", "SB63 (0-3)", "SB63 (4-6)", "SB64 (0-3)", "SB64 (4-6)", "SB65 (0-3)", "SB65 (4-6)", "SB66 (0-3)", "SB66 (4-6)", "SB67 (0-3)", "SB67 (4-6)", "C3E Sidewall", "C3-1 Center", "C3-2 Center", "C3 N Sidewall", "E2 Center", and "Septic Base (9)". Given that the blank detections were less than the MQL, the method blank detections represent "no statistical difference" when compared to Site-specific data; this indicates that while the introduction of "laboratory artifact" or sample contamination may have occurred, such contamination was insignificant when compared to Site-specific analyte content.

Review of corresponding laboratory method blanks within laboratory data packages L1165628, L1177542 and L1178043 established that arsenic, naphthalene, 1,2,4-trimethylbenzene, 2-Butanone and NWTPH GRO were reported within blanks associated with soil samples "SB44 (2-3)", "SB44 (9-11)", "SB16D (3-4)", "SB17F (6-8)", "SB21 (2-3)", "SB22 (2-3)", "SB44 (6-8)", "SB22 (4-6)", "SB46 (0-1)", and "SB46 (1-2)". As such, these analytes were denoted with a "B". The analyzing laboratory determined that because the blank detections were less than the method quantitation limit (MQL), the method blank detections represent "no statistical difference" when compared to Site-specific data; this indicates that while the introduction of "laboratory artifact" or sample contamination may have occurred, such contamination was insignificant when compared to Site-specific analyte content.

Based on the above-referenced review and the project level of required performance, laboratory data presented herein was considered valid as qualified.

9.0 FINDINGS AND RECOMMENDATIONS

In compliance with the State of Washington's MTCA (Chapter 70.105D RCW), necessary and appropriate environmental investigation and remedial action was performed at the Site. This work was executed to support the responsible party's Site redevelopment strategy in advance of facility occupancy; with the primary goal being responsible risk mitigation for intended use in healthcare.

9.1 Findings

The follow objectives were met: CULs were established; impacts to soil were delineated and impacted soil was removed; derelict subsurface features (sumps, septic tank and piping) were removed; regulatory requirements/remedial cleanup standards were met; and completion of IRA to support regulatory case closure has been demonstrated.

9.2 Recommendation

With achievement of CULs for the Site, the requirements of MTCA have been met such that the Site qualifies for a "no further action" (NFA) designation. The responsible party is committed to ongoing VIMS compliance monitoring and reporting for a time period not less than a year (including four consecutive, quarterly events). However, this system was not installed under state mandate; conversely, it was installed with the singular purpose of demonstrating operational and effective (future) risk mitigation on the part of the responsible party for the hospital's future use.

In addition, upon completion of four consecutive, quarterly events demonstrating an absence of an exposure risk posed by soil vapor intrusion into the newly-constructed Site building, TGE respectfully requests Ecology not require an institutional control be assigned to the Property. Per WAC 173-340-440(4), an institutional control is only required "*to assure both the continued protection of human health and the environment and the integrity of an interim action or cleanup action*". Upon demonstrating an absence of an exposure risk posed by soil vapor intrusion into the newly-constructed Site building, an environmental covenant for "*long term monitoring and a contingency plan*" as an institutional control will be unwarranted and unnecessary per the provisions of MTCA.

Therefore, TGE recommends concurrence on behalf of Ecology that IRA has been performed and that the Site warrants written/conclusive Ecology NFA determination via the VCP at this time.

10.0 QUALIFICATIONS

Our professional services have been performed, our findings obtained, and our recommendations provided in accordance with customary principles and practices in the fields of environmental science, geoscience and engineering. This company is not responsible for independent conclusions, opinions, or recommendations made by others based on the field exploration and laboratory test data presented in this report.

Work performed in conjunction with this assessment and data developed are intended as a description of available information at the dates and locations given. This report does not warrant against future operations or conditions, nor does it warrant against operations or conditions present of a type or at a location not investigated.

Conclusions presented in this report are professional opinions based solely upon visual observations and preliminary testing of soil and soil vapor at the Site, as described in this report. This report is intended exclusively for the purpose outlined herein and at the Property indicated. This report is intended for the sole use of Client, and their representatives. The scope of services performed in execution of this investigation may not be appropriate to satisfy the needs of other users, and any use or re-use of this document or its findings, conclusions, or recommendations presented herein is at the sole risk of said user.

It should be recognized that this study was not intended to be a definitive investigation of contamination across the Property. Although the scope of services for this investigation included exploratory borings and analytical testing of soil and soil vapor, it is possible that currently unrecognized contamination may exist at the Site and that the levels of this potential contamination may vary across the Property.

Opinions and recommendations presented herein apply to Site conditions existing at the time of our investigation and those reasonable foreseeable. They cannot necessarily apply to Site changes of which this company is not aware and has not had the opportunity to evaluate.

11.0 REFERENCES

ASTM Guidance

ASTM E1903-19, Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process, ASTM International, West Conshohocken, PA, 2019, www.astm.org.

ASTM E1527-13, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, ASTM International, West Conshohocken, PA, 2013, www.astm.org.

Topographic Map

USGS 7.5-minute Topographic Map, Poverty Bay, Washington Quadrangle (2014).

Area Soil Map

US Department of Agriculture Soil Conservation Service Soil Survey of King County, Washington.

Geologic Map

Washington Department of Natural Resources, Geologic Map of Washington State (2005).

CLARC Tables

Model Toxics Control Act (MTCA) Cleanup Levels and Risk Calculation (CLARC) Levels Tables, last revised February 2021, <https://fortress.wa.gov/ecy/clarc/CLARCHome.aspx>.

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USEPA, "OSWER Technical Guide for Assessing and Mitigating the Vapor Intrusion Pathway from Subsurface Vapor Sources to Indoor Air", OSWER Publication 9200.2-154, June, 2015 <http://www.epa.gov/oswer/vaporintrusion/documents/OSWER-Vapor-Intrusion-Technical-Guide-Final.pdf>.

USEPA Regional Screening Levels table, November 2019, http://www.epa.gov/reg3hwmd/risk/human/rb-concentration_table/Generic_Tables/index.htm.

Pierce County

"City of Federal Way Official Zoning Map" as based upon City of Federal Way Ordinance #19-856, revised April 10, 2019, https://www.cityoffederalway.com/sites/default/files/maps/zoning_0.pdf.

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Washington State Department of Ecology, 1998. "Terrestrial Ecological Evaluation". Publication No. ECY 090-300. February 1998 (Revised December 2018). Website: <https://fortress.wa.gov/ecy/publications/SummaryPages/ecy090300.html>

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Washington State Department of Ecology, 2009. "Draft: Guidance for Evaluating Soil Vapor Intrusion in Washington State: Investigation and Remedial Action". Publication No. 09-09-047. October 2009 (Revised April 2018). Website: <https://fortress.wa.gov/ecy/publications/SummaryPages/0909047.html>.

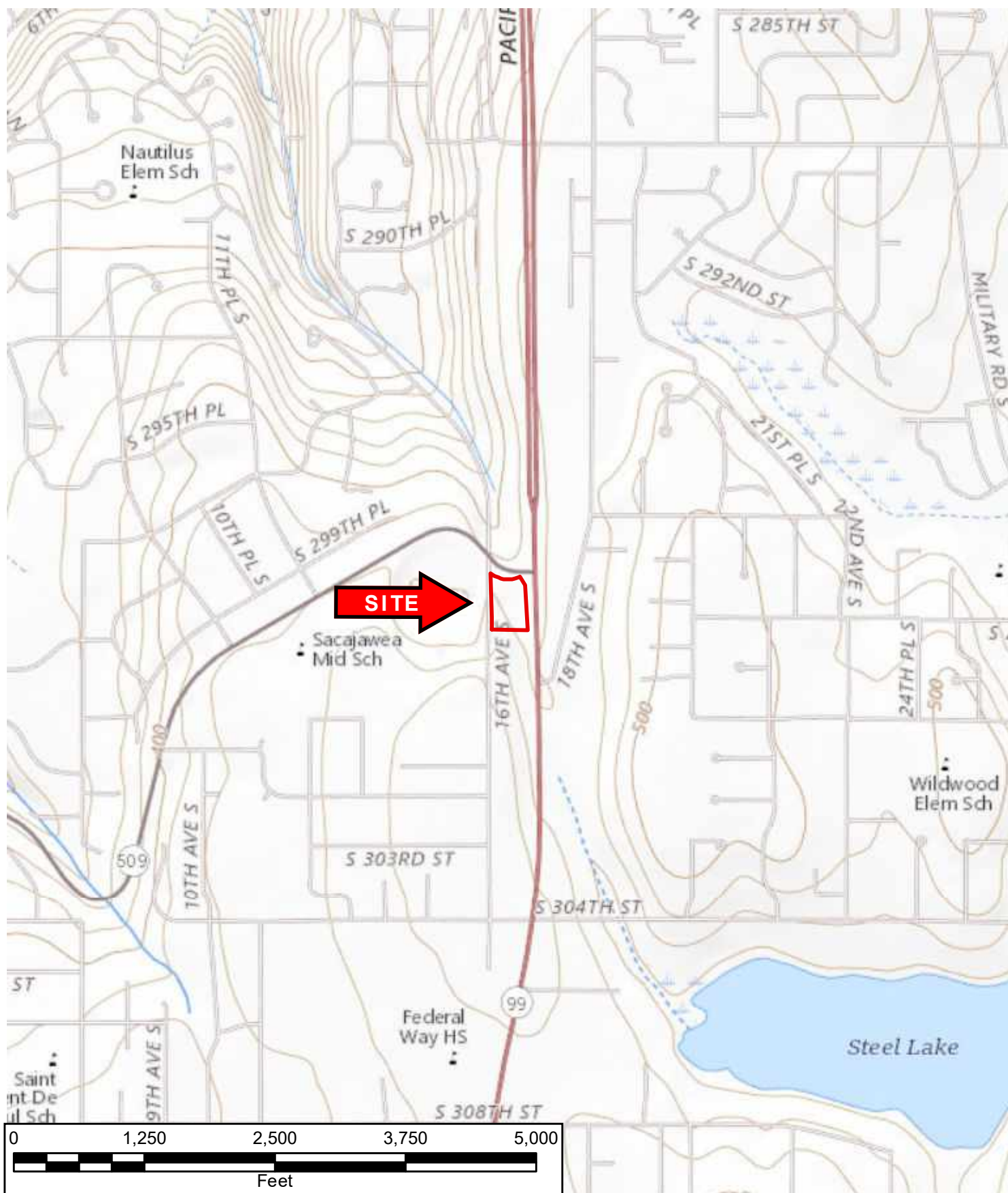
Washington State Department of Ecology, 2012. Washington State Well Log Viewer. Website: <https://fortress.wa.gov/ecy/wellconstruction/map/wclwebMap/default.aspx>.

Washington State Department of Ecology, 2012. "Remedial Investigation Checklist". Publication No. 16-09-006. May 2016.

WASHINGTON DEPARTMENT OF FISH & WILDLIFE

Washington Department of Fish & Wildlife – Priority Habitats and Species List viewer of state and federally-listed endangered, threatened, and sensitive species and associated habitats, <http://apps.wdfw.wa.gov/phsontheweb/>.

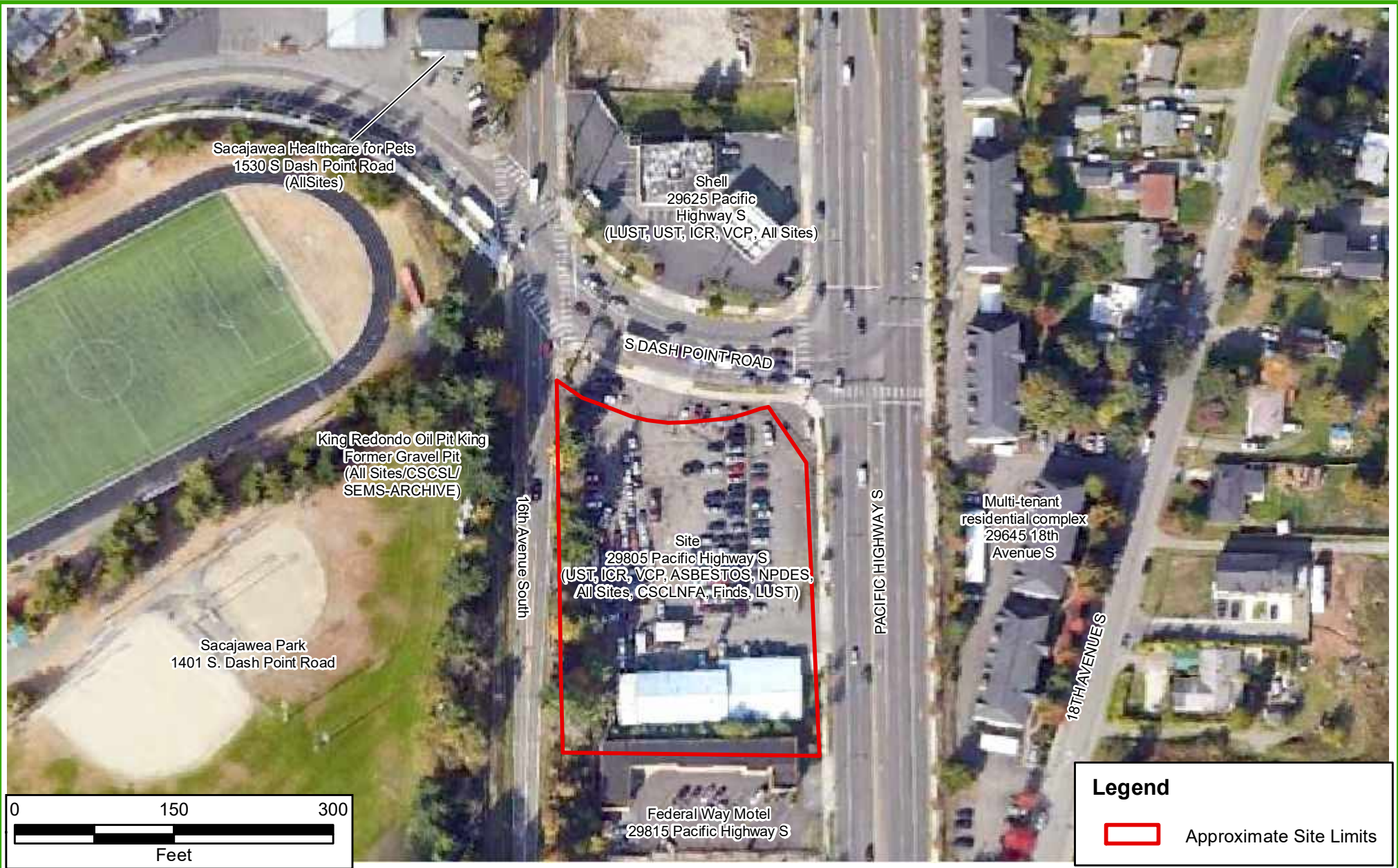
FIGURES



Former Payless Auto Mart
29805 Pacific Highway South
Federal Way, King County, WA
TGE Project No.: R13411.07



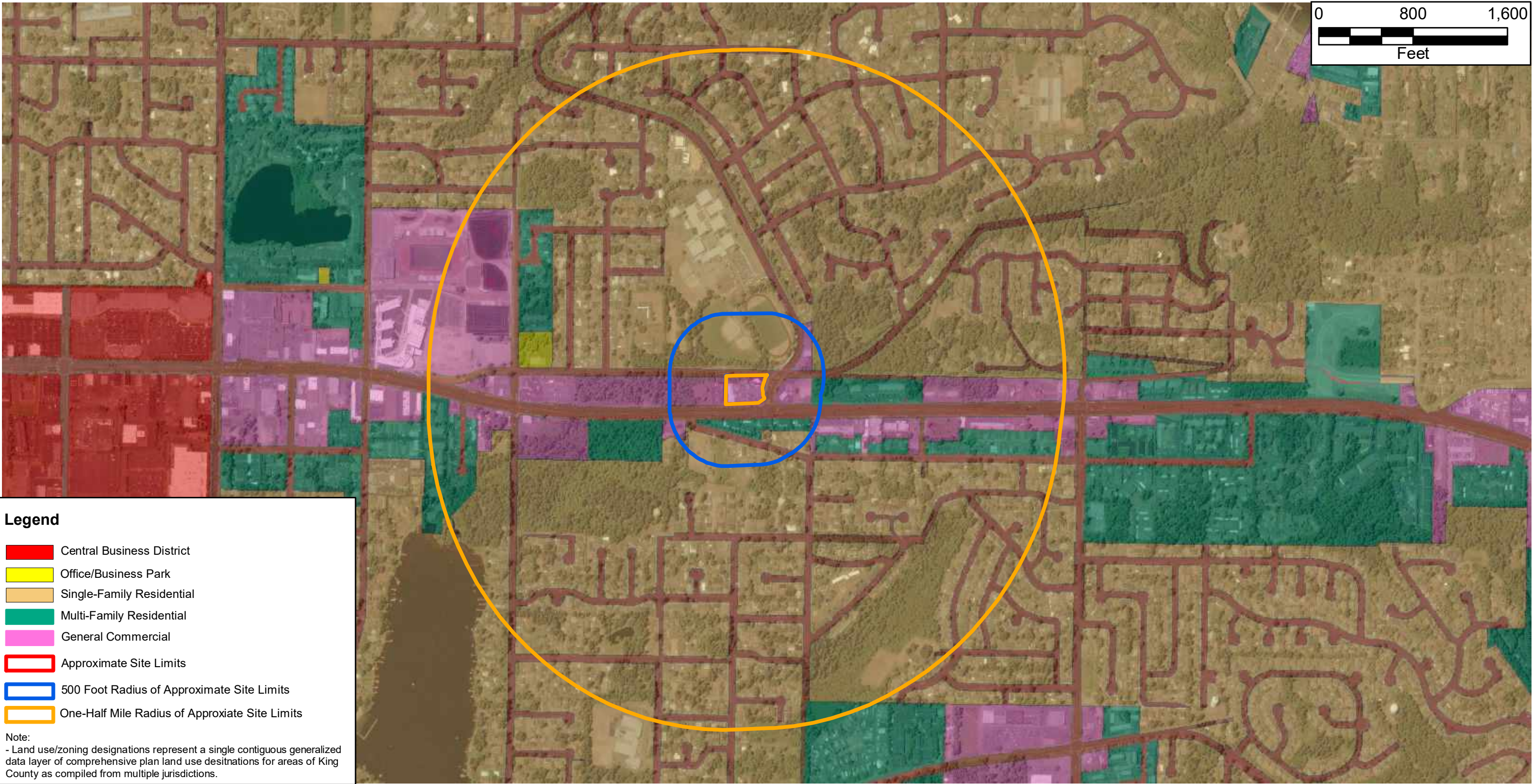
Figure 1
Site Location Map
USGS 7.5 Minute Series Topographic Map
Poverty Bay, Washington Quadrangle
2014



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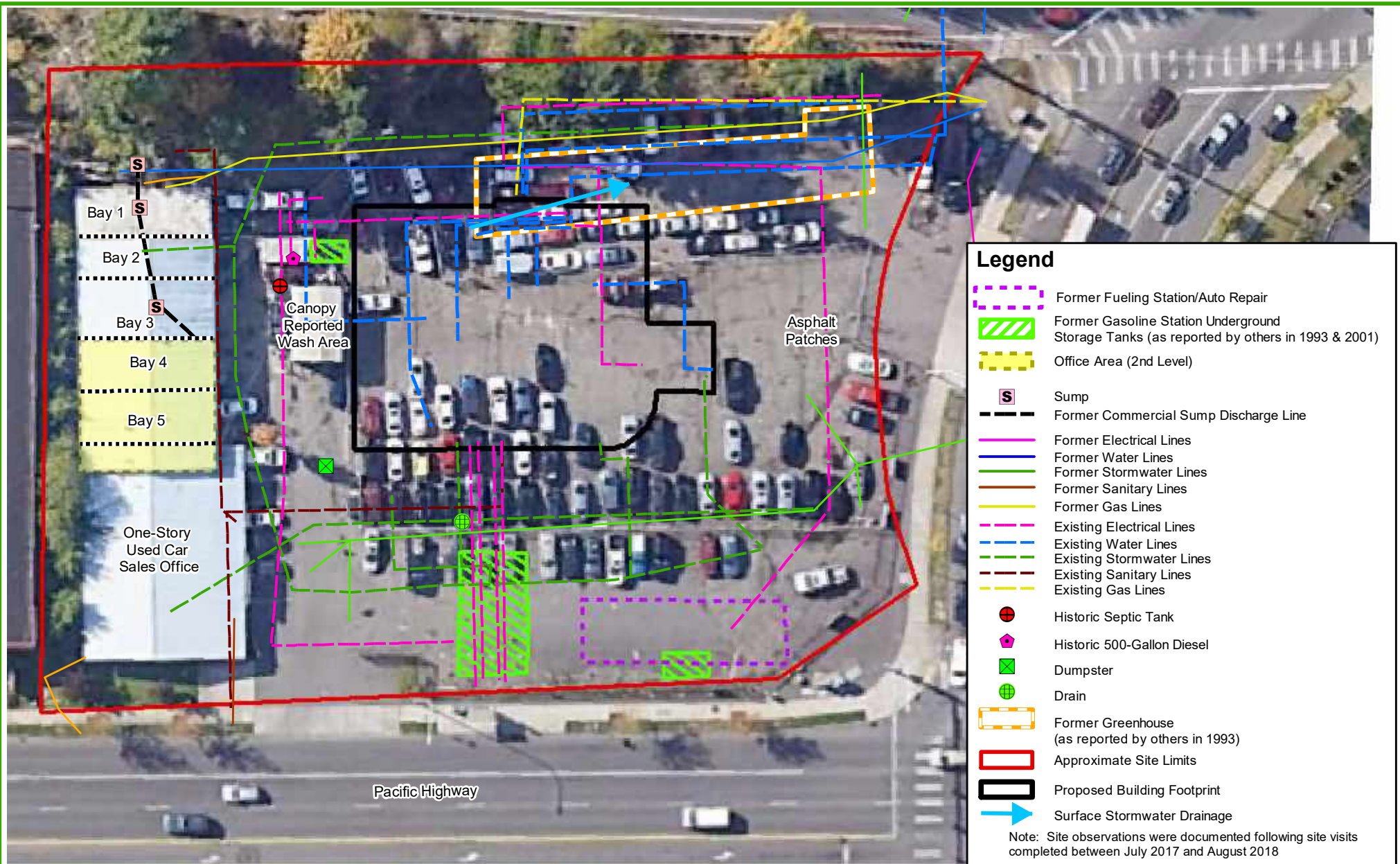
Figure 2
Site Vicinity Map



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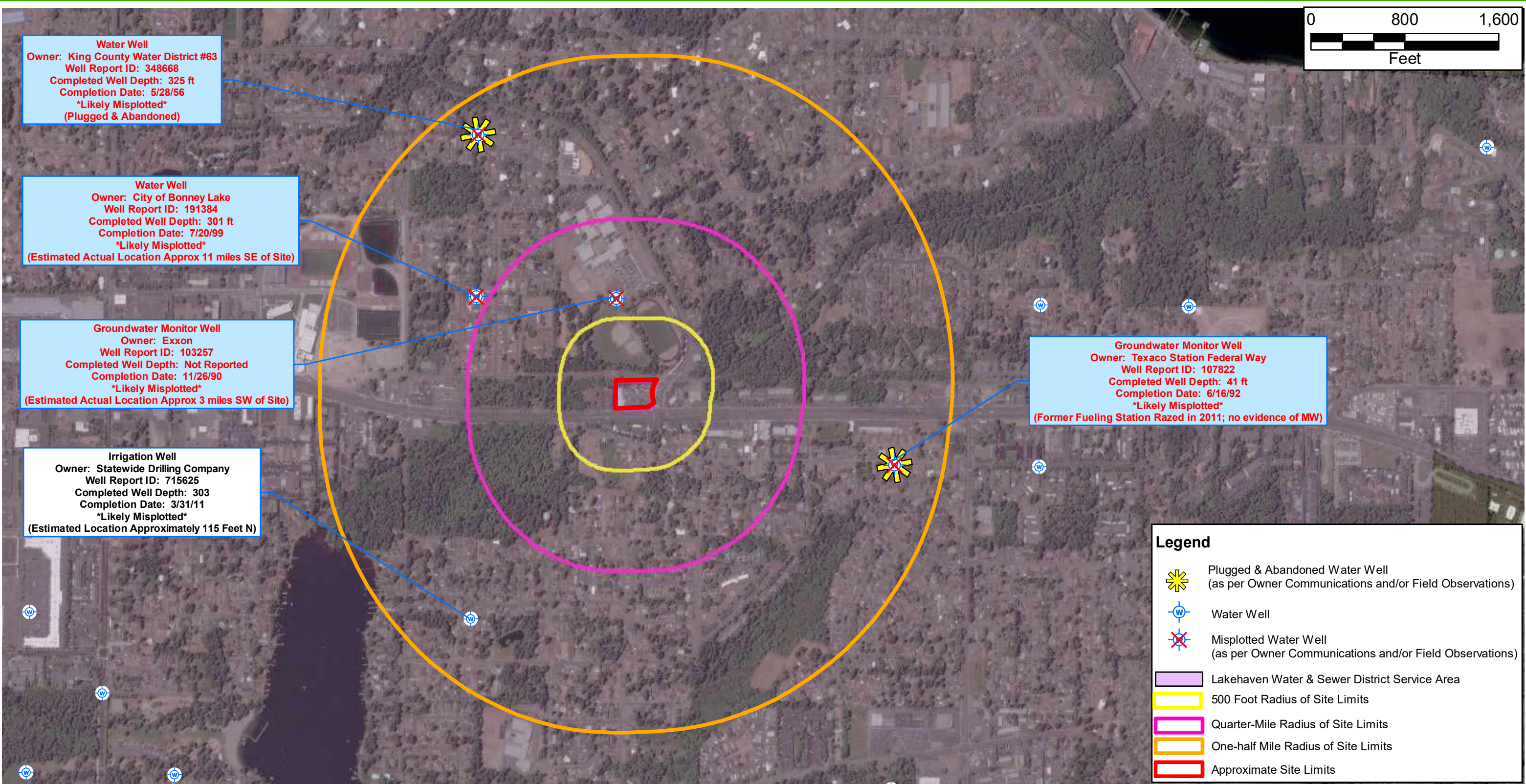
Figure 3
King County Zoning
Designations Map



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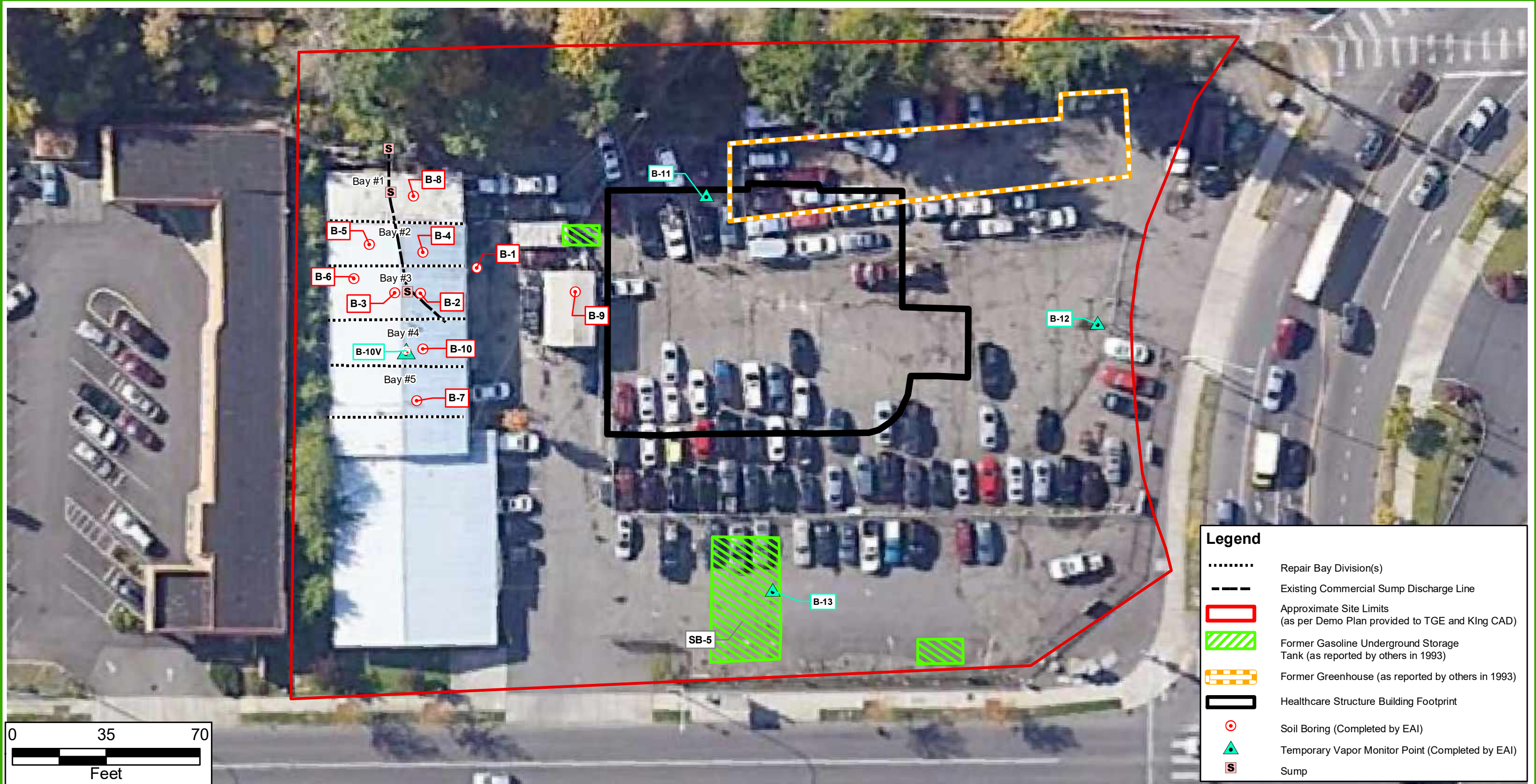
Figure 4
Site Details Map



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Figure 5
Water Well Search Map

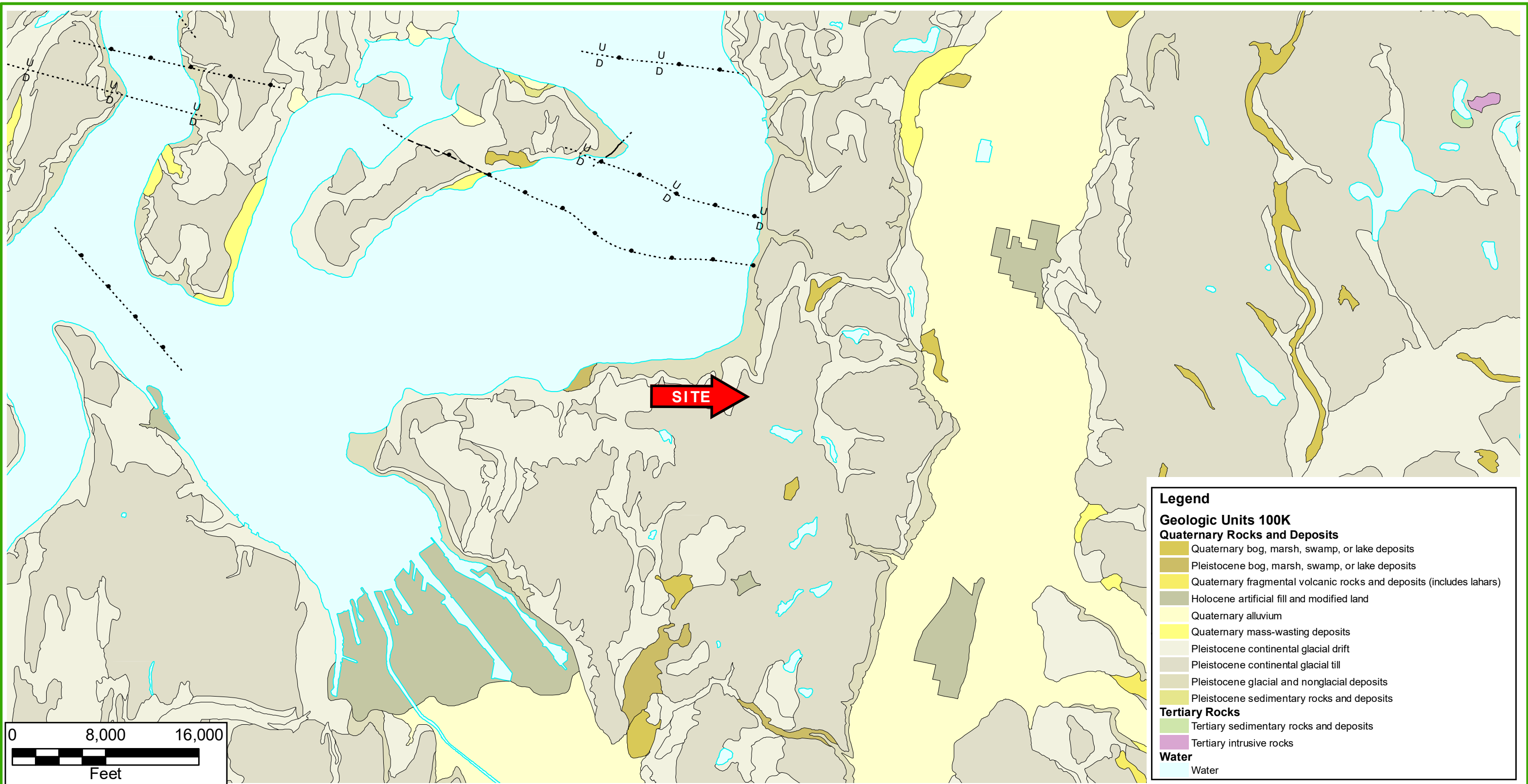


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Figure 7
Boring Location Map
(Split Sampling Event with EAI)

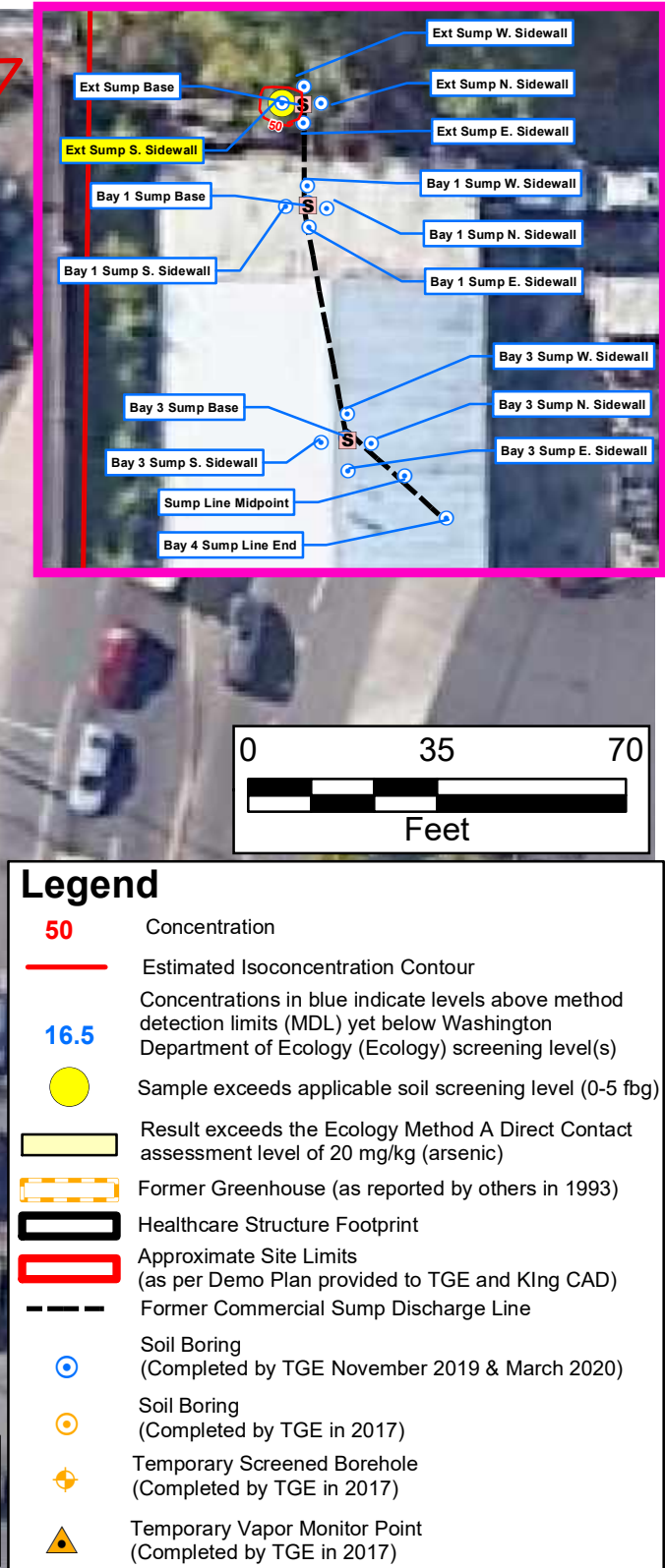


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Figure 8
Regional Geology Map

Sample ID	Sample Depth	Arsenic Concentration (mg/kg)
SB-15	0-1 fbg	43.1
	1-2 fbg	3.26
SB-15B	0-1 fbg	36.4
	1-2 fbg	NT
	2-3 fbg	3.36
	3-4 fbg	22.6
SB-24	0-1 fbg	102
	1-2 fbg	NT
	2-3 fbg	7.22
SB-30	0-0.5 fbg	338
	0.5-1 fbg	291
	1-1.5 fbg	142
	1.5-25 fbg	86.9
SB-31	0-0.5 fbg	59.3
	0.5-1 fbg	51.7
	1-1.5 fbg	125
	1.5-25 fbg	163
SB-32	0-0.5 fbg	56.4
	0.5-1 fbg	13.7
	1-1.5 fbg	26.8
	1.5-2 fbg	29.5
SB-33	0-0.5 fbg	69.1
	0.5-1 fbg	64.9
	1-1.5 fbg	117
	1.5-2 fbg	52.8
SB-34	0-0.5 fbg	35.1
	0.5-1 fbg	8.22
	1-1.5 fbg	214
	1.5-2 fbg	223
SB-35	0-0.5 fbg	70
	0.5-1 fbg	65.1
	1-1.5 fbg	40
	1.5-2 fbg	22.8
SB-38	0-0.5 fbg	20.7
	0.5-1 fbg	36.4
	1-1.5 fbg	36.9
	1.5-2 fbg	0.353 J
SB-58	0-0.5 fbg	34.6
	0.5-1 fbg	47.7
	1-1.5 fbg	4.03
	1.5-2 fbg	35.3
SB-72	0-0.5 fbg	28.9
	0.5-1 fbg	48.6
	1-1.5 fbg	9.95
	1.5-2 fbg	9.22
EXTERIOR SUMP BASE	3 fbg	1.490 J
EXT SUMP E SIDEWALL	3 fbg	6.28
EXT SUMP N SIDEWALL	3 fbg	54.8
EXT SUMP S SIDEWALL	3 fbg	



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Figure 9
Surface Soil Isopleth Concentration Map
(Arsenic)

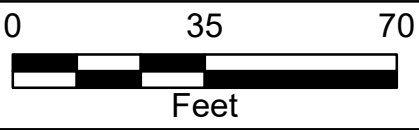
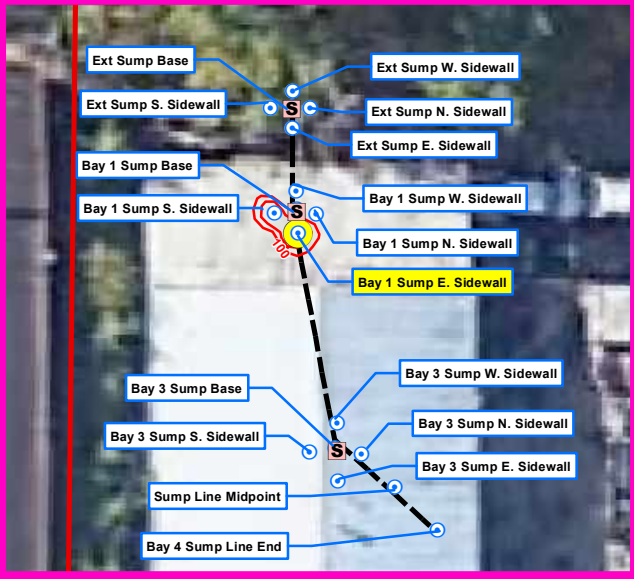


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Figure 10
Surface Soil Isopleth Concentration Map
(Cadmium)

Sample ID	Sample Depth	Lead Concentration (mg/kg)
SB-21	2-3 fbg	684
	4-6 fbg	NT
	6-8 fbg	256
	9-11 fbg	105
SB-26	0-1 fbg	137
	2-3 fbg	251
	4-6 fbg	185
	8-9 fbg	261
	10-11 fbg	320
	11-12 fbg	76.5
SB-30	0-0.5 fbg	301
	0.5-1 fbg	261
	1-1.5 fbg	127
	1.5-25 fbg	74.6
BAY 1 SUMP E SIDEWALL	3-3.5 fbg	27.5
	4 fbg	239



Legend

50

Concentration

Estimated Isoconcentration Contour

16.5

Concentrations in blue indicate levels above method detection limits (MDL) yet below Washington Department of Ecology (Ecology) screening level

Sample exceeds applicable soil screening level (0-5 fbg)

Result exceeds the Ecology Method A Direct Contact assessment level of 250 mg/kg (lead)

Result exceeds the Ecology Simplified TEE Unrestricted Land Use assessment level of 220 mg/kg (lead)

Former Greenhouse (as reported by others in 1993)

Healthcare Structure Footprint

Approximate Site Limits (as per Demo Plan provided to TGE and King CAD)

Former Commercial Sump Discharge Line

Soil Boring (Completed by TGE November 2019 & March 2020)

Soil Boring (Completed by TGE in 2017)

Temporary Screened Borehole (Completed by TGE in 2017)

Temporary Vapor Monitor Point (Completed by TGE in 2017)

Note:
- Site features estimated from March 2019 engineered drawings as provided to TGE on October 31, 2019.
- Aerial obtained from Google Earth dated 7/1/2018
- Inset table above provides data for elevated lead concentrations in surface soils (0-5 fbg). Further information provided for reference in Table 1 of Remedial Investigation Report (RIR)

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Figure 11
Surface Soil Isopleth Concentration Map
(Lead)



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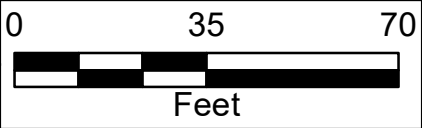
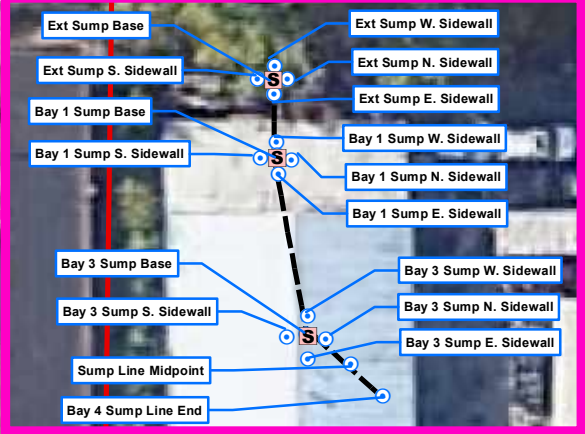


Figure 12
Surface Soil Isopleth Concentration Map
(Total Chromium)

Sample ID	Sample Depth	Dieldrin Concentration (mg/kg)	1,1,2,2-TCA Concentration (mg/kg)
SB-21	2-3 fbg	NT	0.0236
SB-30	0-0.5 fbg	0.00314 J	<0.000415
	0.5-1 fbg	0.00290 J	<0.000416
	1-1.5 fbg	0.00200 J	<0.000442
	1.5-25 fbg	0.00245 J	<0.000424
SB-31	0-0.5 fbg	0.00249 J P	<0.000425
	0.5-1 fbg	0.00201 J P	<0.000438
	1-1.5 fbg	0.00657 J P	<0.000506
	1.5-25 fbg	0.00549 J P	<0.000438
SB-33	3-3.5 fbg	0.00291 J	NT
	4.5-5 fbg	<0.00163	NT
	0.5-1 fbg	0.0443	NT
	1-1.5 fbg	0.0743	NT
	1.5-2 fbg	0.0594	NT
	5-6 fbg	0.0794	NT
	8-9 fbg	0.0496	NT
	10-11 fbg	0.00290 J	NT
	11-12 fbg	<0.0017	NT



Note:
- Site features estimated from March 2019 engineered drawings as provided to TGE on October 31, 2019.
- Aerial obtained from Google Earth dated 7/1/2018
- Inset table above provides data for elevated 1,1,2,2-TCA and/or dieldrin concentrations in surface soils (0-5 fbg). Further information provided for reference in Table 1 of Remedial Investigation Report (RIR)



Legend

50

Concentration (1,1,2,2 - TCA)

Isoconcentration Contour (estimated based on laboratory data) - 1,1,2,2 TCA

50

Concentration (Dieldrin)

Isoconcentration Contour (estimated based on laboratory data) - Dieldrin

Sample exceeds applicable soil screening level (0-5 fbg)

Result exceeds the Ecology Soil Protective of Groundwater assessment level of 0.0012 mg/kg for tetrachloroethane, 1,1,2,2- and/or 0.0028 mg/kg for dieldrin.

16.5

Concentrations in blue indicate levels above method detection limits (MDL) yet below Washington Department of Ecology (Ecology) screening level(s)

Former Greenhouse (as reported by others in 1993)

Healthcare Structure Footprint

Approximate Site Limits (as per Demo Plan provided to TGE and King CAD)

Former Commercial Sump Discharge Line

Soil Boring (Completed by TGE November 2019 & March 2020)

Soil Boring (Completed by TGE in 2017)

Temporary Screened Borehole (Completed by TGE in 2017)

Temporary Vapor Monitor Point (Completed by TGE in 2017)

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Figure 13
Surface Soil Isopleth Concentration Map
(1,1,2,2-TCA and Dieldrin)

Sample ID	Sample Depth	NWTPHGx Concentration (mg/kg)
SB-20	0-1 fbg	NT
	1-2 fbg	116
	2-3 fbg	78.4
	4-6 fbg	21.2



Note:
- Site features estimated from March 2019 engineered drawings as provided to TGE on October 31, 2019.
- Aerial obtained from Google Earth dated 7/1/2018
- Inset table above provides data for elevated gasoline range organics concentrations in surface soils (0-5 fbg). Further information provided for reference in Table 1 of Remedial Investigation Report (RIR)

Legend

50

Concentration

Estimated Isoconcentration Contour

Sample exceeds applicable soil screening level (0-5 fbg)

Result exceeds the Ecology Method A Direct Contact assessment level of 30 mg/kg (NWTPH-Gx)

16.5

Concentrations in blue indicate levels above method detection limits (MDL) yet below the Washington Department of Ecology (Ecology) screening level

Former Greenhouse (as reported by others in 1993)

Healthcare Structure Footprint

Approximate Site Limits
(as per Demo Plan provided to TGE and King CAD)

Former Commercial Sump Discharge Line

Soil Boring
(Completed by TGE November 2019 & March 2020)

Soil Boring
(Completed by TGE in 2017)

Temporary Screened Borehole
(Completed by TGE in 2017)

Temporary Vapor Monitor Point
(Completed by TGE in 2017)

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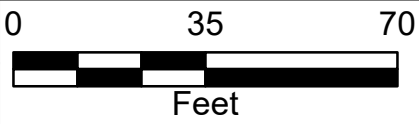


Figure 14
Surface Soil Isopleth Concentration Map
(Gasoline Range Petroleum Hydrocarbons)

Sample ID	Sample Depth	Total Diesel/Oil Range Organics (mg/kg)
SB14B	0 - 1 ft	2847
	1 - 2 ft	708
SB-15	0 - 1 ft	3271
	1 - 2 ft	80.8
	10 - 12 ft	25.9
SB-15A	0 - 1 ft	7100
	1 - 2 ft	1253
SB17	2 - 3 ft	1746
	0 - 1 ft	2435
	1 - 2 ft	146.9
	2 - 3 ft	225
	3 - 4 ft	863
SB17C	6 - 8 ft	38.21
	14 - 15 ft	39.5
	0 - 1 ft	2531
	1 - 2 ft	1726
	2 - 3 ft	37.8
SB17C	9 - 10 ft	1215
	14 - 15 ft	
BAY 3 E SIDEWALL	5 ft	911
BAY 3 N SIDEWALL	5 ft	841
BAY 3 S SIDEWALL	5 ft	459
BAY 3 SUMP 2 FT BELOW BASE	5 ft	3350
BAY 3 W SIDEWALL	5 ft	401



Note:
- Site features estimated from March 2019 engineered drawings as provided to TGE on October 31, 2019.
- Aerial obtained from Google Earth dated 7/1/2018
- Inset table above provides data for elevated total petroleum hydrocarbons (diesel range + oil range) concentrations in surface soils (0-5 fbg). Further information provided for reference in Table 1 of the Remedial Investigation Report (RIR)



Legend

50

Concentration

Estimated Isoconcentration Contour

Sample exceeds applicable soil screening level (0-5 fbg)

Result exceeds the Ecology Method A Direct Contact assessment level of 2,000 mg/kg (diesel + oil range)

16.5

Concentrations in blue indicate levels above method detection limits (MDL) yet below Washington Department of Ecology (Ecology) screening level(s)

Former Greenhouse (as reported by others in 1993)

Healthcare Structure Footprint

Approximate Site Limits
(as per Demo Plan provided to TGE and King CAD)

Former Commercial Sump Discharge Line

Soil Boring
(Completed by TGE November 2019 & March 2020)

Soil Boring
(Completed by TGE in 2017)

Temporary Screened Borehole
(Completed by TGE in 2017)

Temporary Vapor Monitor Point
(Completed by TGE in 2017)

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Figure 15
Surface Soil Isopleth Concentration Map
(Total Diesel/Oil Range Petroleum Hydrocarbons)



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TGE Project No.: R13411.07



Figure 16
Approximate Excavation Zone Limits &
Confirmation Soil Sample Map

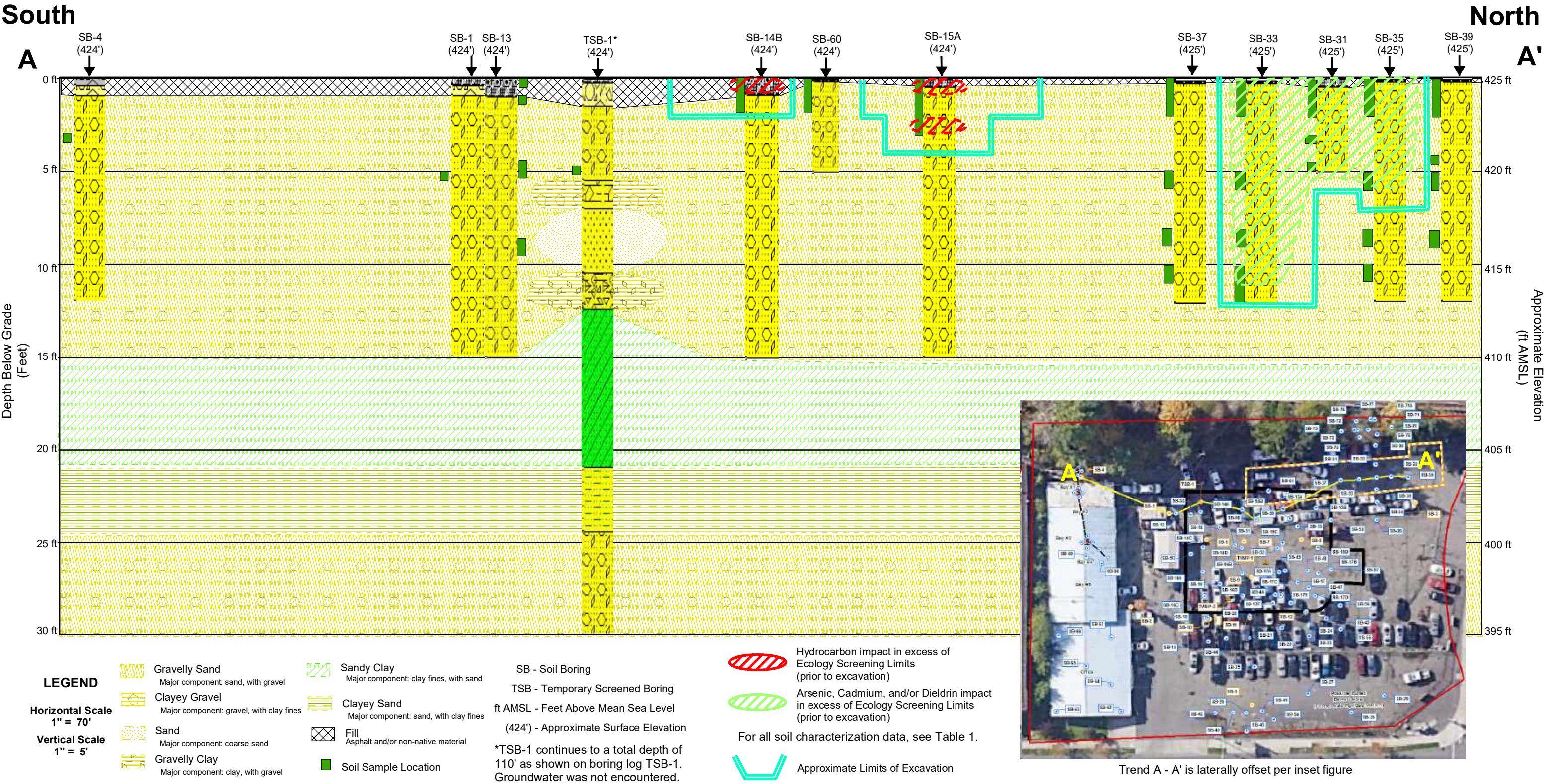


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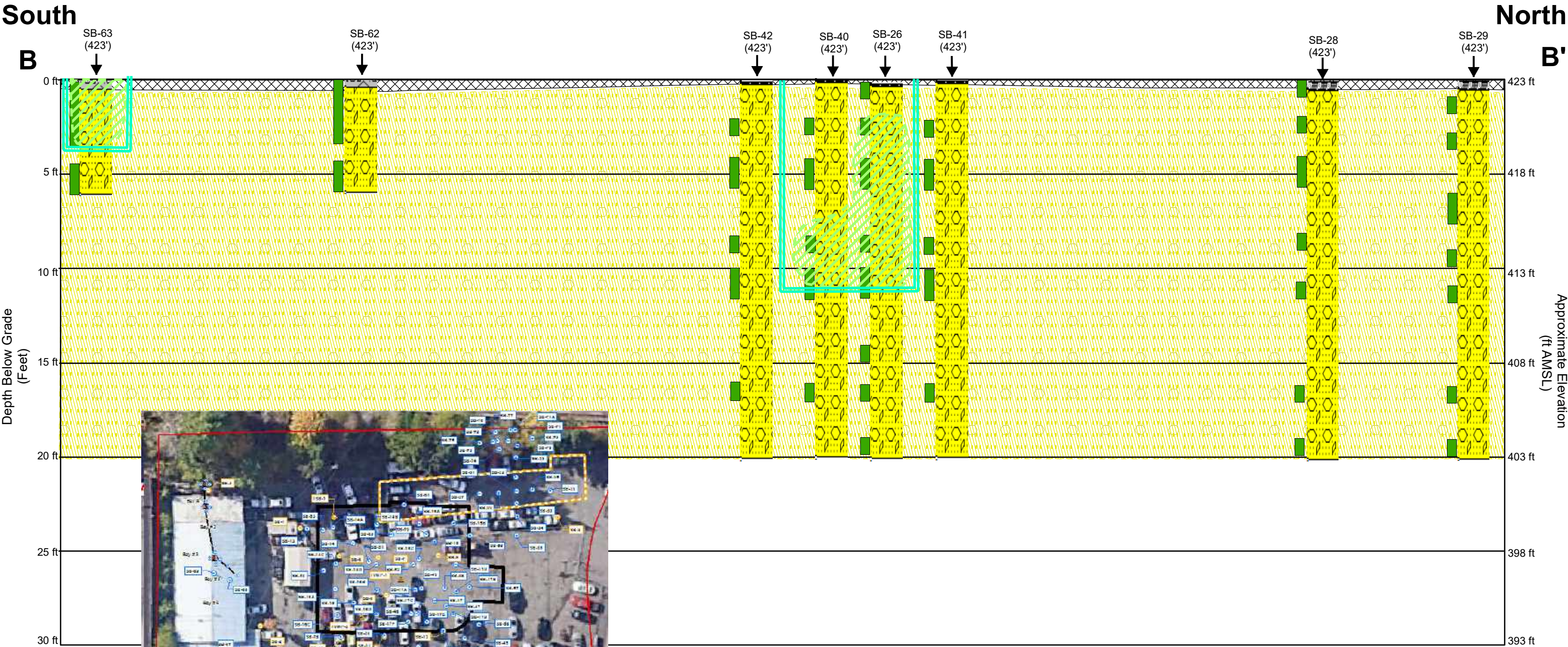
Figure 17
Map View Cross Sectional Trends
(August 2017 - October 2020)



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Figure 18
Stratigraphic Cross Section
A (SB-4) to A' (SB-39)



Trend B - B' is laterally offset per inset figure

LEGEND

Horizontal Scale
1" = 70'

Vertical Scale
1" = 5'

-  Gravelly Sand
Major component: sand, with gravel and occasional construction debris
-  Fill
Concrete, asphalt, and/or non-native material
-  Soil Sample Location
-  Approximate Limits of Excavation

SB - Soil Boring

ft AMSL - Feet Above Mean Sea Level

(424') - Approximate Surface Elevation

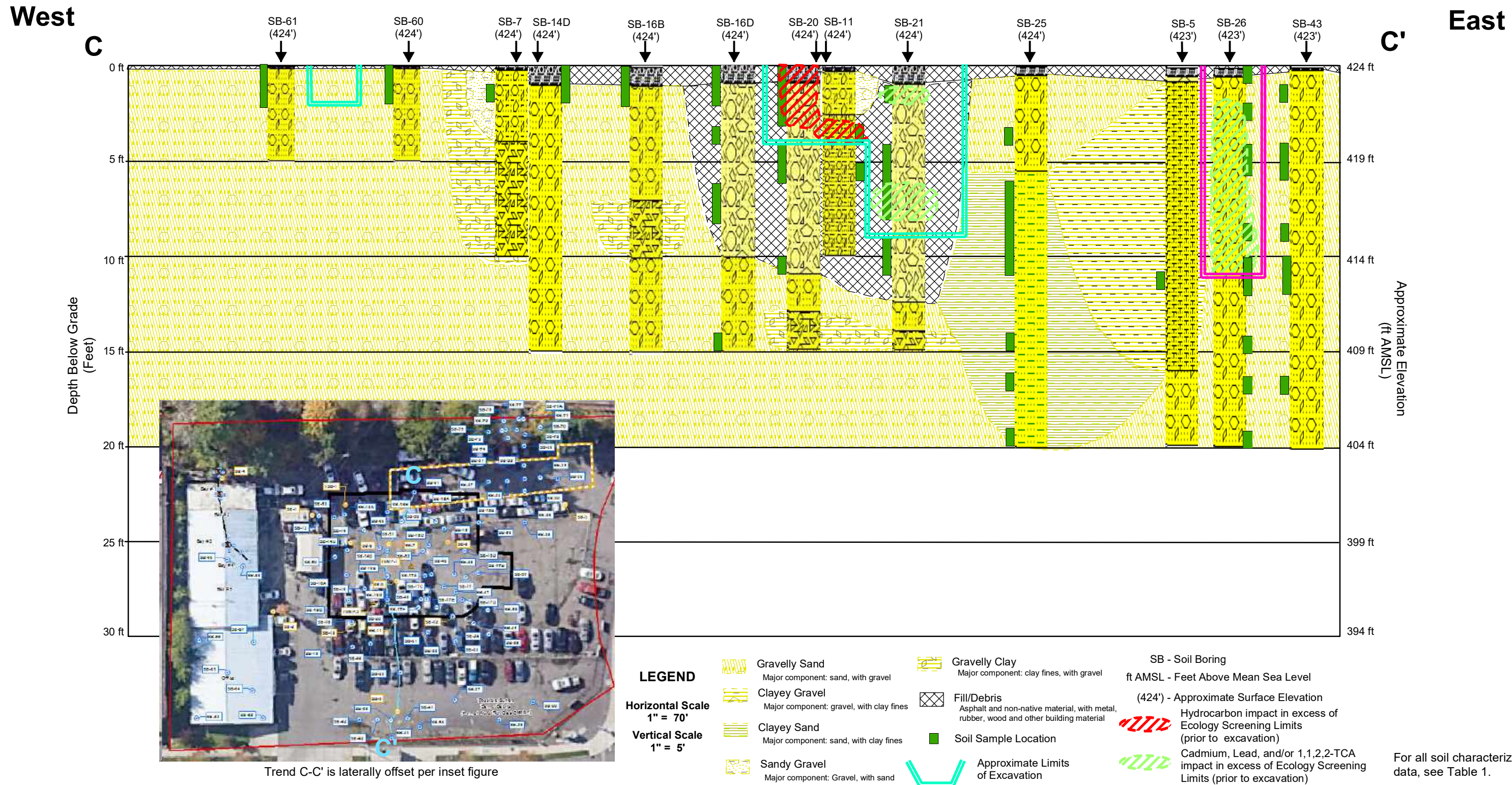
 Cadmium, Selenium, and/or Lead impact
in excess of Ecology Screening Limits
(prior to excavation)

For all soil characterization data, see Table 1.

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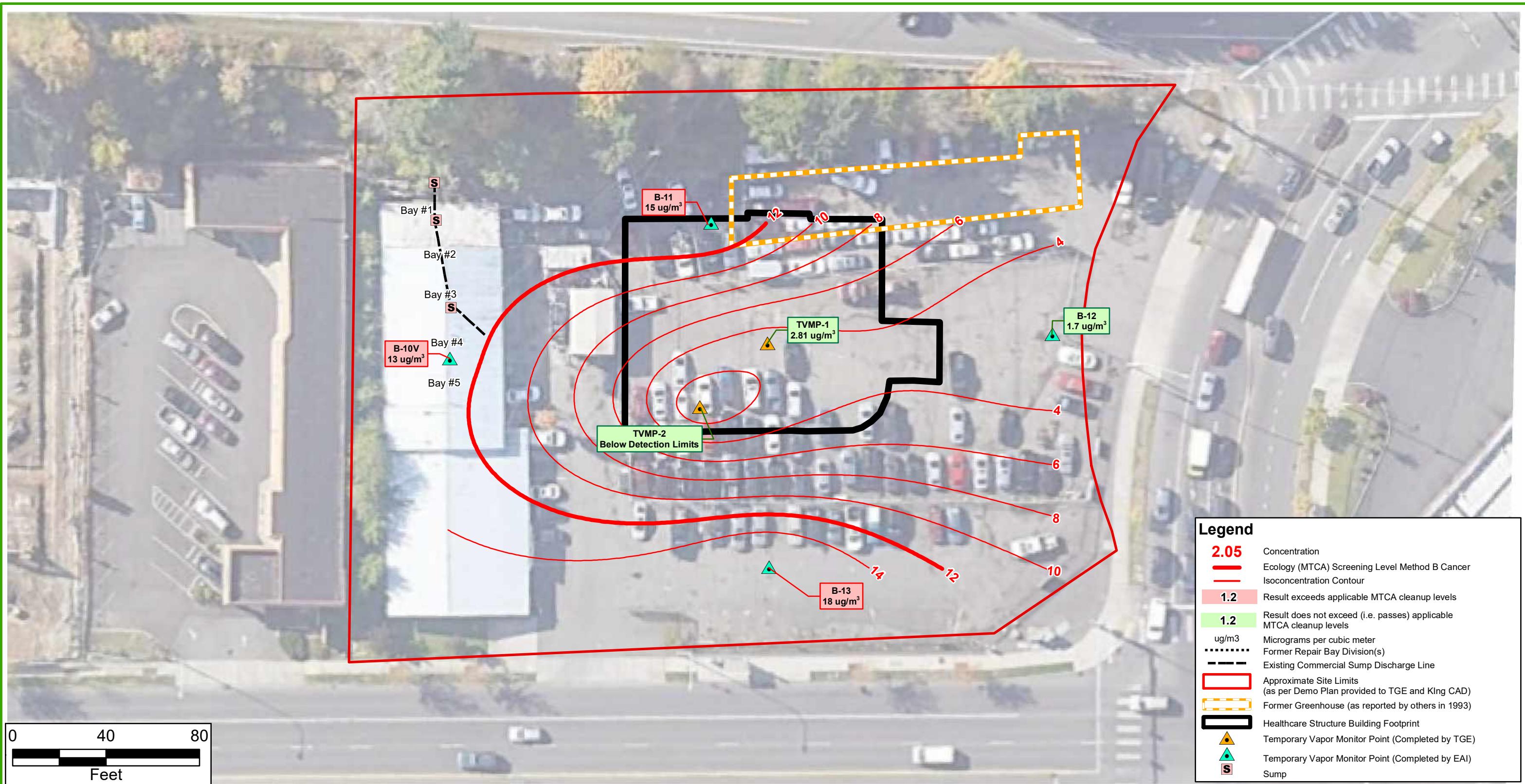
Figure 19
Stratigraphic Cross Section
B (SB-63) to B' (SB-29)



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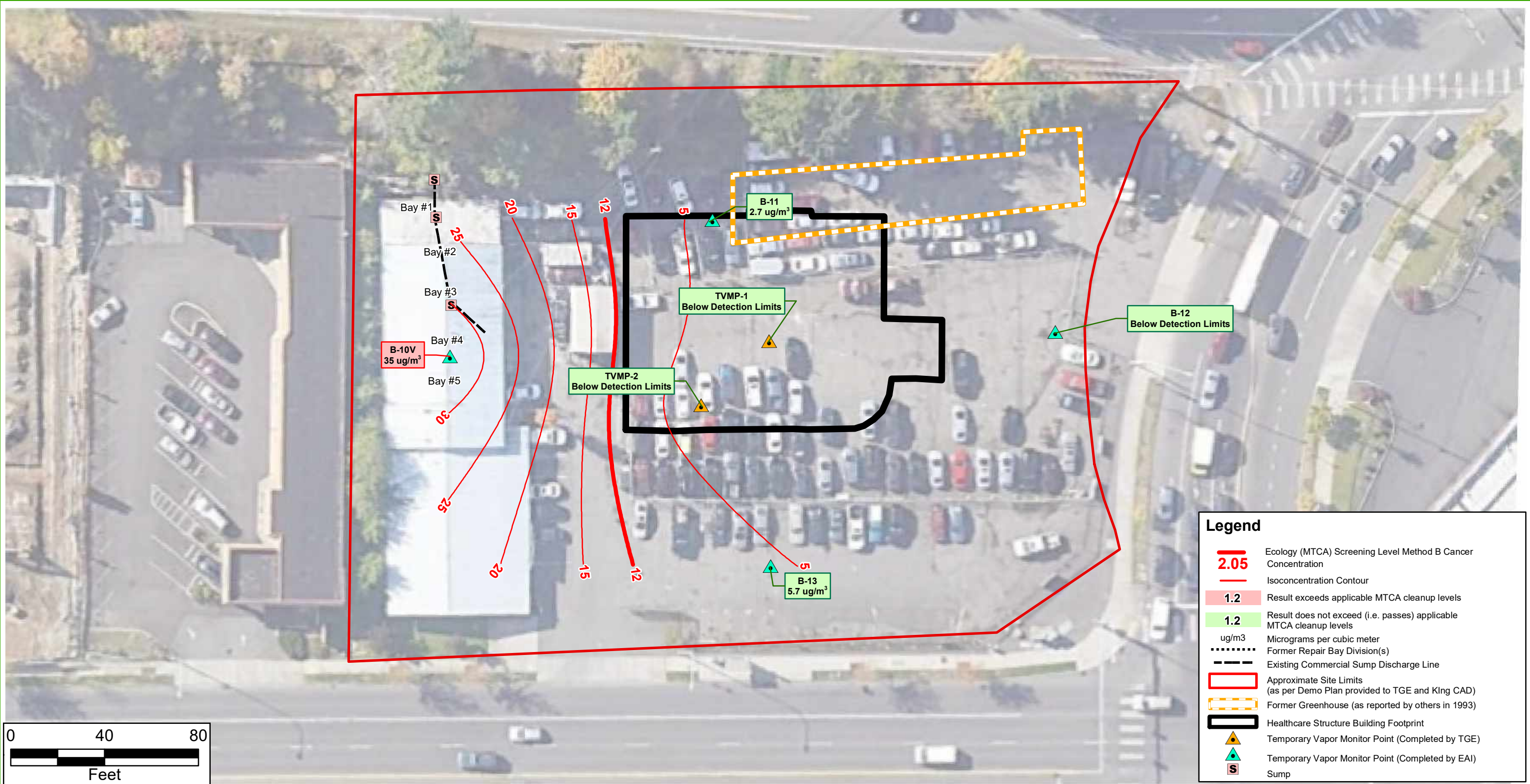
Figure 20
Stratigraphic Cross Section
C (SB-61) to C' (SB-43)



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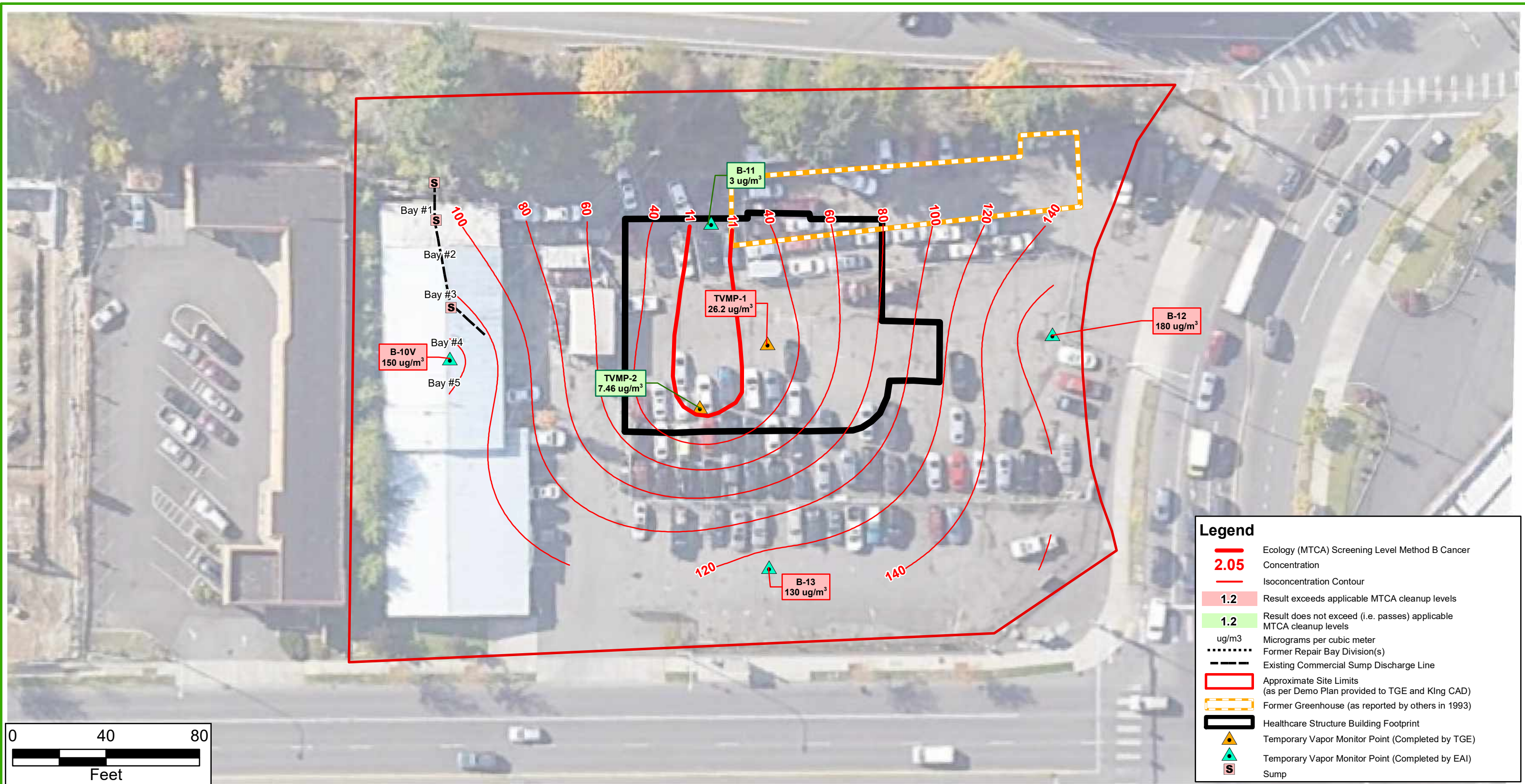
Figure 21
Soil Vapor Isopleth Concentration Map
Trichloroethylene
(August 2017 - August 2018)



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Figure 22
Soil Vapor Isopleth Concentration Map
Tetrachloroethylene
(August 2017 - August 2018)



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Figure 23
Soil Vapor Isopleth Concentration Map
Benzene
(August 2017 - August 2018)

TABLES

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB1	SB2	SB3	SB4	SB5	SB6	SB7		SB8	SB9	SB10
Laboratory Identification							L931900-01	L931900-02	L931900-03	L931900-04	L931900-07	L946745-01	L947070-01	L948202-01	L947070-02	L947070-03	L946745-02
Sample Date							8/24/2017	8/24/2017	8/24/2017	8/24/2017	8/24/2017	10/26/2017	10/27/2017		10/27/2017	10/27/2017	10/26/2017
Depth Range							5 - 6 ft	2 - 3 ft	3 - 4 ft	2 - 3 ft	11 - 12 ft	1 - 2 ft	1 - 2 ft		0 - 1 ft	1 - 2 ft	1 - 2 ft
Hydrocarbon																	
Gasoline range organics(Benzene Present)	30	NL	NL	200	NL	mg/kg	0.0422 J	0.0439 J	<0.0429	<0.0355	<0.0463	0.0415 J	0.0569 J	NT	0.0486 J	0.0385 J	0.057 J
Gasoline range organics (Benzene NonDetect)	100	NL	NL	200	NL	mg/kg	0.0422 J	0.0439 J	<0.0429	<0.0355	<0.0463	0.0415 J	0.0569 J	NT	0.0486 J	0.0385 J	0.057 J
Diesel range organics	2000	NL	NL	460	NL	mg/kg	16.9	6.37	11.3	<1.39	23.1 J	<1.44	3.11 J	NT	109	3.09 J	264
Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	170	45.1	51.1	6.49 J	201	14.3	7.84 J	NT	1430	10.2 J	1710
Total Diesel/Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	186.9	51.47	62.4	7.185	224.1	15.02	10.95	NT	1539	13.29	1974
Metals																	
Arsenic	20	24	0.67	20	2.9	mg/kg	1.44 J	14	4.4	2.68	1.74 J	2.07 J	2.91	NT	10.1	3.93	2.2
Barium	NL	16000	NL	1250	1600	mg/kg	47.5	119	126	50.2	39.1	59.4	138	NT	61	68.8	48.3
Cadmium	2	80	NL	25	0.69	mg/kg	<0.0733	0.317 J	0.132 J	<0.0732	<0.0777	0.0759 J	<0.0838	NT	0.129 J	0.115 J	0.101 J
Lead	250	NL	NL	220	3000	mg/kg	2.45	34.2	13.2	2.9	2.24	6.49	4.03	NT	26.6	10.5	7.75
Mercury	2	NL	NL	9	2.1	mg/kg	0.00842 J	0.0802	0.0285	0.00903 J	0.00577 J	0.0244	0.0602	NT	0.0149 J	0.0295	0.0171 J
Selenium	NL	400	NL	0.8	5.2	mg/kg	<0.775	<0.859	<0.836	<0.774	<0.821	<0.798	<0.886	0.416 J	<0.771	<0.80	<0.781
Silver	NL	400	NL	NL	14	mg/kg	<0.293	<0.325	<0.316	<0.293	<0.311	<0.302	<0.335	NT	<0.292	<0.305	<0.296
Total Chromium	NL	NL	NL	42	NL	mg/kg	20.7	21.3	27.5	22	22.6	17.3	27.3	NT	21.5	21.2	15.8
Chromium,Hexavalent	19	240	NL	NL	18.00	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chromium,Trivalent	2000	120000	NL	NL	480000	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Other																	
% Moisture	NL	NL	NL	NL	NL	%	95.5	86.1	88.5	95.6	90.1	92.7	83.5	83.5	96	91.7	94.7
pH	NL	NL	NL	NL	NL	s.u.	3.87 T8	NT	NT	NT	NT	NT	6.68 T8	NT	NT	NT	NT
Herbicides (Method 8151)																	
4-(chloro-2-methylphenoxy) acetic acid	NL	40	NL	NL	NL	mg/kg	NT	NT	<1.5	NT	NT	NT	NT	NT	NT	NT	NT
Dalapon, sodium salt	NL	2400	NL	NL	0.81	mg/kg	NT	NT	<0.0383	NT	NT	NT	NT	NT	NT	NT	NT
Dicamba	NL	2400	NL	NL	NL	mg/kg	NT	NT	<0.0532	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorophenoxy, 2,4- butyric acid, 4-(db;2,4-)	NL	2400	NL	NL	NL	mg/kg	NT	NT	<0.101	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorophenoxyacetic acid, 2,4-	NL	800	NL	NL	NL	mg/kg	NT	NT	<0.0238	NT	NT	NT	NT	NT	NT	NT	NT
Dichloroprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.083	NT	NT	NT	NT	NT	NT	NT	NT
Dinoseb	NL	80	NL	NL	NL	mg/kg	NT	NT	<0.0236	NT	NT	NT	NT	NT	NT	NT	NT
TP Silvex, 2,4,5-	NL	640	NL	NL	NL	mg/kg	NT	NT	<0.0363	NT	NT	NT	NT	NT	NT	NT	NT
Trichlorophenoxyacetic acid, 2,4,5-	NL	800	NL	NL	NL	mg/kg	NT	NT	<0.0289	NT	NT	NT	NT	NT	NT	NT	NT
Organophosphate Pesticides (Method 8141)																	
Azinphos-methyl	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.00427	NT	NT	NT	NT	NT	NT	NT	NT
Chlorpyrifos	NL	80	NL	NL	NL	mg/kg	NT	NT	<0.0104	NT	NT	NT	NT	NT	NT	NT	NT
Coumaphos	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.00768	NT	NT	NT	NT	NT	NT	NT	NT
Demeton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	<0.00383	NT	NT	NT	NT	NT	NT	NT	NT
Diazinon	NL	56	NL	NL	NL	mg/kg	NT	NT	<0.00505	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorvos	NL	40.00	3.40	NL	NL	mg/kg	NT	NT	<0.0109	NT	NT	NT	NT	NT	NT	NT	NT
Dimethoate	NL	180	NL	NL	NL	mg/kg	NT	NT	<0.0224	NT	NT	NT	NT	NT	NT	NT	NT
Disulfoton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	<0.00563	NT	NT	NT	NT	NT	NT	NT	NT
EPN (ethyl p-nitrophenyl phenylphosphorothioate)	NL	0.8	NL	NL	NL	mg/kg	NT	NT	<0.00579	NT	NT	NT	NT	NT	NT	NT	NT
Ethoprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.00525	NT	NT	NT	NT	NT	NT	NT	NT
Fensulfothion	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.0191	NT	NT	NT	NT	NT	NT	NT	NT
Fenthion	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.00687	NT	NT	NT	NT	NT	NT	NT	NT
lindane	0.01	24.00	0.91	NL	NL	mg/kg	NT	NT	<0.00164	NT	NT	NT	NT	NT	NT	NT	NT
Malathion	NL	1600	NL	NL	NL	mg/kg	NT	NT	<0.00791	NT	NT	NT	NT	NT	NT	NT	NT
MCPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	<1.24	NT	NT	NT	NT	NT	NT	NT	NT
Merphos	NL	2.4	NL	NL	NL	mg/kg	NT	NT	<0.00609	NT	NT	NT	NT	NT	NT	NT	NT
Methyl parathion	NL	20	NL	NL	NL	mg/kg	NT	NT	<0.00756	NT	NT	NT	NT	NT	NT	NT	NT
Naled	NL	160	NL	NL	NL	mg/kg	NT	NT	<0.00472	NT	NT	NT	NT	NT	NT	NT	NT
Parathion	NL	480	NL	NL	NL	mg/kg	NT	NT	<0.00645	NT	NT	NT	NT	NT	NT	NT	NT
Phorate	NL	16	NL	NL	NL	mg/kg	NT	NT	<0.00532	NT	NT	NT	NT	NT	NT	NT	NT
Phosdrin (mevinphos)	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.0115	NT	NT	NT	NT	NT	NT	NT	NT
Prothiofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.00682	NT	NT	NT	NT	NT	NT	NT	NT
Ronnel	NL	4000	NL	NL	NL	mg/kg	NT	NT	<0.00494	NT	NT	NT	NT	NT	NT	NT	NT
Sulprofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.00626	NT	NT	NT	NT	NT	NT	NT	NT
TEPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.177	NT	NT	NT	NT	NT	NT	NT	NT
Tetrachlorvinphos	NL	2400	42	NL	NL	mg/kg	NT	NT	<0.00607	NT	NT	NT	NT	NT	NT	NT	NT
Trichloronate	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.0075	NT	NT	NT	NT	NT	NT	NT	NT
OrganoChlorine Pesticides (Method 8081)																	
Aldrin	NL	2.4	0.059	0.17	0.0025	mg/kg	NT	NT	<0.00153	NT	NT	NT	NT	NT	NT	NT	NT
Chlordane	NL	NL	NL	1	NL	mg/kg	NT	NT	<0.0441	NT	NT	NT	NT	NT	NT	NT	NT
DDD	NL	2.4	4.20	NL	NL	mg/kg	NT	NT	<0.00176	NT	NT	NT	NT	NT	NT	NT	NT
DDE	NL	24	2.90	NL	0.45	mg/kg	NT	NT	<0.00174	NT	NT	NT	NT	NT	NT	NT	NT
DDDT	3	40.00	2.90	NL	3.5	mg/kg	NT	NT	<0.00226	NT	NT	NT	NT	NT	NT	NT	NT
Dieldrin	NL	4	0.063	0.17	0.0028	mg/kg	NT	NT	<0.00172	NT	NT	NT	NT	NT	NT	NT	NT
Endosulfan I	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.00168	NT	NT	NT	NT	NT	NT	NT	NT
Endosulfan II	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.00181	NT	NT	NT	NT	NT	NT	NT	NT
Endosulfan sulfate	NL	480	NL	NL	NL	mg/kg	NT	NT	<0.00171	NT	NT	NT	NT	NT	NT	NT	NT
Endrin	NL	24	NL	0.4	NL	mg/kg	NT	NT	<0.00177	NT	NT	NT	NT	NT	NT	NT	NT
Endrin aldehyde	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.00146	NT	NT	NT	NT	NT	NT	NT	NT
Endrin ketone	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.00186	NT	NT	NT	NT	NT	NT	NT	NT
Heptachlor	NL	40	0.22	NL	0.038	mg/kg	NT	NT	<0.00174	NT	NT	NT	NT	NT	NT	NT	NT
Heptachlor epoxide	NL	1	0.11	NL	0.08	mg/kg	NT	NT	<0.00182	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclohexane, alpha	NL	640	0.16	NL	NL	mg/kg	NT	NT	<0.00154	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclohexane, beta	NL	NL	0.56	NL	NL	mg/kg	NT	NT	<0.00181	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclohexane, delta	NL	NL	0.56	NL	NL	mg/kg	NT	NT	<0.00162	NT	NT						

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB1	SB2	SB3	SB4	SB5	SB6	SB7		SB8	SB9	SB10
Laboratory Identification							L931900-01	L931900-02	L931900-03	L931900-04	L931900-07	L946745-01	L947070-01	L948202-01	L947070-02	L947070-03	L946745-02
Sample Date							8/24/2017	8/24/2017	8/24/2017	8/24/2017	8/24/2017	10/26/2017	10/27/2017		10/27/2017	10/27/2017	10/26/2017
Depth Range							5 - 6 ft	2 - 3 ft	3 - 4 ft	2 - 3 ft	11 - 12 ft	1 - 2 ft	1 - 2 ft		0 - 1 ft	1 - 2 ft	1 - 2 ft
VOAs																	
Acetone	NL	72000	NL	NL	29	mg/kg	0.0359 J	0.326	0.121	0.0162 J	0.0143 J	<0.0108	<0.012	NT	<0.0104	0.0175 J	0.0139 J
Acrylonitrile	NL	NL	NL	NL	NL	mg/kg	<0.00187	<0.00218	<0.0021	<0.00187	<0.00199	<0.00193	<0.00214	NT	<0.00186	<0.00195	<0.00189
Benzene	0.03	320	18	NL	0.027	mg/kg	<0.000283	<0.000329	0.000351 J	<0.000282	<0.0003	<0.000291	0.00034 J	NT	0.000376 J	<0.000295	<0.000285
Bromobenzene	NL	640	NL	NL	0.56	mg/kg	<0.000297	<0.000346	<0.000334	<0.000297	<0.000315	<0.000306	<0.00034	NT	<0.000296	<0.00031	<0.0003
Bromodichloromethane	NL	1,600	16	NL	0.036	mg/kg	<0.000266	<0.00031	<0.000298	<0.000266	<0.000282	<0.000274	<0.000304	NT	<0.000265	<0.000277	<0.000268
Bromoform	NL	1,600	130	NL	0.36	mg/kg	<0.000444	<0.000517	<0.000498	<0.000444	<0.000471	<0.000457	<0.000508	NT	<0.000442	<0.000463	<0.000448
Bromomethane	NL	110	NL	NL	0.05	mg/kg	<0.0014	<0.00163	<0.00157	<0.0014	<0.00149	<0.00145	<0.0016	NT	<0.0014	<0.00146	<0.00141
Butylbenzene, n-	NL	4,000	NL	NL	14	mg/kg	<0.00027	<0.000315	<0.000303	<0.00027	<0.000286	<0.000278	<0.000309	NT	<0.000269	<0.000281	<0.000272
Butylbenzene, sec-	NL	8,000	NL	NL	25	mg/kg	<0.000211	<0.000245	<0.000236	<0.00021	<0.000223	<0.000217	<0.000241	NT	<0.000209	<0.000219	<0.000212
Butylbenzene, tert-	NL	8,000	NL	NL	20	mg/kg	<0.000216	<0.000251	<0.000242	<0.000215	<0.000229	<0.000222	<0.000247	NT	<0.000215	<0.000225	<0.000218
Carbon tetrachloride	NL	320	14	NL	0.042	mg/kg	<0.000344	<0.0004	<0.000385	<0.000343	<0.000364	<0.000354	<0.000393	NT	<0.000342	<0.000358	<0.000346
Chlorobenzene	NL	1,600	NL	NL	0.86	mg/kg	<0.000222	<0.000258	<0.000249	<0.000222	<0.000235	<0.000229	<0.000254	NT	<0.000221	<0.000231	<0.000224
Chloroethane (ethyl chloride)	NL	NL	NL	NL	NL	mg/kg	<0.000991	<0.00115	<0.00111	<0.00099	<0.00105	<0.00102	<0.00113	NT	<0.000985	<0.00103	<0.000999
Chloroform	NL	800	32	NL	0.074	mg/kg	<0.00024	<0.000279	<0.000269	<0.00024	<0.000254	<0.000247	<0.000274	NT	<0.000239	<0.00025	<0.000242
Chloromethane	NL	NL	NL	NL	NL	mg/kg	<0.000393	<0.000457	<0.000441	<0.000392	<0.000416	<0.000405	<0.000449	NT	<0.000391	<0.000409	<0.000396
Chlorotoluene, o-	NL	1600	NL	NL	1.9	mg/kg	<0.000315	<0.000367	<0.000354	<0.000315	<0.000334	<0.000325	<0.00036	NT	<0.000313	<0.000328	<0.000318
Chlorotoluene, p-	NL	NL	NL	NL	NL	mg/kg	<0.000251	<0.000293	<0.000282	<0.000251	<0.000266	<0.000259	<0.000287	NT	<0.00025	<0.000262	<0.000253
Cumene	NL	8,000	NL	NL	15	mg/kg	<0.000255	<0.000286	<0.000286	<0.000254	<0.00027	<0.000262	<0.000291	NT	<0.000253	<0.000265	<0.000257
Cymene	NL	NL	NL	NL	NL	mg/kg	<0.000214	<0.000249	<0.00024	<0.000213	<0.000226	<0.00022	<0.000244	NT	<0.000212	<0.000223	<0.000215
Dibromo-3-chloropropane, 1,2-	NL	16	1.3	NL	0.0013	mg/kg	<0.0011	<0.00128	<0.00123	<0.0011	<0.00117	<0.00113	<0.00126	NT	<0.00109	<0.00115	<0.00111
Dibromochloromethane	NL	1,600	12	NL	0.028	mg/kg	<0.000391	<0.000455	<0.000438	<0.00039	<0.000414	<0.000402	<0.000446	NT	<0.000388	<0.000407	<0.000394
Dichlorobenzene, 1,2-	NL	7,200	NL	NL	7	mg/kg	<0.000319	<0.000372	<0.000358	<0.000319	<0.000339	<0.000329	<0.000365	NT	<0.000318	<0.000333	<0.000322
Dichlorobenzene, 1,3-	NL	NL	NL	NL	NL	mg/kg	<0.00025	<0.000291	<0.000281	<0.00025	<0.000265	<0.000258	<0.000286	NT	<0.000249	<0.000261	<0.000252
Dichlorobenzene, 1,4-	NL	5,600	190	NL	1.2	mg/kg	<0.000237	<0.000276	<0.000266	<0.000236	<0.000251	<0.000244	<0.000271	NT	<0.000235	<0.000247	<0.000239
Dichlorodifluoromethane	NL	16,000	NL	NL	38	mg/kg	<0.000747	<0.000869	<0.000838	<0.000746	<0.000791	<0.000769	<0.000853	NT	<0.000743	<0.000778	<0.000753
Dichloroethane, 1,1-	NL	16,000	180	NL	0.041	mg/kg	<0.000208	<0.000234	<0.000208	<0.000234	<0.000229	<0.000238	<0.000238	NT	<0.000207	<0.000217	<0.00021
Dichloroethane, 1,2-	NL	480	11	NL	0.023	mg/kg	<0.000278	<0.000323	<0.000311	<0.000277	<0.000294	<0.000286	<0.000317	NT	<0.000276	<0.000289	<0.00028
Dichloroethylene, 1,1-	NL	4,000	NL	NL	0.046	mg/kg	<0.000317	<0.000369	<0.000356	<0.000317	<0.000336	<0.000327	<0.000363	NT	<0.000316	<0.000331	<0.00032
Dichloroethylene, cis-1,2-	NL	160	NL	NL	0.078	mg/kg	<0.000246	<0.000286	<0.000276	<0.000246	<0.000261	<0.000254	<0.000281	NT	<0.000245	<0.000256	<0.000248
Dichloroethylene, trans-1,2	NL	1,600	NL	NL	0.52	mg/kg	<0.000277	<0.000322	<0.00031	<0.000276	<0.000293	<0.000285	<0.000316	NT	<0.000275	<0.000288	<0.000279
Dichloropropane, 1,2-	NL	3,200	27	NL	0.025	mg/kg	<0.000375	<0.000436	<0.000421	<0.000374	<0.000397	<0.000386	<0.000429	NT	<0.000373	<0.000391	<0.000378
Dichloropropane, 1,3-	NL	1,600	NL	NL	0.88	mg/kg	<0.000217	<0.000252	<0.000243	<0.000217	<0.00023	<0.000223	<0.000248	NT	<0.000216	<0.000226	<0.000219
Dichloropropane, 2,2-	NL	NL	NL	NL	NL	mg/kg	<0.000292	<0.00034	<0.000328	<0.000292	<0.00031	<0.000301	<0.000334	NT	<0.000291	<0.000304	<0.000295
Dichloropropene, 1,1-	NL	NL	NL	NL	NL	mg/kg	<0.000332	<0.000386	<0.000373	<0.000332	<0.000352	<0.000342	<0.000379	NT	<0.00033	<0.000346	<0.000335
Dichloropropene, cis 1,3-	NL	NL	NL	NL	NL	mg/kg	<0.000274	<0.000319	<0.000308	<0.000274	<0.000291	<0.000283	<0.000314	NT	<0.000273	<0.000286	<0.000277
Dichloropropene, trans 1,3-	NL	NL	NL	NL	NL	mg/kg	<0.00028	<0.000325	<0.000314	<0.000279	<0.000296	<0.000288	<0.00032	NT	<0.000278	<0.000291	<0.000282
Diisopropyl ether	NL	NL	NL	NL	NL	mg/kg	<0.00026	<0.000302	<0.000291	<0.000259	<0.000275	<0.000268	<0.000297	NT	<0.000258	<0.000271	<0.000262
Ethyl benzene	6	8,000	NL	NL	5.9	mg/kg	<0.000311	<0.000362	<0.000349	<0.000311	<0.00033	<0.00032	<0.000355	NT	<0.000309	<0.000324	<0.000314
Ethylene dibromide	0.005	720	0.5	NL	0.00027	mg/kg	<0.000359	<0.000418	<0.000403	<0.000359	<0.000381	<0.00037	<0.000411	NT	<0.000357	<0.000374	<0.000362
Hexachlorobutadiene	NL	80	13.00	NL	0.60	mg/kg	<0.000358	<0.000417	<0.000402	<0.000358	<0.00038	<0.000369	<0.000409	NT	<0.000356	<0.000373	<0.000361
Methyl ethyl ketone	NL	48,000	NL	NL	20	mg/kg	0.0064 J	0.0129	0.0162	<0.0049	<0.00519	<0.00505	<0.0056	NT	<0.00487	<0.00511	<0.00494
Methyl isobutyl ketone	NL	6,400	NL	NL	2.7	mg/kg	<0.00197	<0.00229	<0.00221	<0.00197	<0.00209	<0.0020					

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB1	SB2	SB3	SB4	SB5	SB6	SB7		SB8	SB9	SB10
Laboratory Identification							L931900-01	L931900-02	L931900-03	L931900-04	L931900-07	L946745-01	L947070-01	L948202-01	L947070-02	L947070-03	L946745-02
Sample Date							8/24/2017	8/24/2017	8/24/2017	8/24/2017	8/24/2017	10/26/2017	10/27/2017		10/27/2017	10/27/2017	10/26/2017
Depth Range							5 - 6 ft	2 - 3 ft	3 - 4 ft	2 - 3 ft	11 - 12 ft	1 - 2 ft	1 - 2 ft		0 - 1 ft	1 - 2 ft	1 - 2 ft
SVOCs (Method 8270)																	
Acenaphthene	NL	4,800	NL	NL	98	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Acenaphthylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Anthracene	NL	24,000	NL	NL	2,300	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benz-a-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzidine	NL	240	0.0043	NL	0.000011	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-a-pyrene	0.1	24	0.19	30	3.9	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-b-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-g,h,i-perylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-k-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis (2-chloroethoxy) methane	NL	240	NL	NL	0.21	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis (2-chloroethyl) ether	NL	NL	0.91	NL	0.00022	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis (2-ethyl-hexyl) phthalate	NL	1,600	71	NL	13	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bromophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Butyl benzyl phthalate	NL	16,000	530	NL	13	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chloro-3-methylphenol, 4-(chlorocresol))	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chloronaphthalene, 2-(beta-chloronaphthalene)	NL	6,400	NL	NL	34	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlorophenol, 2-	NL	400	NL	NL	0.47	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlorophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chrysene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dibenz-a,h-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorobenzidine, 3,3-	NL	NL	2.2	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorophenol, 2,4-	NL	240	NL	NL	0.17	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Diethyl phthalate	NL	64,000	NL	NL	72	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dimethyl phenol, 2,4-	NL	1,600	NL	NL	1.3	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dimethylphthalate	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Di-n-butyl phthalate	NL	NL	NL	200	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dinitro-2-methylphenol, 4,6-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dinitrophenol, 2,4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dinitrotoluene, 2,4-	NL	160	3.2	NL	0.0017	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dinitrotoluene, 2,6-	NL	24	0.67	NL	0.00031	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Di-n-octyl phthalate	NL	800	NL	NL	270,000	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluoranthene	NL	3,200	NL	NL	630	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluorene	NL	3,200	NL	NL	100	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorobenzene	NL	160	0.63	31	0.88	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclopentadiene	NL	480	NL	NL	190	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachloroethane	NL	56	25	NL	0.043	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Indeno-1,2,3-cd-pyrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Isophorone	NL	16,000	1100	NL	0.23	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nitrobenzene	NL	160	NL	NL	0.1	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nitrophenol, 2-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nitrophenol, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nitrosodimethylamine, N-	NL	0.64	0.02	NL	0.0000038	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nitrosodi-n-propylamine, N-	NL	NL	0.14	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nitrosodiphenylamine, N-	NL	NL	200	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Pentachlorophenol	NL	400	2.5	11	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phenanthrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phenol	NL	24,000	NL	NL	11	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Pyrene	NL	2,400	NL	NL	650	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichlorophenol, 2,4,6-	NL	80	91	NL	0.046	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
PAHs (Method 8270)																	
Acenaphthene	NL	4,800	NL	NL	98	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Acenaphthylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Anthracene	NL	24,000	NL	NL	2,300	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benz-a-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-a-pyrene	0.1	24	0.19	30	3.9	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-b-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-g,h,i-perylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-k-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chloronaphthalene, 2-(beta-chloronaphthalene)	NL	6,400	NL	NL	34	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chrysene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dibenz-a,h-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluoranthene	NL	3,200	NL	NL	630	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluorene	NL	3,200	NL	NL	100	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Indeno-1,2,3-cd-pyrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methylnaphthalene, 1-	NL	5600	34	NL	0.082	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methylnaphthalene, 2-	NL	320	NL	NL	1.7	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phenanthrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Pyrene	NL	2,400	NL	NL	650	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
PCBs (Method 8082)																	
Aroclor 1016	NL	5.6	14.00	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1221	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1232	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1242	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1248	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1254	NL	1.6	0.50	NL	0.71	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1260	NL	NL	0.50	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB11				SB12	TSB1			SB13			
Laboratory Identification							L946745-03	L947689-01	L946745-04	L948202-02	L947070-04	L946526-01	L949489	L1161400-01	L1161400-02	L1161400-03	L1161400-04	
							10/26/2017		10/26/2017		10/27/2017	10/25/2017	10/25/2017	11/13/2019	11/13/2019	11/13/2019	11/13/2019	
							3 - 4 ft		5 - 6 ft		1 - 2 ft	4.5 - 5.5 ft	52-53 ft	0 - 1 ft	2 - 3 ft	4 - 6 ft	8 - 9 ft	
Sample Date																		
Depth Range																		
Hydrocarbon																		
Gasoline range organics(Benzene Present)	30	NL	NL	200	NL	mg/kg	1.48	NT	0.322	NT	1.56 J	0.0423 J	0.0518	<0.906	1.090 B J	-	-	
Gasoline range organics (Benzene NonDetect)	100	NL	NL	200	NL	mg/kg	1.48	NT	0.322	NT	1.56 J	0.0423 J	0.0518	-	-	<0.939	0.962 B J	
Diesel range organics	2000	NL	NL	460	NL	mg/kg	559	NT	171	NT	42.9 J	<1.42	<1.52	126	43.1 J	<14.7	18.1 J	
Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	136	NT	938	NT	630	<3.54	<3.79	743	271	95.0 J	142	
Total Diesel/Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	695	NT	1109	NT	672.9	2.48	2.655	869	314.1	102.35	160.1	
Metals																		
Arsenic	20	24	0.67	20	2.9	mg/kg	2.16 J	NT	6.46	NT	9.16	1.83 J	2.56	1.570 J	1.530 J	1.970 J	1.500 J	
Barium	NL	16000	NL	1250	1600	mg/kg	69.9	NT	111	NT	59.1	44.7	40.4	56	53.1	50	48	
Cadmium	2	80	NL	25	0.69	mg/kg	0.0853 J	NT	0.282 J	NT	0.15 J	<0.0744	<0.0796	0.2540 J	0.2690 J	0.1560 J	0.2000 J	
Lead	250	NL	NL	220	3000	mg/kg	6.17	NT	117	NT	64.6	1.19	0.725	7.17	8.18	8.14	6.24	
Mercury	2	NL	NL	9	2.1	mg/kg	0.027	NT	0.0528	NT	0.0277	0.0193 J	0.0167	0.01800 J	0.01590 J	0.0174 J	0.01710 J	
Selenium	NL	400	NL	0.8	5.2	mg/kg	<0.81	0.244 J	<0.993	0.529 J	<0.795	<0.786	<0.842	<0.663	<0.692	<0.687	<0.666	
Silver	NL	400	NL	NL	14	mg/kg	<0.306	NT	<0.376	NT	<0.301	<0.297	<0.319	0.289 B J	0.245 B J	0.299 B J	0.313 B J	
Total Chromium	NL	NL	NL	42	NL	mg/kg	28.2	NT	29.2	NT	26	15.9	18.7	28.1	26.8	24.1	28.7	
Chromium,Hexavalent	19	240	NL	NL	18.00	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chromium,Trivalent	2000	120000	NL	NL	480000	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Other																		
% Moisture	NL	NL	NL	NL	NL	%	91.4	91.4	74.6	74.6	93.1	94.1	87.9	93.5	89.7	90.3	93	
pH	NL	NL	NL	NL	NL	s.u.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Herbicides (Method 8151)																		
4-(chloro-2-methylphenoxy) acetic acid	NL	40	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dalapon, sodium salt	NL	2400	NL	NL	0.81	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dicamba	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichlorophenoxy, 2,4- butyric acid, 4-(db;2,4-)	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichlorophenoxyacetic acid, 2,4-	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloroprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dinoseb	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
TP Silvex, 2,4,5-	NL	640	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichlorophenoxyacetic acid, 2,4,5-	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Organophosphate Pesticides (Method 8141)																		
Azinphos-methyl	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chlorpyrifos	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Coumaphos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Demeton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Diazinon	NL	56	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichlorvos	NL	40.00	3.40	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dimethoate	NL	180	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Disulfoton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
EPN (ethyl p-nitrophenyl phenylphosphorothioate)	NL	0.8	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Ethoprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Fensulfothion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Fenthion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
lindane	0.01	24.00	0.91	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Malathion	NL	1600	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
MCPPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Merphos	NL	2.4	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Methyl parathion	NL	20	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Naled	NL	160	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Parathion	NL	480	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Phorate	NL	16	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Phosdrin (mevinphos)	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Prothiofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Ronnel	NL	4000	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Sulprofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
TEPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Tetrachlorvinphos	NL	2400	42	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichloronate	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
OrganoChlorine Pesticides (Method 8081)																		
Aldrin	NL	2.4	0.059	0.17	0.0025	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chlordane	NL	NL	NL	1	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
DDD	NL	2.4	4.20	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
DDE	NL	24	2.90	NL	0.45	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
DDT	3	40.00	2.90	NL	3.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dieldrin	NL	4	0.063	0.17	0.0028	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Endosulfan I	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Endosulfan II	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Endosulfan sulfate	NL	480	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Endrin	NL	24	NL	0.4	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Endrin aldehyde	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Endrin ketone	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Heptachlor	NL	40	0.22	NL	0.038	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Heptachlor epoxide	NL	1	0.11	NL	0.08	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Hexachlorocyclohexane, alpha	NL	640	0.16	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Hexachlorocyclohexane, beta	NL	NL	0.56	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Hexachlorocyclohexane, delta	NL	NL	0.56	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Methoxychlor	NL	400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Tetraethyl dithiopyrophosphate	NL	40	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Toxaphene	NL	7.2	0.91	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB11				SB12	TSB1		SB13			
Laboratory Identification							L946745-03	L947689-01	L946745-04	L948202-02	L947070-04	L946526-01	L949489	L1161400-01	L1161400-02	L1161400-03	L1161400-04
Sample Date							10/26/2017		10/26/2017		10/27/2017	10/25/2017	10/25/2017	11/13/2019	11/13/2019	11/13/2019	11/13/2019
Depth Range							3 - 4 ft		5 - 6 ft		1 - 2 ft	4.5 - 5.5 ft	52-53 ft	0 - 1 ft	2 - 3 ft	4 - 6 ft	8 - 9 ft
VOAs																	
Acetone	NL	72000	NL	NL	29	mg/kg	0.051 J	NT	0.0698	NT	<0.373	0.0183 J	<0.0114	<0.0146	<0.0153	<0.0152	<0.0147
Acrylonitrile	NL	NL	NL	NL	NL	mg/kg	<0.00196	NT	<0.0024	NT	<0.0668	<0.0019	<0.00204	<0.00203	<0.00212	<0.0021	<0.00204
Benzene	0.03	320	18	NL	0.027	mg/kg	<0.000296	NT	<0.000362	NT	<0.0101	<0.000287	<0.000307	0.000742 J	0.000617 J	<0.000443	<0.00043
Bromobenzene	NL	640	NL	NL	0.56	mg/kg	<0.000311	NT	<0.000381	NT	<0.0106	<0.000302	<0.000323	<0.00112	<0.00117	<0.00116	<0.00113
Bromodichloromethane	NL	1,600	16	NL	0.036	mg/kg	<0.000278	NT	<0.000341	NT	<0.00948	<0.00027	<0.000289	<0.000842	<0.000879	<0.000873	<0.000847
Bromoform	NL	1,600	130	NL	0.36	mg/kg	<0.000464	NT	<0.000569	NT	<0.0158	<0.00045	<0.000482	<0.00639	<0.00667	<0.00662	<0.00643
Bromomethane	NL	110	NL	NL	0.05	mg/kg	<0.00147	NT	<0.0018	NT	<0.05	<0.00142	<0.00152	<0.00396	<0.00413	<0.0041	<0.00398
Butylbenzene, n-	NL	4,000	NL	NL	14	mg/kg	0.00171	NT	<0.000346	NT	<0.00963	<0.000274	<0.000294	<0.00411	<0.00428	<0.00425	<0.00413
Butylbenzene, sec-	NL	8,000	NL	NL	25	mg/kg	0.000801 J	NT	<0.00027	NT	<0.00751	<0.000214	<0.000229	<0.0027	<0.00282	<0.0028	<0.00272
Butylbenzene, tert-	NL	8,000	NL	NL	20	mg/kg	<0.000225	NT	<0.000276	NT	<0.00769	<0.000219	<0.000234	<0.00166	<0.00173	<0.00172	<0.00167
Carbon tetrachloride	NL	320	14	NL	0.042	mg/kg	<0.000359	NT	<0.00044	NT	<0.0122	<0.000348	<0.000373	<0.00115	<0.0012	<0.0012	<0.00116
Chlorobenzene	NL	1,600	NL	NL	0.86	mg/kg	<0.000232	NT	<0.000284	NT	<0.00792	<0.000225	<0.000241	<0.000613	<0.000639	<0.000635	<0.000616
Chloroethane (ethyl chloride)	NL	NL	NL	NL	NL	mg/kg	<0.00104	NT	<0.00127	NT	<0.0353	<0.00101	<0.00108	<0.00115	<0.0012	<0.0012	<0.00116
Chloroform	NL	800	32	NL	0.074	mg/kg	<0.000251	NT	<0.000307	NT	<0.00855	<0.000243	<0.000261	<0.000444	<0.000463	<0.00046	<0.000446
Chloromethane	NL	NL	NL	NL	NL	mg/kg	<0.00041	NT	<0.000503	NT	<0.014	<0.000398	<0.000427	<0.00149	<0.00155	<0.00154	<0.00149
Chlorotoluene, o-	NL	1600	NL	NL	1.9	mg/kg	<0.000329	NT	<0.000404	NT	<0.0112	<0.00032	<0.000342	<0.000984	<0.00103	<0.00102	<0.000989
Chlorotoluene, p-	NL	NL	NL	NL	NL	mg/kg	<0.000263	NT	<0.000322	NT	<0.00896	<0.000255	<0.000273	<0.00121	<0.00126	<0.00125	<0.00121
Cumene	NL	8,000	NL	NL	15	mg/kg	<0.000266	NT	<0.000326	NT	<0.00907	<0.000258	<0.000276	<0.000923	<0.000963	<0.000956	<0.000928
Cymene	NL	NL	NL	NL	NL	mg/kg	0.000885 J	NT	<0.000274	NT	<0.00762	<0.000217	<0.000217	<0.00249	<0.0026	<0.00258	<0.0025
Dibromo-3-chloropropane, 1,2-	NL	16	1.3	NL	0.0013	mg/kg	<0.00115	NT	<0.00141	NT	<0.0392	<0.00112	<0.00119	<0.00545	<0.00569	<0.00565	<0.00548
Dibromochloromethane	NL	1,600	12	NL	0.028	mg/kg	<0.000408	NT	<0.0005	NT	<0.0139	<0.000396	<0.000424	<0.000481	<0.000502	<0.000498	<0.000484
Dichlorobenzene, 1,2-	NL	7,200	NL	NL	7	mg/kg	<0.000334	NT	<0.000409	NT	<0.0114	<0.000324	<0.000347	<0.00155	<0.00162	<0.00161	<0.00156
Dichlorobenzene, 1,3-	NL	NL	NL	NL	NL	mg/kg	<0.000262	NT	<0.000321	NT	<0.00892	<0.000254	<0.000272	<0.00182	<0.0019	<0.00188	<0.00183
Dichlorobenzene, 1,4-	NL	5,600	190	NL	1.2	mg/kg	<0.000247	NT	<0.000303	NT	<0.00844	<0.00024	<0.000257	<0.00211	<0.0022	<0.00218	<0.00212
Dichlorodifluoromethane	NL	16,000	NL	NL	38	mg/kg	<0.00078	NT	<0.000956	NT	<0.0266	<0.000758	<0.000811	<0.000874	<0.000912	<0.000906	<0.000879
Dichloroethane, 1,1-	NL	16,000	180	NL	0.041	mg/kg	<0.000218	NT	<0.000267	NT	<0.00743	<0.000211	<0.000226	<0.000615	<0.000641	<0.000637	<0.000618
Dichloroethane, 1,2-	NL	480	11	NL	0.023	mg/kg	<0.00029	NT	<0.000355	NT	<0.0099	<0.000282	<0.000301	<0.000508	<0.00053	<0.000526	<0.000511
Dichloroethylene, 1,1-	NL	4,000	NL	NL	0.046	mg/kg	<0.000332	NT	<0.000406	NT	<0.0113	<0.000322	<0.000345	<0.000535	<0.000558	<0.000554	<0.000537
Dichloroethylene, cis-1,2-	NL	160	NL	NL	0.078	mg/kg	<0.000257	NT	<0.000315	NT	<0.00878	<0.00025	<0.000267	<0.000738	<0.00077	<0.000764	<0.000742
Dichloroethylene, trans-1,2	NL	1,600	NL	NL	0.52	mg/kg	<0.000289	NT	<0.000354	NT	<0.00986	<0.00028	<0.0003	<0.00153	<0.0016	<0.00158	<0.00154
Dichloropropane, 1,2-	NL	3,200	27	NL	0.025	mg/kg	<0.000392	NT	<0.00048	NT	<0.0134	<0.00038	<0.000407	<0.00136	<0.00142	<0.00141	<0.00137
Dichloropropane, 1,3-	NL	1,600	NL	NL	0.88	mg/kg	<0.000227	NT	<0.000278	NT	<0.00773	<0.00022	<0.000236	<0.00187	<0.00195	<0.00194	<0.00188
Dichloropropane, 2,2-	NL	NL	NL	NL	NL	mg/kg	<0.000305	NT	<0.000374	NT	<0.0104	<0.000296	<0.000317	<0.000848	<0.000885	<0.000878	<0.000852
Dichloropropene, 1,1-	NL	NL	NL	NL	NL	mg/kg	<0.000347	NT	<0.000425	NT	<0.0118	<0.000337	<0.000361	<0.000748	<0.000781	<0.000775	<0.000752
Dichloropropene, cis 1,3-	NL	NL	NL	NL	NL	mg/kg	<0.000287	NT	<0.000351	NT	<0.00978	<0.000278	<0.000298	<0.000725	<0.000756	<0.000751	<0.000729
Dichloropropene, trans 1,3-	NL	NL	NL	NL	NL	mg/kg	<0.000292	NT	<0.000358	NT	<0.00997	<0.000284	<0.000304	<0.00164	<0.00171	<0.00169	<0.00164
Diisopropyl ether	NL	NL	NL	NL	NL	mg/kg	<0.000271	NT	<0.000333	NT	<0.00926	<0.000263	0.000282	<0.000374	<0.00039	<0.000388	<0.000376
Ethyl benzene	6	8,000	NL	NL	5.9	mg/kg	<0.000325	NT	0.000551 J	NT	<0.0111	<0.000316	<0.000338	<0.000567	<0.000591	<0.000587	<0.00057
Ethylene dibromide	0.005	720	0.5	NL	0.00027	mg/kg	<0.000375	NT	<0.00046	NT	<0.0128	<0.000364	<0.000435	<0.000561	<0.000586	<0.000581	<0.000564
Hexachlorobutadiene	NL	80	13.00	NL	0.60	mg/kg	<0.000374	NT	<0.000459	NT	<0.0128	<0.000363	<0.000389	<0.0136	<0.0142	<0.0141	<0.0137
Methyl ethyl ketone	NL	48,000	NL	NL	20	mg/kg	0.00885 J	NT	0.0177	NT	<0.175	0.00526 J	<0.00532	<0.0134	<0.0139	<0.0138	<0.0134
Methyl isobutyl ketone	NL	6,400	NL	NL	2.7	mg/kg	<0.00206	NT	<0.00252	NT	<0.0702	<0.002	<0.00214	<0.0107	<0.0112	<0.0111	<0.0107
Methylene bromide	NL	800	NL	NL	0.36	mg/kg	<0.000418	NT	<0.000512	NT	<0.0143	<0.000406	<0.000390	<0.00107	<0.00112	<0.00111	<0.00107
Methylene chloride	0.02	480	94	NL	0.021	mg/kg	<0.00109	NT	<0.00134	NT	<0.0373	<0.00106	<0.00114	<0.0071	<0.00741	<0.00735	<0.00714
MTBE	0.1	NL	560	NL	0.10	mg/kg	<0.000232	NT	<0.000284	NT	<0.00792	<0.000225	<0.000241				

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Table # 1
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Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB14				SB14A		SB14B		SB14C		SB14D	
Laboratory Identification							L1161400-05	L1168403-02	L1161400-06	L1161400-07	L1168403-03	L1168403-04	L1168403-05	L1168403-06	L1168403-07	L1168403-08	L1168403-09	L1168403-10
Sample Date							11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019
Depth Range							0 - 1 ft	1 - 2 ft	2 - 3 ft	10 - 12 ft	0 - 1 ft	1 - 2 ft	0 - 1 ft	1 - 2 ft	0 - 1 ft	1 - 2 ft	0 - 1 ft	1 - 2 ft
Hydrocarbon																		
Gasoline range organics(Benzene Present)	30	NL	NL	200	NL	mg/kg	<0.907	NT	-	-	NT	NT	NT	NT	NT	NT	NT	NT
Gasoline range organics (Benzene NonDetect)	100	NL	NL	200	NL	mg/kg	-	NT	<0.915	<0.915	NT	NT	NT	NT	NT	NT	NT	NT
Diesel range organics	2000	NL	NL	460	NL	mg/kg	118	27.5 J T8	57.3 J	<1.44	482 T8	12.40 T8	547 T8	111 J T8	228 T8	49.4 T8	122 T8	46 T8
Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	860	163 T8	524	5.8 J	1330 T8	55.40 T8	2300 T8	597 T8	1110 T8	241 T8	638 T8	244 T8
Total Diesel/Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	978	190.5	581.3	6.52	1812	67.8	2847	708	1338	290.4	760	290
Metals																		
Arsenic	20	24	0.67	20	2.9	mg/kg	3.67	NT	0.713 J	1.370 J	NT	NT	NT	NT	NT	NT	NT	NT
Barium	NL	16000	NL	1250	1600	mg/kg	75.7	NT	41.4	47.9	NT	NT	NT	NT	NT	NT	NT	NT
Cadmium	2	80	NL	25	0.69	mg/kg	0.2350 J	NT	0.1190 J	0.1170 J	NT	NT	NT	NT	NT	NT	NT	NT
Lead	250	NL	NL	220	3000	mg/kg	23.9	NT	2.03	1.34	NT	NT	NT	NT	NT	NT	NT	NT
Mercury	2	NL	NL	9	2.1	mg/kg	0.023 J	NT	0.01670 J	0.02300 J	NT	NT	NT	NT	NT	NT	NT	NT
Selenium	NL	400	NL	0.8	5.2	mg/kg	<0.663	NT	<0.67	<0.67	NT	NT	NT	NT	NT	NT	NT	NT
Silver	NL	400	NL	NL	14	mg/kg	0.273 B J	NT	0.20 B J	0.28 B J	NT	NT	NT	NT	NT	NT	NT	NT
Total Chromium	NL	NL	NL	42	NL	mg/kg	26	NT	21.1	27.1	NT	NT	NT	NT	NT	NT	NT	NT
Chromium,Hexavalent	19	240	NL	NL	18.00	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chromium,Trivalent	2000	120000	NL	NL	480000	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Other																		
% Moisture	NL	NL	NL	NL	NL	%	93.5 94.9	88.2	92.6	92.6	92.2	86.9	93.2	86.3	92.6	89.4	92.1	88.4
pH	NL	NL	NL	NL	NL	s.u.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Herbicides (Method 8151)																		
4-(chloro-2-methylphenoxy) acetic acid	NL	40	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dalapon, sodium salt	NL	2400	NL	NL	0.81	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dicamba	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorophenoxy, 2,4- butyric acid, 4-(db;2,4-)	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorophenoxyacetic acid, 2,4-	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichloroprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dinoseb	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TP Silvex, 2,4,5-	NL	640	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichlorophenoxyacetic acid, 2,4,5-	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Organophosphate Pesticides (Method 8141)																		
Azinphos-methyl	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlorpyrifos	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Coumaphos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Demeton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Diazinon	NL	56	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorvos	NL	40.00	3.40	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dimethoate	NL	180	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Disulfoton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
EPN (ethyl p-nitrophenyl phenylphosphorothioate)	NL	0.8	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ethoprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fensulfotihon	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fenthion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
lindane	0.01	24.00	0.91	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Malathion	NL	1600	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
MCPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Merphos	NL	2.4	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methyl parathion	NL	20	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Naled	NL	160	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Parathion	NL	480	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phorate	NL	16	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phosdrin (mevinphos)	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Prothiofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ronnel	NL	4000	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Sulprofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TEPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tetrachlorvinphos	NL	2400	42	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichloronate	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
OrganoChlorine Pesticides (Method 8081)																		
Aldrin	NL	2.4	0.059	0.17	0.0025	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlordane	NL	NL	NL	1	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DDD	NL	2.4	4.20	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DDE	NL	24	2.90	NL	0.45	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DDT	3	40.00	2.90	NL	3.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dieldrin	NL	4	0.063	0.17	0.0028	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endosulfan I	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endosulfan II	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endosulfan sulfate	NL	480	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endrin	NL	24	NL	0.4	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endrin aldehyde	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endrin ketone	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Heptachlor	NL	40	0.22	NL	0.038	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Heptachlor epoxide	NL	1	0.11	NL	0.08	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclohexane, alpha	NL	640	0.16	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclohexane, beta	NL	NL	0.56	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclohexane, delta	NL	NL	0.56	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methoxychlor	NL	400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tetraethyl dithiopyrophosphate	NL	40	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Toxaphene	NL	7.2	0.91	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB14				SB14A		SB14B		SB14C		SB14D	
Laboratory Identification							L1161400-05	L1168403-02	L1161400-06	L1161400-07	L1168403-03	L1168403-04	L1168403-05	L1168403-06	L1168403-07	L1168403-08	L1168403-09	L1168403-10
Sample Date							11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019
Depth Range							0 - 1 ft	1 - 2 ft	2 - 3 ft	10 - 12 ft	0 - 1 ft	1 - 2 ft	0 - 1 ft	1 - 2 ft	0 - 1 ft	1 - 2 ft	0 - 1 ft	1 - 2 ft
VOAs																		
Acetone	NL	72000	NL	NL	NL	29	mg/kg	<0.0147	NT	<0.0148	<0.0148	NT	NT	NT	NT	NT	NT	NT
Acrylonitrile	NL	NL	NL	NL	NL	NL	mg/kg	<0.00203	NT	<0.00205	<0.00205	NT	NT	NT	NT	NT	NT	NT
Benzene	0.03	320	18	NL	NL	0.027	mg/kg	0.000508 J	NT	<0.000432	<0.000432	NT	NT	NT	NT	NT	NT	NT
Bromobenzene	NL	640	NL	NL	NL	0.56	mg/kg	<0.00112	NT	<0.00113	<0.00113	NT	NT	NT	NT	NT	NT	NT
Bromodichloromethane	NL	1,600	16	NL	NL	0.036	mg/kg	<0.000843	NT	<0.000851	<0.000851	NT	NT	NT	NT	NT	NT	NT
Bromoform	NL	1,600	130	NL	NL	0.36	mg/kg	<0.0064	NT	<0.00646	<0.00646	NT	NT	NT	NT	NT	NT	NT
Bromomethane	NL	110	NL	NL	NL	0.05	mg/kg	<0.00396	NT	<0.004	<0.004	NT	NT	NT	NT	NT	NT	NT
Butylbenzene, n-	NL	4,000	NL	NL	NL	14	mg/kg	<0.00411	NT	0.00498 J	<0.00415	NT	NT	NT	NT	NT	NT	NT
Butylbenzene, sec-	NL	8,000	NL	NL	NL	25	mg/kg	<0.00271	NT	<0.00273	<0.00273	NT	NT	NT	NT	NT	NT	NT
Butylbenzene, tert-	NL	8,000	NL	NL	NL	20	mg/kg	<0.00166	NT	<0.00167	<0.00167	NT	NT	NT	NT	NT	NT	NT
Carbon tetrachloride	NL	320	14	NL	NL	0.042	mg/kg	<0.00116	NT	<0.00117	<0.00117	NT	NT	NT	NT	NT	NT	NT
Chlorobenzene	NL	1,600	NL	NL	NL	0.86	mg/kg	<0.000613	NT	<0.000619	<0.000619	NT	NT	NT	NT	NT	NT	NT
Chloroethane (ethyl chloride)	NL	NL	NL	NL	NL	NL	mg/kg	<0.00116	NT	<0.00117	<0.00117	NT	NT	NT	NT	NT	NT	NT
Chloroform	NL	800	32	NL	NL	0.074	mg/kg	<0.000444	NT	0.000765 J	<0.000448	NT	NT	NT	NT	NT	NT	NT
Chloromethane	NL	NL	NL	NL	NL	NL	mg/kg	<0.00149	NT	<0.0015	<0.0015	NT	NT	NT	NT	NT	NT	NT
Chlorotoluene, o-	NL	1600	NL	NL	NL	1.9	mg/kg	<0.000984	NT	<0.000994	<0.000994	NT	NT	NT	NT	NT	NT	NT
Chlorotoluene, p-	NL	NL	NL	NL	NL	NL	mg/kg	<0.00121	NT	<0.00122	<0.00122	NT	NT	NT	NT	NT	NT	NT
Cumene	NL	8,000	NL	NL	NL	15	mg/kg	<0.000923	NT	<0.000932	<0.000932	NT	NT	NT	NT	NT	NT	NT
Cymene	NL	NL	NL	NL	NL	NL	mg/kg	<0.00249	NT	<0.00252	<0.00252	NT	NT	NT	NT	NT	NT	NT
Dibromo-3-chloropropane, 1,2-	NL	16	1.3	NL	NL	0.0013	mg/kg	<0.00546	NT	<0.00551	<0.00551	NT	NT	NT	NT	NT	NT	NT
Dibromochloromethane	NL	1,600	12	NL	NL	0.028	mg/kg	<0.000482	NT	<0.000486	<0.000486	NT	NT	NT	NT	NT	NT	NT
Dichlorobenzene, 1,2-	NL	7,200	NL	NL	NL	7	mg/kg	<0.00155	NT	<0.00157	<0.00157	NT	NT	NT	NT	NT	NT	NT
Dichlorobenzene, 1,3-	NL	NL	NL	NL	NL	NL	mg/kg	<0.00182	NT	<0.00184	<0.00184	NT	NT	NT	NT	NT	NT	NT
Dichlorobenzene, 1,4-	NL	5,600	190	NL	NL	1.2	mg/kg	<0.00211	NT	<0.00213	<0.00213	NT	NT	NT	NT	NT	NT	NT
Dichlorodifluoromethane	NL	16,000	NL	NL	NL	38	mg/kg	<0.000875	NT	<0.000883	<0.000884	NT	NT	NT	NT	NT	NT	NT
Dichloroethane, 1,1-	NL	16,000	180	NL	NL	0.041	mg/kg	<0.000615	NT	<0.000621	<0.000621	NT	NT	NT	NT	NT	NT	NT
Dichloroethane, 1,2-	NL	480	11	NL	NL	0.023	mg/kg	<0.000508	NT	<0.000513	<0.000513	NT	NT	NT	NT	NT	NT	NT
Dichloroethylene, 1,1-	NL	4,000	NL	NL	NL	0.046	mg/kg	<0.000535	NT	<0.00054	<0.00054	NT	NT	NT	NT	NT	NT	NT
Dichloroethylene, cis-1,2-	NL	160	NL	NL	NL	0.078	mg/kg	<0.000738	NT	<0.000745	<0.000745	NT	NT	NT	NT	NT	NT	NT
Dichloroethylene, trans-1,2	NL	1,600	NL	NL	NL	0.52	mg/kg	<0.00153	NT	<0.00154	<0.00154	NT	NT	NT	NT	NT	NT	NT
Dichloropropane, 1,2-	NL	3,200	27	NL	NL	0.025	mg/kg	<0.00136	NT	<0.00137	<0.00137	NT	NT	NT	NT	NT	NT	NT
Dichloropropane, 1,3-	NL	1,600	NL	NL	NL	0.88	mg/kg	<0.00187	NT	<0.00189	<0.00189	NT	NT	NT	NT	NT	NT	NT
Dichloropropane, 2,2-	NL	NL	NL	NL	NL	NL	mg/kg	<0.000849	NT	<0.000856	<0.000857	NT	NT	NT	NT	NT	NT	NT
Dichloropropene, 1,1-	NL	NL	NL	NL	NL	NL	mg/kg	<0.000749	NT	<0.000756	<0.000756	NT	NT	NT	NT	NT	NT	NT
Dichloropropene, cis 1,3-	NL	NL	NL	NL	NL	NL	mg/kg	<0.000725	NT	<0.000732	<0.000732	NT	NT	NT	NT	NT	NT	NT
Dichloropropene, trans 1,3-	NL	NL	NL	NL	NL	NL	mg/kg	<0.00164	NT	<0.00165	<0.00165	NT	NT	NT	NT	NT	NT	NT
Diisopropyl ether	NL	NL	NL	NL	NL	NL	mg/kg	<0.000375	NT	<0.000378	<0.000378	NT	NT	NT	NT	NT	NT	NT
Ethyl benzene	6	8,000	NL	NL	NL	5.9	mg/kg	<0.000567	NT	0.002200 J	<0.000573	NT	NT	NT	NT	NT	NT	NT
Ethylene dibromide	0.005	720	0.5	NL	NL	0.00027	mg/kg	<0.000562	NT	<0.000567	<0.000567	NT	NT	NT	NT	NT	NT	NT
Hexachlorobutadiene	NL	80	13.00	NL	NL	0.60	mg/kg	<0.0136	NT	<0.0137	<0.0137	NT	NT	NT	NT	NT	NT	NT
Methyl ethyl ketone	NL	48,000	NL	NL	NL	20	mg/kg	<0.0134	NT	<0.0135	<0.0135	NT	NT	NT	NT	NT	NT	NT
Methyl isobutyl ketone	NL	6,400	NL	NL	NL	2.7	mg/kg	<0.0107	NT	<0.0108	<0.0108	NT	NT	NT	NT	NT	NT	NT
Methylene bromide	NL	800	NL	NL	NL	0.36	mg/kg	<0.00107	NT	<0.00108	<0.00108	NT	NT	NT	NT	NT	NT	NT
Methylene chloride	0.02	480	94	NL	NL	0.021	mg/kg	<0.0071	NT	<0.00717	<0.00717	NT	NT	NT	NT	NT	NT	NT
MTBE	0.1	NL	560	NL	NL	0.10	mg/kg	<0.000316	NT	<0.000319	<0.000319	NT	NT	NT	NT	NT	NT	NT
Naphthalene	5	1,600	NL	NL	NL	4.5	mg/kg	<0.00334	NT	0.0327	0.01330 J	NT	NT	NT	NT	NT	NT	NT
Propylbenzene, n-	NL	8,000	NL	NL	NL	16	mg/kg	<0.00126	NT	0.00431 J	<0.00127	NT	NT	NT	NT	NT	NT	NT
Styrene	NL	16,000	NL	NL	NL	2.2	mg/kg	<0.00292	NT	<0.00295	<0.00295	NT	NT	NT	NT	NT	NT	NT
Tetrachloroethane, 1,1,1,2-	NL	2,400	38	NL	NL	0.0098	mg/kg	<0.000535	NT	<0.00054	<0.00054	NT	NT	NT	NT	NT	NT	NT
Tetrachloroethane, 1,1,2,2-	NL	1,600	5	NL	NL	0.0012	mg/kg	<0.000417	NT	<0.000421	<0.000421	NT	NT	NT	NT	NT	NT	NT
Tetrachloroethylene	0.05	480	480	NL	NL	0.05	mg/kg	<0.000749	NT	<0.000756	<0.000756	NT	NT	NT	NT	NT	NT	NT
Toluene	7	6,400	NL	NL	NL	4.5	mg/kg	0.00492 J	NT	0.00150 J	0.00421 J	NT	NT	NT	NT	NT	NT	NT
Trichloro-1,2,2-trifluoroethane, 1,1,2-	NL	2,400,000	NL	NL	NL	7,600	mg/kg	<0.000722	NT	<0.000729	<0.000729	NT	NT	NT	NT	NT	NT	NT
Trichlorobenzene, 1,2,3-	NL	64	NL	NL	NL	0.2	mg/kg	<0.000669	NT	<0.000675	<0.000675	NT	NT	NT	NT	NT	NT	NT
Trichlorobenzene, 1,2,4-	NL	800	34	NL	NL	0.56	mg/kg	<0.00516	NT	<0.00521	<0.00521	NT	NT	NT	NT	NT	NT	NT
Trichloroethane, 1,1,1-	2	160,000	NL	NL	NL	1.5	mg/kg	<0.000294	NT	<0.000297	<0.000297	NT	NT	NT	NT	NT	NT	NT
Trichloroethane, 1,1,2-	NL	320	18	NL	NL	0.017	mg/kg	<0.000945	NT	<0.000954	<0.000954	NT	NT	NT	NT	NT	NT	NT
Trichloroethylene	0.03	40	12.00	NL	NL	0.025	mg/kg	<0.000428	NT	<0.000432	<0.000432	NT	NT	NT	NT	NT	NT	NT
Trichlorofluoromethane	NL	24,000	NL	NL	NL	23	mg/kg	<0.000535	NT	<0.00054	<0.00054	NT	NT	NT	NT	NT	NT	NT
Trichloropropane, 1,2,3-	NL	320	0.0063	NL	NL	0.0000024	mg/kg	<0.00546	NT	<0.00551	<0.00551	NT	NT	NT	NT	NT	NT	NT
Trimethylbenzene, 1,2,3-	NL	800	NL	NL	NL	1.3	mg/kg	<0.00123	NT	0.0105	<0.00124	NT	NT	NT	NT	NT	NT	NT
Trimethylbenzene, 1,2,4-	NL																	

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB14				SB14A		SB14B		SB14C		SB14D	
Laboratory Identification							L1161400-05	L1168403-02	L1161400-06	L1161400-07	L1168403-03	L1168403-04	L1168403-05	L1168403-06	L1168403-07	L1168403-08	L1168403-09	L1168403-10
Sample Date							11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019
Depth Range							0 - 1 ft	1 - 2 ft	2 - 3 ft	10 - 12 ft	0 - 1 ft	1 - 2 ft	0 - 1 ft	1 - 2 ft	0 - 1 ft	1 - 2 ft	0 - 1 ft	1 - 2 ft
SVOCs (Method 8270)																		
Acenaphthene	NL	4,800	NL	NL	98	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Acenaphthylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Anthracene	NL	24,000	NL	NL	2,300	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-a-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzidine	NL	240	0.0043	NL	0.000011	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-a-pyrene	0.1	24	0.19	30	3.9	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-b-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-g,h,i-perylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-k-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis (2-chloroethoxy) methane	NL	240	NL	NL	0.21	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis (2-chloroethyl) ether	NL	NL	0.91	NL	0.00022	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis (2-ethyl-hexyl) phthalate	NL	1,600	71	NL	13	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bromophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Butyl benzyl phthalate	NL	16,000	530	NL	13	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chloro-3-methylphenol, 4-(chlorocresol))	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chloronaphthalene, 2-(beta-chloronaphthalene)	NL	6,400	NL	NL	34	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlorophenol, 2-	NL	400	NL	NL	0.47	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlorophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chrysene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dibenz-a,h-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorobenzidine, 3,3-	NL	NL	2.2	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorophenol, 2,4-	NL	240	NL	NL	0.17	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Diethyl phthalate	NL	64,000	NL	NL	72	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dimethyl phenol, 2,4-	NL	1,600	NL	NL	1.3	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dimethylphthalate	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Di-n-butyl phthalate	NL	NL	NL	200	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dinitro-2-methylphenol, 4,6-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dinitrophenol, 2,4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dinitrotoluene, 2,4-	NL	160	3.2	NL	0.0017	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dinitrotoluene, 2,6-	NL	24	0.67	NL	0.00031	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Di-n-octyl phthalate	NL	800	NL	NL	270,000	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluoranthene	NL	3,200	NL	NL	630	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluorene	NL	3,200	NL	NL	100	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorobenzene	NL	160	0.63	31	0.88	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclopentadiene	NL	480	NL	NL	190	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachloroethane	NL	56	25	NL	0.043	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Indeno-1,2,3-cd-pyrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Isophorone	NL	16,000	1100	NL	0.23	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nitrobenzene	NL	160	NL	NL	0.1	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nitrophenol, 2-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nitrophenol, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nitrosodimethylamine, N-	NL	0.64	0.02	NL	0.0000038	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nitrosodi-n-propylamine, N-	NL	NL	0.14	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nitrosodiphenylamine, N-	NL	NL	200	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Pentachlorophenol	NL	400	2.5	11	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phenanthrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phenol	NL	24,000	NL	NL	11	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Pyrene	NL	2,400	NL	NL	650	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichlorophenol, 2,4,6-	NL	80	91	NL	0.046	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
PAHs (Method 8270)																		
Acenaphthene	NL	4,800	NL	NL	98	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Acenaphthylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Anthracene	NL	24,000	NL	NL	2,300	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-a-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-a-pyrene	0.1	24	0.19	30	3.9	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-b-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-g,h,i-perylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-k-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chloronaphthalene, 2-(beta-chloronaphthalene)	NL	6,400	NL	NL	34	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chrysene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dibenz-a,h-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluoranthene	NL	3,200	NL	NL	630	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluorene	NL	3,200	NL	NL	100	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Indeno-1,2,3-cd-pyrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methylnaphthalene, 1-	NL	5600	34	NL	0.082	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methylnaphthalene, 2-	NL	320	NL	NL	1.7	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phenanthrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Pyrene	NL	2,400	NL	NL	650	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
PCBs (Method 8082)																		
Aroclor 1016	NL	5.6	14.00	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1221	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1232	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1242	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1248	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1254	NL	1.6	0.50	NL	0.71	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1260	NL	NL	0.50	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB15					SB15A		
Laboratory Identification							L1161924-01 L1165576-01	L1161924-02	L1169568-01	L1169568-02	L1161924-03 L1165576-03	L1165628-01 L1168120-01	L1168403-24	L1165628-02 L1168120-02
Sample Date							11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019
Depth Range							0 - 1 ft	1 - 2 ft	3 - 4 ft	6 - 8 ft	10 - 12 ft	0 - 1 ft	1 - 2 ft	2 - 3 ft
Hydrocarbon														
Gasoline range organics(Benzene Present)	30	NL	NL	200	NL	mg/kg	<0.893	<0.954	NT	NT	<0.895	NT	NT	NT
Gasoline range organics (Benzene NonDetected)	100	NL	NL	200	NL	mg/kg	--	<0.954	NT	NT	<0.895	NT	NT	NT
Diesel range organics	2000	NL	NL	460	NL	mg/kg	971	10.1	NT	NT	2.8 J	2280	438 T8	536
Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	2300	70.7	NT	NT	23.1	4820	815 T8	1210
Total Diesel/Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	3271	80.8	NT	NT	25.9	7100	1253	1746
Metals														
Arsenic	20	24	0.67	20	2.9	mg/kg	43.1	3.26	3.52	5.18	1.990 J	15.7	NT	1.500 J
Barium	NL	16000	NL	1250	1600	mg/kg	36.6	67.2	NT	NT	57.5	NT	NT	NT
Cadmium	2	80	NL	25	0.69	mg/kg	0.4300 J	0.2170 J	NT	NT	0.1860 J	NT	NT	NT
Lead	250	NL	NL	220	3000	mg/kg	107	14.6	NT	NT	2.32	NT	NT	NT
Mercury	2	NL	NL	9	2.1	mg/kg	0.03650 B	0.03160 B J	NT	NT	0.03750 B	NT	NT	NT
Selenium	NL	400	NL	0.8	5.2	mg/kg	<0.653	<0.698	NT	NT	<0.655	NT	NT	NT
Silver	NL	400	NL	NL	14	mg/kg	0.300 B J	0.226 B J	NT	NT	0.260 B J	NT	NT	NT
Total Chromium	NL	NL	NL	42	NL	mg/kg	22.6	33.3	NT	NT	31.4	NT	NT	NT
Chromium,Hexavalent	19	240	NL	NL	18.00	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Chromium,Trivalent	2000	120000	NL	NL	480000	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Other														
% Moisture	NL	NL	NL	NL	NL	%	94.9	88.9	90.1	89.1	94.7	94.7	90.7	90.3
pH	NL	NL	NL	NL	NL	s.u.	NT	NT	NT	NT	NT	NT	NT	NT
Herbicides (Method 8151)														
4-(chloro-2-methylphenoxy) acetic acid	NL	40	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Dalapon, sodium salt	NL	2400	NL	NL	0.81	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Dicamba	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorophenoxy, 2,4- butyric acid, 4-(db;2,4-)	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorophenoxyacetic acid, 2,4-(db;2,4-)	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Dichloroprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Dinoseb	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
TP Silvex, 2,4,5-	NL	640	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Trichlorophenoxyacetic acid, 2,4,5-(db;2,4,5-)	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Organophosphate Pesticides (Method 8141)														
Azinphos-methyl	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Chlorpyrifos	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Coumaphos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Demeton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Diazinon	NL	56	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorvos	NL	40.00	3.40	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Dimethoate	NL	180	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Disulfoton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
EPN (ethyl p-nitrophenyl phenylphosphorothioate)	NL	0.8	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Ethoprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Fensulfothion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Fenthion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
lindane	0.01	24.00	0.91	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Malathion	NL	1600	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
MCPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Merphos	NL	2.4	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Methyl parathion	NL	20	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Naled	NL	160	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Parathion	NL	480	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Phorate	NL	16	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Phosdrin (mevinphos)	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Prothiofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Ronnel	NL	4000	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Sulprofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
TEPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Tetrachlorvinphos	NL	2400	42	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Trichloronate	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
OrganoChlorine Pesticides (Method 8081)														
Aldrin	NL	2.4	0.059	0.17	0.0025	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Chlordane	NL	NL	NL	1	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
DDD	NL	2.4	4.20	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
DDE	NL	24	2.90	NL	0.45	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
DDT	3	40.00	2.90	NL	3.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Dieldrin	NL	4	0.063	0.17	0.0028	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Endosulfan I	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Endosulfan II	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Endosulfan sulfate	NL	480	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Endrin	NL	24	NL	0.4	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Endrin aldehyde	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Endrin ketone	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Heptachlor	NL	40	0.22	NL	0.038	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Heptachlor epoxide	NL	1	0.11	NL	0.08	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclohexane, alpha	NL	640	0.16	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclohexane, beta	NL	NL	0.56	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclohexane, delta	NL	NL	0.56	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Methoxychlor	NL	400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Tetraethyl dithiopyrophosphate	NL	40	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Toxaphene	NL	7.2	0.91	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT

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SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB15					SB15A			
Laboratory Identification							L1161924-01 L1165576-01	L1161924-02	L1169568-01	L1169568-02	L1161924-03 L1165576-03	L1165628-01 L1168120-01	L1168403-24	L1165628-02 L1168120-02	
Sample Date							11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	
Depth Range							0 - 1 ft	1 - 2 ft	3 - 4 ft	6 - 8 ft	10 - 12 ft	0 - 1 ft	1 - 2 ft	2 - 3 ft	
VOAs															
Acetone	NL	72000	NL	NL	29	mg/kg	<0.0144	<0.0154	NT	NT	<0.0145	NT	NT	NT	
Acrylonitrile	NL	NL	NL	NL	NL	mg/kg	<0.002	<0.00214	NT	NT	<0.00201	NT	NT	NT	
Benzene	0.03	320	18	NL	0.027	mg/kg	0.000488 J	<0.00045	NT	NT	<0.000422	NT	NT	NT	
Bromobenzene	NL	640	NL	NL	0.56	mg/kg	<0.00111	<0.00118	NT	NT	<0.00111	NT	NT	NT	
Bromodichloromethane	NL	1,600	16	NL	0.036	mg/kg	<0.00083	<0.000887	NT	NT	<0.000832	NT	NT	NT	
Bromoform	NL	1,600	130	NL	0.36	mg/kg	<0.0063	<0.00673	NT	NT	<0.00631	NT	NT	NT	
Bromomethane	NL	110	NL	NL	0.05	mg/kg	<0.0039	<0.00416	NT	NT	<0.00391	NT	NT	NT	
Butylbenzene, n-	NL	4,000	NL	NL	14	mg/kg	<0.00404	<0.00432	NT	NT	<0.00406	NT	NT	NT	
Butylbenzene, sec-	NL	8,000	NL	NL	25	mg/kg	<0.00266	<0.00285	NT	NT	<0.00267	NT	NT	NT	
Butylbenzene, tert-	NL	8,000	NL	NL	20	mg/kg	<0.00163	<0.00174	NT	NT	<0.00164	NT	NT	NT	
Carbon tetrachloride	NL	320	14	NL	0.042	mg/kg	<0.00114	<0.00122	NT	NT	<0.00114	NT	NT	NT	
Chlorobenzene	NL	1,600	NL	NL	0.86	mg/kg	<0.000603	<0.000645	NT	NT	<0.000605	NT	NT	NT	
Chloroethane (ethyl chloride)	NL	NL	NL	NL	NL	mg/kg	<0.00114	<0.00122	NT	NT	<0.00114	NT	NT	NT	
Chloroform	NL	800	32	NL	0.074	mg/kg	<0.000437	<0.000467	NT	NT	0.000616 J	NT	NT	NT	
Chloromethane	NL	NL	NL	NL	NL	mg/kg	<0.00146	<0.00156	NT	NT	<0.00147	NT	NT	NT	
Chlorotoluene, o-	NL	1600	NL	NL	1.9	mg/kg	<0.000969	<0.00104	NT	NT	<0.000972	NT	NT	NT	
Chlorotoluene, p-	NL	NL	NL	NL	NL	mg/kg	<0.00119	<0.00127	NT	NT	<0.00119	NT	NT	NT	
Cumene	NL	8,000	NL	NL	15	mg/kg	<0.000909	<0.000971	NT	NT	<0.000911	NT	NT	NT	
Cymene	NL	NL	NL	NL	NL	mg/kg	<0.00245	<0.00262	NT	NT	<0.00246	NT	NT	NT	
Dibromo-3-chloropropane, 1,2-	NL	16	1.3	NL	0.0013	mg/kg	<0.00537	<0.00574	NT	NT	<0.00539	NT	NT	NT	
Dibromochloromethane	NL	1,600	12	NL	0.028	mg/kg	<0.000474	<0.000506	NT	NT	<0.000475	NT	NT	NT	
Dichlorobenzene, 1,2-	NL	7,200	NL	NL	7	mg/kg	<0.00153	<0.00163	NT	NT	<0.00153	NT	NT	NT	
Dichlorobenzene, 1,3-	NL	NL	NL	NL	NL	mg/kg	<0.00179	<0.00191	NT	NT	<0.0018	NT	NT	NT	
Dichlorobenzene, 1,4-	NL	5,600	190	NL	1.2	mg/kg	<0.00207	<0.00222	NT	NT	<0.00208	NT	NT	NT	
Dichlorodifluoromethane	NL	16,000	NL	NL	38	mg/kg	<0.000862	<0.000921	NT	NT	<0.000864	NT	NT	NT	
Dichloroethane, 1,1-	NL	16,000	180	NL	0.041	mg/kg	<0.000606	<0.000647	NT	NT	<0.000607	NT	NT	NT	
Dichloroethane, 1,2-	NL	480	11	NL	0.023	mg/kg	<0.0005	<0.000535	NT	NT	<0.000502	NT	NT	NT	
Dichloroethylene, 1,1-	NL	4,000	NL	NL	0.046	mg/kg	<0.000527	<0.000563	NT	NT	<0.000528	NT	NT	NT	
Dichloroethylene, cis-1,2-	NL	160	NL	NL	0.078	mg/kg	<0.000727	<0.000777	NT	NT	<0.000729	NT	NT	NT	
Dichloroethylene, trans-1,2	NL	1,600	NL	NL	0.52	mg/kg	<0.00151	<0.00161	NT	NT	<0.00151	NT	NT	NT	
Dichloropropane, 1,2-	NL	3,200	27	NL	0.025	mg/kg	<0.00134	<0.00143	NT	NT	<0.00134	NT	NT	NT	
Dichloropropane, 1,3-	NL	1,600	NL	NL	0.88	mg/kg	<0.00184	<0.00197	NT	NT	<0.00185	NT	NT	NT	
Dichloropropane, 2,2-	NL	NL	NL	NL	NL	mg/kg	<0.000835	<0.000893	NT	NT	<0.000837	NT	NT	NT	
Dichloropropene, 1,1-	NL	NL	NL	NL	NL	mg/kg	<0.000737	<0.000788	NT	NT	<0.000739	NT	NT	NT	
Dichloropropene, cis 1,3-	NL	NL	NL	NL	NL	mg/kg	<0.000714	<0.000763	NT	NT	<0.000716	NT	NT	NT	
Dichloropropene, trans 1,3-	NL	NL	NL	NL	NL	mg/kg	<0.00161	<0.00172	NT	NT	<0.00162	NT	NT	NT	
Diisopropyl ether	NL	NL	NL	NL	NL	mg/kg	<0.000369	<0.000394	NT	NT	<0.00037	NT	NT	NT	
Ethyl benzene	6	8,000	NL	NL	5.9	mg/kg	<0.000558	<0.000597	NT	NT	<0.00056	NT	NT	NT	
Ethylene dibromide	0.005	720	0.5	NL	0.00027	mg/kg	<0.000553	<0.000591	NT	NT	<0.000554	NT	NT	NT	
Hexachlorobutadiene	NL	80	13.00	NL	0.60	mg/kg	<0.0134	<0.0143	NT	NT	<0.0134	NT	NT	NT	
Methyl ethyl ketone	NL	48,000	NL	NL	20	mg/kg	<0.0132	<0.0141	NT	NT	<0.0132	NT	NT	NT	
Methyl isobutyl ketone	NL	6,400	NL	NL	2.7	mg/kg	<0.0105	<0.0113	NT	NT	<0.0106	NT	NT	NT	
Methylene bromide	NL	800	NL	NL	0.36	mg/kg	<0.00105	<0.00113	NT	NT	<0.00106	NT	NT	NT	
Methylene chloride	0.02	480	94	NL	0.021	mg/kg	<0.00699	<0.00747	NT	NT	<0.00701	NT	NT	NT	
MTBE	0.1	NL	560	NL	0.10	mg/kg	<0.000311	<0.000332	NT	NT	<0.000312	NT	NT	NT	
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	<0.00329	<0.00351	NT	NT	<0.00329	NT	NT	NT	
Propylbenzene, n-	NL	8,000	NL	NL	16	mg/kg	<0.00124	<0.00133	NT	NT	<0.00125	NT	NT	NT	
Styrene	NL	16,000	NL	NL	2.2	mg/kg	<0.00288	<0.00307	NT	NT	<0.00288	NT	NT	NT	
Tetrachloroethane, 1,1,1,2-	NL	2,400	38	NL	0.0098	mg/kg	<0.000527	<0.000563	NT	NT	<0.000528	NT	NT	NT	
Tetrachloroethane, 1,1,2,2-	NL	1,600	5	NL	0.0012	mg/kg	<0.000411	<0.000439	NT	NT	<0.000412	NT	NT	NT	
Tetrachloroethylene	0.05	480	480	NL	0.05	mg/kg	<0.000737	<0.000788	NT	NT	<0.000739	NT	NT	NT	
Toluene	7	6,400	NL	NL	4.5	mg/kg	0.00440 J	0.00428 J	NT	NT	0.00228 J	NT	NT	NT	
Trichloro-1,2,2-trifluoroethane, 1,1,2-	NL	2,400,000	NL	NL	7,600	mg/kg	<0.000711	<0.00076	NT	NT	<0.000713	NT	NT	NT	
Trichlorobenzene, 1,2,3-	NL	64	NL	NL	0.2	mg/kg	<0.000658	<0.000703	NT	NT	<0.00066	NT	NT	NT	
Trichlorobenzene, 1,2,4-	NL	800	34	NL	0.56	mg/kg	<0.00508	<0.00542	NT	NT	<0.00509	NT	NT	NT	
Trichloroethane, 1,1,1-	2	160,000	NL	NL	1.5	mg/kg	<0.00029	<0.00031	NT	NT	<0.00029	NT	NT	NT	
Trichloroethane, 1,1,2-	NL	320	18	NL	0.017	mg/kg	<0.00093	<0.000994	NT	NT	<0.000932	NT	NT	NT	
Trichloroethylene	0.03	40	12.00	NL	0.025	mg/kg	<0.000421	<0.00045	NT	NT	<0.000422	NT	NT	NT	
Trichlorofluoromethane	NL	24,000	NL	NL	23	mg/kg	<0.000527	<0.000563	NT	NT	<0.000528	NT	NT	NT	
Trichloropropane, 1,2,3-	NL	320	0.0063	NL	0.0000024	mg/kg	<0.00537	<0.00574	NT	NT	<0.00539	NT	NT	NT	
Trimethylbenzene, 1,2,3-	NL	800	NL	NL	1.3	mg/kg	<0.00121	<0.00129	NT	NT	<0.00121	NT	NT	NT	
Trimethylbenzene, 1,2,4-	NL	800	NL	NL	1.3	mg/kg	<0.00122	<0.00131	NT	NT	<0.00122	NT	NT	NT	
Trimethylbenzene, 1,3,5-	NL	800	NL	NL	1.3	mg/kg	<0.00114	<0.00122	NT	NT	<0.00114	NT	NT	NT	
Vinyl chloride	NL	240	0.67	NL	0.0017	mg/kg	<0.000719	<0.000769	NT	NT	<0.000721	NT	NT	NT	
Xylenes	9	16,000	9	NL	14	mg/kg	<0.00503	<0.00538	NT	NT	<0.00505	NT	NT	NT	

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB15					SB15A		
Laboratory Identification							L1161924-01 L1165576-01	L1161924-02	L1169568-01	L1169568-02	L1161924-03 L1165576-03	L1165628-01 L1168120-01	L1168403-24	L1165628-02 L1168120-02
Sample Date							11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019
Depth Range							0 - 1 ft	1 - 2 ft	3 - 4 ft	6 - 8 ft	10 - 12 ft	0 - 1 ft	1 - 2 ft	2 - 3 ft
SVOCs (Method 8270)														
Acenaphthene	NL	4,800	NL	NL	98	mg/kg	<0.0676	NT	NT	NT	NT	<0.0678	NT	<0.00711
Acenaphthylene	NL	NL	NL	NL	NL	mg/kg	<0.0707	NT	NT	NT	NT	<0.0708	NT	<0.00743
Anthracene	NL	24,000	NL	NL	2,300	mg/kg	<0.0666	NT	NT	NT	NT	<0.0667	NT	<0.007
Benz-a-anthracene	NL	NL	NL	NL	NL	mg/kg	<0.0451	NT	NT	NT	NT	<0.0452	NT	<0.00474
Benzidine	NL	240	0.0043	NL	0.000011	mg/kg	<0.671	NT	NT	NT	NT	<0.672	NT	<0.0705
Benzo-a-pyrene	0.1	24	0.19	30	3.9	mg/kg	<0.0577	NT	NT	NT	NT	<0.0578	NT	<0.00607
Benzo-b-fluoranthene	NL	NL	NL	NL	NL	mg/kg	<0.0732	NT	NT	NT	NT	<0.0734	NT	<0.0077
Benzo-g,h,i-perylene	NL	NL	NL	NL	NL	mg/kg	<0.0759	NT	NT	NT	NT	<0.0761	NT	<0.00798
Benzo-k-fluoranthene	NL	NL	NL	NL	NL	mg/kg	<0.0613	NT	NT	NT	NT	<0.0614	NT	<0.00645
Bis (2-chloroethoxy) methane	NL	240	NL	NL	0.21	mg/kg	<0.0811	NT	NT	NT	NT	<0.0813	NT	<0.00853
Bis (2-chloroethyl) ether	NL	NL	0.91	NL	0.00022	mg/kg	<0.0944	NT	NT	NT	NT	<0.0946	NT	<0.00992
Bis (2-ethyl-hexyl) phthalate	NL	1,600	71	NL	13	mg/kg	<0.126	NT	NT	NT	NT	<0.127	NT	<0.0133
Bromophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	<0.12	NT	NT	NT	NT	<0.12	NT	<0.0126
Butyl benzyl phthalate	NL	16,000	530	NL	13	mg/kg	<0.108	NT	NT	NT	NT	<0.109	NT	<0.0114
Chloro-3-methylphenol, 4- (chlorocresol))	NL	NL	NL	NL	NL	mg/kg	<0.0502	NT	NT	NT	NT	<0.0504	NT	<0.00528
Chloronaphthalene, 2- (beta-chloronaphthalene)	NL	6,400	NL	NL	34	mg/kg	<0.0673	NT	NT	NT	NT	<0.0675	NT	<0.00708
Chlorophenol, 2-	NL	400	NL	NL	0.47	mg/kg	<0.0875	NT	NT	NT	NT	<0.0877	NT	<0.0092
Chlorophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	<0.066	NT	NT	NT	NT	<0.0662	NT	<0.00694
Chrysene	NL	NL	NL	NL	NL	mg/kg	<0.0585	NT	NT	NT	NT	<0.0586	NT	<0.00615
Dibenz-a,h-anthracene	NL	NL	NL	NL	NL	mg/kg	<0.0865	NT	NT	NT	NT	<0.0867	NT	<0.00909
Dichlorobenzidine, 3,3-	NL	NL	2.2	NL	NL	mg/kg	<0.836	NT	NT	NT	NT	<0.838	NT	<0.0879
Dichlorophenol, 2,4-	NL	240	NL	NL	0.17	mg/kg	<0.0786	NT	NT	NT	NT	<0.0787	NT	<0.00826
Diethyl phthalate	NL	64,000	NL	NL	72	mg/kg	<0.0728	NT	NT	NT	NT	<0.0729	NT	<0.00765
Dimethyl phenol, 2,4-	NL	1,600	NL	NL	1.3	mg/kg	<0.496	NT	NT	NT	NT	<0.497	NT	<0.0522
Dimethylphthalate	NL	NL	NL	NL	NL	mg/kg	<0.0569	NT	NT	NT	NT	<0.057	NT	<0.00598
Di-n-butyl phthalate	NL	NL	NL	200	NL	mg/kg	<0.115	NT	NT	NT	NT	<0.115	NT	<0.0121
Dinitro-2-methylphenol, 4,6-	NL	NL	NL	NL	NL	mg/kg	<1.31	NT	NT	NT	NT	<1.31	NT	<0.137
Dinitrophenol, 2,4-	NL	NL	NL	NL	NL	mg/kg	<1.03	NT	NT	NT	NT	<1.03	NT	<0.109
Dinitrotoluene, 2,4-	NL	160	3.2	NL	0.0017	mg/kg	<0.0639	NT	NT	NT	NT	<0.0641	NT	<0.00672
Dinitrotoluene, 2,6-	NL	24	0.67	NL	0.00031	mg/kg	<0.0776	NT	NT	NT	NT	<0.0778	NT	<0.00816
Di-n-octyl phthalate	NL	800	NL	NL	270,000	mg/kg	<0.0955	NT	NT	NT	NT	<0.0957	NT	<0.01
Fluoranthene	NL	3,200	NL	NL	630	mg/kg	<0.0522	NT	NT	NT	NT	<0.0524	NT	<0.00549
Fluorene	NL	3,200	NL	NL	100	mg/kg	<0.0718	NT	NT	NT	NT	<0.072	NT	<0.00755
Hexachlorobenzene	NL	160	0.63	31	0.88	mg/kg	<0.0902	NT	NT	NT	NT	<0.0904	NT	<0.00948
Hexachlorocyclopentadiene	NL	480	NL	NL	190	mg/kg	<0.618	NT	NT	NT	NT	<0.62	NT	<0.065
Hexachloroethane	NL	56	25	NL	0.043	mg/kg	<0.141	NT	NT	NT	NT	<0.141	NT	<0.0148
Indeno-1,2,3-cd-pyrene	NL	NL	NL	NL	NL	mg/kg	<0.0813	NT	NT	NT	NT	<0.0815	NT	<0.00855
Isophorone	NL	16,000	1100	NL	0.23	mg/kg	<0.055	NT	NT	NT	NT	<0.0551	NT	<0.00578
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	<0.0936	NT	NT	NT	NT	<0.0938	NT	<0.00984
Nitrobenzene	NL	160	NL	NL	0.1	mg/kg	<0.0732	NT	NT	NT	NT	<0.0734	NT	<0.0077
Nitrophenol, 2-	NL	NL	NL	NL	NL	mg/kg	<0.137	NT	NT	NT	NT	<0.137	NT	<0.0144
Nitrophenol, 4-	NL	NL	NL	NL	NL	mg/kg	<0.553	NT	NT	NT	NT	<0.554	NT	<0.0581
Nitrosodimethylamine, N-	NL	0.64	0.02	NL	0.0000038	mg/kg	<0.681	NT	NT	NT	NT	<0.683	NT	<0.0716
Nitrosodi-n-propylamine, N-	NL	NL	0.14	NL	NL	mg/kg	<0.0954	NT	NT	NT	NT	<0.0956	NT	<0.01
Nitrosodiphenylamine, N-	NL	NL	200	NL	NL	mg/kg	<0.948	NT	NT	NT	NT	<0.95	NT	<0.0997
Pentachlorophenol	NL	400	2.5	11	NL	mg/kg	<0.506	NT	NT	NT	NT	<0.507	NT	<0.0532
Phenanthrene	NL	NL	NL	NL	NL	mg/kg	<0.0556	NT	NT	NT	NT	<0.0557	NT	<0.00585
Phenol	NL	24,000	NL	NL	11	mg/kg	<0.0732	NT	NT	NT	NT	<0.0734	NT	<0.0077
Pyrene	NL	2,400	NL	NL	650	mg/kg	<0.13	NT	NT	NT	NT	<0.13	NT	<0.0136
Trichlorophenol, 2,4,6-	NL	80	91	NL	0.046	mg/kg	<0.082	NT	NT	NT	NT	<0.0822	NT	<0.00863
PAHs (Method 8270)														
Acenaphthene	NL	4,800	NL	NL	98	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Acenaphthylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Anthracene	NL	24,000	NL	NL	2,300	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Benz-a-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-a-pyrene	0.1	24	0.19	30	3.9	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-b-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-g,h,i-perylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-k-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Chloronaphthalene, 2- (beta-chloronaphthalene)	NL	6,400	NL	NL	34	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Chrysene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Dibenz-a,h-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Fluoranthene	NL	3,200	NL	NL	630	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Fluorene	NL	3,200	NL	NL	100	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Indeno-1,2,3-cd-pyrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Methylnaphthalene, 1-	NL	5600	34	NL	0.082	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Methylnaphthalene, 2-	NL	320	NL	NL	1.7	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Phenanthrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Pyrene	NL	2,400	NL	NL	650	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
PCBs (Method 8082)														
Aroclor 1016	NL	5.6	14.00	NL	NL	mg/kg	NT	NT	NT	NT	NT	<0.0037	NT	NT
Aroclor 1221	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	<0.00567	NT	NT
Aroclor 1232	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	<0.0044	NT	NT
Aroclor 1242	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	<0.00335	NT	NT
Aroclor 1248	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	<0.00332	NT	NT
Aroclor 1254	NL	1.6	0.50	NL	0.71	mg/kg	NT	NT	NT	NT	NT	<0.00498	NT	NT
Aroclor 1260	NL	NL	0.50	NL	NL	mg/kg	NT	NT	NT	NT	NT	0.01050 J	NT	NT

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB15B						SB15C			SB15D		
Laboratory Identification							L1165628-03 L1168120-03	L1168403-25	L1165628-04 L1168120-04	L1168120-09	L1169561-01	L1169561-02	L1165628-05 L1168120-05	L1168403-26	L1165628-06 L1168120-06	L1165628-07 L1168120-07	L1168403-27	L1165628-08 L1168120-08
Sample Date							11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019
Depth Range							0 - 1 ft	1 - 2 ft	2 - 3 ft	3 - 4 ft	6 - 8 ft	14 - 15 ft	0 - 1 ft	1 - 2 ft	2 - 3 ft	0 - 1 ft	1 - 2 ft	2 - 3 ft
Hydrocarbon																		
Gasoline range organics(Benzene Present)	30	NL	NL	200	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Gasoline range organics (Benzene NonDetect)	100	NL	NL	200	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Diesel range organics	2000	NL	NL	460	NL	mg/kg	917	371 T8	9.17	NT	NT	NT	91 J	118 T8	93.4 J	<71.1	35.1 J T8	39 J
Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	878	265 T8	20.1	NT	NT	NT	1430	789 T8	1010	913	180 T8	355
Total Diesel/Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	1795	636	29.27	NT	NT	NT	1521	907	1103.4	948.55	215.1	394
Metals																		
Arsenic	20	24	0.67	20	2.9	mg/kg	36.4	NT	3.96	22.6	2.64	1.73 J	16.8	NT	8.67	18.2	NT	2.96
Barium	NL	16000	NL	1250	1600	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Cadmium	2	80	NL	25	0.69	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Lead	250	NL	NL	220	3000	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Mercury	2	NL	NL	9	2.1	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Selenium	NL	400	NL	0.8	5.2	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Silver	NL	400	NL	NL	14	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Total Chromium	NL	NL	NL	42	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chromium,Hexavalent	19	240	NL	NL	18.00	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chromium,Trivalent	2000	120000	NL	NL	480000	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Other																		
% Moisture	NL	NL	NL	NL	NL	%	95	92.7	94.3	91.4	93.5	92.4	94.4	88.8	93.9	93.6	92.8	93.1
pH	NL	NL	NL	NL	NL	s.u.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Herbicides (Method 8151)																		
4-(chloro-2-methylphenoxy) acetic acid	NL	40	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dalapon, sodium salt	NL	2400	NL	NL	0.81	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dicamba	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorophenoxy, 2,4- butyric acid, 4-(db(2,4-)	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorophenoxyacetic acid, 2,4-	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichloroprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dinoseb	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TP Silvex, 2,4,5-	NL	640	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichlorophenoxyacetic acid, 2,4,5-	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Organophosphate Pesticides (Method 8141)																		
Azinphos-methyl	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlorpyrifos	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Coumaphos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Demeton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Diazinon	NL	56	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorvos	NL	40.00	3.40	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dimethoate	NL	180	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Disulfoton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
EPN (ethyl p-nitrophenyl phenylphosphorothioate)	NL	0.8	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ethoprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fensulfothion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fenthion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
lindane	0.01	24.00	0.91	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Malathion	NL	1600	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
MCPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Merphos	NL	2.4	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methyl parathion	NL	20	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Naled	NL	160	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Parathion	NL	480	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phorate	NL	16	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phosdrin (mevinphos)	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Prothiofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ronnel	NL	4000	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Sulprofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TEPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tetrachlorvinphos	NL	2400	42	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichloronate	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
OrganoChlorine Pesticides (Method 8081)																		
Aldrin	NL	2.4	0.059	0.17	0.0025	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlordane	NL	NL	NL	1	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DDD	NL	2.4	4.20	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DDE	NL	24	2.90	NL	0.45	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DDT	3	40.00	2.90	NL	3.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dieldrin	NL	4	0.063	0.17	0.0028	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endosulfan I	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endosulfan II	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endosulfan sulfate	NL	480	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endrin	NL	24	NL	0.4	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endrin aldehyde	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endrin ketone	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Heptachlor	NL	40	0.22	NL	0.038	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Heptachlor epoxide	NL	1	0.11	NL	0.08	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclohexane, alpha	NL	640	0.16	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclohexane, beta	NL	NL	0.56	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclohexane, delta	NL	NL	0.56	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methoxychlor	NL	400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tetraethyl dithiopyrophosphate	NL	40	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Toxaphene	NL	7.2	0.91	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method C Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB15B						SB15C			SB15D		
Laboratory Identification							L1165628-03 L1168120-03	L1168403-25	L1165628-04 L1168120-04	L1168120-09	L1169561-01	L1169561-02	L1165628-05 L1168120-05	L1168403-26	L1165628-06 L1168120-06	L1165628-07 L1168120-07	L1168403-27	L1165628-08 L1168120-08
Sample Date							11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019
Depth Range							0 - 1 ft	1 - 2 ft	2 - 3 ft	3 - 4 ft	6 - 8 ft	14 - 15 ft	0 - 1 ft	1 - 2 ft	2 - 3 ft	0 - 1 ft	1 - 2 ft	2 - 3 ft
VOAs																		
Acetone	NL	72000	NL	NL	29	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Acrylonitrile	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benzene	0.03	320	18	NL	0.027	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Bromobenzene	NL	640	NL	NL	0.56	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Bromodichloromethane	NL	1,600	16	NL	0.036	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Bromoform	NL	1,600	130	NL	0.36	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Bromomethane	NL	110	NL	NL	0.05	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Butylbenzene, n-	NL	4,000	NL	NL	14	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Butylbenzene, sec-	NL	8,000	NL	NL	25	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Butylbenzene, tert-	NL	8,000	NL	NL	20	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Carbon tetrachloride	NL	320	14	NL	0.042	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chlorobenzene	NL	1,600	NL	NL	0.86	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chloroethane (ethyl chloride)	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chloroform	NL	800	32	NL	0.074	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chloromethane	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chlorotoluene, o-	NL	1600	NL	NL	1.9	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chlorotoluene, p-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Cumene	NL	8,000	NL	NL	15	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Cymene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dibromo-3-chloropropane, 1,2-	NL	16	1.3	NL	0.0013	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dibromochloromethane	NL	1,600	12	NL	0.028	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichlorobenzene, 1,2-	NL	7,200	NL	NL	7	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichlorobenzene, 1,3-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichlorobenzene, 1,4-	NL	5,600	190	NL	1.2	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichlorodifluoromethane	NL	16,000	NL	NL	38	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloroethane, 1,1-	NL	16,000	180	NL	0.041	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloroethane, 1,2-	NL	480	11	NL	0.023	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloroethylene, 1,1-	NL	4,000	NL	NL	0.046	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloroethylene, cis-1,2-	NL	160	NL	NL	0.078	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloroethylene, trans-1,2	NL	1,600	NL	NL	0.52	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloropropane, 1,2-	NL	3,200	27	NL	0.025	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloropropane, 1,3-	NL	1,600	NL	NL	0.88	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloropropane, 2,2-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloropropene, 1,1-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloropropene, cis 1,3-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloropropene, trans 1,3-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Diisopropyl ether	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Ethyl benzene	6	8,000	NL	NL	5.9	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Ethylene dibromide	0.005	720	0.5	NL	0.00027	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Hexachlorobutadiene	NL	80	13.00	NL	0.60	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Methyl ethyl ketone	NL	48,000	NL	NL	20	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Methyl isobutyl ketone	NL	6,400	NL	NL	2.7	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Methylene bromide	NL	800	NL	NL	0.36	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Methylene chloride	0.02	480	94	NL	0.021	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
MTBE	0.1	NL	560	NL	0.10	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Propylbenzene, n-	NL	8,000	NL	NL	16	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Styrene	NL	16,000	NL	NL	2.2	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Tetrachloroethane, 1,1,1,2-	NL	2,400	38	NL	0.0098	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Tetrachloroethane, 1,1,2,2-	NL	1,600	5	NL	0.0012	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Tetrachloroethylene	0.05	480	480	NL	0.05	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Toluene	7	6,400	NL	NL	4.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichloro-1,2,2-trifluoroethane, 1,1,2-	NL	2,400,000	NL	NL	7,600	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichlorobenzene, 1,2,3-	NL	64	NL	NL	0.2	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichlorobenzene, 1,2,4-	NL	800	34	NL	0.56	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichloroethane, 1,1,1-	2	160,000	NL	NL	1.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichloroethane, 1,1,2-	NL	320	18	NL	0.017	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichloroethylene	0.03	40	12.00	NL	0.025	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichlorofluoromethane	NL	24,000	NL	NL	23	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichloropropane, 1,2,3-	NL	320	0.0063	NL	0.0000024	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trimethylbenzene, 1,2,3-	NL	800	NL	NL	1.3	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trimethylbenzene, 1,2,4-	NL	800	NL	NL	1.3	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trimethylbenzene, 1,3,5-	NL	800	NL	NL	1.3	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Vinyl chloride	NL	240	0.67	NL	0.0017	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Xylenes	9	16,000	9	NL	14	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB15B						SB15C			SB15D		
Laboratory Identification							L1165628-03 L1168120-03	L1168403-25	L1165628-04 L1168120-04	L1168120-09	L1169561-01	L1169561-02	L1165628-05 L1168120-05	L1168403-26	L1165628-06 L1168120-06	L1165628-07 L1168120-07	L1168403-27	L1165628-08 L1168120-08
							11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019
Sample Date							0 - 1 ft	1 - 2 ft	2 - 3 ft	3 - 4 ft	6 - 8 ft	14 - 15 ft	0 - 1 ft	1 - 2 ft	2 - 3 ft	0 - 1 ft	1 - 2 ft	2 - 3 ft
Depth Range																		
SVOCs (Method 8270)																		
Acenaphthene	NL	4,800	NL	NL	98	mg/kg	<0.0676	NT	<0.00681	NT	NT	NT	<0.068	NT	<0.137	<0.0686	NT	<0.0345
Acenaphthylene	NL	NL	NL	NL	NL	mg/kg	<0.0706	NT	<0.00711	NT	NT	NT	<0.0711	NT	<0.143	<0.0717	NT	<0.036
Anthracene	NL	24,000	NL	NL	2,300	mg/kg	<0.0665	NT	<0.0067	NT	NT	NT	<0.0669	NT	<0.135	<0.0675	NT	<0.0339
Benz-a-anthracene	NL	NL	NL	NL	NL	mg/kg	<0.045	NT	<0.00454	NT	NT	NT	<0.0453	NT	<0.0912	<0.0457	NT	<0.023
Benzidine	NL	240	0.0043	NL	0.000011	mg/kg	<0.67	NT	<0.0675	NT	NT	NT	<0.675	NT	<1.36	<0.681	NT	<0.342
Benzo-a-pyrene	0.1	24	0.19	30	3.9	mg/kg	<0.0577	NT	<0.00581	NT	NT	NT	<0.0581	NT	<0.117	<0.0586	NT	<0.0294
Benzo-b-fluoranthene	NL	NL	NL	NL	NL	mg/kg	<0.0731	NT	<0.00737	NT	NT	NT	<0.0736	NT	<0.148	<0.0743	NT	<0.0373
Benzo-g,h,i-perylene	NL	NL	NL	NL	NL	mg/kg	<0.0759	NT	<0.00764	NT	NT	NT	<0.0764	NT	<0.154	<0.0771	NT	<0.0387
Benzo-k-fluoranthene	NL	NL	NL	NL	NL	mg/kg	<0.0612	NT	<0.00617	NT	NT	NT	<0.0617	NT	<0.124	<0.0622	NT	<0.0312
Bis (2-chloroethoxy) methane	NL	240	NL	NL	0.21	mg/kg	<0.081	NT	<0.00816	NT	NT	NT	<0.0816	NT	<0.164	<0.0823	NT	<0.0413
Bis (2-chloroethyl) ether	NL	NL	0.91	NL	0.00022	mg/kg	<0.0943	NT	<0.0095	NT	NT	NT	<0.0949	NT	<0.191	<0.0958	NT	<0.0481
Bis (2-ethyl-hexyl) phthalate	NL	1,600	71	NL	13	mg/kg	<0.126	NT	<0.0127	NT	NT	NT	<0.127	NT	<0.256	<0.128	NT	<0.0644
Bromophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	<0.12	NT	<0.0121	NT	NT	NT	<0.121	NT	<0.243	<0.122	NT	<0.0612
Butyl benzyl phthalate	NL	16,000	530	NL	13	mg/kg	<0.108	NT	<0.0109	NT	NT	NT	<0.109	NT	<0.219	<0.11	NT	<0.0553
Chloro-3-methylphenol, 4- (chlorocresol))	NL	NL	NL	NL	NL	mg/kg	<0.0502	NT	<0.00506	NT	NT	NT	<0.0505	NT	<0.102	<0.051	NT	<0.0256
Chloronaphthalene, 2- (beta-chloronaphthalene)	NL	6,400	NL	NL	34	mg/kg	<0.0672	NT	<0.00677	NT	NT	NT	<0.0677	NT	<0.136	<0.0683	NT	<0.0343
Chlorophenol, 2-	NL	400	NL	NL	0.47	mg/kg	<0.0874	NT	<0.00881	NT	NT	NT	<0.088	NT	<0.177	<0.0888	NT	<0.0446
Chlorophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	<0.066	NT	<0.00665	NT	NT	NT	<0.0664	NT	<0.134	<0.067	NT	<0.0337
Chrysene	NL	NL	NL	NL	NL	mg/kg	<0.0584	NT	<0.00588	NT	NT	NT	<0.0588	NT	<0.118	<0.0593	NT	<0.0298
Dibenz-a,h-anthracene	NL	NL	NL	NL	NL	mg/kg	<0.0864	NT	<0.0087	NT	NT	NT	<0.087	NT	<0.175	<0.0878	NT	<0.0441
Dichlorobenzidine, 3,3-	NL	NL	2.2	NL	NL	mg/kg	<0.836	NT	<0.0842	NT	NT	NT	<0.841	NT	<1.69	<0.849	NT	<0.426
Dichlorophenol, 2,4-	NL	240	NL	NL	0.17	mg/kg	<0.0785	NT	<0.00791	NT	NT	NT	<0.079	NT	<0.159	<0.0797	NT	<0.0401
Diethyl phthalate	NL	64,000	NL	NL	72	mg/kg	<0.0727	NT	<0.00733	NT	NT	NT	<0.0732	NT	<0.147	<0.0739	NT	<0.0371
Dimethyl phenol, 2,4-	NL	1,600	NL	NL	1.3	mg/kg	<0.496	NT	<0.0499	NT	NT	NT	<0.499	NT	<1	<0.503	NT	<0.253
Dimethylphthalate	NL	NL	NL	NL	NL	mg/kg	<0.0568	NT	<0.00573	NT	NT	NT	<0.0572	NT	<0.115	<0.0577	NT	<0.029
Di-n-butyl phthalate	NL	NL	NL	200	NL	mg/kg	<0.115	NT	<0.0116	NT	NT	NT	<0.115	NT	<0.232	<0.117	NT	<0.0585
Dinitro-2-methylphenol, 4,6-	NL	NL	NL	NL	NL	mg/kg	<1.3	NT	<0.131	NT	NT	NT	<1.31	NT	<2.64	<1.33	NT	<0.666
Dinitrophenol, 2,4-	NL	NL	NL	NL	NL	mg/kg	<1.03	NT	<0.104	NT	NT	NT	<1.04	NT	<2.09	<1.05	NT	<0.526
Dinitrotoluene, 2,4-	NL	160	3.2	NL	0.0017	mg/kg	<0.0639	NT	<0.00644	NT	NT	NT	<0.0643	NT	<0.129	<0.0649	NT	<0.0326
Dinitrotoluene, 2,6-	NL	24	0.67	NL	0.00031	mg/kg	<0.0776	NT	<0.00781	NT	NT	NT	<0.0781	NT	<0.157	<0.0788	NT	<0.0396
Di-n-octyl phthalate	NL	800	NL	NL	270,000	mg/kg	<0.0954	NT	<0.00962	NT	NT	NT	<0.0961	NT	<0.193	<0.0969	NT	<0.0487
Fluoranthene	NL	3,200	NL	NL	630	mg/kg	<0.0522	NT	<0.00526	NT	NT	NT	<0.0525	NT	<0.106	<0.053	NT	<0.0266
Fluorene	NL	3,200	NL	NL	100	mg/kg	<0.0718	NT	<0.00723	NT	NT	NT	<0.0722	NT	<0.145	<0.0729	NT	<0.0366
Hexachlorobenzene	NL	160	0.63	31	0.88	mg/kg	<0.0901	NT	<0.00908	NT	NT	NT	<0.0907	NT	<0.182	<0.0915	NT	<0.046
Hexachlorocyclopentadiene	NL	480	NL	NL	190	mg/kg	<0.618	NT	<0.0622	NT	NT	NT	<0.622	NT	<1.25	<0.627	NT	<0.315
Hexachloroethane	NL	56	25	NL	0.043	mg/kg	<0.141	NT	<0.0142	NT	NT	NT	<0.142	NT	<0.285	<0.143	NT	<0.0719
Indeno-1,2,3-cd-pyrene	NL	NL	NL	NL	NL	mg/kg	<0.0812	NT	<0.00818	NT	NT	NT	<0.0818	NT	<0.164	<0.0825	NT	<0.0415
Isophorone	NL	16,000	1100	NL	0.23	mg/kg	<0.0549	NT	<0.00553	NT	NT	NT	<0.0553	NT	<0.111	<0.0558	NT	<0.028
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	<0.0935	NT	<0.00943	NT	NT	NT	<0.0942	NT	<0.189	<0.095	NT	<0.0477
Nitrobenzene	NL	160	NL	NL	0.1	mg/kg	<0.0731	NT	<0.00737	NT	NT	NT	<0.0736	NT	<0.148	<0.0743	NT	<0.0373
Nitrophenol, 2-	NL	NL	NL	NL	NL	mg/kg	<0.137	NT	<0.0138	NT	NT	NT	<0.138	NT	<0.277	<0.139	NT	<0.0698
Nitrophenol, 4-	NL	NL	NL	NL	NL	mg/kg	<0.552	NT	<0.0557	NT	NT	NT	<0.556	NT	<1.12	<0.561	NT	<0.282
Nitrosodimethylamine, N-	NL	0.64	0.02	NL	0.0000038	mg/kg	<0.681	NT	<0.0686	NT	NT	NT	<0.685	NT	<1.38	<0.692	NT	<0.347
Nitrosodi-n-propylamine, N-	NL	NL	0.14	NL	NL	mg/kg	<0.0953	NT	<0.00961	NT	NT	NT	<0.096	NT	<0.193	<0.0968	NT	<0.0486
Nitrosodiphenylamine, N-	NL	NL	200	NL	NL	mg/kg	<0.947	NT	<0.0954	NT	NT	NT	<0.953	NT	<1.92	<0.962	NT	<0.483
Pentachlorophenol	NL	400	2.5	11	NL	mg/kg	<0.505	NT	<0.0509	NT	NT	NT	<0.508	NT	<1.02	<0.513	NT	<0.258
Phenanthrene	NL	NL	NL	NL	NL	mg/kg	<0.0556	NT	<0.0056	NT	NT	NT	<0.0559	NT	<0.112	<0.0564	NT	<0.0283
Phenol	NL	24,000	NL	NL	11	mg/kg	<0.0731	NT	<0.00737	NT	NT	NT	<0.0736	NT	<0.			

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB16				SB16A		SB16B		SB16C		
Laboratory Identification							L1161400-08	L1168403-11	L1161400-09 L1165576-09	L1161400-10	L1168403-12	L1168403-13	L1168403-14	L1168403-15	L1168403-16	L1168403-17	
Sample Date							11/13/2019	11/14/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	
Depth Range							0 - 1 ft	1 - 2 ft	2 - 3 ft	10 - 12 ft	0 - 1 ft	1 - 2 ft	0 - 1 ft	1 - 2 ft	0 - 1 ft	1 - 2 ft	
Hydrocarbon																	
Gasoline range organics(Benzene Present)	30	NL	NL	200	NL	mg/kg	-	NT	-	-	NT	NT	NT	NT	NT	NT	
Gasoline range organics (Benzene NonDetect)	100	NL	NL	200	NL	mg/kg	<0.928	NT	<0.941	<0.98	NT	NT	NT	NT	NT	NT	
Diesel range organics	2000	NL	NL	460	NL	mg/kg	151.0 J	76.9 J T8	28.9 J	<15.4	84.3 J T8	40.8 J T8	235 T8	38.9 J T8	405 T8	69.9 T8	
Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	1390	445 T8	253	82.8 J	400 T8	196 T8	1070 T8	174 T8	1530 T8	299 T8	
Total Diesel/Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	1541	521.9	281.9	90.5	484.3	236.8	1305	212.9	1935	368.9	
Metals																	
Arsenic	20	24	0.67	20	2.9	mg/kg	2.93	NT	5.37	4.73	NT	NT	NT	NT	NT	NT	
Barium	NL	16000	NL	1250	1600	mg/kg	51.1	NT	88.8	85.3	NT	NT	NT	NT	NT	NT	
Cadmium	2	80	NL	25	0.69	mg/kg	0.1600 J	NT	0.2140 J	0.2180 J	NT	NT	NT	NT	NT	NT	
Lead	250	3000	NL	220	3000	mg/kg	8.54	NT	11.5	22.3	NT	NT	NT	NT	NT	NT	
Mercury	2	NL	NL	9	2.1	mg/kg	0.01900 J	NT	0.0368	0.0396	NT	NT	NT	NT	NT	NT	
Selenium	NL	400	NL	0.8	5.2	mg/kg	<0.679	NT	<0.688	<0.717	NT	NT	NT	NT	NT	NT	
Silver	NL	400	NL	NL	14	mg/kg	<0.131	NT	<0.133	<0.139	NT	NT	NT	NT	NT	NT	
Total Chromium	NL	NL	NL	42	NL	mg/kg	20.4	NT	34.3	30.5	NT	NT	NT	NT	NT	NT	
Chromium,Hexavalent	19	240	NL	NL	18.00	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chromium,Trivalent	2000	120000	NL	NL	480000	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Other																	
% Moisture	NL	NL	NL	NL	NL	%	91.3	87	90.1	86.5	89.8	86.3	89.1	89.5	93.2	91.5	
pH	NL	NL	NL	NL	NL	s.u.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Herbicides (Method 8151)																	
4-(chloro-2-methylphenoxy) acetic acid	NL	40	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dalapon, sodium salt	NL	2400	NL	NL	0.81	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dicamba	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichlorophenoxy, 2,4- butyric acid, 4-(db,2,4-)	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichlorophenoxyacetic acid, 2,4-	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichlororoprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dinoseb	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
TP Silvex, 2,4,5-	NL	640	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichlorophenoxyacetic acid, 2,4,5-	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Organophosphate Pesticides (Method 8141)																	
Azinphos-methyl	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chlorpyrifos	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Coumaphos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Demeton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Diazinon	NL	56	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichlorvos	NL	40.00	3.40	NL	NL	mg/kg	<0.679	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dimethoate	NL	180	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Disulfoton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
EPN (ethyl p-nitrophenyl phenylphosphorothioate)	NL	0.8	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Ethoprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Fensulfothion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Fenthion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
lindane	0.01	24.00	0.91	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Malathion	NL	1600	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
MCPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Merphos	NL	2.4	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Methyl parathion	NL	20	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Naled	NL	160	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Parathion	NL	480	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Phorate	NL	16	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Phosdrin (mevinphos)	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Prothiofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Ronnel	NL	4000	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Sulprofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
TEPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Tetrachlorvinphos	NL	2400	42	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichloronate	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
OrganoChlorine Pesticides (Method 8081)																	
Aldrin	NL	2.4	0.059	0.17	0.0025	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chlordane	NL	NL	NL	1	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
DDD	NL	2.4	4.20	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
DDE	NL	24	2.90	NL	0.45	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
DDT	3	40.00	2.90	NL	3.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dieldrin	NL	4	0.063	0.17	0.0028	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Endosulfan I	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Endosulfan II	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Endosulfan sulfate	NL	480	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Endrin	NL	24	NL	0.4	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Endrin aldehyde	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Endrin ketone	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Heptachlor	NL	40	0.22	NL	0.038	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Heptachlor epoxide	NL	1	0.11	NL	0.08	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Hexachlorocyclohexane, alpha	NL	640	0.16	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Hexachlorocyclohexane, beta	NL	NL	0.56	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Hexachlorocyclohexane, delta	NL	NL	0.56	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Methoxychlor	NL	400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Tetraethyl dithiopyrophosphate	NL	40	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Toxaphene	NL	7.2	0.91	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	

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SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

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							L1161400-08	L1168403-11	L1161400-09 L1165576-09	L1161400-10	L1168403-12	L1168403-13	L1168403-14	L1168403-15	L1168403-16	L1168403-17
							11/13/2019	11/14/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019
Depth Range							0 - 1 ft	1 - 2 ft	2 - 3 ft	10 - 12 ft	0 - 1 ft	1 - 2 ft	0 - 1 ft	1 - 2 ft	0 - 1 ft	1 - 2 ft
VOAs																
Acetone	NL	72000	NL	NL	29	mg/kg	<0.015	NT	0.0160 J	<0.0158	NT	NT	NT	NT	NT	NT
Acrylonitrile	NL	NL	NL	NL	NL	mg/kg	<0.00208	NT	<0.00211	<0.0022	NT	NT	NT	NT	NT	NT
Benzene	0.03	320	18	NL	0.027	mg/kg	<0.000438	NT	<0.000444	<0.000463	NT	NT	NT	NT	NT	NT
Bromobenzene	NL	640	NL	NL	0.56	mg/kg	<0.00115	NT	<0.00117	<0.00121	NT	NT	NT	NT	NT	NT
Bromodichloromethane	NL	1,600	16	NL	0.036	mg/kg	<0.000863	NT	<0.000875	<0.000911	NT	NT	NT	NT	NT	NT
Bromoform	NL	1,600	130	NL	0.36	mg/kg	<0.00655	NT	<0.00664	<0.00692	NT	NT	NT	NT	NT	NT
Bromomethane	NL	110	NL	NL	0.05	mg/kg	<0.00405	NT	<0.00411	<0.00428	NT	NT	NT	NT	NT	NT
Butylbenzene, n-	NL	4,000	NL	NL	14	mg/kg	<0.00421	NT	<0.00426	<0.00444	NT	NT	NT	NT	NT	NT
Butylbenzene, sec-	NL	8,000	NL	NL	25	mg/kg	<0.00277	NT	<0.00281	<0.00293	NT	NT	NT	NT	NT	NT
Butylbenzene, tert-	NL	8,000	NL	NL	20	mg/kg	<0.0017	NT	<0.00172	<0.00179	NT	NT	NT	NT	NT	NT
Carbon tetrachloride	NL	320	14	NL	0.042	mg/kg	<0.00118	NT	<0.00125	<0.00125	NT	NT	NT	NT	NT	NT
Chlorobenzene	NL	1,600	NL	NL	0.86	mg/kg	<0.000628	NT	<0.000636	<0.000663	NT	NT	NT	NT	NT	NT
Chloroethane (ethyl chloride)	NL	NL	NL	NL	NL	mg/kg	<0.00118	NT	<0.0012	<0.00125	NT	NT	NT	NT	NT	NT
Chloroform	NL	800	32	NL	0.074	mg/kg	<0.000454	NT	0.000927 J	<0.00048	NT	NT	NT	NT	NT	NT
Chloromethane	NL	NL	NL	NL	NL	mg/kg	<0.00152	NT	<0.00154	<0.00161	NT	NT	NT	NT	NT	NT
Chlorotoluene, o-	NL	1600	NL	NL	1.9	mg/kg	<0.00101	NT	<0.00102	<0.00106	NT	NT	NT	NT	NT	NT
Chlorotoluene, p-	NL	NL	NL	NL	NL	mg/kg	<0.00124	NT	<0.00125	<0.00131	NT	NT	NT	NT	NT	NT
Cumene	NL	8,000	NL	NL	15	mg/kg	<0.000945	NT	<0.000958	<0.000998	NT	NT	NT	NT	NT	NT
Cymene	NL	NL	NL	NL	NL	mg/kg	<0.00255	NT	0.00271 J	<0.00269	NT	NT	NT	NT	NT	NT
Dibromo-3-chloropropane, 1,2-	NL	16	1.3	NL	0.0013	mg/kg	<0.00559	NT	<0.00566	<0.0059	NT	NT	NT	NT	NT	NT
Dibromochloromethane	NL	1,600	12	NL	0.028	mg/kg	<0.000493	NT	<0.000499	<0.00052	NT	NT	NT	NT	NT	NT
Dichlorobenzene, 1,2-	NL	7,200	NL	NL	7	mg/kg	<0.00159	NT	<0.00161	<0.00168	NT	NT	NT	NT	NT	NT
Dichlorobenzene, 1,3-	NL	NL	NL	NL	NL	mg/kg	<0.00186	NT	<0.00189	<0.00197	NT	NT	NT	NT	NT	NT
Dichlorobenzene, 1,4-	NL	5,600	190	NL	1.2	mg/kg	<0.00216	NT	<0.00219	<0.00228	NT	NT	NT	NT	NT	NT
Dichlorodifluoromethane	NL	16,000	NL	NL	38	mg/kg	<0.000896	NT	<0.000908	<0.000946	NT	NT	NT	NT	NT	NT
Dichloroethane, 1,1-	NL	16,000	180	NL	0.041	mg/kg	<0.00063	NT	<0.000638	<0.000665	NT	NT	NT	NT	NT	NT
Dichloroethane, 1,2-	NL	480	11	NL	0.023	mg/kg	<0.00052	NT	<0.000527	<0.000549	NT	NT	NT	NT	NT	NT
Dichloroethylene, 1,1-	NL	4,000	NL	NL	0.046	mg/kg	<0.000548	NT	<0.000555	<0.000578	NT	NT	NT	NT	NT	NT
Dichloroethylene, cis-1,2-	NL	160	NL	NL	0.078	mg/kg	<0.000756	NT	<0.000766	<0.000798	NT	NT	NT	NT	NT	NT
Dichloroethylene, trans-1,2	NL	1,600	NL	NL	0.52	mg/kg	<0.00157	NT	<0.00159	<0.00165	NT	NT	NT	NT	NT	NT
Dichloropropane, 1,2-	NL	3,200	27	NL	0.025	mg/kg	<0.00139	NT	<0.00141	<0.00147	NT	NT	NT	NT	NT	NT
Dichloropropane, 1,3-	NL	1,600	NL	NL	0.88	mg/kg	<0.00192	NT	<0.00194	<0.00202	NT	NT	NT	NT	NT	NT
Dichloropropane, 2,2-	NL	NL	NL	NL	NL	mg/kg	<0.000868	NT	<0.00088	<0.000917	NT	NT	NT	NT	NT	NT
Dichloropropene, 1,1-	NL	NL	NL	NL	NL	mg/kg	<0.000767	NT	<0.000777	<0.000809	NT	NT	NT	NT	NT	NT
Dichloropropene, cis 1,3-	NL	NL	NL	NL	NL	mg/kg	<0.000743	NT	<0.000753	<0.000784	NT	NT	NT	NT	NT	NT
Dichloropropene, trans 1,3-	NL	NL	NL	NL	NL	mg/kg	<0.00168	NT	<0.0017	<0.00177	NT	NT	NT	NT	NT	NT
Diisopropyl ether	NL	NL	NL	NL	NL	mg/kg	<0.000383	NT	<0.000388	<0.000405	NT	NT	NT	NT	NT	NT
Ethyl benzene	6	8,000	NL	NL	5.9	mg/kg	0.00139 J	NT	0.000714 J	<0.000613	NT	NT	NT	NT	NT	NT
Ethylene dibromide	0.005	720	0.5	NL	0.00027	mg/kg	<0.000575	NT	<0.000583	<0.000607	NT	NT	NT	NT	NT	NT
Hexachlorobutadiene	NL	80	13.00	NL	0.60	mg/kg	<0.0139	NT	<0.0141	<0.0147	NT	NT	NT	NT	NT	NT
Methyl ethyl ketone	NL	48,000	NL	NL	20	mg/kg	<0.0137	NT	0.0148 B J	<0.0145	NT	NT	NT	NT	NT	NT
Methyl isobutyl ketone	NL	6,400	NL	NL	2.7	mg/kg	<0.011	NT	<0.0111	<0.0116	NT	NT	NT	NT	NT	NT
Methylene bromide	NL	800	NL	NL	0.36	mg/kg	<0.0011	NT	<0.00111	<0.00116	NT	NT	NT	NT	NT	NT
Methylene chloride	0.02	480	94	NL	0.021	mg/kg	<0.00727	NT	<0.00737	<0.00768	NT	NT	NT	NT	NT	NT
MTBE	0.1	NL	560	NL	0.10	mg/kg	<0.000323	NT	<0.000327	<0.000341	NT	NT	NT	NT	NT	NT
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	0.00657 J	NT	0.00393 J	<0.00361	NT	NT	NT	NT	NT	NT
Propylbenzene, n-	NL	8,000	NL	NL	16	mg/kg	<0.00129	NT	<0.00131	<0.00136	NT	NT	NT	NT	NT	NT
Styrene	NL	16,000	NL	NL	2.2	mg/kg	<0.00299	NT	<0.00303	<0.00316	NT	NT	NT	NT	NT	NT
Tetrachloroethane, 1,1,1,2-	NL	2,400	38	NL	0.0098	mg/kg	<0.000548	NT	<0.000555	<0.000578	NT	NT	NT	NT	NT	NT
Tetrachloroethane, 1,1,2,2-	NL	1,600	5	NL	0.0012	mg/kg	<0.000427	NT	<0.000433	<0.000451	NT	NT	NT	NT	NT	NT
Tetrachloroethylene	0.05	480	480	NL	0.05	mg/kg	<0.000767	NT	<0.000777	<0.000809	NT	NT	NT	NT	NT	NT
Toluene	7	6,400	NL	NL	4.5	mg/kg	0.00410 J	NT	0.00562	0.00596	NT	NT	NT	NT	NT	NT
Trichloro-1,2,2-trifluoroethane, 1,1,2-	NL	2,400,000	NL	NL	7,600	mg/kg	<0.000739	NT	<0.000749	<0.000781	NT	NT	NT	NT	NT	NT
Trichlorobenzene, 1,2,3-	NL	64	NL	NL	0.2	mg/kg	<0.000684	NT	<0.000694	<0.000723	NT	NT	NT	NT	NT	NT
Trichlorobenzene, 1,2,4-	NL	800	34	NL	0.56	mg/kg	<0.00528	NT	<0.00535	<0.00557	NT	NT	NT	NT	NT	NT
Trichloroethane, 1,1,1-	2	160,000	NL	NL	1.5	mg/kg	<0.000301	NT	<0.000305	<0.000318	NT	NT	NT	NT	NT	NT
Trichloroethane, 1,1,2-	NL	320	18	NL	0.017	mg/kg	<0.000967	NT	<0.00098	<0.00102	NT	NT	NT	NT	NT	NT
Trichloroethylene	0.03	40	12.00	NL	0.025	mg/kg	<0.000438	NT	<0.000444	<0.000463	NT	NT	NT	NT	NT	NT
Trichlorofluoromethane	NL	24,000	NL	NL	23	mg/kg	<0.000548	NT	<0.000555	<0.000578	NT	NT	NT	NT	NT	NT
Trichloropropane, 1,2,3-	NL	320	0.0063	NL	0.0000024	mg/kg	<0.00559	NT	<0.00566	<0.0059	NT	NT	NT	NT	NT	NT
Trimethylbenzene, 1,2,3-	NL	800	NL	NL	1.3	mg/kg	<0.00126	NT	<0.00128	0.00221 J	NT	NT	NT	NT	NT	NT
Trimethylbenzene, 1,2,4-	NL	800	NL	NL	1.3	mg/kg	0.00287 B J	NT	0.00275 B J	0.00368 B J	NT	NT	NT	NT	NT	NT
Trimethylbenzene, 1,3,5-	NL	800	NL	NL	1.3	mg/kg	<0.00118	NT	<0.0012	0.00125 J	NT	NT	NT	NT	NT	NT
Vinyl chloride	NL	240	0.67	NL	0.0017	mg/kg	<0.000748	NT	<0.000758	<0.00079	NT	NT	NT	NT	NT	NT
Xylenes	9	16,000	9	NL	14	mg/kg	0.00723	NT	<0.00531	<0.00553	NT	NT	NT	NT	NT	NT

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method C Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB16				SB16A		SB16B		SB16C	
Laboratory Identification							L1161400-08	L1168403-11	L1161400-09 L1165576-09	L1161400-10	L1168403-12	L1168403-13	L1168403-14	L1168403-15	L1168403-16	L1168403-17
							11/13/2019	11/14/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019
							0 - 1 ft	1 - 2 ft	2 - 3 ft	10 - 12 ft	0 - 1 ft	1 - 2 ft	0 - 1 ft	1 - 2 ft	0 - 1 ft	1 - 2 ft
Sample Date																
Depth Range																
SVOCs (Method 8270)																
Acenaphthene	NL	4,800	NL	NL	98	mg/kg	NT	NT	<0.0143	NT	NT	NT	NT	NT	NT	NT
Acenaphthylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.0149	NT	NT	NT	NT	NT	NT	NT
Anthracene	NL	24,000	NL	NL	2,300	mg/kg	NT	NT	<0.014	NT	NT	NT	NT	NT	NT	NT
Benzo-a-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.0095	NT	NT	NT	NT	NT	NT	NT
Benzdine	NL	240	0.0043	NL	0.000011	mg/kg	NT	NT	<0.141	NT	NT	NT	NT	NT	NT	NT
Benzo-a-pyrene	0.1	24	0.19	30	3.9	mg/kg	NT	NT	<0.0122	NT	NT	NT	NT	NT	NT	NT
Benzo-b-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.0154	NT	NT	NT	NT	NT	NT	NT
Benzo-g,h,i-perylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.016	NT	NT	NT	NT	NT	NT	NT
Benzo-k-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.0129	NT	NT	NT	NT	NT	NT	NT
Bis (2-chloroethoxy) methane	NL	240	NL	NL	0.21	mg/kg	NT	NT	<0.0171	NT	NT	NT	NT	NT	NT	NT
Bis (2-chloroethyl) ether	NL	NL	0.91	NL	0.00022	mg/kg	NT	NT	<0.0199	NT	NT	NT	NT	NT	NT	NT
Bis (2-ethyl-hexyl) phthalate	NL	1,600	71	NL	13	mg/kg	NT	NT	<0.0266	NT	NT	NT	NT	NT	NT	NT
Bromophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.0253	NT	NT	NT	NT	NT	NT	NT
Butyl benzyl phthalate	NL	16,000	530	NL	13	mg/kg	NT	NT	<0.0229	NT	NT	NT	NT	NT	NT	NT
Chloro-3-methylphenol, 4-(chlorocresol))	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.0106	NT	NT	NT	NT	NT	NT	NT
Chloronaphthalene, 2-(beta-chloronaphthalene)	NL	6,400	NL	NL	34	mg/kg	NT	NT	<0.0142	NT	NT	NT	NT	NT	NT	NT
Chlorophenol, 2-	NL	400	NL	NL	0.47	mg/kg	NT	NT	<0.0184	NT	NT	NT	NT	NT	NT	NT
Chlorophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.0139	NT	NT	NT	NT	NT	NT	NT
Chrysene	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.0123	NT	NT	NT	NT	NT	NT	NT
Dibenz-a,h-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.0182	NT	NT	NT	NT	NT	NT	NT
Dichlorobenzidine, 3,3-	NL	NL	2.2	NL	NL	mg/kg	NT	NT	<0.176	NT	NT	NT	NT	NT	NT	NT
Dichlorophenol, 2,4-	NL	240	NL	NL	0.17	mg/kg	NT	NT	<0.0166	NT	NT	NT	NT	NT	NT	NT
Diethyl phthalate	NL	64,000	NL	NL	72	mg/kg	NT	NT	<0.0153	NT	NT	NT	NT	NT	NT	NT
Dimethyl phenol, 2,4-	NL	1,600	NL	NL	1.3	mg/kg	NT	NT	<0.105	NT	NT	NT	NT	NT	NT	NT
Dimethylphthalate	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.012	NT	NT	NT	NT	NT	NT	NT
Di-n-butyl phthalate	NL	NL	NL	200	NL	mg/kg	NT	NT	<0.0242	NT	NT	NT	NT	NT	NT	NT
Dinitro-2-methylphenol, 4,6-	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.275	NT	NT	NT	NT	NT	NT	NT
Dinitrophenol, 2,4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.218	NT	NT	NT	NT	NT	NT	NT
Dinitrotoluene, 2,4-	NL	160	3.2	NL	0.0017	mg/kg	NT	NT	<0.0135	NT	NT	NT	NT	NT	NT	NT
Dinitrotoluene, 2,6-	NL	24	0.67	NL	0.00031	mg/kg	NT	NT	<0.0164	NT	NT	NT	NT	NT	NT	NT
Di-n-octyl phthalate	NL	800	NL	NL	270,000	mg/kg	NT	NT	<0.0201	NT	NT	NT	NT	NT	NT	NT
Fluoranthene	NL	3,200	NL	NL	630	mg/kg	NT	NT	<0.011	NT	NT	NT	NT	NT	NT	NT
Fluorene	NL	3,200	NL	NL	100	mg/kg	NT	NT	<0.0151	NT	NT	NT	NT	NT	NT	NT
Hexachlorobenzene	NL	160	0.63	31	0.88	mg/kg	NT	NT	<0.019	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclopentadiene	NL	480	NL	NL	190	mg/kg	NT	NT	<0.13	NT	NT	NT	NT	NT	NT	NT
Hexachloroethane	NL	56	25	NL	0.043	mg/kg	NT	NT	<0.0297	NT	NT	NT	NT	NT	NT	NT
Indeno-1,2,3-cd-pyrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.0171	NT	NT	NT	NT	NT	NT	NT
Isophorone	NL	16,000	1100	NL	0.23	mg/kg	NT	NT	<0.0116	NT	NT	NT	NT	NT	NT	NT
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	NT	NT	<0.0197	NT	NT	NT	NT	NT	NT	NT
Nitrobenzene	NL	160	NL	NL	0.1	mg/kg	NT	NT	<0.0154	NT	NT	NT	NT	NT	NT	NT
Nitrophenol, 2-	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.0289	NT	NT	NT	NT	NT	NT	NT
Nitrophenol, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.117	NT	NT	NT	NT	NT	NT	NT
Nitrosodimethylamine, N-	NL	0.64	0.02	NL	0.0000038	mg/kg	NT	NT	<0.144	NT	NT	NT	NT	NT	NT	NT
Nitrosodi-n-propylamine, N-	NL	NL	0.14	NL	NL	mg/kg	NT	NT	<0.0201	NT	NT	NT	NT	NT	NT	NT
Nitrosodiphenylamine, N-	NL	NL	200	NL	NL	mg/kg	NT	NT	<0.2	NT	NT	NT	NT	NT	NT	NT
Pentachlorophenol	NL	400	2.5	11	NL	mg/kg	NT	NT	<0.107	NT	NT	NT	NT	NT	NT	NT
Phenanthrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.0117	NT	NT	NT	NT	NT	NT	NT
Phenol	NL	24,000	NL	NL	11	mg/kg	NT	NT	<0.0154	NT	NT	NT	NT	NT	NT	NT
Pyrene	NL	2,400	NL	NL	650	mg/kg	NT	NT	<0.0273	NT	NT	NT	NT	NT	NT	NT
Trichlorophenol, 2,4,6-	NL	80	91	NL	0.046	mg/kg	NT	NT	<0.0173	NT	NT	NT	NT	NT	NT	NT
PAHs (Method 8270)																
Acenaphthene	NL	4,800	NL	NL	98	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Acenaphthylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Anthracene	NL	24,000	NL	NL	2,300	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-a-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-a-pyrene	0.1	24	0.19	30	3.9	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-b-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-g,h,i-perylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-k-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chloronaphthalene, 2-(beta-chloronaphthalene)	NL	6,400	NL	NL	34	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chrysene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dibenz-a,h-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluoranthene	NL	3,200	NL	NL	630	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluorene	NL	3,200	NL	NL	100	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Indeno-1,2,3-cd-pyrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methylnaphthalene, 1-	NL	5600	34	NL	0.082	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methylnaphthalene, 2-	NL	320	NL	NL	1.7	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phenanthrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Pyrene	NL	2,400	NL	NL	650	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
PCBs (Method 8082)																
Aroclor 1016	NL	5.6	14.00	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1221	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1232	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1242	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1248	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1254	NL	1.6	0.50	NL	0.71	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1260	NL	NL	0.50	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

[illegible]

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB16D					SB17					
							L1168403-18	L1168403-19	L1165628-09	L1161400-19	L1161400-20	L1161400-11 L1166078-01	L1165628-10	L1165628-11	L1165628-12	L1161400-12	L1161400-13
							11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019
Depth Range							0 - 1 ft	1 - 2 ft	3 - 4 ft	6 - 8 ft	14 - 15 ft	0 - 1 ft	1 - 2 ft	2 - 3 ft	3 - 4 ft	6 - 8 ft	14 - 15 ft
VOAs																	
Acetone	NL	72000	NL	NL	29	mg/kg	NT	NT	<0.0166	<0.0164	NT	<0.0147	NT	NT	NT	0.0656	<0.0155
Acrylonitrile	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.00231	<0.00228	NT	<0.00203	NT	NT	NT	<0.00231	<0.00214
Benzene	0.03	320	18	NL	0.027	mg/kg	NT	NT	<0.000486	<0.000479	NT	<0.000428	NT	NT	NT	0.0021	<0.000452
Bromobenzene	NL	640	NL	NL	0.56	mg/kg	NT	NT	<0.00128	<0.00126	NT	<0.00112	NT	NT	NT	<0.00127	<0.00119
Bromodichloromethane	NL	1,600	16	NL	0.036	mg/kg	NT	NT	<0.000957	<0.000944	NT	<0.000844	NT	NT	NT	<0.000956	<0.00089
Bromoform	NL	1,600	130	NL	0.36	mg/kg	NT	NT	<0.00726	<0.00716	NT	<0.0064	NT	NT	NT	<0.00726	<0.00675
Bromomethane	NL	110	NL	NL	0.05	mg/kg	NT	NT	<0.00449	<0.00443	NT	<0.00396	NT	NT	NT	<0.00449	<0.00418
Butylbenzene, n-	NL	4,000	NL	NL	14	mg/kg	NT	NT	<0.00466	<0.0046	NT	<0.00411	NT	NT	NT	<0.00466	<0.00434
Butylbenzene, sec-	NL	8,000	NL	NL	25	mg/kg	NT	NT	<0.00307	<0.00303	NT	<0.00271	NT	NT	NT	<0.00307	<0.00286
Butylbenzene, tert-	NL	8,000	NL	NL	20	mg/kg	NT	NT	<0.00188	<0.00186	NT	<0.00166	NT	NT	NT	<0.00188	<0.00175
Carbon tetrachloride	NL	320	14	NL	0.042	mg/kg	NT	NT	<0.00131	<0.00129	NT	<0.00116	NT	NT	NT	<0.00131	<0.00122
Chlorobenzene	NL	1,600	NL	NL	0.86	mg/kg	NT	NT	<0.000696	<0.000686	NT	<0.000613	NT	NT	NT	<0.000695	<0.000647
Chloroethane (ethyl chloride)	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.00131	<0.00129	NT	<0.00116	NT	NT	NT	<0.00131	<0.00122
Chloroform	NL	800	32	NL	0.074	mg/kg	NT	NT	<0.000504	<0.000497	NT	<0.000444	NT	NT	NT	<0.000504	0.000668 J
Chloromethane	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.00169	<0.00166	NT	<0.00149	NT	NT	NT	<0.00169	<0.00157
Chlorotoluene, o-	NL	1600	NL	NL	1.9	mg/kg	NT	NT	<0.00112	<0.0011	NT	<0.000985	NT	NT	NT	<0.00112	<0.00104
Chlorotoluene, p-	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.00137	<0.00135	NT	<0.00121	NT	NT	NT	<0.00137	<0.00128
Cumene	NL	8,000	NL	NL	15	mg/kg	NT	NT	<0.00105	<0.00103	NT	<0.000924	NT	NT	NT	<0.00105	<0.000974
Cymene	NL	NL	NL	NL	NL	mg/kg	NT	NT	0.0203	0.00674	NT	<0.00249	NT	NT	NT	0.0199	<0.00263
Dibromo-3-chloropropane, 1,2-	NL	16	1.3	NL	0.0013	mg/kg	NT	NT	<0.00619	<0.00611	NT	<0.00546	NT	NT	NT	<0.00619	<0.00576
Dibromochloromethane	NL	1,600	12	NL	0.028	mg/kg	NT	NT	<0.000546	<0.000539	NT	<0.000482	NT	NT	NT	<0.000546	<0.000508
Dichlorobenzene, 1,2-	NL	7,200	NL	NL	7	mg/kg	NT	NT	<0.00176	<0.00174	NT	<0.00155	NT	NT	NT	<0.00176	<0.00164
Dichlorobenzene, 1,3-	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.00206	<0.00204	NT	<0.00182	NT	NT	NT	<0.00206	<0.00192
Dichlorobenzene, 1,4-	NL	5,600	190	NL	1.2	mg/kg	NT	NT	<0.00239	<0.00236	NT	<0.00211	NT	NT	NT	<0.00239	<0.00222
Dichlorodifluoromethane	NL	16,000	NL	NL	38	mg/kg	NT	NT	<0.000993	<0.00098	NT	<0.000876	NT	NT	NT	<0.000993	<0.000923
Dichloroethane, 1,1-	NL	16,000	180	NL	0.041	mg/kg	NT	NT	<0.000698	<0.000689	NT	<0.000616	NT	NT	NT	<0.000698	<0.000649
Dichloroethane, 1,2-	NL	480	11	NL	0.023	mg/kg	NT	NT	<0.000577	<0.000569	NT	<0.000508	NT	NT	NT	<0.000576	<0.000536
Dichloroethylene, 1,1-	NL	4,000	NL	NL	0.046	mg/kg	NT	NT	<0.000607	<0.000599	NT	<0.000535	NT	NT	NT	<0.000607	<0.000564
Dichloroethylene, cis-1,2-	NL	160	NL	NL	0.078	mg/kg	NT	NT	<0.000838	<0.000826	NT	<0.000739	NT	NT	NT	<0.000837	<0.000779
Dichloroethylene, trans-1,2	NL	1,600	NL	NL	0.52	mg/kg	NT	NT	<0.00174	<0.00171	NT	<0.00153	NT	NT	NT	<0.00174	<0.00161
Dichloropropane, 1,2-	NL	3,200	27	NL	0.025	mg/kg	NT	NT	<0.00154	<0.00152	NT	<0.00136	NT	NT	NT	<0.00154	<0.00143
Dichloropropane, 1,3-	NL	1,600	NL	NL	0.88	mg/kg	NT	NT	<0.00213	<0.0021	NT	<0.00187	NT	NT	NT	<0.00212	<0.00198
Dichloropropane, 2,2-	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.000963	<0.00095	NT	<0.000849	NT	NT	NT	<0.000962	<0.000895
Dichloropropene, 1,1-	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.00085	<0.000838	NT	<0.000749	NT	NT	NT	<0.000849	<0.00079
Dichloropropene, cis 1,3-	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.000823	<0.000812	NT	<0.000726	NT	NT	NT	<0.000823	<0.000765
Dichloropropene, trans 1,3-	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.00186	<0.00183	NT	<0.00164	NT	NT	NT	<0.00186	<0.00173
Diisopropyl ether	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.000425	<0.000419	NT	<0.000375	NT	NT	NT	<0.000425	<0.000395
Ethyl benzene	6	8,000	NL	NL	5.9	mg/kg	NT	NT	<0.000644	<0.000635	NT	0.000788 J	NT	NT	NT	0.001650 J	<0.000598
Ethylene dibromide	0.005	720	0.5	NL	0.00027	mg/kg	NT	NT	<0.000638	<0.000629	NT	<0.000562	NT	NT	NT	<0.000637	<0.000593
Hexachlorobutadiene	NL	80	13.00	NL	0.60	mg/kg	NT	NT	<0.0154	<0.0152	NT	<0.0136	NT	NT	NT	<0.0154	<0.0143
Methyl ethyl ketone	NL	48,000	NL	NL	20	mg/kg	NT	NT	<0.0152	<0.015	NT	<0.0134	NT	NT	NT	0.0376 B	<0.0141
Methyl isobutyl ketone	NL	6,400	NL	NL	2.7	mg/kg	NT	NT	<0.0121	<0.012	NT	<0.0107	NT	NT	NT	<0.0121	<0.0113
Methylene bromide	NL	800	NL	NL	0.36	mg/kg	NT	NT	<0.00121	<0.0012	NT	<0.00107	NT	NT	NT	<0.00121	<0.00113
Methylene chloride	0.02	480	94	NL	0.021	mg/kg	NT	NT	<0.00806	<0.00795	NT	<0.00711	NT	NT	NT	<0.00806	<0.0075
MTBE	0.1	NL	560	NL	0.10	mg/kg	NT	NT	<0.000358	<0.000353	NT	<0.000316	NT	NT	NT	<0.000358	<0.000333
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	NT	NT	0.00379 J	<0.00374	NT	<0.00334	NT	NT	NT	0.00706 J	<0.00352
Propylbenzene, n-	NL	8,000	NL	NL	16	mg/kg	NT	NT	<0.00143	<0.00141	NT	<0.00126	NT	NT	NT	<0.00143	<0.00133
Styrene	NL	16,000	NL	NL	2.2	mg/kg	NT	NT	<0.00332	<0.00327	NT	<0.00292	NT	NT	NT	<0.00331	<0.00308
Tetrachloroethane, 1,1,1,2-	NL	2,400	38	NL	0.0098	mg/kg	NT	NT	<0.000607	<0.000599	NT	<0.000535	NT	NT	NT	<0.000607	<0.000564
Tetrachloroethane, 1,1,2,2-	NL	1,600	5	NL	0.0012	mg/kg	NT	NT	<0.000474	<0.000467	NT	<0.000417	NT	NT	NT	<0.000473	<0.00044
Tetrachloroethylene	0.05	480	480	NL	0.05	mg/kg	NT	NT	<0.00085	<0.000838	NT	<0.000749	NT	NT	NT	<0.000849	<0.00079
Toluene	7	6,400	NL	NL	4.5	mg/kg	NT	NT	0.00618	0.0039 J	NT	0.00416 J	NT	NT	NT	0.0125	0.00369 J
Trichloro-1,2,2-trifluoroethane, 1,1,2-	NL	2,400,000	NL	NL	7,600	mg/kg	NT	NT	<0.00082	<0.000808	NT	<0.000723	NT	NT	NT	<0.000819	<0.000762
Trichlorobenzene, 1,2,3-	NL	64	NL	NL	0.2	mg/kg	NT	NT	<0.000759	<0.000749	NT	<0.000669	NT	NT	NT	<0.000758	<0.000706
Trichlorobenzene, 1,2,4-	NL	800	34	NL	0.56	mg/kg	NT	NT	<0.00585	<0.00577	NT	<0.00516	NT	NT	NT	<0.00585	<0.00544
Trichloroethane, 1,1,1-	2	160,000	NL	NL	1.5	mg/kg	NT	NT	<0.000334	<0.000329	NT	<0.000294	NT	NT	NT	<0.000334	<0.00031
Trichloroethane, 1,1,2-	NL	320	18	NL	0.017	mg/kg	NT	NT	<0.00107	<0.00106	NT	<0.000945	NT	NT	NT	<0.00107	<0.000997
Trichloroethylene	0.03	40	12.00	NL	0.025	mg/kg	NT	NT	<0.000486	<0.000479	NT	<0.000428	NT	NT	NT	<0.000485	<0.000452
Trichlorofluoromethane	NL	24,000	NL	NL	23	mg/kg	NT	NT	<0.000607	<0.000599	NT	<0.000535	NT	NT	NT	<0.000607	<0.000564
Trichloropropane, 1,2,3-	NL	320	0.0063	NL	0.0000024	mg/kg	NT	NT	<0.00619	<0.00611	NT	<0.00546	NT	NT	NT	<0.00619	<0.00576
Trimethylbenzene, 1,2,3-	NL	800	NL	NL	1.3	mg/kg	NT	NT	<0.0014	<0.00138	NT	<0.00123	NT	NT	NT	0.0037 J	<0.0013
Trimethylbenzene, 1,2,4-	NL	800	NL	NL	1.3	mg/kg	NT	NT	0.00206 B J	0.00181 B J	NT	0.00197 B J	NT	NT	NT	0.00309 B J	0.00173 B J
Trimethylbenzene, 1,3,5-	NL	800	NL	NL	1.3	mg/kg	NT	NT	<0.00131	<0.00129	NT	<0.00116	NT	NT	NT	0.00157 J	<0.00122
Vinyl chloride	NL	240	0.67	NL	0.0017	mg/kg	NT	NT	<0.000829	<0.000818	NT	<0.000731	NT	NT	NT	<0.000829	<0.000771
Xylenes	9	16,000	9	NL	14	mg/kg	NT	NT	<0.0058	<0.00572	NT	<0.00512	NT	NT	NT	<0.0058	<0.0054

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB16D					SB17					
Laboratory Identification							L1168403-18	L1168403-19	L1165628-09	L1161400-19	L1161400-20	L1161400-11 L1166078-01	L1165628-10	L1165628-11	L1165628-12	L1161400-12	L1161400-13
							Sample Date	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019
Depth Range							0 - 1 ft	1 - 2 ft	3 - 4 ft	6 - 8 ft	14 - 15 ft	0 - 1 ft	1 - 2 ft	2 - 3 ft	3 - 4 ft	6 - 8 ft	14 - 15 ft
SVOCs (Method 8270)																	
Acenaphthene	NL	4,800	NL	NL	98	mg/kg	NT	<0.00744	NT	NT	NT	<0.137	<0.0141	<0.0072	<0.0694	NT	NT
Acenaphthylene	NL	NL	NL	NL	NL	mg/kg	NT	<0.00778	NT	NT	NT	<0.144	<0.0147	<0.00753	<0.0726	NT	NT
Anthracene	NL	24,000	NL	NL	2,300	mg/kg	NT	<0.00733	NT	NT	NT	<0.135	<0.0139	<0.00709	<0.0684	NT	NT
Benz-a-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	0.00567 J	NT	NT	NT	<0.0916	<0.0094	<0.0048	<0.0463	NT	NT
Benzidine	NL	240	0.0043	NL	0.000011	mg/kg	NT	<0.0738	NT	NT	NT	<1.36	<0.14	<0.0715	<0.689	NT	NT
Benzo-a-pyrene	0.1	24	0.19	30	3.9	mg/kg	NT	<0.00635	NT	NT	NT	<0.117	<0.012	<0.00615	<0.0593	NT	NT
Benzo-b-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	<0.00806	NT	NT	NT	<0.149	<0.0153	<0.0078	<0.0752	NT	NT
Benzo-g,h,i-perylene	NL	NL	NL	NL	NL	mg/kg	NT	<0.00836	NT	NT	NT	<0.154	<0.0158	<0.00809	<0.078	NT	NT
Benzo-k-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	<0.00675	NT	NT	NT	<0.125	<0.0128	<0.00653	<0.063	NT	NT
Bis (2-chloroethoxy) methane	NL	240	NL	NL	0.21	mg/kg	NT	<0.00892	NT	NT	NT	<0.165	<0.0169	<0.00864	<0.0833	NT	NT
Bis (2-chloroethyl) ether	NL	NL	0.91	NL	0.00022	mg/kg	NT	<0.0104	NT	NT	NT	<0.192	<0.0197	<0.0101	<0.0969	NT	NT
Bis (2-ethyl-hexyl) phthalate	NL	1,600	71	NL	13	mg/kg	NT	0.0192 J	NT	NT	NT	<0.257	<0.0264	<0.0135	<0.13	NT	NT
Bromophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	NT	<0.0132	NT	NT	NT	<0.244	<0.025	<0.0128	<0.123	NT	NT
Butyl benzyl phthalate	NL	16,000	530	NL	13	mg/kg	NT	<0.0119	NT	NT	NT	<0.221	<0.0226	<0.0116	<0.111	NT	NT
Chloro-3-methylphenol, 4- (chlorocresol))	NL	NL	NL	NL	NL	mg/kg	NT	<0.00553	NT	NT	NT	<0.102	<0.0105	<0.00535	<0.0516	NT	NT
Chloronaphthalene, 2- (beta-chloronaphthalene)	NL	6,400	NL	NL	34	mg/kg	NT	<0.00741	NT	NT	NT	<0.137	<0.014	<0.00717	<0.0691	NT	NT
Chlorophenol, 2-	NL	400	NL	NL	0.47	mg/kg	NT	<0.00963	NT	NT	NT	<0.178	<0.0183	<0.00932	<0.0899	NT	NT
Chlorophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	NT	<0.00727	NT	NT	NT	<0.134	<0.0138	<0.00703	<0.0678	NT	NT
Chrysene	NL	NL	NL	NL	NL	mg/kg	NT	0.0109 J	NT	NT	NT	<0.119	<0.0122	<0.00623	<0.06	NT	NT
Dibenz-a,h-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	<0.00952	NT	NT	NT	<0.176	<0.018	<0.00921	<0.0888	NT	NT
Dichlorobenzidine, 3,3-	NL	NL	2.2	NL	NL	mg/kg	NT	<0.092	NT	NT	NT	<1.7	<0.174	<0.0891	<0.859	NT	NT
Dichlorophenol, 2,4-	NL	240	NL	NL	0.17	mg/kg	NT	<0.00865	NT	NT	NT	<0.16	<0.0164	<0.00837	<0.0807	NT	NT
Diethyl phthalate	NL	64,000	NL	NL	72	mg/kg	NT	<0.00801	NT	NT	NT	<0.148	<0.0152	<0.00775	<0.0747	NT	NT
Dimethyl phenol, 2,4-	NL	1,600	NL	NL	1.3	mg/kg	NT	<0.0546	NT	NT	NT	<1.01	<0.103	<0.0528	<0.509	NT	NT
Dimethylphthalate	NL	NL	NL	NL	NL	mg/kg	NT	<0.00626	NT	NT	NT	<0.116	<0.0119	<0.00606	<0.0584	NT	NT
Di-n-butyl phthalate	NL	NL	NL	200	NL	mg/kg	NT	<0.0126	NT	NT	NT	<0.233	<0.024	<0.0122	<0.118	NT	NT
Dinitro-2-methylphenol, 4,6-	NL	NL	NL	NL	NL	mg/kg	NT	<0.144	NT	NT	NT	<2.65	<0.272	<0.139	<1.34	NT	NT
Dinitrophenol, 2,4-	NL	NL	NL	NL	NL	mg/kg	NT	<0.114	NT	NT	NT	<2.1	<0.215	<0.11	<1.06	NT	NT
Dinitrotoluene, 2,4-	NL	160	3.2	NL	0.0017	mg/kg	NT	<0.00704	NT	NT	NT	<0.13	<0.0133	<0.00681	<0.0657	NT	NT
Dinitrotoluene, 2,6-	NL	24	0.67	NL	0.00031	mg/kg	NT	<0.00854	NT	NT	NT	<0.158	<0.0162	<0.00827	<0.0797	NT	NT
Di-n-octyl phthalate	NL	800	NL	NL	270,000	mg/kg	NT	<0.0105	NT	NT	NT	<0.194	<0.0199	<0.0102	<0.0981	NT	NT
Fluoranthene	NL	3,200	NL	NL	630	mg/kg	NT	0.00984 J	NT	NT	NT	<0.106	<0.0109	<0.00556	<0.0536	NT	NT
Fluorene	NL	3,200	NL	NL	100	mg/kg	NT	<0.0079	NT	NT	NT	<0.146	<0.015	0.0163 J	<0.0738	NT	NT
Hexachlorobenzene	NL	160	0.63	31	0.88	mg/kg	NT	<0.00992	NT	NT	NT	<0.183	<0.0188	<0.0096	<0.0926	NT	NT
Hexachlorocyclopentadiene	NL	480	NL	NL	190	mg/kg	NT	<0.068	NT	NT	NT	<1.26	<0.129	<0.0658	<0.635	NT	NT
Hexachloroethane	NL	56	25	NL	0.043	mg/kg	NT	<0.0155	NT	NT	NT	<0.287	<0.0294	<0.015	<0.145	NT	NT
Indeno-1,2,3-cd-pyrene	NL	NL	NL	NL	NL	mg/kg	NT	<0.00895	NT	NT	NT	<0.165	<0.017	<0.00866	<0.0835	NT	NT
Isophorone	NL	16,000	1100	NL	0.23	mg/kg	NT	<0.00605	NT	NT	NT	<0.112	<0.0115	<0.00586	<0.0565	NT	NT
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	NT	0.0178 J	NT	NT	NT	<0.19	<0.0195	<0.00997	<0.0962	NT	NT
Nitrobenzene	NL	160	NL	NL	0.1	mg/kg	NT	<0.00806	NT	NT	NT	<0.149	<0.0153	<0.0078	<0.0752	NT	NT
Nitrophenol, 2-	NL	NL	NL	NL	NL	mg/kg	NT	<0.0151	NT	NT	NT	<0.278	<0.0286	<0.0146	<0.141	NT	NT
Nitrophenol, 4-	NL	NL	NL	NL	NL	mg/kg	NT	<0.0609	NT	NT	NT	<1.12	<0.115	<0.0589	<0.568	NT	NT
Nitrosodimethylamine, N-	NL	0.64	0.02	NL	0.0000038	mg/kg	NT	<0.075	NT	NT	NT	<1.39	<0.142	<0.0726	<0.7	NT	NT
Nitrosodi-n-propylamine, N-	NL	NL	0.14	NL	NL	mg/kg	NT	<0.0105	NT	NT	NT	<0.194	<0.0199	<0.0102	<0.098	NT	NT
Nitrosodiphenylamine, N-	NL	NL	200	NL	NL	mg/kg	NT	<0.104	NT	NT	NT	<1.93	<0.198	<0.101	<0.973	NT	NT
Pentachlorophenol	NL	400	2.5	11	NL	mg/kg	NT	<0.0556	NT	NT	NT	<1.03	<0.105	<0.0538	<0.519	NT	NT
Phenanthrene	NL	NL	NL	NL	NL	mg/kg	NT	0.0144 J	NT	NT	NT	<0.113	<0.0116	0.0324 J	<0.0571	NT	NT
Phenol	NL	24,000	NL	NL	11	mg/kg	NT	0.017 J	NT	NT	NT	<0.149	<0.0153	<0.0078	<0.0752	NT	NT
Pyrene	NL	2,400	NL	NL	650	mg/kg	NT	<0.0143	NT	NT	NT	<0.263	<0.027	<0.0138	<0.133	NT	NT
Trichlorophenol, 2,4,6-	NL	80	91	NL	0.046	mg/kg	NT	<0.00903	NT	NT	NT	<0.167	<0.0171	<0.00874	<0.0843	NT	NT
PAHs (Method 8270)																	
Acenaphthene	NL	4,800	NL	NL	98	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Acenaphthylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Anthracene	NL	24,000	NL	NL	2,300	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benz-a-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-a-pyrene	0.1	24	0.19	30	3.9												

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB17A				SB17B			
							L1168403-20	L1168403-21	L1161400-14	L1161400-15	L1168403-28	L1165628-13	L1165628-14	L1165628-15
							11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019
Depth Range							0 - 1 ft	1 - 2 ft	7 - 8 ft	12 - 13 ft	0 - 1 ft	1 - 2 ft	2 - 3 ft	3 - 4 ft
Hydrocarbon														
Gasoline range organics(Benzene Present)	30	NL	NL	200	NL	mg/kg	NT	NT	13.40 B	-	NT	NT	NT	NT
Gasoline range organics (Benzene NonDetect)	100	NL	NL	200	NL	mg/kg	NT	NT	-	4.25	NT	NT	NT	NT
Diesel range organics	2000	NL	NL	460	NL	mg/kg	164 J T8	58.8 T8	40.0 J	6.4	59.7 J T8	12.8 J	9.21	12.6
Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	1080 T8	396 T8	130	21.4	405 T8	149	51.5	31.3
Total Diesel/Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	1244	454.8	170	27.8	464.7	161.8	60.71	43.9
Metals														
Arsenic	20	24	0.67	20	2.9	mg/kg	NT	NT	10.2	4.39	NT	NT	NT	NT
Barium	NL	16000	NL	1250	1600	mg/kg	NT	NT	133	93.9	NT	NT	NT	NT
Cadmium	2	80	NL	25	0.69	mg/kg	NT	NT	0.3410 J	0.1540 J	NT	NT	NT	NT
Lead	250	NL	NL	220	3000	mg/kg	NT	NT	29.4	5.95	NT	NT	NT	NT
Mercury	2	NL	NL	9	2.1	mg/kg	NT	NT	0.0489	0.03330 J	NT	NT	NT	NT
Selenium	NL	400	NL	0.8	5.2	mg/kg	NT	NT	<0.761	<0.688	NT	NT	NT	NT
Silver	NL	400	NL	NL	14	mg/kg	NT	NT	<0.147	<0.133	NT	NT	NT	NT
Total Chromium	NL	NL	NL	42	NL	mg/kg	NT	NT	32.4	50.4	NT	NT	NT	NT
Chromium,Hexavalent	19	240	NL	NL	18.00	mg/kg	NT	NT	NT	<0.71	NT	NT	NT	NT
Chromium,Trivalent	2000	120000	NL	NL	480000	mg/kg	NT	NT	NT	50.4	NT	NT	NT	NT
Other														
% Moisture	NL	NL	NL	NL	NL	%	90.8	91.4	81.5	90.1	92.9	91.3	92.4	92.2
pH	NL	NL	NL	NL	NL	s.u.	NT	NT	NT	NT	NT	NT	NT	NT
Herbicides (Method 8151)														
4-(chloro-2-methylphenoxy) acetic acid	NL	40	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Dalapon, sodium salt	NL	2400	NL	NL	0.81	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Dicamba	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorophenoxy, 2,4- butyric acid, 4-(db,2,4-)	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorophenoxyacetic acid, 2,4-	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Dichloroprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Dinoseb	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
TP Silvex, 2,4,5-	NL	640	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Trichlorophenoxyacetic acid, 2,4,5-	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Organophosphate Pesticides (Method 8141)														
Azinphos-methyl	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Chlorpyrifos	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Coumaphos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Demeton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Diazinon	NL	56	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorvos	NL	40.00	3.40	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Dimethoate	NL	180	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Disulfoton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
EPN (ethyl p-nitrophenyl phenylphosphorothioate)	NL	0.8	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Ethoprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Fensulfothion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Fenthion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
lindane	0.01	24.00	0.91	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Malathion	NL	1600	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
MCPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Merphos	NL	2.4	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Methyl parathion	NL	20	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Naled	NL	160	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Parathion	NL	480	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Phorate	NL	16	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Phosdrin (mevinphos)	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Prothiofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Ronnel	NL	4000	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Sulprofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
TEPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Tetrachlorvinphos	NL	2400	42	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Trichloronate	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
OrganoChlorine Pesticides (Method 8081)														
Aldrin	NL	2.4	0.059	0.17	0.0025	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Chlordane	NL	NL	NL	1	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
DDD	NL	2.4	4.20	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
DDE	NL	24	2.90	NL	0.45	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
DDT	3	40.00	2.90	NL	3.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Dieldrin	NL	4	0.063	0.17	0.0028	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Endosulfan I	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Endosulfan II	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Endosulfan sulfate	NL	480	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Endrin	NL	24	NL	0.4	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Endrin aldehyde	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Endrin ketone	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Heptachlor	NL	40	0.22	NL	0.038	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Heptachlor epoxide	NL	1	0.11	NL	0.08	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclohexane, alpha	NL	640	0.16	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclohexane, beta	NL	NL	0.56	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclohexane, delta	NL	NL	0.56	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Methoxychlor	NL	400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Tetraethyl dithiopyrophosphate	NL	40	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Toxaphene	NL	7.2	0.91	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB17A				SB17B			
							L1168403-20	L1168403-21	L1161400-14	L1161400-15	L1168403-28	L1165628-13	L1165628-14	L1165628-15
							11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019
Depth Range							0 - 1 ft	1 - 2 ft	7 - 8 ft	12 - 13 ft	0 - 1 ft	1 - 2 ft	2 - 3 ft	3 - 4 ft
VOAs														
Acetone	NL	72000	NL	NL	29	mg/kg	NT	NT	0.0345	<0.0152	NT	NT	NT	NT
Acrylonitrile	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.00233	<0.00211	NT	NT	NT	NT
Benzene	0.03	320	18	NL	0.027	mg/kg	NT	NT	0.001070 J	<0.000444	NT	NT	NT	NT
Bromobenzene	NL	640	NL	NL	0.56	mg/kg	NT	NT	<0.00129	<0.00117	NT	NT	NT	NT
Bromodichloromethane	NL	1,600	16	NL	0.036	mg/kg	NT	NT	<0.000967	<0.000874	NT	NT	NT	NT
Bromoform	NL	1,600	130	NL	0.36	mg/kg	NT	NT	<0.00734	<0.00664	NT	NT	NT	NT
Bromomethane	NL	110	NL	NL	0.05	mg/kg	NT	NT	<0.00454	<0.00411	NT	NT	NT	NT
Butylbenzene, n-	NL	4,000	NL	NL	14	mg/kg	NT	NT	0.00587 J	<0.00426	NT	NT	NT	NT
Butylbenzene, sec-	NL	8,000	NL	NL	25	mg/kg	NT	NT	0.00617 J	<0.00281	NT	NT	NT	NT
Butylbenzene, tert-	NL	8,000	NL	NL	20	mg/kg	NT	NT	<0.0019	<0.00172	NT	NT	NT	NT
Carbon tetrachloride	NL	320	14	NL	0.042	mg/kg	NT	NT	<0.00133	<0.0012	NT	NT	NT	NT
Chlorobenzene	NL	1,600	NL	NL	0.86	mg/kg	NT	NT	<0.000703	<0.000636	NT	NT	NT	NT
Chloroethane (ethyl chloride)	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.00133	<0.0012	NT	NT	NT	NT
Chloroform	NL	800	32	NL	0.074	mg/kg	NT	NT	<0.000509	<0.00046	NT	NT	NT	NT
Chloromethane	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.00171	<0.00154	NT	NT	NT	NT
Chlorotoluene, o-	NL	1600	NL	NL	1.9	mg/kg	NT	NT	<0.00113	<0.00102	NT	NT	NT	NT
Chlorotoluene, p-	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.00139	<0.00125	NT	NT	NT	NT
Cumene	NL	8,000	NL	NL	15	mg/kg	NT	NT	0.00345	<0.000958	NT	NT	NT	NT
Cymene	NL	NL	NL	NL	NL	mg/kg	NT	NT	0.0147	0.00313 J	NT	NT	NT	NT
Dibromo-3-chloropropane, 1,2-	NL	16	1.3	NL	0.0013	mg/kg	NT	NT	<0.00626	<0.00566	NT	NT	NT	NT
Dibromochloromethane	NL	1,600	12	NL	0.028	mg/kg	NT	NT	<0.000552	<0.000499	NT	NT	NT	NT
Dichlorobenzene, 1,2-	NL	7,200	NL	NL	7	mg/kg	NT	NT	<0.00178	<0.00161	NT	NT	NT	NT
Dichlorobenzene, 1,3-	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.00209	<0.00189	NT	NT	NT	NT
Dichlorobenzene, 1,4-	NL	5,600	190	NL	1.2	mg/kg	NT	NT	<0.00242	<0.00219	NT	NT	NT	NT
Dichlorodifluoromethane	NL	16,000	NL	NL	38	mg/kg	NT	NT	<0.001	<0.000908	NT	NT	NT	NT
Dichloroethane, 1,1-	NL	16,000	180	NL	0.041	mg/kg	NT	NT	<0.000706	<0.000638	NT	NT	NT	NT
Dichloroethane, 1,2-	NL	480	11	NL	0.023	mg/kg	NT	NT	<0.000583	<0.000527	NT	NT	NT	NT
Dichloroethylene, 1,1-	NL	4,000	NL	NL	0.046	mg/kg	NT	NT	<0.000614	<0.000555	NT	NT	NT	NT
Dichloroethylene, cis-1,2-	NL	160	NL	NL	0.078	mg/kg	NT	NT	<0.000847	<0.000766	NT	NT	NT	NT
Dichloroethylene, trans-1,2	NL	1,600	NL	NL	0.52	mg/kg	NT	NT	<0.00176	<0.00159	NT	NT	NT	NT
Dichloropropane, 1,2-	NL	3,200	27	NL	0.025	mg/kg	NT	NT	<0.00156	<0.00141	NT	NT	NT	NT
Dichloropropane, 1,3-	NL	1,600	NL	NL	0.88	mg/kg	NT	NT	<0.00215	<0.00194	NT	NT	NT	NT
Dichloropropane, 2,2-	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.000973	<0.00088	NT	NT	NT	NT
Dichloropropene, 1,1-	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.000859	<0.000777	NT	NT	NT	NT
Dichloropropene, cis 1,3-	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.000832	<0.000752	NT	NT	NT	NT
Dichloropropene, trans 1,3-	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.00188	<0.0017	NT	NT	NT	NT
Diisopropyl ether	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.00043	<0.000388	NT	NT	NT	NT
Ethyl benzene	6	8,000	NL	NL	5.9	mg/kg	NT	NT	0.001840 J	<0.000588	NT	NT	NT	NT
Ethylene dibromide	0.005	720	0.5	NL	0.00027	mg/kg	NT	NT	<0.000644	<0.000583	NT	NT	NT	NT
Hexachlorobutadiene	NL	80	13.00	NL	0.60	mg/kg	NT	NT	<0.0156	<0.0141	NT	NT	NT	NT
Methyl ethyl ketone	NL	48,000	NL	NL	20	mg/kg	NT	NT	0.0481 B	0.0284 B	NT	NT	NT	NT
Methyl isobutyl ketone	NL	6,400	NL	NL	2.7	mg/kg	NT	NT	<0.0123	<0.0111	NT	NT	NT	NT
Methylene bromide	NL	800	NL	NL	0.36	mg/kg	NT	NT	<0.00123	<0.00111	NT	NT	NT	NT
Methylene chloride	0.02	480	94	NL	0.021	mg/kg	NT	NT	<0.00815	<0.00737	NT	NT	NT	NT
MTBE	0.1	NL	560	NL	0.10	mg/kg	NT	NT	<0.000362	<0.000327	NT	NT	NT	NT
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	NT	NT	0.019	0.00627 J	NT	NT	NT	NT
Propylbenzene, n-	NL	8,000	NL	NL	16	mg/kg	NT	NT	0.00393 J	<0.00131	NT	NT	NT	NT
Styrene	NL	16,000	NL	NL	2.2	mg/kg	NT	NT	<0.00335	<0.00303	NT	NT	NT	NT
Tetrachloroethane, 1,1,1,2-	NL	2,400	38	NL	0.0098	mg/kg	NT	NT	<0.000614	<0.000555	NT	NT	NT	NT
Tetrachloroethane, 1,1,2,2-	NL	1,600	5	NL	0.0012	mg/kg	NT	NT	<0.000479	<0.000433	NT	NT	NT	NT
Tetrachloroethylene	0.05	480	480	NL	0.05	mg/kg	NT	NT	<0.000859	<0.000777	NT	NT	NT	NT
Toluene	7	6,400	NL	NL	4.5	mg/kg	NT	NT	0.0105	0.00273 J	NT	NT	NT	NT
Trichloro-1,2,2-trifluoroethane, 1,1,2-	NL	2,400,000	NL	NL	7,600	mg/kg	NT	NT	<0.000829	<0.000749	NT	NT	NT	NT
Trichlorobenzene, 1,2,3-	NL	64	NL	NL	0.2	mg/kg	NT	NT	<0.000767	<0.000693	NT	NT	NT	NT
Trichlorobenzene, 1,2,4-	NL	800	34	NL	0.56	mg/kg	NT	NT	<0.00592	<0.00535	NT	NT	NT	NT
Trichloroethane, 1,1,1-	2	160,000	NL	NL	1.5	mg/kg	NT	NT	<0.000338	<0.000305	NT	NT	NT	NT
Trichloroethane, 1,1,2-	NL	320	18	NL	0.017	mg/kg	NT	NT	<0.00108	<0.00098	NT	NT	NT	NT
Trichloroethylene	0.03	40	12.00	NL	0.025	mg/kg	NT	NT	<0.000491	<0.000444	NT	NT	NT	NT
Trichlorofluoromethane	NL	24,000	NL	NL	23	mg/kg	NT	NT	<0.000614	<0.000555	NT	NT	NT	NT
Trichloropropane, 1,2,3-	NL	320	0.0063	NL	0.0000024	mg/kg	NT	NT	<0.00626	<0.00566	NT	NT	NT	NT
Trimethylbenzene, 1,2,3-	NL	800	NL	NL	1.3	mg/kg	NT	NT	0.0517	0.00662	NT	NT	NT	NT
Trimethylbenzene, 1,2,4-	NL	800	NL	NL	1.3	mg/kg	NT	NT	0.0327	0.00509 B J	NT	NT	NT	NT
Trimethylbenzene, 1,3,5-	NL	800	NL	NL	1.3	mg/kg	NT	NT	0.00561 J	0.0016 J	NT	NT	NT	NT
Vinyl chloride	NL	240	0.67	NL	0.0017	mg/kg	NT	NT	<0.000838	<0.000758	NT	NT	NT	NT
Xylenes	9	16,000	9	NL	14	mg/kg	NT	NT	0.00835	<0.0053	NT	NT	NT	NT

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB17A				SB17B			
							L1168403-20	L1168403-21	L1161400-14	L1161400-15	L1168403-28	L1165628-13	L1165628-14	L1165628-15
							11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019
Depth Range							0 - 1 ft	1 - 2 ft	7 - 8 ft	12 - 13 ft	0 - 1 ft	1 - 2 ft	2 - 3 ft	3 - 4 ft
SVOCs (Method 8270)														
Acenaphthene	NL	4,800	NL	NL	98	mg/kg	NT	NT	NT	NT	NT	<0.00703	<0.0139	<0.0348
Acenaphthylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	<0.00735	<0.0145	<0.0364
Anthracene	NL	24,000	NL	NL	2,300	mg/kg	NT	NT	NT	NT	NT	<0.00692	<0.0137	<0.0343
Benz-a-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	<0.00469	<0.00926	<0.0232
Benzidine	NL	240	0.0043	NL	0.000011	mg/kg	NT	NT	NT	NT	NT	<0.0698	<0.138	<0.345
Benzo-a-pyrene	0.1	24	0.19	30	3.9	mg/kg	NT	NT	NT	NT	NT	<0.006	<0.0119	<0.0297
Benzo-b-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	<0.00761	<0.015	<0.0377
Benzo-g,h,i-perylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	<0.0079	<0.0156	<0.0391
Benzo-k-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	<0.00638	<0.0126	<0.0315
Bis (2-chloroethoxy) methane	NL	240	NL	NL	0.21	mg/kg	NT	NT	NT	NT	NT	<0.00844	<0.0167	<0.0417
Bis (2-chloroethyl) ether	NL	NL	0.91	NL	0.00022	mg/kg	NT	NT	NT	NT	NT	<0.00982	<0.0194	<0.0486
Bis (2-ethyl-hexyl) phthalate	NL	1,600	71	NL	13	mg/kg	NT	NT	NT	NT	NT	<0.0131	<0.026	<0.065
Bromophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	<0.0125	<0.0247	<0.0618
Butyl benzyl phthalate	NL	16,000	530	NL	13	mg/kg	NT	NT	NT	NT	NT	<0.0113	<0.0223	<0.0558
Chloro-3-methylphenol, 4-(chlorocresol)	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	<0.00523	<0.0103	<0.0259
Chloronaphthalene, 2-(beta-chloronaphthalene)	NL	6,400	NL	NL	34	mg/kg	NT	NT	NT	NT	NT	<0.007	<0.0138	<0.0346
Chlorophenol, 2-	NL	400	NL	NL	0.47	mg/kg	NT	NT	NT	NT	NT	<0.0091	<0.018	<0.045
Chlorophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	<0.00687	<0.0136	<0.034
Chrysene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	<0.00608	<0.012	<0.0301
Dibenz-a,h-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	<0.00899	<0.0178	<0.0445
Dichlorobenzidine, 3,3-	NL	NL	2.2	NL	NL	mg/kg	NT	NT	NT	NT	NT	<0.087	<0.172	<0.43
Dichlorophenol, 2,4-	NL	240	NL	NL	0.17	mg/kg	NT	NT	NT	NT	NT	<0.00817	<0.0161	<0.0404
Diethyl phthalate	NL	64,000	NL	NL	72	mg/kg	NT	NT	NT	NT	NT	<0.00757	<0.015	<0.0375
Dimethyl phenol, 2,4-	NL	1,600	NL	NL	1.3	mg/kg	NT	NT	NT	NT	NT	<0.0516	<0.102	<0.255
Dimethylphthalate	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	<0.00592	<0.0117	<0.0293
Di-n-butyl phthalate	NL	NL	NL	200	NL	mg/kg	NT	NT	NT	NT	NT	<0.0119	<0.0236	<0.0591
Dinitro-2-methylphenol, 4,6-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	<0.136	<0.268	<0.672
Dinitrophenol, 2,4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	<0.107	<0.212	<0.531
Dinitrotoluene, 2,4-	NL	160	3.2	NL	0.0017	mg/kg	NT	NT	NT	NT	NT	<0.00665	<0.0131	<0.0329
Dinitrotoluene, 2,6-	NL	24	0.67	NL	0.00031	mg/kg	NT	NT	NT	NT	NT	<0.00807	<0.0159	<0.0399
Di-n-octyl phthalate	NL	800	NL	NL	270,000	mg/kg	NT	NT	NT	NT	NT	<0.00994	<0.0196	<0.0492
Fluoranthene	NL	3,200	NL	NL	630	mg/kg	NT	NT	NT	NT	NT	<0.00543	<0.0107	<0.0269
Fluorene	NL	3,200	NL	NL	100	mg/kg	NT	NT	NT	NT	NT	<0.00747	<0.0148	<0.037
Hexachlorobenzene	NL	160	0.63	31	0.88	mg/kg	NT	NT	NT	NT	NT	<0.00938	<0.0185	<0.0464
Hexachlorocyclopentadiene	NL	480	NL	NL	190	mg/kg	NT	NT	NT	NT	NT	<0.0643	<0.127	<0.318
Hexachloroethane	NL	56	25	NL	0.043	mg/kg	NT	NT	NT	NT	NT	<0.0147	<0.029	<0.0726
Indeno-1,2,3-cd-pyrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	<0.00846	<0.0167	<0.0418
Isophorone	NL	16,000	1100	NL	0.23	mg/kg	NT	NT	NT	NT	NT	<0.00572	<0.0113	<0.0283
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	NT	NT	NT	NT	NT	<0.00974	<0.0192	<0.0482
Nitrobenzene	NL	160	NL	NL	0.1	mg/kg	NT	NT	NT	NT	NT	<0.00761	<0.015	<0.0377
Nitrophenol, 2-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	<0.0142	<0.0281	<0.0705
Nitrophenol, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	<0.0575	<0.114	<0.285
Nitrosodimethylamine, N-	NL	0.64	0.02	NL	0.0000038	mg/kg	NT	NT	NT	NT	NT	<0.0709	<0.14	<0.351
Nitrosodi-n-propylamine, N-	NL	NL	0.14	NL	NL	mg/kg	NT	NT	NT	NT	NT	<0.00993	<0.0196	<0.0491
Nitrosodiphenylamine, N-	NL	NL	200	NL	NL	mg/kg	NT	NT	NT	NT	NT	<0.0986	<0.195	<0.488
Pentachlorophenol	NL	400	2.5	11	NL	mg/kg	NT	NT	NT	NT	NT	<0.0526	<0.104	<0.26
Phenanthrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	<0.00578	<0.0114	<0.0286
Phenol	NL	24,000	NL	NL	11	mg/kg	NT	NT	NT	NT	NT	<0.00761	<0.015	<0.0377
Pyrene	NL	2,400	NL	NL	650	mg/kg	NT	NT	NT	NT	NT	<0.0135	<0.0266	<0.0667
Trichlorophenol, 2,4,6-	NL	80	91	NL	0.046	mg/kg	NT	NT	NT	NT	NT	<0.00853	<0.0169	<0.0422
PAHs (Method 8270)														
Acenaphthene	NL	4,800	NL	NL	98	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Acenaphthylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Anthracene	NL	24,000	NL	NL	2,300	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Benz-a-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-a-pyrene	0.1	24	0.19	30	3.9	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-b-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-g,h,i-perylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-k-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Chloronaphthalene, 2-(beta-chloronaphthalene)	NL	6,400	NL	NL	34	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Chrysene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Dibenz-a,h-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Fluoranthene	NL	3,200	NL	NL	630	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Fluorene	NL	3,200	NL	NL	100	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Indeno-1,2,3-cd-pyrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Methylnaphthalene, 1-	NL	5600	34	NL	0.082	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Methylnaphthalene, 2-	NL	320	NL	NL	1.7	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Phenanthrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Pyrene	NL	2,400	NL	NL	650	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
PCBs (Method 8082)														
Aroclor 1016	NL	5.6	14.00	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1221	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1232	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1242	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1248	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1254	NL	1.6	0.50	NL	0.71	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1260	NL	NL	0.50	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB17C					SB17D			SB17E		
Laboratory Identification							L1168403-22	L1168403-23	L1161400-16	L1161400-17 L1165576-11	L1161400-18 L1165576-12	L1165628-18	L1165628-19	L1165628-20	L1161924-04	L1167359-01	
							11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/14/2019	11/14/2019	
							0 - 1 ft	1 - 2 ft	2 - 3 ft	9 - 10 ft	14 - 15 ft	1 - 2 ft	2 - 3 ft	3 - 4 ft	9 - 10 ft	14 - 15 ft	
Sample Date																	
Depth Range																	
Hydrocarbon																	
Gasoline range organics(Benzene Present)	30	NL	NL	200	NL	mg/kg	NT	NT	4.22	377	580	NT	NT	-	<0.982	<1	
Gasoline range organics (Benzene NonDetect)	100		NL	200	NL	mg/kg	NT	NT	4.22	-	-	NT	NT	1.61 B J	--	--	
Diesel range organics	2000	NL	NL	460	NL	mg/kg	371 T8	326 T8	18.6	385	294	<15	5.99	3.95 J	13.8	11	
Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	2160 T8	1400 T8	19.2	830	580	129	53.5	28.4	53.3	60.7	
Total Diesel/Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	2531	1726	37.8	1215	874	136.5	59.49	32.35	67.1	71.7	
Metals																	
Arsenic	20	24	0.67	20	2.9	mg/kg	NT	NT	3.51	5.73	5.16	4.02	3.86	NT	4.3	5.89	
Barium	NL	16000	NL	1250	1600	mg/kg	NT	NT	83.8	127	89.8	NT	NT	NT	114	125	
Cadmium	2	80	NL	25	0.69	mg/kg	NT	NT	0.1150 J	0.1720 J	0.1200 J	NT	NT	NT	0.2840 J	0.3500 J	
Lead	250	NL	NL	220	3000	mg/kg	NT	NT	4.29	10.2	3.59	NT	NT	NT	15.8	21.7	
Mercury	2	NL	NL	9	2.1	mg/kg	NT	NT	0.0377	0.03090 J	0.02490 J	NT	NT	NT	0.0618	0.054	
Selenium	NL	400	NL	0.8	5.2	mg/kg	NT	NT	<0.677	<0.722	<0.694	NT	NT	NT	0.735 J	0.255 J	
Silver	NL	400	NL	NL	14	<mg/kg	NT	NT	<0.131	<0.14	<0.134	NT	NT	NT	0.288 B J	0.241 B J	
Total Chromium	NL	NL	NL	42	NL	mg/kg	NT	NT	27.2	43.1	34.7	NT	NT	NT	32.3	40.9	
Chromium,Hexavalent	19	240	NL	NL	18.00	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chromium,Trivalent	2000	120000	NL	NL	480000	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Other																	
% Moisture	NL	NL	NL	NL	NL	%	93.3	92.2	91.6	85.9	89.3	88.9	85.8	89.5	86.3	84.6	
pH	NL	NL	NL	NL	NL	s.u.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Herbicides (Method 8151)																	
4-(chloro-2-methylphenoxy) acetic acid	NL	40	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dalapon, sodium salt	NL	2400	NL	NL	0.81	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dicamba	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichlorophenoxy, 2,4- butyric acid, 4-(db,2,4-)	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichlorophenoxyacetic acid, 2,4-	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloroprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dinoseb	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
TP Silvex, 2,4,5-	NL	640	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichlorophenoxyacetic acid, 2,4,5-	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Organophosphate Pesticides (Method 8141)																	
Azinphos-methyl	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chlorpyrifos	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Coumaphos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Demeton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Diazinon	NL	56	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichlorvos	NL	40.00	3.40	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dimethoate	NL	180	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Disulfoton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
EPN (ethyl p-nitrophenyl phenylphosphorothioate)	NL	0.8	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Ethoprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Fensulfothion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Fenthion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
lindane	0.01	24.00	0.91	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Malathion	NL	1600	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
MCPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Merphos	NL	2.4	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Methyl parathion	NL	20	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Naled	NL	160	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Parathion	NL	480	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Phorate	NL	16	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Phosdrin (mevinphos)	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Prothiofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Ronnel	NL	4000	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Sulprofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
TEPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Tetrachlorvinphos	NL	2400	42	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichloronate	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
OrganoChlorine Pesticides (Method 8081)																	
Aldrin	NL	2.4	0.059	0.17	0.0025	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chlordane	NL	NL	NL	1	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
DDD	NL	2.4	4.20	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
DDE	NL	24	2.90	NL	0.45	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
DDT	3	40.00	2.90	NL	3.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dieldrin	NL	4	0.063	0.17	0.0028	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Endosulfan I	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Endosulfan II	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Endosulfan sulfate	NL	480	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Endrin	NL	24	NL	0.4	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Endrin aldehyde	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Endrin ketone	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Heptachlor	NL	40	0.22	NL	0.038	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Heptachlor epoxide	NL	1	0.11	NL	0.08	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Hexachlorocyclohexane, alpha	NL	640	0.16	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Hexachlorocyclohexane, beta	NL	NL	0.56	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Hexachlorocyclohexane, delta	NL	NL	0.56	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Methoxychlor	NL	400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Tetraethyl dithiopyrophosphate	NL	40	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Toxaphene	NL	7.2	0.91	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	

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							L1168403-22	L1168403-23	L1161400-16	L1161400-17 L1165576-11	L1161400-18 L1165576-12	L1165628-18	L1165628-19	L1165628-20	L1161924-04	L1167359-01
							11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/14/2019	11/14/2019
Depth Range							0 - 1 ft	1 - 2 ft	2 - 3 ft	9 - 10 ft	14 - 15 ft	1 - 2 ft	2 - 3 ft	3 - 4 ft	9 - 10 ft	14 - 15 ft
VOAs																
Acetone	NL	72000	NL	NL	29	mg/kg	NT	NT	0.043	<0.319	<0.307	NT	NT	NT	0.0889	<0.0162
Acrylonitrile	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.00207	<0.0442	<0.0425	NT	NT	NT	<0.0022	<0.00225
Benzene	0.03	320	18	NL	0.027	mg/kg	NT	NT	<0.000437	0.01710 J	<0.00896	NT	NT	NT	0.00184	0.001010 J
Bromobenzene	NL	640	NL	NL	0.56	mg/kg	NT	NT	<0.00115	<0.0245	<0.0235	NT	NT	NT	<0.00122	<0.00124
Bromodichloromethane	NL	1,600	16	NL	0.036	mg/kg	NT	NT	<0.000861	<0.0184	<0.0176	NT	NT	NT	<0.000913	<0.000932
Bromoform	NL	1,600	130	NL	0.36	mg/kg	NT	NT	<0.00653	<0.139	<0.134	NT	NT	NT	<0.00693	<0.00707
Bromomethane	NL	110	NL	NL	0.05	mg/kg	NT	NT	<0.00404	<0.0862	<0.0828	NT	NT	NT	<0.00429	<0.00437
Butylbenzene, n-	NL	4,000	NL	NL	14	mg/kg	NT	NT	<0.00419	<0.0894	<0.086	NT	NT	NT	<0.00445	<0.00454
Butylbenzene, sec-	NL	8,000	NL	NL	25	mg/kg	NT	NT	0.00788 J	<0.0589	<0.0566	NT	NT	NT	<0.00293	<0.00299
Butylbenzene, tert-	NL	8,000	NL	NL	20	mg/kg	NT	NT	<0.00169	<0.0361	<0.0347	NT	NT	NT	<0.0018	<0.00183
Carbon tetrachloride	NL	320	14	NL	0.042	mg/kg	NT	NT	<0.00118	<0.0251	<0.0242	NT	NT	NT	<0.00125	<0.00128
Chlorobenzene	NL	1,600	NL	NL	0.86	mg/kg	NT	NT	<0.000626	<0.0133	<0.0128	NT	NT	NT	<0.000664	<0.000677
Chloroethane (ethyl chloride)	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.00118	<0.0251	<0.0242	NT	NT	NT	<0.00125	<0.00128
Chloroform	NL	800	32	NL	0.074	mg/kg	NT	NT	<0.000453	0.02200 J	<0.00929	NT	NT	NT	<0.000481	<0.000491
Chloromethane	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.00152	<0.0324	<0.0311	NT	NT	NT	<0.00161	<0.00164
Chlorotoluene, o-	NL	1600	NL	NL	1.9	mg/kg	NT	NT	<0.001	<0.0214	<0.0206	NT	NT	NT	<0.00107	<0.00109
Chlorotoluene, p-	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.00123	<0.0263	<0.0253	NT	NT	NT	<0.00131	<0.00134
Cumene	NL	8,000	NL	NL	15	mg/kg	NT	NT	<0.000942	<0.0201	<0.0193	NT	NT	NT	<0.000999	<0.00102
Cymene	NL	NL	NL	NL	NL	mg/kg	NT	NT	0.29	11.8	10.9	NT	NT	NT	0.0148	0.0712
Dibromo-3-chloropropane, 1,2-	NL	16	1.3	NL	0.0013	mg/kg	NT	NT	<0.00557	<0.119	<0.114	NT	NT	NT	<0.00591	<0.00603
Dibromochloromethane	NL	1,600	12	NL	0.028	mg/kg	NT	NT	<0.000491	<0.0105	<0.0101	NT	NT	NT	<0.000521	<0.000532
Dichlorobenzene, 1,2-	NL	7,200	NL	NL	7	mg/kg	NT	NT	<0.00158	<0.0338	<0.0325	NT	NT	NT	<0.00168	<0.00171
Dichlorobenzene, 1,3-	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.00186	<0.0396	<0.0381	NT	NT	NT	<0.00197	<0.00201
Dichlorobenzene, 1,4-	NL	5,600	190	NL	1.2	mg/kg	NT	NT	<0.00215	<0.0459	<0.0441	NT	NT	NT	<0.00228	<0.00233
Dichlorodifluoromethane	NL	16,000	NL	NL	38	mg/kg	NT	NT	<0.000893	<0.019	<0.0183	NT	NT	NT	<0.000947	<0.000967
Dichloroethane, 1,1-	NL	16,000	180	NL	0.041	mg/kg	NT	NT	<0.000628	<0.0134	<0.0129	NT	NT	NT	<0.000666	<0.00068
Dichloroethane, 1,2-	NL	480	11	NL	0.023	mg/kg	NT	NT	<0.000519	<0.0111	<0.0106	NT	NT	NT	<0.00055	<0.000562
Dichloroethylene, 1,1-	NL	4,000	NL	NL	0.046	mg/kg	NT	NT	<0.000546	<0.0116	<0.0112	NT	NT	NT	<0.000579	<0.000591
Dichloroethylene, cis-1,2-	NL	160	NL	NL	0.078	mg/kg	NT	NT	<0.000753	<0.0161	<0.0154	NT	NT	NT	<0.000799	<0.000816
Dichloroethylene, trans-1,2	NL	1,600	NL	NL	0.52	mg/kg	NT	NT	<0.00156	<0.0333	<0.032	NT	NT	NT	<0.00166	<0.00169
Dichloropropane, 1,2-	NL	3,200	27	NL	0.025	mg/kg	NT	NT	<0.00139	<0.0296	<0.0284	NT	NT	NT	<0.00147	<0.0015
Dichloropropane, 1,3-	NL	1,600	NL	NL	0.88	mg/kg	NT	NT	<0.00191	<0.0408	<0.0392	NT	NT	NT	<0.00203	<0.00207
Dichloropropane, 2,2-	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.000866	<0.0185	<0.0178	NT	NT	NT	<0.000918	<0.000938
Dichloropropene, 1,1-	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.000764	<0.0163	<0.0157	NT	NT	NT	<0.000811	<0.000828
Dichloropropene, cis 1,3-	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.00074	<0.0158	<0.0152	NT	NT	NT	<0.000785	<0.000802
Dichloropropene, trans 1,3-	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.00167	<0.0356	<0.0343	NT	NT	NT	<0.00177	<0.00181
Diisopropyl ether	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.000382	<0.00815	<0.00784	NT	NT	NT	<0.000405	<0.000414
Ethyl benzene	6	8,000	NL	NL	5.9	mg/kg	NT	NT	<0.000579	0.0342 J	<0.0119	NT	NT	NT	0.001520 J	<0.000627
Ethylene dibromide	0.005	720	0.5	NL	0.00027	mg/kg	NT	NT	<0.000573	<0.0122	<0.0118	NT	NT	NT	<0.000608	<0.000621
Hexachlorobutadiene	NL	80	13.00	NL	0.60	mg/kg	NT	NT	<0.0139	<0.296	<0.284	NT	NT	NT	<0.0147	<0.015
Methyl ethyl ketone	NL	48,000	NL	NL	20	mg/kg	NT	NT	0.0384 B	<0.291	<0.28	NT	NT	NT	0.0335 B	<0.0148
Methyl isobutyl ketone	NL	6,400	NL	NL	2.7	mg/kg	NT	NT	<0.0109	<0.233	<0.224	NT	NT	NT	<0.0116	<0.0118
Methylene bromide	NL	800	NL	NL	0.36	mg/kg	NT	NT	<0.00109	<0.0233	<0.0224	NT	NT	NT	<0.00116	<0.00118
Methylene chloride	0.02	480	94	NL	0.021	mg/kg	NT	NT	<0.00725	<0.155	<0.149	NT	NT	NT	<0.00769	<0.00785
MTBE	0.1	NL	560	NL	0.10	mg/kg	NT	NT	<0.000322	<0.00687	<0.0066	NT	NT	NT	<0.000342	<0.000349
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	NT	NT	<0.00341	<0.0727	<0.0699	NT	NT	NT	<0.00361	<0.00369
Propylbenzene, n-	NL	8,000	NL	NL	16	mg/kg	NT	NT	<0.00129	0.0444 J	<0.0264	NT	NT	NT	<0.00137	<0.0014
Styrene	NL	16,000	NL	NL	2.2	mg/kg	NT	NT	<0.00298	<0.0636	<0.0611	NT	NT	NT	<0.00316	<0.00323
Tetrachloroethane, 1,1,1,2-	NL	2,400	38	NL	0.0098	mg/kg	NT	NT	<0.000546	<0.0116	<0.0112	NT	NT	NT	<0.000579	<0.000591
Tetrachloroethane, 1,1,2,2-	NL	1,600	5	NL	0.0012	mg/kg	NT	NT	<0.000426	<0.00908	<0.00873	NT	NT	NT	<0.000452	<0.000461
Tetrachloroethylene	0.05	480	480	NL	0.05	mg/kg	NT	NT	<0.000764	<0.0163	<0.0157	NT	NT	NT	<0.000811	<0.000828
Toluene	7	6,400	NL	NL	4.5	mg/kg	NT	NT	0.00218 J	0.0537 J	0.037 J	NT	NT	NT	0.0149	0.00545 J
Trichloro-1,2,2-trifluoroethane, 1,1,2-	NL	2,400,000	NL	NL	7,600	mg/kg	NT	NT	<0.000737	<0.0157	<0.0151	NT	NT	NT	<0.000782	<0.000798
Trichlorobenzene, 1,2,3-	NL	64	NL	NL	0.2	mg/kg	NT	NT	<0.000683	<0.0146	<0.014	NT	NT	NT	<0.000724	<0.000739
Trichlorobenzene, 1,2,4-	NL	800	34	NL	0.56	mg/kg	NT	NT	<0.00526	<0.112	<0.108	NT	NT	NT	<0.00558	<0.0057
Trichloroethane, 1,1,1-	2	160,000	NL	NL	1.5	mg/kg	NT	NT	<0.0003	<0.0064	<0.00616	NT	NT	NT	<0.000318	<0.000325
Trichloroethane, 1,1,2-	NL	320	18	NL	0.017	mg/kg	NT	NT	<0.000964	<0.0206	<0.0198	NT	NT	NT	<0.00102	<0.00104
Trichloroethylene	0.03	40	12.00	NL	0.025	mg/kg	NT	NT	<0.000437	<0.00931	<0.00896	NT	NT	NT	<0.000463	<0.000473
Trichlorofluoromethane	NL	24,000	NL	NL	23	mg/kg	NT	NT	<0.000546	<0.0116	<0.0112	NT	NT	NT	<0.000579	<0.000591
Trichloropropane, 1,2,3-	NL	320	0.0063	NL	0.0000024	mg/kg	NT	NT	<0.00557	<0.119	<0.114	NT	NT	NT	<0.00591	<0.00603
Trimethylbenzene, 1,2,3-	NL	800	NL	NL	1.3	mg/kg	NT	NT	<0.00126	0.1060 J	0.0279 J	NT	NT	NT	0.00164 J	<0.00136
Trimethylbenzene, 1,2,4-	NL	800	NL	NL	1.3	mg/kg	NT	NT	0.00654 B	0.548	0.349 B	NT	NT	NT	<0.00134	<0.00137
Trimethylbenzene, 1,3,5-	NL	800	NL	NL	1.3	mg/kg	NT	NT	<0.00118	0.0710 J	<0.0242	NT	NT	NT	<0.00125	<0.00128
Vinyl chloride	NL	240	0.67	NL	0.0017	mg/kg	NT	NT	<0.000746	<0.0159	<0.0153	NT	NT	NT	<0.000791	<0.000808
Xylenes	9	16,000	9	NL	14	mg/kg	NT	NT	<0.00522	0.128 J	<0.107	NT	NT	NT	<0.00554	<0.00565

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB17C					SB17D			SB17E	
Laboratory Identification							L1168403-22	L1168403-23	L1161400-16	L1161400-17 L1165576-11	L1161400-18 L1165576-12	L1165628-18	L1165628-19	L1165628-20	L1161924-04	L1167359-01
Sample Date							11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/13/2019	11/14/2019	11/14/2019
Depth Range							0 - 1 ft	1 - 2 ft	2 - 3 ft	9 - 10 ft	14 - 15 ft	1 - 2 ft	2 - 3 ft	3 - 4 ft	9 - 10 ft	14 - 15 ft
SVOCs (Method 8270)																
Acenaphthene	NL	4,800	NL	NL	98	mg/kg	NT	NT	NT	<0.00748	<0.00719	<0.00723	<0.00748	<0.00718	NT	NT
Acenaphthylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00781	<0.00751	<0.00755	<0.00782	<0.0075	NT	NT
Anthracene	NL	24,000	NL	NL	2,300	mg/kg	NT	NT	NT	<0.00736	<0.00707	<0.00711	<0.00737	<0.00706	NT	NT
Benz-a-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00498	<0.00479	<0.00482	<0.00499	<0.00478	NT	NT
Benztidine	NL	240	0.0043	NL	0.000011	mg/kg	NT	NT	NT	<0.0742	<0.0713	<0.0717	<0.0742	<0.0712	NT	NT
Benzo-a-pyrene	0.1	24	0.19	30	3.9	mg/kg	NT	NT	NT	<0.00638	<0.00613	<0.00617	<0.00639	<0.00613	NT	NT
Benzo-b-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00809	<0.00778	<0.00782	<0.0081	<0.00777	NT	NT
Benzo-g,h,i-perylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00839	<0.00807	<0.00811	<0.0084	<0.00806	NT	NT
Benzo-k-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00678	<0.00652	<0.00655	<0.00678	<0.00651	NT	NT
Bis (2-chloroethoxy) methane	NL	240		NL	0.21	mg/kg	NT	NT	NT	<0.00897	<0.00862	<0.00867	<0.00897	<0.00861	NT	NT
Bis (2-chloroethyl) ether	NL	NL	0.91	NL	0.00022	mg/kg	NT	NT	NT	<0.0104	<0.01	<0.0101	<0.0104	<0.01	NT	NT
Bis (2-ethyl-hexyl) phthalate	NL	1,600	71	NL	13	mg/kg	NT	NT	NT	<0.014	<0.0134	<0.0135	<0.014	<0.0134	NT	NT
Bromophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.0133	<0.0128	<0.0128	<0.0133	<0.0127	NT	NT
Butyl benzyl phthalate	NL	16,000	530	NL	13	mg/kg	NT	NT	NT	<0.012	<0.0115	<0.0116	<0.012	<0.0115	NT	NT
Chloro-3-methylphenol, 4-(chlorocresol)	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00555	<0.00534	<0.00537	<0.00556	<0.00533	NT	NT
Chloronaphthalene, 2-(beta-chloronaphthalene)	NL	6,400	NL	NL	34	mg/kg	NT	NT	NT	<0.00744	<0.00715	<0.00719	<0.00745	<0.00714	NT	NT
Chlorophenol, 2-	NL	400	NL	NL	0.47	mg/kg	NT	NT	NT	<0.00968	<0.0093	<0.00935	<0.00969	<0.00929	NT	NT
Chlorophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.0073	<0.00702	<0.00706	<0.00731	<0.00701	NT	NT
Chrysene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00646	<0.00621	<0.00625	<0.00647	<0.0062	NT	NT
Dibenz-a,h-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00956	<0.00919	<0.00924	<0.00957	<0.00918	NT	NT
Dichlorobenzidine, 3,3-	NL	NL	2.2	NL	NL	mg/kg	NT	NT	NT	<0.0924	<0.0889	<0.0894	<0.0925	<0.0887	NT	NT
Dichlorophenol, 2,4-	NL	240		NL	0.17	mg/kg	NT	NT	NT	<0.00869	<0.00835	<0.0084	<0.00869	<0.00834	NT	NT
Diethyl phthalate	NL	64,000	NL	NL	72	mg/kg	NT	NT	NT	<0.00805	<0.00774	<0.00778	<0.00805	<0.00772	NT	NT
Dimethyl phenol, 2,4-	NL	1,600	NL	NL	1.3	mg/kg	NT	NT	NT	<0.0548	<0.0527	<0.053	<0.0549	<0.0526	NT	NT
Dimethylphthalate	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00629	<0.00605	<0.00608	<0.00629	<0.00604	NT	NT
Di-n-butyl phthalate	NL	NL	NL	200	NL	mg/kg	NT	NT	NT	<0.0127	<0.0122	<0.0123	<0.0127	<0.0122	NT	NT
Dinitro-2-methylphenol, 4,6-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.144	<0.139	<0.14	<0.145	<0.139	NT	NT
Dinitrophenol, 2,4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.114	<0.11	<0.11	<0.114	<0.11	NT	NT
Dinitrotoluene, 2,4-	NL	160	3.2	NL	0.0017	mg/kg	NT	NT	NT	<0.00707	<0.0068	<0.00683	<0.00707	<0.00678	NT	NT
Dinitrotoluene, 2,6-	NL	24	0.67	NL	0.00031	mg/kg	NT	NT	NT	<0.00858	<0.00825	<0.00829	<0.00859	<0.00824	NT	NT
Di-n-octyl phthalate	NL	800	NL	NL	270,000	mg/kg	NT	NT	NT	0.0392 J	0.0128 J	<0.0102	<0.0106	<0.0101	NT	NT
Fluoranthene	NL	3,200	NL	NL	630	mg/kg	NT	NT	NT	<0.00578	<0.00555	<0.00558	<0.00578	<0.00554	NT	NT
Fluorene	NL	3,200	NL	NL	100	mg/kg	NT	NT	NT	<0.00794	<0.00763	<0.00768	<0.00795	<0.00762	NT	NT
Hexachlorobenzene	NL	160	0.63	31	0.88	mg/kg	NT	NT	NT	<0.00997	<0.00958	<0.00963	<0.00998	<0.00957	NT	NT
Hexachlorocyclopentadiene	NL	480	NL	NL	190	mg/kg	NT	NT	NT	<0.0683	<0.0657	<0.0661	<0.0684	<0.0656	NT	NT
Hexachloroethane	NL	56	25	NL	0.043	mg/kg	NT	NT	NT	<0.0156	<0.015	<0.0151	<0.0156	<0.015	NT	NT
Indeno-1,2,3-cd-pyrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00899	<0.00864	<0.00869	<0.009	<0.00863	NT	NT
Isophorone	NL	16,000	1100	NL	0.23	mg/kg	NT	NT	NT	<0.00608	<0.00584	<0.00587	<0.00608	<0.00583	NT	NT
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	NT	NT	NT	<0.0104	<0.00995	<0.01	<0.0104	<0.00994	NT	NT
Nitrobenzene	NL	160	NL	NL	0.1	mg/kg	NT	NT	NT	<0.00809	<0.00778	<0.00782	<0.0081	<0.00777	NT	NT
Nitrophenol, 2-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.0151	<0.0146	<0.0146	<0.0152	<0.0145	NT	NT
Nitrophenol, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.0611	<0.0588	<0.0591	<0.0612	<0.0587	NT	NT
Nitrosodimethylamine, N-	NL	0.64	0.02	NL	0.0000038	mg/kg	NT	NT	NT	<0.0753	<0.0724	<0.0728	<0.0754	<0.0723	NT	NT
Nitrosodi-n-propylamine, N-	NL	NL	0.14	NL	NL	mg/kg	NT	NT	NT	<0.0105	<0.0101	<0.0102	<0.0106	<0.0101	NT	NT
Nitrosodiphenylamine, N-	NL	NL	200	NL	NL	mg/kg	NT	NT	NT	<0.105	<0.101	<0.101	<0.105	<0.101	NT	NT
Pentachlorophenol	NL	400	2.5	11	NL	mg/kg	NT	NT	NT	<0.0559	<0.0537	<0.054	<0.0559	<0.0537	NT	NT
Phenanthrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	0.00959 J	<0.00591	<0.00594	<0.00615	<0.0059	NT	NT
Phenol	NL	24,000	NL	NL	11	mg/kg	NT	NT	NT	<0.00809	<0.00778	<0.00782	<0.0081	<0.00777	NT	NT
Pyrene	NL	2,400	NL	NL	650	mg/kg	NT	NT	NT	<0.0143	<0.0138	<0.0138	<0.0143	<0.0137	NT	NT
Trichlorophenol, 2,4,6-	NL	80	91	NL	0.046	mg/kg	NT	NT	NT	<0.00907	<0.00872	<0.00877	<0.00908	<0.00871	NT	NT
PAHs (Method 8270)																
Acenaphthene	NL	4,800	NL	NL	98	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Acenaphthylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Anthracene	NL	24,000	NL	NL	2,300	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benz-a-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-a-pyrene	0.1	24	0.19	30	3.9	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-b-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-g,h,i-perylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-k-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chloronaphthalene, 2-(beta-chloronaphthalene)	NL	6,400	NL	NL	34	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chrysene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dibenz-a,h-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluoranthene	NL	3,200	NL	NL	630	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluorene	NL	3,200	NL	NL	100	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Indeno-1,2,3-cd-pyrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methylnaphthalene, 1-	NL	5600	34	NL	0.082	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methylnaphthalene, 2-	NL	320	NL	NL	1.7	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phenanthrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Pyrene	NL	2,400	NL	NL	650	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
PCBs (Method 8082)																
Aroclor 1016	NL	5.6	14.00	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1221	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1232	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1242	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1248	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1254	NL	1.6	0.50	NL	0.71	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1260	NL	NL	0.50	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB17F				SB18			SB19		
Laboratory Identification							L1165628-16	L1167359-02	L1161924-07	L1161924-08	L1161924-09	L1161924-10	L1161924-11	L1161924-12	L1161924-13	L1161924-14 L1166082-01
Sample Date							11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019
Depth Range							6 - 8 ft	10 - 11 ft	18 - 20 ft	24 - 25 ft	0 - 1 ft	2 - 3 ft	4 - 6 ft	0 - 1 ft	2 - 3 ft	4 - 6 ft
Hydrocarbon																
Gasoline range organics(Benzene Present)	30	NL	NL	200	NL	mg/kg	--	--	5.84	<0.897	<0.938	<0.925	<0.985	<0.932	<0.953	<1
Gasoline range organics (Benzene NonDetect)	100	NL	NL	200	NL	mg/kg	3.39 B	26.2	--	--	--	--	--	--	--	--
Diesel range organics	2000	NL	NL	460	NL	mg/kg	NT	61	117	38.5	<73.6	<72.6	<77.3	42.3 J	35 J	110
Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	NT	213	211	81	534 J	878	585	340	338	1000
Total Diesel/Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	NT	274	328	119.5	570.8	914.3	623.65	382.3	373	1110
Metals																
Arsenic	20	24	0.67	20	2.9	mg/kg	NT	4.4	2.78	4.07	2.63	5.84	3.38	2.1 J	2.0 J	5.83
Barium	NL	16000	NL	1250	1600	mg/kg	NT	131	75.2	78.7	67.9	101	110	61.9	62	90.4
Cadmium	2	80	NL	25	0.69	mg/kg	NT	0.5410 J	0.244 J	0.1750 J	0.1890 J	0.2040 J	0.2780 J	0.275 J	0.1590 J	0.2190 J
Lead	250	NL	NL	220	3000	mg/kg	NT	48	8.01	9.13	13.3	6.56	65.9	12.1	6.87	18.9
Mercury	2	NL	NL	9	2.1	mg/kg	NT	0.0628	0.02400 B J	0.02240 B J	0.0209 B J	0.02620 B J	0.04350 B	0.03240 B J	0.02680 B J	0.0519
Selenium	NL	400	NL	0.8	5.2	mg/kg	NT	0.321 J	<0.682	<0.648	<0.686	<0.677	<0.721	<0.682	<0.697	<0.225
Silver	NL	400	NL	NL	14	mg/kg	NT	0.332 B J	0.271 B J	<0.126	0.223 B J	0.275 B J	0.30 B J	0.256 B J	0.254 B J	<0.142
Total Chromium	NL	NL	NL	42	NL	mg/kg	NT	38.1	92.4	98.1	25.2	29.5	30.1	32.8	30.1	33.6
Chromium,Hexavalent	19	240	NL	NL	18.00	mg/kg	NT	NT	NT	<0.669	NT	NT	NT	NT	NT	NT
Chromium,Trivalent	2000	120000	NL	NL	480000	mg/kg	NT	NT	NT	98.1	NT	NT	NT	NT	NT	NT
Other																
% Moisture	NL	NL	NL	NL	NL	%	83.5	83	91	95.6	90.4	91.6	86	90.9	88.9	84.5
pH	NL	NL	NL	NL	NL	s.u.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Herbicides (Method 8151)																
4-(chloro-2-methylphenoxy) acetic acid	NL	40	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dalapon, sodium salt	NL	2400	NL	NL	0.81	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dicamba	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorophenoxy, 2,4- butyric acid, 4-(db,2,4-)	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorophenoxyacetic acid, 2,4-	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichloroprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dinoseb	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TP Silvex, 2,4,5-	NL	640	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichlorophenoxyacetic acid, 2,4,5-	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Organophosphate Pesticides (Method 8141)																
Azinphos-methyl	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlorpyrifos	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Coumaphos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Demeton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Diazinon	NL	56	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorvos	NL	40.00	3.40	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dimethoate	NL	180	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Disulfoton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
EPN (ethyl p-nitrophenyl phenylphosphorothioate)	NL	0.8	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ethoprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fensulfothion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fenthion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
lindane	0.01	24.00	0.91	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Malathion	NL	1600	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
MCPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Merphos	NL	2.4	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methyl parathion	NL	20	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Naled	NL	160	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Parathion	NL	480	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phorate	NL	16	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phosdrin (mevinphos)	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Prothiofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ronnel	NL	4000	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Sulprofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TEPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tetrachlorvinphos	NL	2400	42	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichloronate	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
OrganoChlorine Pesticides (Method 8081)																
Aldrin	NL	2.4	0.059	0.17	0.0025	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlordane	NL	NL	NL	1	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DDD	NL	2.4	4.20	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DDE	NL	24	2.90	NL	0.45	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DDT	3	40.00	2.90	NL	3.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dieldrin	NL	4	0.063	0.17	0.0028	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endosulfan I	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endosulfan II	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endosulfan sulfate	NL	480	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endrin	NL	24	NL	0.4	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endrin aldehyde	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endrin ketone	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Heptachlor	NL	40	0.22	NL	0.038	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Heptachlor epoxide	NL	1	0.11	NL	0.08	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclohexane, alpha	NL	640	0.16	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclohexane, beta	NL	NL	0.56	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclohexane, delta	NL	NL	0.56	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methoxychlor	NL	400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tetraethyl dithiopyrophosphate	NL	40	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Toxaphene	NL	7.2	0.91	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB17F				SB18			SB19		
Laboratory Identification							L1165628-16	L1167359-02	L1161924-07	L1161924-08	L1161924-09	L1161924-10	L1161924-11	L1161924-12	L1161924-13	L1161924-14 L1166082-01
Sample Date							11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019
Depth Range							6 - 8 ft	10 - 11 ft	18 - 20 ft	24 - 25 ft	0 - 1 ft	2 - 3 ft	4 - 6 ft	0 - 1 ft	2 - 3 ft	4 - 6 ft
VOAs																
Acetone	NL	72000	NL	NL	29	mg/kg	NT	<0.0165	<0.0151	0.0397	<0.0152	<0.015	<0.0159	<0.0151	<0.0154	<0.0162
Acrylonitrile	NL	NL	NL	NL	NL	mg/kg	NT	<0.00229	<0.00209	<0.00201	<0.0021	<0.00207	<0.00221	<0.00209	<0.00214	<0.00225
Benzene	0.03	320	18	NL	0.027	mg/kg	NT	0.00245	0.00047 J	0.000898 J	0.001100 J	0.000503 J	0.000941 J	0.00076 J	0.00055 J	0.000987 J
Bromobenzene	NL	640	NL	NL	0.56	mg/kg	NT	<0.00127	<0.00115	<0.00111	<0.00116	<0.00115	<0.00122	<0.00115	<0.00118	<0.00124
Bromodichloromethane	NL	1,600	16	NL	0.036	mg/kg	NT	<0.00095	<0.000866	<0.000832	<0.000872	<0.00086	<0.000916	<0.000867	<0.000886	<0.000933
Bromoform	NL	1,600	130	NL	0.36	mg/kg	NT	<0.00721	<0.00657	<0.00632	<0.00662	<0.00653	<0.00695	<0.00658	<0.00672	<0.00708
Bromomethane	NL	110	NL	NL	0.05	mg/kg	NT	<0.00446	<0.00407	<0.00391	<0.00409	<0.00404	<0.0043	<0.00407	<0.00416	<0.00438
Butylbenzene, n-	NL	4,000	NL	NL	14	mg/kg	NT	<0.00463	<0.00422	<0.00406	<0.00425	<0.00419	<0.00446	<0.00422	<0.00432	<0.00454
Butylbenzene, sec-	NL	8,000	NL	NL	25	mg/kg	NT	0.01350 J	0.00359 J	<0.00267	<0.0028	<0.00276	<0.00294	<0.00278	<0.00284	<0.00299
Butylbenzene, tert-	NL	8,000	NL	NL	20	mg/kg	NT	<0.00187	<0.0017	<0.00164	<0.00171	<0.00169	<0.0018	<0.0017	<0.00174	<0.00183
Carbon tetrachloride	NL	320	14	NL	0.042	mg/kg	NT	<0.0013	<0.00119	<0.00114	<0.00119	<0.00118	<0.00126	<0.00119	<0.00121	<0.00128
Chlorobenzene	NL	1,600	NL	NL	0.86	mg/kg	NT	<0.000691	<0.00063	<0.000605	<0.000634	<0.000626	<0.000666	<0.00063	<0.000644	<0.000678
Chloroethane (ethyl chloride)	NL	NL	NL	NL	NL	mg/kg	NT	<0.0013	<0.00119	<0.00114	<0.00119	<0.00118	<0.00126	<0.00119	<0.00121	<0.00128
Chloroform	NL	800	32	NL	0.074	mg/kg	NT	<0.0005	<0.000456	<0.000438	<0.000459	0.000794 J	0.000581 J	0.001010 J	0.000637 J	0.000672 J
Chloromethane	NL	NL	NL	NL	NL	mg/kg	NT	<0.00168	<0.00153	<0.00147	<0.00154	<0.00152	<0.00162	<0.00153	<0.00156	<0.00165
Chlorotoluene, o-	NL	1600	NL	NL	1.9	mg/kg	NT	<0.00111	<0.00101	<0.000972	<0.00102	<0.001	<0.00107	<0.00101	<0.00103	<0.00109
Chlorotoluene, p-	NL	NL	NL	NL	NL	mg/kg	NT	<0.00136	<0.00124	<0.00119	<0.00125	<0.00123	<0.00131	<0.00124	<0.00127	<0.00134
Cumene	NL	8,000	NL	NL	15	mg/kg	NT	<0.00104	<0.000949	<0.000912	<0.000955	<0.000942	<0.001	<0.000949	<0.00097	<0.00102
Cymene	NL	NL	NL	NL	NL	mg/kg	NT	0.704	0.401	0.0622	0.00275 J	<0.00254	<0.00271	<0.00256	<0.00262	<0.00276
Dibromo-3-chloropropane, 1,2-	NL	16	1.3	NL	0.0013	mg/kg	NT	<0.00615	<0.00561	<0.00539	<0.00564	<0.00557	<0.00593	<0.00561	<0.00573	<0.00604
Dibromochloromethane	NL	1,600	12	NL	0.028	mg/kg	NT	<0.000542	<0.000495	<0.000475	<0.000498	<0.000491	<0.000523	<0.000495	<0.000506	<0.000533
Dichlorobenzene, 1,2-	NL	7,200	NL	NL	7	mg/kg	NT	<0.00175	<0.00159	<0.00153	<0.0016	<0.00158	<0.00169	<0.00159	<0.00163	<0.00172
Dichlorobenzene, 1,3-	NL	NL	NL	NL	NL	mg/kg	NT	<0.00205	<0.00187	<0.0018	<0.00188	<0.00186	<0.00198	<0.00187	<0.00191	<0.00201
Dichlorobenzene, 1,4-	NL	5,600	190	NL	1.2	mg/kg	NT	<0.00237	<0.00217	<0.00208	<0.00218	<0.00215	<0.00229	<0.00217	<0.00221	<0.00233
Dichlorodifluoromethane	NL	16,000	NL	NL	38	mg/kg	NT	<9.860001E-	<0.000899	<0.000864	<0.000905	<0.000893	<0.000951	<0.0009	<0.00092	<0.000968
Dichloroethane, 1,1-	NL	16,000	180	NL	0.041	mg/kg	NT	<0.000693	<0.000632	<0.000607	<0.000636	<0.000628	<0.000669	<0.000632	<0.000646	<0.000681
Dichloroethane, 1,2-	NL	480	11	NL	0.023	mg/kg	NT	<0.000573	<0.000522	<0.000502	<0.000526	<0.000519	<0.000552	<0.000522	<0.000534	<0.000562
Dichloroethylene, 1,1-	NL	4,000	NL	NL	0.046	mg/kg	NT	<0.000603	<0.00055	<0.000528	<0.000553	<0.000546	<0.000581	<0.00055	<0.000562	<0.000592
Dichloroethylene, cis-1,2-	NL	160	NL	NL	0.078	mg/kg	NT	<0.000832	<0.000759	<0.000729	<0.000763	<0.000753	<0.000802	<0.000759	<0.000776	<0.000817
Dichloroethylene, trans-1,2	NL	1,600	NL	NL	0.52	mg/kg	NT	<0.00172	<0.00157	<0.00151	<0.00158	<0.00156	<0.00166	<0.00157	<0.00161	<0.00169
Dichloropropane, 1,2-	NL	3,200	27	NL	0.025	mg/kg	NT	<0.00153	<0.0014	<0.00134	<0.00141	<0.00139	<0.00148	<0.0014	<0.00143	<0.0015
Dichloropropane, 1,3-	NL	1,600	NL	NL	0.88	mg/kg	NT	<0.00211	<0.00192	<0.00185	<0.00194	<0.00191	<0.00203	<0.00192	<0.00197	<0.00207
Dichloropropane, 2,2-	NL	NL	NL	NL	NL	mg/kg	NT	<0.000956	<0.000872	<0.000838	<0.000877	<0.000866	<0.000922	<0.000872	<0.000892	<0.000939
Dichloropropene, 1,1-	NL	NL	NL	NL	NL	mg/kg	NT	<0.000844	<0.00077	<0.000739	<0.000774	<0.000764	<0.000814	<0.00077	<0.000787	<0.000828
Dichloropropene, cis 1,3-	NL	NL	NL	NL	NL	mg/kg	NT	<0.000817	<0.000745	<0.000716	<0.00075	<0.00074	<0.000788	<0.000746	<0.000762	<0.000802
Dichloropropene, trans 1,3-	NL	NL	NL	NL	NL	mg/kg	NT	<0.00184	<0.00168	<0.00162	<0.00169	<0.00167	<0.00178	<0.00168	<0.00172	<0.00181
Diisopropyl ether	NL	NL	NL	NL	NL	mg/kg	NT	<0.000422	<0.000385	<0.00037	<0.000387	<0.000382	<0.000407	<0.000385	<0.000394	<0.000414
Ethyl benzene	6	8,000	NL	NL	5.9	mg/kg	NT	0.002190 J	<0.000583	<0.00056	<0.000586	<0.000579	<0.000616	<0.000583	<0.000596	<0.000627
Ethylene dibromide	0.005	720	0.5	NL	0.00027	mg/kg	NT	<0.000633	<0.000577	<0.000555	<0.000581	<0.000573	<0.00061	<0.000577	<0.00059	<0.000621
Hexachlorobutadiene	NL	80	13.00	NL	0.60	mg/kg	NT	<0.0153	<0.014	<0.0134	<0.0141	<0.0139	<0.0148	<0.014	<0.0143	<0.015
Methyl ethyl ketone	NL	48,000	NL	NL	20	mg/kg	NT	<0.0151	<0.0137	<0.0132	0.0283 B	0.0249 B J	0.0220 B J	0.0546 B	0.0223 B J	0.0219 B J
Methyl isobutyl ketone	NL	6,400	NL	NL	2.7	mg/kg	NT	<0.0121	<0.011	<0.0106	<0.0111	<0.0109	<0.0116	<0.011	<0.0112	<0.0118
Methylene bromide	NL	800	NL	NL	0.36	mg/kg	NT	<0.00121	<0.0011	<0.00106	<0.00111	<0.00109	<0.00116	<0.0011	<0.00112	<0.00118
Methylene chloride	0.02	480	94	NL	0.021	mg/kg	NT	<0.008	<0.0073	<0.00701	<0.00735	<0.00725	<0.00772	<0.0073	<0.00747	<0.00786
MTBE	0.1	NL	560	NL	0.10	mg/kg	NT	<0.000356	<0.000324	<0.000312	<0.000326	<0.000322	<0.000343	<0.000324	<0.000332	<0.000349
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	NT	0.00376 J	<0.00343	<0.0033	<0.00345	<0.00341	<0.00363	0.00495 J		

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method C Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB17F				SB18			SB19		
Laboratory Identification							L1165628-16	L1167359-02	L1161924-07	L1161924-08	L1161924-09	L1161924-10	L1161924-11	L1161924-12	L1161924-13	L1161924-14 L1166082-01
Sample Date							11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019
Depth Range							6 - 8 ft	10 - 11 ft	18 - 20 ft	24 - 25 ft	0 - 1 ft	2 - 3 ft	4 - 6 ft	0 - 1 ft	2 - 3 ft	4 - 6 ft
SVOCs (Method 8270)																
Acenaphthene	NL	4,800	NL	NL	98	mg/kg	<0.154	NT	NT	NT	NT	<0.0742	<0.137	NT	NT	NT
Acenaphthylene	NL	NL	NL	NL	NL	mg/kg	<0.161	NT	NT	NT	NT	<0.0776	<0.144	NT	NT	NT
Anthracene	NL	24,000	NL	NL	2,300	mg/kg	<0.151	NT	NT	NT	NT	<0.0731	<0.135	NT	NT	NT
Benz-a-anthracene	NL	NL	NL	NL	NL	mg/kg	<0.103	NT	NT	NT	NT	<0.0495	<0.0916	NT	NT	NT
Benztidine	NL	240	0.0043	NL	0.000011	mg/kg	<1.53	NT	NT	NT	NT	<0.737	<1.36	NT	NT	NT
Benzo-a-pyrene	0.1	24	0.19	30	3.9	mg/kg	<0.131	NT	NT	NT	NT	<0.0634	<0.117	NT	NT	NT
Benzo-b-fluoranthene	NL	NL	NL	NL	NL	mg/kg	<0.166	NT	NT	NT	NT	<0.0804	<0.149	NT	NT	NT
Benzo-g,h,i-perylene	NL	NL	NL	NL	NL	mg/kg	<0.173	NT	NT	NT	NT	<0.0834	<0.154	NT	NT	NT
Benzo-k-fluoranthene	NL	NL	NL	NL	NL	mg/kg	<0.139	NT	NT	NT	NT	<0.0673	<0.125	NT	NT	NT
Bis (2-chloroethoxy) methane	NL	240	NL	NL	0.21	mg/kg	<0.184	NT	NT	NT	NT	<0.089	<0.165	NT	NT	NT
Bis (2-chloroethyl) ether	NL	NL	0.91	NL	0.00022	mg/kg	<0.215	NT	NT	NT	NT	<0.104	<0.192	NT	NT	NT
Bis (2-ethyl-hexyl) phthalate	NL	1,600	71	NL	13	mg/kg	<0.287	NT	NT	NT	NT	<0.139	<0.257	NT	NT	NT
Bromophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	<0.273	NT	NT	NT	NT	<0.132	<0.244	NT	NT	NT
Butyl benzyl phthalate	NL	16,000	530	NL	13	mg/kg	<0.247	NT	NT	NT	NT	<0.119	<0.221	NT	NT	NT
Chloro-3-methylphenol, 4-(chlorocresol))	NL	NL	NL	NL	NL	mg/kg	<0.114	NT	NT	NT	NT	<0.0552	<0.102	NT	NT	NT
Chloronaphthalene, 2-(beta-chloronaphthalene)	NL	6,400	NL	NL	34	mg/kg	<0.153	NT	NT	NT	NT	<0.0739	<0.137	NT	NT	NT
Chlorophenol, 2-	NL	400	NL	NL	0.47	mg/kg	<0.199	NT	NT	NT	NT	<0.0961	<0.178	NT	NT	NT
Chlorophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	<0.15	NT	NT	NT	NT	<0.0725	<0.134	NT	NT	NT
Chrysene	NL	NL	NL	NL	NL	mg/kg	<0.133	NT	NT	NT	NT	<0.0642	<0.119	NT	NT	NT
Dibenz-a,h-anthracene	NL	NL	NL	NL	NL	mg/kg	<0.197	NT	NT	NT	NT	<0.0949	<0.176	NT	NT	NT
Dichlorobenzidine, 3,3-	NL	NL	2.2	NL	NL	mg/kg	<1.9	NT	NT	NT	NT	<0.918	<1.7	NT	NT	NT
Dichlorophenol, 2,4-	NL	240	NL	NL	0.17	mg/kg	<0.179	NT	NT	NT	NT	<0.0863	<0.16	NT	NT	NT
Diethyl phthalate	NL	64,000	NL	NL	72	mg/kg	<0.166	NT	NT	NT	NT	<0.0799	<0.148	NT	NT	NT
Dimethyl phenol, 2,4-	NL	1,600	NL	NL	1.3	mg/kg	<1.13	NT	NT	NT	NT	<0.545	<1.01	NT	NT	NT
Dimethylphthalate	NL	NL	NL	NL	NL	mg/kg	<0.129	NT	NT	NT	NT	<0.0624	<0.116	NT	NT	NT
Di-n-butyl phthalate	NL	NL	NL	200	NL	mg/kg	<0.261	NT	NT	NT	NT	<0.126	<0.233	NT	NT	NT
Dinitro-2-methylphenol, 4,6-	NL	NL	NL	NL	NL	mg/kg	<2.97	NT	NT	NT	NT	<1.43	<2.65	NT	NT	NT
Dinitrophenol, 2,4-	NL	NL	NL	NL	NL	mg/kg	<2.35	NT	NT	NT	NT	<1.13	<2.1	NT	NT	NT
Dinitrotoluene, 2,4-	NL	160	3.2	NL	0.0017	mg/kg	<0.145	NT	NT	NT	NT	<0.0702	<0.13	NT	NT	NT
Dinitrotoluene, 2,6-	NL	24	0.67	NL	0.00031	mg/kg	<0.177	NT	NT	NT	NT	<0.0852	<0.158	NT	NT	NT
Di-n-octyl phthalate	NL	800	NL	NL	270,000	mg/kg	<0.217	NT	NT	NT	NT	<0.105	<0.194	NT	NT	NT
Fluoranthene	NL	3,200	NL	NL	630	mg/kg	<0.119	NT	NT	NT	NT	<0.0574	<0.106	NT	NT	NT
Fluorene	NL	3,200	NL	NL	100	mg/kg	<0.163	NT	NT	NT	NT	<0.0789	<0.146	NT	NT	NT
Hexachlorobenzene	NL	160	0.63	31	0.88	mg/kg	<0.205	NT	NT	NT	NT	<0.099	<0.183	NT	NT	NT
Hexachlorocyclopentadiene	NL	480	NL	NL	190	mg/kg	<1.41	NT	NT	NT	NT	<0.679	<1.26	NT	NT	NT
Hexachloroethane	NL	56	25	NL	0.043	mg/kg	<0.321	NT	NT	NT	NT	<0.155	<0.287	NT	NT	NT
Indeno-1,2,3-cd-pyrene	NL	NL	NL	NL	NL	mg/kg	<0.185	NT	NT	NT	NT	<0.0893	<0.165	NT	NT	NT
Isophorone	NL	16,000	1100	NL	0.23	mg/kg	<0.125	NT	NT	NT	NT	<0.0604	<0.112	NT	NT	NT
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	<0.213	NT	NT	NT	NT	<0.103	<0.19	NT	NT	NT
Nitrobenzene	NL	160	NL	NL	0.1	mg/kg	<0.166	NT	NT	NT	NT	<0.0804	<0.149	NT	NT	NT
Nitrophenol, 2-	NL	NL	NL	NL	NL	mg/kg	<0.311	NT	NT	NT	NT	<0.15	<0.278	NT	NT	NT
Nitrophenol, 4-	NL	NL	NL	NL	NL	mg/kg	<1.26	NT	NT	NT	NT	<0.607	<1.12	NT	NT	NT
Nitrosodimethylamine, N-	NL	0.64	0.02	NL	0.0000038	mg/kg	<1.55	NT	NT	NT	NT	<0.748	<1.39	NT	NT	NT
Nitrosodi-n-propylamine, N-	NL	NL	0.14	NL	NL	mg/kg	<0.217	NT	NT	NT	NT	<0.105	<0.194	NT	NT	NT
Nitrosodiphenylamine, N-	NL	NL	200	NL	NL	mg/kg	<2.16	NT	NT	NT	NT	<1.04	<1.93	NT	NT	NT
Pentachlorophenol	NL	400	2.5	11	NL	mg/kg	<1.15	NT	NT	NT	NT	<0.555	<1.03	NT	NT	NT
Phenanthrene	NL	NL	NL	NL	NL	mg/kg	<0.126	NT	NT	NT	NT	<0.0611	<0.113	NT	NT	NT
Phenol	NL	24,000	NL	NL	11	mg/kg	<0.166	NT	NT	NT	NT	<0.0804	<0.149	NT	NT	NT
Pyrene	NL	2,400	NL	NL	650	mg/kg	<0.295	NT	NT	NT	NT	<0.142	<0.263	NT	NT	NT
Trichlorophenol, 2,4,6-	NL	80	91	NL	0.046	mg/kg	<0.187	NT	NT	NT	NT	<0.0901	<0.167	NT	NT	NT
PAHs (Method 8270)																
Acenaphthene	NL	4,800	NL	NL	98	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Acenaphthylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Anthracene	NL	24,000	NL	NL	2,300	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benz-a-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-a-pyrene	0.1	24	0.19	30	3.9	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-b-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-g,h,i-perylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-k-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chloronaphthalene, 2-(beta-chloronaphthalene)	NL	6,400	NL	NL	34	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chrysene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dibenz-a,h-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluoranthene	NL	3,200	NL	NL	630	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluorene	NL	3,200	NL	NL	100	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Indeno-1,2,3-cd-pyrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methylnaphthalene, 1-	NL	5600	34	NL	0.082	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methylnaphthalene, 2-	NL	320	NL	NL	1.7	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phenanthrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Pyrene	NL	2,400	NL	NL	650	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
PCBs (Method 8082)																
Aroclor 1016	NL	5.6	14.00	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1221	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1232	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1242	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1248	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1254	NL	1.6	0.50	NL	0.71	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1260	NL	NL	0.50	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method C Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB20					SB21				SB22			
Laboratory Identification							L1168403-29	L1168403-30	L1161924-15 L1165576-05	L1161924-16 L1165576-06	L1161924-17	L1161924-18 L1165576-07	L1165628-23 L1161924-19	L1161924-19	L1161924-20 L1166082-02	L1161924-21	L1168403-31	L1161924-22	L1161924-23
Sample Date							11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019
Depth Range							0 - 1 ft	1 - 2 ft	2 - 3 ft	4 - 6 ft	10 - 11 ft	2 - 3 ft	4 - 6 ft	6 - 8 ft	9 - 11 ft	0 - 1 ft	1 - 2 ft	2 - 3 ft	4 - 6 ft
Hydrocarbon																			
Gasoline range organics(Benzene Present)	30	NL	NL	200	NL	mg/kg	NT	NT	116	--	21.2	8.83 B	--	--	1.38 J	NT	3.990 B	1.690 B J	
Gasoline range organics (Benzene NonDetect)	100	NL	NL	200	NL	mg/kg	NT	NT	--	78.4	--	--	8.97 B	4.34	6.44	--	NT	--	
Diesel range organics	2000	NL	NL	460	NL	mg/kg	908 T8	962 T8	687	243	369	310	292	151	102	47.1 J	39.7 J T8	30.6 J	49.1 J
Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	393 T8	238 T8	182	83.8	1010	632	432	429	279	558	230 T8	252	470
Total Diesel/Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	1301	1200	869	326.8	1379	942	724	580	381	605.1	269.7	282.6	519.1
Metals																			
Arsenic	20	24	0.67	20	2.9	mg/kg	NT	NT	3.62	4.89	7.52	6.23	NT	7.28	8.42	12.3	NT	6.4	8.93
Barium	NL	16000	NL	1250	1600	mg/kg	NT	NT	86.9	101	85.6	84.4	NT	95.7	125	70.8	NT	81.8	78.1
Cadmium	2	80	NL	25	0.69	mg/kg	NT	NT	0.1580 J	0.2170 J	0.2800 J	0.2030 J	NT	0.287 J	0.3070 J	0.2200 J	NT	0.1880 J	0.2060 J
Lead	250	NL	NL	220	3000	mg/kg	NT	NT	5.07	17.8	25.9	684	NT	256	105	54.7	NT	20.9	25.5
Mercury	2	NL	NL	9	2.1	mg/kg	NT	NT	0.0378 B	0.03960 B	0.04830 B	0.03710 B	NT	0.0645	0.169	0.0346	NT	0.02990 J	0.02830 J
Selenium	NL	400	NL	0.8	5.2	mg/kg	NT	NT	<0.687	<0.695	<0.705	<0.726	NT	<0.727	<0.257	<0.703	NT	<0.674	<0.668
Silver	NL	400	NL	NL	14	mg/kg	NT	NT	<0.133	<0.135	<0.136	<0.14	NT	<0.141	<0.162	<0.136	NT	<0.131	<0.129
Total Chromium	NL	NL	NL	42	NL	mg/kg	NT	NT	28	32.7	30.5	182	NT	77.1	48.9	31.2	NT	34.1	36.3
Chromium,Hexavalent	19	240	NL	NL	18.00	mg/kg	NT	NT	NT	NT	NT	16.5	NT	NT	NT	NT	NT	NT	NT
Chromium,Trivalent	2000	120000	NL	NL	480000	mg/kg	NT	NT	NT	NT	NT	166	NT	NT	NT	NT	NT	NT	NT
Other																			
% Moisture	NL	NL	NL	NL	NL	%	90.7	88.5	90.2	89.2	88	85.4	91.5	85.3	74	88.2	92.1	92	92.8
pH	NL	NL	NL	NL	NL	s.u.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Herbicides (Method 8151)																			
4-(chloro-2-methylphenoxy) acetic acid	NL	40	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dalapon, sodium salt	NL	2400	NL	NL	0.81	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dicamba	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorophenoxy, 2,4- butyric acid, 4-(db,2,4-)	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorophenoxyacetic acid, 2,4-	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichloroprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dinoseb	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TP Silvex, 2,4,5-	NL	640	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichlorophenoxyacetic acid, 2,4,5-	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Organophosphate Pesticides (Method 8141)																			
Azinphos-methyl	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlorpyrifos	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Coumaphos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Demeton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Diazinon	NL	56	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorvos	NL	40.00	3.40	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dimethoate	NL	180	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Disulfoton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
EPN (ethyl p-nitrophenyl phenylphosphorothioate)	NL	0.8	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ethoprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fensulfothion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fenthion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
lindane	0.01	24.00	0.91	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Malathion	NL	1600	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
MCPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Merphos	NL	2.4	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methyl parathion	NL	20	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Naled	NL	160	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Parathion	NL	480	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phorate	NL	16	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phosdrin (mevinphos)	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Prothiofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ronnel	NL	4000	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Sulprofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TEPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tetrachlorvinphos	NL	2400	42	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichloronate	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
OrganoChlorine Pesticides (Method 8081)																			
Aldrin	NL	2.4	0.059	0.17	0.0025	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlordane	NL	NL	NL	1	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DDD	NL	2.4	4.20	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DDE	NL	24	2.90	NL	0.45	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DDT	3	40.00	2.90	NL	3.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dieldrin	NL	4	0.063	0.17	0.0028	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endosulfan I	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endosulfan II	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endosulfan sulfate	NL	480	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endrin	NL	24	NL	0.4	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endrin aldehyde	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endrin ketone	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Heptachlor	NL	40	0.22	NL	0.038	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Heptachlor epoxide	NL	1	0.11	NL	0.08	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclohexane, alpha	NL	640	0.16	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclohexane, beta	NL	NL	0.56	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclohexane, delta	NL	NL	0.56	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methoxychlor	NL	400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tetraethyl dithiopyrophosphate	NL	40	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Toxaphene	NL	7.2	0.91	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

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Former Payless Auto Mart
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TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB20					SB21				SB22			
Laboratory Identification							L1168403-29	L1168403-30	L1161924-15 L1165576-05	L1161924-16 L1165576-06	L1161924-17	L1161924-18 L1165576-07	L1165628-23 L1161924-19	L1161924-19	L1161924-20 L1166082-02	L1161924-21	L1168403-31	L1161924-22	L1161924-23
							11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	
							Depth Range	0 - 1 ft	1 - 2 ft	2 - 3 ft	4 - 6 ft	10 - 11 ft	2 - 3 ft	4 - 6 ft	6 - 8 ft	9 - 11 ft	0 - 1 ft	1 - 2 ft	2 - 3 ft
VOAs																			
Acetone	NL	72000	NL	NL	29	mg/kg	NT	NT	<0.0166	<0.0189	<0.0156	<0.016	NT	0.158	0.145	<0.0155	NT	<0.0149	<0.0148
Acrylonitrile	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.0023	<0.00262	<0.00216	<0.00222	NT	<0.00223	<0.00257	<0.00215	NT	<0.00207	<0.00205
Benzene	0.03	320	18	NL	0.027	mg/kg	NT	NT	0.000574 J	0.00214	0.000886 J	0.001120 J	NT	0.00338	0.00262	0.000949 J	NT	0.000445 J	0.000624 J
Bromobenzene	NL	640	NL	NL	0.56	mg/kg	NT	NT	<0.00127	<0.00145	<0.00119	<0.00123	NT	<0.00123	<0.00142	<0.00119	NT	<0.00114	<0.00113
Bromodichloromethane	NL	1,600	16	NL	0.036	mg/kg	NT	NT	<0.000952	<0.00109	<0.000895	<0.000922	NT	<0.000924	<0.00107	<0.000893	NT	<0.000857	<0.000849
Bromoform	NL	1,600	130	NL	0.36	mg/kg	NT	NT	<0.00723	<0.00825	<0.0068	<0.007	NT	<0.00701	<0.00809	<0.00678	NT	<0.0065	<0.00644
Bromomethane	NL	110	NL	NL	0.05	mg/kg	NT	NT	<0.00447	<0.0051	<0.0042	<0.00433	NT	<0.00434	<0.005	<0.00419	NT	<0.00402	<0.00399
Butylbenzene, n-	NL	4,000	NL	NL	14	mg/kg	NT	NT	0.308	0.296	0.0817	0.00564 J	NT	<0.0045	<0.00519	<0.00435	NT	<0.00418	<0.00414
Butylbenzene, sec-	NL	8,000	NL	NL	25	mg/kg	NT	NT	0.123	0.105	0.0395	<0.00296	NT	<0.00297	<0.00342	<0.00287	NT	<0.00275	<0.00273
Butylbenzene, tert-	NL	8,000	NL	NL	20	mg/kg	NT	NT	0.00345 J	<0.00214	<0.00176	<0.00181	NT	<0.00182	<0.0021	<0.00176	NT	<0.00169	<0.00167
Carbon tetrachloride	NL	320	14	NL	0.042	mg/kg	NT	NT	<0.00131	<0.00149	<0.00123	<0.00126	NT	<0.00127	<0.00146	<0.00122	NT	<0.00117	<0.00116
Chlorobenzene	NL	1,600	NL	NL	0.86	mg/kg	NT	NT	<0.000693	<0.00079	<0.000651	<0.000671	NT	<0.000672	<0.000775	<0.000649	NT	<0.000623	<0.000617
Chloroethane (ethyl chloride)	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.00131	<0.00149	<0.00123	<0.00126	NT	<0.00127	<0.00146	<0.00122	NT	<0.00117	<0.00116
Chloroform	NL	800	32	NL	0.074	mg/kg	NT	NT	<0.000502	<0.000572	<0.000472	<0.000486	NT	<0.000486	<0.000561	0.00071 B J	NT	<0.000451	<0.000447
Chloromethane	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.00168	<0.00192	<0.00158	<0.00163	NT	<0.00163	<0.00188	<0.00158	NT	<0.00151	<0.0015
Chlorotoluene, o-	NL	1600	NL	NL	1.9	mg/kg	NT	NT	<0.00111	<0.00127	<0.00105	<0.00108	NT	<0.00108	<0.00124	<0.00104	NT	<0.001	<0.000991
Chlorotoluene, p-	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.00137	<0.00156	<0.00128	<0.00132	NT	<0.00132	<0.00153	<0.00128	NT	<0.00123	<0.00122
Cumene	NL	8,000	NL	NL	15	mg/kg	NT	NT	0.015	0.0145	0.0062	<0.00101	NT	0.00209 J	<0.00117	<0.000978	NT	<0.000939	<0.00093
Cymene	NL	NL	NL	NL	NL	mg/kg	NT	NT	0.142	0.135	0.0462	0.00826	NT	0.0318	0.172	<0.00264	NT	<0.00253	0.00444 J
Dibromo-3-chloropropane, 1,2-	NL	16	1.3	NL	0.0013	mg/kg	NT	NT	<0.00616	<0.00704	<0.0058	<0.00597	NT	<0.00598	<0.0069	<0.00578	NT	<0.00555	<0.0055
Dibromochloromethane	NL	1,600	12	NL	0.028	mg/kg	NT	NT	<0.000544	<0.000621	<0.000511	<0.000527	NT	<0.000527	<0.000608	<0.00051	NT	<0.000489	<0.000485
Dichlorobenzene, 1,2-	NL	7,200	NL	NL	7	mg/kg	NT	NT	<0.00175	<0.002	<0.00165	<0.0017	NT	<0.0017	<0.00196	<0.00164	NT	<0.00158	<0.00156
Dichlorobenzene, 1,3-	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.00205	<0.00235	<0.00193	<0.00199	NT	<0.00199	<0.0023	<0.00193	NT	<0.00185	<0.00183
Dichlorobenzene, 1,4-	NL	5,600	190	NL	1.2	mg/kg	NT	NT	<0.00238	<0.00272	<0.00224	<0.00231	NT	<0.00231	<0.00266	<0.00223	NT	<0.00214	<0.00212
Dichlorodifluoromethane	NL	16,000	NL	NL	38	mg/kg	NT	NT	<0.000989	<0.00113	<0.00093	<0.000957	NT	<0.000959	<0.00111	<0.000927	NT	<0.00089	<0.000881
Dichloroethane, 1,1-	NL	16,000	180	NL	0.041	mg/kg	NT	NT	<0.000695	<0.000793	<0.000653	<0.000673	NT	<0.000674	<0.000778	<0.000652	NT	<0.000625	<0.00062
Dichloroethane, 1,2-	NL	480	11	NL	0.023	mg/kg	NT	NT	<0.000574	<0.000655	<0.000654	<0.000556	NT	<0.000557	<0.000642	<0.000538	NT	<0.000517	<0.000512
Dichloroethylene, 1,1-	NL	4,000	NL	NL	0.046	mg/kg	NT	NT	<0.000604	<0.00069	<0.000568	<0.000585	NT	<0.000586	<0.000676	<0.000567	NT	<0.000544	<0.000539
Dichloroethylene, cis-1,2-	NL	160	NL	NL	0.078	mg/kg	NT	NT	<0.000834	<0.000952	<0.000784	<0.000808	NT	<0.000809	<0.000933	<0.000782	NT	<0.00075	<0.000743
Dichloroethylene, trans-1,2	NL	1,600	NL	NL	0.52	mg/kg	NT	NT	<0.00173	<0.00197	<0.00162	<0.00167	NT	<0.00168	<0.00193	<0.00162	NT	<0.00156	<0.00154
Dichloropropane, 1,2-	NL	3,200	27	NL	0.025	mg/kg	NT	NT	<0.00153	<0.00175	<0.00144	<0.00149	NT	<0.00149	<0.00172	<0.00144	NT	<0.00138	<0.00137
Dichloropropane, 1,3-	NL	1,600	NL	NL	0.88	mg/kg	NT	NT	<0.00212	<0.00241	<0.00199	<0.00205	NT	<0.00205	<0.00237	<0.00198	NT	<0.0019	<0.00189
Dichloropropane, 2,2-	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.000958	<0.00109	<0.000901	<0.000928	NT	<0.000929	<0.00107	<0.000899	NT	<0.000862	<0.000854
Dichloropropene, 1,1-	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.000846	<0.000966	<0.000795	<0.000819	NT	<0.00082	<0.000947	<0.000793	NT	<0.000761	<0.000754
Dichloropropene, cis 1,3-	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.000819	<0.000935	<0.00077	<0.000794	NT	<0.000795	<0.000917	<0.000768	NT	<0.000737	<0.000731
Dichloropropene, trans 1,3-	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.00185	<0.00211	<0.00174	<0.00179	NT	<0.00179	<0.00207	<0.00173	NT	<0.00166	<0.00165
Diisopropyl ether	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.000423	<0.000483	<0.000398	<0.00041	NT	<0.00041	<0.000473	<0.000397	NT	<0.000381	<0.000377
Ethyl benzene	6	8,000	NL	NL	5.9	mg/kg	NT	NT	0.00587	0.00934	0.00534	0.165	NT	0.0662	0.0208	0.000606 J	NT	<0.000576	<0.000571
Ethylene dibromide	0.005	720	0.5	NL	0.00027	mg/kg	NT	NT	<0.000635	<0.000724	<0.000597	<0.000615	NT	<0.000615	<0.00071	<0.000595	NT	<0.000571	<0.000566
Hexachlorobutadiene	NL	80	13.00	NL	0.60	mg/kg	NT	NT	<0.0153	<0.0175	<0.0144	<0.0149	NT	<0.0149	<0.0172	<0.0144	NT	<0.0138	<0.0137
Methyl ethyl ketone	NL	48,000	NL																

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)		Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB20					SB21				SB22			
Laboratory Identification								L1168403-29	L1168403-30	L1161924-15 L1165576-05	L1161924-16 L1165576-06	L1161924-17	L1161924-18 L1165576-07	L1165628-23 L1161924-19	L1161924-19	L1161924-20 L1166082-02	L1161924-21	L1168403-31	L1161924-22	L1161924-23
								Sample Date	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019
Depth Range								0 - 1 ft	1 - 2 ft	2 - 3 ft	4 - 6 ft	10 - 11 ft	2 - 3 ft	4 - 6 ft	6 - 8 ft	9 - 11 ft	0 - 1 ft	1 - 2 ft	2 - 3 ft	4 - 6 ft
SVOCs (Method 8270)																				
Acenaphthene	NL	4,800	NL	NL	NL	98	mg/kg	NT	NT	<0.0142	<0.072	NT	<0.0751	<0.0702	NT	NT	NT	NT	<0.0684	<0.0689
Acenaphthylene	NL	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.0149	<0.0753	NT	<0.0785	<0.0734	NT	NT	NT	NT	<0.0715	<0.0721
Anthracene	NL	24,000	NL	NL	NL	2,300	mg/kg	NT	NT	<0.014	<0.0709	NT	<0.074	<0.0691	NT	NT	NT	NT	<0.0673	<0.0679
Benz-a-anthracene	NL	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.00949	<0.048	NT	<0.0501	<0.0468	NT	NT	NT	NT	<0.0456	<0.046
Benzidine	NL	240	0.0043	NL	NL	0.000011	mg/kg	NT	NT	<0.141	<0.714	NT	<0.746	<0.696	NT	NT	NT	NT	<0.678	<0.684
Benzo-a-pyrene	0.1	24	0.19	30	NL	3.9	mg/kg	NT	NT	<0.0122	<0.0615	NT	<0.0641	<0.0599	NT	NT	NT	NT	<0.0584	<0.0589
Benzo-b-fluoranthene	NL	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.0154	<0.0779	NT	<0.0814	<0.077	NT	NT	NT	NT	<0.074	<0.0746
Benzo-g,h,i-perylene	NL	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.016	<0.0809	NT	<0.0844	<0.0788	NT	NT	NT	NT	<0.0768	<0.0774
Benzo-k-fluoranthene	NL	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.0129	<0.0653	NT	<0.0681	<0.0636	NT	NT	NT	NT	<0.062	<0.0625
Bis (2-chloroethoxy) methane	NL	240	NL	NL	NL	0.21	mg/kg	NT	NT	<0.0171	<0.0864	NT	<0.0901	<0.0842	NT	NT	NT	NT	<0.082	<0.0827
Bis (2-chloroethyl) ether	NL	NL	0.91	NL	NL	0.00022	mg/kg	NT	NT	<0.0199	<0.1	NT	<0.105	<0.098	NT	NT	NT	NT	<0.0954	<0.0962
Bis (2-ethyl-hexyl) phthalate	NL	1,600	71	NL	NL	13	mg/kg	NT	NT	<0.0266	<0.135	NT	<0.14	<0.131	NT	NT	NT	NT	<0.128	<0.129
Bromophenyl phenylether, 4-	NL	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.0253	<0.128	NT	<0.133	<0.125	NT	NT	NT	NT	<0.121	<0.122
Butyl benzyl phthalate	NL	16,000	530	NL	NL	13	mg/kg	NT	NT	<0.0228	<0.116	NT	<0.121	<0.113	NT	NT	NT	NT	<0.11	<0.111
Chloro-3-methylphenol, 4- (chlorocresol))	NL	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.0106	<0.0535	NT	<0.0558	<0.0522	NT	NT	NT	NT	<0.0508	<0.0512
Chloronaphthalene, 2- (beta-chloronaphthalene)	NL	6,400	NL	NL	NL	34	mg/kg	NT	NT	<0.0142	<0.0717	NT	<0.0748	<0.0699	NT	NT	NT	NT	<0.0681	<0.0686
Chlorophenol, 2-	NL	400	NL	NL	NL	0.47	mg/kg	NT	NT	<0.0184	<0.0932	NT	<0.0973	<0.0909	NT	NT	NT	NT	<0.0885	<0.0892
Chlorophenyl phenylether, 4-	NL	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.0139	<0.0703	NT	<0.0734	<0.0686	NT	NT	NT	NT	<0.0668	<0.0673
Chrysene	NL	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.0123	<0.0622	NT	<0.065	<0.0607	NT	NT	NT	NT	<0.0591	<0.0596
Dibenz-a,h-anthracene	NL	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.0182	<0.0921	NT	<0.0961	<0.0898	NT	NT	NT	NT	<0.0874	<0.0882
Dichlorobenzidine, 3,3-	NL	NL	2.2	NL	NL	NL	mg/kg	NT	NT	<0.176	<0.89	NT	<0.929	<0.868	NT	NT	NT	NT	<0.846	<0.853
Dichlorophenol, 2,4-	NL	240	NL	NL	NL	0.17	mg/kg	NT	NT	<0.0165	<0.0837	NT	<0.0873	<0.0816	NT	NT	NT	NT	<0.0795	<0.0801
Diethyl phthalate	NL	64,000	NL	NL	NL	72	mg/kg	NT	NT	<0.0153	<0.0775	NT	<0.0809	<0.0756	NT	NT	NT	NT	<0.0736	<0.0742
Dimethyl phenol, 2,4-	NL	1,600	NL	NL	NL	1.3	mg/kg	NT	NT	<0.104	<0.528	NT	<0.551	<0.515	NT	NT	NT	NT	<0.502	<0.506
Dimethylphthalate	NL	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.012	<0.0606	NT	<0.0632	<0.059	NT	NT	NT	NT	<0.0575	<0.058
Di-n-butyl phthalate	NL	NL	NL	200	NL	NL	mg/kg	NT	NT	<0.0242	<0.122	NT	<0.128	<0.119	NT	NT	NT	NT	<0.116	<0.117
Dinitro-2-methylphenol, 4,6-	NL	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.275	<1.39	NT	<1.45	<1.36	NT	NT	NT	NT	<1.32	<1.33
Dinitrophenol, 2,4-	NL	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.217	<1.1	NT	<1.15	<1.07	NT	NT	NT	NT	<1.04	<1.05
Dinitrotoluene, 2,4-	NL	160	3.2	NL	NL	0.0017	mg/kg	NT	NT	<0.0135	<0.0681	NT	<0.0711	<0.0664	NT	NT	NT	NT	<0.0647	<0.0652
Dinitrotoluene, 2,6-	NL	24	0.67	NL	NL	0.00031	mg/kg	NT	NT	<0.0163	<0.0827	NT	<0.0863	<0.0806	NT	NT	NT	NT	<0.0785	<0.0792
Di-n-octyl phthalate	NL	800	NL	NL	NL	270,000	mg/kg	NT	NT	<0.0201	<0.102	NT	<0.106	<0.0992	NT	NT	NT	NT	<0.0966	<0.0974
Fluoranthene	NL	3,200	NL	NL	NL	630	mg/kg	NT	NT	0.0123 J	<0.0556	NT	<0.0581	<0.0542	NT	NT	NT	NT	<0.0528	<0.0533
Fluorene	NL	3,200	NL	NL	NL	100	mg/kg	NT	NT	0.215	0.098 J	NT	<0.0798	<0.0746	NT	NT	NT	NT	<0.0726	<0.0732
Hexachlorobenzene	NL	160	0.63	31	NL	0.88	mg/kg	NT	NT	<0.019	<0.096	NT	<0.1	<0.0936	NT	NT	NT	NT	<0.0912	<0.0919
Hexachlorocyclopentadiene	NL	480	NL	NL	NL	190	mg/kg	NT	NT	<0.13	<0.658	NT	<0.687	<0.642	NT	NT	NT	NT	<0.625	<0.63
Hexachloroethane	NL	56	25	NL	NL	0.043	mg/kg	NT	NT	<0.0297	<0.15	NT	<0.157	<0.147	NT	NT	NT	NT	<0.143	<0.144
Indeno-1,2,3-cd-pyrene	NL	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.0171	<0.0866	NT	<0.0904	<0.0844	NT	NT	NT	NT	<0.0822	<0.0829
Isophorone	NL	16,000	1100	NL	NL	0.23	mg/kg	NT	NT	<0.0116	<0.0585	NT	<0.0611	<0.0571	NT	NT	NT	NT	<0.0556	<0.0561
Naphthalene	5	1,600	NL	NL	NL	4.5	mg/kg	NT	NT	0.186	0.173 J	NT	<0.104	<0.0972	NT	NT	NT	NT	<0.0947	<0.0955
Nitrobenzene	NL	160	NL	NL	NL	0.1	mg/kg	NT	NT	<0.0154	<0.0779	NT	<0.0814	<0.076	NT	NT	NT	NT	<0.074	<0.0746
Nitrophenol, 2-	NL	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.0288	<0.146	NT	<0.152	<0.142	NT	NT	NT	NT	<0.138	<0.14
Nitrophenol, 4-	NL	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.116	<0.589	NT	<0.615	<0.574	NT	NT	NT	NT	<0.559	<0.564
Nitrosodimethylamine, N-	NL	0.64	0.02	NL	NL	0.0000038	mg/kg	NT	NT	<0.143	<0.726	NT	<0.757	<0.707	NT	NT	NT	NT	<0.689	<0.695
Nitrosodi-n-propylamine, N-	NL	NL	0.14	NL	NL	NL	mg/kg													

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Former Payless Auto Mart
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Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB23						SB24				
Laboratory Identification							L1161924-24	L1161924-25	L1161924-26	L1165628-26	L1165628-27	L1165628-28	L1161924-27	L1168403-32	L1161924-28	L1161924-29	
							11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	
							0 - 1 ft	3 - 4 ft	4 - 6 ft	6 - 8 ft	9 - 11 ft	12 - 14 ft	0 - 1 ft	1 - 2 ft	2 - 3 ft	4 - 6 ft	
Sample Date																	
Depth Range																	
Hydrocarbon																	
Gasoline range organics(Benzene Present)	30	NL	NL	200	NL	mg/kg	--	1,420 B J	1,210 B J	NT	NT	NT	1,020 B J	NT	--	--	--
Gasoline range organics (Benzene NonDetect)	100	NL	NL	200	NL	mg/kg	1.27 B J	--	--	NT	NT	NT	--	NT	<0.871	1.28 B J	1.28 B J
Diesel range organics	2000	NL	NL	460	NL	mg/kg	123	49.4	108	4.72	28.1 J	21.1	6.36	9.63 J T8	24.1 J	10.4 J	10.4 J
Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	1450	483	1270	52.8	455	76.7	66.5	96.6 T8	226	102	102
Total Diesel/Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	1573	532.4	1378	57.52	483.1	97.8	72.86	106.23	250.1	112.4	112.4
Metals																	
Arsenic	20	24	0.67	20	2.9	mg/kg	8.37	5.11	5.51	NT	NT	NT	102	NT	7.22	5.26	5.26
Barium	NL	16000	NL	1250	1600	mg/kg	77.7	80.7	75.8	NT	NT	NT	68.1	NT	68.4	109	109
Cadmium	2	80	NL	25	0.69	mg/kg	0.236 J	0.1460 J	0.2240 J	NT	NT	NT	0.179 J	NT	0.1940 J	0.1790 J	0.1790 J
Lead	250	NL	NL	220	3000	mg/kg	162	10.3	27.5	NT	NT	NT	37	NT	33.3	27.3	27.3
Mercury	2	NL	NL	9	2.1	mg/kg	0.02340 J	0.02660 J	0.0441	NT	NT	NT	0.0564	NT	0.0359	0.03080 J	0.03080 J
Selenium	NL	400	NL	0.8	5.2	mg/kg	<0.673	<0.691	<0.681	NT	NT	NT	0.724 J	NT	<0.637	<0.68	<0.68
Silver	NL	400	NL	NL	14	mg/kg	<0.13	<0.134	<0.132	NT	NT	NT	<0.134	NT	<0.123	<0.132	<0.132
Total Chromium	NL	NL	NL	42	NL	mg/kg	56.4	30.7	24.7	NT	NT	NT	32.1	NT	24.9	33.1	33.1
Chromium,Hexavalent	19	240	NL	NL	18.00	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chromium,Trivalent	2000	120000	NL	NL	480000	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Other																	
% Moisture	NL	NL	NL	NL	NL	%	92.1	89.7	91	93.5	91	90	89.8	90.8	97.3	91.1	91.1
pH	NL	NL	NL	NL	NL	s.u.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Herbicides (Method 8151)																	
4-(chloro-2-methylphenoxy) acetic acid	NL	40	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dalapon, sodium salt	NL	2400	NL	NL	0.81	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dicamba	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorophenoxy, 2,4- butyric acid, 4-(db,2,4-)	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorophenoxyacetic acid, 2,4-	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichloroprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dinoseb	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TP Silvex, 2,4,5-	NL	640	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichlorophenoxyacetic acid, 2,4,5-	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Organophosphate Pesticides (Method 8141)																	
Azinphos-methyl	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlorpyrifos	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Coumaphos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Demeton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Diazinon	NL	56	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorvos	NL	40.00	3.40	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dimethoate	NL	180	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Disulfoton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
EPN (ethyl p-nitrophenyl phenylphosphorothioate)	NL	0.8	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ethoprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fensulfothion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fenthion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
lindane	0.01	24.00	0.91	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Malathion	NL	1600	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
MCPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Merphos	NL	2.4	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methyl parathion	NL	20	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Naled	NL	160	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Parathion	NL	480	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phorate	NL	16	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phosdrin (mevinphos)	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Prothiofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ronnel	NL	4000	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Sulprofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TEPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tetrachlorvinphos	NL	2400	42	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichloronate	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
OrganoChlorine Pesticides (Method 8081)																	
Aldrin	NL	2.4	0.059	0.17	0.0025	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlordane	NL	NL	NL	1	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DDD	NL	2.4	4.20	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DDE	NL	24	2.90	NL	0.45	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DDT	3	40.00	2.90	NL	3.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dieldrin	NL	4	0.063	0.17	0.0028	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endosulfan I	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endosulfan II	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endosulfan sulfate	NL	480	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endrin	NL	24	NL	0.4	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endrin aldehyde	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endrin ketone	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Heptachlor	NL	40	0.22	NL	0.038	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Heptachlor epoxide	NL	1	0.11	NL	0.08	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclohexane, alpha	NL	640	0.16	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclohexane, beta	NL	NL	0.56	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclohexane, delta	NL	NL	0.56	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methoxychlor	NL	400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tetraethyl dithiopyrophosphate	NL	40	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Toxaphene	NL	7.2	0.91	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB23						SB24			
							L1161924-24	L1161924-25	L1161924-26	L1165628-26	L1165628-27	L1165628-28	L1161924-27	L1168403-32	L1161924-28	L1161924-29
							11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019
Depth Range							0 - 1 ft	3 - 4 ft	4 - 6 ft	6 - 8 ft	9 - 11 ft	12 - 14 ft	0 - 1 ft	1 - 2 ft	2 - 3 ft	4 - 6 ft
VOAs																
Acetone	NL	72000	NL	NL	29	mg/kg	<0.0149	0.0250 J	<0.015	NT	NT	NT	<0.0153	NT	<0.0141	<0.015
Acrylonitrile	NL	NL	NL	NL	NL	mg/kg	<0.00206	<0.00212	<0.00209	NT	NT	NT	<0.00212	NT	<0.00195	<0.00208
Benzene	0.03	320	18	NL	0.027	mg/kg	0.00223	0.000713 J	0.00156	NT	NT	NT	0.000455 J	NT	<0.000411	<0.000439
Bromobenzene	NL	640	NL	NL	0.56	mg/kg	<0.00114	<0.00117	<0.00115	NT	NT	NT	<0.00117	NT	<0.00108	<0.00115
Bromodichloromethane	NL	1,600	16	NL	0.036	mg/kg	<0.000855	<0.000879	<0.000866	NT	NT	NT	<0.000878	NT	<0.000809	<0.000865
Bromoform	NL	1,600	130	NL	0.36	mg/kg	<0.00649	<0.00667	<0.00657	NT	NT	NT	<0.00666	NT	<0.00614	<0.00656
Bromomethane	NL	110	NL	NL	0.05	mg/kg	<0.00402	<0.00413	<0.00406	NT	NT	NT	<0.00412	NT	<0.0038	<0.00406
Butylbenzene, n-	NL	4,000	NL	NL	14	mg/kg	<0.00417	<0.00428	<0.00422	NT	NT	NT	<0.00428	NT	<0.00394	<0.00421
Butylbenzene, sec-	NL	8,000	NL	NL	25	mg/kg	<0.00275	<0.00282	<0.00278	NT	NT	NT	<0.00282	NT	<0.0026	<0.00278
Butylbenzene, tert-	NL	8,000	NL	NL	20	mg/kg	<0.00168	<0.00173	<0.0017	NT	NT	NT	<0.00173	NT	<0.00159	<0.0017
Carbon tetrachloride	NL	320	14	NL	0.042	mg/kg	<0.00117	<0.0012	<0.00119	NT	NT	NT	<0.0012	NT	<0.00111	<0.00119
Chlorobenzene	NL	1,600	NL	NL	0.86	mg/kg	<0.000622	<0.000639	<0.000629	NT	NT	NT	<0.000638	NT	<0.000589	<0.000629
Chloroethane (ethyl chloride)	NL	NL	NL	NL	NL	mg/kg	<0.00117	<0.0012	<0.00119	NT	NT	NT	<0.0012	NT	<0.00111	<0.00119
Chloroform	NL	800	32	NL	0.074	mg/kg	0.00051 B J	<0.000463	<0.000456	NT	NT	NT	0.000701 B J	NT	0.000472 B J	<0.000455
Chloromethane	NL	NL	NL	NL	NL	mg/kg	<0.00151	<0.00155	<0.00153	NT	NT	NT	<0.00155	NT	<0.00143	<0.00153
Chlorotoluene, o-	NL	1600	NL	NL	1.9	mg/kg	<0.000999	<0.00103	<0.00101	NT	NT	NT	<0.00103	NT	<0.000945	<0.00101
Chlorotoluene, p-	NL	NL	NL	NL	NL	mg/kg	<0.00123	<0.00126	<0.00124	NT	NT	NT	<0.00126	NT	<0.00116	<0.00124
Cumene	NL	8,000	NL	NL	15	mg/kg	<0.000937	<0.000963	<0.000948	NT	NT	NT	<0.000962	NT	<0.000887	<0.000947
Cymene	NL	NL	NL	NL	NL	mg/kg	<0.00253	<0.0026	<0.00256	NT	NT	NT	<0.0026	NT	<0.00239	<0.00256
Dibromo-3-chloropropane, 1,2-	NL	16	1.3	NL	0.0013	mg/kg	<0.00554	<0.00569	<0.0056	NT	NT	NT	<0.00568	NT	<0.00524	<0.0056
Dibromochloromethane	NL	1,600	12	NL	0.028	mg/kg	<0.000488	<0.000502	<0.000494	NT	NT	NT	<0.000501	NT	<0.000462	<0.000494
Dichlorobenzene, 1,2-	NL	7,200	NL	NL	7	mg/kg	<0.00157	<0.00162	<0.00159	NT	NT	NT	<0.00162	NT	<0.00149	<0.00159
Dichlorobenzene, 1,3-	NL	NL	NL	NL	NL	mg/kg	<0.00185	<0.0019	<0.00187	NT	NT	NT	<0.00189	NT	<0.00175	<0.00187
Dichlorobenzene, 1,4-	NL	5,600	190	NL	1.2	mg/kg	<0.00214	<0.0022	<0.00216	NT	NT	NT	<0.00219	NT	<0.00202	<0.00216
Dichlorodifluoromethane	NL	16,000	NL	NL	38	mg/kg	<0.000888	<0.000912	<0.000899	NT	NT	NT	<0.000911	NT	<0.00084	<0.000898
Dichloroethane, 1,1-	NL	16,000	180	NL	0.041	mg/kg	<0.000624	<0.000641	<0.000632	NT	NT	NT	<0.000641	NT	<0.000591	<0.000631
Dichloroethane, 1,2-	NL	480	11	NL	0.023	mg/kg	<0.000516	<0.00053	<0.000522	NT	NT	NT	<0.000529	NT	<0.000488	<0.000521
Dichloroethylene, 1,1-	NL	4,000	NL	NL	0.046	mg/kg	<0.000543	<0.000558	<0.000549	NT	NT	NT	<0.000557	NT	<0.000514	<0.000549
Dichloroethylene, cis-1,2-	NL	160	NL	NL	0.078	mg/kg	<0.000749	<0.00077	<0.000758	NT	NT	NT	<0.000769	NT	<0.000709	<0.000757
Dichloroethylene, trans-1,2	NL	1,600	NL	NL	0.52	mg/kg	<0.00155	<0.00159	<0.00157	NT	NT	NT	<0.00159	NT	<0.00147	<0.00157
Dichloropropane, 1,2-	NL	3,200	27	NL	0.025	mg/kg	<0.00138	<0.00142	<0.00139	NT	NT	NT	<0.00141	NT	<0.0013	<0.00139
Dichloropropane, 1,3-	NL	1,600	NL	NL	0.88	mg/kg	<0.0019	<0.00195	<0.00192	NT	NT	NT	<0.00195	NT	<0.0018	<0.00192
Dichloropropane, 2,2-	NL	NL	NL	NL	NL	mg/kg	<0.000861	<0.000884	<0.000871	NT	NT	NT	<0.000884	NT	<0.000815	<0.00087
Dichloropropene, 1,1-	NL	NL	NL	NL	NL	mg/kg	<0.00076	<0.000781	<0.000769	NT	NT	NT	<0.00078	NT	<0.000719	<0.000768
Dichloropropene, cis 1,3-	NL	NL	NL	NL	NL	mg/kg	<0.000736	<0.000756	<0.000745	NT	NT	NT	<0.000755	NT	<0.000696	<0.000744
Dichloropropene, trans 1,3-	NL	NL	NL	NL	NL	mg/kg	<0.00166	<0.00168	<0.00171	NT	NT	NT	<0.0017	NT	<0.00157	<0.00168
Diisopropyl ether	NL	NL	NL	NL	NL	mg/kg	<0.00038	<0.00039	<0.000384	NT	NT	NT	<0.00039	NT	<0.00036	<0.000384
Ethyl benzene	6	8,000	NL	NL	5.9	mg/kg	0.001930 J	<0.000591	0.001060 J	NT	NT	NT	<0.00059	NT	<0.000544	<0.000582
Ethylene dibromide	0.005	720	0.5	NL	0.00027	mg/kg	<0.00057	<0.000586	<0.000577	NT	NT	NT	<0.000585	NT	<0.000539	<0.000576
Hexachlorobutadiene	NL	80	13.00	NL	0.60	mg/kg	<0.0138	<0.0142	<0.0139	NT	NT	NT	<0.0141	NT	<0.013	<0.0139
Methyl ethyl ketone	NL	48,000	NL	NL	20	mg/kg	0.0257 B J	0.0501 B	0.0221 B J	NT	NT	NT	0.0456 B	NT	0.0380 B	0.0244 B J
Methyl isobutyl ketone	NL	6,400	NL	NL	2.7	mg/kg	<0.0109	<0.0112	<0.011	NT	NT	NT	<0.0111	NT	<0.0103	<0.011
Methylene bromide	NL	800	NL	NL	0.36	mg/kg	<0.00109	<0.00112	<0.0011	NT	NT	NT	<0.00111	NT	<0.00103	<0.0011
Methylene chloride	0.02	480	94	NL	0.021	mg/kg	<0.00721	<0.00741	<0.00729	NT	NT	NT	<0.0074	NT	<0.00682	<0.00729
MTBE	0.1	NL	560	NL	0.10	mg/kg	<0.00032	<0.000329	<0.000324	NT	NT	NT	<0.000329	NT	<0.000303	<0.000324
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	0.00442 J	<0.00348	0.00494 J	NT	NT	NT	<0.00348	NT	<0.00321	<0.00342
Propylbenzene, n-	NL	8,000	NL	NL	16	mg/kg	<0.00128	<0.00132	<0.0013	NT	NT	NT	<0.00131	NT	<0.00121	<0.00129
Styrene	NL	16,000	NL	NL	2.2	mg/kg	<0.00296	<0.00304	<0.003	NT	NT	NT	<0.00304	NT	<0.0028	<0.003
Tetrachloroethane, 1,1,1,2-	NL	2,400	38	NL	0.0098	mg/kg	<0.000543	<0.000558	<0.000549	NT	NT	NT	<0.000557	NT	<0.000514	<0.000549
Tetrachloroethane, 1,1,2,2-	NL	1,600	5	NL	0.0012	mg/kg	<0.000423	<0.000435	<0.000428	NT	NT	NT	<0.000435	NT	<0.000401	<0.000428
Tetrachloroethylene	0.05	480	480	NL	0.05	mg/kg	<0.00076	<0.000781	<0.000769	NT	NT	NT	<0.00078	NT	<0.000719	<0.000768
Toluene	7	6,400	NL	NL	4.5	mg/kg	0.00596	0.00281 J	0.00513 J	NT	NT	NT	0.00246 J	NT	<0.00128	<0.00137
Trichloro-1,2,2-trifluoroethane, 1,1,2-	NL	2,400,000	NL	NL	7,600	mg/kg	<0.000733	<0.000753	<0.000741	NT	NT	NT	<0.000752	NT	<0.000693	<0.000741
Trichlorobenzene, 1,2,3-	NL	64	NL	NL	0.2	mg/kg	<0.000678	<0.000697	<0.000687	NT	NT	NT	<0.000696	NT	<0.000642	<0.000686
Trichlorobenzene, 1,2,4-	NL	800	34	NL	0.56	mg/kg	<0.00523	<0.00538	<0.00529	NT	NT	NT	<0.00537	NT	<0.00495	<0.00529
Trichloroethane, 1,1,1-	2	160,000	NL	NL	1.5	mg/kg	<0.000298	<0.000307	<0.000302	NT	NT	NT	<0.000306	NT	<0.000283	<0.000302
Trichloroethane, 1,1,2-	NL	320	18	NL	0.017	mg/kg	<0.000958	<0.000985	<0.00097	NT	NT	NT	<0.000984	NT	<0.000907	<0.000969
Trichloroethylene	0.03	40	12.00	NL	0.025	mg/kg	<0.000434	<0.000446	<0.000439	NT	NT	NT	<0.000446	NT	<0.000411	<0.000439
Trichlorofluoromethane	NL	24,000	NL	NL	23	mg/kg	<0.000543	<0.000558	<0.000549	NT	NT	NT	<0.000557	NT	<0.000514	<0.000549
Trichloropropane, 1,2,3-	NL	320	0.0063	NL	0.0000024	mg/kg	<0.00554	<0.00569	<0.0056	NT	NT	NT	<0.00568	NT	<0.00524	<0.0056
Trimethylbenzene, 1,2,3-	NL	800	NL	NL	1.3	mg/kg	0.00148 J	<0.00128	0.00148 J	NT	NT	NT	<0.00128	NT	<0.00118	<0.00126
Trimethylbenzene, 1,2,4-	NL	800	NL	NL	1.3	mg/kg	0.00141 J	<0.00129	0.00149 J	NT	NT	NT	<0.00129	NT	<0.00119	<0.00127
Trimethylbenzene, 1,3,5-	NL	800	NL	NL	1.3	mg/kg	<0.00117	<0.0012	<0.00119	NT	NT	NT	<0.0012	NT	<0.00111	<0.00119
Vinyl chloride	NL	240	0.67	NL	0.0017	mg/kg	<0.000741	<0.000762	<0.00075	NT	NT	NT	<0.000761	NT	<0.000702	<0.00075
Xylenes	9	16,000	9	NL	14	mg/kg	0.0115	<0.00533	0.00538 J	NT	NT	NT	<0.00533	NT	<0.00491	<0.00525

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB25										
Laboratory Identification							L1161924-30	L1165628-29	L1161924-31	L1161924-32	L1161924-33	L1165628-30	L1161924-34	L1165628-31	L1161924-35	L1161924-36	
Sample Date							11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	
Depth Range							1 - 2 ft	2 - 3 ft	3 - 4 ft	6 - 8 ft	8 - 9 ft	9 - 10 ft	10 - 11 ft	14 - 15 ft	16 - 17 ft	19 - 20 ft	
Hydrocarbon																	
Gasoline range organics(Benzene Present)	30	NL	NL	200	NL	mg/kg	1.870 B J	NT	2.490 B J	3.09 B J	2.24 B J	NT	3.49 B	NT	2.25 B J	2.63 B J	
Gasoline range organics (Benzene NonDetect)	100	NL	NL	200	NL	mg/kg	--	NT	--	--	--	NT	--	NT	--	--	
Diesel range organics	2000	NL	NL	460	NL	mg/kg	137	NT	141	58.9	23	NT	33	NT	18.9	21.3	
Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	1060	NT	952	163	106	NT	142	NT	81.6	89.8	
Total Diesel/Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	1197	NT	1093	221.9	129	NT	175	NT	100.5	111.1	
Metals																	
Arsenic	20	24	0.67	20	2.9	mg/kg	3.39	NT	3.8	6.85	6.45	NT	8.99	NT	7.17	6.71	
Barium	NL	16000	NL	1250	1600	mg/kg	92.4	NT	67	93.9	104	NT	118	NT	111	98.3	
Cadmium	2	80	NL	25	0.69	mg/kg	0.1400 J	NT	0.1410 J	0.2790 J	0.2910 J	NT	0.3300 J	NT	0.4990 J	0.3750 J	
Lead	250	NL	NL	220	3000	mg/kg	7.82	8.59	6.73	13.7	18.7	14.1	18.7	12.6	28	14.9	
Mercury	2	NL	NL	9	2.1	mg/kg	0.01560 J	NT	0.02420 J	0.0643	0.0645	NT	0.0701	NT	0.0763	0.0541	
Selenium	NL	400	NL	0.8	5.2	mg/kg	<0.685	NT	<0.674	<0.773	<0.784	NT	<0.249	NT	<0.781	<0.776	
Silver	NL	400	NL	NL	14	mg/kg	<0.133	NT	<0.131	<0.15	<0.152	NT	<0.158	NT	<0.151	<0.15	
Total Chromium	NL	NL	NL	42	NL	mg/kg	25.2	NT	24	22.6	24.4	NT	23.8	NT	31.7	32.4	
Chromium,Hexavalent	19	240	NL	NL	18.00	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chromium,Trivalent	2000	120000	NL	NL	480000	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Other																	
% Moisture	NL	NL	NL	NL	NL	%	90.5	94.1	91.9	80.2	79.1	78.7	76.2	84.5	79.4	79.9	
pH	NL	NL	NL	NL	NL	s.u.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Herbicides (Method 8151)																	
4-(chloro-2-methylphenoxy) acetic acid	NL	40	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dalapon, sodium salt	NL	2400	NL	NL	0.81	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dicamba	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichlorophenoxy, 2,4- butyric acid, 4-(db,2,4-)	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichlorophenoxyacetic acid, 2,4-	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloroprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dinoseb	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
TP Silvex, 2,4,5-	NL	640	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichlorophenoxyacetic acid, 2,4,5-	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Organophosphate Pesticides (Method 8141)																	
Azinphos-methyl	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chlorpyrifos	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Coumaphos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Demeton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Diazinon	NL	56	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichlorvos	NL	40.00	3.40	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dimethoate	NL	180	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Disulfoton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
EPN (ethyl p-nitrophenyl phenylphosphorothioate)	NL	0.8	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Ethoprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Fensulfothion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Fenthion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
lindane	0.01	24.00	0.91	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Malathion	NL	1600	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
MCPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Merphos	NL	2.4	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Methyl parathion	NL	20	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Naled	NL	160	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Parathion	NL	480	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Phorate	NL	16	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Phosdrin (mevinphos)	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Prothiofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Ronnel	NL	4000	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Sulprofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
TEPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Tetrachlorvinphos	NL	2400	42	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichloronate	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
OrganoChlorine Pesticides (Method 8081)																	
Aldrin	NL	2.4	0.059	0.17	0.0025	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chlordane	NL	NL	NL	1	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
DDD	NL	2.4	4.20	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
DDE	NL	24	2.90	NL	0.45	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
DDT	3	40.00	2.90	NL	3.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dieldrin	NL	4	0.063	0.17	0.0028	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Endosulfan I	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Endosulfan II	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Endosulfan sulfate	NL	480	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Endrin	NL	24	NL	0.4	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Endrin aldehyde	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Endrin ketone	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Heptachlor	NL	40	0.22	NL	0.038	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Heptachlor epoxide	NL	1	0.11	NL	0.08	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Hexachlorocyclohexane, alpha	NL	640	0.16	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Hexachlorocyclohexane, beta	NL	NL	0.56	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Hexachlorocyclohexane, delta	NL	NL	0.56	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Methoxychlor	NL	400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Tetraethyl dithiopyrophosphate	NL	40	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Toxaphene	NL	7.2	0.91	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB25									
Laboratory Identification							L1161924-30	L1165628-29	L1161924-31	L1161924-32	L1161924-33	L1165628-30	L1161924-34	L1165628-31	L1161924-35	L1161924-36
Sample Date							11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019
Depth Range							1 - 2 ft	2 - 3 ft	3 - 4 ft	6 - 8 ft	8 - 9 ft	9 - 10 ft	10 - 11 ft	14 - 15 ft	16 - 17 ft	19 - 20 ft
VOAs																
Acetone	NL	72000	NL	NL	29	mg/kg	<0.0151	NT	<0.0149	0.0469	0.095	NT	<0.018	NT	0.0622	0.0834
Acrylonitrile	NL	NL	NL	NL	NL	mg/kg	<0.0021	NT	<0.00207	<0.00237	<0.0024	NT	<0.00249	NT	<0.00239	<0.00238
Benzene	0.03	320	18	NL	0.027	mg/kg	0.000483 J	NT	0.000457 J	0.000715 J	0.00139	NT	0.000566 J	NT	0.000696 J	0.0007 J
Bromobenzene	NL	640	NL	NL	0.56	mg/kg	<0.00116	NT	<0.00114	<0.00131	<0.00133	NT	<0.00138	NT	<0.00132	<0.00131
Bromodichloromethane	NL	1,600	16	NL	0.036	mg/kg	<0.000871	NT	<0.000857	<0.000983	<0.000997	NT	<0.00103	NT	<0.000992	<9.860001E-
Bromoform	NL	1,600	130	NL	0.36	mg/kg	<0.00661	NT	<0.0065	<0.00746	<0.00756	NT	<0.00785	NT	<0.00753	<0.00748
Bromomethane	NL	110	NL	NL	0.05	mg/kg	<0.00409	NT	<0.00402	<0.00461	<0.00468	NT	<0.00486	NT	<0.00466	<0.00463
Butylbenzene, n-	NL	4,000	NL	NL	14	mg/kg	<0.00424	NT	<0.00418	0.00569 J	0.01030 J	NT	0.00646 J	NT	<0.00483	<0.0048
Butylbenzene, sec-	NL	8,000	NL	NL	25	mg/kg	<0.0028	NT	<0.00275	0.00431 J	0.0073 J	NT	0.00462 J	NT	<0.00319	<0.00316
Butylbenzene, tert-	NL	8,000	NL	NL	20	mg/kg	<0.00171	NT	<0.00169	<0.00193	<0.00196	NT	<0.00204	NT	<0.00195	<0.00194
Carbon tetrachloride	NL	320	14	NL	0.042	mg/kg	<0.00119	NT	<0.00117	<0.00135	<0.00137	NT	<0.00142	NT	<0.00136	<0.00135
Chlorobenzene	NL	1,600	NL	NL	0.86	mg/kg	<0.000633	NT	<0.000623	<0.000715	<0.000725	NT	<0.000752	NT	<0.000721	<0.000717
Chloroethane (ethyl chloride)	NL	NL	NL	NL	NL	mg/kg	<0.00119	NT	<0.00117	<0.00135	<0.00137	NT	<0.00142	NT	<0.00136	<0.00135
Chloroform	NL	800	32	NL	0.074	mg/kg	<0.000459	NT	<0.000451	<0.000518	<0.000525	NT	<0.000545	NT	<0.000522	<0.000519
Chloromethane	NL	NL	NL	NL	NL	mg/kg	<0.00154	NT	<0.00151	<0.00173	<0.00176	NT	<0.00183	NT	<0.00175	<0.00174
Chlorotoluene, o-	NL	1600	NL	NL	1.9	mg/kg	<0.00102	NT	<0.001	<0.00115	<0.00116	NT	<0.00121	NT	<0.00116	<0.00115
Chlorotoluene, p-	NL	NL	NL	NL	NL	mg/kg	<0.00125	NT	<0.00123	<0.00141	<0.00143	NT	<0.00148	NT	<0.00142	<0.00141
Cumene	NL	8,000	NL	NL	15	mg/kg	<0.000954	NT	<0.000939	0.00306 J	0.00477	NT	0.00374	NT	0.00112 J	<0.00108
Cymene	NL	NL	NL	NL	NL	mg/kg	<0.00257	NT	<0.00253	0.00340 J	0.0064	NT	0.00449 J	NT	0.00297 J	0.00390 J
Dibromo-3-chloropropane, 1,2-	NL	16	1.3	NL	0.0013	mg/kg	<0.00564	NT	<0.00555	<0.00636	<0.00645	NT	<0.0067	NT	<0.00642	<0.00638
Dibromochloromethane	NL	1,600	12	NL	0.028	mg/kg	<0.000497	NT	<0.000489	<0.000561	<0.000569	NT	<0.000591	NT	<0.000567	<0.000563
Dichlorobenzene, 1,2-	NL	7,200	NL	NL	7	mg/kg	<0.0016	NT	<0.00158	<0.00181	<0.00183	NT	<0.0019	NT	<0.00183	<0.00181
Dichlorobenzene, 1,3-	NL	NL	NL	NL	NL	mg/kg	<0.00188	NT	<0.00185	<0.00212	<0.00215	NT	<0.00223	NT	<0.00214	<0.00213
Dichlorobenzene, 1,4-	NL	5,600	190	NL	1.2	mg/kg	<0.00218	NT	<0.00214	<0.00246	<0.00249	NT	<0.00259	NT	<0.00248	<0.00246
Dichlorodifluoromethane	NL	16,000	NL	NL	38	mg/kg	<0.000904	NT	<0.00089	<0.00102	<0.00103	NT	<0.00107	NT	<0.00103	<0.00102
Dichloroethane, 1,1-	NL	16,000	180	NL	0.041	mg/kg	<0.000635	NT	<0.000625	<0.000717	<0.000727	NT	<0.000755	NT	<0.000724	<0.000719
Dichloroethane, 1,2-	NL	480	11	NL	0.023	mg/kg	<0.000525	NT	<0.000517	<0.000592	<0.000601	NT	<0.000624	NT	<0.000598	<0.000594
Dichloroethylene, 1,1-	NL	4,000	NL	NL	0.046	mg/kg	<0.000552	NT	<0.000544	<0.000624	<0.000632	NT	<0.000657	NT	<0.000629	<0.000625
Dichloroethylene, cis-1,2-	NL	160	NL	NL	0.078	mg/kg	<0.000762	NT	<0.00075	<0.00086	<0.000873	NT	<0.000906	NT	<0.000869	<0.000863
Dichloroethylene, trans-1,2	NL	1,600	NL	NL	0.52	mg/kg	<0.00158	NT	<0.00156	<0.00178	<0.00181	NT	<0.00188	NT	<0.0018	<0.00179
Dichloropropane, 1,2-	NL	3,200	27	NL	0.025	mg/kg	<0.0014	NT	<0.00138	<0.00158	<0.00161	NT	<0.00167	NT	<0.0016	<0.00159
Dichloropropane, 1,3-	NL	1,600	NL	NL	0.88	mg/kg	<0.00193	NT	<0.0019	<0.00218	<0.00221	NT	<0.0023	NT	<0.0022	<0.00219
Dichloropropane, 2,2-	NL	NL	NL	NL	NL	mg/kg	<0.000876	NT	<0.000863	<0.000989	<0.001	NT	<0.00104	NT	<0.000998	<0.000992
Dichloropropene, 1,1-	NL	NL	NL	NL	NL	mg/kg	<0.000773	NT	<0.000761	<0.000873	<0.000885	NT	<0.000919	NT	<0.000881	<0.000876
Dichloropropene, cis 1,3-	NL	NL	NL	NL	NL	mg/kg	<0.000749	NT	<0.000737	<0.000845	<0.000858	NT	<0.00089	NT	<0.000854	<0.000848
Dichloropropene, trans 1,3-	NL	NL	NL	NL	NL	mg/kg	<0.00169	NT	<0.00166	<0.00191	<0.00194	NT	<0.00201	NT	<0.00193	<0.00191
Diisopropyl ether	NL	NL	NL	NL	NL	mg/kg	<0.000387	NT	<0.000381	<0.000436	<0.000443	NT	<0.00046	NT	<0.000441	<0.000438
Ethyl benzene	6	8,000	NL	NL	5.9	mg/kg	<0.000586	NT	<0.000576	0.001030 J	0.00195 J	NT	0.000771 J	NT	<0.000667	0.001660 J
Ethylene dibromide	0.005	720	0.5	NL	0.00027	mg/kg	<0.00058	NT	<0.000571	<0.000655	<0.000664	NT	<0.000689	NT	<0.000661	<0.000657
Hexachlorobutadiene	NL	80	13.00	NL	0.60	mg/kg	<0.014	NT	<0.0138	<0.0158	<0.0161	NT	<0.0167	NT	<0.016	<0.0159
Methyl ethyl ketone	NL	48,000	NL	NL	20	mg/kg	<0.0138	NT	<0.0136	0.0385 B	0.0262 B J	NT	<0.0164	NT	0.0189 B J	0.0186 B J
Methyl isobutyl ketone	NL	6,400	NL	NL	2.7	mg/kg	<0.011	NT	<0.0109	<0.0125	<0.0126	NT	<0.0131	NT	<0.0126	<0.0125
Methylene bromide	NL	800	NL	NL	0.36	mg/kg	<0.0011	NT	<0.00109	<0.00125	<0.00126	NT	<0.00131	NT	<0.00126	<0.00125
Methylene chloride	0.02	480	94	NL	0.021	mg/kg	<0.00734	NT	<0.00722	<0.00828	<0.0084	NT	<0.00872	NT	<0.00836	<0.00831
MTBE	0.1	NL	560	NL	0.10	mg/kg	<0.000326	NT	<0.000321	<0.000368	<0.000373	NT	<0.000387	NT	<0.000371	<0.000369
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	<0.00345	NT	0.00782 J	0.00429 J	0.00448 J	NT	<0.0041	NT	<0.00393	<0.0039
Propylbenzene, n-	NL	8,000	NL	NL	16	mg/kg	<0.0013	NT	<0.00128	0.0163	0.0223	NT	0.0152	NT	0.00497 J	0.00288 J
Styrene	NL	16,000	NL	NL	2.2	mg/kg	<0.00302	NT	<0.00297	<0.0034	<0.00345	NT	<0.00358	NT	<0.00344	<0.00341
Tetrachloroethane, 1,1,1,2-	NL	2,400	38	NL	0.0098	mg/kg	<0.000552	NT	<0.000544	<0.000624	<0.000632	NT	<0.000657	NT	<0.000629	<0.000625
Tetrachloroethane, 1,1,2,2-	NL	1,600	5	NL	0.0012	mg/kg	<0.000431	NT	<0.000424	<0.000486	<0.000493	NT	<0.000512	NT	<0.000491	<0.000488
Tetrachloroethylene	0.05	480	480	NL	0.05	mg/kg	<0.000773	NT	<0.000761	<0.000873	<0.000885	NT	<0.000.			

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SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

[illegible]

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB26								
Laboratory Identification							L1161924-37	L1161924-38	L1161924-39	L1161924-40	L1161924-41	L1166115-01	L1165628-33	L1161924-42	L1161924-43
							11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019
							0 - 1 ft	2 - 3 ft	4 - 6 ft	8 - 9 ft	10 - 11 ft	11 - 12 ft	14 - 15 ft	16 - 17 ft	19 - 20 ft
Sample Date															
Depth Range															
VOAs															
Acetone	NL	72000	NL	NL	29	mg/kg	<0.0159	<0.0157	<0.0153	<0.0157	<0.0161	NT	NT	0.0164 J	0.0249 J
Acrylonitrile	NL	NL	NL	NL	NL	mg/kg	<0.00221	<0.00218	<0.00212	<0.00217	<0.00223	NT	NT	<0.00223	<0.00225
Benzene	0.03	320	18	NL	0.027	mg/kg	<0.000465	<0.000459	0.000565 J	0.000747 J	0.000678 J	NT	NT	0.000781 J	0.000602 J
Bromobenzene	NL	640	NL	NL	0.56	mg/kg	<0.00122	<0.00121	<0.00117	<0.0012	<0.00123	NT	NT	<0.00123	<0.00124
Bromodichloromethane	NL	1,600	16	NL	0.036	mg/kg	<0.000916	<0.000905	<0.000878	<0.000902	<0.000924	NT	NT	<0.000924	<0.000934
Bromoform	NL	1,600	130	NL	0.36	mg/kg	<0.00695	<0.00687	<0.00667	<0.00684	<0.00701	NT	NT	<0.00702	<0.00708
Bromomethane	NL	110	NL	NL	0.05	mg/kg	<0.0043	<0.00425	<0.00412	<0.00423	<0.00434	NT	NT	<0.00434	<0.00438
Butylbenzene, n-	NL	4,000	NL	NL	14	mg/kg	<0.00446	<0.00441	<0.00428	<0.00439	<0.0045	NT	NT	<0.00451	<0.00455
Butylbenzene, sec-	NL	8,000	NL	NL	25	mg/kg	<0.00294	<0.0029	<0.00282	<0.00289	<0.00297	NT	NT	<0.00297	<0.003
Butylbenzene, tert-	NL	8,000	NL	NL	20	mg/kg	<0.0018	<0.00178	<0.00173	<0.00177	<0.00182	NT	NT	<0.00182	<0.00184
Carbon tetrachloride	NL	320	14	NL	0.042	mg/kg	<0.00126	<0.00124	<0.0012	<0.00124	<0.00127	NT	NT	<0.00127	<0.00128
Chlorobenzene	NL	1,600	NL	NL	0.86	mg/kg	<0.000666	<0.000658	<0.000639	<0.000656	<0.000672	NT	NT	<0.000672	<0.000679
Chloroethane (ethyl chloride)	NL	NL	NL	NL	NL	mg/kg	<0.00126	<0.00124	<0.0012	<0.00124	<0.00127	NT	NT	<0.00127	<0.00128
Chloroform	NL	800	32	NL	0.074	mg/kg	<0.000482	<0.000476	<0.000463	<0.000475	<0.000487	NT	NT	<0.000487	<0.000492
Chloromethane	NL	NL	NL	NL	NL	mg/kg	<0.00162	<0.0016	<0.00155	<0.00159	<0.00163	NT	NT	<0.00163	<0.00165
Chlorotoluene, o-	NL	1600	NL	NL	1.9	mg/kg	<0.00107	<0.00106	<0.00103	<0.00105	<0.00108	NT	NT	<0.00108	<0.00109
Chlorotoluene, p-	NL	NL	NL	NL	NL	mg/kg	<0.00131	<0.0013	<0.00126	<0.00129	<0.00133	NT	NT	<0.00133	<0.00134
Cumene	NL	8,000	NL	NL	15	mg/kg	<0.001	<0.000991	<0.000962	<9.869999E-	<0.00101	NT	NT	<0.00101	<0.00102
Cymene	NL	NL	NL	NL	NL	mg/kg	<0.00271	<0.00268	<0.0026	<0.00267	<0.00273	NT	NT	<0.00273	0.00357 J
Dibromo-3-chloropropane, 1,2-	NL	16	1.3	NL	0.0013	mg/kg	<0.00593	<0.00586	<0.00568	<0.00584	<0.00598	NT	NT	<0.00598	<0.00604
Dibromochloromethane	NL	1,600	12	NL	0.028	mg/kg	<0.000523	<0.000517	<0.000502	<0.000515	<0.000528	NT	NT	<0.000528	<0.000533
Dichlorobenzene, 1,2-	NL	7,200	NL	NL	7	mg/kg	<0.00169	<0.00166	<0.00162	<0.00166	<0.0017	NT	NT	<0.0017	<0.00172
Dichlorobenzene, 1,3-	NL	NL	NL	NL	NL	mg/kg	<0.00198	<0.00195	<0.00189	<0.00195	<0.00199	NT	NT	<0.00199	<0.00201
Dichlorobenzene, 1,4-	NL	5,600	190	NL	1.2	mg/kg	<0.00229	<0.00226	<0.0022	<0.00225	<0.00231	NT	NT	<0.00231	<0.00233
Dichlorodifluoromethane	NL	16,000	NL	NL	38	mg/kg	<0.000951	<0.000939	<0.000912	<0.000936	<0.000959	NT	NT	<0.00096	<0.000969
Dichloroethane, 1,1-	NL	16,000	180	NL	0.041	mg/kg	<0.000668	<0.00066	<0.000641	<0.000658	<0.000674	NT	NT	<0.000675	<0.000681
Dichloroethane, 1,2-	NL	480	11	NL	0.023	mg/kg	<0.000552	<0.000545	<0.000529	<0.000543	<0.000557	NT	NT	0.001130 J	<0.000563
Dichloroethylene, 1,1-	NL	4,000	NL	NL	0.046	mg/kg	<0.000581	<0.000574	<0.000557	<0.000572	<0.000586	NT	NT	<0.000587	<0.000592
Dichloroethylene, cis-1,2-	NL	160	NL	NL	0.078	mg/kg	<0.000802	<0.000792	<0.000769	<0.000789	<0.000809	NT	NT	<0.000809	<0.000817
Dichloroethylene, trans-1,2	NL	1,600	NL	NL	0.52	mg/kg	<0.00166	<0.00164	<0.00159	<0.00164	<0.00168	NT	NT	<0.00168	<0.00169
Dichloropropane, 1,2-	NL	3,200	27	NL	0.025	mg/kg	<0.00148	<0.00146	<0.00142	<0.00145	<0.00149	NT	NT	<0.00149	<0.0015
Dichloropropane, 1,3-	NL	1,600	NL	NL	0.88	mg/kg	<0.00203	<0.00201	<0.00195	<0.002	<0.00205	NT	NT	<0.00205	<0.00207
Dichloropropane, 2,2-	NL	NL	NL	NL	NL	mg/kg	<0.000922	<0.00091	<0.000884	<0.000907	<0.00093	NT	NT	<0.00093	<0.000939
Dichloropropene, 1,1-	NL	NL	NL	NL	NL	mg/kg	<0.000814	<0.000804	<0.00078	<0.000801	<0.000821	NT	NT	<0.000821	<0.000829
Dichloropropene, cis 1,3-	NL	NL	NL	NL	NL	mg/kg	<0.000788	<0.000778	<0.000756	<0.000776	<0.000795	NT	NT	<0.000795	<0.000803
Dichloropropene, trans 1,3-	NL	NL	NL	NL	NL	mg/kg	<0.00178	<0.00176	<0.00171	<0.00175	<0.00179	NT	NT	<0.00179	<0.00181
Diisopropyl ether	NL	NL	NL	NL	NL	mg/kg	<0.000407	<0.000402	<0.00039	<0.0004	<0.00041	NT	NT	<0.000411	<0.000415
Ethyl benzene	6	8,000	NL	NL	5.9	mg/kg	<0.000616	0.000941 J	0.000643 J	<0.000606	<0.000622	NT	NT	<0.000622	<0.000628
Ethylene dibromide	0.005	720	0.5	NL	0.00027	mg/kg	<0.00061	<0.000603	<0.000585	<0.000601	<0.000616	NT	NT	<0.000616	<0.000622
Hexachlorobutadiene	NL	80	13.00	NL	0.60	mg/kg	<0.0148	<0.0146	<0.0142	<0.0145	<0.0149	NT	NT	<0.0149	<0.015
Methyl ethyl ketone	NL	48,000	NL	NL	20	mg/kg	<0.0145	<0.0144	<0.0139	<0.0143	<0.0147	NT	NT	0.0153 B J	0.0168 B J
Methyl isobutyl ketone	NL	6,400	NL	NL	2.7	mg/kg	<0.0116	<0.0115	<0.0111	<0.0114	<0.0117	NT	NT	<0.0117	<0.0118
Methylene bromide	NL	800	NL	NL	0.36	mg/kg	<0.00116	<0.00115	<0.00111	<0.00114	<0.00117	NT	NT	<0.00117	<0.00118
Methylene chloride	0.02	480	94	NL	0.021	mg/kg	<0.00772	<0.00762	<0.0074	<0.0076	<0.00779	NT	NT	<0.00779	<0.00787
MTBE	0.1	NL	560	NL	0.10	mg/kg	<0.000343	<0.000339	<0.000329	<0.000338	<0.000346	NT	NT	<0.000346	<0.000349
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	<0.00363	<0.00358	<0.00348	0.01070 J	0.00522 J	NT	NT	<0.00366	<0.0037
Propylbenzene, n-	NL	8,000	NL	NL	16	mg/kg	<0.00137	<0.00135	<0.00132	<0.00135	<0.00138	NT	NT	<0.00138	<0.0014
Styrene	NL	16,000	NL	NL	2.2	mg/kg	<0.00317	<0.00313	<0.00304	<0.00312	<0.0032	NT	NT	<0.0032	<0.00323
Tetrachloroethane, 1,1,1,2-	NL	2,400	38	NL	0.0098	mg/kg	<0.000581	<0.000574	<0.000557	<0.000572	<0.000586	NT	NT	<0.000587	<0.000592
Tetrachloroethane, 1,1,2,2-	NL	1,600	5	NL	0.0012	mg/kg	<0.000453	<0.000448	<0.000435	<0.000446	<0.000457	NT	NT	<0.000458	<0.000462
Tetrachloroethylene	0.05	480	480	NL	0.05	mg/kg	<0.000814	<0.000804	<0.00078	<0.000801	<0.000821	NT	NT	<0.000821	<0.000829
Toluene	7	6,400	NL	NL	4.5	mg/kg	0.00304 J	0.00633	0.00632	0.00632	0.00476 J	NT	NT	0.00435 J	0.00378 J
Trichloro-1,2,2-trifluoroethane, 1,1,2-	NL	2,400,000	NL	NL	7,600	mg/kg	<0.000784	<0.000775	<0.000752	<0.000772	<0.000792	NT	NT	<0.000792	<0.0008
Trichlorobenzene, 1,2,3-	NL	64	NL	NL	0.2	mg/kg	<0.000726	<0.000718	<0.000697	<0.000715	<0.000733	NT	NT	<0.000733	<0.00074
Trichlorobenzene, 1,2,4-	NL	800	34	N											

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Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB27										
Laboratory Identification							L1161924-44	L1165628-34	L1161924-45	L1165628-35	L1161924-46	L1161924-47	L1165628-36	L1161924-48	L1165628-37	L1161924-49	L1161924-50
Sample Date							11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019
Depth Range							1 - 2 ft	2 - 3 ft	3 - 4 ft	4 - 6 ft	6 - 8 ft	8 - 9 ft	9 - 10 ft	10 - 11 ft	14 - 15 ft	16 - 17 ft	19 - 20 ft
Hydrocarbon																	
Gasoline range organics(Benzene Present)	30	NL	NL	200	NL	mg/kg	-	NT	-	NT	-	-	NT	<0.933	NT	<0.978	-
Gasoline range organics (Benzene NonDetect)	100	NL	NL	200	NL	mg/kg	<0.917	NT	<0.955	NT	<0.924	<0.926	NT	-	NT	-	5.2
Diesel range organics	2000	NL	NL	460	NL	mg/kg	<14.2	NT	<14.5	NT	35.9 J	<72.7	NT	36.9 J	NT	<15.4	90.3
Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	122	NT	88.5 J	NT	428	551	NT	469	NT	132	67.6
Total Diesel/Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	129.2	NT	95.75	NT	463.9	587.35	NT	505.9	NT	139.85	157.9
Metals																	
Arsenic	20	24	0.67	20	2.9	mg/kg	3.78	NT	5.22	NT	NT	5.02	NT	4.96	NT	4.92	6.05
Barium	NL	16000	NL	1250	1600	mg/kg	79.3	NT	67.3	NT	NT	79.9	NT	80.1	NT	76.7	92.8
Cadmium	2	80	NL	25	0.69	mg/kg	0.1710 J	NT	0.1400 J	NT	NT	0.2790 J	NT	0.2880 J	NT	0.2250 J	0.2390 J
Lead	250	NL	NL	220	3000	mg/kg	3.6	137	4.22	3.24	22.1	38.1	10.2	33.7	25.3	26.7	NT
Mercury	2	NL	NL	9	2.1	mg/kg	0.01330 J	NT	0.01530 J	NT	NT	0.0383	NT	0.0454	NT	0.03320 J	0.0807
Selenium	NL	400	NL	0.8	5.2	mg/kg	<0.671	NT	<0.677	NT	NT	<0.678	NT	<0.683	NT	<0.716	<0.746
Silver	NL	400	NL	NL	14	mg/kg	<0.13	NT	<0.131	NT	NT	<0.131	NT	<0.132	NT	<0.139	<0.144
Total Chromium	NL	NL	NL	42	NL	mg/kg	24.5	NT	27.9	NT	NT	33.2	NT	27.5	NT	33.7	35.6
Chromium,Hexavalent	19	240	NL	NL	18.00	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chromium,Trivalent	2000	120000	NL	NL	480000	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Other																	
% Moisture	NL	NL	NL	NL	NL	%	92.4	91.5	91.6	93.7	91.7	91.5	94.3	90.8	91.7	86.6	83.2
pH	NL	NL	NL	NL	NL	s.u.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Herbicides (Method 8151)																	
4-(chloro-2-methylphenoxy) acetic acid	NL	40	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dalapon, sodium salt	NL	2400	NL	NL	0.81	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dicamba	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorophenoxy, 2,4- butyric acid, 4-(db,2,4-)	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorophenoxyacetic acid, 2,4-	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichloroprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dinoseb	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TP Silvex, 2,4,5-	NL	640	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichlorophenoxyacetic acid, 2,4,5-	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Organophosphate Pesticides (Method 8141)																	
Azinphos-methyl	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlorpyrifos	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Coumaphos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Demeton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Diazinon	NL	56	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorvos	NL	40.00	3.40	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dimethoate	NL	180	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Disulfoton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
EPN (ethyl p-nitrophenyl phenylphosphorothioate)	NL	0.8	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ethioprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fensulfotion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fenthion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
lindane	0.01	24.00	0.91	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Malathion	NL	1600	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
MCPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Merphos	NL	2.4	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methyl parathion	NL	20	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Naled	NL	160	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Parathion	NL	480	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phorate	NL	16	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phosdrin (mevinphos)	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Prothiofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ronnel	NL	4000	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Sulprofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TEPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tetrachlorvinphos	NL	2400	42	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichloronate	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
OrganoChlorine Pesticides (Method 8081)																	
Aldrin	NL	2.4	0.059	0.17	0.0025	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlordane	NL	NL	NL	1	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DDD	NL	2.4	4.20	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DDE	NL	24	2.90	NL	0.45	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DDT	3	40.00	2.90	NL	3.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DDTdrin	NL	4	0.063	0.17	0.0028	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endosulfan I	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endosulfan II	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endosulfan sulfate	NL	480	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endrin	NL	24	NL	0.4	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endrin aldehyde	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endrin ketone	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Heptachlor	NL	40	0.22	NL	0.038	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Heptachlor epoxide	NL	1	0.11	NL	0.08	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclohexane, alpha	NL	640	0.16	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclohexane, beta	NL	NL	0.56	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclohexane, delta	NL	NL	0.56	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methoxychlor	NL	400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tetraethyl dithiopyrophosphate	NL	40	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Toxaphene	NL	7.2	0.91	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

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Laboratory Identification							L1161924-44	L1165628-34	L1161924-45	L1165628-35	L1161924-46	L1161924-47	L1165628-36	L1161924-48	L1165628-37	L1161924-49	L1161924-50	
Sample Date							11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	
Depth Range							1 - 2 ft	2 - 3 ft	3 - 4 ft	4 - 6 ft	6 - 8 ft	8 - 9 ft	9 - 10 ft	10 - 11 ft	14 - 15 ft	16 - 17 ft	19 - 20 ft	
VOAs																		
Acetone	NL	72000	NL	NL	NL	29	mg/kg	<0.0148	NT	<0.015	NT	0.0202 J	0.018 J	NT	0.0183 J	NT	0.0173 J	<0.0165
Acrylonitrile	NL	NL	NL	NL	NL	NL	mg/kg	<0.00206	NT	<0.00208	NT	<0.00207	<0.00208	NT	<0.00209	NT	<0.00219	<0.00228
Benzene	0.03	320	18	NL	NL	0.027	mg/kg	<0.000433	NT	<0.000437	NT	<0.000436	<0.000437	NT	0.00060 J	NT	0.000595 J	<0.000481
Bromobenzene	NL	640	NL	NL	NL	0.56	mg/kg	<0.00114	NT	<0.00115	NT	<0.00115	<0.00115	NT	<0.00116	NT	<0.00121	<0.00126
Bromodichloromethane	NL	1,600	16	NL	NL	0.036	mg/kg	<0.000853	NT	<0.000861	NT	<0.000859	<0.000861	NT	<0.000868	NT	<0.00091	<0.000948
Bromoform	NL	1,600	130	NL	NL	0.36	mg/kg	<0.00647	NT	<0.00653	NT	<0.00652	<0.00654	NT	<0.00658	NT	<0.0069	<0.00719
Bromomethane	NL	110	NL	NL	NL	0.05	mg/kg	<0.00404	NT	<0.00404	NT	<0.00404	<0.00404	NT	<0.00407	NT	<0.00427	<0.00445
Butylbenzene, n-	NL	4,000	NL	NL	NL	14	mg/kg	<0.00416	NT	<0.00419	NT	<0.00419	<0.0042	NT	<0.00423	NT	<0.00443	<0.00462
Butylbenzene, sec-	NL	8,000	NL	NL	NL	25	mg/kg	<0.00274	NT	<0.00276	NT	<0.00276	<0.00277	NT	<0.00279	NT	<0.00292	<0.00304
Butylbenzene, tert-	NL	8,000	NL	NL	NL	20	mg/kg	<0.00168	NT	<0.00169	NT	<0.00169	<0.00169	NT	<0.00171	NT	<0.00179	<0.00186
Carbon tetrachloride	NL	320	14	NL	NL	0.042	mg/kg	<0.00117	NT	<0.00118	NT	<0.00118	<0.00118	NT	<0.00119	NT	<0.00125	<0.0013
Chlorobenzene	NL	1,600	NL	NL	NL	0.86	mg/kg	<0.00062	NT	<0.000626	NT	<0.000625	<0.000626	NT	<0.000631	NT	<0.000661	<0.000689
Chloroethane (ethyl chloride)	NL	NL	NL	NL	NL	NL	mg/kg	<0.00117	NT	<0.00118	NT	<0.00118	<0.00118	NT	<0.00119	NT	<0.00125	<0.0013
Chloroform	NL	800	32	NL	NL	0.074	mg/kg	<0.000449	NT	<0.000453	NT	<0.000453	<0.000454	NT	<0.000457	NT	<0.000479	<0.000499
Chloromethane	NL	NL	NL	NL	NL	NL	mg/kg	<0.0015	NT	<0.00152	NT	<0.00152	<0.00152	NT	<0.00153	NT	<0.0016	<0.00167
Chlorotoluene, o-	NL	1600	NL	NL	NL	1.9	mg/kg	<0.000996	NT	<0.001	NT	<0.001	<0.00101	NT	<0.00101	NT	<0.00106	<0.00111
Chlorotoluene, p-	NL	NL	NL	NL	NL	NL	mg/kg	<0.00122	NT	<0.00123	NT	<0.00123	<0.00124	NT	<0.00124	NT	<0.0013	<0.00136
Cumene	NL	8,000	NL	NL	NL	15	mg/kg	<0.000934	NT	<0.000943	NT	<0.000941	<0.000943	NT	<0.00095	NT	<0.000996	<0.00104
Cymene	NL	NL	NL	NL	NL	NL	mg/kg	<0.00252	NT	<0.00254	NT	0.146	0.0502	NT	0.0683	NT	0.0435	<0.0028
Dibromo-3-chloropropane, 1,2-	NL	16	1.3	NL	NL	0.0013	mg/kg	<0.00552	NT	<0.00557	NT	<0.00556	<0.00557	NT	<0.00561	NT	<0.00589	<0.00613
Dibromochloromethane	NL	1,600	12	NL	NL	0.028	mg/kg	<0.000487	NT	<0.000492	NT	<0.000491	<0.000492	NT	<0.000495	NT	<0.000519	<0.000541
Dichlorobenzene, 1,2-	NL	7,200	NL	NL	NL	7	mg/kg	<0.00157	NT	<0.00158	NT	<0.00158	<0.00158	NT	<0.0016	NT	<0.00167	<0.00174
Dichlorobenzene, 1,3-	NL	NL	NL	NL	NL	NL	mg/kg	<0.00184	NT	<0.00186	NT	<0.00185	<0.00186	NT	<0.00187	NT	<0.00196	<0.00204
Dichlorobenzene, 1,4-	NL	5,600	190	NL	NL	1.2	mg/kg	<0.00213	NT	<0.00215	NT	<0.00215	<0.00215	NT	<0.00217	NT	<0.00227	<0.00237
Dichlorodifluoromethane	NL	16,000	NL	NL	NL	38	mg/kg	<0.000885	NT	<0.000893	NT	<0.000892	<0.000894	NT	<0.000901	NT	<0.000944	<0.000984
Dichloroethane, 1,1-	NL	16,000	180	NL	NL	0.041	mg/kg	<0.000622	NT	<0.000628	NT	<0.000627	<0.000628	NT	<0.000633	NT	<0.000664	<0.000691
Dichloroethane, 1,2-	NL	480	11	NL	NL	0.023	mg/kg	<0.000514	NT	<0.000519	NT	<0.000518	<0.000519	NT	<0.000523	NT	<0.000548	<0.000571
Dichloroethylene, 1,1-	NL	4,000	NL	NL	NL	0.046	mg/kg	<0.000541	NT	<0.000546	NT	<0.000545	<0.000547	NT	<0.00055	NT	<0.000577	<0.000601
Dichloroethylene, cis-1,2-	NL	160	NL	NL	NL	0.078	mg/kg	<0.000747	NT	<0.000754	NT	<0.000753	<0.000754	NT	<0.00076	NT	<0.000797	<0.00083
Dichloroethylene, trans-1,2	NL	1,600	NL	NL	NL	0.52	mg/kg	<0.00155	NT	<0.00156	NT	<0.00156	<0.00156	NT	<0.00157	NT	<0.00165	<0.00172
Dichloropropane, 1,2-	NL	3,200	27	NL	NL	0.025	mg/kg	<0.00137	NT	<0.00139	NT	<0.00139	<0.00139	NT	<0.0014	NT	<0.00147	<0.00153
Dichloropropane, 1,3-	NL	1,600	NL	NL	NL	0.88	mg/kg	<0.00189	NT	<0.00191	NT	<0.00191	<0.00191	NT	<0.00193	NT	<0.00202	<0.0021
Dichloropropane, 2,2-	NL	NL	NL	NL	NL	NL	mg/kg	<0.000858	NT	<0.000866	NT	<0.000865	<0.000867	NT	<0.000873	NT	<0.000915	<0.000954
Dichloropropene, 1,1-	NL	NL	NL	NL	NL	NL	mg/kg	<0.000757	NT	<0.000765	NT	<0.000763	<0.000765	NT	<0.000771	NT	<0.000808	<0.000842
Dichloropropene, cis 1,3-	NL	NL	NL	NL	NL	NL	mg/kg	<0.000734	NT	<0.000741	NT	<0.000739	<0.000741	NT	<0.000746	NT	<0.000783	<0.000815
Dichloropropene, trans 1,3-	NL	NL	NL	NL	NL	NL	mg/kg	<0.00166	NT	<0.00167	NT	<0.00167	<0.00167	NT	<0.00168	NT	<0.00177	<0.00184
Diisopropyl ether	NL	NL	NL	NL	NL	NL	mg/kg	<0.000379	NT	<0.000382	NT	<0.000382	<0.000383	NT	<0.000385	NT	<0.000404	<0.000421
Ethyl benzene	6	8,000	NL	NL	NL	5.9	mg/kg	<0.000574	NT	<0.000579	NT	<0.000578	0.000774 J	NT	0.000774J	NT	<0.000612	<0.000637
Ethylene dibromide	0.005	720	0.5	NL	NL	0.00027	mg/kg	<0.000568	NT	<0.000573	NT	<0.000573	<0.000574	NT	<0.000578	NT	<0.000606	<0.000631
Hexachlorobutadiene	NL	80	13.00	NL	NL	0.60	mg/kg	<0.0137	NT	<0.0139	NT	<0.0139	<0.0139	NT	<0.014	NT	<0.0147	<0.0153
Methyl ethyl ketone	NL	48,000	NL	NL	NL	20	mg/kg	0.0197 B J	NT	0.0210 B J	NT	0.0233 B J	0.0191 B J	NT	0.0220 B J	NT	0.0249 B J	<0.015
Methyl isobutyl ketone	NL	6,400	NL	NL	NL	2.7	mg/kg	<0.0108	NT	<0.0109	NT	<0.0109	<0.0109	NT	<0.011	NT	<0.0115	<0.012
Methylene bromide	NL	800	NL	NL	NL	0.36	mg/kg	<0.00108	NT	<0.00109	NT	<0.00109	<0.00109	NT	<0.0011	NT	<0.00115	<0.0012
Methylene chloride	0.02	480	94	NL	NL	0.021	mg/kg	<0.00719	NT	<0.00725	NT	<0.00724	<0.00726	NT	<0.00731	NT	<0.00767	<0.00798
MTBE	0.1	NL	560	NL	NL	0.10	mg/kg	<0.000319	NT	<0.000322	NT	<0.000322	<0.000322	NT	<0.000325	NT	<0.000341	<0.000355
Naphthalene	5	1,600	NL	NL	NL	4.5	mg/kg	<0.00338	NT	<0.00341	NT	<0.0034	0.00591 J	NT	<0.00343	NT	<0.0036	<0.00375
Propylbenzene, n-	NL	8,000	NL	NL	NL	16	mg/kg	<0.00128	NT	&								

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB27										
Laboratory Identification							L1161924-44	L1165628-34	L1161924-45	L1165628-35	L1161924-46	L1161924-47	L1165628-36	L1161924-48	L1165628-37	L1161924-49	L1161924-50
							11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019
							1 - 2 ft	2 - 3 ft	3 - 4 ft	4 - 6 ft	6 - 8 ft	8 - 9 ft	9 - 10 ft	10 - 11 ft	14 - 15 ft	16 - 17 ft	19 - 20 ft
Sample Date																	
Depth Range																	
SVOCs (Method 8270)																	
Acenaphthene	NL	4,800	NL	NL	98	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Acenaphthylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Anthracene	NL	24,000	NL	NL	2,300	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benz-a-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzidine	NL	240	0.0043	NL	0.000011	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-a-pyrene	0.1	24	0.19	30	3.9	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-b-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-g,h,i-perylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-k-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis (2-chloroethoxy) methane	NL	240		NL	0.21	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis (2-chloroethyl) ether	NL	NL	0.91	NL	0.00022	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis (2-ethyl-hexyl) phthalate	NL	1,600	71	NL	13	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bromophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Butyl benzyl phthalate	NL	16,000	530	NL	13	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chloro-3-methylphenol, 4-(chlorocresol))	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chloronaphthalene, 2-(beta-chloronaphthalene)	NL	6,400		NL	34	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlorophenol, 2-	NL	400	NL	NL	0.47	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlorophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chrysene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dibenz-a,h-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorobenzidine, 3,3-	NL	NL	2.2	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorophenol, 2,4-	NL	240	NL	NL	0.17	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Diethyl phthalate	NL	64,000	NL	NL	72	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dimethyl phenol, 2,4-	NL	1,600	NL	NL	1.3	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dimethylphthalate	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Di-n-butyl phthalate	NL	NL	NL	200	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dinitro-2-methylphenol, 4,6-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dinitrophenol, 2,4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dinitrotoluene, 2,4-	NL	160	3.2	NL	0.0017	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dinitrotoluene, 2,6-	NL	24	0.67	NL	0.00031	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Di-n-octyl phthalate	NL	800	NL	NL	270,000	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluoranthene	NL	3,200	NL	NL	630	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluorene	NL	3,200	NL	NL	100	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorobenzene	NL	160	0.63	31	0.88	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclopentadiene	NL	480	NL	NL	190	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachloroethane	NL	56	25	NL	0.043	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Indeno-1,2,3-cd-pyrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Isophorone	NL	16,000	1100	NL	0.23	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nitrobenzene	NL	160	NL	NL	0.1	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nitrophenol, 2-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nitrophenol, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nitrosodimethylamine, N-	NL	0.64	0.02	NL	0.0000038	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nitrosodi-n-propylamine, N-	NL	NL	0.14	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nitrosodiphenylamine, N-	NL	NL	200	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Pentachlorophenol	NL	400	2.5	11	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phenanthrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phenol	NL	24,000	NL	NL	11	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Pyrene	NL	2,400	NL	NL	650	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichlorophenol, 2,4,6-	NL	80	91	NL	0.046	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
PAHs (Method 8270)																	
Acenaphthene	NL	4,800	NL	NL	98	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Acenaphthylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Anthracene	NL	24,000	NL	NL	2,300	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benz-a-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-a-pyrene	0.1	24	0.19	30	3.9	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-b-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-g,h,i-perylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-k-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chloronaphthalene, 2-(beta-chloronaphthalene)	NL	6,400	NL	NL	34	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chrysene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dibenz-a,h-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluoranthene	NL	3,200	NL	NL	630	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluorene	NL	3,200	NL	NL	100	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Indeno-1,2,3-cd-pyrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methylnaphthalene, 1-	NL	5600	34	NL	0.082	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methylnaphthalene, 2-	NL	320	NL	NL	1.7	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phenanthrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Pyrene	NL	2,400	NL	NL	650	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
PCBs (Method 8082)																	
Aroclor 1016	NL	5.6	14.00	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1221	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1232	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1242	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1248	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1254	NL	1.6	0.50	NL	0.71	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1260	NL	NL	0.50	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB28							SB29							
Laboratory Identification							L1161924-51	L1161924-52	L1161924-53	L1161924-54	L1161924-55	L1161924-56	L1161924-57	L1161924-58	L1161924-59	L1161924-60	L1161924-61	L1161924-62	L1161924-63	L1161924-64	
Sample Date							11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	
Depth Range							0 - 1 ft	2 - 3 ft	4 - 6 ft	8 - 9 ft	11 - 12 ft	16 - 17 ft	19 - 20 ft	1 - 2 ft	3 - 4 ft	6 - 8 ft	9 - 10 ft	11 - 12 ft	16 - 17 ft	19 - 20 ft	
Hydrocarbon																					
Gasoline range organics(Benzene Present)	30	NL	NL	200	NL	mg/kg	<0.91	--	--	<0.941	--	--	<0.988	--	--	--	--	--	<1.03	--	
Gasoline range organics (Benzene NonDetect)	100	NL	NL	200	NL	mg/kg	--	<0.939	<0.936	--	<0.965	<0.926	--	<0.928	<0.925	<0.969	<0.988	<0.986	--	<1.31	
Diesel range organics	2000	NL	NL	460	NL	mg/kg	<71.4	77.0 J	<73.4	<14.8	<75.7	<14.5	2.85 J	2.85 J	<7.26	3.29 J	9.99	5.26	112	25.2 J	
Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	220 J	252 J	<184	293	299 J	288	42.5	45.3	123	18.5	31.1	20.9	753	185	
Total Diesel/Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	255.7	329	128.7	300.4	336.85	295.25	45.35	48.15	126.63	21.79	41.09	26.16	865	210.2	
Metals																					
Arsenic	20	24	0.67	20	2.9	mg/kg	3.91	4.42	3.39	2.64	2.77	3.3	4.85	2.74	2.32	2.93	3.66	3.68	4.5	3	
Barium	NL	16000	NL	1250	1600	mg/kg	62.8	66	60.9	67.7	57.9	62.4	86.4	61.5	49.1	108	99.4	106	124	100	
Cadmium	2	80	NL	25	0.69	mg/kg	0.2110 J	0.2130 J	0.1620 J	0.2290 J	0.2130 J	0.1920 J	0.2290 J	0.1480 J	0.1530 J	0.22 J	0.1930 J	0.1720 J	0.5770 J	0.3050 J	
Lead	250	NL	NL	220	3000	mg/kg	32.2	46.8	31	33.6	29.6	31	4.53	6.28	6.93	5.63	7.13	44.3	20.2	20.2	
Mercury	2	NL	NL	9	2.1	mg/kg	0.0328	0.0195 J	0.02040 J	0.02220 J	0.02130 J	0.01970 J	0.0396	0.02230 J	0.02120 J	0.0395	0.036	0.03160 J	0.102	0.0874	
Selenium	NL	400	NL	0.8	5.2	mg/kg	<0.666	<0.687	<0.685	<0.688	<0.706	<0.677	<0.723	<0.679	<0.677	<0.709	<0.722	<0.721	<0.756	<0.755	
Silver	NL	400	NL	NL	14	mg/kg	<0.129	<0.133	<0.132	<0.133	<0.137	<0.131	<0.14	<0.131	<0.131	<0.137	<0.14	<0.14	<0.146	<0.146	
Total Chromium	NL	NL	NL	42	NL	mg/kg	29.9	23.3	20.5	22.3	23.5	34.8	33.9	22.5	18.3	30.6	32.8	32.3	33	34.6	
Chromium,Hexavalent	19	240	NL	NL	18.00	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chromium,Trivalent	2000	120000	NL	NL	480000	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Other																					
% Moisture	NL	NL	NL	NL	NL	%	93.1	90.2	90.6	90.1	87.9	91.5	85.7	91.3	91.6	87.5	85.8	86	82	82.1	
pH	NL	NL	NL	NL	NL	s.u.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Herbicides (Method 8151)																					
4-(chloro-2-methylphenoxy) acetic acid	NL	40	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dalapon, sodium salt	NL	2400	NL	NL	0.81	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dicamba	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichlorophenoxy, 2,4- butyric acid, 4-(db,2,4-)	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichlorophenoxyacetic acid, 2,4-	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloroprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dinoseb	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
TP Silvex, 2,4,5-	NL	640	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichlorophenoxyacetic acid, 2,4,5-	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Organophosphate Pesticides (Method 8141)																					
Azinphos-methyl	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chlorpyrifos	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Coumaphos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Demeton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Diazinon	NL	56	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichlorvos	NL	40.00	3.40	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dimethoate	NL	180	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Disulfoton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
EPN (ethyl p-nitrophenyl phenylphosphorothioate)	NL	0.8	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Ethoprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Fensulfotion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Fenthion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
lindane	0.01	24.00	0.91	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Malathion	NL	1600	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
MCPPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Merphos	NL	2.4	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Methyl parathion	NL	20	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Naled	NL	160	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Parathion	NL	480	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Phorate	NL	16	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Phosdrin (mevinphos)	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Prothiofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Ronnel	NL	4000	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Sulprofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
TEPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Tetrachlorvinphos	NL	2400	42	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichloronate	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
OrganoChlorine Pesticides (Method 8081)																					
Aldrin	NL	2.4	0.059	0.17	0.0025	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chlordane	NL	NL	NL	1	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
DDD	NL	2.4	4.20	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
DDE	NL	24	2.90	NL	0.45	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
DDT	3	40.00	2.90	NL	3.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dieldrin	NL	4	0.063	0.17	0.0028	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Endosulfan I	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Endosulfan II	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Endosulfan sulfate	NL	480	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Endrin	NL	24	NL	0.4	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Endrin aldehyde	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Endrin ketone	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Heptachlor	NL	40	0.22	NL	0.038	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Heptachlor epoxide	NL	1	0.11	NL	0.08	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Hexachlorocyclohexane, alpha	NL	640	0.16	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Hexachlorocyclohexane, beta	NL	NL	0.56	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Hexachlorocyclohexane, delta	NL	NL	0.56	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Methoxychlor	NL	400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Tetraethyl dithiopyrophosphate	NL	40	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Toxaphene	NL	7.2	0.91	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB28							SB29						
							L1161924-51	L1161924-52	L1161924-53	L1161924-54	L1161924-55	L1161924-56	L1161924-57	L1161924-58	L1161924-59	L1161924-60	L1161924-61	L1161924-62	L1161924-63	L1161924-64
							11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019
Depth Range							0 - 1 ft	2 - 3 ft	4 - 6 ft	8 - 9 ft	11 - 12 ft	16 - 17 ft	19 - 20 ft	1 - 2 ft	3 - 4 ft	6 - 8 ft	9 - 10 ft	11 - 12 ft	16 - 17 ft	19 - 20 ft
VOAs																				
Acetone	NL	72000	NL	NL	29	mg/kg	<0.0147	<0.0152	<0.0151	<0.0152	<0.0156	<0.015	<0.016	<0.015	<0.015	0.0368	0.021 J	<0.0159	<0.0167	<0.0167
Acrylonitrile	NL	NL	NL	NL	NL	mg/kg	<0.00204	<0.00211	<0.0021	<0.00211	<0.00216	<0.00208	<0.00222	<0.00208	<0.00207	<0.00217	<0.00221	<0.00221	<0.00232	<0.00232
Benzene	0.03	320	18	NL	0.027	mg/kg	0.00043 J	<0.000443	<0.000442	0.000575 J	<0.000455	<0.000437	0.000556 J	<0.000438	<0.000437	<0.000457	<0.000466	<0.000465	0.000794 J	<0.000487
Bromobenzene	NL	640	NL	NL	0.56	mg/kg	<0.00113	<0.00116	<0.00116	<0.00117	<0.0012	<0.00115	<0.00122	<0.00115	<0.00115	<0.0012	<0.00122	<0.00122	<0.00128	<0.00128
Bromodichloromethane	NL	1,600	16	NL	0.036	mg/kg	<0.000846	<0.000873	<0.00087	<0.000875	<0.000897	<0.000861	<0.000919	<0.000863	<0.00086	<0.000901	<0.000918	<0.000917	<0.000961	<0.00096
Bromoforn	NL	1,600	130	NL	0.36	mg/kg	<0.00642	<0.00663	<0.0066	<0.00664	<0.00681	<0.00653	<0.00697	<0.00655	<0.00653	<0.00683	<0.00697	<0.00696	<0.00729	<0.00729
Bromomethane	NL	110	NL	NL	0.05	mg/kg	<0.00397	<0.0041	<0.00409	<0.00411	<0.00421	<0.00404	<0.00432	<0.00405	<0.00404	<0.00423	<0.00431	<0.0043	<0.00451	<0.00451
Butylbenzene, n-	NL	4,000	NL	NL	14	mg/kg	<0.00412	<0.00426	<0.00424	<0.00426	<0.00437	<0.0042	<0.00448	<0.0042	<0.00419	<0.00439	<0.00447	<0.00447	<0.00468	<0.00468
Butylbenzene, sec-	NL	8,000	NL	NL	25	mg/kg	<0.00272	<0.0028	<0.00279	<0.00281	<0.00288	<0.00276	<0.00295	<0.00277	<0.00276	<0.00289	<0.00295	<0.00294	<0.00309	<0.00308
Butylbenzene, tert-	NL	8,000	NL	NL	20	mg/kg	<0.00166	<0.00172	<0.00171	<0.00172	<0.00176	<0.00169	<0.00181	<0.0017	<0.00169	<0.00177	<0.00181	<0.0018	<0.00189	<0.00189
Carbon tetrachloride	NL	320	14	NL	0.042	mg/kg	<0.00116	<0.0012	<0.00119	<0.0012	<0.00123	<0.00118	<0.00126	<0.00118	<0.00118	<0.00123	<0.00126	<0.00126	<0.00132	<0.00132
Chlorobenzene	NL	1,800	NL	NL	0.86	mg/kg	<0.000615	<0.000635	<0.000633	<0.000636	<0.000652	<0.000626	<0.000668	<0.000627	<0.000625	<0.000655	<0.000668	<0.000667	<0.000699	<0.000698
Chloroethane (ethyl chloride)	NL	NL	NL	NL	NL	mg/kg	<0.00116	<0.0012	<0.00119	<0.0012	<0.00123	<0.00118	<0.00126	<0.00118	<0.00118	<0.00123	<0.00126	<0.00126	<0.00132	<0.00132
Chloroform	NL	800	32	NL	0.074	mg/kg	<0.000446	<0.00046	<0.000458	<0.000461	<0.000472	<0.000453	<0.000484	<0.000454	<0.000453	<0.000474	0.000534 J	<0.000483	<0.000506	<0.000506
Chloromethane	NL	NL	NL	NL	NL	mg/kg	<0.00149	<0.00154	<0.00153	<0.00154	<0.00158	<0.00152	<0.00162	<0.00152	<0.00159	<0.00162	<0.00162	<0.00162	<0.0017	<0.00169
Chlorotoluene, o-	NL	1600	NL	NL	1.9	mg/kg	<0.000988	<0.00102	<0.00102	<0.00102	<0.00105	<0.00101	<0.00107	<0.00101	<0.001	<0.00105	<0.00107	<0.00107	<0.00112	<0.00112
Chlorotoluene, p-	NL	NL	NL	NL	NL	mg/kg	<0.00121	<0.00125	<0.00125	<0.00125	<0.00129	<0.00123	<0.00132	<0.00124	<0.00123	<0.00129	<0.00132	<0.00131	<0.00138	<0.00138
Cumene	NL	8,000	NL	NL	15	mg/kg	<0.000927	<0.000956	<0.000953	<0.000958	<0.000982	<0.000943	<0.00101	<0.000945	<0.000942	<0.000942	<0.00101	<0.001	<0.00105	<0.00105
Cymene	NL	NL	NL	NL	NL	mg/kg	<0.0025	<0.00258	<0.00257	<0.00259	<0.00265	<0.00255	<0.00272	<0.00255	<0.00254	0.0113	0.0132	0.0104	0.0132	<0.00284
Dibromo-3-chloropropane, 1,2-	NL	16	1.3	NL	0.0013	mg/kg	<0.00548	<0.00565	<0.00563	<0.00566	<0.00581	<0.00557	<0.00595	<0.00558	<0.00557	<0.00583	<0.00594	<0.00593	<0.00622	<0.00621
Dibromochloromethane	NL	1,600	12	NL	0.028	mg/kg	<0.000483	<0.000499	<0.000497	<0.0005	<0.000512	<0.000492	<0.000525	<0.000493	<0.000491	<0.000514	<0.000524	<0.000523	<0.000549	<0.000548
Dichlorobenzene, 1,2-	NL	7,200	NL	NL	7	mg/kg	<0.00156	<0.00161	<0.0016	<0.00161	<0.00165	<0.00158	<0.00169	<0.00159	<0.00158	<0.00166	<0.00169	<0.00169	<0.00177	<0.00177
Dichlorobenzene, 1,3-	NL	NL	NL	NL	NL	mg/kg	<0.00183	<0.00188	<0.00188	<0.00189	<0.00194	<0.00186	<0.00198	<0.00186	<0.00186	<0.00194	<0.00198	<0.00198	<0.00207	<0.00207
Dichlorobenzene, 1,4-	NL	5,600	190	NL	1.2	mg/kg	<0.00212	<0.00218	<0.00218	<0.00219	<0.00224	<0.00215	<0.0023	<0.00216	<0.00215	<0.00225	<0.0023	<0.00229	<0.0024	<0.0024
Dichlorodifluoromethane	NL	16,000	NL	NL	38	mg/kg	<0.000878	<0.000907	<0.000903	<0.000908	<0.000931	<0.000894	<0.000954	<0.000895	<0.000893	<0.000935	<0.000953	<0.000952	<0.000998	<0.000997
Dichloroethane, 1,1-	NL	16,000	180	NL	0.041	mg/kg	<0.000617	<0.000637	<0.000635	<0.000638	<0.000654	<0.000628	<0.000671	<0.000629	<0.000628	<0.000657	<0.000657	<0.000669	<0.000701	<0.000701
Dichloroethane, 1,2-	NL	480	11	NL	0.023	mg/kg	<0.00051	<0.000526	<0.000524	<0.000527	<0.000541	<0.000519	<0.000554	<0.000519	<0.000554	<0.000518	<0.000543	0.000868 J	<0.000553	<0.000579
Dichloroethylene, 1,1-	NL	4,000	NL	NL	0.046	mg/kg	<0.000537	<0.000554	<0.000552	<0.000555	<0.000569	<0.000546	<0.000583	<0.000547	<0.000546	<0.000571	<0.000583	<0.000582	<0.00061	<0.000609
Dichloroethylene, cis-1,2-	NL	160	NL	NL	0.078	mg/kg	<0.000741	<0.000765	<0.000762	<0.000766	<0.000785	<0.000754	<0.000805	<0.000755	<0.000753	<0.000789	<0.000804	<0.000803	<0.000842	<0.000841
Dichloroethylene, trans-1,2	NL	1,600	NL	NL	0.52	mg/kg	<0.00154	<0.00158	<0.00158	<0.00159	<0.00163	<0.00156	<0.00167	<0.00157	<0.00156	<0.00163	<0.00167	<0.00166	<0.00174	<0.00174
Dichloropropane, 1,2-	NL	3,200	27	NL	0.025	mg/kg	<0.00136	<0.00141	<0.0014	<0.00141	<0.00145	<0.00139	<0.00148	<0.00139	<0.00139	<0.00145	<0.00148	<0.00148	<0.00155	<0.00155
Dichloropropane, 1,3-	NL	1,600	NL	NL	0.88	mg/kg	<0.00188	<0.00194	<0.00193	<0.00194	<0.00199	<0.00191	<0.00204	<0.00192	<0.00191	<0.002	<0.00204	<0.00204	<0.00213	<0.00213
Dichloropropane, 2,2-	NL	NL	NL	NL	NL	mg/kg	<0.000852	<0.000879	<0.000876	<0.00088	<0.000903	<0.000866	<0.000925	<0.000868	<0.000866	<0.000906	<0.000924	<0.000923	<0.000967	<0.000966
Dichloropropene, 1,1-	NL	NL	NL	NL	NL	mg/kg	<0.000752	<0.000776	<0.000773	<0.000777	<0.000797	<0.000765	<0.000816	<0.000766	<0.000764	<0.0008	<0.000816	<0.000814	<0.000854	<0.000853
Dichloropropene, cis 1,3-	NL	NL	NL	NL	NL	mg/kg	<0.000728	<0.000751	<0.000749	<0.000753	<0.000772	<0.000741	<0.000791	<0.000742	<0.00074	<0.000775	<0.000779	<0.000789	<0.000827	<0.000826
Dichloropropene, trans 1,3-	NL	NL	NL	NL	NL	mg/kg	<0.00164	<0.0017	<0.00169	<0.0017	<0.00174	<0.00167	<0.00178	<0.00167	<0.00167	<0.00175	<0.00178	<0.00178	<0.00187	<0.00186
Diisopropyl ether	NL	NL	NL	NL	NL	mg/kg	<0.000376	<0.000388	<0.000386	<0.000389	<0.000398	<0.000382	<0.000408	<0.000383	<0.000382	<0.0004	<0.000408	<0.000407	<0.000427	<0.000426
Ethyl benzene	6	8,000	NL	NL	5.9	mg/kg	0.000865 J	<0.000587	<0.000585	<0.000588	<0.000603	<0.000579	<0.000618	<0.00058	<0.000578	<0.000606	<0.000618	<0.000617	<0.000646	<0.000646
Ethylene dibromide	0.005	720	0.5	NL	0.00027	mg/kg	<0.000564	<0.000582	<0.00058	<0.000583	<0.000598	<0.000574	<0.000612	<0.000575	<0.000573	<0.0006	<0.000612	<0.000611	<0.00064	<0.00064
Hexachlorobutadiene	NL	80	13.00	NL	0.60	mg/kg	<0.0136	<0.0141	<0.014	<0.0141	<0.0145	<0.0139	<0.0148	<0.0139	<0.0139	<0.0145	<0.0148	<0.0148	<0.0155	<0.0155
Methyl ethyl ketone	NL	48,000	NL	NL	20	mg/kg	0.0212 B J	0.0235 B J	0.0176 B J	0.0379 B	0.0254 B J	0.0232 B J	0.0187 B J	0.0186 B J	0.0230 B J	0.0246 B J	0.0165 B J	<0.0145	<0.0152	<0.0152
Methyl isobutyl ketone	NL	6,400	NL	NL	2.7	mg/kg	<0.0107	<0.0111	<0.011	<0.0111	<0.0114	<0.0109	<0.0117	<0.0109	<0.0109	<0.0114	<0.0117	<0.0116	<0.0122	<0.0122
Methylene bromide	NL	800	NL	NL	0.36	mg/kg	<0.00107	<0.00111	<0.0011	<0.00111	<0.00114	<0.00109	<0.00117	<0.00109	<0.00109	<0.00114	<0.00117	<0.00116	<0.00122	&

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SOIL ANALYTICAL RESULTS
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Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB28							SB29						
Laboratory Identification							L1161924-51	L1161924-52	L1161924-53	L1161924-54	L1161924-55	L1161924-56	L1161924-57	L1161924-58	L1161924-59	L1161924-60	L1161924-61	L1161924-62	L1161924-63	L1161924-64
Sample Date							11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019
Depth Range							0 - 1 ft	2 - 3 ft	4 - 6 ft	8 - 9 ft	11 - 12 ft	16 - 17 ft	19 - 20 ft	1 - 2 ft	3 - 4 ft	6 - 8 ft	9 - 10 ft	11 - 12 ft	16 - 17 ft	19 - 20 ft
SVOCs (Method 8270)																				
Acenaphthene	NL	4,800	NL	NL	98	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Acenaphthylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Anthracene	NL	24,000	NL	NL	2,300	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benz-a-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzidine	NL	240	0.0043	NL	0.000011	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-a-pyrene	0.1	24	0.19	30	3.9	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-b-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-g,h,i-perylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-k-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis (2-chloroethoxy) methane	NL	240	NL	NL	0.21	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis (2-chloroethyl) ether	NL	NL	0.91	NL	0.00022	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis (2-ethyl-hexyl) phthalate	NL	1,600	71	NL	13	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bromophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Butyl benzyl phthalate	NL	16,000	530	NL	13	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chloro-3-methylphenol, 4- (chlorocresol))	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chloronaphthalene, 2- (beta-chloronaphthalene)	NL	6,400	NL	NL	34	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlorophenol, 2-	NL	400	NL	NL	0.47	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlorophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chrysene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dibenz-a,h-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorobenzidine, 3,3-	NL	NL	2.2	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorophenol, 2,4-	NL	240	NL	NL	0.17	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Diethyl phthalate	NL	64,000	NL	NL	72	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dimethyl phenol, 2,4-	NL	1,600	NL	NL	1.3	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dimethylphthalate	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Di-n-butyl phthalate	NL	NL	NL	200	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dinitro-2-methylphenol, 4,6-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dinitrophenol, 2,4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dinitrotoluene, 2,4-	NL	160	3.2	NL	0.0017	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dinitrotoluene, 2,6-	NL	24	0.67	NL	0.00031	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Di-n-octyl phthalate	NL	800	NL	NL	270,000	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluoranthene	NL	3,200	NL	NL	630	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluorene	NL	3,200	NL	NL	100	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorobenzene	NL	160	0.63	31	0.88	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclopentadiene	NL	480	NL	NL	190	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachloroethane	NL	56	25	NL	0.043	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Indeno-1,2,3-cd-pyrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Isophorone	NL	16,000	1100	NL	0.23	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nitrobenzene	NL	160	NL	NL	0.1	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nitrophenol, 2-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nitrophenol, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nitrosodimethylamine, N-	NL	0.64	0.02	NL	0.0000038	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nitrosodi-n-propylamine, N-	NL	NL	0.14	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nitrosodiphenylamine, N-	NL	NL	200	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Pentachlorophenol	NL	400	2.5	11	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phenanthrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phenol	NL	24,000	NL	NL	11	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Pyrene	NL	2,400	NL	NL	650	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichlorophenol, 2,4,6-	NL	80	91	NL	0.046	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
PAHs (Method 8270)																				
Acenaphthene	NL	4,800	NL	NL	98	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Acenaphthylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Anthracene	NL	24,000	NL	NL	2,300	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benz-a-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-a-pyrene	0.1	24	0.19	30	3.9	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-b-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-g,h,i-perylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-k-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chloronaphthalene, 2- (beta-chloronaphthalene)	NL	6,400	NL	NL	34	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chrysene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dibenz-a,h-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluoranthene	NL	3,200	NL	NL	630	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluorene	NL	3,200	NL	NL	100	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Indeno-1,2,3-cd-pyrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methylnaphthalene, 1-	NL	5600	34	NL	0.082	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methylnaphthalene, 2-	NL	320	NL	NL	1.7	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Naphtthalene	5	1,600	NL	NL	4.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phenanthrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Pyrene	NL	2,400	NL	NL	650	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
PCBs (Method 8082)																				
Aroclor 1016	NL	5.6	14.00	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1221	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1232	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1242	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1248	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1254	NL	1.6	0.50	NL	0.71	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1260	NL	NL	0.50	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB30						SB31					
							L1161924-65	L1161924-66	L1161924-67	L1161924-68	L1165628-39	L1165628-40	L1161924-69	L1161924-70	L1161924-71	L1161924-72	L1165628-41	L1165628-42
							11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019
Depth Range							0 - 0.5 ft	0.5 - 1 ft	1 - 1.5 ft	1.5 - 2 ft	3 - 3.5 ft	4.5 - 5 ft	0 - 0.5 ft	0.5 - 1 ft	1 - 1.5 ft	1.5 - 2 ft	3 - 3.5 ft	4.5 - 5 ft
Hydrocarbon																		
Gasoline range organics(Benzene Present)	30	NL	NL	200	NL	mg/kg	<0.902	--	--	<0.92	NT	NT	<0.924	--	<0.956	<0.951	NT	NT
Gasoline range organics (Benzene NonDetect	100	NL	NL	200	NL	mg/kg	--	<0.905	<1.36	--	NT	NT	--	<0.952	--	--	NT	NT
Diesel range organics	2000	NL	NL	460	NL	mg/kg	87.5 J	90 J	33.0 J	30.5 J	NT	NT	98.6 J	76.5 J	22 J	165	NT	NT
Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	804	842	233	218	NT	NT	1150	1160	157	642	NT	NT
Total Diesel/Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	891.5	932	266	248.5	NT	NT	1248.6	1236.5	179	807	NT	NT
Metals																		
Arsenic	20	24	0.67	20	2.9	mg/kg	338	291	142	86.9	5.31	13.2	59.3	51.7	125	163	170	56.4
Barium	NL	16000	NL	1250	1600	mg/kg	68.8	71	86.9	87.5	NT	NT	86	71.5	74.4	84	NT	NT
Cadmium	2	80	NL	25	0.69	mg/kg	0.911	0.85	0.4980 J	0.341 J	NT	NT	0.4460 J	0.4110 J	0.986	1.15	1.13	0.296 J
Lead	250	NL	NL	220	3000	mg/kg	301	261	127	74.6	27.5	12	84.5	65.4	143	182	NT	NT
Mercury	2	NL	NL	9	2.1	mg/kg	0.02770 J	0.02500 J	0.028 J	0.0337	NT	NT	0.0333	0.03080 J	0.037	0.03340 J	NT	NT
Selenium	NL	400	NL	0.8	5.2	mg/kg	<0.66	<0.662	<0.663	<0.673	NT	NT	<0.676	<0.697	<0.7	<0.696	NT	NT
Silver	NL	400	NL	NL	14	mg/kg	0.783 J	0.620 J	0.226 J	<0.13	NT	NT	<0.131	<0.135	0.263 J	0.458 J	NT	NT
Total Chromium	NL	NL	NL	42	NL	mg/kg	43.9	37.4	33.3	36.9	31.8	28.7	30.3	27.8	34.1	35.4	NT	NT
Chromium,Hexavalent	19	240	NL	NL	18.00	mg/kg	<0.681	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chromium,Trivalent	2000	120000	NL	NL	480000	mg/kg	43.9	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Other																		
% Moisture	NL	NL	NL	NL	NL	%	93.9	93.7	93.5	92.1	92.1	92.7	91.7	89	88.6	89.1	91.4	93.4
pH	NL	NL	NL	NL	NL	s.u.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Herbicides (Method 8151)																		
4-(chloro-2-methylphenoxy) acetic acid	NL	40	NL	NL	NL	mg/kg	<0.472	<0.473	<0.474	<0.481	NT	NT	<0.483	<0.498	<0.5	<0.497	NT	NT
Dalapon, sodium salt	NL	2400	NL	NL	0.81	mg/kg	<0.012	<0.0121	<0.0121	<0.0123	NT	NT	<0.0123	<0.0127	<0.0127	<0.0127	NT	NT
Dicamba	NL	2400	NL	NL	NL	mg/kg	<0.0167	<0.0168	<0.0168	<0.017	NT	NT	<0.0171	<0.0176	<0.0177	<0.0176	NT	NT
Dichlorophenoxy, 2,4- butyric acid, 4-(db,2,4-)	NL	2400	NL	NL	NL	mg/kg	<0.0316	<0.0317	<0.0318	<0.0323	NT	NT	<0.0324	<0.0334	<0.0335	<0.0333	NT	NT
Dichlorophenoxyacetic acid, 2,4-	NL	800	NL	NL	NL	mg/kg	<0.00747	<0.0075	<0.00751	<0.00762	NT	NT	<0.00766	<0.00789	<0.00792	<0.00788	NT	NT
Dichloroprop	NL	NL	NL	NL	NL	mg/kg	<0.0261	<0.0262	<0.0262	<0.0266	NT	NT	<0.0267	<0.0275	<0.0276	<0.0275	NT	NT
Dinoseb	NL	80	NL	NL	NL	mg/kg	<0.00742	<0.00744	<0.00746	<0.00757	NT	NT	<0.0076	<0.00783	<0.00786	<0.00782	NT	NT
TP Silvex, 2,4,5-	NL	640	NL	NL	NL	mg/kg	<0.0114	<0.0114	<0.0114	<0.0116	NT	NT	<0.0117	<0.012	<0.0121	<0.012	NT	NT
Trichlorophenoxyacetic acid, 2,4,5-	NL	800	NL	NL	NL	mg/kg	<0.00907	<0.0091	<0.00911	<0.00925	NT	NT	<0.00929	<0.00957	<0.00961	<0.00956	NT	NT
Organophosphate Pesticides (Method 8141)																		
Azinphos-methyl	NL	NL	NL	NL	NL	mg/kg	<0.0805	<0.0807	<0.00404	<0.0041	NT	NT	<0.00412	<0.00425	<0.00426	<0.00424	NT	NT
Chlorpyrifos	NL	80	NL	NL	NL	mg/kg	<0.197	<0.197	<0.00987	<0.01	NT	NT	<0.0101	<0.0104	<0.0104	<0.0104	NT	NT
Coumaphos	NL	NL	NL	NL	NL	mg/kg	<0.145	<0.145	<0.00727	<0.00738	NT	NT	<0.00742	<0.00764	<0.00767	<0.00763	NT	NT
Demeton	NL	3.2	NL	NL	NL	mg/kg	<0.0722	<0.0724	<0.00363	<0.00368	NT	NT	<0.0037	<0.00381	<0.00382	<0.00381	NT	NT
Diazinon	NL	56	NL	NL	NL	mg/kg	<0.0952	<0.0955	<0.00478	<0.00485	NT	NT	<0.00488	<0.00502	<0.00504	<0.00502	NT	NT
Dichlorvos	NL	40.00	3.40	NL	NL	mg/kg	<0.206	<0.207	<0.0104	<0.0105	NT	NT	<0.0106	<0.0109	<0.0109	<0.0109	NT	NT
Dimethoate	NL	180	NL	NL	NL	mg/kg	<0.422	<0.423	<0.0212	<0.0215	NT	NT	<0.0216	<0.0222	<0.0223	<0.0222	NT	NT
Disulfoton	NL	3.2	NL	NL	NL	mg/kg	<0.106	<0.106	<0.00533	<0.00541	NT	NT	<0.00543	<0.00559	<0.00562	<0.00559	NT	NT
EPN (ethyl p-nitrophenyl phenylphosphorothioate)	NL	0.8	NL	NL	NL	mg/kg	<0.109	<0.109	<0.00548	<0.00556	NT	NT	<0.00559	<0.00575	<0.00578	<0.00575	NT	NT
Ethoprop	NL	NL	NL	NL	NL	mg/kg	<0.099	<0.0993	<0.00497	<0.00505	NT	NT	<0.00507	<0.00522	<0.00525	<0.00522	NT	NT
Fensulfothion	NL	NL	NL	NL	NL	mg/kg	<0.36	<0.361	<0.0181	<0.0184	NT	NT	<0.0184	<0.019	<0.0191	<0.019	NT	NT
Fenthion	NL	NL	NL	NL	NL	mg/kg	<0.129	<0.13	<0.0065	<0.0066	NT	NT	<0.00663	<0.00683	<0.00686	<0.00683	NT	NT
lindane	0.01	24.00	0.91	NL	NL	mg/kg	<0.149	<0.149	<0.00749	<0.0076	NT	NT	<0.00764	<0.00786	<0.0079	<0.00786	NT	NT
Malathion	NL	1600	NL	NL	NL	mg/kg	<0.391	<0.392	<0.393	<0.399	NT	NT	<0.4	<0.412	<0.414	<0.412	NT	NT
MCPP	NL	NL	NL	NL	NL	mg/kg	<0.115	<0.115	<0.00577	<0.00585	NT	NT	<0.00588	<0.00606	<0.00608	<0.00605	NT	NT
Merphos	NL	2.4	NL	NL	NL	mg/kg	<0.142	<0.143	<0.00716	<0.00727	NT	NT	<0.0073	<0.00752	<0.00755	<0.00751	NT	NT
Methyl parathion	NL	20	NL	NL	NL	mg/kg	<0.089	<0.0893	<0.00447	<0.00454	NT	NT	<0.00456	<0.0047	<0.00472	<0.00469	NT	NT
Naled	NL	160	NL	NL	NL	mg/kg	<0.122	<0.122	<0.00611	<0.0062	NT	NT	<0.00623	<0.00641	<0.00644	<0.00641	NT	NT
Parathion	NL	480	NL	NL	NL	mg/kg	<0.1	<0.101	<0.00504	<0.00511	NT	NT	<0.00514	<0.00529	<0.00531	<0.00529	NT	NT
Phorate	NL	16	NL	NL	NL	mg/kg	<0.217	<0.218	<0.0109	<0.0111	NT	NT	<0.0111	<0.0115	<0.0115	<0.0115	NT	NT
Phosdrin (mevinphos)	NL	NL	NL	NL	NL	mg/kg	<0.129	<0.129	<0.00646	<0.00656	NT	NT	<0.00659	<0.00679	<0.00681	<0.00678	NT	NT
Prothiofos	NL	NL	NL	NL	NL	mg/kg	<0.093	<0.0933	<0.00468	<0.00475	NT	NT	<0.00477	<0.00491	<0.00493	<0.00491	NT	NT
Ronnel	NL	4000	NL	NL	NL	mg/kg	<0.118	<0.118	<0.00593	<0.00602	NT	NT	<0.00604	<0.00622	<0.00625	<0.00622	NT	NT
Sulprofos	NL	NL	NL	NL	NL	mg/kg	<3.34	<3.35	<0.168	<0.17	NT	NT	<0.171	<0.176	<0.177	<0.176	NT	NT
TEPP	NL	NL	NL	NL	NL	mg/kg	<0.114	<0.115	<0.00574	<0.00583	NT	NT	<0.00586	<0.00603	<0.00606	<0.00603	NT	NT
Tetrachlorvinphos	NL	2400	42	NL	NL	mg/kg	<0.0822	<0.0824	<0.00413	<0.00419	NT	NT	<0.00421	<0.00434	<0.00436	<0.00433	NT	NT
Trichloronate	NL	NL	NL	NL	NL	mg/kg	<0.141	<0.142	<0.0071	<0.00721	NT	NT	<0.00724	<0.00746	<0.00749	<0.00745	NT	NT
OrganoChlorine Pesticides (Method 8081)																		
Aldrin	NL	2.4	0.059	0.17	0.0025	mg/kg	<0.00144	<0.00144	<0.00144	<0.00147	<0.00147	<0.00146	<0.00147	<0.00152	<0.00152	<0.00152	<0.00148	<0.00144
Chlordane	NL	NL	NL	1	NL	mg/kg	<0.0415	<0.0416	<0.0417	<0.0424	<0.0423	<0.0421	<0.0425	<0.0438	<0.044	<0.0438	<0.0427	<0.0417
DDD	NL	2.4	4.20	NL	NL	mg/kg	<0.00166	<0.00167	<0.00167	<0.00169	<0.00169	<0.00168	<0.0017	<0.00175	<0.00176	<0.00175	<0.00171	<0.00167
DDE	NL	24	2.90	NL	0.45	mg/kg	<0.00164	<0.00164	<0.00165	<0.00167	<0.00167	<0.00166	<0.00168	<0.00173	<0.00174	<0.00173	<0.00168	<0.00165
DDT	3	40.00	2.90	NL	3.5	mg/kg	<0.00213	<0.00214	<0.00214	<0.00217	0.00432 J	<0.00216	<0.00218	<0.00225	<0.00226	<0.00225	<0.00219	<0.00

Table #1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB30						SB31					
Laboratory Identification							L1161924-65	L1161924-66	L1161924-67	L1161924-68	L1165628-39	L1165628-40	L1161924-69	L1161924-70	L1161924-71	L1161924-72	L1165628-41	L1165628-42
Sample Date							11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019
Depth Range							0 - 0.5 ft	0.5 - 1 ft	1 - 1.5 ft	1.5 - 2 ft	3 - 3.5 ft	4.5 - 5 ft	0 - 0.5 ft	0.5 - 1 ft	1 - 1.5 ft	1.5 - 2 ft	3 - 3.5 ft	4.5 - 5 ft
VOAs																		
Acetone	NL	72000	NL	NL	29	mg/kg	<0.0146	<0.0146	<0.0155	<0.0149	NT	NT	0.0296	<0.0154	<0.0178	<0.0154	NT	NT
Acrylonitrile	NL	NL	NL	NL	NL	mg/kg	<0.00202	<0.00203	<0.00215	<0.00206	NT	NT	<0.00207	<0.00213	<0.00247	<0.00213	NT	NT
Benzene	0.03	320	18	NL	0.027	mg/kg	0.00111	0.00211	<0.000454	0.000887 J	NT	NT	0.001050 J	0.00208	0.00168	0.00174	NT	NT
Bromobenzene	NL	640	NL	NL	0.56	mg/kg	<0.00112	<0.00112	<0.00119	<0.00114	NT	NT	<0.00115	<0.00118	<0.00136	<0.00118	NT	NT
Bromodichloromethane	NL	1,600	16	NL	0.036	mg/kg	<0.000839	<0.000841	<0.000894	<0.000856	NT	NT	<0.00086	<0.000885	<0.00102	<0.000885	NT	NT
Bromoform	NL	1,600	130	NL	0.36	mg/kg	<0.00637	<0.00638	<0.00678	<0.00649	NT	NT	<0.00652	<0.00672	<0.00776	<0.00671	NT	NT
Bromomethane	NL	110	NL	NL	0.05	mg/kg	<0.00394	<0.00395	<0.0042	<0.00402	NT	NT	<0.00404	<0.00416	<0.0048	<0.00415	NT	NT
Butylbenzene, n-	NL	4,000	NL	NL	14	mg/kg	<0.00409	<0.0041	<0.00435	<0.00417	NT	NT	<0.00419	<0.00431	<0.00498	<0.00431	NT	NT
Butylbenzene, sec-	NL	8,000	NL	NL	25	mg/kg	<0.00269	<0.0027	<0.00287	<0.00275	NT	NT	<0.00276	<0.00284	<0.00328	<0.00284	NT	NT
Butylbenzene, tert-	NL	8,000	NL	NL	20	mg/kg	<0.00165	<0.00165	<0.00176	<0.00168	NT	NT	<0.00169	<0.00174	<0.00201	<0.00174	NT	NT
Carbon tetrachloride	NL	320	14	NL	0.042	mg/kg	<0.00115	<0.00115	<0.00122	<0.00117	NT	NT	<0.00118	<0.00121	<0.0014	<0.00121	NT	NT
Chlorobenzene	NL	1,600	NL	NL	0.86	mg/kg	<0.00061	<0.000612	<0.00065	<0.000622	NT	NT	<0.000625	<0.000644	<0.000743	<0.000643	NT	NT
Chloroethane (ethyl chloride)	NL	NL	NL	NL	NL	mg/kg	<0.00115	<0.00115	<0.00122	<0.00117	NT	NT	<0.00118	<0.00121	<0.0014	<0.00121	NT	NT
Chloroform	NL	800	32	NL	0.074	mg/kg	<0.000442	0.000627 J	<0.000471	<0.000451	NT	NT	<0.000453	<0.000466	<0.000538	<0.000466	NT	NT
Chloromethane	NL	NL	NL	NL	NL	mg/kg	<0.00148	<0.00148	<0.00158	<0.00151	NT	NT	<0.00152	<0.00156	<0.00158	<0.00156	NT	NT
Chlorotoluene, o-	NL	1600	NL	NL	1.9	mg/kg	<0.000979	<0.000982	<0.00104	<0.000999	NT	NT	<0.001	<0.00103	<0.00119	<0.00103	NT	NT
Chlorotoluene, p-	NL	NL	NL	NL	NL	mg/kg	<0.0012	<0.00121	<0.00128	<0.00123	NT	NT	<0.00123	<0.00127	<0.00147	<0.00127	NT	NT
Cumene	NL	8,000	NL	NL	15	mg/kg	<0.000919	<0.000921	<0.000979	<0.000937	NT	NT	<0.000941	<0.00097	<0.00112	<0.000969	NT	NT
Cymene	NL	NL	NL	NL	NL	mg/kg	0.00274 J	0.00253 J	0.00445 J	0.00285 J	NT	NT	0.00289 J	0.00812	0.0106	0.00764	NT	NT
Dibromo-3-chloropropane, 1,2-	NL	16	1.3	NL	0.0013	mg/kg	<0.00543	<0.00545	<0.00578	<0.00554	NT	NT	<0.00556	<0.00573	<0.00662	<0.00573	NT	NT
Dibromochloromethane	NL	1,600	12	NL	0.028	mg/kg	<0.000479	<0.00048	<0.00051	<0.000489	NT	NT	<0.000491	<0.000506	<0.000584	<0.000505	NT	NT
Dichlorobenzene, 1,2-	NL	7,200	NL	NL	7	mg/kg	<0.00154	<0.00155	<0.00164	<0.00157	NT	NT	<0.00158	<0.00163	<0.00188	<0.00163	NT	NT
Dichlorobenzene, 1,3-	NL	NL	NL	NL	NL	mg/kg	<0.00181	<0.00182	<0.00193	<0.00185	NT	NT	<0.00185	<0.00191	<0.00221	<0.00191	NT	NT
Dichlorobenzene, 1,4-	NL	5,600	190	NL	1.2	mg/kg	<0.0021	<0.0021	<0.00223	<0.00214	NT	NT	<0.00215	<0.00221	<0.00256	<0.00221	NT	NT
Dichlorodifluoromethane	NL	16,000	NL	NL	38	mg/kg	<0.000871	<0.000873	<0.000928	<0.000888	NT	NT	<0.000892	<0.000919	<0.00106	<0.000918	NT	NT
Dichloroethane, 1,1-	NL	16,000	180	NL	0.041	mg/kg	<0.000612	<0.000614	<0.000652	<0.000624	NT	NT	<0.000627	<0.000646	<0.000746	<0.000645	NT	NT
Dichloroethane, 1,2-	NL	480	11	NL	0.023	mg/kg	<0.000506	<0.000507	<0.000539	<0.000516	NT	NT	<0.000518	<0.000534	<0.000616	<0.000533	NT	NT
Dichloroethylene, 1,1-	NL	4,000	NL	NL	0.046	mg/kg	<0.000532	<0.000534	<0.000567	<0.000543	NT	NT	<0.000545	<0.000562	<0.000649	<0.000561	NT	NT
Dichloroethylene, cis-1,2-	NL	160	NL	NL	0.078	mg/kg	<0.000735	<0.000737	<0.000782	<0.000749	NT	NT	<0.000753	<0.000775	<0.000895	<0.000775	NT	NT
Dichloroethylene, trans-1,2	NL	1,600	NL	NL	0.52	mg/kg	<0.00152	<0.00153	<0.00162	<0.00155	NT	NT	<0.00156	<0.00161	<0.00186	<0.00161	NT	NT
Dichloropropane, 1,2-	NL	3,200	27	NL	0.025	mg/kg	<0.00135	<0.00136	<0.00144	<0.00138	NT	NT	<0.00139	<0.00143	<0.00165	<0.00143	NT	NT
Dichloropropane, 1,3-	NL	1,600	NL	NL	0.88	mg/kg	<0.00186	<0.00187	<0.00198	<0.0019	NT	NT	<0.00191	<0.00197	<0.00227	<0.00196	NT	NT
Dichloropropane, 2,2-	NL	NL	NL	NL	NL	mg/kg	<0.000844	<0.000847	<0.000899	<0.000861	NT	NT	<0.000865	<0.000891	<0.00103	<0.00089	NT	NT
Dichloropropene, 1,1-	NL	NL	NL	NL	NL	mg/kg	<0.000745	<0.000747	<0.000794	<0.00076	NT	NT	<0.000764	<0.000786	<0.000908	<0.000786	NT	NT
Dichloropropene, cis 1,3-	NL	NL	NL	NL	NL	mg/kg	<0.000722	<0.000724	<0.000769	<0.000736	NT	NT	<0.00074	<0.000762	<0.00088	<0.000761	NT	NT
Dichloropropene, trans 1,3-	NL	NL	NL	NL	NL	mg/kg	<0.00163	<0.00163	<0.00174	<0.00166	NT	NT	<0.00167	<0.00172	<0.00199	<0.00172	NT	NT
Diisopropyl ether	NL	NL	NL	NL	NL	mg/kg	<0.000373	<0.000374	<0.000397	<0.00038	NT	NT	<0.000382	<0.000393	<0.000454	<0.000393	NT	NT
Ethyl benzene	6	8,000	NL	NL	5.9	mg/kg	<0.000564	0.001670 J	<0.000601	<0.000576	NT	NT	0.00675	0.00513	0.00357	0.00356	NT	NT
Ethylene dibromide	0.005	720	0.5	NL	0.00027	mg/kg	<0.000559	<0.000561	<0.000595	<0.00057	NT	NT	<0.000573	<0.00059	<0.000681	<0.000589	NT	NT
Hexachlorobutadiene	NL	80	13.00	NL	0.60	mg/kg	<0.0135	<0.0136	<0.0144	<0.0138	NT	NT	<0.0139	<0.0143	<0.0165	<0.0143	NT	NT
Methyl ethyl ketone	NL	48,000	NL	NL	20	mg/kg	<0.0133	<0.0133	<0.0142	<0.0136	NT	NT	0.0214 B J	0.020 B J	0.0402 B	0.014 B J	NT	NT
Methyl isobutyl ketone	NL	6,400	NL	NL	2.7	mg/kg	<0.0106	<0.0107	<0.0113	<0.0109	NT	NT	<0.0109	<0.0112	<0.013	<0.0112	NT	NT
Methylene bromide	NL	800	NL	NL	0.36	mg/kg	<0.00106	<0.00107	<0.00113	<0.00109	NT	NT	<0.00109	<0.				

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB30						SB31					
Laboratory Identification							L1161924-65	L1161924-66	L1161924-67	L1161924-68	L1165628-39	L1165628-40	L1161924-69	L1161924-70	L1161924-71	L1161924-72	L1165628-41	L1165628-42
Sample Date							11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019	11/14/2019
Depth Range							0 - 0.5 ft	0.5 - 1 ft	1 - 1.5 ft	1.5 - 2 ft	3 - 3.5 ft	4.5 - 5 ft	0 - 0.5 ft	0.5 - 1 ft	1 - 1.5 ft	1.5 - 2 ft	3 - 3.5 ft	4.5 - 5 ft
SVOCs (Method 8270)																		
Acenaphthene	NL	4,800	NL	NL	98	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Acenaphthylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Anthracene	NL	24,000	NL	NL	2,300	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benz-a-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benztidine	NL	240	0.0043	NL	0.000011	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-a-pyrene	0.1	24	0.19	30	3.9	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-b-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NL	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-g,h,i-perylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-k-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis (2-chloroethoxy) methane	NL	240		NL	0.21	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis (2-chloroethyl) ether	NL	NL	0.91	NL	0.00022	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis (2-ethyl-hexyl) phthalate	NL	1,600	71	NL	13	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bromophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Butyl benzyl phthalate	NL	16,000	530	NL	13	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chloro-3-methylphenol, 4- (chlorocresol))	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chloronaphthalene, 2- (beta-chloronaphthalene)	NL	6,400	NL	NL	34	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlorophenol, 2-	NL	400	NL	NL	0.47	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlorophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chrysene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dibenz-a,h-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorobenzidine, 3,3-	NL	NL	2.2	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorophenol, 2,4-	NL	240	NL	NL	0.17	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Diethyl phthalate	NL	64,000	NL	NL	72	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dimethyl phenol, 2,4-	NL	1,600	NL	NL	1.3	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dimethylphthalate	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Di-n-butyl phthalate	NL	NL	NL	200	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dinitro-2-methylphenol, 4,6-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dinitrophenol, 2,4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dinitrotoluene, 2,4-	NL	160	3.2	NL	0.0017	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dinitrotoluene, 2,6-	NL	24	0.67	NL	0.00031	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Di-n-octyl phthalate	NL	800	NL	NL	270,000	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluoranthene	NL	3,200	NL	NL	630	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluorene	NL	3,200	NL	NL	100	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorobenzene	NL	160	0.63	31	0.88	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclopentadiene	NL	480	NL	NL	190	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachloroethane	NL	56	25	NL	0.043	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Indeno-1,2,3-cd-pyrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Isophorone	NL	16,000	1100	NL	0.23	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nitrobenzene	NL	160	NL	NL	0.1	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nitrophenol, 2-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nitrophenol, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nitrosodimethylamine, N-	NL	0.64	0.02	NL	0.0000038	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nitrosodi-n-propylamine, N-	NL	NL	0.14	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nitrosodiphenylamine, N-	NL	NL	200	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Pentachlorophenol	NL	400	2.5	11	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phenanthrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phenol	NL	24,000	NL	NL	11	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Pyrene	NL	2,400	NL	NL	650	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichlorophenol, 2,4,6-	NL	80	91	NL	0.046	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
PAHs (Method 8270)																		
Acenaphthene	NL	4,800	NL	NL	98	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Acenaphthylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Anthracene	NL	24,000	NL	NL	2,300	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benz-a-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-a-pyrene	0.1	24	0.19	30	3.9	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-b-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-g,h,i-perylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-k-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chloronaphthalene, 2- (beta-chloronaphthalene)	NL	6,400	NL	NL	34	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chrysene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dibenz-a,h-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluoranthene	NL	3,200	NL	NL	630	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluorene	NL	3,200	NL	NL	100	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Indeno-1,2,3-cd-pyrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methylnaphthalene, 1-	NL	5600	34	NL	0.082	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methylnaphthalene, 2-	NL	320	NL	NL	1.7	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phenanthrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Pyrene	NL	2,400	NL	NL	650	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
PCBs (Method 8082)																		
Aroclor 1016	NL	5.6	14.00	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1221	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1232	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1242	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1248	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1254	NL	1.6	0.50	NL	0.71	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1260	NL	NL	0.50	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB32						SB33							
							L1177542-01	L1177542-02	L1177542-03	L1177542-04	L1177542-05	L1177542-06	L1177542-07	L1177542-08	L1177542-09	L1177542-10	L1177542-11	L1177542-12	L1178820-01	
							1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	
Depth Range							0.5 - 1 ft	1 - 1.5 ft	1.5 - 2 ft	5 - 6 ft	8 - 9 ft	10 - 11 ft	0.5 - 1 ft	1 - 1.5 ft	1.5 - 2 ft	5 - 6 ft	8 - 9 ft	10 - 11 ft	11 - 12 ft	
Hydrocarbon																				
Gasoline range organics(Benzene Present)	30	NL	NL	200	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Gasoline range organics (Benzene NonDetect)	100	NL	NL	200	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Diesel range organics	2000	NL	NL	460	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Total Diesel/Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Metals																				
Arsenic	20	24	0.67	20	2.9	mg/kg	13.7	26.8	29.5	6.51	2.35	1.810 J	69.1	64.9	117	52.8	40.6	1.6 J	NT	
Barium	NL	16000	NL	1250	1600	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Cadmium	2	80	NL	25	0.69	mg/kg	0.2930 J	0.2340 J	0.2340 J	0.1430 J	0.0971 J	0.0755 J	0.2410 J	0.2060 J	0.4130 J	0.2530 J	0.1860 J	0.096 J	NT	
Lead	250	NL	NL	220	3000	mg/kg	20.5	37.7	40.6	8.18	0.846	1.28	52	59.7	120	55.8	38.3	1.23	NT	
Mercury	2	NL	NL	9	2.1	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Selenium	NL	400	NL	0.8	5.2	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Silver	NL	400	NL	NL	14	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Total Chromium	NL	NL	NL	42	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chromium,Hexavalent	19	240	NL	NL	18.00	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chromium,Trivalent	2000	120000	NL	NL	480000	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Other																				
% Moisture	NL	NL	NL	NL	NL	%	93.2	89.9	92.7	93	89.3	93.3	91	91.7	91.7	92.9	92.3	92.1	89.5	
pH	NL	NL	NL	NL	NL	s.u.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Herbicides (Method 8151)																				
4-(chloro-2-methylphenoxy) acetic acid	NL	40	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dalapon, sodium salt	NL	2400	NL	NL	0.81	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dicamba	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichlorophenoxy, 2,4- butyric acid, 4-(db,2,4-)	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichlorophenoxyacetic acid, 2,4-	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloroprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dinoseb	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
TP Silvex, 2,4,5-	NL	640	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichlorophenoxyacetic acid, 2,4,5-	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Organophosphate Pesticides (Method 8141)																				
Azinphos-methyl	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chlorpyrifos	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Coumaphos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Demeton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Diazinon	NL	56	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichlorvos	NL	40.00	3.40	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dimethoate	NL	180	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Disulfoton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
EPN (ethyl p-nitrophenyl phenylphosphorothioate)	NL	0.8	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Ethoprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Fensulfothion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Fenthion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
lindane	0.01	24.00	0.91	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Malathion	NL	1600	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
MCPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Merphos	NL	2.4	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Methyl parathion	NL	20	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Naled	NL	160	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Parathion	NL	480	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Phorate	NL	16	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Phosdrin (mevinphos)	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Prothiofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Ronnel	NL	4000	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Sulprofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
TEPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Tetrachlorvinphos	NL	2400	42	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichloronate	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
OrganoChlorine Pesticides (Method 8081)																				
Aldrin	NL	2.4	0.059	0.17	0.0025	mg/kg	<0.00145	<0.0015	<0.00146	<0.00145	<0.00151	<0.00145	<0.00148	<0.00147	0.00000	<0.00145	<0.00146	<0.00147	<0.00151	
Chlordane	NL	NL	NL	1	NL	mg/kg	<0.0419	<0.0434	<0.0421	<0.0419	<0.0437	<0.0418	<0.0429	<0.0425	<0.0426	<0.042	<0.0423	<0.0423	<0.0436	
DDD	NL	2.4	4.20	NL	NL	mg/kg	<0.00167	<0.00174	<0.00168	<0.00168	<0.00175	<0.00167	<0.00171	<0.0017	<0.0017	<0.00168	<0.00169	<0.00169	<0.00174	
DDE	NL	24	2.90	NL	0.45	mg/kg	<0.00165	<0.00171	<0.00166	<0.00166	<0.00172	<0.00165	<0.00169	<0.00168	<0.00168	<0.00166	<0.00167	<0.00167	<0.00172	
DDT	3	40.00	2.90	NL	3.5	mg/kg	<0.00215	<0.00222	<0.00216	<0.00215	<0.00224	<0.00214	<0.0022	<0.00218	<0.00218	<0.00215	<0.00217	<0.00217	<0.00224	
Dieldrin	NL	4	0.063	0.17	0.0028	mg/kg	<0.00163	<0.00169	<0.00164	<0.00163	<0.0017	<0.00163	0.0443	0.0743	0.0594	0.0794	0.0496	0.00290 J	<0.0017	
Endosulfan I	NL	NL	NL	NL	NL	mg/kg	<0.0016	<0.00166	<0.00161	<0.0016	<0.00167	<0.0016	<0.00164</							

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SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB32						SB33							
Laboratory Identification							L1177542-01	L1177542-02	L1177542-03	L1177542-04	L1177542-05	L1177542-06	L1177542-07	L1177542-08	L1177542-09	L1177542-10	L1177542-11	L1177542-12	L1178820-01	
Sample Date							1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	
Depth Range							0.5 - 1 ft	1 - 1.5 ft	1.5 - 2 ft	5 - 6 ft	8 - 9 ft	10 - 11 ft	0.5 - 1 ft	1 - 1.5 ft	1.5 - 2 ft	5 - 6 ft	8 - 9 ft	10 - 11 ft	11 - 12 ft	
VOAs																				
Acetone	NL	72000	NL	NL	29	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Acrylonitrile	NL		NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benzene	0.03	320	18	NL	0.027	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Bromobenzene	NL	640	NL	NL	0.56	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Bromodichloromethane	NL	1,600	16	NL	0.036	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Bromoform	NL	1,600	130	NL	0.36	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Bromomethane	NL	110	NL	NL	0.05	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Butylbenzene, n-	NL	4,000	NL	NL	14	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Butylbenzene, sec-	NL	8,000	NL	NL	25	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Butylbenzene, tert-	NL	8,000	NL	NL	20	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Carbon tetrachloride	NL	320	14	NL	0.042	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chlorobenzene	NL	1,600	NL	NL	0.86	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chloroethane (ethyl chloride)	NL	NL	NL		NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chloroform	NL	800	32	NL	0.074	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chloromethane	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chlorotoluene, o-	NL	1600	NL	NL	1.9	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chlorotoluene, p-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Cumene	NL	8,000	NL	NL	15	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Cymene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dibromo-3-chloropropane, 1,2-	NL	16	1.3	NL	0.0013	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dibromochloromethane	NL	1,600	12	NL	0.028	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichlorobenzene, 1,2-	NL	7,200	NL	NL	7	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichlorobenzene, 1,3-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichlorobenzene, 1,4-	NL	5,600	190	NL	1.2	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichlorodifluoromethane	NL	16,000	NL	NL	38	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloroethane, 1,1-	NL	16,000	180	NL	0.041	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloroethane, 1,2-	NL	480	11	NL	0.023	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloroethylene, 1,1-	NL	4,000	NL	NL	0.046	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloroethylene, cis-1,2-	NL	160	NL	NL	0.078	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloroethylene, trans-1,2	NL	1,600	NL	NL	0.52	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloropropane, 1,2-	NL	3,200	27	NL	0.025	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloropropane, 1,3-	NL	1,600	NL	NL	0.88	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloropropane, 2,2-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloropropene, 1,1-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloropropene, cis 1,3-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloropropene, trans 1,3-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Diisopropyl ether	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Ethyl benzene	6	8,000	NL	NL	5.9	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Ethylene dibromide	0.005	720	0.5	NL	0.00027	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Hexachlorobutadiene	NL	80	13.00	NL	0.60	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Methyl ethyl ketone	NL	48,000	NL	NL	20	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Methyl isobutyl ketone	NL	6,400	NL	NL	2.7	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Methylene bromide	NL	800	NL	NL	0.36	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Methylene chloride	0.02	480	94	NL	0.021	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
MTBE	0.1	NL	560	NL	0.10	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Propylbenzene, n-	NL	8,000	NL	NL	16	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Styrene	NL	16,000	NL	NL	2.2	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Tetrachloroethane, 1,1,1,2-	NL	2,400	38	NL	0.0098	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Tetrachloroethane, 1,1,2,2-	NL	1,600	5	NL	0.0012	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Tetrachloroethylene	0.05	480	480	NL	0.05	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Toluene	7	6,400	NL	NL	4.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichloro-1,2,2-trifluoroethane, 1,1,2-	NL	2,400,000	NL	NL	7,600	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichlorobenzene, 1,2,3-	NL	64	NL	NL	0.2	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichlorobenzene, 1,2,4-	NL	800	34	NL	0.56	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichloroethane, 1,1,1-	2	160,000	NL	NL	1.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichloroethane, 1,1,2-	NL	320	18	NL	0.017	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichloroethylene	0.03	40	12.00	NL	0.025	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichlorofluoromethane	NL	24,000	NL	NL	23	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichloropropane, 1,2,3-	NL	320	0.0063	NL	0.0000024	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trimethylbenzene, 1,2,3-	NL	800	NL	NL	1.3	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trimethylbenzene, 1,2,4-	NL	800	NL	NL	1.3	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trimethylbenzene, 1,3,5-	NL	800	NL	NL	1.3	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Vinyl chloride	NL	240	0.67	NL	0.0017	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Xylenes	9	16,000	9	NL	14	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadoso at 13 Deg (February 2021)	Reporting Units	SB32						SB33						
Laboratory Identification							L1177542-01	L1177542-02	L1177542-03	L1177542-04	L1177542-05	L1177542-06	L1177542-07	L1177542-08	L1177542-09	L1177542-10	L1177542-11	L1177542-12	L1178820-01
Sample Date							1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020
Depth Range							0.5 - 1 ft	1 - 1.5 ft	1.5 - 2 ft	5 - 6 ft	8 - 9 ft	10 - 11 ft	0.5 - 1 ft	1 - 1.5 ft	1.5 - 2 ft	5 - 6 ft	8 - 9 ft	10 - 11 ft	11 - 12 ft
SVOCs (Method 8270)																			
Acenaphthene	NL	4,800	NL	NL	98	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Acenaphthylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Anthracene	NL	24,000	NL	NL	2,300	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benz-a-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benztidine	NL	240	0.0043	NL	0.000011	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benzo-a-pyrene	0.1	24	0.19	30	3.9	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benzo-b-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benzo-g,h,i-perylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benzo-k-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Bis (2-chloroethoxy) methane	NL	240	NL	NL	0.21	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Bis (2-chloroethyl) ether	NL	NL	0.91	NL	0.00022	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Bis (2-ethyl-hexyl) phthalate	NL	1,600	71	NL	13	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Bromophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Butyl benzyl phthalate	NL	16,000	530	NL	13	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chloro-3-methylphenol, 4- (chlorocresol))	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chloronaphthalene, 2- (beta-chloronaphthalene)	NL	6,400	NL	NL	34	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chlorophenol, 2-	NL	400	NL	NL	0.47	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chlorophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chrysene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dibenz-a,h-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichlorobenzidine, 3,3-	NL	NL	2.2	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichlorophenol, 2,4-	NL	240	NL	NL	0.17	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Diethyl phthalate	NL	64,000	NL	NL	72	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dimethyl phenol, 2,4-	NL	1,600	NL	NL	1.3	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dimethylphthalate	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Di-n-butyl phthalate	NL	NL	NL	200	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dinitro-2-methylphenol, 4,6-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dinitrophenol, 2,4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dinitrotoluene, 2,4-	NL	160	3.2	NL	0.0017	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dinitrotoluene, 2,6-	NL	24	0.67	NL	0.00031	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Di-n-octyl phthalate	NL	800	NL	NL	270,000	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Fluoranthene	NL	3,200	NL	NL	630	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Fluorene	NL	3,200	NL	NL	100	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Hexachlorobenzene	NL	160	0.63	31	0.88	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Hexachlorocyclopentadiene	NL	480	NL	NL	190	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Hexachloroethane	NL	56	25	NL	0.043	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Indeno-1,2,3-cd-pyrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Isophorone	NL	16,000	1100	NL	0.23	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Nitrobenzene	NL	160	NL	NL	0.1	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Nitrophenol, 2-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Nitrophenol, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Nitrosodimethylamine, N-	NL	0.64	0.02	NL	0.0000038	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Nitrosodi-n-propylamine, N-	NL	NL	0.14	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Nitrosodiphenylamine, N-	NL	NL	200	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Pentachlorophenol	NL	400	2.5	11	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Phenanthrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Phenol	NL	24,000	NL	NL	11	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Pyrene	NL	2,400	NL	NL	650	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichlorophenol, 2,4,6-	NL	80	91	NL	0.046	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
PAHs (Method 8270)																			
Acenaphthene	NL	4,800	NL	NL	98	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Acenaphthylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Anthracene	NL	24,000	NL	NL	2,300	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benz-a-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benzo-a-pyrene	0.1	24	0.19	30	3.9	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benzo-b-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benzo-g,h,i-perylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benzo-k-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chloronaphthalene, 2- (beta-chloronaphthalene)	NL	6,400	NL	NL	34	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chrysene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dibenz-a,h-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Fluoranthene	NL	3,200	NL	NL	630	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Fluorene	NL	3,200	NL	NL	100	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Indeno-1,2,3-cd-pyrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Methylnaphthalene, 1-	NL	5600	34	NL	0.082	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Methylnaphthalene, 2-	NL	320	NL	NL	1.7	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Phenanthrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Pyrene	NL	2,400	NL	NL	650	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
PCBs (Method 8082)																			
Aroclor 1016	NL	5.6	14.00	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Aroclor 1221	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Aroclor 1232	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Aroclor 1242	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Aroclor 1248	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Aroclor 1254	NL	1.6	0.50	NL	0.71	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Aroclor 1260	NL	NL	0.50	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB34						SB35					
							L1177542-13	L1177542-14	L1177542-15	L1177542-16	L1177542-17	L1177542-18	L1177542-19	L1177542-20	L1177542-21	L1177542-22	L1177542-23	L1177542-24
							1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020
Depth Range							0.5 - 1 ft	1 - 1.5 ft	1.5 - 2 ft	5 - 6 ft	8 - 9 ft	10 - 11 ft	0.5 - 1 ft	1 - 1.5 ft	1.5 - 2 ft	5 - 6 ft	8 - 9 ft	10 - 11 ft
Hydrocarbon																		
Gasoline range organics(Benzene Present)	30	NL	NL	200	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Gasoline range organics (Benzene NonDetect)	100	NL	NL	200	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Diesel range organics	2000	NL	NL	460	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Total Diesel/Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Metals																		
Arsenic	20	24	0.67	20	2.9	mg/kg	35.1	44.7	8.22	3.94	1.610 J	1.850 J	231	214	223	70	5.79	3.4
Barium	NL	16000	NL	1250	1600	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Cadmium	2	80	NL	25	0.69	mg/kg	0.2200 J	0.2930 J	0.1630 J	0.1420 J	<0.0795	0.1120 J	0.712	0.4770 J	0.4460 J	0.1970 J	0.0973 J	0.0970 J
Lead	250	NL	NL	220	3000	mg/kg	39.7	43.2	15	6.78	0.502 J	1.89	185	187	164	57.9	3.71	2.22
Mercury	2	NL	NL	9	2.1	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Selenium	NL	400	NL	0.8	5.2	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Silver	NL	400	NL	NL	14	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Total Chromium	NL	NL	NL	42	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chromium,Hexavalent	19	240	NL	NL	18.00	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chromium,Trivalent	2000	120000	NL	NL	480000	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Other																		
% Moisture	NL	NL	NL	NL	NL	%	95.4	94.9	94.2	80.7	88	92.3	89.4	92.4	91.3	92.9	92.8	92.3
pH	NL	NL	NL	NL	NL	s.u.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Herbicides (Method 8151)																		
4-(chloro-2-methylphenoxy) acetic acid	NL	40	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dalapon, sodium salt	NL	2400	NL	NL	0.81	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dicamba	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorophenoxy, 2,4- butyric acid, 4-(db,2,4-)	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorophenoxyacetic acid, 2,4-(db,2,4-)	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichloroprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dinoseb	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TP Silvex, 2,4,5-	NL	640	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichlorophenoxyacetic acid, 2,4,5-	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Organophosphate Pesticides (Method 8141)																		
Azinphos-methyl	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlorpyrifos	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Coumaphos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Demeton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Diazinon	NL	56	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorvos	NL	40.00	3.40	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dimethoate	NL	180	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Disulfoton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
EPN (ethyl p-nitrophenyl phenylphosphorothioate)	NL	0.8	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ethoprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fensulfothion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fenthion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
lindane	0.01	24.00	0.91	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Malathion	NL	1600	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
MCPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Merphos	NL	2.4	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methyl parathion	NL	20	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Naled	NL	160	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Parathion	NL	480	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phorate	NL	16	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phosdrin (mevinphos)	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Prothiofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ronnel	NL	4000	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Sulprofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TEPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tetrachlorvinphos	NL	2400	42	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichloronate	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
OrganoChlorine Pesticides (Method 8081)																		
Aldrin	NL	2.4	0.059	0.17	0.0025	mg/kg	<0.00141	<0.00142	<0.00143	<0.00167	<0.00153	<0.00146	<0.00151	<0.00146	<0.00148	<0.00145	<0.00145	<0.00146
Chlordane	NL	NL	NL	1	NL	mg/kg	<0.0409	<0.0411	<0.0414	<0.0483	<0.0443	<0.0422	<0.0436	<0.0422	<0.0427	<0.042	<0.042	<0.0423
DDD	NL	2.4	4.20	NL	NL	mg/kg	<0.00163	<0.00164	<0.00166	<0.00193	<0.00177	<0.00169	<0.00175	<0.00169	<0.00171	<0.00168	<0.00168	<0.00169
DDE	NL	24	2.90	NL	0.45	mg/kg	<0.00161	<0.00162	<0.00164	<0.00191	<0.00175	<0.00167	<0.00172	<0.00167	<0.00169	<0.00166	<0.00166	<0.00167
DDT	3	40.00	2.90	NL	3.5	mg/kg	<0.0021	<0.00211	<0.00212	<0.00248	<0.00227	<0.00217	<0.00224	<0.00216	<0.00219	<0.00215	<0.00215	<0.00217
Dieldrin	NL	4	0.063	0.17	0.0028	mg/kg	<0.00159	<0.0016	<0.00161	<0.00188	<0.00173	<0.00165	<0.0017	<0.00165	<0.00166	<0.00164	<0.00164	<0.00165
Endosulfan I	NL	NL	NL	NL	NL	mg/kg	<0.00156	<0.00157	<0.00158	<0.00185	<0.00169	<0.00161	<0.00167	<0.00161	<0.00163	<0.0016	<0.0016	<0.00161
Endosulfan II	NL	NL	NL	NL	NL	mg/kg	<0.00168	<0.00169	<0.0017	<0.00198	<0.00182	<0.00173	<0.00179	<0.00173	<0.00175	<0.00172	<0.00172	<0.00173
Endosulfan sulfate	NL	480	NL	NL	NL	mg/kg	<0.00158	<0.00159	<0.0016	<0.00187	<0.00172	<0.00164	<0.00169	<0.00163	<0.00165	<0.00163	<0.00163	<0.00164
Endrin	NL	24																

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB34						SB35					
Laboratory Identification							L1177542-13	L1177542-14	L1177542-15	L1177542-16	L1177542-17	L1177542-18	L1177542-19	L1177542-20	L1177542-21	L1177542-22	L1177542-23	L1177542-24
Sample Date							1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020
Depth Range							0.5 - 1 ft	1 - 1.5 ft	1.5 - 2 ft	5 - 6 ft	8 - 9 ft	10 - 11 ft	0.5 - 1 ft	1 - 1.5 ft	1.5 - 2 ft	5 - 6 ft	8 - 9 ft	10 - 11 ft
VOAs																		
Acetone	NL	72000	NL	NL	NL	29	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Acrylonitrile	NL	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzene	0.03	320	18	NL	NL	0.027	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bromobenzene	NL	640	NL	NL	NL	0.56	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bromodichloromethane	NL	1,600	16	NL	NL	0.036	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bromoform	NL	1,600	130	NL	NL	0.36	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bromomethane	NL	110	NL	NL	NL	0.05	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Butylbenzene, n-	NL	4,000	NL	NL	NL	14	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Butylbenzene, sec-	NL	8,000	NL	NL	NL	25	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Butylbenzene, tert-	NL	8,000	NL	NL	NL	20	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Carbon tetrachloride	NL	320	14	NL	NL	0.042	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlorobenzene	NL	1,600	NL	NL	NL	0.86	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chloroethane (ethyl chloride)	NL	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chloroform	NL	800	32	NL	NL	0.074	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chloromethane	NL	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlorotoluene, o-	NL	1600	NL	NL	NL	1.9	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlorotoluene, p-	NL	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Cumene	NL	8,000	NL	NL	NL	15	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Cymene	NL	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dibromo-3-chloropropane, 1,2-	NL	16	1.3	NL	NL	0.0013	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dibromochloromethane	NL	1,600	12	NL	NL	0.028	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorobenzene, 1,2-	NL	7,200	NL	NL	NL	7	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorobenzene, 1,3-	NL	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorobenzene, 1,4-	NL	5,600	190	NL	NL	1.2	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorodifluoromethane	NL	16,000	NL	NL	NL	38	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichloroethane, 1,1-	NL	16,000	180	NL	NL	0.041	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichloroethane, 1,2-	NL	480	11	NL	NL	0.023	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichloroethylene, 1,1-	NL	4,000	NL	NL	NL	0.046	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichloroethylene, cis-1,2-	NL	160	NL	NL	NL	0.078	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichloroethylene, trans-1,2	NL	1,600	NL	NL	NL	0.52	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichloropropane, 1,2-	NL	3,200	27	NL	NL	0.025	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichloropropane, 1,3-	NL	1,600	NL	NL	NL	0.88	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichloropropane, 2,2-	NL	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichloropropene, 1,1-	NL	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichloropropene, cis 1,3-	NL	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichloropropene, trans 1,3-	NL	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Diisopropyl ether	NL	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ethyl benzene	6	8,000	NL	NL	NL	5.9	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ethylene dibromide	0.005	720	0.5	NL	NL	0.00027	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorobutadiene	NL	80	13.00	NL	NL	0.60	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methyl ethyl ketone	NL	48,000	NL	NL	NL	20	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methyl isobutyl ketone	NL	6,400	NL	NL	NL	2.7	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methylene bromide	NL	800	NL	NL	NL	0.36	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methylene chloride	0.02	480	94	NL	NL	0.021	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
MTBE	0.1	NL	560	NL	NL	0.10	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Naphthalene	5	1,600	NL	NL	NL	4.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Propylbenzene, n-	NL	8,000	NL	NL	NL	16	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Styrene	NL	16,000	NL	NL	NL	2.2	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tetrachloroethane, 1,1,1,2-	NL	2,400	38	NL	NL	0.0098	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tetrachloroethane, 1,1,2,2-	NL	1,600	5	NL	NL	0.0012	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tetrachloroethylene	0.05	480	480	NL	NL	0.05	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Toluene	7	6,400	NL	NL	NL	4.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichloro-1,2,2-trifluoroethane, 1,1,2-	NL	2,400,000	NL	NL	NL	7,600	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichlorobenzene, 1,2,3-	NL	64	NL	NL	NL	0.2	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichlorobenzene, 1,2,4-	NL	800	34	NL	NL	0.56	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichloroethane, 1,1,1-	2	160,000	NL	NL	NL	1.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichloroethane, 1,1,2-	NL	320	18	NL	NL	0.017	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichloroethylene	0.03	40	12.00	NL	NL	0.025	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichlorofluoromethane	NL	24,000	NL	NL	NL	23	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichloropropane, 1,2,3-	NL	320	0.0063	NL	NL	0.0000024	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trimethylbenzene, 1,2,3-	NL	800	NL	NL	NL	1.3	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trimethylbenzene, 1,2,4-	NL	800	NL	NL	NL	1.3	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trimethylbenzene, 1,3,5-	NL	800	NL	NL	NL	1.3	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Vinyl chloride	NL	240	0.67	NL	NL	0.0017	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Xylenes	9	16,000	9	NL	NL	14	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

[illegible]

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB36						SB37					
Laboratory Identification							L1177542-25	L1177542-26	L1177542-27	L1177542-28	L1177542-29	L1177542-30	L1177542-31	L1177542-32	L1177542-33	L1177542-34	L1177542-35	L1177542-36
							Sample Date	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020
Depth Range							0.5 - 1 ft	1 - 1.5 ft	1.5 - 2 ft	5 - 6 ft	8 - 9 ft	10 - 11 ft	0.5 - 1 ft	1 - 1.5 ft	1.5 - 2 ft	5 - 6 ft	8 - 9 ft	10 - 11 ft
Hydrocarbon																		
Gasoline range organics(Benzene Present)	30	NL	NL	200	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Gasoline range organics (Benzene NonDetect)	100	NL	NL	200	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Diesel range organics	2000	NL	NL	460	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Total Diesel/Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Metals																		
Arsenic	20	24	0.67	20	2.9	mg/kg	19.8	4.71	3.55	5.53	6.82	1.850 J	1.200 J	4.15	4.39	2.64	3.81	2.130 J
Barium	NL	16000	NL	1250	1600	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Cadmium	2	80	NL	25	0.69	mg/kg	0.1770 J	0.1130 J	0.1170 J	0.1800 J	0.2990 J	<0.0786	0.0951 J	0.2050 J	0.1560 J	0.1310 J	0.1530 J	0.0961 J
Lead	250	NL	NL	220	3000	mg/kg	34.6	16.3	15.9	13.5	17.8	0.973	1.8	4.88	6.32	2.46	0.885	2.13
Mercury	2	NL	NL	9	2.1	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Selenium	NL	400	NL	0.8	5.2	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Silver	NL	400	NL	NL	14	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Total Chromium	NL	NL	NL	42	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chromium,Hexavalent	19	240	NL	NL	18.00	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chromium,Trivalent	2000	120000	NL	NL	480000	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Other																		
% Moisture	NL	NL	NL	NL	NL	%	94.3	89.2	90.7	81.8	82.6	89	89	93.9	93.6	93.7	96.1	93.1
pH	NL	NL	NL	NL	NL	s.u.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Herbicides (Method 8151)																		
4-(chloro-2-methylphenoxy) acetic acid	NL	40	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dalapon, sodium salt	NL	2400	NL	NL	0.81	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dicamba	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorophenoxy, 2,4- butyric acid, 4-(db;2,4-)	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorophenoxyacetic acid, 2,4-	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichloroprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dinoseb	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TP Silvex, 2,4,5-	NL	640	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichlorophenoxyacetic acid, 2,4,5-	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Organophosphate Pesticides (Method 8141)																		
Azinphos-methyl	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlorpyrifos	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Coumaphos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Demeton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Diazinon	NL	56	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorvos	NL	40.00	3.40	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dimethoate	NL	180	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Disulfoton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
EPN (ethyl p-nitrophenyl phenylphosphorothioate)	NL	0.8	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ethoprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fensulfothion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fenthion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
lindane	0.01	24.00	0.91	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Malathion	NL	1600	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
MCCPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Merphos	NL	2.4	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methyl parathion	NL	20	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Naled	NL	160	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Parathion	NL	480	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phorate	NL	16	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phosdrin (mevinphos)	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Prothiofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ronnel	NL	4000	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Sulprofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TEPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tetrachlorvinphos	NL	2400	42	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichloronate	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
OrganoChlorine Pesticides (Method 8081)																		
Aldrin	NL	2.4	0.059	0.17	0.0025	mg/kg	<0.00143	<0.00151	<0.00149	<0.00165	<0.00163	<0.00152	<0.00152	<0.00144	<0.00144	<0.00144	<0.0014	<0.00145
Chlordane	NL	NL	NL	1	NL	mg/kg	<0.0414	<0.0437	<0.043	<0.0477	<0.0472	<0.0438	<0.0438	<0.0415	<0.0417	<0.0416	<0.0406	<0.0419
DDD	NL	2.4	4.20	NL	NL	mg/kg	<0.00165	<0.00175	<0.00172	<0.00191	<0.00189	<0.00175	<0.00175	<0.00166	<0.00167	<0.00166	<0.00162	<0.00168
DDE	NL	24	2.90	NL	0.45	mg/kg	<0.00163	<0.00173	<0.0017	<0.00188	<0.00186	<0.00173	<0.00173	<0.00164	<0.00165	<0.00164	<0.0016	<0.00165
DDT	3	40.00	2.90	NL	3.5	mg/kg	<0.00212	<0.00224	<0.00225	<0.00245	<0.00242	<0.00225	<0.00225	<0.00213	<0.00214	<0.00213	<0.00208	<0.00215
Dieldrin	NL	4	0.063	0.17	0.0028	mg/kg	<0.00161	<0.0017	<0.00167	<0.00186	<0.00184	<0.00171	<0.00171	<0.00162	<0.00162	<0.00162	<0.00158	<0.00163
Endosulfan I	NL	NL	NL	NL	NL	mg/kg	<0.00158	<0.00167	<0.00164	<0.00182	<0.0018	<0.00167	<0.00167	<0.00159	<0.00159	<0.00159	<0.00155	<0.0016
Endosulfan II	NL	NL	NL	NL	NL	mg/kg	<0.0017	<0.00179	<0.00176	<0.00196	<0.00194	<0.0018	<0.0018	<0.0017	<0.00171	<0.00171	<0.00166	<0.00172
Endosulfan sulfate	NL	480	NL	NL	NL	mg/kg	<0.0016	<0.00169	<0.00166	<0.00185	<0.00183	<0.0017	<0.0017	<0.00161	<0.00161	<0.00161	<0.00157	<0.00162

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB38									
Laboratory Identification							L1177542-37	L1177542-38	L1177542-67	L1178820-02	L1178820-03	L1177542-39	L1178820-04	L1177542-40	L1177542-41	
							1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	
							Depth Range	0.5 - 1 ft	1 - 1.5 ft	1.5 - 2 ft	3 - 3.5 ft	4.5 - 5 ft	5 - 6 ft	6 - 7 ft	8 - 9 ft	10 - 11 ft
Hydrocarbon																
Gasoline range organics(Benzene Present)	30	NL	NL	200	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Gasoline range organics (Benzene NonDetect)	100	NL	NL	200	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Diesel range organics	2000	NL	NL	460	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Total Diesel/Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Metals																
Arsenic	20	24	0.67	20	2.9	mg/kg	65.1	19.1	40	22.8	20.7	36.4	36.9	0.953 J	2.1 J	
Barium	NL	16000	NL	1250	1600	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Cadmium	2	80	NL	25	0.69	mg/kg	0.3250 J	0.2130 J	0.3020 J	NT	NT	0.1200 J	NT	0.0815 J	<0.0761	
Lead	250	NL	NL	220	3000	mg/kg	63.4	26.1	33	NT	NT	30.3	NT	0.401 J	1.27	
Mercury	2	NL	NL	9	2.1	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Selenium	NL	400	NL	0.8	5.2	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Silver	NL	400	NL	NL	14	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Total Chromium	NL	NL	NL	42	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chromium,Hexavalent	19	240	NL	NL	18.00	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chromium,Trivalent	2000	120000	NL	NL	480000	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Other																
% Moisture	NL	NL	NL	NL	NL	%	89.2	89.3	91.6	88.7	91.8	87.2	90.6	90.8	92	
pH	NL	NL	NL	NL	NL	s.u.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Herbicides (Method 8151)																
4-(chloro-2-methylphenoxy) acetic acid	NL	40	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dalapon, sodium salt	NL	2400	NL	NL	0.81	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dicamba	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorophenoxy, 2,4- butyric acid, 4-(db,2,4-)	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorophenoxyacetic acid, 2,4-	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichloroprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dinoseb	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TP Silvex, 2,4,5-	NL	640	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichlorophenoxyacetic acid, 2,4,5-	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Organophosphate Pesticides (Method 8141)																
Azinphos-methyl	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlorpyrifos	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Coumaphos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Demeton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Diazinon	NL	56	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorvos	NL	40.00	3.40	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dimethoate	NL	180	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Disulfoton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
EPN (ethyl p-nitrophenyl phenylphosphorothioate)	NL	0.8	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ethoprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fensulfuthion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fenthion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
lindane	0.01	24.00	0.91	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Malathion	NL	1600	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
MCPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Merphos	NL	2.4	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methyl parathion	NL	20	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Naled	NL	160	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Parathion	NL	480	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phorate	NL	16	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phosdrin (mevinphos)	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Prothiofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ronnel	NL	4000	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Sulprofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TEPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tetrachlorvinphos	NL	2400	42	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichloronate	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
OrganoChlorine Pesticides (Method 8081)																
Aldrin	NL	2.4	0.059	0.17	0.0025	mg/kg	<0.00151	<0.00151	<0.00147	NT	NT	<0.00155	NT	<0.00149	<0.00147	
Chlordane	NL	NL	NL	1	NL	mg/kg	<0.0437	<0.0437	<0.0426	NT	NT	<0.0447	NT	<0.043	<0.0424	
DDD	NL	2.4	4.20	NL	NL	mg/kg	<0.00175	<0.00175	<0.0017	NT	NT	<0.00179	NT	<0.00172	<0.0017	
DDE	NL	24	2.90	NL	0.45	mg/kg	<0.00173	<0.00172	<0.00168	NT	NT	<0.00177	NT	<0.0017	<0.00167	
DDT	3	40.00	2.90	NL	3.5	mg/kg	<0.00224	<0.00224	<0.00218	NT	NT	<0.00229	NT	<0.0022	<0.00217	
Dieldrin	NL	4	0.063	0.17	0.0028	mg/kg	<0.0017	<0.0017	<0.00166	NT	NT	<0.00174	NT	<0.00167	<0.00165	
Endosulfan I	NL	NL	NL	NL	NL	mg/kg	<0.00167	<0.00167	<0.00163	NT	NT	<0.00171	NT	<0.00164	<0.00162	
Endosulfan II	NL	NL	NL	NL	NL	mg/kg	<0.00179	<0.00179	<0.00175	NT	NT	<0.00184	NT	<0.00176	<0.00174	
Endosulfan sulfate	NL	480	NL	NL	NL	mg/kg	<0.00169	<0.00169	<0.00165	NT	NT	<0.00173	NT	<0.00166	<0.00164	
Endrin	NL	24	NL	0.4	NL	mg/kg	<0.00176	<0.00176	<0.00171	NT	NT	<0.0018	NT	<0.00173	<0.00171	
Endrin aldehyde	NL	NL	NL	NL	NL	mg/kg	<0.00145	<0.00144	<0.00141	NT	NT	<0.00148	NT	<0.00142	<0.0014	
Endrin ketone	NL	NL	NL	NL	NL	mg/kg	<0.00185	<0.00185	<0.0018	NT	NT	<0.00189	NT	<0.00182	<0.00179	
Heptachlor	NL	40	0.22	NL	0.038	mg/kg	<0.00173	<0.00172	<0.00168	NT	NT	<0.00177	NT	<0.0017	<0.00167	
Heptachlor epoxide	NL	1	0.11	NL	0.08	mg/kg	<0.00181	<0.0018	<0.00176	NT	NT	<0.00185	NT	<0.00177	<0.00175	
Hexachlorocyclohexane, alpha	NL	640	0.16	NL	NL	mg/kg	<0.00152	<0.00152	<0.00148	NT	NT	<0.00156	NT	<0.0015	<0.00148	
Hexachlorocyclohexane, beta	NL	NL	0.56	NL	NL	mg/kg	<0.00179	<0.00179	<0.00175	NT	NT	<0.00184	NT	<0.00176	<0.00174	
Hexachlorocyclohexane, delta	NL	NL	0.56	NL	NL	mg/kg	<0.0016	<0.0016	<0.00156	NT	NT	<0.00164	NT	<0.00157	<0.00155	
Methoxychlor	NL	400	NL	NL	NL	mg/kg	<0.00163	<0.00162	<0.00158	NT	NT	<0.00166	NT	<0.0016	<0.00158	
Tetraethyl dithiopyrophosphate	NL	40	NL	NL	NL	mg/kg	<0.002	<0.00199	<0.00194	NT	NT	<0.00204	NT	<0.00196	<0.00193	
Toxaphene	NL	7.2	0.91	NL	NL	mg/kg	<0.0404	<0.0403	<0.0393	NT	NT	<0.0413	NT	<0.0396	<0.0391	

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB38									
Laboratory Identification							L1177542-37	L1177542-38	L1177542-67	L1178820-02	L1178820-03	L1177542-39	L1178820-04	L1177542-40	L1177542-41	
Sample Date							1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	
Depth Range							0.5 - 1 ft	1 - 1.5 ft	1.5 - 2 ft	3 - 3.5 ft	4.5 - 5 ft	5 - 6 ft	6 - 7 ft	8 - 9 ft	10 - 11 ft	
VOAs																
Acetone	NL	72000	NL	NL	29	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Acrylonitrile	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benzene	0.03	320	18	NL	0.027	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Bromobenzene	NL	640	NL	NL	0.56	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Bromodichloromethane	NL	1,600	16	NL	0.036	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Bromoform	NL	1,600	130	NL	0.36	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Bromomethane	NL	110	NL	NL	0.05	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Butylbenzene, n-	NL	4,000	NL	NL	14	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Butylbenzene, sec-	NL	8,000	NL	NL	25	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Butylbenzene, tert-	NL	8,000	NL	NL	20	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Carbon tetrachloride	NL	320	14	NL	0.042	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chlorobenzene	NL	1,600	NL	NL	0.86	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chloroethane (ethyl chloride)	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chloroform	NL	800	32	NL	0.074	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chloromethane	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chlorotoluene, o-	NL	1600	NL	NL	1.9	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chlorotoluene, p-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Cumene	NL	8,000	NL	NL	15	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Cymene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dibromo-3-chloropropane, 1,2-	NL	16	1.3	NL	0.0013	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dibromochloromethane	NL	1,600	12	NL	0.028	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichlorobenzene, 1,2-	NL	7,200	NL	NL	7	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichlorobenzene, 1,3-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichlorobenzene, 1,4-	NL	5,600	190	NL	1.2	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichlorodifluoromethane	NL	16,000	NL	NL	38	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloroethane, 1,1-	NL	16,000	180	NL	0.041	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloroethane, 1,2-	NL	480	11	NL	0.023	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloroethylene, 1,1-	NL	4,000	NL	NL	0.046	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloroethylene, cis-1,2-	NL	160	NL	NL	0.078	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloroethylene, trans-1,2	NL	1,600	NL	NL	0.52	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloropropane, 1,2-	NL	3,200	27	NL	0.025	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloropropane, 1,3-	NL	1,600	NL	NL	0.88	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloropropane, 2,2-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloropropene, 1,1-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloropropene, cis 1,3-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloropropene, trans 1,3-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Diisopropyl ether	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Ethyl benzene	6	8,000	NL	NL	5.9	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Ethylene dibromide	0.005	720	0.5	NL	0.00027	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Hexachlorobutadiene	NL	80	13.00	NL	0.60	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Methyl ethyl ketone	NL	48,000	NL	NL	20	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Methyl isobutyl ketone	NL	6,400	NL	NL	2.7	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Methylene bromide	NL	800	NL	NL	0.36	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Methylene chloride	0.02	480	94	NL	0.021	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
MTBE	0.1	NL	560	NL	0.10	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Propylbenzene, n-	NL	8,000	NL	NL	16	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Styrene	NL	16,000	NL	NL	2.2	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Tetrachloroethane, 1,1,1,2-	NL	2,400	38	NL	0.0098	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Tetrachloroethane, 1,1,2,2-	NL	1,600	5	NL	0.0012	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Tetrachloroethylene	0.05	480	480	NL	0.05	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Toluene	7	6,400	NL	NL	4.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichloro-1,2,2-trifluoroethane, 1,1,2-	NL	2,400,000	NL	NL	7,600	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichlorobenzene, 1,2,3-	NL	64	NL	NL	0.2	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichlorobenzene, 1,2,4-	NL	800	34	NL	0.56	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichloroethane, 1,1,1-	2	160,000	NL	NL	1.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichloroethane, 1,1,2-	NL	320	18	NL	0.017	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichloroethylene	0.03	40	12.00	NL	0.025	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichlorofluoromethane	NL	24,000	NL	NL	23	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichloropropane, 1,2,3-	NL	320	0.0063	NL	0.0000024	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trimethylbenzene, 1,2,3-	NL	800	NL	NL	1.3	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trimethylbenzene, 1,2,4-	NL	800	NL	NL	1.3	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trimethylbenzene, 1,3,5-	NL	800	NL	NL	1.3	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Vinyl chloride	NL	240	0.67	NL	0.0017	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Xylenes	9	16,000	9	NL	14	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB38									
Laboratory Identification							L1177542-37	L1177542-38	L1177542-67	L1178820-02	L1178820-03	L1177542-39	L1178820-04	L1177542-40	L1177542-41	
Sample Date							1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	
Depth Range							0.5 - 1 ft	1 - 1.5 ft	1.5 - 2 ft	3 - 3.5 ft	4.5 - 5 ft	5 - 6 ft	6 - 7 ft	8 - 9 ft	10 - 11 ft	
SVOCs (Method 8270)																
Acenaphthene	NL	4,800	NL	NL	98	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Acenaphthylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Anthracene	NL	24,000	NL	NL	2,300	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benz-a-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
BenZidine	NL	240	0.0043	NL	0.000011	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benzo-a-pyrene	0.1	24	0.19	30	3.9	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benzo-b-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benzo-g,h,i-perylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benzo-k-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Bis (2-chloroethoxy) methane	NL	240	NL	NL	0.21	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Bis (2-chloroethyl) ether	NL	NL	0.91	NL	0.00022	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Bis (2-ethyl-hexyl) phthalate	NL	1,600	71	NL	13	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Bromophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Butyl benzyl phthalate	NL	16,000	530	NL	13	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chloro-3-methylphenol, 4-(chlorocresol))	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chloronaphthalene, 2-(beta-chloronaphthalene)	NL	6,400	NL	NL	34	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chlorophenol, 2-	NL	400	NL	NL	0.47	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chlorophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chrysene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dibenz-a,h-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichlorobenzidine, 3,3-	NL	NL	2.2	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichlorophenol, 2,4-	NL	240	NL	NL	0.17	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Diethyl phthalate	NL	64,000	NL	NL	72	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dimethyl phenol, 2,4-	NL	1,600	NL	NL	1.3	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dimethyl phthalate	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Di-n-butyl phthalate	NL	NL	NL	200	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dinitro-2-methylphenol, 4,6-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dinitrophenol, 2,4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dinitrotoluene, 2,4-	NL	160	3.2	NL	0.0017	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dinitrotoluene, 2,6-	NL	24	0.67	NL	0.00031	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Di-n-octyl phthalate	NL	800	NL	NL	270,000	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Fluoranthene	NL	3,200	NL	NL	630	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Fluorene	NL	3,200	NL	NL	100	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Hexachlorobenzene	NL	160	0.63	31	0.88	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Hexachlorocyclopentadiene	NL	480	NL	NL	190	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Hexachloroethane	NL	56	25	NL	0.043	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Indeno-1,2,3-cd-pyrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Isophorone	NL	16,000	1100	NL	0.23	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Nitrobenzene	NL	160	NL	NL	0.1	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Nitrophenol, 2-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Nitrophenol, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Nitrosodimethylamine, N-	NL	0.64	0.02	NL	0.0000038	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Nitrosodi-n-propylamine, N-	NL	NL	0.14	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Nitrosodiphenylamine, N-	NL	NL	200	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Pentachlorophenol	NL	400	2.5	11	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Phenanthrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Phenol	NL	24,000	NL	NL	11	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Pyrene	NL	2,400	NL	NL	650	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichlorophenol, 2,4,6-	NL	80	91	NL	0.046	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
PAHs (Method 8270)																
Acenaphthene	NL	4,800	NL	NL	98	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Acenaphthylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Anthracene	NL	24,000	NL	NL	2,300	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benz-a-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benzo-a-pyrene	0.1	24	0.19	30	3.9	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benzo-b-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benzo-g,h,i-perylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benzo-k-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chloronaphthalene, 2-(beta-chloronaphthalene)	NL	6,400	NL	NL	34	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chrysene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dibenz-a,h-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Fluoranthene	NL	3,200	NL	NL	630	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Fluorene	NL	3,200	NL	NL	100	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Indeno-1,2,3-cd-pyrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Methylnaphthalene, 1-	NL	5600	34	NL	0.082	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Methylnaphthalene, 2-	NL	320	NL	NL	1.7	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Phenanthrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Pyrene	NL	2,400	NL	NL	650	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
PCBs (Method 8082)																
Aroclor 1016	NL	5.6	14.00	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Aroclor 1221	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Aroclor 1232	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Aroclor 1242	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Aroclor 1248	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Aroclor 1254	NL	1.6	0.50	NL	0.71	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Aroclor 1260	NL	NL	0.50	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

[illegible]

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB39						SB40					
Laboratory Identification							L1177542-42	L1177542-43	L1177542-66	L1177542-47	L1177542-45	L1177542-46	L1178043-01	L1178043-02	L1178043-03	L1178043-04	L1178043-05	L1178043-06
Sample Date							1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020
Depth Range							0.5 - 1 ft	1 - 1.5 ft	1.5 - 2 ft	4 - 4.5 ft	5 - 6 ft	8 - 9 ft	2 - 3 ft	4 - 6 ft	8 - 9 ft	10 - 11 ft	11 - 12 ft	16 - 17 ft
VOAs																		
Acetone	NL	72000	NL	NL	29	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Acrylonitrile	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benzene	0.03	320	18	NL	0.027	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Bromobenzene	NL	640	NL	NL	0.56	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Bromodichloromethane	NL	1,600	16	NL	0.036	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Bromoform	NL	1,600	130	NL	0.36	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Bromomethane	NL	110	NL	NL	0.05	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Butylbenzene, n-	NL	4,000	NL	NL	14	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Butylbenzene, sec-	NL	8,000	NL	NL	25	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Butylbenzene, tert-	NL	8,000	NL	NL	20	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Carbon tetrachloride	NL	320	14	NL	0.042	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chlorobenzene	NL	1,600	NL	NL	0.86	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chloroethane (ethyl chloride)	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chloroform	NL	800	32	NL	0.074	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chloromethane	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chlorotoluene, o-	NL	1600	NL	NL	1.9	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chlorotoluene, p-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Cumene	NL	8,000	NL	NL	15	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Cymene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dibromo-3-chloropropane, 1,2-	NL	16	1.3	NL	0.0013	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dibromochloromethane	NL	1,600	12	NL	0.028	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichlorobenzene, 1,2-	NL	7,200	NL	NL	7	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichlorobenzene, 1,3-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichlorobenzene, 1,4-	NL	5,600	190	NL	1.2	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichlorodifluoromethane	NL	16,000	NL	NL	38	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloroethane, 1,1-	NL	16,000	180	NL	0.041	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloroethane, 1,2-	NL	480	11	NL	0.023	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloroethylene, 1,1-	NL	4,000	NL	NL	0.046	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloroethylene, cis-1,2-	NL	160	NL	NL	0.078	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloroethylene, trans-1,2	NL	1,600	NL	NL	0.52	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloropropane, 1,2-	NL	3,200	27	NL	0.025	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloropropane, 1,3-	NL	1,600	NL	NL	0.88	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloropropane, 2,2-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloropropene, 1,1-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloropropene, cis 1,3-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloropropene, trans 1,3-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Diisopropyl ether	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Ethyl benzene	6	8,000	NL	NL	5.9	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Ethylene dibromide	0.005	720	0.5	NL	0.00027	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Hexachlorobutadiene	NL	80	13.00	NL	0.60	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Methyl ethyl ketone	NL	48,000	NL	NL	20	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Methyl isobutyl ketone	NL	6,400	NL	NL	2.7	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Methylene bromide	NL	800	NL	NL	0.36	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Methylene chloride	0.02	480	94	NL	0.021	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
MTBE	0.1	NL	560	NL	0.10	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Propylbenzene, n-	NL	8,000	NL	NL	16	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Styrene	NL	16,000	NL	NL	2.2	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Tetrachloroethane, 1,1,1,2-	NL	2,400	38	NL	0.0098	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Tetrachloroethane, 1,1,2,2-	NL	1,600	5	NL	0.0012	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Tetrachloroethylene	0.05	480	480	NL	0.05	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Toluene	7	6,400	NL	NL	4.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichloro-1,2,2-trifluoroethane, 1,1,2-	NL	2,400,000	NL	NL	7,600	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichlorobenzene, 1,2,3-	NL	64	NL	NL	0.2	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichlorobenzene, 1,2,4-	NL	800	34	NL	0.56	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichloroethane, 1,1,1-	2	160,000	NL	NL	1.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichloroethane, 1,1,2-	NL	320	18	NL	0.017	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichloroethylene	0.03	40	12.00	NL	0.025	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichlorofluoromethane	NL	24,000	NL	NL	23	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichloropropane, 1,2,3-	NL	320	0.0063	NL	0.0000024	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trimethylbenzene, 1,2,3-	NL	800	NL	NL	1.3	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trimethylbenzene, 1,2,4-	NL	800	NL	NL	1.3	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trimethylbenzene, 1,3,5-	NL	800	NL	NL	1.3	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Vinyl chloride	NL	240	0.67	NL	0.0017	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Xylenes	9	16,000	9	NL	14	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB39						SB40					
Laboratory Identification							L1177542-42	L1177542-43	L1177542-66	L1177542-47	L1177542-45	L1177542-46	L1178043-01	L1178043-02	L1178043-03	L1178043-04	L1178043-05	L1178043-06
Sample Date							1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020
Depth Range							0.5 - 1 ft	1 - 1.5 ft	1.5 - 2 ft	4 - 4.5 ft	5 - 6 ft	8 - 9 ft	2 - 3 ft	4 - 6 ft	8 - 9 ft	10 - 11 ft	11 - 12 ft	16 - 17 ft
SVOCs (Method 8270)																		
Acenaphthene	NL	4,800	NL	NL	98	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Acenaphthylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Anthracene	NL	24,000	NL	NL	2,300	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benzo-a-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benzidine	NL	240	0.0043	NL	0.000011	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benzo-a-pyrene	0.1	24	0.19	30	3.9	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benzo-b-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benzo-g,h,i-perylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benzo-k-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Bis (2-chloroethoxy) methane	NL	240		NL	0.21	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Bis (2-chloroethyl) ether	NL	NL	0.91	NL	0.00022	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Bis (2-ethyl-hexyl) phthalate	NL	1,600	71	NL	13	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Bromophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Butyl benzyl phthalate	NL	16,000	530	NL	13	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chloro-3-methylphenol, 4-(chlorocresol))	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chloronaphthalene, 2-(beta-chloronaphthalene)	NL	6,400	NL	NL	34	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chlorophenol, 2-	NL	400	NL	NL	0.47	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chlorophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chrysene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dibenz-a,h-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichlorobenzidine, 3,3-	NL	NL	2.2	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichlorophenol, 2,4-	NL	240	NL	NL	0.17	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Diethyl phthalate	NL	64,000	NL	NL	72	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dimethyl phenol, 2,4-	NL	1,600	NL	NL	1.3	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dimethyl phthalate	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Di-n-butyl phthalate	NL	NL	NL	200	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dinitro-2-methylphenol, 4,6-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dinitrophenol, 2,4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dinitrotoluene, 2,4-	NL	160	3.2	NL	0.0017	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dinitrotoluene, 2,6-	NL	24	0.67	NL	0.00031	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Di-n-octyl phthalate	NL	800	NL	NL	270,000	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Fluoranthene	NL	3,200	NL	NL	630	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Fluorene	NL	3,200	NL	NL	100	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Hexachlorobenzene	NL	160	0.63	31	0.88	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Hexachlorocyclopentadiene	NL	480	NL	NL	190	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Hexachloroethane	NL	56	25	NL	0.043	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Indeno-1,2,3-cd-pyrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Isophorone	NL	16,000	1100	NL	0.23	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Nitrobenzene	NL	160	NL	NL	0.1	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Nitrophenol, 2-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Nitrophenol, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Nitrosodimethylamine, N-	NL	0.64	0.02	NL	0.0000038	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Nitrosodi-n-propylamine, N-	NL	NL	0.14	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Nitrosodiphenylamine, N-	NL	NL	200	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Pentachlorophenol	NL	400	2.5	11	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Phenanthrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Phenol	NL	24,000	NL	NL	11	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Pyrene	NL	2,400	NL	NL	650	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichlorophenol, 2,4,6-	NL	80	91	NL	0.046	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
PAHs (Method 8270)																		
Acenaphthene	NL	4,800	NL	NL	98	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Acenaphthylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Anthracene	NL	24,000	NL	NL	2,300	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benzo-a-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benzo-a-pyrene	0.1	24	0.19	30	3.9	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benzo-b-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benzo-g,h,i-perylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benzo-k-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chloronaphthalene, 2-(beta-chloronaphthalene)	NL	6,400	NL	NL	34	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chrysene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dibenz-a,h-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Fluoranthene	NL	3,200	NL	NL	630	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Fluorene	NL	3,200	NL	NL	100	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Indeno-1,2,3-cd-pyrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Methylnaphthalene, 1-	NL	5600	34	NL	0.082	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Methylnaphthalene, 2-	NL	320		NL	1.7	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Phenanthrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Pyrene	NL	2,400	NL	NL	650	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
PCBs (Method 8082)																		
Aroclor 1016	NL	5.6	14.00	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Aroclor 1221	NL	NL		NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Aroclor 1232	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Aroclor 1242	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Aroclor 1248	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Aroclor 1254	NL	1.6	0.50	NL	0.71	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Aroclor 1260	NL	NL	0.50	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	

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Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

[illegible]

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[illegible]

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB43						SB-44				SB-45	
Laboratory Identification							L1178043-19	L1178043-20	L1178043-21	L1178043-22	L1178043-23	L1178043-24	L1177542-48	L1177542-49	L1177542-50	L1177542-51	L1178043-25	L1178043-26
Sample Date							1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/8/2020	1/8/2020
Depth Range							2 - 3 ft	4 - 6 ft	8 - 9 ft	10 - 11 ft	11 - 12 ft	16 - 17 ft	2 - 3 ft	6 - 8 ft	9 - 11 ft	15 - 16 ft	0 - 1 ft	1 - 2 ft
Hydrocarbon																		
Gasoline range organics(Benzene Present)	30	NL	NL	200	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Gasoline range organics (Benzene NonDetect)	100	NL	NL	200	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Diesel range organics	2000	NL	NL	460	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Total Diesel/Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Metals																		
Arsenic	20	24	0.67	20	2.9	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	6.69	8.23
Barium	NL	16000	NL	1250	1600	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Cadmium	2	80	NL	25	0.69	mg/kg	0.4640 J	0.1710 J	0.389 J	0.3190 J	0.4670 J	0.24 J	NT	NT	NT	NT	NT	NT
Lead	250	NL	NL	220	3000	mg/kg	170	57.7	66.8	41.6	104	12.5	10.9	11.9	33.5	9.68	NT	NT
Mercury	2	NL	NL	9	2.1	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Selenium	NL	400	NL	0.8	5.2	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Silver	NL	400	NL	NL	14	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Total Chromium	NL	NL	NL	42	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chromium,Hexavalent	19	240	NL	NL	18.00	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chromium,Trivalent	2000	120000	NL	NL	480000	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Other																		
% Moisture	NL	NL	NL	NL	NL	%	83.8	86.1	83.4	83.9	87.3	77.7	92.8	92.2	73.1	77.3	90.5	92.6
pH	NL	NL	NL	NL	NL	s.u.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Herbicides (Method 8151)																		
4-(chloro-2-methylphenoxy) acetic acid	NL	40	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dalapon, sodium salt	NL	2400	NL	NL	0.81	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dicamba	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorophenoxy, 2,4- butyric acid, 4-(db,2,4-)	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorophenoxyacetic acid, 2,4-	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlororoprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dinoseb	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TP Silvex, 2,4,5-	NL	640	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichlorophenoxyacetic acid, 2,4,5-	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Organophosphate Pesticides (Method 8141)																		
Azinphos-methyl	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlorpyrifos	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Coumaphos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Demeton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Diazinon	NL	56	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorvos	NL	40.00	3.40	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dimethoate	NL	180	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Disulfoton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
EPN (ethyl p-nitrophenyl phenylphosphorothioate)	NL	0.8	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ethoprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fensulfotion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fenthion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
lindane	0.01	24.00	0.91	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Malathion	NL	1600	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
MCPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Merphos	NL	2.4	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methyl parathion	NL	20	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Naled	NL	160	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Parathion	NL	480	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phorate	NL	16	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phosdrin (mevinphos)	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Prothiofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ronnel	NL	4000	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Sulprofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TEPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tetrachlorvinphos	NL	2400	42	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichloronate	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
OrganoChlorine Pesticides (Method 8081)																		
Aldrin	NL	2.4	0.059	0.17	0.0025	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlordane	NL	NL	NL	1	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DDD	NL	2.4	4.20	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DDE	NL	24	2.90	NL	0.45	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DDT	3	40.00	2.90	NL	3.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dieldrin	NL	4	0.063	0.17	0.0028	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endosulfan I	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endosulfan II	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endosulfan sulfate	NL	480	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endrin	NL	24	NL	0.4	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endrin aldehyde	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endrin ketone	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Heptachlor	NL	40	0.22	NL	0.038	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Heptachlor epoxide	NL	1	0.11	NL	0.08	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclohexane, alpha	NL	640	0.16	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclohexane, beta	NL	NL	0.56	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclohexane, delta	NL	NL	0.56	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methoxychlor	NL	400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tetraethyl dithiopyrophosphate	NL	40	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Toxaphene	NL	7.2	0.91	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

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Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB43						SB-44				SB-45	
							L1178043-19	L1178043-20	L1178043-21	L1178043-22	L1178043-23	L1178043-24	L1177542-48	L1177542-49	L1177542-50	L1177542-51	L1178043-25	L1178043-26
							1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/8/2020	1/8/2020
Depth Range							2 - 3 ft	4 - 6 ft	8 - 9 ft	10 - 11 ft	11 - 12 ft	16 - 17 ft	2 - 3 ft	6 - 8 ft	9 - 11 ft	15 - 16 ft	0 - 1 ft	1 - 2 ft
VOAs																		
Acetone	NL	72000	NL	NL	29	mg/kg	NT	NT	NT	NT	NT	NT	0.0375	0.0495	0.0855	0.07 J3	NT	NT
Acrylonitrile	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	<0.00223	<0.00317	<0.00301	<0.00278	NT	NT
Benzene	0.03	320	18	NL	0.027	mg/kg	NT	NT	NT	NT	NT	NT	0.00050 J	0.001020 J	0.00414	0.00252	NT	NT
Bromobenzene	NL	640	NL	NL	0.56	mg/kg	NT	NT	NT	NT	NT	NT	<0.00123	<0.00175	<0.00167	<0.00153	NT	NT
Bromodichloromethane	NL	1,600	16	NL	0.036	mg/kg	NT	NT	NT	NT	NT	NT	<0.000926	<0.00132	<0.00125	<0.00115	NT	NT
Bromoform	NL	1,600	130	NL	0.36	mg/kg	NT	NT	NT	NT	NT	NT	<0.00703	<0.00999	<0.00949	<0.00874	NT	NT
Bromomethane	NL	110	NL	NL	0.05	mg/kg	NT	NT	NT	NT	NT	NT	<0.00435	<0.00618	<0.00587	<0.00541	NT	NT
Butylbenzene, n-	NL	4,000	NL	NL	14	mg/kg	NT	NT	NT	NT	NT	NT	<0.00451	<0.00641	<0.00609	<0.00561	NT	NT
Butylbenzene, sec-	NL	8,000	NL	NL	25	mg/kg	NT	NT	NT	NT	NT	NT	<0.00297	<0.00423	<0.00401	<0.0037	NT	NT
Butylbenzene, tert-	NL	8,000	NL	NL	20	mg/kg	NT	NT	NT	NT	NT	NT	<0.00182	<0.00259	<0.00246	<0.00227	NT	NT
Carbon tetrachloride	NL	320	14	NL	0.042	mg/kg	NT	NT	NT	NT	NT	NT	<0.00127	<0.0018	<0.00171	<0.00158	NT	NT
Chlorobenzene	NL	1,600	NL	NL	0.86	mg/kg	NT	NT	NT	NT	NT	NT	<0.000673	<0.000957	<0.000909	<0.000837	NT	NT
Chloroethane (ethyl chloride)	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	<0.00127	<0.0018	<0.00171	<0.00158	NT	NT
Chloroform	NL	800	32	NL	0.074	mg/kg	NT	NT	NT	NT	NT	NT	<0.000488	<0.000693	<0.000658	0.000657 J	NT	NT
Chloromethane	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	<0.00163	<0.00232	<0.00221	<0.00203	NT	NT
Chlorotoluene, o-	NL	1600	NL	NL	1.9	mg/kg	NT	NT	NT	NT	NT	NT	<0.00108	<0.00154	<0.00146	<0.00134	NT	NT
Chlorotoluene, p-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	<0.00133	<0.00189	<0.00179	<0.00165	NT	NT
Cumene	NL	8,000	NL	NL	15	mg/kg	NT	NT	NT	NT	NT	NT	<0.00101	<0.00144	<0.00137	<0.00126	NT	NT
Cymene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	<0.00274	0.00568 J	<0.0037	0.0392	NT	NT
Dibromo-3-chloropropane, 1,2-	NL	16	1.3	NL	0.0013	mg/kg	NT	NT	NT	NT	NT	NT	<0.00599	<0.00852	<0.00809	<0.00745	NT	NT
Dibromochloromethane	NL	1,600	12	NL	0.028	mg/kg	NT	NT	NT	NT	NT	NT	<0.000529	<0.000752	<0.000714	<0.000658	NT	NT
Dichlorobenzene, 1,2-	NL	7,200	NL	NL	7	mg/kg	NT	NT	NT	NT	NT	NT	<0.0017	<0.00242	<0.0023	<0.00212	NT	NT
Dichlorobenzene, 1,3-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	<0.002	<0.00284	<0.0027	<0.00248	NT	NT
Dichlorobenzene, 1,4-	NL	5,600	190	NL	1.2	mg/kg	NT	NT	NT	NT	NT	NT	<0.00231	<0.00329	<0.00313	<0.00288	NT	NT
Dichlorodifluoromethane	NL	16,000	NL	NL	38	mg/kg	NT	NT	NT	NT	NT	NT	<0.000961	<0.00137	<0.0013	<0.0012	NT	NT
Dichloroethane, 1,1-	NL	16,000	180	NL	0.041	mg/kg	NT	NT	NT	NT	NT	NT	<0.000676	<0.000961	<0.000912	<0.00084	NT	NT
Dichloroethane, 1,2-	NL	480	11	NL	0.023	mg/kg	NT	NT	NT	NT	NT	NT	<0.000558	<0.000794	<0.000754	<0.000694	NT	NT
Dichloroethylene, 1,1-	NL	4,000	NL	NL	0.046	mg/kg	NT	NT	NT	NT	NT	NT	<0.000587	<0.000835	<0.000793	<0.000731	NT	NT
Dichloroethylene, cis-1,2-	NL	160	NL	NL	0.078	mg/kg	NT	NT	NT	NT	NT	NT	<0.000811	<0.00115	<0.00109	<0.00101	NT	NT
Dichloroethylene, trans-1,2	NL	1,600	NL	NL	0.52	mg/kg	NT	NT	NT	NT	NT	NT	<0.00168	<0.00239	<0.00227	<0.00209	NT	NT
Dichloropropane, 1,2-	NL	3,200	27	NL	0.025	mg/kg	NT	NT	NT	NT	NT	NT	<0.00149	<0.00212	<0.00201	<0.00186	NT	NT
Dichloropropane, 1,3-	NL	1,600	NL	NL	0.88	mg/kg	NT	NT	NT	NT	NT	NT	<0.00206	<0.00292	<0.00278	<0.00256	NT	NT
Dichloropropane, 2,2-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	<0.000932	<0.00132	<0.00126	<0.00116	NT	NT
Dichloropropene, 1,1-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	<0.000822	<0.00117	<0.00111	<0.00102	NT	NT
Dichloropropene, cis 1,3-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	<0.000797	<0.00113	<0.00108	<0.000991	NT	NT
Dichloropropene, trans 1,3-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	<0.0018	<0.00256	<0.00243	<0.00224	NT	NT
Diisopropyl ether	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	<0.000411	<0.000585	<0.000555	<0.000512	NT	NT
Ethyl benzene	6	8,000	NL	NL	5.9	mg/kg	NT	NT	NT	NT	NT	NT	<0.000623	0.0111	0.002970 J	0.001460 J	NT	NT
Ethylene dibromide	0.005	720	0.5	NL	0.00027	mg/kg	NT	NT	NT	NT	NT	NT	<0.000617	<0.000877	<0.000833	<0.000767	NT	NT
Hexachlorobutadiene	NL	80	13.00	NL	0.60	mg/kg	NT	NT	NT	NT	NT	NT	<0.0149	<0.0212	<0.0201	<0.0186	NT	NT
Methyl ethyl ketone	NL	48,000	NL	NL	20	mg/kg	NT	NT	NT	NT	NT	NT	0.0395 B	0.0472 B	0.1420 B	0.0208 J	NT	NT
Methyl isobutyl ketone	NL	6,400	NL	NL	2.7	mg/kg	NT	NT	NT	NT	NT	NT	<0.0117	<0.0167	<0.0159	<0.0146	NT	NT
Methylene bromide	NL	800	NL	NL	0.36	mg/kg	NT	NT	NT	NT	NT	NT	<0.00117	<0.00167	<0.00159	<0.00146	NT	NT
Methylene chloride	0.02	480	94	NL	0.021	mg/kg	NT	NT	NT	NT	NT	NT	0.0092 J	<0.0111	0.0114 J	<0.0097	NT	NT
MTBE	0.1	NL	560	NL	0.10	mg/kg	NT	NT	NT	NT	NT	NT	<0.000347	<0.000493	<0.000468	<0.000431	NT	NT
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	NT	NT	NT	NT	NT	NT	<0.00367	<0.00521	<0.00495	<0.00456	NT	NT
Propylbenzene, n-	NL	8,000	NL	NL	16	mg/kg	NT	NT	NT	NT	NT	NT	<0.00139	<0.00197	<0.00187	0.00222 J	NT	NT
Styrene	NL	16,000	NL	NL	2.2	mg/kg	NT	NT	NT	NT	NT	NT	<0.00321	<0.00456	<0.00433	<0.00399	NT	NT
Tetrachloroethane, 1,1,1,2-	NL	2,400	38	NL	0.0098	mg/kg	NT	NT	NT	NT	NT	NT	<0.000587	<0.000835	<0.000793	<0.000731	NT	NT
Tetrachloroethane, 1,1,2,2-	NL	1,600	5	NL	0.0012	mg/kg	NT	NT	NT	NT	NT	NT	<0.000458	<0.000652	<0.000619	<0.00057	NT	NT
Tetrachloroethylene	0.05	480	480	NL	0.05	mg/kg	NT	NT	NT	NT	NT	NT	<0.000822	<0.00117	<0.00111	<0.00102	NT	NT
Toluene	7	6,400	NL	NL	4.5	mg/kg	NT	NT	NT	NT	NT	NT	0.00430 J	0.0682	0.0332	0.00833	NT	NT
Trichloro-1,2,2-trifluoroethane, 1,1,2-	NL	2,400,000	NL	NL	7,600	mg/kg	NT	NT	NT	NT	NT	NT	<0.000793	<0.00113	<0.00107	<9.869999E-	NT	NT
Trichlorobenzene, 1,2,3-	NL	64	NL	NL	0.2	mg/kg	NT	NT	NT	NT	NT	NT	<0.000734	<0.00104	<0.000992	<0.000913	NT	NT
Trichlorobenzene, 1,2,4-	NL	800	34	NL	0.56	mg/kg	NT	NT	NT	NT	NT	NT	<0.00566	<0.00805	<0.00765	<0.00704	NT	NT
Trichloroethane, 1,1,1-	2	160,000	NL	NL	1.5	mg/kg	NT	NT	NT	NT	NT	NT	<0.000323	<0.000459	<0.000436	<0.000402	NT	NT
Trichloroethane, 1,1,2-	NL	320	18	NL	0.017	mg/kg	NT	NT	NT	NT	NT	NT	<0.00104	<0.00148	<0.0014	<0.00129	NT	NT
Trichloroethylene	0.03	40	12.00	NL	0.025	mg/kg	NT	NT	NT	NT	NT	NT	<0.00047	<0.000668	<0.000635	<0.000585	NT	NT
Trichlorofluoromethane	NL	24,000	NL	NL	23	mg/kg	NT	NT	NT	NT	NT	NT	<0.000587	<0.000835	<0.000793	<0.000731	NT	NT
Trichloropropane, 1,2,3-	NL	320	0.0063	NL	0.0000024	mg/kg	NT	NT	NT	NT	NT	NT	<0.00599	<0.00852	<0.00809	<0.00745	NT	NT
Trimethylbenzene, 1,2,3-	NL	800	NL	NL	1.3	mg/kg	NT	NT	NT	NT	NT	NT	<0.00135	<0.00192	0.00857	0.00292 J	NT	NT
Trimethylbenzene, 1,2,4-	NL	800	NL	NL	1.3	mg/kg	NT	NT	NT	NT	NT	NT	0.00301 B J	0.00563 B J	0.01740 B	0.0045 J	NT	NT
Trimethylbenzene, 1,3,5-	NL	800	NL	NL	1.3	mg/kg	NT	NT	NT	NT	NT	NT	<0.00127	<0.0018	0.00832	<0.00158	NT	NT
Vinyl chloride	NL	240	0.67	NL	0.0017	mg/kg	NT	NT	NT	NT	NT	NT	<0.000802	<0.00114	<0.00108	<0.000998	NT	NT
Xylenes	9	16,000	9	NL	14	mg/kg	NT	NT	NT	NT	NT	NT	<0.00562	0.0438	0.0107	<0.00699	NT	NT

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method C Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB43						SB-44				SB-45	
Laboratory Identification							L1178043-19	L1178043-20	L1178043-21	L1178043-22	L1178043-23	L1178043-24	L1177542-48	L1177542-49	L1177542-50	L1177542-51	L1178043-25	L1178043-26
							1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/8/2020	1/8/2020
							2 - 3 ft	4 - 6 ft	8 - 9 ft	10 - 11 ft	11 - 12 ft	16 - 17 ft	2 - 3 ft	6 - 8 ft	9 - 11 ft	15 - 16 ft	0 - 1 ft	1 - 2 ft
SVOCs (Method 8270)																		
Acenaphthene	NL	4,800	NL	NL	98	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Acenaphthylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Anthracene	NL	24,000	NL	NL	2,300	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-a-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzidine	NL	240	0.0043	NL	0.000011	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-a-pyrene	0.1	24	0.19	30	3.9	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-b-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-g,h,i-perylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-k-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis (2-chloroethoxy) methane	NL	240	NL	NL	0.21	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis (2-chloroethyl) ether	NL	NL	0.91	NL	0.00022	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis (2-ethyl-hexyl) phthalate	NL	1,600	71	NL	13	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bromophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Butyl benzyl phthalate	NL	16,000	530	NL	13	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chloro-3-methylphenol, 4-(chlorocresol)	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chloronaphthalene, 2-(beta-chloronaphthalene)	NL	6,400	NL	NL	34	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlorophenol, 2-	NL	400	NL	NL	0.47	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlorophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chrysene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dibenz-a,h-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorobenzidine, 3,3-	NL	NL	2.2	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorophenol, 2,4-	NL	240	NL	NL	0.17	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Diethyl phthalate	NL	64,000	NL	NL	72	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dimethyl phenol, 2,4-	NL	1,600	NL	NL	1.3	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dimethylphthalate	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Di-n-butyl phthalate	NL	NL	NL	200	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dinitro-2-methylphenol, 4,6-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dinitrophenol, 2,4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dinitrotoluene, 2,4-	NL	160	3.2	NL	0.0017	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dinitrotoluene, 2,6-	NL	24	0.67	NL	0.00031	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Di-n-octyl phthalate	NL	800	NL	NL	270,000	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluoranthene	NL	3,200	NL	NL	630	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluorene	NL	3,200	NL	NL	100	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorobenzene	NL	160	0.63	31	0.88	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclopentadiene	NL	480	NL	NL	190	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachloroethane	NL	56	25	NL	0.043	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Indeno-1,2,3-cd-pyrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Isophorone	NL	16,000	1100	NL	0.23	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nitrobenzene	NL	160	NL	NL	0.1	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nitrophenol, 2-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nitrophenol, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nitrosodimethylamine, N-	NL	0.64	0.02	NL	0.0000038	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nitrosodi-n-propylamine, N-	NL	NL	0.14	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nitrosodiphenylamine, N-	NL	NL	200	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Pentachlorophenol	NL	400	2.5	11	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phenanthrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phenol	NL	24,000	NL	NL	11	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Pyrene	NL	2,400	NL	NL	650	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichlorophenol, 2,4,6-	NL	80	91	NL	0.046	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
PAHs (Method 8270)																		
Acenaphthene	NL	4,800	NL	NL	98	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Acenaphthylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Anthracene	NL	24,000	NL	NL	2,300	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-a-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-a-pyrene	0.1	24	0.19	30	3.9	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-b-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-g,h,i-perylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-k-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chloronaphthalene, 2-(beta-chloronaphthalene)	NL	6,400	NL	NL	34	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chrysene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dibenz-a,h-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluoranthene	NL	3,200	NL	NL	630	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluorene	NL	3,200	NL	NL	100	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Indeno-1,2,3-cd-pyrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methylnaphthalene, 1-	NL	5600	34	NL	0.082	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methylnaphthalene, 2-	NL	320	NL	NL	1.7	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phenanthrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Pyrene	NL	2,400	NL	NL	650	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
PCBs (Method 8082)																		
Aroclor 1016	NL	5.6	14.00	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1221	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1232	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1242	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1248	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1254	NL	1.6	0.50	NL	0.71	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1260	NL	NL	0.50	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB-46						SB47		SB48		SB49	
Laboratory Identification							L1178043-27	L1178043-28 L1180378-12	L1178043-29	L1178043-30	L1178043-31	L1178043-32	L1177542-52	L1177542-53	L1177542-54	L1177542-55	L1177542-56	L1177542-57
Sample Date							1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020
Depth Range							0 - 1 ft	1 - 2 ft	9 - 10 ft	14 - 15 ft	16 - 18 ft	20 - 22 ft	0 - 1 ft	1 - 2 ft	0 - 1 ft	1 - 2 ft	0 - 1 ft	1 - 2 ft
Hydrocarbon																		
Gasoline range organics(Benzene Present)	30	NL	NL	200	NL	mg/kg	<0.914	<0.974	<1	<0.994	<1.09	<0.92	<0.895	<0.893	1.7 J	<0.902	<0.944	1.27 J
Gasoline range organics (Benzene NonDetect)	100	NL	NL	200	NL	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--
Diesel range organics	2000	NL	NL	460	NL	mg/kg	29.1 J	<143	<15.7	10.5 J	8.12	4.14 J	<140	3.9 J	<144	<70.8	<74.8	<70.6
Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	318	1910	131	98.9	59.4	24.2	1740	36	1840	500 J	1100	618
Total Diesel/Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	347.1	1981.5	138.85	109.4	67.52	28.34	1810	39.9	1912	535.4	1137.4	653.3
Metals																		
Arsenic	20	24	0.67	20	2.9	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Barium	NL	16000	NL	1250	1600	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Cadmium	2	80	NL	25	0.69	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Lead	250	NL	NL	220	3000	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Mercury	2	NL	NL	9	2.1	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Selenium	NL	400	NL	0.8	5.2	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Silver	NL	400	NL	NL	14	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Total Chromium	NL	NL	NL	42	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chromium,Hexavalent	19	240	NL	NL	18.00	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chromium,Trivalent	2000	120000	NL	NL	480000	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Other																		
% Moisture	NL	NL	NL	NL	NL	%	92.7	93.3	84.6	85.3	90.3	92.1	94.7	94.9	92.6	94	89.8	94.2
pH	NL	NL	NL	NL	NL	s.u.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Herbicides (Method 8151)																		
4-(chloro-2-methylphenoxy) acetic acid	NL	40	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dalapon, sodium salt	NL	2400	NL	NL	0.81	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dicamba	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorophenoxy, 2,4- butyric acid, 4-(db,2,4-)	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorophenoxyacetic acid, 2,4-	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichloroprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dinoseb	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TP Silvex, 2,4,5-	NL	640	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichlorophenoxyacetic acid, 2,4,5-	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Organophosphate Pesticides (Method 8141)																		
Azinphos-methyl	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlorpyrifos	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Coumaphos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Demeton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Diazinon	NL	56	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorvos	NL	40.00	3.40	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dimethoate	NL	180	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Disulfoton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
EPN (ethyl p-nitrophenyl phenylphosphorothioate)	NL	0.8	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ethoprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fensulfotion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fenthion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
lindane	0.01	24.00	0.91	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Malathion	NL	1600	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
MCPPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Merphos	NL	2.4	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methyl parathion	NL	20	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Naled	NL	160	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Parathion	NL	480	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phorate	NL	16	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phosdrin (mevinphos)	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Prothiofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ronnel	NL	4000	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Sulprofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TEPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tetrachlorvinphos	NL	2400	42	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichloronate	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
OrganoChlorine Pesticides (Method 8081)																		
Aldrin	NL	2.4	0.059	0.17	0.0025	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlordane	NL	NL	NL	1	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DDD	NL	2.4	4.20	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DDE	NL	24	2.90	NL	0.45	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DDT	3	40.00	2.90	NL	3.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dieldrin	NL	4	0.063	0.17	0.0028	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endosulfan I	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endosulfan II	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endosulfan sulfate	NL	480	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endrin	NL	24	NL	0.4	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endrin aldehyde	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endrin ketone	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Heptachlor	NL	40	0.22	NL	0.038	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Heptachlor epoxide	NL	1	0.11	NL	0.08	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclohexane, alpha	NL	640	0.16	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclohexane, beta	NL	NL	0.56	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclohexane, delta	NL	NL	0.56	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methoxychlor	NL	400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tetraethyl dithiopyrophosphate	NL	40	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Toxaphene	NL	7.2	0.91	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB-46						SB47		SB48		SB49	
L1178043-27							L1178043-28 L1180378-12	L1178043-29	L1178043-30	L1178043-31	L1178043-32	L1177542-52	L1177542-53	L1177542-54	L1177542-55	L1177542-56	L1177542-57	
1/8/2020							1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	
Depth Range							0 - 1 ft	1 - 2 ft	9 - 10 ft	14 - 15 ft	16 - 18 ft	20 - 22 ft	0 - 1 ft	1 - 2 ft	0 - 1 ft	1 - 2 ft	0 - 1 ft	1 - 2 ft
VOAs																		
Acetone	NL	72000	NL	NL	29	mg/kg	0.0457	0.0503	0.0307	0.0349	<0.0176	0.0230 J	NT	NT	NT	NT	NT	NT
Acrylonitrile	NL	NL	NL	NL	NL	mg/kg	<0.00205	<0.00218	<0.00225	<0.00223	<0.00244	<0.00206	NT	NT	NT	NT	NT	NT
Benzene	0.03	320	18	NL	0.027	mg/kg	0.000725 J	0.000544 J	0.00127	0.000814 J	0.000610 J	<0.000434	NT	NT	NT	NT	NT	NT
Bromobenzene	NL	640	NL	NL	0.56	mg/kg	<0.00113	<0.0012	<0.00124	<0.00123	<0.00135	<0.00114	NT	NT	NT	NT	NT	NT
Bromodichloromethane	NL	1,600	16	NL	0.036	mg/kg	<0.00085	<0.000904	<0.000932	<0.000924	<0.00101	<0.000856	NT	NT	NT	NT	NT	NT
Bromoform	NL	1,600	130	NL	0.36	mg/kg	<0.00645	<0.00686	<0.00707	<0.00701	<0.00768	<0.00649	NT	NT	NT	NT	NT	NT
Bromomethane	NL	110	NL	NL	0.05	mg/kg	<0.00399	<0.00424	<0.00438	<0.00434	<0.00475	<0.00402	NT	NT	NT	NT	NT	NT
Butylbenzene, n-	NL	4,000	NL	NL	14	mg/kg	<0.00414	<0.0044	<0.00454	<0.0045	<0.00493	<0.00417	NT	NT	NT	NT	NT	NT
Butylbenzene, sec-	NL	8,000	NL	NL	25	mg/kg	<0.00273	<0.0029	<0.00299	<0.00297	<0.00325	<0.00275	NT	NT	NT	NT	NT	NT
Butylbenzene, tert-	NL	8,000	NL	NL	20	mg/kg	<0.00167	<0.00178	<0.00183	<0.00182	<0.00199	<0.00168	NT	NT	NT	NT	NT	NT
Carbon tetrachloride	NL	320	14	NL	0.042	mg/kg	<0.00116	<0.00124	<0.00128	<0.00127	<0.00139	<0.00117	NT	NT	NT	NT	NT	NT
Chlorobenzene	NL	1,600	NL	NL	0.86	mg/kg	<0.000618	<0.000657	<0.000678	<0.000672	<0.000736	<0.000622	NT	NT	NT	NT	NT	NT
Chloroethane (ethyl chloride)	NL	NL	NL	NL	NL	mg/kg	<0.00116	<0.00124	<0.00128	<0.00127	<0.00139	<0.00117	NT	NT	NT	NT	NT	NT
Chloroform	NL	800	32	NL	0.074	mg/kg	<0.000448	<0.000476	<0.000491	<0.000487	<0.000533	<0.000451	NT	NT	NT	NT	NT	NT
Chloromethane	NL	NL	NL	NL	NL	mg/kg	<0.0015	<0.00159	<0.00164	<0.00163	<0.00179	<0.00151	NT	NT	NT	NT	NT	NT
Chlorotoluene, o-	NL	1600	NL	NL	1.9	mg/kg	<0.000992	<0.00105	<0.00109	<0.00108	<0.00118	<0.000999	NT	NT	NT	NT	NT	NT
Chlorotoluene, p-	NL	NL	NL	NL	NL	mg/kg	<0.00122	<0.0013	<0.00134	<0.00132	<0.00145	<0.00123	NT	NT	NT	NT	NT	NT
Cumene	NL	8,000	NL	NL	15	mg/kg	<0.000931	<0.00099	<0.00102	<0.00101	<0.00111	<0.000937	NT	NT	NT	NT	NT	NT
Cymene	NL	NL	NL	NL	NL	mg/kg	<0.00251	<0.00267	0.00776	0.0571	0.0635	0.0131	NT	NT	NT	NT	NT	NT
Dibromo-3-chloropropane, 1,2-	NL	16	1.3	NL	0.0013	mg/kg	<0.0055	<0.00585	<0.00603	<0.00598	<0.00655	<0.00554	NT	NT	NT	NT	NT	NT
Dibromochloromethane	NL	1,600	12	NL	0.028	mg/kg	<0.000485	<0.000516	<0.000532	<0.000528	<0.000578	<0.000489	NT	NT	NT	NT	NT	NT
Dichlorobenzene, 1,2-	NL	7,200	NL	NL	7	mg/kg	<0.00156	<0.00166	<0.00171	<0.0017	<0.00186	<0.00157	NT	NT	NT	NT	NT	NT
Dichlorobenzene, 1,3-	NL	NL	NL	NL	NL	mg/kg	<0.00183	<0.00195	<0.00201	<0.00199	<0.00218	<0.00185	NT	NT	NT	NT	NT	NT
Dichlorobenzene, 1,4-	NL	5,600	190	NL	1.2	mg/kg	<0.00213	<0.00226	<0.00233	<0.00231	<0.00253	<0.00214	NT	NT	NT	NT	NT	NT
Dichlorodifluoromethane	NL	16,000	NL	NL	38	mg/kg	<0.000882	<0.000938	<0.000967	<0.000959	<0.00105	<0.000888	NT	NT	NT	NT	NT	NT
Dichloroethane, 1,1-	NL	16,000	180	NL	0.041	mg/kg	<0.00062	<0.000659	<0.00068	<0.000674	<0.000739	<0.000624	NT	NT	NT	NT	NT	NT
Dichloroethane, 1,2-	NL	480	11	NL	0.023	mg/kg	<0.000512	<0.000545	<0.000562	<0.000557	<0.00061	<0.000516	NT	NT	NT	NT	NT	NT
Dichloroethylene, 1,1-	NL	4,000	NL	NL	0.046	mg/kg	<0.000539	<0.000573	<0.000591	<0.000586	<0.000642	<0.000543	NT	NT	NT	NT	NT	NT
Dichloroethylene, cis-1,2-	NL	160	NL	NL	0.078	mg/kg	<0.000744	<0.000791	<0.000816	<0.000809	<0.000886	<0.000749	NT	NT	NT	NT	NT	NT
Dichloroethylene, trans-1,2	NL	1,600	NL	NL	0.52	mg/kg	<0.00154	<0.00164	<0.00169	<0.00168	<0.00184	<0.00155	NT	NT	NT	NT	NT	NT
Dichloropropane, 1,2-	NL	3,200	27	NL	0.025	mg/kg	<0.00137	<0.00146	<0.0015	<0.00149	<0.00163	<0.00138	NT	NT	NT	NT	NT	NT
Dichloropropane, 1,3-	NL	1,600	NL	NL	0.88	mg/kg	<0.00189	<0.00201	<0.00207	<0.00205	<0.00225	<0.0019	NT	NT	NT	NT	NT	NT
Dichloropropane, 2,2-	NL	NL	NL	NL	NL	mg/kg	<0.000855	<0.000909	<0.000938	<0.00093	<0.00102	<0.000861	NT	NT	NT	NT	NT	NT
Dichloropropene, 1,1-	NL	NL	NL	NL	NL	mg/kg	<0.000755	<0.000803	<0.000828	<0.000821	<0.000899	<0.00076	NT	NT	NT	NT	NT	NT
Dichloropropene, cis 1,3-	NL	NL	NL	NL	NL	mg/kg	<0.000731	<0.000777	<0.000802	<0.000795	<0.000871	<0.000736	NT	NT	NT	NT	NT	NT
Dichloropropene, trans 1,3-	NL	NL	NL	NL	NL	mg/kg	<0.00165	<0.00175	<0.00181	<0.00179	<0.00197	<0.00166	NT	NT	NT	NT	NT	NT
Diisopropyl ether	NL	NL	NL	NL	NL	mg/kg	<0.000378	<0.000401	<0.000414	<0.00041	<0.00045	<0.00038	NT	NT	NT	NT	NT	NT
Ethyl benzene	6	8,000	NL	NL	5.9	mg/kg	0.000660 J	0.002240 J	0.000702 J	<0.000621	<0.000681	0.001370 J	NT	NT	NT	NT	NT	NT
Ethylene dibromide	0.005	720	0.5	NL	0.00027	mg/kg	<0.000566	<0.000602	<0.000621	<0.000615	<0.000674	<0.00057	NT	NT	NT	NT	NT	NT
Hexachlorobutadiene	NL	80	13.00	NL	0.60	mg/kg	<0.0137	<0.0146	<0.015	<0.0149	<0.0163	<0.0138	NT	NT	NT	NT	NT	NT
Methyl ethyl ketone	NL	48,000	NL	NL	20	mg/kg	<0.0135	<0.0143	<0.0148	<0.0147	<0.0161	<0.0136	NT	NT	NT	NT	NT	NT
Methyl isobutyl ketone	NL	6,400	NL	NL	2.7	mg/kg	<0.0108	<0.0115	<0.0118	<0.0117	<0.0128	<0.0109	NT	NT	NT	NT	NT	NT
Methylene bromide	NL	800	NL	NL	0.36	mg/kg	<0.00108	<0.00115	<0.00118	<0.00117	<0.00128	<0.00109	NT	NT	NT	NT	NT	NT
Methylene chloride	0.02	480	94	NL	0.021	mg/kg	<0.00716	<0.00761	<0.00785	<0.00778	<0.00853	<0.00721	NT	NT	NT	NT	NT	NT
MTBE	0.1	NL	560	NL	0.10	mg/kg	<0.000318	<0.000338	<0.000349	<0.000346	<0.000379	<0.00032	NT	NT	NT	NT	NT	NT
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	0.00470 B J	0.00430 B J	<0.00369	<0.00366	<0.00401	<0.00339	NT	NT	NT	NT	NT	NT
Propylbenzene, n-	NL	8,000	NL	NL	16	mg/kg	<0.00127	<0.00135	<0.0014	0.00148 J	0.00174 J	<0.00128	NT	NT	NT	NT	NT	NT
Styrene	NL	16,000	NL	NL	2.2	mg/kg	<0.00294	<0.00313	<0.00323	<0.0032	<0.00351	<0.00296	NT	NT	NT	NT	NT	NT
Tetrachloroethane, 1,1,1,2-																		

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB-46						SB47		SB48		SB49	
Laboratory Identification							L1178043-27	L1178043-28 L1180378-12	L1178043-29	L1178043-30	L1178043-31	L1178043-32	L1177542-52	L1177542-53	L1177542-54	L1177542-55	L1177542-56	L1177542-57
Sample Date							1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020
Depth Range							0 - 1 ft	1 - 2 ft	9 - 10 ft	14 - 15 ft	16 - 18 ft	20 - 22 ft	0 - 1 ft	1 - 2 ft	0 - 1 ft	1 - 2 ft	0 - 1 ft	1 - 2 ft
SVOCs (Method 8270)																		
Acenaphthene	NL	4,800	NL	NL	NL	98 mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Acenaphthylene	NL	NL	NL	NL	NL	NL mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Anthracene	NL	24,000	NL	NL	NL	2,300 mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-a-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzidine	NL	240	0.0043	NL	NL	0.000011 mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-a-pyrene	0.1	24	0.19	30	NL	3.9 mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-b-fluoranthene	NL	NL	NL	NL	NL	NL mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-g,h,i-perylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-k-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis (2-chloroethoxy) methane	NL	240	NL	NL	NL	0.21 mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis (2-chloroethyl) ether	NL	NL	0.91	NL	NL	0.00022 mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis (2-ethyl-hexyl) phthalate	NL	1,600	71	NL	NL	13 mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bromophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Butyl benzyl phthalate	NL	16,000	530	NL	NL	13 mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chloro-3-methylphenol, 4- (chlorocresol))	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chloronaphthalene, 2- (beta-chloronaphthalene)	NL	6,400	NL	NL	NL	34 mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlorophenol, 2-	NL	400	NL	NL	NL	0.47 mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlorophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chrysene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dibenz-a,h-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorobenzidine, 3,3-	NL	NL	2.2	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorophenol, 2,4-	NL	240	NL	NL	NL	0.17 mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Diethyl phthalate	NL	64,000	NL	NL	NL	72 mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dimethyl phenol, 2,4-	NL	1,600	NL	NL	NL	1.3 mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dimethylphthalate	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Di-n-butyl phthalate	NL	NL	NL	200	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dinitro-2-methylphenol, 4,6-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dinitrophenol, 2,4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dinitrotoluene, 2,4-	NL	160	3.2	NL	NL	0.0017 mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dinitrotoluene, 2,6-	NL	24	0.67	NL	NL	0.00031 mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Di-n-octyl phthalate	NL	800	NL	NL	NL	270,000 mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluoranthene	NL	3,200	NL	NL	NL	630 mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluorene	NL	3,200	NL	NL	NL	100 mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorobenzene	NL	160	0.63	31	NL	0.88 mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclopentadiene	NL	480	NL	NL	NL	190 mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachloroethane	NL	56	25	NL	NL	0.043 mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Indeno-1,2,3-cd-pyrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Isophorone	NL	16,000	1100	NL	NL	0.23 mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Naphthalene	5	1,600	NL	NL	NL	4.5 mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nitrobenzene	NL	160	NL	NL	NL	0.1 mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nitrophenol, 2-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nitrophenol, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nitrosodimethylamine, N-	NL	0.64	0.02	NL	NL	0.0000038 mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nitrosodi-n-propylamine, N-	NL	NL	0.14	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nitrosodiphenylamine, N-	NL	NL	200	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Pentachlorophenol	NL	400	2.5	11	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phenanthrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phenol	NL	24,000	NL	NL	NL	11 mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Pyrene	NL	2,400	NL	NL	NL	650 mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichlorophenol, 2,4,6-	NL	80	91	NL	NL	0.046 mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
PAHs (Method 8270)																		
Acenaphthene	NL	4,800	NL	NL	NL	98 mg/kg	NT	<0.000643	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Acenaphthylene	NL	NL	NL	NL	NL	NL mg/kg	NT	<0.000643	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Anthracene	NL	24,000	NL	NL	NL	2,300 mg/kg	NT	0.002660 J	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-a-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	0.006030 J	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-a-pyrene	0.1	24	0.19	30	NL	3.9 mg/kg	NT	0.0126	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-b-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	<0.000643	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-g,h,i-perylene	NL	NL	NL	NL	NL	mg/kg	NT	0.004450 J	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-k-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	<0.000643	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chloronaphthalene, 2- (beta-chloronaphthalene)	NL	6,400	NL	NL	NL	34 mg/kg	NT	<0.00214	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chrysene	NL	NL	NL	NL	NL	mg/kg	NT	0.0141	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dibenz-a,h-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	<0.000643	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluoranthene	NL	3,200	NL	NL	NL	630 mg/kg	NT	0.0114	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluorene	NL	3,200	NL	NL	NL	100 mg/kg	NT	<0.000643	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Indeno-1,2,3-cd-pyrene	NL	NL	NL	NL	NL	mg/kg	NT	<0.000643	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methylnaphthalene, 1-	NL	5600	34	NL	NL	0.082 mg/kg	NT	<0.00214	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methylnaphthalene, 2-	NL	320	NL	NL	NL	1.7 mg/kg	NT	0.00223 J	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Naphthalene	5	1,600	NL	NL	NL	4.5 mg/kg	NT	0.00261 J	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phenanthrene	NL	NL	NL	NL	NL	mg/kg	NT	0.00918	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Pyrene	NL	2,400	NL	NL	NL	650 mg/kg	NT	0.0124	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
PCBs (Method 8082)																		
Aroclor 1016	NL	5.6	14.00	NL	NL	mg/kg	NT	<0.00376	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1221	NL	NL	NL	NL	NL	mg/kg	NT	<0.00575	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1232	NL	NL	NL	NL	NL	mg/kg	NT	<0.00447	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1242	NL	NL	NL	NL	NL	mg/kg	NT	<0.0034	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1248	NL	NL	NL	NL	NL	mg/kg	NT	<0.00337	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1254	NL	1.6	0.50	NL	NL	mg/kg	NT	0.00855 J	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1260	NL	NL	0.50	NL	NL	mg/kg	NT	<0.0053	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB50		SB51		SB52		SB53		SB54					
Laboratory Identification							L1177542-58 L1180378-10	L1177542-59	L1177542-60	L1177542-61	L1177542-62	L1177542-63	L1177542-64	L1177542-65	L1178043-33	L1178043-34	L1178043-35	L1178043-36	L1178043-37	L1178043-38
Sample Date							1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020
Depth Range							0 - 1 ft	1 - 2 ft	0 - 1 ft	1 - 2 ft	0 - 1 ft	1 - 2 ft	0 - 1 ft	1 - 2 ft	2 - 3 ft	4 - 6 ft	8 - 9 ft	10 - 11 ft	11 - 12 ft	16 - 17 ft
Hydrocarbon																				
Gasoline range organics(Benzene Present)	30	NL	NL	200	NL	mg/kg	<0.922	1.08 J	<0.905	<1.66	0.936 J	1.010 J	2.02 J	1.220 J	NT	NT	NT	NT	NT	NT
Gasoline range organics (Benzene NonDetected)	100	NL	NL	200	NL	mg/kg	--	--	--	--	--	--	--	--	NT	NT	NT	NT	NT	NT
Diesel range organics	2000	NL	NL	460	NL	mg/kg	143.0 J	41.8	292	49.7 J	139 J	176	185.0 J	53.8 J	NT	NT	NT	NT	NT	NT
Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	1110	78	1670	415	1430	743	1420	459	NT	NT	NT	NT	NT	NT
Total Diesel/Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	1253	67.52	67.52	464.7	1569	67.52	1605	512.8	NT	NT	NT	NT	NT	NT
Metals																				
Arsenic	20	24	0.67	20	2.9	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Barium	NL	16000	NL	1250	1600	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Cadmium	2	80	NL	25	0.69	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	0.2530 J	0.1700 J	0.1430 J	0.4120 J	0.8	0.61
Lead	250	NL	NL	220	3000	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	7.75	2.28	2.07	32.2	91.2	63.3
Mercury	2	NL	NL	9	2.1	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Selenium	NL	400	NL	0.8	5.2	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Silver	NL	400	NL	NL	14	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Total Chromium	NL	NL	NL	42	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chromium,Hexavalent	19	240	NL	NL	18.00	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chromium,Trivalent	2000	120000	NL	NL	480000	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Other																				
% Moisture	NL	NL	NL	NL	NL	%	91.9	90.9	93.7	87.5	94.9	94.5	94.3	90.3	92	92.2	91.9	88.8	88	83.1
pH	NL	NL	NL	NL	NL	s.u.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Herbicides (Method 8151)																				
4-(chloro-2-methylphenoxy) acetic acid	NL	40	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dalapon, sodium salt	NL	2400	NL	NL	0.81	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dicamba	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorophenoxy, 2,4- butyric acid, 4-(db;2,4-)	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorophenoxyacetic acid, 2,4-	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichloroprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dinoseb	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TP Silvex, 2,4,5-	NL	640	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichlorophenoxyacetic acid, 2,4,5-	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Organophosphate Pesticides (Method 8141)																				
Azinphos-methyl	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlorpyrifos	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Coumaphos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Demeton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Diazinon	NL	56	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorvos	NL	40.00	3.40	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dimethoate	NL	180	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Disulfoton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
EPN (ethyl p-nitrophenyl phenylphosphorothioate)	NL	0.8	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ethoprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fensulfothion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fenthion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
lindane	0.01	24.00	0.91	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Malathion	NL	1600	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
MCPPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Merphos	NL	2.4	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methyl parathion	NL	20	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Naled	NL	160	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Parathion	NL	480	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phorate	NL	16	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phosdrin (mevinphos)	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Prothiofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ronnel	NL	4000	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Sulprofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TEPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tetrachlorvinphos	NL	2400	42	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichloronate	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
OrganoChlorine Pesticides (Method 8081)																				
Aldrin	NL	2.4	0.059	0.17	0.0025	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlordane	NL	NL	NL	1	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DDD	NL	2.4	4.20	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DDE	NL	24	2.90	NL	0.45	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DDT	3	40.00	2.90	NL	3.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dieldrin	NL	4	0.063	0.17	0.0028	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endosulfan I	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endosulfan II	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endosulfan sulfate	NL	480	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endrin	NL	24	NL	0.4	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endrin aldehyde	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endrin ketone	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Heptachlor	NL	40	0.22	NL	0.038	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Heptachlor epoxide	NL	1	0.11	NL	0.08	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclohexane, alpha	NL	640	0.16	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclohexane, beta	NL	NL	0.56	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclohexane, delta	NL	NL	0.56	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methoxychlor	NL	400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tetraethyl dithiopyrophosphate	NL	40	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Toxaphene	NL	7.2	0.91	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB50		SB51		SB52		SB53		SB54					
Laboratory Identification							L1177542-58 L1180378-10	L1177542-59	L1177542-60	L1177542-61	L1177542-62	L1177542-63	L1177542-64	L1177542-65	L1178043-33	L1178043-34	L1178043-35	L1178043-36	L1178043-37	L1178043-38
Sample Date							1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/7/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020
Depth Range							0 - 1 ft	1 - 2 ft	0 - 1 ft	1 - 2 ft	0 - 1 ft	1 - 2 ft	0 - 1 ft	1 - 2 ft	2 - 3 ft	4 - 6 ft	8 - 9 ft	10 - 11 ft	11 - 12 ft	16 - 17 ft
VOAs																				
Acetone	NL	72000	NL	NL	29	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Acrylonitrile	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benzene	0.03	320	18	NL	0.027	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Bromobenzene	NL	640	NL	NL	0.56	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Bromodichloromethane	NL	1,600	16	NL	0.036	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Bromoform	NL	1,600	130	NL	0.36	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Bromomethane	NL	110	NL	NL	0.05	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Butylbenzene, n-	NL	4,000	NL	NL	14	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Butylbenzene, sec-	NL	8,000	NL	NL	25	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Butylbenzene, tert-	NL	8,000	NL	NL	20	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Carbon tetrachloride	NL	320	14	NL	0.042	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chlorobenzene	NL	1,600	NL	NL	0.86	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chloroethane (ethyl chloride)	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chloroform	NL	800	32	NL	0.074	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chloromethane	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chlorotoluene, o-	NL	1600	NL	NL	1.9	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chlorotoluene, p-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Cumene	NL	8,000	NL	NL	15	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Cymene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dibromo-3-chloropropane, 1,2-	NL	16	1.3	NL	0.0013	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dibromochloromethane	NL	1,600	12	NL	0.028	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichlorobenzene, 1,2-	NL	7,200	NL	NL	7	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichlorobenzene, 1,3-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichlorobenzene, 1,4-	NL	5,600	190	NL	1.2	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichlorodifluoromethane	NL	16,000	NL	NL	38	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloroethane, 1,1-	NL	16,000	180	NL	0.041	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloroethane, 1,2-	NL	480	11	NL	0.023	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloroethylene, 1,1-	NL	4,000	NL	NL	0.046	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloroethylene, cis-1,2-	NL	160	NL	NL	0.078	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloroethylene, trans-1,2	NL	1,600	NL	NL	0.52	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloropropane, 1,2-	NL	3,200	27	NL	0.025	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloropropane, 1,3-	NL	1,600	NL	NL	0.88	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloropropane, 2,2-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloropropene, 1,1-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloropropene, cis 1,3-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloropropene, trans 1,3-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Diisopropyl ether	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Ethyl benzene	6	8,000	NL	NL	5.9	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Ethylene dibromide	0.005	720	0.5	NL	0.00027	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Hexachlorobutadiene	NL	80	13.00	NL	0.60	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Methyl ethyl ketone	NL	48,000	NL	NL	20	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Methyl isobutyl ketone	NL	6,400	NL	NL	2.7	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Methylene bromide	NL	800	NL	NL	0.36	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Methylene chloride	0.02	480	94	NL	0.021	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
MTBE	0.1	NL	560	NL	0.10	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Propylbenzene, n-	NL	8,000	NL	NL	16	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Styrene	NL	16,000	NL	NL	2.2	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Tetrachloroethane, 1,1,1,2-	NL	2,400	38	NL	0.0098	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Tetrachloroethane, 1,1,2,2-	NL	1,600	5	NL	0.0012	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Tetrachloroethylene	0.05	480	480	NL	0.05	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Toluene	7	6,400	NL	NL	4.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichloro-1,2,2-trifluoroethane, 1,1,2-	NL	2,400,000	NL	NL	7.600	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichlorobenzene, 1,2,3-	NL	64	NL	NL	0.2	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichlorobenzene, 1,2,4-	NL	800	34	NL	0.56	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichloroethane, 1,1,1-	2	160,000	NL	NL	1.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichloroethane, 1,1,2-	NL	320	18	NL	0.017	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichloroethylene	0.03	40	12.00	NL	0.025	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichlorofluoromethane	NL	24,000	NL	NL	23	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichloropropane, 1,2,3-	NL	320	0.0063	NL	0.0000024	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trimethylbenzene, 1,2,3-	NL	800	NL	NL	1.3	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trimethylbenzene, 1,2,4-	NL	800	NL	NL	1.3	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trimethylbenzene, 1,3,5-	NL	800	NL	NL	1.3	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Vinyl chloride	NL	240	0.67	NL	0.0017	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Xylenes	9	16,000	9	NL	14	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

[illegible]

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB55		SB56		SB57		SB58			SB59		
Laboratory Identification							L1178043-39	L1178043-40	L1178043-41	L1178043-42	L1178043-43	L1178043-44	L1178043-39	L1178043-40	L1178849-05	L1178043-41 L1178849-03	L1178043-42 L1178849-04	L1178849-06
Sample Date							1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020
Depth Range							0 - 1 ft	1 - 2 ft	0 - 1 ft	1 - 2 ft	0 - 1 ft	1 - 2 ft	0 - 1 ft	1 - 2 ft	0 - 1 ft	1 - 2 ft	3 - 4 ft	0 - 1 ft
Hydrocarbon																		
Gasoline range organics(Benzene Present)	30	NL	NL	200	NL	mg/kg	NT	NT	NT	NT	<0.909	<1.12	<0.979	<0.941	NT	<0.925	<1.02	NT
Gasoline range organics (Benzene NonDetect)	100	NL	NL	200	NL	mg/kg	--	--	--	--	--	--	--	--	NT	--	--	NT
Diesel range organics	2000	NL	NL	460	NL	mg/kg	NT	NT	NT	NT	81.3 J	15.50 J	127.0 J	15.9 J	NT	223	135.0 J	NT
Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	1120	147	1310	122	NT	1380	885	NT
Total Diesel/Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	1201.3	162.5	1437	137.9	NT	1603	1020	NT
Metals																		
Arsenic	20	24	0.67	20	2.9	mg/kg	6.37	8.6	2.27	3.45	NT	NT	34.6	47.7	4.03	17.1	13.1	3.92
Barium	NL	16000	NL	1250	1600	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Cadmium	2	80	NL	25	0.69	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Lead	250	NL	NL	220	3000	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Mercury	2	NL	NL	9	2.1	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Selenium	NL	400	NL	0.8	5.2	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Silver	NL	400	NL	NL	14	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Total Chromium	NL	NL	NL	42	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chromium,Hexavalent	19	240	NL	NL	18.00	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chromium,Trivalent	2000	120000	NL	NL	480000	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Other																		
% Moisture	NL	NL	NL	NL	NL	%	92.5	87.6	91.1	92.4	93.3	94	90.1	91.1	79.1	93.4	92.7	91.1
pH	NL	NL	NL	NL	NL	s.u.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Herbicides (Method 8151)																		
4-(chloro-2-methylphenoxy) acetic acid	NL	40	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dalapon, sodium salt	NL	2400	NL	NL	0.81	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dicamba	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorophenoxy, 2,4- butyric acid, 4-(db;2,4-)	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorophenoxyacetic acid, 2,4-	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichloroprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dinoseb	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TP Silvex, 2,4,5-	NL	640	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichlorophenoxyacetic acid, 2,4,5-	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Organophosphate Pesticides (Method 8141)																		
Azinphos-methyl	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlorpyrifos	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Coumaphos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Demeton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Diazinon	NL	56	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorvos	NL	40.00	3.40	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dimethoate	NL	180	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Disulfoton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
EPN (ethyl p-nitrophenyl phenylphosphorothioate)	NL	0.8	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ethoprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fensulfotion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fenthion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
lindane	0.01	24.00	0.91	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Malathion	NL	1600	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
MCPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Merphos	NL	2.4	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methyl parathion	NL	20	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Naled	NL	160	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Parathion	NL	480	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phorate	NL	16	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phosdrin (mevinphos)	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Prothiofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ronnel	NL	4000	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Sulprofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TEPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tetrachlorvinphos	NL	2400	42	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichloronate	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
OrganoChlorine Pesticides (Method 8081)																		
Aldrin	NL	2.4	0.059	0.17	0.0025	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlordane	NL	NL	NL	1	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DDD	NL	2.4	4.20	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DDE	NL	24	2.90	NL	0.45	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DDT	3	40.00	2.90	NL	3.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dieldrin	NL	4	0.063	0.17	0.0028	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endosulfan I	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endosulfan II	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endosulfan sulfate	NL	480	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endrin	NL	24	NL	0.4	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endrin aldehyde	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endrin ketone	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Heptachlor	NL	40	0.22	NL	0.038	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Heptachlor epoxide	NL	1	0.11	NL	0.08	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclohexane, alpha	NL	640	0.16	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclohexane, beta	NL	NL	0.56	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclohexane, delta	NL	NL	0.56	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methoxychlor	NL	400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tetraethyl dithiopyrophosphate	NL	40	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Toxaphene	NL	7.2	0.91	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

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SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method C Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB55		SB56		SB57		SB58			SB59		
Laboratory Identification							L1178043-39	L1178043-40	L1178043-41	L1178043-42	L1178043-43	L1178043-44	L1178043-39	L1178043-40	L1178849-05	L1178043-41 L1178849-03	L1178043-42 L1178849-04	L1178849-06
Sample Date							1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020	1/8/2020
Depth Range							0 - 1 ft	1 - 2 ft	0 - 1 ft	1 - 2 ft	0 - 1 ft	1 - 2 ft	0 - 1 ft	1 - 2 ft	3 - 4 ft	0 - 1 ft	1 - 2 ft	3 - 4 ft
VOAs																		
Acetone	NL	72000	NL	NL	29	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Acrylonitrile	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzene	0.03	320	18	NL	0.027	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bromobenzene	NL	640	NL	NL	0.56	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bromodichloromethane	NL	1,600	16	NL	0.036	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bromoform	NL	1,600	130	NL	0.36	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bromomethane	NL	110	NL	NL	0.05	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Butylbenzene, n-	NL	4,000	NL	NL	14	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Butylbenzene, sec-	NL	8,000	NL	NL	25	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Butylbenzene, tert-	NL	8,000	NL	NL	20	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Carbon tetrachloride	NL	320	14	NL	0.042	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlorobenzene	NL	1,600	NL	NL	0.86	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chloroethane (ethyl chloride)	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chloroform	NL	800	32	NL	0.074	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chloromethane	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlorotoluene, o-	NL	1600	NL	NL	1.9	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlorotoluene, p-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Cumene	NL	8,000	NL	NL	15	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Cymene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dibromo-3-chloropropane, 1,2-	NL	16	1.3	NL	0.0013	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dibromochloromethane	NL	1,600	12	NL	0.028	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorobenzene, 1,2-	NL	7,200	NL	NL	7	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorobenzene, 1,3-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorobenzene, 1,4-	NL	5,600	190	NL	1.2	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorodifluoromethane	NL	16,000	NL	NL	38	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichloroethane, 1,1-	NL	16,000	180	NL	0.041	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichloroethane, 1,2-	NL	480	11	NL	0.023	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichloroethylene, 1,1-	NL	4,000	NL	NL	0.046	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichloroethylene, cis-1,2-	NL	160	NL	NL	0.078	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichloroethylene, trans-1,2	NL	1,600	NL	NL	0.52	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichloropropane, 1,2-	NL	3,200	27	NL	0.025	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichloropropane, 1,3-	NL	1,600	NL	NL	0.88	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichloropropane, 2,2-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichloropropene, 1,1-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichloropropene, cis 1,3-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichloropropene, trans 1,3-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Diisopropyl ether	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ethyl benzene	6	8,000	NL	NL	5.9	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ethylene dibromide	0.005	720	0.5	NL	0.00027	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorobutadiene	NL	80	13.00	NL	0.60	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methyl ethyl ketone	NL	48,000	NL	NL	20	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methyl isobutyl ketone	NL	6,400	NL	NL	2.7	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methylene bromide	NL	800	NL	NL	0.36	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methylene chloride	0.02	480	94	NL	0.021	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
MTBE	0.1	NL	560	NL	0.10	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Propylbenzene, n-	NL	8,000	NL	NL	16	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Styrene	NL	16,000	NL	NL	2.2	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tetrachloroethane, 1,1,1,2-	NL	2,400	38	NL	0.0098	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tetrachloroethane, 1,1,2,2-	NL	1,600	5	NL	0.0012	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tetrachloroethylene	0.05	480	480	NL	0.05	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Toluene	7	6,400	NL	NL	4.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichloro-1,2,2-trifluoroethane, 1,1,2-	NL	2,400,000	NL	NL	7,600	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichlorobenzene, 1,2,3-	NL	64	NL	NL	0.2	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichlorobenzene, 1,2,4-	NL	800	34	NL	0.56	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichloroethane, 1,1,1-	2	160,000	NL	NL	1.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichloroethane, 1,1,2-	NL	320	18	NL	0.017	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichloroethylene	0.03	40	12.00	NL	0.025	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichlorofluoromethane	NL	24,000	NL	NL	23	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichloropropane, 1,2,3-	NL	320	0.0063	NL	0.0000024	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trimethylbenzene, 1,2,3-	NL	800	NL	NL	1.3	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trimethylbenzene, 1,2,4-	NL	800	NL	NL	1.3	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trimethylbenzene, 1,3,5-	NL	800	NL	NL	1.3	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Vinyl chloride	NL	240	0.67	NL	0.0017	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Xylenes	9	16,000	9	NL	14	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

[illegible]

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Former Payless Auto Mart
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[illegible]

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB60		SB61		SB62		SB63		SB64		SB65	
Laboratory Identification							L1178043-49	L1178043-50	L1178043-51	L1178043-52	L1198738-01	L1198738-02	L1198738-03	L1198738-04	L1198738-05	L1198738-06	L1198738-07	L1198738-08
Sample Date							1/8/2020	1/8/2020	1/8/2020	1/8/2020	3/12/2020	3/12/2020	3/12/2020	3/12/2020	3/12/2020	3/12/2020	3/12/2020	3/12/2020
Depth Range							0 - 1 ft	1 - 2 ft	0 - 1 ft	1 - 2 ft	0 - 3 ft	4 - 6 ft	0 - 3 ft	4 - 6 ft	0 - 3 ft	4 - 6 ft	0 - 3 ft	4 - 6 ft
VOAs																		
Acetone	NL	72000	NL	NL	29	mg/kg	NT	NT	NT	NT	<0.0161	<0.0174	<0.0162	<0.0166	<0.0148	<0.0177	<0.0157	<0.0171
Acrylonitrile	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	<0.00223	<0.00241	<0.00225	<0.0023	<0.00206	<0.00246	<0.00218	<0.00238
Benzene	0.03	320	18	NL	0.027	mg/kg	NT	NT	NT	NT	<0.000469	<0.000507	<0.000474	<0.000485	<0.000433	0.000589 J	<0.00046	<0.0005
Bromobenzene	NL	640	NL	NL	0.56	mg/kg	NT	NT	NT	NT	<0.00123	<0.00133	<0.00124	<0.00127	<0.00114	<0.00136	<0.00121	<0.00131
Bromodichloromethane	NL	1,600	16	NL	0.036	mg/kg	NT	NT	NT	NT	<0.000924	<0.001	<0.000934	<0.000955	<0.000853	<0.00102	<0.000906	<0.000986
Bromoform	NL	1,600	130	NL	0.36	mg/kg	NT	NT	NT	NT	<0.00701	<0.00759	<0.00709	<0.00724	<0.00647	<0.00775	<0.00687	<0.00748
Bromomethane	NL	110	NL	NL	0.05	mg/kg	NT	NT	NT	NT	<0.00434	<0.00469	<0.00438	<0.00448	<0.00401	<0.00479	<0.00425	<0.00463
Butylbenzene, n-	NL	4,000	NL	NL	14	mg/kg	NT	NT	NT	NT	<0.0045	<0.00487	<0.00455	<0.00465	<0.00416	<0.00497	<0.00441	<0.0048
Butylbenzene, sec-	NL	8,000	NL	NL	25	mg/kg	NT	NT	NT	NT	<0.00297	<0.00321	<0.003	<0.00306	<0.00274	<0.00328	<0.00291	<0.00316
Butylbenzene, tert-	NL	8,000	NL	NL	20	mg/kg	NT	NT	NT	NT	<0.00182	<0.00197	<0.00184	<0.00188	<0.00168	<0.00201	<0.00178	<0.00194
Carbon tetrachloride	NL	320	14	NL	0.042	mg/kg	NT	NT	NT	NT	<0.00127	<0.00137	<0.00128	<0.00131	<0.00117	<0.00114	<0.00124	<0.00135
Chlorobenzene	NL	1,600	NL	NL	0.86	mg/kg	NT	NT	NT	NT	<0.000672	<0.000727	<0.000679	<0.000694	<0.00062	<0.000742	<0.000659	<0.000717
Chloroethane (ethyl chloride)	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	<0.00127	<0.00137	<0.00128	<0.00131	<0.00117	<0.0014	<0.00124	<0.00135
Chloroform	NL	800	32	NL	0.074	mg/kg	NT	NT	NT	NT	<0.000487	<0.000526	<0.000492	<0.000503	<0.000449	<0.000538	<0.000477	<0.000519
Chloromethane	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	<0.00163	<0.00176	<0.00165	<0.00168	<0.0015	<0.0018	<0.0016	<0.00174
Chlorotoluene, o-	NL	1600	NL	NL	1.9	mg/kg	NT	NT	NT	NT	<0.00108	<0.00117	<0.00109	<0.00111	<0.000996	<0.00119	<0.00106	<0.00115
Chlorotoluene, p-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	<0.00133	<0.00143	<0.00134	<0.00137	<0.00122	<0.00146	<0.0013	<0.00141
Cumene	NL	8,000	NL	NL	15	mg/kg	NT	NT	NT	NT	<0.00101	<0.00109	<0.00102	<0.00105	<0.000934	<0.00112	<0.000992	<0.00108
Cymene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	<0.00273	0.00397 J	0.0057 J	<0.00282	<0.00252	0.00939	<0.00268	<0.00291
Dibromo-3-chloropropane, 1,2-	NL	16	1.3	NL	0.0013	mg/kg	NT	NT	NT	NT	<0.00598	<0.00647	<0.00604	<0.00618	<0.00552	<0.00661	<0.00586	<0.00638
Dibromochloromethane	NL	1,600	12	NL	0.028	mg/kg	NT	NT	NT	NT	<0.000528	<0.000571	<0.000533	<0.000545	<0.000487	<0.000583	<0.000517	<0.000563
Dichlorobenzene, 1,2-	NL	7,200	NL	NL	7	mg/kg	NT	NT	NT	NT	<0.0017	<0.00184	<0.00172	<0.00176	<0.00157	<0.00188	<0.00167	<0.00181
Dichlorobenzene, 1,3-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	<0.00199	<0.00216	<0.00201	<0.00206	<0.00184	<0.00222	<0.00195	<0.00213
Dichlorobenzene, 1,4-	NL	5,600	190	NL	1.2	mg/kg	NT	NT	NT	NT	<0.00231	<0.0025	<0.00233	<0.00239	<0.00213	<0.00255	<0.00226	<0.00246
Dichlorodifluoromethane	NL	16,000	NL	NL	38	mg/kg	NT	NT	NT	NT	<0.000959	<0.00104	<0.000969	<0.000991	<0.000885	<0.00106	<0.00094	<0.00102
Dichloroethane, 1,1-	NL	16,000	180	NL	0.041	mg/kg	NT	NT	NT	NT	<0.000674	<0.000729	<0.000681	<0.000697	<0.000622	<0.000745	<0.000661	<0.000719
Dichloroethane, 1,2-	NL	480	11	NL	0.023	mg/kg	NT	NT	NT	NT	<0.000557	<0.000603	<0.000563	<0.000575	<0.000514	<0.000615	<0.000546	<0.000594
Dichloroethylene, 1,1-	NL	4,000	NL	NL	0.046	mg/kg	NT	NT	NT	NT	<0.000586	<0.000634	<0.000593	<0.000606	<0.000541	<0.000648	<0.000575	<0.000625
Dichloroethylene, cis-1,2-	NL	160	NL	NL	0.078	mg/kg	NT	NT	NT	NT	<0.000809	<0.000875	<0.000818	<0.000836	<0.000747	<0.000894	<0.000793	<0.000863
Dichloroethylene, trans-1,2	NL	1,600	NL	NL	0.52	mg/kg	NT	NT	NT	NT	<0.00168	<0.00181	<0.00169	<0.00173	<0.00155	<0.00185	<0.00164	<0.00179
Dichloropropane, 1,2-	NL	3,200	27	NL	0.025	mg/kg	NT	NT	NT	NT	<0.00149	<0.00161	<0.00151	<0.00154	<0.00137	<0.00165	<0.00146	<0.00159
Dichloropropane, 1,3-	NL	1,600	NL	NL	0.88	mg/kg	NT	NT	NT	NT	<0.00205	<0.00222	<0.00207	<0.00212	<0.00189	<0.00227	<0.00201	<0.00219
Dichloropropane, 2,2-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	<0.00093	<0.00101	<0.00094	<0.000961	<0.000858	<0.00103	<0.000911	<0.000992
Dichloropropene, 1,1-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	<0.000821	<0.000888	<0.00083	<0.000848	<0.000758	<0.000907	<0.000805	<0.000876
Dichloropropene, cis 1,3-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	<0.000795	<0.00086	<0.000803	<0.000821	<0.000734	<0.000878	<0.000779	<0.000848
Dichloropropene, trans 1,3-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	<0.00179	<0.00194	<0.00181	<0.00185	<0.00166	<0.00198	<0.00176	<0.00191
Diisopropyl ether	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	<0.00041	<0.000444	<0.000415	<0.000424	<0.000379	<0.000453	<0.000402	<0.000438
Ethyl benzene	6	8,000	NL	NL	5.9	mg/kg	NT	NT	NT	NT	0.00192 B J	0.00112 B J	0.00154 B J	0.00136 B J	0.00134 B J	0.000821 B J	0.00109 B J	0.00135 B J
Ethylene dibromide	0.005	720	0.5	NL	0.00027	mg/kg	NT	NT	NT	NT	<0.000616	<0.000666	<0.000622	<0.000636	<0.000568	<0.00068	<0.000603	<0.000657
Hexachlorobutadiene	NL	80	13.00	NL	0.60	mg/kg	NT	NT	NT	NT	<0.0149	<0.0161	<0.0151	<0.0154	<0.0137	<0.0165	<0.0146	<0.0159
Methyl ethyl ketone	NL	48,000	NL	NL	20	mg/kg	NT	NT	NT	NT	0.0161 B J	<0.0159	<0.0148	0.0167 B J	<0.0135	<0.0162	0.0233 B J	0.0185 B J
Methyl isobutyl ketone	NL	6,400	NL	NL	2.7	mg/kg	NT	NT	NT	NT	<0.0117	<0.0127	<0.0119	<0.0121	<0.0108	<0.013	<0.0115	<0.0125
Methylene bromide	NL	800	NL	NL	0.36	mg/kg	NT	NT	NT	NT	<0.00117	<0.00127	<0.00119	<0.00121	<0.00108	<0.0013	<0.00115	<0.00125
Methylene chloride	0.02	480	94	NL	0.021	mg/kg	NT	NT										

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB60		SB61		SB62		SB63		SB64		SB65	
Laboratory Identification							L1178043-49	L1178043-50	L1178043-51	L1178043-52	L1198738-01	L1198738-02	L1198738-03	L1198738-04	L1198738-05	L1198738-06	L1198738-07	L1198738-08
Sample Date							1/8/2020	1/8/2020	1/8/2020	1/8/2020	3/12/2020	3/12/2020	3/12/2020	3/12/2020	3/12/2020	3/12/2020	3/12/2020	3/12/2020
Depth Range							0 - 1 ft	1 - 2 ft	0 - 1 ft	1 - 2 ft	0 - 3 ft	4 - 6 ft	0 - 3 ft	4 - 6 ft	0 - 3 ft	4 - 6 ft	0 - 3 ft	4 - 6 ft
SVOCs (Method 8270)																		
Acenaphthene	NL	4,800	NL	NL	98	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Acenaphthylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Anthracene	NL	24,000	NL	NL	2,300	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benz-a-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzidine	NL	240	0.0043	NL	0.000011	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-a-pyrene	0.1	24	0.19	30	3.9	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-b-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-g,h,i-perylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-k-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis (2-chloroethoxy) methane	NL	240	NL	NL	0.21	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis (2-chloroethyl) ether	NL	NL	0.91	NL	0.00022	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bis (2-ethyl-hexyl) phthalate	NL	1,600	71	NL	13	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Bromophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Butyl benzyl phthalate	NL	16,000	530	NL	13	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chloro-3-methylphenol, 4- (chlorocresol))	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chloronaphthalene, 2- (beta-chloronaphthalene)	NL	6,400	NL	NL	34	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlorophenol, 2-	NL	400	NL	NL	0.47	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlorophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chrysene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dibenz-a,h-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorobenzidine, 3,3-	NL	NL	2.2	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorophenol, 2,4-	NL	240	NL	NL	0.17	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Diethyl phthalate	NL	64,000	NL	NL	72	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dimethyl phenol, 2,4-	NL	1,600	NL	NL	1.3	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dimethylphthalate	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Di-n-butyl phthalate	NL	NL	NL	200	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dinitro-2-methylphenol, 4,6-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dinitrophenol, 2,4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dinitrotoluene, 2,4-	NL	160	3.2	NL	0.0017	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dinitrotoluene, 2,6-	NL	24	0.67	NL	0.00031	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Di-n-octyl phthalate	NL	800	NL	NL	270,000	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluoranthene	NL	3,200	NL	NL	630	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluorene	NL	3,200	NL	NL	100	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorobenzene	NL	160	0.63	31	0.88	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclopentadiene	NL	480	NL	NL	190	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachloroethane	NL	56	25	NL	0.043	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Indeno-1,2,3-cd-pyrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Isophorone	NL	16,000	1100	NL	0.23	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nitrobenzene	NL	160	NL	NL	0.1	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nitrophenol, 2-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nitrophenol, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nitrosodimethylamine, N-	NL	0.64	0.02	NL	0.0000038	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nitrosodi-n-propylamine, N-	NL	NL	0.14	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Nitrosodiphenylamine, N-	NL	NL	200	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Pentachlorophenol	NL	400	2.5	11	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phenanthrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phenol	NL	24,000	NL	NL	11	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Pyrene	NL	2,400	NL	NL	650	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichlorophenol, 2,4,6-	NL	80	91	NL	0.046	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
PAHs (Method 8270)																		
Acenaphthene	NL	4,800	NL	NL	98	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Acenaphthylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Anthracene	NL	24,000	NL	NL	2,300	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benz-a-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-a-pyrene	0.1	24	0.19	30	3.9	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-b-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-g,h,i-perylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-k-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chloronaphthalene, 2- (beta-chloronaphthalene)	NL	6,400	NL	NL	34	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chrysene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dibenz-a,h-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluoranthene	NL	3,200	NL	NL	630	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluorene	NL	3,200	NL	NL	100	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Indeno-1,2,3-cd-pyrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methylnaphthalene, 1-	NL	5600	34	NL	0.082	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methylnaphthalene, 2-	NL	320	NL	NL	1.7	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Naphtthalene	5	1,600	NL	NL	4.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phenanthrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Pyrene	NL	2,400	NL	NL	650	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
PCBs (Method 8082)																		
Aroclor 1016	NL	5.6	14.00	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1221	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1232	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1242	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1248	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1254	NL	1.6	0.50	NL	0.71	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1260	NL	NL	0.50	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB66		SB67		SB68	SB69	SB70							
Laboratory Identification							L1198738-09	L1198738-10	L1198738-11	L1198738-12	L1198738-13	L1198738-14	L1198738-15	L1198738-16	L1198738-17	L1198738-18	L1198738-19	L1198738-20	L1198738-21	L1198738-22
Sample Date							3/12/2020	3/12/2020	3/12/2020	3/12/2020	3/12/2020	3/12/2020	3/12/2020	3/12/2020	3/12/2020	3/12/2020	3/12/2020	3/12/2020	3/12/2020	3/12/2020
Depth Range							0 - 3 ft	4 - 6 ft	0 - 3 ft	4 - 6 ft	2 - 4 ft	0 - 2 ft	0 - 1 ft	1 - 2 ft	2 - 3 ft	4 - 5 ft	5 - 6 ft	6 - 7 ft	8 - 9 ft	10 - 11 ft
Hydrocarbon																				
Gasoline range organics(Benzene Present)	30	NL	NL	200	NL	mg/kg	--	--	1.21 J	1.33 J	--	--	--	--	--	--	--	--	--	--
Gasoline range organics (Benzene NonDetect	100	NL	NL	200	NL	mg/kg	1.22 J	<0.979	--	--	<0.895	<0.892	NT	NT	NT	NT	NT	NT	NT	
Diesel range organics	2000	NL	NL	460	NL	mg/kg	12.2	2.4 J	81 J	35.5 J	2.44 J	<1.4	NT	NT	NT	NT	NT	NT	NT	
Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	62	11.7	532 J	219 J	5.17 J	<3.5	NT	NT	NT	NT	NT	NT	NT	
Total Diesel/Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	74.2	14.1	613	254.5	7.61	2.45	NT	NT	NT	NT	NT	NT	NT	
Metals																				
Arsenic	20	24	0.67	20	2.9	mg/kg	15.9	4.24	6.85	7.8	3.21	1.83 J	7.24	13.2	5.85	5.48	4.56	2.48	5.39	1.84 J
Barium	NL	16000	NL	1250	1600	mg/kg	161	119	93.6	103	57	52.1	NT	NT	NT	NT	NT	NT	NT	NT
Cadmium	2	80	NL	25	0.69	mg/kg	0.255 J	0.178 J	0.317 J	0.333 J	0.139 J	0.118 J	NT	NT	NT	NT	NT	NT	NT	NT
Lead	250	NL	NL	220	3000	mg/kg	22.5	6.91	23.4	22.8	3.29	2.25	NT	NT	NT	NT	NT	NT	NT	NT
Mercury	2	NL	NL	9	2.1	mg/kg	0.0499	0.0429	0.0425	0.0592	0.0148 J	0.00617 J	NT	NT	NT	NT	NT	NT	NT	NT
Selenium	NL	400	NL	0.8	5.2	mg/kg	<0.727	0.749 J	<0.714	<0.73	<0.655	<0.652	NT	NT	NT	NT	NT	NT	NT	NT
Silver	NL	400	NL	NL	14	mg/kg	<0.141	<0.139	<0.138	<0.141	0.343 J	<0.126	NT	NT	NT	NT	NT	NT	NT	NT
Total Chromium	NL	NL	NL	42	NL	mg/kg	30.7	32.9	23.6	29.9	20	16.9	NT	NT	NT	NT	NT	NT	NT	NT
Chromium,Hexavalent	19	240	NL	NL	18.00	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chromium,Trivalent	2000	120000	NL	NL	480000	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Other																				
% Moisture	NL	NL	NL	NL	NL	%	85.3	86.5	86.9	85	94.7	95	85.3	86.9	88.7	93	94	93.6	92.3	91.7
pH	NL	NL	NL	NL	NL	s.u.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Herbicides (Method 8151)																				
4-(chloro-2-methylphenoxy) acetic acid	NL	40	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dalapon, sodium salt	NL	2400	NL	NL	0.81	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dicamba	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorophenoxy, 2,4- butyric acid, 4-(db;2,4-)	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorophenoxyacetic acid, 2,4-	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichloroprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dinoseb	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TP Silvex, 2,4,5-	NL	640	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichlorophenoxyacetic acid, 2,4,5-	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Organophosphate Pesticides (Method 8141)																				
Azinphos-methyl	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlorpyrifos	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Coumaphos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Demeton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Diazinon	NL	56	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorvos	NL	40.00	3.40	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dimethoate	NL	180	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Disulfoton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
EPN (ethyl p-nitrophenyl phenylphosphorothioate)	NL	0.8	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ethoprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fensulfothion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fenthion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
lindane	0.01	24.00	0.91	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Malathion	NL	1600	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
MCPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Merphos	NL	2.4	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methyl parathion	NL	20	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Naled	NL	160	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Parathion	NL	480	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phorate	NL	16	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phosdrin (mevinphos)	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Prothiofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ronnel	NL	4000	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Sulprofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TEPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tetrachlorvinphos	NL	2400	42	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichloronate	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
OrganoChlorine Pesticides (Method 8081)																				
Aldrin	NL	2.4	0.059	0.17	0.0025	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlordane	NL	NL	NL	1	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DDD	NL	2.4	4.20	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DDE	NL	24	2.90	NL	0.45	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DDT	3	40.00	2.90	NL	3.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dieldrin	NL	4	0.063	0.17	0.0028	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endosulfan I	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endosulfan II	NL	NL																		

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Laboratory Identification							L1198738-09	L1198738-10	L1198738-11	L1198738-12	L1198738-13	L1198738-14	L1198738-15	L1198738-16	L1198738-17	L1198738-18	L1198738-19	L1198738-20	L1198738-21	L1198738-22
Sample Date							3/12/2020	3/12/2020	3/12/2020	3/12/2020	3/12/2020	3/12/2020	3/12/2020	3/12/2020	3/12/2020	3/12/2020	3/12/2020	3/12/2020	3/12/2020	3/12/2020
Depth Range							0 - 3 ft	4 - 6 ft	0 - 3 ft	4 - 6 ft	2 - 4 ft	0 - 2 ft	0 - 1 ft	1 - 2 ft	2 - 3 ft	4 - 5 ft	5 - 6 ft	6 - 7 ft	8 - 9 ft	10 - 11 ft
VOAs																				
Acetone	NL	72000	NL	NL	29	mg/kg	<0.0161	<0.0158	<0.0158	<0.0161	<0.0145	<0.0144	NT	NT	NT	NT	NT	NT	NT	NT
Acrylonitrile	NL	NL	NL	NL	NL	mg/kg	<0.00223	<0.0022	<0.00219	<0.00224	<0.00201	<0.002	NT	NT	NT	NT	NT	NT	NT	NT
Benzene	0.03	320	18	NL	0.027	mg/kg	<0.000469	<0.000462	0.000776 J	0.000724 J	<0.000422	<0.000421	NT	NT	NT	NT	NT	NT	NT	NT
Bromobenzene	NL	640	NL	NL	0.56	mg/kg	<0.00123	<0.00121	<0.00121	<0.00124	<0.00111	<0.0011	NT	NT	NT	NT	NT	NT	NT	NT
Bromodichloromethane	NL	1,600	16	NL	0.036	mg/kg	<0.000923	<0.000911	<0.000907	<0.000927	<0.000832	<0.000829	NT	NT	NT	NT	NT	NT	NT	NT
Bromoform	NL	1,600	130	NL	0.36	mg/kg	<0.00701	<0.00691	<0.00688	<0.00704	<0.00632	<0.00629	NT	NT	NT	NT	NT	NT	NT	NT
Bromomethane	NL	110	NL	NL	0.05	mg/kg	<0.00434	<0.00428	<0.00426	<0.00435	<0.00391	<0.00389	NT	NT	NT	NT	NT	NT	NT	NT
Butylbenzene, n-	NL	4,000	NL	NL	14	mg/kg	<0.0045	<0.00444	<0.00442	<0.00452	<0.00406	<0.00404	NT	NT	NT	NT	NT	NT	NT	NT
Butylbenzene, sec-	NL	8,000	NL	NL	25	mg/kg	<0.00297	<0.00292	<0.00291	<0.00298	<0.00267	<0.00266	NT	NT	NT	NT	NT	NT	NT	NT
Butylbenzene, tert-	NL	8,000	NL	NL	20	mg/kg	<0.00182	<0.00179	<0.00178	<0.00182	<0.00164	<0.00163	NT	NT	NT	NT	NT	NT	NT	NT
Carbon tetrachloride	NL	320	14	NL	0.042	mg/kg	<0.00127	<0.00125	<0.00124	<0.00127	<0.00114	<0.00114	NT	NT	NT	NT	NT	NT	NT	NT
Chlorobenzene	NL	1,600	NL	NL	0.86	mg/kg	<0.000672	<0.000662	<0.00066	<0.000674	<0.000605	<0.000603	NT	NT	NT	NT	NT	NT	NT	NT
Chloroethane (ethyl chloride)	NL	NL	NL	NL	NL	mg/kg	<0.00127	<0.00125	<0.00124	<0.00127	<0.00114	<0.00114	NT	NT	NT	NT	NT	NT	NT	NT
Chloroform	NL	800	32	NL	0.074	mg/kg	<0.000486	<0.00048	<0.000478	<0.000488	<0.000438	<0.000437	NT	NT	NT	NT	NT	NT	NT	NT
Chloromethane	NL	NL	NL	NL	NL	mg/kg	<0.00163	<0.00161	<0.0016	<0.00164	<0.00147	<0.00146	NT	NT	NT	NT	NT	NT	NT	NT
Chlorotoluene, o-	NL	1600	NL	NL	1.9	mg/kg	<0.00108	<0.00106	<0.00106	<0.00108	<0.000972	<0.000968	NT	NT	NT	NT	NT	NT	NT	NT
Chlorotoluene, p-	NL	NL	NL	NL	NL	mg/kg	<0.00132	<0.00131	<0.0013	<0.00133	<0.00119	<0.00119	NT	NT	NT	NT	NT	NT	NT	NT
Cumene	NL	8,000	NL	NL	15	mg/kg	<0.00101	<0.000997	<0.000993	<0.00102	<0.000911	<0.000908	NT	NT	NT	NT	NT	NT	NT	NT
Cymene	NL	NL	NL	NL	NL	mg/kg	<0.00273	<0.00269	<0.00268	<0.00274	<0.00246	<0.00245	NT	NT	NT	NT	NT	NT	NT	NT
Dibromo-3-chloropropane, 1,2-	NL	16	1.3	NL	0.0013	mg/kg	<0.00598	<0.00589	<0.00587	<0.006	<0.00539	<0.00537	NT	NT	NT	NT	NT	NT	NT	NT
Dibromochloromethane	NL	1,600	12	NL	0.028	mg/kg	<0.000527	<0.00052	<0.000518	<0.00053	<0.000475	<0.000473	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorobenzene, 1,2-	NL	7,200	NL	NL	7	mg/kg	<0.0017	<0.00168	<0.00167	<0.00171	<0.00153	<0.00153	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorobenzene, 1,3-	NL	NL	NL	NL	NL	mg/kg	<0.00199	<0.00196	<0.00196	<0.002	<0.0018	<0.00179	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorobenzene, 1,4-	NL	5,600	190	NL	1.2	mg/kg	<0.00231	<0.00228	<0.00227	<0.00232	<0.00208	<0.00207	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorodifluoromethane	NL	16,000	NL	NL	38	mg/kg	<0.000959	<0.000945	<0.000942	<0.000963	<0.000864	<0.000861	NT	NT	NT	NT	NT	NT	NT	NT
Dichloroethane, 1,1-	NL	16,000	180	NL	0.041	mg/kg	<0.000674	<0.000664	<0.000662	<0.000677	<0.000607	<0.000605	NT	NT	NT	NT	NT	NT	NT	NT
Dichloroethane, 1,2-	NL	480	11	NL	0.023	mg/kg	<0.000557	<0.000549	<0.000547	<0.000559	<0.000502	<0.0005	NT	NT	NT	NT	NT	NT	NT	NT
Dichloroethylene, 1,1-	NL	4,000	NL	NL	0.046	mg/kg	<0.000586	<0.000578	<0.000578	<0.000588	<0.000528	<0.000526	NT	NT	NT	NT	NT	NT	NT	NT
Dichloroethylene, cis-1,2-	NL	160	NL	NL	0.078	mg/kg	<0.000809	<0.000797	<0.000794	<0.000812	<0.000729	<0.000726	NT	NT	NT	NT	NT	NT	NT	NT
Dichloroethylene, trans-1,2	NL	1,600	NL	NL	0.52	mg/kg	<0.00168	<0.00165	<0.00165	<0.00168	<0.00151	<0.0015	NT	NT	NT	NT	NT	NT	NT	NT
Dichloropropane, 1,2-	NL	3,200	27	NL	0.025	mg/kg	<0.00149	<0.00147	<0.00146	<0.00149	<0.00134	<0.00134	NT	NT	NT	NT	NT	NT	NT	NT
Dichloropropane, 1,3-	NL	1,600	NL	NL	0.88	mg/kg	<0.00205	<0.00202	<0.00201	<0.00206	<0.00185	<0.00184	NT	NT	NT	NT	NT	NT	NT	NT
Dichloropropane, 2,2-	NL	NL	NL	NL	NL	mg/kg	<0.000929	<0.000916	<0.000913	<0.000933	<0.000837	<0.000834	NT	NT	NT	NT	NT	NT	NT	NT
Dichloropropene, 1,1-	NL	NL	NL	NL	NL	mg/kg	<0.00082	<0.000809	<0.000806	<0.000824	<0.000739	<0.000736	NT	NT	NT	NT	NT	NT	NT	NT
Dichloropropene, cis 1,3-	NL	NL	NL	NL	NL	mg/kg	<0.000795	<0.000784	<0.00078	<0.000798	<0.000716	<0.000713	NT	NT	NT	NT	NT	NT	NT	NT
Dichloropropene, trans 1,3-	NL	NL	NL	NL	NL	mg/kg	<0.00179	<0.00177	<0.00176	<0.0018	<0.00162	<0.00161	NT	NT	NT	NT	NT	NT	NT	NT
Diisopropyl ether	NL	NL	NL	NL	NL	mg/kg	<0.00041	<0.000404	<0.000403	<0.000412	<0.00037	<0.000368	NT	NT	NT	NT	NT	NT	NT	NT
Ethyl benzene	6	8,000	NL	NL	5.9	mg/kg	<0.000621	<0.000612	<0.00061	<0.000624	<0.00056	<0.000558	NT	NT	NT	NT	NT	NT	NT	NT
Ethylene dibromide	0.005	720	0.5	NL	0.00027	mg/kg	<0.000615	<0.000607	<0.000604	<0.000618	<0.000554	<0.000552	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorobutadiene	NL	80	13.00	NL	0.60	mg/kg	<0.0149	<0.0147	<0.0146	<0.0149	<0.0134	<0.0134	NT	NT	NT	NT	NT	NT	NT	NT
Methyl ethyl ketone	NL	48,000	NL	NL	20	mg/kg	0.0675 B	0.0544 B	0.0381 B	0.0317 B	<0.0132	<0.0132	NT	NT	NT	NT	NT	NT	NT	NT
Methyl isobutyl ketone	NL	6,400	NL	NL	2.7	mg/kg	<0.0117	<0.0116	<0.0115	<0.0118	<0.0106	<0.0105	NT	NT	NT	NT	NT	NT	NT	NT
Methylene bromide	NL	800	NL	NL	0.36	mg/kg	<0.00117	<0.00116	<0.00115	<0.00118	<0.00106	<0.00105	NT	NT	NT	NT	NT	NT	NT	NT
Methylene chloride	0.02	480	94	NL	0.021	mg/kg	<0.00778	<0.00767	<0.00764	<0.00781	<0.00701	<0.00699	NT	NT						

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB66		SB67		SB68	SB69	SB70								
Laboratory Identification							L1198738-09	L1198738-10	L1198738-11	L1198738-12	L1198738-13	L1198738-14	L1198738-15	L1198738-16	L1198738-17	L1198738-18	L1198738-19	L1198738-20	L1198738-21	L1198738-22	
							3/12/2020	3/12/2020	3/12/2020	3/12/2020	3/12/2020	3/12/2020	3/12/2020	3/12/2020	3/12/2020	3/12/2020	3/12/2020	3/12/2020	3/12/2020	3/12/2020	
							0 - 3 ft	4 - 6 ft	0 - 3 ft	4 - 6 ft	2 - 4 ft	0 - 2 ft	0 - 1 ft	1 - 2 ft	2 - 3 ft	4 - 5 ft	5 - 6 ft	6 - 7 ft	8 - 9 ft	10 - 11 ft	
SVOCs (Method 8270)																					
Acenaphthene	NL	4,800	NL	NL	98	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Acenaphthylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Anthracene	NL	24,000	NL	NL	2,300	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benz-a-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benzidine	NL	240	0.0043	NL	0.000011	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benzo-a-pyrene	0.1	24	0.19	30	3.9	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benzo-b-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benzo-g,h,i-perylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benzo-k-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Bis (2-chloroethoxy) methane	NL	240	NL	NL	0.21	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Bis (2-chloroethyl) ether	NL	NL	0.91	NL	0.00022	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Bis (2-ethyl-hexyl) phthalate	NL	1,600	71	NL	13	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Bromophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Butyl benzyl phthalate	NL	16,000	530	NL	13	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chloro-3-methylphenol, 4-(chlorocresol))	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chloronaphthalene, 2-(beta-chloronaphthalene)	NL	6,400	NL	NL	34	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chlorophenol, 2-	NL	400	NL	NL	0.47	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chlorophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chrysene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dibenz-a,h-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichlorobenzidine, 3,3-	NL	NL	2.2	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichlorophenol, 2,4-	NL	240	NL	NL	0.17	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Diethyl phthalate	NL	64,000	NL	NL	72	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dimethyl phenol, 2,4-	NL	1,600	NL	NL	1.3	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dimethyl phthalate	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Di-n-butyl phthalate	NL	NL	NL	200	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dinitro-2-methylphenol, 4,6-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dinitrophenol, 2,4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dinitrotoluene, 2,4-	NL	160	3.2	NL	0.0017	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dinitrotoluene, 2,6-	NL	24	0.67	NL	0.00031	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Di-n-octyl phthalate	NL	800	NL	NL	270,000	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Fluoranthene	NL	3,200	NL	NL	630	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Fluorene	NL	3,200	NL	NL	100	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Hexachlorobenzene	NL	160	0.63	31	0.88	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Hexachlorocyclopentadiene	NL	480	NL	NL	190	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Hexachloroethane	NL	56	25	NL	0.043	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Indeno-1,2,3-cd-pyrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Isophorone	NL	16,000	1100	NL	0.23	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Nitrobenzene	NL	160	NL	NL	0.1	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Nitrophenol, 2-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Nitrophenol, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Nitrosodimethylamine, N-	NL	0.64	0.02	NL	0.0000038	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Nitrosodi-n-propylamine, N-	NL	NL	0.14	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Nitrosodiphenylamine, N-	NL	NL	200	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Pentachlorophenol	NL	400	2.5	11	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Phenanthrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Phenol	NL	24,000	NL	NL	11	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Pyrene	NL	2,400	NL	NL	650	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichlorophenol, 2,4,6-	NL	80	91	NL	0.046	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
PAHs (Method 8270)																					
Acenaphthene	NL	4,800	NL	NL	98	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Acenaphthylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Anthracene	NL	24,000	NL	NL	2,300	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benz-a-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benzo-a-pyrene	0.1	24	0.19	30	3.9	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benzo-b-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benzo-g,h,i-perylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Benzo-k-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chloronaphthalene, 2-(beta-chloronaphthalene)	NL	6,400	NL	NL	34	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chrysene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dibenz-a,h-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Fluoranthene	NL	3,200	NL	NL	630	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Fluorene	NL	3,200	NL	NL	100	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Indeno-1,2,3-cd-pyrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Methylnaphthalene, 1-	NL	5600	34	NL	0.082	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Methylnaphthalene, 2-	NL	320	NL	NL	1.7	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Phenanthrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Pyrene	NL	2,400	NL	NL	650	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
PCBs (Method 8082)																					
Aroclor 1016	NL	5.6	14.00	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Aroclor 1221	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Aroclor 1232	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Aroclor 1242	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Aroclor 1248	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Aroclor 1254	NL	1.6	0.50	NL	0.71	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Aroclor 1260	NL	NL	0.50	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

[illegible]

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SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

[illegible]

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB73				SB74				SB75			
Laboratory Identification							580-98070-21	580-98070-22	580-98070-23	580-98070-24	580-98070-17	580-98070-18	580-98070-19	580-98070-20	580-98070-13	580-98070-14	580-98070-15	580-98070-16
Sample Date							10/7/2020	10/7/2020	10/7/2020	10/7/2020	10/7/2020	10/7/2020	10/7/2020	10/7/2020	10/7/2020	10/7/2020	10/7/2020	10/7/2020
Depth Range							0 - 1 ft	1 - 2 ft	2 - 3 ft	4 - 5 ft	0 - 1 ft	1 - 2 ft	2 - 3 ft	4 - 5 ft	0 - 1 ft	1 - 2 ft	2 - 3 ft	4 - 5 ft
Hydrocarbon																		
Gasoline range organics(Benzene Present)	30	NL	NL	200	NL	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline range organics (Benzene NonDetect)	100	NL	NL	200	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Diesel range organics	2000	NL	NL	460	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Total Diesel/Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Metals																		
Arsenic	20	24	0.67	20	2.9	mg/kg	13	20	7.5	8.2	7.5	5.5	2.8	10	9.9	9.7	5.4	3.9
Barium	NL	16000	NL	1250	1600	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Cadmium	2	80	NL	25	0.69	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Lead	250	NL	NL	220	3000	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Mercury	2	NL	NL	9	2.1	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Selenium	NL	400	NL	0.8	5.2	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Silver	NL	400	NL	NL	14	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Total Chromium	NL	NL	NL	42	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chromium,Hexavalent	19	240	NL	NL	18.00	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chromium,Trivalent	2000	120000	NL	NL	480000	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Other																		
% Moisture	NL	NL	NL	NL	NL	%	6.6	6.5	6.1	6.2	5.3	6	4.8	4.9	7.3	7.7	6.3	3.9
pH	NL	NL	NL	NL	NL	s.u.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Herbicides (Method 8151)																		
4-(chloro-2-methylphenoxy) acetic acid	NL	40	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dalapon, sodium salt	NL	2400	NL	NL	0.81	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dicamba	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorophenoxy, 2,4- butyric acid, 4-(db,2,4-)	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorophenoxyacetic acid, 2,4-	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichloroprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dinoseb	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TP Silvex, 2,4,5-	NL	640	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichlorophenoxyacetic acid, 2,4,5-	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Organophosphate Pesticides (Method 8141)																		
Azinphos-methyl	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlorpyrifos	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Coumaphos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Demeton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Diazinon	NL	56	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorvos	NL	40.00	3.40	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dimethoate	NL	180	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Disulfoton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
EPN (ethyl p-nitrophenyl phenylphosphorothioate)	NL	0.8	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ethoprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fensulfotthion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fenthion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
lindane	0.01	24.00	0.91	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Malathion	NL	1600	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
MCPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Merphos	NL	2.4	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methyl parathion	NL	20	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Naled	NL	160	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Parathion	NL	480	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phorate	NL	16	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phosdrin (mevinphos)	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Prothiofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ronnel	NL	4000	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Sulprofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TEPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tetrachlorvinphos	NL	2400	42	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichloronate	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
OrganoChlorine Pesticides (Method 8081)																		
Aldrin	NL	2.4	0.059	0.17	0.0025	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlordane	NL	NL	NL	1	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DDD	NL	2.4	4.20	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DDE	NL	24	2.90	NL	0.45	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DDT	3	40.00	2.90	NL	3.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dieldrin	NL	4	0.063	0.17	0.0028	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endosulfan I	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endosulfan II	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endosulfan sulfate	NL	480	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endrin	NL	24	NL	0.4	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endrin aldehyde	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endrin ketone	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Heptachlor	NL	40	0.22	NL	0.038	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Heptachlor epoxide	NL	1	0.11	NL	0.08	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclohexane, alpha	NL	640	0.16	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclohexane, beta	NL	NL	0.56	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclohexane, delta	NL	NL	0.56	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methoxychlor	NL	400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tetraethyl dithiopyrophosphate	NL	40	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Toxaphene	NL	7.2	0.91	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

[illegible]

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

[illegible]

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB76				SB77				SB78				
Laboratory Identification							580-98070-9	580-98070-10	580-98070-11	580-98070-12	580-98070-5	580-98070-6	580-98070-7	580-98070-8	580-98070-1	580-98070-2	580-98070-3	580-98070-4	
Sample Date							10/7/2020	10/7/2020	10/7/2020	10/7/2020	10/7/2020	10/7/2020	10/7/2020	10/7/2020	10/7/2020	10/7/2020	10/7/2020	10/7/2020	
Depth Range							0 - 1 ft	1 - 2 ft	2 - 3 ft	4 - 5 ft	0 - 1 ft	1 - 2 ft	2 - 3 ft	4 - 5 ft	0 - 1 ft	1 - 2 ft	2 - 3 ft	4 - 5 ft	
Hydrocarbon																			
Gasoline range organics(Benzene Present)	30	NL	NL	200	NL	mg/kg	--	--	--	--	--	--	--	--	--	--	--	--	--
Gasoline range organics (Benzene NonDetect)	100	NL	NL	200	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Diesel range organics	2000	NL	NL	460	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Total Diesel/Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Metals																			
Arsenic	20	24	0.67	20	2.9	mg/kg	21	14	2.6	2.5	13	9.2	7.5	4.9	7.8	5	3.9	4	
Barium	NL	16000	NL	1250	1600	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Cadmium	2	80	NL	25	0.69	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Lead	250	NL	NL	220	3000	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Mercury	2	NL	NL	9	2.1	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Selenium	NL	400	NL	0.8	5.2	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Silver	NL	400	NL	NL	14	mg/kg	NT	NT	NL	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Total Chromium	NL	NL	NL	42	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chromium,Hexavalent	19	240	NL	NL	18.00	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chromium,Trivalent	2000	120000	NL	NL	480000	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Other																			
% Moisture	NL	NL	NL	NL	NL	%	14.7	7.8	4.9	7.6	6.8	5.7	6.1	5.4	4.7	5.6	6.1	6.3	
pH	NL	NL	NL	NL	NL	s.u.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Herbicides (Method 8151)																			
4-(chloro-2-methylphenoxy) acetic acid	NL	40	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dalapon, sodium salt	NL	2400	NL	NL	0.81	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dicamba	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorophenoxy, 2,4- butyric acid, 4-(db;2,4-)	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorophenoxyacetic acid, 2,4-	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichloroprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dinoseb	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TP Silvex, 2,4,5-	NL	640	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichlorophenoxyacetic acid, 2,4,5-	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Organophosphate Pesticides (Method 8141)																			
Azinphos-methyl	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlorpyrifos	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Coumaphos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Demeton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Diazinon	NL	56	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorvos	NL	40.00	3.40	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dimethoate	NL	180	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Disulfoton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
EPN (ethyl p-nitrophenyl phenylphosphorothioate)	NL	0.8	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ethoprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fensulfotion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fenthion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
lindane	0.01	24.00	0.91	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Malathion	NL	1800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
MCPPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Merphos	NL	2.4	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methyl parathion	NL	20	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Naled	NL	160	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Parathion	NL	480	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phorate	NL	16	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phosdrin (mevinphos)	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Prothiofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Ronnel	NL	4000	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Sulprofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
TEPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tetrachlorvinphos	NL	2400	42	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Trichloronate	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
OrganoChlorine Pesticides (Method 8081)																			
Aldrin	NL	2.4	0.059	0.17	0.0025	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chlordane	NL	NL	NL	1	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DDD	NL	2.4	4.20	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DDE	NL	24	2.90	NL	0.45	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
DDT	3	40.00	2.90	NL	3.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dieldrin	NL	4	0.063	0.17	0.0028	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endosulfan I	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endosulfan II	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endosulfan sulfate	NL	480	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endrin	NL	24	NL	0.4	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endrin aldehyde	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Endrin ketone	NL	NL	NL	NL	NL	mg/kg	NT	NT	NL	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Heptachlor	NL	40	0.22	NL	0.038	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Heptachlor epoxide	NL	1	0.11	NL	0.08	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclohexane, alpha	NL	640	0.16	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclohexane, beta	NL	NL	0.56	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclohexane, delta	NL	NL	0.56	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methoxychlor	NL	400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Tetraethyl dithiopyrophosphate	NL	40	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Toxaphene	NL	7.2	0.91	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

[illegible]

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method C Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB76				SB77				SB78			
Laboratory Identification							580-98070-9	580-98070-10	580-98070-11	580-98070-12	580-98070-5	580-98070-6	580-98070-7	580-98070-8	580-98070-1	580-98070-2	580-98070-3	580-98070-4
							10/7/2020	10/7/2020	10/7/2020	10/7/2020	10/7/2020	10/7/2020	10/7/2020	10/7/2020	10/7/2020	10/7/2020	10/7/2020	10/7/2020
							0 - 1 ft	1 - 2 ft	2 - 3 ft	4 - 5 ft	0 - 1 ft	1 - 2 ft	2 - 3 ft	4 - 5 ft	0 - 1 ft	1 - 2 ft	2 - 3 ft	4 - 5 ft
Sample Date	SVOCs (Method 8270)																	
Depth Range	Acenaphthene	NL	4,800	NL	NL	98	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Acenaphthylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Anthracene	NL	24,000	NL	NL	2,300	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Benz-a-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Benzidine	NL	240	0.0043	NL	0.000011	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Benzo-a-pyrene	0.1	24	0.19	30	3.9	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Benzo-b-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Benzo-g,h,i-perylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Benzo-k-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Bis (2-chloroethoxy) methane	NL	240	NL	NL	0.21	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Bis (2-chloroethyl) ether	NL	NL	0.91	NL	0.00022	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Bis (2-ethyl-hexyl) phthalate	NL	1,600	71	NL	13	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Bromophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Butyl benzyl phthalate	NL	16,000	530	NL	13	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chloro-3-methylphenol, 4-(chlorocresol)	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chloronaphthalene, 2-(beta-chloronaphthalene)	NL	6,400	NL	NL	34	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chlorophenol, 2-	NL	400	NL	NL	0.47	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chlorophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Chrysene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Dibenz-a,h-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Dichlorobenzidine, 3,3-	NL	NL	2.2	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Dichlorophenol, 2,4-	NL	240	NL	NL	0.17	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Diethyl phthalate	NL	64,000	NL	NL	72	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Dimethyl phenol, 2,4-	NL	1,600	NL	NL	1.3	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Dimethylphthalate	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Di-n-butyl phthalate	NL	NL	NL	200	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Dinitro-2-methylphenol, 4,6-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Dinitrophenol, 2,4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Dinitrotoluene, 2,4-	NL	160	3.2	NL	0.0017	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Dinitrotoluene, 2,6-	NL	24	0.67	NL	0.00031	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Di-n-octyl phthalate	NL	800	NL	NL	270,000	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Fluoranthene	NL	3,200	NL	NL	630	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Fluorene	NL	3,200	NL	NL	100	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Hexachlorobenzene	NL	160	0.63	31	0.88	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Hexachlorocyclopentadiene	NL	480	NL	NL	190	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Hexachloroethane	NL	56	25	NL	0.043	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Indeno-1,2,3-cd-pyrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Isophorone	NL	16,000	1100	NL	0.23	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Naphthalene	5	1,600	NL	NL	4.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Nitrobenzene	NL	160	NL	NL	0.1	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Nitrophenol, 2-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Nitrophenol, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Nitrosodimethylamine, N-	NL	0.64	0.02	NL	0.0000038	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Nitrosodi-n-propylamine, N-	NL	NL	0.14	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Nitrosodiphenylamine, N-	NL	NL	200	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Pentachlorophenol	NL	400	2.5	11	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Phenanthrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Phenol	NL	24,000	NL	NL	11	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Pyrene	NL	2,400	NL	NL	650	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
	Trichlorophenol, 2,4,6-	NL	80	91	NL	0.046	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
PAHs (Method 8270)																		
Acenaphthene	NL	4,800	NL	NL	98	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Acenaphthylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Anthracene	NL	24,000	NL	NL	2,300	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benz-a-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-a-pyrene	0.1	24	0.19	30	3.9	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-b-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-g,h,i-perylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-k-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chloronaphthalene, 2-(beta-chloronaphthalene)	NL	6,400	NL	NL	34	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Chrysene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Dibenz-a,h-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluoranthene	NL	3,200	NL	NL	630	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Fluorene	NL	3,200	NL	NL	100	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Indeno-1,2,3-cd-pyrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methylnaphthalene, 1-	NL	5600	34	NL	0.082	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Methylnaphthalene, 2-	NL	320	NL	NL	1.7	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Phenanthrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Pyrene	NL	2,400	NL	NL	650	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
PCBs (Method 8082)																		
Aroclor 1016	NL	5.6	14.00	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1221	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1232	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1242	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1248	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1254	NL	1.6	0.50	NL	0.71	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1260	NL	NL	0.50	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	BAY 1 SUMP BASE		BAY 1 SUMP E SIDEWALL	BAY 1 SUMP N SIDEWALL	BAY 1 SUMP S SIDEWALL	BAY 1 SUMP W SIDEWALL	BAY 3 E SIDEWALL	BAY 3 N SIDEWALL	BAY 3 S SIDEWALL	BAY 3 SUMP BASE	BAY 3 SUMP 2 FT BELOW BASE	BAY 3 W SIDEWALL	
Laboratory Identification							L1184753-03	L1187323-02	L1184753-07	L1184753-04	L1184753-05	L1184753-06	L1184753-12	L1184753-10	L1184753-11	L1184753-09	L1187323-08	L1184753-13	
Sample Date							1/29/2020	1/29/2020	1/29/2020	1/29/2020	1/29/2020	1/29/2020	1/29/2020	1/29/2020	1/29/2020	1/29/2020	1/29/2020	1/29/2020	1/29/2020
Depth Range							4 ft	4 ft	4 ft	4 ft	4 ft	4 ft	5 ft	5 ft	5 ft	5 ft	5 ft	7 FT	5 ft
Hydrocarbon																			
Gasoline range organics(Benzene Present)	30	NL	NL	200	NL	mg/kg	-	NT	-	-	-	-	-	-	-	-	NT	-	
Gasoline range organics (Benzene NonDetect)	100	NL	NL	200	NL	mg/kg	9.46	NT	2.02 J	<1	0.970 J	<0.955	0.996 J	2.02 J	1.100 J	3.85	NT	1.440 J	
Diesel range organics	2000	NL	NL	460	NL	mg/kg	39.9	NT	14.1	85.4	14.3	4.9	281	295	134	2470	1600	134	
Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	80.6	NT	51.2	187	49.4	11.00 J	630	546	325	5350	1750	267	
Total Diesel/Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	120.5	NT	65.3	272.4	63.7	15.9	911	841	459	7820	3350	401	
Metals																			
Arsenic	20	24	0.67	20	2.9	mg/kg	8.66	NT	3.8	9.07	3.4	2.61	7.54	16.4	7.45	11.5	NT	7.91	
Barium	NL	16000	NL	1250	1600	mg/kg	76.3	NT	86.2	82.9	77	58.5	83.2	99.5	84.3	150	NT	71.9	
Cadmium	2	80	NL	25	0.69	mg/kg	<0.0935	NT	<0.0817	<0.0829	<0.0778	<0.0789	0.357 J	0.3430 J	0.5250 J	0.2930 J	NT	0.086 J	
Lead	250	NL	NL	220	3000	mg/kg	101	NT	239	97.4	212	8.59	47.3	57.5	46.3	61.7	NT	30.2	
Mercury	2	NL	NL	9	2.1	mg/kg	0.03010 J	NT	0.02530 J	0.02230 J	0.02750 J	0.01630 J	0.069	0.0631	0.083	0.0638	NT	0.02830 J	
Selenium	NL	400	NL	0.8	5.2	mg/kg	<0.828	<0.254	<0.724	<0.734	<0.689	<0.699	<0.682	<0.741	<0.703	<0.697	NT	<0.699	
Silver	NL	400	NL	14	14	mg/kg	<0.016	NT	<0.14	<0.142	<0.133	<0.135	<0.132	<0.143	<0.136	<0.135	NT	<0.135	
Total Chromium	NL	NL	NL	42	NL	mg/kg	44.2	NT	76.9	41.9	73.9	27.6	27.1	34.1	24.8	40.4	NT	25.7	
Chromium,Hexavalent	19	240	NL	NL	18.00	mg/kg	NT	NT	18.9	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chromium,Trivalent	2000	120000	NL	NL	480000	mg/kg	NT	NT	58	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Other																			
% Moisture	NL	NL	NL	NL	NL	%	74.9	74.9	85.7	84.4	90	88.7	90.9	83.7	88.2	88.9	91	88.7	
pH	NL	NL	NL	NL	NL	s.u.	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Herbicides (Method 8151)																			
4-(chloro-2-methylphenoxy) acetic acid	NL	40	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dalapon, sodium salt	NL	2400	NL	NL	0.81	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dicamba	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichlorophenoxy, 2,4- butyric acid, 4-(db,2,4-)	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichlorophenoxyacetic acid, 2,4-	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichloroprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dinoseb	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
TP Silvex, 2,4,5-	NL	640	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichlorophenoxyacetic acid, 2,4,5-	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Organophosphate Pesticides (Method 8141)																			
Azinphos-methyl	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chlorpyrifos	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Coumaphos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Demeton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Diazinon	NL	56	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dichlorvos	NL	40.00	3.40	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dimethoate	NL	180	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Disulfoton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
EPN (ethyl p-nitrophenyl phenylphosphorothioate)	NL	0.8	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Ethoprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Fensulfotion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Fenthion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
lindane	0.01	24.00	0.91	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Malathion	NL	1600	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
MCPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Merphos	NL	2.4	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Methyl parathion	NL	20	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Naled	NL	160	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Parathion	NL	480	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Phorate	NL	16	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Phosdrin (mevinphos)	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Prothiofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Ronnel	NL	4000	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Sulprofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
TEPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Tetrachlorvinphos	NL	2400	42	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Trichloronate	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
OrganoChlorine Pesticides (Method 8081)																			
Aldrin	NL	2.4	0.059	0.17	0.0025	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Chlordane	NL	NL	NL	1	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
DDD	NL	2.4	4.20	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
DDE	NL	24	2.90	NL	0.45	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
DDT	3	40.00	2.90	NL	3.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Dieldrin	NL	4	0.063	0.17	0.0028	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Endosulfan I	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Endosulfan II	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Endosulfan sulfate	NL	480	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Endrin	NL	24	NL	0.4	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Endrin aldehyde	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Endrin ketone	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Heptachlor	NL	40	0.22	NL	0.038	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Heptachlor epoxide	NL	1	0.11	NL	0.08	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Hexachlorocyclohexane, alpha	NL	640	0.16	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Hexachlorocyclohexane, beta	NL	NL	0.56	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Hexachlorocyclohexane, delta	NL	NL	0.56	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Methoxychlor	NL	400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Tetraethyl dithiopyrophosphate	NL	40	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	
Toxaphene	NL	7.2	0.91	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)		Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	BAY 1 SUMP BASE		BAY 1 SUMP E SIDEWALL	BAY 1 SUMP N SIDEWALL	BAY 1 SUMP S SIDEWALL	BAY 1 SUMP W SIDEWALL	BAY 3 E SIDEWALL	BAY 3 N SIDEWALL	BAY 3 S SIDEWALL	BAY 3 SUMP BASE	BAY 3 SUMP 2 FT BELOW BASE	BAY 3 W SIDEWALL	
Laboratory Identification								L1184753-03	L1187323-02	L1184753-07 L1187323-04	L1184753-04 L1187323-03	L1184753-05	L1184753-06	L1184753-12	L1184753-10	L1184753-11	L1184753-09 L1187323-05	L1187323-08	L1184753-13	
Sample Date								1/29/2020		1/29/2020	1/29/2020	1/29/2020	1/29/2020	1/29/2020	1/29/2020	1/29/2020	1/29/2020	1/29/2020	1/29/2020	
Depth Range								4 ft		4 ft	4 ft	4 ft	4 ft	5 ft	5 ft	5 ft	5 ft	5 ft	7 FT	5 ft
VOAs																				
Acetone	NL	72000	NL	NL	NL	29	mg/kg	<0.0183	NT	0.174	<0.0162	<0.0152	<0.0154	<0.0151	<0.0164	<0.0155	<0.0154	NT	<0.0181	
Acrylonitrile	NL	NL	NL	NL	NL	NL	mg/kg	<0.00254	NT	<0.00616	<0.00225	<0.00211	<0.00214	<0.00209	<0.00227	<0.00215	<0.00214	NT	<0.00251	
Benzene	0.03	320	18	NL	NL	0.027	mg/kg	<0.000534	NT	<0.0013	<0.000474	<0.000444	<0.000451	<0.00044	<0.000478	<0.000454	<0.00045	NT	<0.000528	
Bromobenzene	NL	640	NL	NL	NL	0.56	mg/kg	<0.0014	NT	<0.00341	<0.00124	<0.00117	<0.00118	<0.00116	<0.00125	<0.00119	<0.00118	NT	<0.00139	
Bromodichloromethane	NL	1,600	16	NL	NL	0.036	mg/kg	<0.00105	NT	<0.00256	<0.000933	<0.000875	<0.000888	<0.000867	<0.000941	<0.000894	<0.000886	NT	<0.00104	
Bromoform	NL	1,600	130	NL	NL	0.36	mg/kg	<0.00799	NT	<0.0194	<0.00708	<0.00664	<0.00674	<0.00658	<0.00714	<0.00678	<0.00673	NT	<0.00789	
Bromomethane	NL	110	NL	NL	NL	0.05	mg/kg	<0.00494	NT	<0.012	<0.00438	<0.00411	<0.00417	<0.00407	<0.00442	<0.0042	<0.00416	NT	<0.00488	
Butylbenzene, n-	NL	4,000	NL	NL	NL	14	mg/kg	<0.00513	NT	<0.0125	<0.00455	<0.00427	<0.00433	<0.00423	<0.00459	<0.00435	0.00775 J	NT	<0.00507	
Butylbenzene, sec-	NL	8,000	NL	NL	NL	25	mg/kg	<0.00338	NT	<0.00821	<0.003	<0.00281	<0.00285	<0.00278	<0.00302	<0.00287	0.00629 J	NT	<0.00334	
Butylbenzene, tert-	NL	8,000	NL	NL	NL	20	mg/kg	<0.00207	NT	<0.00503	<0.00184	<0.00172	<0.00175	<0.00171	<0.00185	<0.00176	<0.00174	NT	<0.00205	
Carbon tetrachloride	NL	320	14	NL	NL	0.042	mg/kg	<0.00144	NT	<0.0035	<0.00128	<0.0012	<0.00122	<0.00119	<0.00129	<0.00122	<0.00121	NT	<0.00143	
Chlorobenzene	NL	1,600	NL	NL	NL	0.86	mg/kg	<0.000765	NT	<0.00186	<0.000679	<0.000637	<0.000646	<0.000631	<0.000684	<0.00065	<0.000645	NT	<0.000756	
Chloroethane (ethyl chloride)	NL	NL	NL	NL	NL	NL	mg/kg	<0.00144	NT	<0.0035	<0.00128	<0.0012	<0.00122	<0.00119	<0.00129	<0.00122	<0.00121	NT	<0.00143	
Chloroform	NL	800	32	NL	NL	0.074	mg/kg	<0.000554	NT	<0.00135	<0.000492	<0.000461	<0.000468	<0.000457	<0.000496	<0.000471	<0.000467	NT	<0.000548	
Chloromethane	NL	NL	NL	NL	NL	NL	mg/kg	<0.00186	NT	<0.00451	<0.00165	<0.00154	<0.00157	<0.00153	<0.00166	<0.00158	<0.00156	NT	<0.00183	
Chlorotoluene, o-	NL	1600	NL	NL	NL	1.9	mg/kg	<0.00123	NT	<0.00298	<0.00109	<0.00102	<0.00104	<0.00101	<0.0011	<0.00104	<0.00103	NT	<0.00121	
Chlorotoluene, p-	NL	NL	NL	NL	NL	NL	mg/kg	<0.00151	NT	<0.00367	<0.00134	<0.00126	<0.00127	<0.00124	<0.00135	<0.00128	<0.00127	NT	<0.00149	
Cumene	NL	8,000	NL	NL	NL	15	mg/kg	<0.00115	NT	<0.0028	<0.00102	<0.000959	<0.000973	<0.00095	<0.00103	<0.000979	0.00333	NT	<0.00114	
Cymene	NL	NL	NL	NL	NL	NL	mg/kg	<0.00311	NT	<0.00756	<0.00276	<0.00259	<0.00263	<0.00256	<0.00278	<0.00264	0.00624	NT	<0.00307	
Dibromo-3-chloropropane, 1,2-	NL	16	1.3	NL	NL	0.0013	mg/kg	<0.00681	NT	<0.0165	<0.00604	<0.00567	<0.00575	<0.00561	<0.00609	<0.00578	<0.00574	NT	<0.00673	
Dibromochloromethane	NL	1,600	12	NL	NL	0.028	mg/kg	<0.000601	NT	<0.00146	<0.000533	<0.0005	<0.000507	<0.000495	<0.000537	<0.00051	<0.000506	NT	<0.000594	
Dichlorobenzene, 1,2-	NL	7,200	NL	NL	NL	7	mg/kg	<0.00194	NT	<0.0047	<0.00172	<0.00161	<0.00163	<0.0016	<0.00173	<0.00164	<0.00163	<0.101	<0.00191	
Dichlorobenzene, 1,3-	NL	NL	NL	NL	NL	NL	mg/kg	<0.00227	NT	<0.00552	<0.00201	<0.00189	<0.00192	<0.00187	<0.00203	<0.00193	<0.00191	<0.11	<0.00224	
Dichlorobenzene, 1,4-	NL	5,600	190	NL	NL	1.2	mg/kg	<0.00263	NT	<0.00639	<0.00233	<0.00219	<0.00222	<0.00217	<0.00235	<0.00223	<0.00222	<0.11	<0.0026	
Dichlorodifluoromethane	NL	16,000	NL	NL	NL	38	mg/kg	<0.00109	NT	<0.00265	<0.000969	<0.000909	<0.000922	<0.0009	<0.000977	<0.000928	<0.00092	NT	<0.00108	
Dichloroethane, 1,1-	NL	16,000	180	NL	NL	0.041	mg/kg	<0.000768	NT	<0.00187	<0.000681	<0.000639	<0.000648	<0.000633	<0.000687	<0.000652	<0.000647	NT	<0.000759	
Dichloroethane, 1,2-	NL	480	11	NL	NL	0.023	mg/kg	<0.000635	NT	<0.00154	<0.000563	<0.000528	<0.000535	<0.000523	<0.000567	<0.000539	<0.000534	NT	<0.000627	
Dichloroethylene, 1,1-	NL	4,000	NL	NL	NL	0.046	mg/kg	<0.000668	NT	<0.00162	<0.000592	<0.000555	<0.000564	<0.00055	<0.000597	<0.000567	<0.000562	NT	<0.00066	
Dichloroethylene, cis-1,2-	NL	160	NL	NL	NL	0.078	mg/kg	<0.000922	NT	<0.00224	<0.000817	<0.000767	<0.000778	<0.000759	<0.000824	<0.000782	<0.000776	NT	<0.000911	
Dichloroethylene, trans-1,2	NL	1,600	NL	NL	NL	0.52	mg/kg	<0.00191	NT	<0.00464	<0.00169	<0.00159	<0.00161	<0.00157	<0.00171	<0.00162	<0.00161	NT	<0.00189	
Dichloropropane, 1,2-	NL	3,200	27	NL	NL	0.025	mg/kg	<0.0017	NT	<0.00412	<0.0015	<0.00141	<0.00143	<0.0014	<0.00152	<0.00144	<0.00143	NT	<0.00168	
Dichloropropane, 1,3-	NL	1,600	NL	NL	NL	0.88	mg/kg	<0.00234	NT	<0.00568	<0.00207	<0.00194	<0.00197	<0.00193	<0.00209	<0.00198	<0.00197	NT	<0.00231	
Dichloropropane, 2,2-	NL	NL	NL	NL	NL	NL	mg/kg	<0.00106	NT	<0.00257	<0.000939	<0.000881	<0.000894	<0.000873	<0.000947	<0.000899	<0.000892	NT	<0.00105	
Dichloropropene, 1,1-	NL	NL	NL	NL	NL	NL	mg/kg	<0.000935	NT	<0.00227	<0.000829	<0.000778	<0.000789	<0.00077	<0.000836	<0.000794	<0.000787	NT	<0.000924	
Dichloropropene, cis 1,3-	NL	NL	NL	NL	NL	NL	mg/kg	<0.000906	NT	<0.0022	<0.000803	<0.000753	<0.000764	<0.000746	<0.00081	<0.000769	<0.000763	NT	<0.000895	
Dichloropropene, trans 1,3-	NL	NL	NL	NL	NL	NL	mg/kg	<0.00204	NT	<0.00496	<0.00181	<0.0017	<0.00172	<0.00168	<0.00183	<0.00173	<0.00172	NT	<0.00202	
Diisopropyl ether	NL	NL	NL	NL	NL	NL	mg/kg	<0.000468	NT	<0.00114	<0.000415	<0.000389	<0.000395	<0.000385	<0.000418	<0.000397	<0.000394	NT	<0.000462	
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SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	BAY 1 SUMP BASE		BAY 1 SUMP E SIDEWALL	BAY 1 SUMP N SIDEWALL	BAY 1 SUMP S SIDEWALL	BAY 1 SUMP W SIDEWALL	BAY 3 E SIDEWALL	BAY 3 N SIDEWALL	BAY 3 S SIDEWALL	BAY 3 SUMP BASE	BAY 3 SUMP 2 FT BELOW BASE	BAY 3 W SIDEWALL		
Laboratory Identification							L1184753-03	L1187323-02	L1184753-07 L1187323-04	L1184753-04 L1187323-03	L1184753-05	L1184753-06	L1184753-12	L1184753-10	L1184753-11	L1184753-09 L1187323-05	L1187323-08	L1184753-13		
							1/29/2020	1/29/2020	1/29/2020	1/29/2020	1/29/2020	1/29/2020	1/29/2020	1/29/2020	1/29/2020	1/29/2020	1/29/2020	1/29/2020		
Depth Range	4 ft		4 ft		4 ft		4 ft		4 ft		5 ft		5 ft		5 ft		7 FT		5 ft	
SVOCs (Method 8270)																				
Acenaphthene	NL	4,800	NL	NL	98	mg/kg	NT	NT	NT	<0.0076	NT	NT	NT	NT	NT	<0.0144	<0.0705	NT		
Acenaphthylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00795	NT	NT	NT	NT	NT	<0.0151	<0.0737	NT		
Anthracene	NL	24,000	NL	NL	2,300	mg/kg	NT	NT	NT	<0.00749	NT	NT	NT	NT	NT	<0.0142	<0.0694	NT		
Benzo-a-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00507	NT	NT	NT	NT	NT	<0.00963	<0.047	NT		
Benzidine	NL	240	0.0043	NL	0.000011	mg/kg	NT	NT	NT	<0.0755	NT	NT	NT	NT	NT	<0.143	<0.7	NT		
Benzo-a-pyrene	0.1	24	0.19	30	3.9	mg/kg	NT	NT	NT	<0.00649	NT	NT	NT	NT	NT	<0.0123	<0.0602	NT		
Benzo-b-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00823	NT	NT	NT	NT	NT	<0.0156	<0.0763	NT		
Benzo-g,h,i-perylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00854	NT	NT	NT	NT	NT	<0.0162	<0.0792	NT		
Benzo-k-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00689	NT	NT	NT	NT	NT	<0.0131	<0.0639	NT		
Bis (2-chloroethoxy) methane	NL	240	NL	NL	0.21	mg/kg	NT	NT	NT	<0.00912	NT	NT	NT	NT	NT	<0.0173	<0.0846	NT		
Bis (2-chloroethyl) ether	NL	NL	0.91	NL	0.00022	mg/kg	NT	NT	NT	<0.0106	NT	NT	NT	NT	NT	<0.0202	<0.0984	NT		
Bis (2-ethyl-hexyl) phthalate	NL	1,600	71	NL	13	mg/kg	NT	NT	NT	0.118 J	NT	NT	NT	NT	NT	1.9	0.361 J	NT		
Bromophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.0135	NT	NT	NT	NT	NT	<0.0256	<0.125	NT		
Butyl benzyl phthalate	NL	16,000	530	NL	13	mg/kg	NT	NT	NT	<0.0122	NT	NT	NT	NT	NT	<0.0232	<0.113	NT		
Chloro-3-methylphenol, 4-(chlorocresol))	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00565	NT	NT	NT	NT	NT	<0.0107	<0.0524	NT		
Chloronaphthalene, 2-(beta-chloronaphthalene)	NL	6,400	NL	NL	34	mg/kg	NT	NT	NT	<0.00757	NT	NT	NT	NT	NT	<0.0144	<0.0702	NT		
Chlorophenol, 2-	NL	400	NL	NL	0.47	mg/kg	NT	NT	NT	<0.00984	NT	NT	NT	NT	NT	<0.0187	<0.0913	NT		
Chlorophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00743	NT	NT	NT	NT	NT	<0.0141	<0.0689	NT		
Chrysene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00657	NT	NT	NT	NT	NT	<0.0125	<0.061	NT		
Dibenz-a,h-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00972	NT	NT	NT	NT	NT	<0.0185	<0.0902	NT		
Dichlorobenzidine, 3,3-	NL	NL	2.2	NL	NL	mg/kg	NT	NT	NT	<0.094	NT	NT	NT	NT	NT	<0.179	<0.872	NT		
Dichlorophenol, 2,4-	NL	240	NL	NL	0.17	mg/kg	NT	NT	NT	<0.00884	NT	NT	NT	NT	NT	<0.0168	<0.0819	NT		
Diethyl phthalate	NL	64,000	NL	NL	72	mg/kg	NT	NT	NT	<0.00818	NT	NT	NT	NT	NT	<0.0155	<0.0759	NT		
Dimethyl phenol, 2,4-	NL	1,600	NL	NL	1.3	mg/kg	NT	NT	NT	<0.0558	NT	NT	NT	NT	NT	<0.106	<0.517	NT		
Dimethylphthalate	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.0064	NT	NT	NT	NT	NT	<0.0121	<0.0593	NT		
Di-n-butyl phthalate	NL	NL	NL	200	NL	mg/kg	NT	NT	NT	<0.0129	NT	NT	NT	NT	NT	0.0703 J	<0.12	NT		
Dinitro-2-methylphenol, 4,6-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.147	NT	NT	NT	NT	NT	<0.279	<1.36	NT		
Dinitrophenol, 2,4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.116	NT	NT	NT	NT	NT	<0.22	<1.08	NT		
Dinitrotoluene, 2,4-	NL	160	3.2	NL	0.0017	mg/kg	NT	NT	NT	<0.00719	NT	NT	NT	NT	NT	<0.0137	<0.0667	NT		
Dinitrotoluene, 2,6-	NL	24	0.67	NL	0.00031	mg/kg	NT	NT	NT	<0.00873	NT	NT	NT	NT	NT	<0.0166	<0.0809	NT		
Di-n-octyl phthalate	NL	800	NL	NL	270,000	mg/kg	NT	NT	NT	<0.0107	NT	NT	NT	NT	NT	<0.0204	<0.0996	NT		
Fluoranthene	NL	3,200	NL	NL	630	mg/kg	NT	NT	NT	0.00642 J	NT	NT	NT	NT	NT	0.0272 J	<0.0545	NT		
Fluorene	NL	3,200	NL	NL	100	mg/kg	NT	NT	NT	<0.00808	NT	NT	NT	NT	NT	<0.0153	<0.0749	NT		
Hexachlorobenzene	NL	160	0.63	31	0.88	mg/kg	NT	NT	NT	<0.0101	NT	NT	NT	NT	NT	<0.0193	<0.094	NT		
Hexachlorocyclopentadiene	NL	480	NL	NL	190	mg/kg	NT	NT	NT	<0.0695	NT	NT	NT	NT	NT	<0.132	<0.645	NT		
Hexachloroethane	NL	56	25	NL	0.043	mg/kg	NT	NT	NT	<0.0159	NT	NT	NT	NT	NT	<0.0301	<0.147	NT		
Indeno-1,2,3-cd-pyrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00914	NT	NT	NT	NT	NT	<0.0174	<0.0848	NT		
Isophorone	NL	16,000	1100	NL	0.23	mg/kg	NT	NT	NT	<0.00618	NT	NT	NT	NT	NT	<0.0117	<0.0573	NT		
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	NT	NT	NT	<0.0105	NT	NT	NT	NT	NT	<0.02	<0.0976	NT		
Nitrobenzene	NL	160	NL	NL	0.1	mg/kg	NT	NT	NT	<0.00823	NT	NT	NT	NT	NT	<0.0156	<0.0763	NT		
Nitrophenol, 2-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.0154	NT	NT	NT	NT	NT	<0.0292	<0.143	NT		
Nitrophenol, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.0622	NT	NT	NT	NT	NT	<0.118	<0.577	NT		
Nitrosodimethylamine, N-	NL	0.64	0.02	NL	0.0000038	mg/kg	NT	NT	NT	<0.0766	NT	NT	NT	NT	NT	<0.146	<0.711	NT		
Nitrosodi-n-propylamine, N-	NL	NL	0.14	NL	NL	mg/kg	NT	NT	NT	<0.0107	NT	NT	NT	NT	NT	<0.0204	<0.0995	NT		
Nitrosodiphenylamine, N-	NL	NL	200	NL	NL	mg/kg	NT	NT	NT	<0.107	NT	NT	NT	NT	NT	<0.202	<0.988	NT		
Pentachlorophenol	NL	400	2.5	11	NL	mg/kg	NT	NT	NT	<0.0569	NT	NT	NT	NT	NT	<0.108	<0.527	NT		
Phenanthrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	0.0184 J	NT	NT	NT	NT	NT	0.0458 J	<0.058	NT		
Phenol	NL	24,000	NL	NL	11	mg/kg	NT	NT	NT	<0.00823	NT	NT	NT	NT	NT	0.0332 J	<0.0763	NT		
Pyrene	NL	2,400	NL	NL	650	mg/kg	NT	NT	NT	<0.0146	NT	NT	NT	NT	NT	0.0493 J	<0.135	NT		
Trichlorophenol, 2,4,6-	NL	80	91	NL	0.046	mg/kg	NT	NT	NT	<0.00923	NT	NT	NT	NT	NT	<0.0175	<0.0856	NT		
PAHs (Method 8270)																				
Acenaphthene	NL	4,800	NL	NL	98	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
Acenaphthylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
Anthracene	NL	24,000	NL	NL	2,300	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
Benzo-a-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
Benzo-a-pyrene	0.1	24	0.19	30	3.9	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
Benzo-b-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
Benzo-g,h,i-perylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
Benzo-k-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
Chloronaphthalene, 2-(beta-chloronaphthalene)	NL	6,400	NL	NL	34	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
Chrysene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
Dibenz-a,h-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
Fluoranthene	NL	3,200	NL	NL	630	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
Fluorene	NL	3,200	NL	NL	100	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
Indeno-1,2,3-cd-pyrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
Methylnaphthalene, 1-	NL	5600	34	NL	0.082	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
Methylnaphthalene, 2-	NL	320	NL	NL	1.7	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
Phenanthrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
Pyrene	NL	2,400	NL	NL	650	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
PCBs (Method 8082)																				
Aroclor 1016	NL	5.6	14.00	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
Aroclor 1221	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
Aroclor 1232	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
Aroclor 1242	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
Aroclor 1248	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
Aroclor 1254	NL	1.6	0.50	NL	0.71	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		
Aroclor 1260	NL	NL	0.50	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT		

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	EXTERIOR SUMP BASE	EXT SUMP E SIDEWALL	EXT SUMP N SIDEWALL	EXT SUMP S SIDEWALL	EXT SUMP W SIDEWALL	SUMP LINE MIDPOINT	SUMP LINE MIDPOINT 2' BELOW BASE	BAY 4 SUMP LINE END
Laboratory Identification							L1184753-14	L1184753-01	L1184753-15	L1184753-16 L1187323-06	L1184753-02	L1184719-01 L1187323-01 L11800541-01	L1187323-07	L1184753-08
Sample Date							1/29/2020	1/29/2020	1/29/2020	1/29/2020	1/29/2020	1/30/2020		1/30/2020
Depth Range							3 ft	3 ft	3 ft	3 ft	3 ft	1 ft	3 ft	1 ft
Hydrocarbon														
Gasoline range organics(Benzene Present)	30	NL	NL	200	NL	mg/kg	-	-	-	-	-	-	NT	-
Gasoline range organics (Benzene NonDetect	100	NL	NL	200	NL	mg/kg	<0.995	<0.972	<0.984	<0.986	<0.98	6.56 B	NT	1.110 J
Diesel range organics	2000	NL	NL	460	NL	mg/kg	<1.56	3.53 J	1.88 J	4.47 J	1.60 J	60.7	NT	50.6
Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	<3.91	4.30 J	<3.87	12.3	<3.85	190	NT	151
Total Diesel/Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	2.735	46.53	3.815	16.77	3.525	250.7	NT	201.6
Metals														
Arsenic	20	24	0.67	20	2.9	mg/kg	9.22	1.490 J	6.28	54.8	6.83	8.24	NT	3.01
Barium	NL	16000	NL	1250	1600	mg/kg	48.5	49.9	53.2	132	48.8	163	NT	121
Cadmium	2	80	NL	25	0.69	mg/kg	<0.0822	<0.0803	<0.0813	<0.0814	<0.0809	0.521 J	0.299 J	<0.0766
Lead	250	NL	NL	220	3000	mg/kg	4.11	24.9	4.31	50.7	6.76	94.5	NT	7.09
Mercury	2	NL	NL	9	2.1	mg/kg	0.01410 J	0.02340 J	0.01230 J	0.02400 J	0.01400 J	0.162	NT	0.02590 J
Selenium	NL	400	NL	0.8	5.2	mg/kg	<0.728	<0.711	<0.72	<0.721	<0.717	0.521 J	0.299 J	<0.679
Silver	NL	400	NL	NL	14	mg/kg	<0.141	<0.138	<0.139	<0.14	<0.139	<0.184	NT	<0.131
Total Chromium	NL	NL	NL	42	NL	mg/kg	20.9	31.5	21.5	28.1	26	52.8	13	31.9
Chromium,Hexavalent	19	240	NL	NL	18.00	mg/kg	NT	NT	NT	NT	NT	<0.983	NT	NT
Chromium,Trivalent	2000	120000	NL	NL	480000	mg/kg	NT	NT	NT	NT	NT	52.8	NT	NT
Other														
% Moisture	NL	NL	NL	NL	NL	%	85.2	87.2	86.1	86	86.5	65.1	94.3	91.3
pH	NL	NL	NL	NL	NL	s.u.	NT	NT	NT	NT	NT	NT	NT	NT
Herbicides (Method 8151)														
4-(chloro-2-methylphenoxy) acetic acid	NL	40	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Dalapon, sodium salt	NL	2400	NL	NL	0.81	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Dicamba	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorophenoxy, 2,4- butyric acid, 4-(db,2,4-)	NL	2400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorophenoxyacetic acid, 2,4-(db,2,4-)	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Dichloroprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Dinoseb	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
TP Silvex, 2,4,5-	NL	640	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Trichlorophenoxyacetic acid, 2,4,5-	NL	800	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Organophosphate Pesticides (Method 8141)														
Azinphos-methyl	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Chlorpyrifos	NL	80	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Coumaphos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Demeton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Diazinon	NL	56	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Dichlorvos	NL	40.00	3.40	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Dimethoate	NL	180	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Disulfoton	NL	3.2	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
EPN (ethyl p-nitrophenyl phenylphosphorothioate)	NL	0.8	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Ethoprop	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Fensulfothion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Fenthion	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
lindane	0.01	24.00	0.91	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Malathion	NL	1600	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
MCPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Merphos	NL	2.4	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Methyl parathion	NL	20	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Naled	NL	160	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Parathion	NL	480	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Phorate	NL	16	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Phosdrin (mevinphos)	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Prothiofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Ronnel	NL	4000	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Sulprofos	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
TEPP	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Tetrachlorvinphos	NL	2400	42	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Trichloronate	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
OrganoChlorine Pesticides (Method 8081)														
Aldrin	NL	2.4	0.059	0.17	0.0025	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Chlordane	NL	NL	NL	1	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
DDD	NL	2.4	4.20	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
DDE	NL	24	2.90	NL	0.45	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
DDT	3	40.00	2.90	NL	3.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Dieldrin	NL	4	0.063	0.17	0.0028	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Endosulfan I	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Endosulfan II	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Endosulfan sulfate	NL	480	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Endrin	NL	24	NL	0.4	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Endrin aldehyde	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Endrin ketone	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Heptachlor	NL	40	0.22	NL	0.038	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Heptachlor epoxide	NL	1	0.11	NL	0.08	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclohexane, alpha	NL	640	0.16	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclohexane, beta	NL	NL	0.56	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Hexachlorocyclohexane, delta	NL	NL	0.56	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Methoxychlor	NL	400	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Tetraethyl dithiopyrophosphate	NL	40	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Toxaphene	NL	7.2	0.91	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT

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Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

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Laboratory Identification							L1184753-14	L1184753-01	L1184753-15	L1184753-16 L1187323-06	L1184753-02	L1184719-01 L1187323-01 L1180054-01	L1187323-07	L1184753-08
Sample Date							1/29/2020	1/29/2020	1/29/2020	1/29/2020	1/29/2020	1/30/2020		1/30/2020
Depth Range							3 ft	3 ft	3 ft	3 ft	3 ft	1 ft	3 ft	1 ft
VOAs														
Acetone	NL	72000	NL	NL	29	mg/kg	<0.0161	<0.0157	<0.0159	<0.0159	<0.0158	<0.0606	NT	<0.015
Acrylonitrile	NL	NL	NL	NL	NL	mg/kg	<0.00223	<0.00218	<0.00221	<0.00221	<0.0022	<0.0084	NT	<0.00208
Benzene	0.03	320	18	NL	0.027	mg/kg	<0.00047	<0.000459	<0.000465	<0.000465	<0.000462	<0.00177	NT	<0.000438
Bromobenzene	NL	640	NL	NL	0.56	mg/kg	<0.00123	<0.0012	<0.00122	<0.00122	<0.00121	<0.00464	NT	<0.00115
Bromodichloromethane	NL	1,600	16	NL	0.036	mg/kg	<0.000925	<0.000904	<0.000915	<0.000917	<0.000911	<0.00348	NT	<0.000863
Bromoform	NL	1,600	130	NL	0.36	mg/kg	<0.00702	<0.00686	<0.00695	<0.00696	<0.00691	<0.0264	NT	<0.00655
Bromomethane	NL	110	NL	NL	0.05	mg/kg	<0.00434	<0.00424	<0.0043	<0.0043	<0.00428	<0.0164	NT	<0.00405
Butylbenzene, n-	NL	4,000	NL	NL	14	mg/kg	<0.00451	<0.0044	<0.00446	<0.00447	<0.00444	<0.017	NT	<0.0042
Butylbenzene, sec-	NL	8,000	NL	NL	25	mg/kg	<0.00297	<0.0029	<0.00294	<0.00294	<0.00293	<0.0112	NT	<0.00277
Butylbenzene, tert-	NL	8,000	NL	NL	20	mg/kg	<0.00182	<0.00178	<0.0018	<0.0018	<0.00179	<0.00685	NT	<0.0017
Carbon tetrachloride	NL	320	14	NL	0.042	mg/kg	<0.00127	<0.00124	<0.00125	<0.00126	<0.00125	<0.00478	NT	<0.00118
Chlorobenzene	NL	1,600	NL	NL	0.86	mg/kg	<0.000673	<0.000657	<0.000666	<0.000667	<0.000662	<0.00253	NT	<0.000627
Chloroethane (ethyl chloride)	NL	NL	NL	NL	NL	mg/kg	<0.00127	<0.00124	<0.00125	<0.00126	<0.00125	<0.00478	NT	<0.00118
Chloroform	NL	800	32	NL	0.074	mg/kg	<0.000487	<0.000476	<0.000482	<0.000483	<0.00048	<0.00184	NT	<0.000454
Chloromethane	NL	NL	NL	NL	NL	mg/kg	<0.00163	<0.00159	<0.00161	<0.00162	<0.00161	<0.00615	NT	<0.00152
Chlorotoluene, o-	NL	1600	NL	NL	1.9	mg/kg	<0.00108	<0.00105	<0.00107	<0.00107	<0.00106	<0.00407	NT	<0.00101
Chlorotoluene, p-	NL	NL	NL	NL	NL	mg/kg	<0.00133	<0.0013	<0.00131	<0.00131	<0.00131	<0.005	NT	<0.00124
Cumene	NL	8,000	NL	NL	15	mg/kg	<0.00101	<0.00099	<0.001	<0.001	<0.000998	<0.00382	NT	<0.000945
Cymene	NL	NL	NL	NL	NL	mg/kg	<0.00274	<0.00267	<0.00271	<0.00271	<0.00269	<0.0103	NT	<0.00255
Dibromo-3-chloropropane, 1,2-	NL	16	1.3	NL	0.0013	mg/kg	<0.00599	<0.00585	<0.00592	<0.00593	<0.0059	<0.0226	NT	<0.00558
Dibromochloromethane	NL	1,600	12	NL	0.028	mg/kg	<0.000528	<0.000516	<0.000523	<0.000524	<0.00052	<0.00199	NT	<0.000493
Dichlorobenzene, 1,2-	NL	7,200	NL	NL	7	mg/kg	<0.0017	<0.00166	<0.00168	<0.00169	<0.00168	<0.00641	NT	<0.00159
Dichlorobenzene, 1,3-	NL	NL	NL	NL	NL	mg/kg	<0.002	<0.00195	<0.00197	<0.00198	<0.00197	<0.00752	NT	<0.00186
Dichlorobenzene, 1,4-	NL	5,600	190	NL	1.2	mg/kg	<0.00231	<0.00226	<0.00229	<0.00229	<0.00228	<0.00871	NT	<0.00216
Dichlorodifluoromethane	NL	16,000	NL	NL	38	mg/kg	<0.00096	<0.000938	<0.00095	<0.000952	<0.000946	<0.00362	NT	<0.000896
Dichloroethane, 1,1-	NL	16,000	180	NL	0.041	mg/kg	<0.000675	<0.000659	<0.000668	<0.000669	<0.000665	<0.00254	NT	<0.00063
Dichloroethane, 1,2-	NL	480	11	NL	0.023	mg/kg	<0.000558	<0.000545	<0.000552	<0.000553	<0.000549	<0.0021	NT	<0.00052
Dichloroethylene, 1,1-	NL	4,000	NL	NL	0.046	mg/kg	<0.000587	<0.000573	<0.000581	<0.000582	<0.000578	<0.00221	NT	<0.000547
Dichloroethylene, cis-1,2-	NL	160	NL	NL	0.078	mg/kg	<0.00081	<0.000791	<0.000801	<0.000803	<0.000798	<0.00305	NT	<0.000755
Dichloroethylene, trans-1,2	NL	1,600	NL	NL	0.52	mg/kg	<0.00168	<0.00164	<0.00166	<0.00166	<0.00165	<0.00632	NT	<0.00157
Dichloropropane, 1,2-	NL	3,200	27	NL	0.025	mg/kg	<0.00149	<0.00146	<0.00148	<0.00148	<0.00147	<0.00562	NT	<0.00139
Dichloropropane, 1,3-	NL	1,600	NL	NL	0.88	mg/kg	<0.00205	<0.00201	<0.00203	<0.00204	<0.00202	<0.00774	NT	<0.00192
Dichloropropane, 2,2-	NL	NL	NL	NL	NL	mg/kg	<0.000931	<0.000909	<0.000921	<0.000923	<0.000917	<0.00351	NT	<0.000868
Dichloropropene, 1,1-	NL	NL	NL	NL	NL	mg/kg	<0.000822	<0.000803	<0.000813	<0.000814	<0.000809	<0.0031	NT	<0.000766
Dichloropropene, cis 1,3-	NL	NL	NL	NL	NL	mg/kg	<0.000796	<0.000777	<0.000788	<0.000789	<0.000784	<0.003	NT	<0.000742
Dichloropropene, trans 1,3-	NL	NL	NL	NL	NL	mg/kg	<0.0018	<0.00175	<0.00178	<0.00178	<0.00177	<0.00677	NT	<0.00168
Diisopropyl ether	NL	NL	NL	NL	NL	mg/kg	<0.000411	<0.000401	<0.000407	<0.000407	<0.000405	<0.00155	NT	<0.000383
Ethyl benzene	6	8,000	NL	NL	5.9	mg/kg	0.000676 J	<0.000608	<0.000616	<0.000617	<0.000613	<0.00234	NT	0.00113 J
Ethylene dibromide	0.005	720	0.5	NL	0.00027	mg/kg	<0.000616	<0.000602	<0.00061	<0.000611	<0.000607	<0.00232	NT	<0.000575
Hexachlorobutadiene	NL	80	13.00	NL	0.60	mg/kg	<0.0149	<0.0146	<0.0148	<0.0148	<0.0147	<0.0562	NT	<0.0139
Methyl ethyl ketone	NL	48,000	NL	NL	20	mg/kg	<0.0147	<0.0143	<0.0145	<0.0145	<0.0145	0.1410 B	NT	0.0258 B J
Methyl isobutyl ketone	NL	6,400	NL	NL	2.7	mg/kg	<0.0117	<0.0115	<0.0116	<0.0116	<0.0116	<0.0442	NT	<0.0109
Methylene bromide	NL	800	NL	NL	0.36	mg/kg	<0.00117	<0.00115	<0.00116	<0.00116	<0.00116	<0.00442	NT	<0.00109
Methylene chloride	0.02	480	94	NL	0.021	mg/kg	<0.0078	<0.00761	<0.00771	<0.00773	<0.00768	<0.0294	NT	<0.00727
MTBE	0.1	NL	560	NL	0.10	mg/kg	<0.000346	<0.000338	<0.000343	<0.000343	<0.000341	<0.0013	NT	<0.000323
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	<0.00366	<0.00358	<0.00362	<0.00363	<0.00361	<0.0138	NT	<0.00342
Propylbenzene, n-	NL	8,000	NL	NL	16	mg/kg	<0.00139	<0.00135	<0.00137	<0.00137	<0.00136	<0.00522	NT	<0.00129
Styrene	NL	16,000	NL	NL	2.2	mg/kg	<0.00321	<0.00313	<0.00317	<0.00318	<0.00316	0.0298 J	NT	0.00323 J
Tetrachloroethane, 1,1,1,2-	NL	2,400	38	NL	0.0098	mg/kg	<0.000587	<0.000573	<0.000581	<0.000582	<0.000578	<0.00221	NT	<0.000547
Tetrachloroethane, 1,1,2,2-	NL	1,600	5	NL	0.0012	mg/kg	<0.000458	<0.000447	<0.000453	<0.000454	<0.000451	<0.00172	NT	<0.000427
Tetrachloroethylene	0.05	480	480	NL	0.05	mg/kg	<0.000822	<0.000803	<0.000813	<0.000814	<0.000809	0.0055 J	NT	<0.000766
Toluene	7	6,400	NL	NL	4.5	mg/kg	0.00209 J	0.00188 J	<0.00145	0.00168 J	<0.00145	0.0349	NT	0.00303 J
Trichloro-1,2,2-trifluoroethane, 1,1,2-	NL	2,400,000	NL	NL	7,600	mg/kg	<0.000793	<0.000774	<0.000784	<0.000785	<0.00078	<0.00299	NT	<0.000739
Trichlorobenzene, 1,2,3-	NL	64	NL	NL	0.2	mg/kg	<0.000734	<0.000717	<0.000726	<0.000727	<0.000723	<0.00276	NT	<0.000684
Trichlorobenzene, 1,2,4-	NL	800	34	NL	0.56	mg/kg	<0.00566	<0.00553	<0.0056	<0.00561	<0.00557	<0.0213	NT	<0.00528
Trichloroethane, 1,1,1-	2	160,000	NL	NL	1.5	mg/kg	<0.000323	<0.000315	<0.000319	<0.00032	<0.000318	<0.00122	NT	<0.000301
Trichloroethane, 1,1,2-	NL	320	18	NL	0.017	mg/kg	<0.00104	<0.00101	<0.00103	<0.00103	<0.00102	<0.0039	NT	<0.000967
Trichloroethylene	0.0													

Table # 1
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	EXTERIOR SUMP BASE	EXT SUMP E SIDEWALL	EXT SUMP N SIDEWALL	EXT SUMP S SIDEWALL	EXT SUMP W SIDEWALL	SUMP LINE MIDPOINT	SUMP LINE MIDPOINT 2' BELOW BASE	BAY 4 SUMP LINE END
Laboratory Identification							L1184753-14	L1184753-01	L1184753-15	L1184753-16 L1187323-06	L1184753-02	L1184719-01 L1187323-01 L1100054-01	L1187323-07	L1184753-08
Sample Date							1/29/2020	1/29/2020	1/29/2020	1/29/2020	1/29/2020	1/30/2020		1/30/2020
Depth Range							3 ft	3 ft	3 ft	3 ft	3 ft	1 ft	3 ft	1 ft
SVOCs (Method 8270)														
Acenaphthene	NL	4,800	NL	NL	98	mg/kg	NT	NT	NT	<0.00747	NT	<0.0493	NT	NT
Acenaphthylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00781	NT	<0.0515	NT	NT
Anthracene	NL	24,000	NL	NL	2,300	mg/kg	NT	NT	NT	<0.00735	NT	<0.0485	NT	NT
Benz-a-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00498	NT	0.0381 J	NT	NT
Benzdine	NL	240	0.0043	NL	0.000011	mg/kg	NT	NT	NT	<0.0741	NT	<0.489	NT	NT
Benzo-a-pyrene	0.1	24	0.19	30	3.9	mg/kg	NT	NT	NT	<0.00638	NT	0.0456 J	NT	NT
Benzo-b-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00809	NT	0.0825 J	NT	NT
Benzo-g,h,i-perylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00839	NT	<0.0554	NT	NT
Benzo-k-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00677	NT	<0.0447	NT	NT
Bis (2-chloroethoxy) methane	NL	240	NL	NL	0.21	mg/kg	NT	NT	NT	<0.00896	NT	<0.0591	NT	NT
Bis (2-chloroethyl) ether	NL	NL	0.91	NL	0.00022	mg/kg	NT	NT	NT	<0.0104	NT	<0.0688	NT	NT
Bis (2-ethyl-hexyl) phthalate	NL	1,600	71	NL	13	mg/kg	NT	NT	NT	0.0283 J	NT	0.537 J	NT	NT
Bromophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.0133	NT	<0.0875	NT	NT
Butyl benzyl phthalate	NL	16,000	530	NL	13	mg/kg	NT	NT	NT	<0.012	NT	<0.0791	NT	NT
Chloro-3-methylphenol, 4- (chlorocresol))	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00555	NT	<0.0366	NT	NT
Chloronaphthalene, 2- (beta-chloronaphthalene)	NL	6,400	NL	NL	34	mg/kg	NT	NT	NT	<0.00743	NT	<0.0491	NT	NT
Chlorophenol, 2-	NL	400	NL	NL	0.47	mg/kg	NT	NT	NT	<0.00967	NT	<0.0638	NT	NT
Chlorophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00729	NT	<0.0481	NT	NT
Chrysene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00646	NT	0.0576 J	NT	NT
Dibenz-a,h-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00955	NT	<0.063	NT	NT
Dichlorobenzidine, 3,3-	NL	NL	2.2	NL	NL	mg/kg	NT	NT	NT	<0.0924	NT	<0.61	NT	NT
Dichlorophenol, 2,4-	NL	240	NL	NL	0.17	mg/kg	NT	NT	NT	<0.00868	NT	<0.0573	NT	NT
Diethyl phthalate	NL	64,000	NL	NL	72	mg/kg	NT	NT	NT	<0.00804	NT	<0.0531	NT	NT
Dimethyl phenol, 2,4-	NL	1,600	NL	NL	1.3	mg/kg	NT	NT	NT	<0.0548	NT	<0.362	NT	NT
Dimethylphthalate	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00628	NT	<0.0415	NT	NT
Di-n-butyl phthalate	NL	NL	NL	200	NL	mg/kg	NT	NT	NT	<0.0127	NT	<0.0837	NT	NT
Dinitro-2-methylphenol, 4,6-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.144	NT	<0.952	NT	NT
Dinitrophenol, 2,4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.114	NT	<0.752	NT	NT
Dinitrotoluene, 2,4-	NL	160	3.2	NL	0.0017	mg/kg	NT	NT	NT	<0.00706	NT	<0.0466	NT	NT
Dinitrotoluene, 2,6-	NL	24	0.67	NL	0.00031	mg/kg	NT	NT	NT	<0.00857	NT	<0.0566	NT	NT
Di-n-octyl phthalate	NL	800	NL	NL	270,000	mg/kg	NT	NT	NT	<0.0106	NT	<0.0696	NT	NT
Fluoranthene	NL	3,200	NL	NL	630	mg/kg	NT	NT	NT	<0.00577	NT	0.0865 J	NT	NT
Fluorene	NL	3,200	NL	NL	100	mg/kg	NT	NT	NT	<0.00793	NT	<0.0524	NT	NT
Hexachlorobenzene	NL	160	0.63	31	0.88	mg/kg	NT	NT	NT	<0.00996	NT	<0.0657	NT	NT
Hexachlorocyclopentadiene	NL	480	NL	NL	190	mg/kg	NT	NT	NT	<0.0683	NT	<0.451	NT	NT
Hexachloroethane	NL	56	25	NL	0.043	mg/kg	NT	NT	NT	<0.0156	NT	<0.103	NT	NT
Indeno-1,2,3-cd-pyrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00898	NT	<0.0593	NT	NT
Isophorone	NL	16,000	1100	NL	0.23	mg/kg	NT	NT	NT	<0.00607	NT	<0.0401	NT	NT
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	NT	NT	NT	<0.0103	NT	<0.0683	NT	NT
Nitrobenzene	NL	160	NL	NL	0.1	mg/kg	NT	NT	NT	<0.00809	NT	<0.0534	NT	NT
Nitrophenol, 2-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.0151	NT	<0.0998	NT	NT
Nitrophenol, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.0611	NT	<0.403	NT	NT
Nitrosodimethylamine, N-	NL	0.64	0.02	NL	0.0000038	mg/kg	NT	NT	NT	<0.0753	NT	<0.497	NT	NT
Nitrosodi-n-propylamine, N-	NL	NL	0.14	NL	NL	mg/kg	NT	NT	NT	<0.0105	NT	<0.0696	NT	NT
Nitrosodiphenylamine, N-	NL	NL	200	NL	NL	mg/kg	NT	NT	NT	<0.105	NT	<0.691	NT	NT
Pentachlorophenol	NL	400	2.5	11	NL	mg/kg	NT	NT	NT	<0.0558	NT	<0.369	NT	NT
Phenanthrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00614	NT	0.0666 J	NT	NT
Phenol	NL	24,000	NL	NL	11	mg/kg	NT	NT	NT	<0.00809	NT	0.103 J	NT	NT
Pyrene	NL	2,400	NL	NL	650	mg/kg	NT	NT	NT	<0.0143	NT	<0.0944	NT	NT
Trichlorophenol, 2,4,6-	NL	80	91	NL	0.046	mg/kg	NT	NT	NT	<0.00906	NT	<0.0598	NT	NT
PAHs (Method 8270)														
Acenaphthene	NL	4,800	NL	NL	98	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Acenaphthylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Anthracene	NL	24,000	NL	NL	2,300	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Benz-a-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-a-pyrene	0.1	24	0.19	30	3.9	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-b-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-g,h,i-perylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Benzo-k-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Chloronaphthalene, 2- (beta-chloronaphthalene)	NL	6,400	NL	NL	34	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Chrysene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Dibenz-a,h-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Fluoranthene	NL	3,200	NL	NL	630	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Fluorene	NL	3,200	NL	NL	100	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Indeno-1,2,3-cd-pyrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Methylnaphthalene, 1-	NL	5600	34	NL	0.082	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Methylnaphthalene, 2-	NL	320	NL	NL	1.7	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Phenanthrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Pyrene	NL	2,400	NL	NL	650	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
PCBs (Method 8082)														
Aroclor 1016	NL	5.6	14.00	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1221	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1232	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1242	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1248	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1254	NL	1.6	0.50	NL	0.71	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT
Aroclor 1260	NL	NL	0.50	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT

Notes:

16.60	Concentrations in blue indicate levels above method detection limits yet below Washington Department of Ecology (Ecology) screening level(s)
NL	No Limit Established
mg/kg	Milligrams per kilogram (parts per million)
T8	Sample analyzed outside of hold time
J	Analyte is an estimated value between the Reporting Limit (RL) and Method Detection Limit (MDL) (for organics
*	Result Exceeds the Washington Department of Ecology Method B Direct Contact cancer assessment level. This screening level is used upon demonstration that Site groundwater is not impacted.
	Result Exceeds the Washington Department of Ecology Priority Contaminants of Concern for Sites that Qualify for the Simplified Terrestrial Ecological Evaluation Procedure as defined within Table 749-2 of the Model Toxics Control Act [MTCA] Regulation and Statute.
	Result Exceeds the Washington Department of Ecology Method A Direct Contact and/or soil leaching assessment level
	Result Exceeds the Washington Department of Ecology Soil Protective of Groundwater Vadose at 13 Deg assessment level.

Table # 2A
SOIL ANALYTICAL RESULTS - SPLIT SAMPLING EVENT
Future Federal Way Hospital
Federal Way, WA
TGE Project No.: R13411.06

Station Name	Method A Unrestricted Land Use	Method B Non-cancer	Simplified Terrestrial Eco Evaluation Unrestricted	Reporting Units	B1	B1-4		B1	B1-9	B2	B2-4	B2-4 DUP	B2	B2-8	B3		B3-5
Laboratory Identification					L1017897-01			L1017897-02		L1017897-03		L1017897-04		L1017897-05	L1025391-01		
Sample Date					8/14/2018	8/14/2018		8/14/2018	8/14/2018	8/14/2018	8/14/2018	8/14/2018	8/14/2018	8/14/2018		8/14/2018	
Sample Depth					4 ft	4 ft		9 ft	9 ft	4 ft	4 ft	4 ft	8 ft	8 ft	4 ft		4 ft
Consultant					TGE	EAI		TGE	EAI	TGE	EAI		TGE	EAI	TGE		EAI
Hydrocarbon																	
TPH GRO, benzene present	30	NL	200	mg/kg	<0.976	<10	NT	<0.884	<10	<0.933	<10	NT	<0.888	<10	<0.913	NT	<10
Gasoline range organics (Benzene NonDetect)	100	NL	200	mg/kg	<0.976	<10	NT	<0.884	<10	<0.933	<10	NT	<0.888	<10	<0.913	NT	<10
TPH, diesel range organics	2000	NL	460	mg/kg	<1.38	<50	NT	<1.39	<50	<1.41	<50	NT	<1.39	<50	79	NT	<50
TPH, heavy oils	2000	NL	NL	mg/kg	<3.46	<100	NT	<3.47	<100	<3.52	<100	NT	<3.49	<100	127	NT	<100
Metals																	
Arsenic	20	24	NL	mg/kg	3.37	<5	NT	3.56	<5	3.13	<5	<5	2.87	<5	81.7	6.58	5.8
Barium	NL	16000	1320	mg/kg	76.4	51	NT	85.7	50	69.9	55	72	52.3	<50	62.9	NT	50
Cadmium	2	80	NL	mg/kg	0.0811 J	<1	NT	<0.073	<1	<0.0741	<1	<1	<0.0733	<1	0.1990 J	NT	<1
Lead	250	NL	220	mg/kg	2.35	<5	NT	2.16	<5	2.06	<5	<5	1.56	<5	27.2	NT	16
Mercury	2	NL	NL	mg/kg	0.00633 J	<0.5	NT	0.00554 J	<0.5	0.01530 J	<0.5	<0.5	0.00950 J	<0.5	0.02140 J	NT	<0.5
Selenium	NL	400	0.8	mg/kg	<0.768	<20	NT	<0.772	<20	<0.783	<20	<20	<0.775	<20	<0.797	NT	<20
Silver	NL	400	NL	mg/kg	<0.291	<20	NT	<0.292	<20	<0.296	<20	<20	<0.293	<20	<0.302	NT	<20
Total Chromium	NL	NL	42	mg/kg	22.4	57		31	14	27.9	21	26	31.7	21	25.2	NT	24
Trivalent Chromium (Cr ⁺³)	2000	120000	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexavalent Chromium (Cr ⁺⁶)	19	240	NL	mg/kg	NT	NT	<0.1	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Other																	
% Moisture	NL	NL	NL	%	96.3	95		95.9	94	94.5	93	NT	95.5	95	92.8		93

Table # 2A
SOIL ANALYTICAL RESULTS - SPLIT SAMPLING EVENT
Future Federal Way Hospital
Federal Way, WA
TGE Project No.: R13411.06

Station Name	Method A Unrestricted Land Use	Method B Non-cancer	Simplified Terrestrial Eco Evaluation Unrestricted	Reporting Units	B3	B3-10	B4	B4-3	B4		B4-6	B5		B5-4	B5	B5-9
Laboratory Identification					L1017897-06	8/14/2018	L1017897-07	8/14/2018	L1017897-08	L1025391-02		L1017897-09	8/14/2018	8/14/2018	L1017897-10	8/14/2018
Sample Date					8/14/2018	8/14/2018	8/14/2018	8/14/2018	8/14/2018		8/14/2018	8/14/2018	8/14/2018	8/14/2018	8/14/2018	8/14/2018
Sample Depth					10 ft	10 ft	3 ft	3 ft	6 ft		6 ft	4 ft	4 ft	9 ft	9 ft	
Consultant					TGE	EAI	TGE	EAI	TGE		EAI	TGE	EAI	TGE	EAI	
Hydrocarbon																
TPH GRO, benzene present	30	NL	200	mg/kg	<0.944	<10	<0.899	<10	<0.882	NT	<10	NT	<0.892	<10	<1.04	<10
Gasoline range organics (Benzene NonDetect)	100	NL	200	mg/kg	<0.944	<10	<0.899	<10	<0.882	NT	<10	NT	<0.892	<10	<1.04	<10
TPH, diesel range organics	2000	NL	460	mg/kg	<1.38	<50	<1.41	<50	6.89	NT	<50	NT	<1.4	<50	<1.64	<50
TPH, heavy oils	2000	NL	NL	mg/kg	<3.47	<100	<3.53	<100	10.7	NT	<100	NT	<3.51	<100	<4.1	<100
Metals																
Arsenic	20	24	NL	mg/kg	2.68	<5	3.4	<5	7.93	NT	<5	NT	2.51	<5	3.3	<5
Barium	NL	16000	1320	mg/kg	52.3	<50	96.4	<50	83.9	NT	57	NT	63.9	<50	184	<50
Cadmium	2	80	NL	mg/kg	<0.0729	<1	<0.0743	<1	<0.0729	NT	<1	NT	<0.0737	<1	0.0950 J	<1
Lead	250	NL	220	mg/kg	1.8	<5	2.13	<5	6.73	NT	<5	NT	1.9	<5	2.7	<5
Mercury	2	NL	NL	mg/kg	0.00690 J	<0.5	0.01170 J	<0.5	0.00538 J	NT	<0.5	NT	0.01070 J	<0.5	0.00966 J	<0.5
Selenium	NL	400	0.8	mg/kg	<0.77	<20	<0.785	<20	<0.77	NT	<20	NT	<0.779	<20	<0.911	<20
Silver	NL	400	NL	mg/kg	<0.292	<20	<0.297	<20	<0.292	NT	<20	NT	<0.295	<20	<0.345	<20
Total Chromium	NL	NL	42	mg/kg	16.3	15	36.6	19	44.8		34		23.8	32	21.5	20
Trivalent Chromium (Cr ⁺³)	2000	120000	NL	mg/kg	NT	NT	NT	NT	NT	43.9	NT	NT	NT	NT	NT	NT
Hexavalent Chromium (Cr ⁺⁶)	19	240	NL	mg/kg	NT	NT	NT	NT	NT	0.916 J	NT	<0.1	NT	NT	NT	NT
Other																
% Moisture	NL	NL	NL	%	96	96	94.3	94	96.1		93		95	94	81.3	91

Table # 2A
SOIL ANALYTICAL RESULTS - SPLIT SAMPLING EVENT
Future Federal Way Hospital
Federal Way, WA
TGE Project No.: R13411.06

Station Name	Method A Unrestricted Land Use	Method B Non-cancer	Simplified Terrestrial Eco Evaluation Unrestricted	Reporting Units	B6	B6-3	B6		B6-6		B7	B7-4	B7	B7-9	B8	B8-4
Laboratory Identification					L1017897-11		L1017897-12	I1025391-03			L1017897-13		L1017897-14		L1017897-15	
Sample Date					8/14/2018	8/14/2018	8/14/2018		8/14/2018	8/14/2018	8/14/2018	8/14/2018	8/14/2018	8/14/2018		
Sample Depth					3 ft	3 ft	6 ft		6 ft	4 ft	4 ft	9 ft	9 ft	4 ft	4 ft	
Consultant					TGE	EAI	TGE		EAI	TGE	EAI	TGE	EAI	TGE	EAI	
Hydrocarbon																
TPH GRO, benzene present	30	NL	200	mg/kg	<0.887	<10	<1.02	NT	<10	NT	<1.03	<10	<0.896	<10	<0.925	<10
Gasoline range organics (Benzene NonDetect)	100	NL	200	mg/kg	<0.887	<10	<1.02	NT	<10	NT	<1.03	<10	<0.896	<10	<0.925	<10
TPH, diesel range organics	2000	NL	460	mg/kg	<1.39	<50	6.13	NT	<50	NT	<1.42	<50	<1.41	<50	2.23 J	<50
TPH, heavy oils	2000	NL	NL	mg/kg	<3.48	<100	14.7	NT	<100	NT	<3.55	<100	<3.52	<100	12.8	<100
Metals																
Arsenic	20	24	NL	mg/kg	3.21	<5	6.76	NT	<5	NT	2.73	<5	2.010 J	<5	2.05 J	<5
Barium	NL	16000	1320	mg/kg	41.7	<50	91	NT	63	NT	70.7	<50	59.1	54	44.5	56
Cadmium	2	80	NL	mg/kg	<0.0733	<1	<0.0733	NT	<1	NT	<0.0745	<1	<0.074	<1	0.0822 J	<1
Lead	250	NL	220	mg/kg	1.9	<5	3.28	NT	<5	NT	1.66	<5	1.57	<5	4.95	72
Mercury	2	NL	NL	mg/kg	0.01100 J	<0.5	0.00800 J	NT	<0.5	NT	0.0279	<0.5	0.00890 J	<0.5	0.00838 J	<0.5
Selenium	NL	400	0.8	mg/kg	<0.774	<20	<0.774	NT	<20	NT	<0.788	<20	<0.783	<20	<0.808	<20
Silver	NL	400	NL	mg/kg	<0.293	<20	<0.293	NT	<20	NT	<0.298	<20	<0.296	<20	<0.306	<20
Total Chromium	NL	NL	42	mg/kg	18.2	20	42.4		36		26.2	32	25.5	20	26.5	41
Trivalent Chromium (Cr ⁺³)	2000	120000	NL	mg/kg	NT	NT	NT	41.7	NT	NT	NT	NT	NT	NT	NT	NT
Hexavalent Chromium (Cr ⁺⁶)	19	240	NL	mg/kg	NT	NT	NT	0.670 J	NT	<0.1	NT	NT	NT	NT	NT	NT
Other																
% Moisture	NL	NL	NL	%	95.6	93	95.6		93		93.9	93	94.5	93	91.6	90

Table # 2A
SOIL ANALYTICAL RESULTS - SPLIT SAMPLING EVENT
Future Federal Way Hospital
Federal Way, WA
TGE Project No.: R13411.06

Station Name	Method A Unrestricted Land Use	Method B Non-cancer	Simplified Terrestrial Eco Evaluation Unrestricted	Reporting Units	B8	B8-7	B8-7 DUP	B9	B9-4	B9-4 DUP	B9	B9-10	B10	B10-3	B10	B10-10
Laboratory Identification					L1017897-16			L1018176-01			L1018176-02		L1018176-03		L1018176-04	
Sample Date					8/14/2018	8/14/2018	8/14/2018	8/15/2018	8/15/2018	8/15/2018	8/15/2018	8/15/2018	8/15/2018	8/15/2018	8/15/2018	8/15/2018
Sample Depth					7 ft	7 ft	7 ft	4 ft	4 ft	4 ft	10 ft	10 ft	3 ft	3 ft	10 ft	10 ft
Consultant					TGE	EAI		TGE	EAI		TGE	EAI	TGE	EAI	TGE	EAI
Hydrocarbon																
TPH GRO, benzene present	30	NL	200	mg/kg	<0.903	<10	NT	<0.879	<10	NT	<0.939	<10	<1.6	<10	<0.888	<10
Gasoline range organics (Benzene NonDetect)	100	NL	200	mg/kg	<0.903	<10	NT	<0.879	<10	NT	<0.939	<10	<1.6	<10	<0.888	<10
TPH, diesel range organics	2000	NL	460	mg/kg	<1.42	<50	NT	<1.38	<50	NT	<1.47	<50	<1.51	<50	<1.39	<50
TPH, heavy oils	2000	NL	NL	mg/kg	<3.55	<100	NT	<3.45	<100	NT	16.4	<100	<3.77	<100	<3.49	<100
Metals																
Arsenic	20	24	NL	mg/kg	2.26	<5	<5	2.25	<5	<5	2.15 J	<5	3.2	<5	2.040 J	<5
Barium	NL	16000	1320	mg/kg	64.7	66	51	53	100	87	45.8	66	68.9	94	38.8	59
Cadmium	2	80	NL	mg/kg	<0.0746	<1	<1	<0.0726	<1	<1	<0.0776	<1	<0.0794	<1	<0.0734	<1
Lead	250	NL	220	mg/kg	2.37	<5	<5	1.54	<5	<5	2.05	<5	3.43	<5	1.67	<5
Mercury	2	NL	NL	mg/kg	0.00635 J	<0.5	<0.5	0.0141 J	<0.5	<0.5	0.0111 J	<0.5	0.01110 J	<0.5	0.0234	<0.5
Selenium	NL	400	0.8	mg/kg	<0.788	<20	<20	<0.768	<20	<20	<0.82	<20	<0.839	<20	<0.776	<20
Silver	NL	400	NL	mg/kg	<0.298	<20	<20	<0.29	<20	<20	<0.31	<20	<0.317	<20	<0.293	<20
Total Chromium	NL	NL	42	mg/kg	20.1	16	21	12.7	53	51	14.8	44	33.7	46	18.2	37
Trivalent Chromium (Cr ⁺³)	2000	120000	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Hexavalent Chromium (Cr ⁺⁶)	19	240	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT	NT
Other																
% Moisture	NL	NL	NL	%	93.9	96	NT	96.4	94	NT	90.2	89	88.2	95	95.4	94

Notes:

16.60	Concentrations in blue indicate levels above method detection limits yet below Washington Department of Ecology (Ecology) screening level(s)
NL	No Limit Established
mg/kg	Milligrams per kilogram (parts per million)
J	Analyte is an estimated value between the Reporting Limit (RL) and Method Detection Limit (MDL) (for organics)
*	Result Exceeds the Washington Department of Ecology Method B Direct Contact cancer assessment level. This screening level is used upon demonstration that Site groundwater is not impacted.
100.00	Result Exceeds the Washington Department of Ecology Priority Contaminants of Concern for Sites that Qualify for the Simplified Terrestrial Ecological Evaluation Procedure as defined within Table 749-2 of the Model Toxics Control Act [MTCA] Regulation and Statute.
100.00	Result Exceeds the Washington Department of Ecology Method A Unrestricted Land Use assessment level

Table # 2B
SOIL ANALYTICAL RESULTS - SPLIT SAMPLING EVENT
Former Payless Auto Mart
Federal Way, WA
TGE Project No.: R13411.07

Station Name	Method A Unrestricted Land Use	Method B Cancer Direct Contact	Simplified Terrestrial Eco Evaluation Unrestricted	Reporting Units	B1	B1-4	B1	B1-9	B2	B2-4	B2	B2-8
Laboratory Identification					L1017897-01		L1017897-02		L1017897-03		L1017897-04	
Sample Date					8/14/2018	8/14/2018	8/14/2018	8/14/2018	8/14/2018	8/14/2018	8/14/2018	
Sample Depth					4 ft	4 ft	9 ft	9 ft	4 ft	4 ft	8 ft	8 ft
Consultant					TGE	EAI	TGE	EAI	TGE	EAI	TGE	EAI
VOAs												
Acetone	NL	NL	NL	mg/kg	<0.0158	<0.25	<0.0143	<0.25	<0.0151	<0.25	<0.0143	<0.25
Acrylonitrile	NL	1.852	NL	mg/kg	<0.00219	NT	<0.00198	NT	<0.00209	NT	<0.00199	NT
Benzene	0.03	18.182	NL	mg/kg	<0.000461	<0.02	<0.000417	<0.02	<0.00044	<0.02	<0.000419	<0.02
Bromobenzene	NL	NL	NL	mg/kg	<0.00121	<0.05	<0.00109	<0.05	<0.00116	<0.05	<0.0011	<0.05
Bromodichloromethane	NL	16.129	NL	mg/kg	<0.000908	<0.05	<0.000822	<0.05	<0.000867	<0.05	<0.000825	<0.05
Bromoform	NL	126.582	NL	mg/kg	<0.00689	<0.05	<0.00624	<0.05	<0.00658	<0.05	<0.00626	<0.05
Bromomethane	NL	NL	NL	mg/kg	<0.00426	<0.05	<0.00386	<0.05	<0.00407	<0.05	<0.00388	<0.05
Butylbenzene, n-	NL	NL	NL	mg/kg	<0.00442	<0.05	<0.004	<0.05	<0.00423	<0.05	<0.00402	<0.05
Butylbenzene, sec-	NL	NL	NL	mg/kg	<0.00291	<0.05	<0.00264	<0.05	<0.00278	<0.05	<0.00265	<0.05
Butylbenzene, tert-	NL	NL	NL	mg/kg	<0.00179	<0.05	<0.00162	<0.05	<0.00171	<0.05	<0.00162	<0.05
Carbon tetrachloride	NL	14.286	NL	mg/kg	<0.00124	<0.05	<0.00113	<0.05	<0.00119	<0.05	<0.00113	<0.05
Chlorobenzene	NL	NL	NL	mg/kg	<0.00066	<0.05	<0.000598	<0.05	<0.000631	<0.05	<0.0006	<0.05
Chloroethane	NL	NL	NL	mg/kg	<0.00124	<0.05	<0.00113	<0.05	<0.00119	<0.05	<0.00113	<0.05
Chloroform	NL	32.258	NL	mg/kg	<0.000478	<0.05	<0.000433	<0.05	<0.000457	<0.05	<0.000435	<0.05
Chloromethane	NL	NL	NL	mg/kg	<0.0016	<0.05	<0.00145	<0.05	<0.00153	<0.05	<0.00146	<0.05
Chlorotoluene, o-	NL	NL	NL	mg/kg	<0.00106	NT	<0.000959	NT	<0.00101	NT	<0.000964	NT
Chlorotoluene, p-	NL	NL	NL	mg/kg	<0.0013	NT	<0.00118	NT	<0.00124	NT	<0.00118	NT
Cumene (Isopropylbenzene)	NL	NL	NL	mg/kg	<0.000994	<0.05	<0.0009	<0.05	<0.00095	<0.05	<0.000904	<0.05
Cymene (Isopropyltoluene)	NL	NL	NL	mg/kg	<0.00268	<0.05	<0.00243	<0.05	<0.00256	<0.05	<0.00244	<0.05
Dibromo-3-chloropropane, 1,2-	NL	1.25	NL	mg/kg	<0.00588	<0.05	<0.00532	<0.05	<0.00561	<0.05	<0.00534	<0.05
Dibromochloromethane	NL	11.905	NL	mg/kg	<0.000518	<0.05	<0.000469	<0.05	<0.000495	<0.05	<0.000471	<0.05
Dichlorobenzene, 1,2-	NL	NL	NL	mg/kg	<0.00167	<0.05	<0.00151	<0.05	<0.0016	<0.05	<0.00152	<0.05
Dichlorobenzene, 1,3-	NL	NL	NL	mg/kg	<0.00196	<0.05	<0.00177	<0.05	<0.00187	<0.05	<0.00178	<0.05
Dichlorobenzene, 1,4-	NL	185.185	NL	mg/kg	<0.00227	<0.05	<0.00205	<0.05	<0.00217	<0.05	<0.00206	<0.05
Dichlorodifluoromethane	NL	NL	NL	mg/kg	<0.000942	<0.05	<0.000853	<0.05	<0.0009	<0.05	<0.000857	<0.05
Dichloroethane, 1,1-	NL	175.439	NL	mg/kg	<0.000662	<0.05	<0.0006	<0.05	<0.000633	<0.05	<0.000602	<0.05
Dichloroethane, 1,2-	NL	10.989	NL	mg/kg	<0.000547	<0.05	<0.000495	<0.05	<0.000523	<0.05	<0.000497	<0.05
Dichloroethylene, 1,1-	NL	NL	NL	mg/kg	<0.000576	<0.05	<0.000521	<0.05	<0.00055	<0.05	<0.000524	<0.05
Dichloroethylene, cis-1,2-	NL	NL	NL	mg/kg	<0.000795	<0.05	<0.00072	<0.05	<0.000759	<0.05	<0.000723	<0.05
Dichloroethylene, trans-1,2	NL	NL	NL	mg/kg	<0.00165	<0.05	<0.00149	<0.05	<0.00157	<0.05	<0.0015	<0.05
Dichloropropane, 1,2-	NL	27.778	NL	mg/kg	<0.00146	<0.05	<0.00132	<0.05	<0.0014	<0.05	<0.00133	<0.05
Dichloropropane, 1,3-	NL	NL	NL	mg/kg	<0.00202	<0.05	<0.00182	<0.05	<0.00193	<0.05	<0.00183	<0.05
Dichloropropane, 2,2-	NL	NL	NL	mg/kg	<0.000914	<0.05	<0.000827	<0.05	<0.000873	<0.05	<0.000831	<0.05
Dichloropropene, 1,1-	NL	NL	NL	mg/kg	<0.000806	<0.05	<0.00073	<0.05	<0.00077	<0.05	<0.000733	<0.05
Dichloropropene, cis 1,3-	NL	NL	NL	mg/kg	<0.000781	<0.05	<0.000707	<0.05	<0.000746	<0.05	<0.00071	<0.05
Dichloropropene, trans 1,3-	NL	NL	NL	mg/kg	<0.00176	<0.05	<0.0016	<0.05	<0.00168	<0.05	<0.0016	<0.05
Diisopropyl ether	NL	NL	NL	mg/kg	<0.000403	NT	<0.000365	NT	<0.000385	NT	<0.000367	NT
Ethyl benzene	6	NL	NL	mg/kg	<0.000611	<0.05	<0.000553	<0.05	0.000654 J	<0.05	<0.000555	<0.05
Ethylene dibromide (EDB)	0.005	0.5	NL	mg/kg	<0.000605	<0.05	<0.000547	<0.05	<0.000578	<0.05	<0.00055	<0.05
Hexachlorobutadiene	NL	12.82	NL	mg/kg	<0.0146	<0.05	<0.0132	<0.05	<0.014	<0.05	<0.0133	<0.05
Methyl ethyl ketone	NL	NL	NL	mg/kg	<0.0144	<0.25	<0.013	<0.25	<0.0138	<0.25	<0.0131	<0.25
Methyl isobutyl ketone	NL	NL	NL	mg/kg	<0.0115	NT	<0.0104	NT	<0.011	NT	<0.0105	NT
Methylene bromide	NL	NL	NL	mg/kg	<0.00115	NT	<0.00104	NT	<0.0011	NT	<0.00105	NT
Methylene chloride	0.02	500	NL	mg/kg	<0.00765	<0.05	<0.00692	<0.05	<0.00731	<0.05	<0.00695	<0.05
MTBE	0.1	555.56	NL	mg/kg	<0.00034	<0.05	<0.000308	<0.05	<0.000325	<0.05	<0.000309	<0.05
Naphthalene	5	NL	NL	mg/kg	<0.00359	<0.05	<0.00325	<0.05	<0.00343	<0.05	<0.00327	<0.05
Propylbenzene, n-	NL	NL	NL	mg/kg	<0.00136	<0.05	<0.00123	<0.05	<0.0013	<0.05	<0.00124	<0.05
Styrene	NL	NL	NL	mg/kg	<0.00315	<0.05	<0.00285	<0.05	<0.003	<0.05	<0.00286	<0.05
Tetrachloroethane, 1,1,1,2-	NL	38.46	NL	mg/kg	<0.000576	<0.05	<0.000521	<0.05	<0.00055	<0.05	<0.000524	<0.05
Tetrachloroethane, 1,1,2,2-	NL	5	NL	mg/kg	<0.000449	<0.05	<0.000407	<0.05	<0.000429	<0.05	<0.000408	<0.05
Tetrachloroethylene	0.05	476.19	NL	mg/kg	<0.000806	<0.02	<0.00073	<0.02	<0.00077	<0.02	<0.000733	<0.02
Toluene	7	NL	NL	mg/kg	0.00465 J	<0.05	0.0020 J	<0.05	0.00497 J	<0.05	0.00459 J	<0.05
Trichloro-1,2,2-trifluoroethane, 1,1,2	NL	NL	NL	mg/kg	<0.000778	NT	<0.000704	NT	<0.000743	NT	<0.000707	NT
Trichlorobenzene, 1,2,3-	NL	NL	NL	mg/kg	<0.00072	<0.05	<0.000652	<0.05	<0.000688	<0.05	<0.000655	<0.05
Trichlorobenzene, 1,2,4-	NL	34.48	NL	mg/kg	<0.00555	<0.05	<0.00503	<0.05	<0.00531	<0.05	<0.00505	<0.05
Trichloroethane, 1,1,1-	2	NL	NL	mg/kg	<0.000317	<0.05	<0.000287	<0.05	<0.000303	<0.05	<0.000288	<0.05
Trichloroethane, 1,1,2-	NL	17.54	NL	mg/kg	<0.00102	<0.05	<0.000921	<0.05	<0.000972	<0.05	<0.000925	<0.05
Trichloroethylene	0.03	12	NL	mg/kg	<0.000461	<0.02	<0.000417	<0.02	<0.00044	<0.02	<0.000419	<0.02
Trichlorofluoromethane	NL	NL	NL	mg/kg	<0.000576	<0.05	<0.000521	<0.05	<0.00055	<0.05	<0.000524	<0.05
Trichloropropane, 1,2,3-	NL	0.033	NL	mg/kg	<0.00588	<0.05	<0.00532	<0.05	<0.00561	<0.05	<0.00534	<0.05
Trimethylbenzene, 1,2,3-	NL	NL	NL	mg/kg	<0.00132	NT	<0.0012	NT	<0.00127	NT	<0.0012	NT
Trimethylbenzene, 1,2,4-	NL	NL	NL	mg/kg	<0.00134	<0.05	<0.00121	<0.05	0.00135 J	<0.05	<0.00121	<0.05
Trimethylbenzene, 1,3,5-	NL	NL	NL	mg/kg	<0.00124	<0.05	<0.00113	<0.05	<0.00119	<0.05	<0.00113	<0.05
</												

Table # 2B
SOIL ANALYTICAL RESULTS - SPLIT SAMPLING EVENT
Former Payless Auto Mart
Federal Way, WA
TGE Project No.: R13411.07

Station Name	Method A Unrestricted Land Use	Method B Cancer Direct Contact	Simplified Terrestrial Eco Evaluation Unrestricted	Reporting Units	B3	B3-5	B3	B3-10	B4	B4-3	B4	B4-6
Laboratory Identification					L1017897-05		L1017897-06		L1017897-07		L1017897-08	
Sample Date					8/14/2018	8/14/2018	8/14/2018	8/14/2018	8/14/2018	8/14/2018	8/14/2018	
Sample Depth					4 ft	4 ft	10 ft	10 ft	3 ft	3 ft	6 ft	6 ft
Consultant					TGE	EAI	TGE	EAI	TGE	EAI	TGE	EAI
VOAs												
Acetone	NL	NL	NL	mg/kg	<0.0148	<0.25	<0.0153	<0.25	<0.0145	<0.25	<0.0143	<0.25
Acrylonitrile	NL	1.852	NL	mg/kg	<0.00205	NT	<0.00212	NT	<0.00202	NT	<0.00198	NT
Benzene	0.03	18.182	NL	mg/kg	<0.000431	<0.02	0.000521 J	<0.02	<0.000424	<0.02	<0.000416	<0.02
Bromobenzene	NL	NL	NL	mg/kg	<0.00113	<0.05	<0.00117	<0.05	<0.00111	<0.05	<0.00109	<0.05
Bromodichloromethane	NL	16.129	NL	mg/kg	<0.000849	<0.05	<0.000878	<0.05	<0.000836	<0.05	<0.00082	<0.05
Bromoform	NL	126.582	NL	mg/kg	<0.00644	<0.05	<0.00666	<0.05	<0.00634	<0.05	<0.00623	<0.05
Bromomethane	NL	NL	NL	mg/kg	<0.00399	<0.05	<0.00412	<0.05	<0.00393	<0.05	<0.00385	<0.05
Butylbenzene, n-	NL	NL	NL	mg/kg	<0.00414	<0.05	<0.00428	<0.05	<0.00407	<0.05	<0.004	<0.05
Butylbenzene, sec-	NL	NL	NL	mg/kg	<0.00273	<0.05	<0.00282	<0.05	<0.00268	<0.05	<0.00263	<0.05
Butylbenzene, tert-	NL	NL	NL	mg/kg	<0.00167	<0.05	<0.00173	<0.05	<0.00164	<0.05	<0.00161	<0.05
Carbon tetrachloride	NL	14.286	NL	mg/kg	<0.00116	<0.05	<0.0012	<0.05	<0.00115	<0.05	<0.00112	<0.05
Chlorobenzene	NL	NL	NL	mg/kg	<0.000617	<0.05	<0.000638	<0.05	<0.000608	<0.05	<0.000597	<0.05
Chloroethane	NL	NL	NL	mg/kg	<0.00116	<0.05	<0.0012	<0.05	<0.00115	<0.05	<0.00112	<0.05
Chloroform	NL	32.258	NL	mg/kg	<0.000447	<0.05	<0.000462	<0.05	<0.00044	<0.05	<0.000432	<0.05
Chloromethane	NL	NL	NL	mg/kg	<0.0015	<0.05	<0.00155	<0.05	<0.00147	<0.05	<0.00145	<0.05
Chlorotoluene, o-	NL	NL	NL	mg/kg	<0.000991	NT	<0.00102	NT	<0.000976	NT	<0.000958	NT
Chlorotoluene, p-	NL	NL	NL	mg/kg	<0.00122	NT	<0.00126	NT	<0.0012	NT	<0.00118	NT
Cumene (Isopropylbenzene)	NL	NL	NL	mg/kg	<0.00093	<0.05	<0.000961	<0.05	<0.000916	<0.05	<0.000898	<0.05
Cymene (Isopropyltoluene)	NL	NL	NL	mg/kg	<0.00251	<0.05	<0.0026	<0.05	<0.00247	<0.05	<0.00243	<0.05
Dibromo-3-chloropropane, 1,2-	NL	1.25	NL	mg/kg	<0.00549	<0.05	<0.00568	<0.05	<0.00541	<0.05	<0.00531	<0.05
Dibromochloromethane	NL	11.905	NL	mg/kg	<0.000485	<0.05	<0.000501	<0.05	<0.000477	<0.05	<0.000468	<0.05
Dichlorobenzene, 1,2-	NL	NL	NL	mg/kg	<0.00156	<0.05	<0.00162	<0.05	<0.00154	<0.05	<0.00151	<0.05
Dichlorobenzene, 1,3-	NL	NL	NL	mg/kg	<0.00183	<0.05	<0.00189	<0.05	<0.0018	<0.05	<0.00177	<0.05
Dichlorobenzene, 1,4-	NL	185.185	NL	mg/kg	<0.00212	<0.05	<0.00219	<0.05	<0.00209	<0.05	<0.00205	<0.05
Dichlorodifluoromethane	NL	NL	NL	mg/kg	<0.000881	<0.05	<0.000911	<0.05	<0.000868	<0.05	<0.000852	<0.05
Dichloroethane, 1,1-	NL	175.439	NL	mg/kg	<0.000619	<0.05	<0.000641	<0.05	<0.00061	<0.05	<0.000599	<0.05
Dichloroethane, 1,2-	NL	10.989	NL	mg/kg	<0.000512	<0.05	<0.000529	<0.05	<0.000504	<0.05	<0.000495	<0.05
Dichloroethylene, 1,1-	NL	NL	NL	mg/kg	<0.000539	<0.05	<0.000557	<0.05	<0.00053	<0.05	<0.000521	<0.05
Dichloroethylene, cis-1,2-	NL	NL	NL	mg/kg	<0.000743	<0.05	<0.000769	<0.05	<0.000732	<0.05	<0.000718	<0.05
Dichloroethylene, trans-1,2	NL	NL	NL	mg/kg	<0.00154	<0.05	<0.00159	<0.05	<0.00152	<0.05	<0.00149	<0.05
Dichloropropane, 1,2-	NL	27.778	NL	mg/kg	<0.00137	<0.05	<0.00141	<0.05	<0.00135	<0.05	<0.00132	<0.05
Dichloropropane, 1,3-	NL	NL	NL	mg/kg	<0.00188	<0.05	<0.00195	<0.05	<0.00186	<0.05	<0.00182	<0.05
Dichloropropane, 2,2-	NL	NL	NL	mg/kg	<0.000854	<0.05	<0.000883	<0.05	<0.000841	<0.05	<0.000826	<0.05
Dichloropropene, 1,1-	NL	NL	NL	mg/kg	<0.000754	<0.05	<0.00078	<0.05	<0.000743	<0.05	<0.000729	<0.05
Dichloropropene, cis 1,3-	NL	NL	NL	mg/kg	<0.00073	<0.05	<0.000755	<0.05	<0.000719	<0.05	<0.000706	<0.05
Dichloropropene, trans 1,3-	NL	NL	NL	mg/kg	<0.00165	<0.05	<0.0017	<0.05	<0.00162	<0.05	<0.00159	<0.05
Diisopropyl ether	NL	NL	NL	mg/kg	<0.000377	NT	<0.00039	NT	<0.000371	NT	<0.000364	NT
Ethyl benzene	6	NL	NL	mg/kg	0.000991 J	<0.05	<0.00059	<0.05	<0.000562	<0.05	0.001010 J	<0.05
Ethylene dibromide (EDB)	0.005	0.5	NL	mg/kg	<0.000565	<0.05	<0.000585	<0.05	<0.000557	<0.05	<0.000547	<0.05
Hexachlorobutadiene	NL	12.82	NL	mg/kg	<0.0137	<0.05	<0.0141	<0.05	<0.0135	<0.05	<0.0132	<0.05
Methyl ethyl ketone	NL	NL	NL	mg/kg	<0.0135	<0.25	<0.0139	<0.25	<0.0133	<0.25	0.031	<0.25
Methyl isobutyl ketone	NL	NL	NL	mg/kg	<0.0108	NT	<0.0111	NT	<0.0106	NT	<0.0104	NT
Methylene bromide	NL	NL	NL	mg/kg	<0.00108	NT	<0.00111	NT	<0.00106	NT	<0.00104	NT
Methylene chloride	0.02	500	NL	mg/kg	<0.00715	<0.05	<0.0074	<0.05	<0.00704	<0.05	<0.00691	<0.05
MTBE	0.1	555.56	NL	mg/kg	<0.000318	<0.05	<0.000329	<0.05	<0.000313	<0.05	<0.000307	<0.05
Naphthalene	5	NL	NL	mg/kg	0.00825 J	<0.05	<0.00348	<0.05	<0.00331	<0.05	<0.00325	<0.05
Propylbenzene, n-	NL	NL	NL	mg/kg	<0.00127	<0.05	<0.00131	<0.05	<0.00125	<0.05	<0.00123	<0.05
Styrene	NL	NL	NL	mg/kg	<0.00294	<0.05	<0.00304	<0.05	<0.0029	<0.05	<0.00284	<0.05
Tetrachloroethane, 1,1,1,2-	NL	38.46	NL	mg/kg	<0.000539	<0.05	<0.000557	<0.05	<0.00053	<0.05	<0.000521	<0.05
Tetrachloroethane, 1,1,2,2-	NL	5	NL	mg/kg	<0.00042	<0.05	<0.000434	<0.05	<0.000414	<0.05	<0.000406	<0.05
Tetrachloroethylene	0.05	476.19	NL	mg/kg	<0.000754	<0.02	0.00130 J	<0.02	0.001380 J	<0.02	0.00463	<0.02
Toluene	7	NL	NL	mg/kg	0.00236 J	<0.05	0.0114	<0.05	0.00638	<0.05	0.0067	<0.05
Trichloro-1,2,2-trifluoroethane, 1,1,2	NL	NL	NL	mg/kg	<0.000727	NT	<0.000752	NT	<0.000716	NT	<0.000703	NT
Trichlorobenzene, 1,2,3-	NL	NL	NL	mg/kg	<0.000673	<0.05	<0.000696	<0.05	<0.000663	<0.05	<0.000651	<0.05
Trichlorobenzene, 1,2,4-	NL	34.48	NL	mg/kg	<0.00519	<0.05	<0.00537	<0.05	<0.00511	<0.05	<0.00502	<0.05
Trichloroethane, 1,1,1-	2	NL	NL	mg/kg	<0.000296	<0.05	<0.000306	<0.05	<0.000292	<0.05	<0.000286	<0.05
Trichloroethane, 1,1,2-	NL	17.54	NL	mg/kg	<0.000951	<0.05	<0.000984	<0.05	<0.000937	<0.05	<0.000919	<0.05
Trichloroethylene	0.03	12	NL	mg/kg	<0.000431	<0.02	<0.000446	<0.02	<0.000424	<0.02	<0.000416	<0.02
Trichlorofluoromethane	NL	NL	NL	mg/kg	<0.000539	<0.05	<0.000557	<0.05	<0.00053	<0.05	<0.000521	<0.05
Trichloropropane, 1,2,3-	NL	0.033	NL	mg/kg	<0.00549	<0.05	<0.00568	<0.05	<0.00541	<0.05	<0.00531	<0.05
Trimethylbenzene, 1,2,3-	NL	NL	NL	mg/kg	0.00624	NT	<0.00128	NT	<0.00122	NT	0.0016 J	NT
Trimethylbenzene, 1,2,4-	NL	NL	NL	mg/kg	0.0153	<0.05	0.00145 J	<0.05	<0.00123	<0.05	0.00394 J	<0.05
Trimethylbenzene, 1,3,5-	NL	NL	NL	mg/kg	0.00591	<0.05	<0.0012	<0.05	<0.00115	<0.05	0.00181 J	<0.05
Vinyl chloride	NL											

Table # 2B
SOIL ANALYTICAL RESULTS - SPLIT SAMPLING EVENT
Former Payless Auto Mart
Federal Way, WA
TGE Project No.: R13411.07

Station Name	Method A Unrestricted Land Use	Method B Cancer Direct Contact	Simplified Terrestrial Eco Evaluation Unrestricted	Reporting Units	B5	B5-4	B5	B5-9	B6	B6-3	B6	B6-6
Laboratory Identification					L1017897-09		L1017897-10		L1017897-11		L1017897-12	
Sample Date					8/14/2018	8/14/2018	8/14/2018	8/14/2018	8/14/2018	8/14/2018	8/14/2018	
Sample Depth					4 ft	4 ft	9 ft	9 ft	3 ft	3 ft	6 ft	6 ft
Consultant					TGE	EAI	TGE	EAI	TGE	EAI	TGE	EAI
VOAs												
Acetone	NL	NL	NL	mg/kg	<0.0144	<0.25	<0.0169	<0.25	<0.0143	<0.25	<0.0166	<0.25
Acrylonitrile	NL	1.852	NL	mg/kg	<0.002	NT	<0.00234	NT	<0.00199	NT	<0.00231	NT
Benzene	0.03	18.182	NL	mg/kg	<0.000421	<0.02	<0.000492	<0.02	<0.000419	<0.02	<0.000486	<0.02
Bromobenzene	NL	NL	NL	mg/kg	<0.00111	<0.05	<0.00129	<0.05	<0.0011	<0.05	<0.00127	<0.05
Bromodichloromethane	NL	16.129	NL	mg/kg	<0.00083	<0.05	<0.00097	<0.05	<0.000825	<0.05	<0.000957	<0.05
Bromoform	NL	126.582	NL	mg/kg	<0.0063	<0.05	<0.00736	<0.05	<0.00626	<0.05	<0.00726	<0.05
Bromomethane	NL	NL	NL	mg/kg	<0.0039	<0.05	<0.00455	<0.05	<0.00387	<0.05	<0.00449	<0.05
Butylbenzene, n-	NL	NL	NL	mg/kg	<0.00404	<0.05	<0.00473	<0.05	<0.00402	<0.05	<0.00466	<0.05
Butylbenzene, sec-	NL	NL	NL	mg/kg	<0.00266	<0.05	<0.00311	<0.05	<0.00265	<0.05	<0.00307	<0.05
Butylbenzene, tert-	NL	NL	NL	mg/kg	<0.00163	<0.05	<0.00191	<0.05	<0.00162	<0.05	<0.00188	<0.05
Carbon tetrachloride	NL	14.286	NL	mg/kg	<0.00114	<0.05	<0.00133	<0.05	<0.00113	<0.05	<0.00131	<0.05
Chlorobenzene	NL	NL	NL	mg/kg	<0.000603	<0.05	<0.000705	<0.05	<0.0006	<0.05	<0.000696	<0.05
Chloroethane	NL	NL	NL	mg/kg	<0.00114	<0.05	<0.00133	<0.05	<0.00113	<0.05	<0.00131	<0.05
Chloroform	NL	32.258	NL	mg/kg	<0.000437	<0.05	<0.000511	<0.05	<0.000434	<0.05	<0.000504	<0.05
Chloromethane	NL	NL	NL	mg/kg	<0.00146	<0.05	<0.00171	<0.05	<0.00145	<0.05	<0.00169	<0.05
Chlorotoluene, o-	NL	NL	NL	mg/kg	<0.000969	NT	<0.00113	NT	<0.000963	NT	<0.00112	NT
Chlorotoluene, p-	NL	NL	NL	mg/kg	<0.00119	NT	<0.00139	NT	<0.00118	NT	<0.00137	NT
Cumene (Isopropylbenzene)	NL	NL	NL	mg/kg	<0.000909	<0.05	<0.00106	<0.05	<0.000903	<0.05	<0.00105	<0.05
Cymene (Isopropyltoluene)	NL	NL	NL	mg/kg	<0.00245	<0.05	<0.00287	<0.05	<0.00244	<0.05	<0.00283	<0.05
Dibromo-3-chloropropane, 1,2-	NL	1.25	NL	mg/kg	<0.00537	<0.05	<0.00628	<0.05	<0.00534	<0.05	<0.00619	<0.05
Dibromochloromethane	NL	11.905	NL	mg/kg	<0.000474	<0.05	<0.000554	<0.05	<0.000471	<0.05	<0.000546	<0.05
Dichlorobenzene, 1,2-	NL	NL	NL	mg/kg	<0.00153	<0.05	<0.00178	<0.05	<0.00152	<0.05	<0.00176	<0.05
Dichlorobenzene, 1,3-	NL	NL	NL	mg/kg	<0.00179	<0.05	<0.00209	<0.05	<0.00178	<0.05	<0.00206	<0.05
Dichlorobenzene, 1,4-	NL	185.185	NL	mg/kg	<0.00207	<0.05	<0.00242	<0.05	<0.00206	<0.05	<0.00239	<0.05
Dichlorodifluoromethane	NL	NL	NL	mg/kg	<0.000861	<0.05	<0.00101	<0.05	<0.000856	<0.05	<0.000993	<0.05
Dichloroethane, 1,1-	NL	175.439	NL	mg/kg	<0.000605	<0.05	<0.000708	<0.05	<0.000602	<0.05	<0.000698	<0.05
Dichloroethane, 1,2-	NL	10.989	NL	mg/kg	<0.0005	<0.05	<0.000585	<0.05	<0.000497	<0.05	<0.000577	<0.05
Dichloroethylene, 1,1-	NL	NL	NL	mg/kg	<0.000526	<0.05	<0.000615	<0.05	<0.000523	<0.05	<0.000607	<0.05
Dichloroethylene, cis-1,2-	NL	NL	NL	mg/kg	<0.000727	<0.05	<0.000849	<0.05	<0.000722	<0.05	<0.000838	<0.05
Dichloroethylene, trans-1,2	NL	NL	NL	mg/kg	<0.00151	<0.05	<0.00176	<0.05	<0.0015	<0.05	<0.00174	<0.05
Dichloropropane, 1,2-	NL	27.778	NL	mg/kg	<0.00134	<0.05	<0.00156	<0.05	<0.00133	<0.05	<0.00154	<0.05
Dichloropropane, 1,3-	NL	NL	NL	mg/kg	<0.00184	<0.05	<0.00215	<0.05	<0.00183	<0.05	<0.00212	<0.05
Dichloropropane, 2,2-	NL	NL	NL	mg/kg	<0.000835	<0.05	<0.000976	<0.05	<0.00083	<0.05	<0.000963	<0.05
Dichloropropene, 1,1-	NL	NL	NL	mg/kg	<0.000737	<0.05	<0.000861	<0.05	<0.000733	<0.05	<0.00085	<0.05
Dichloropropene, cis 1,3-	NL	NL	NL	mg/kg	<0.000714	<0.05	<0.000834	<0.05	<0.00071	<0.05	<0.000823	<0.05
Dichloropropene, trans 1,3-	NL	NL	NL	mg/kg	<0.00161	<0.05	<0.00188	<0.05	<0.0016	<0.05	<0.00186	<0.05
Diisopropyl ether	NL	NL	NL	mg/kg	<0.000369	NT	<0.000431	NT	<0.000366	NT	<0.000425	NT
Ethyl benzene	6	NL	NL	mg/kg	<0.000558	<0.05	<0.000652	<0.05	0.000801 J	<0.05	0.001320 J	<0.05
Ethylene dibromide (EDB)	0.005	0.5	NL	mg/kg	<0.000553	<0.05	<0.000646	<0.05	<0.000549	<0.05	<0.000637	<0.05
Hexachlorobutadiene	NL	12.82	NL	mg/kg	<0.0134	<0.05	<0.0156	<0.05	<0.0133	<0.05	<0.0154	<0.05
Methyl ethyl ketone	NL	NL	NL	mg/kg	<0.0132	<0.25	<0.0154	<0.25	<0.0131	<0.25	<0.0152	<0.25
Methyl isobutyl ketone	NL	NL	NL	mg/kg	<0.0105	NT	<0.0123	NT	<0.0105	NT	<0.0121	NT
Methylene bromide	NL	NL	NL	mg/kg	<0.00105	NT	<0.00123	NT	<0.00105	NT	<0.00121	NT
Methylene chloride	0.02	500	NL	mg/kg	<0.00699	<0.05	<0.00817	<0.05	<0.00695	<0.05	<0.00806	<0.05
MTBE	0.1	555.56	NL	mg/kg	<0.000311	<0.05	<0.000363	<0.05	<0.000309	<0.05	<0.000358	<0.05
Naphthalene	5	NL	NL	mg/kg	<0.00329	<0.05	<0.00384	<0.05	<0.00327	<0.05	<0.00379	<0.05
Propylbenzene, n-	NL	NL	NL	mg/kg	<0.00124	<0.05	<0.00145	<0.05	<0.00123	<0.05	<0.00143	<0.05
Styrene	NL	NL	NL	mg/kg	<0.00287	<0.05	<0.00336	<0.05	<0.00286	<0.05	<0.00331	<0.05
Tetrachloroethane, 1,1,1,2-	NL	38.46	NL	mg/kg	<0.000526	<0.05	<0.000615	<0.05	<0.000523	<0.05	<0.000607	<0.05
Tetrachloroethane, 1,1,2,2-	NL	5	NL	mg/kg	<0.000411	<0.05	<0.00048	<0.05	<0.000408	<0.05	<0.000473	<0.05
Tetrachloroethylene	0.05	476.19	NL	mg/kg	0.001330 J	<0.02	0.002920 J	<0.02	0.00267	<0.02	0.00190 J	<0.02
Toluene	7	NL	NL	mg/kg	0.00420 J	<0.05	0.00247 J	<0.05	0.00493 J	<0.05	0.00912	<0.05
Trichloro-1,2,2-trifluoroethane, 1,1,2	NL	NL	NL	mg/kg	<0.000711	NT	<0.000831	NT	<0.000706	NT	<0.000819	NT
Trichlorobenzene, 1,2,3-	NL	NL	NL	mg/kg	<0.000658	<0.05	<0.000769	<0.05	<0.000654	<0.05	<0.000759	<0.05
Trichlorobenzene, 1,2,4-	NL	34.48	NL	mg/kg	<0.00508	<0.05	<0.00593	<0.05	<0.00504	<0.05	<0.00585	<0.05
Trichloroethane, 1,1,1-	2	NL	NL	mg/kg	<0.00029	<0.05	<0.000338	<0.05	<0.000288	<0.05	<0.000334	<0.05
Trichloroethane, 1,1,2-	NL	17.54	NL	mg/kg	<0.00093	<0.05	<0.00109	<0.05	<0.000924	<0.05	<0.00107	<0.05
Trichloroethylene	0.03	12	NL	mg/kg	<0.000421	<0.02	<0.000492	<0.02	<0.000419	<0.02	<0.000486	<0.02
Trichlorofluoromethane	NL	NL	NL	mg/kg	<0.000526	<0.05	<0.000615	<0.05	<0.000523	<0.05	<0.000607	<0.05
Trichloropropane, 1,2,3-	NL	0.033	NL	mg/kg	<0.00537	<0.05	<0.00628	<0.05	<0.00534	<0.05	<0.00619	<0.05
Trimethylbenzene, 1,2,3-	NL	NL	NL	mg/kg	<0.00121	NT	<0.00142	NT	<0.0012	NT	<0.0014	NT
Trimethylbenzene, 1,2,4-	NL	NL	NL	mg/kg	0.00172 J	<0.05	<0.00143	<0.05	<0.00121	<0.05	<0.00141	<0.05
Trimethylbenzene, 1,3,5-	NL	NL	NL	mg/kg	<0.00114	<0.05	<0.00133	<0.05	<0.00113	<0.05	<0.00131	<

Table # 2B
SOIL ANALYTICAL RESULTS - SPLIT SAMPLING EVENT
Former Payless Auto Mart
Federal Way, WA
TGE Project No.: R13411.07

Station Name	Method A Unrestricted Land Use	Method B Cancer Direct Contact	Simplified Terrestrial Eco Evaluation Unrestricted	Reporting Units	B7	B7-4	B7	B7-9	B8	B8-4	B8	B8-7
Laboratory Identification					L1017897-13		L1017897-14		L1017897-15		L1017897-16	
Sample Date					8/14/2018	8/14/2018	8/14/2018	8/14/2018	8/14/2018	8/14/2018	8/14/2018	
Sample Depth					4 ft	4 ft	9 ft	9 ft	4 ft	4 ft	7 ft	7 ft
Consultant					TGE	EAI	TGE	EAI	TGE	EAI	TGE	EAI
VOAs												
Acetone	NL	NL	NL	mg/kg	<0.0166	<0.25	<0.0145	<0.25	<0.015	<0.25	<0.0146	<0.25
Acrylonitrile	NL	1.852	NL	mg/kg	<0.00231	NT	<0.00201	NT	<0.00207	NT	<0.00202	NT
Benzene	0.03	18.182	NL	mg/kg	<0.000485	<0.02	<0.000423	<0.02	<0.000437	<0.02	<0.000426	<0.02
Bromobenzene	NL	NL	NL	mg/kg	<0.00127	<0.05	<0.00111	<0.05	<0.00115	<0.05	<0.00112	<0.05
Bromodichloromethane	NL	16.129	NL	mg/kg	<0.000956	<0.05	<0.000833	<0.05	<0.00086	<0.05	<0.00084	<0.05
Bromoform	NL	126.582	NL	mg/kg	<0.00726	<0.05	<0.00632	<0.05	<0.00653	<0.05	<0.00637	<0.05
Bromomethane	NL	NL	NL	mg/kg	<0.00449	<0.05	<0.00391	<0.05	<0.00404	<0.05	<0.00394	<0.05
Butylbenzene, n-	NL	NL	NL	mg/kg	<0.00466	<0.05	<0.00406	<0.05	<0.00419	<0.05	<0.00409	<0.05
Butylbenzene, sec-	NL	NL	NL	mg/kg	<0.00307	<0.05	<0.00268	<0.05	<0.00276	<0.05	<0.0027	<0.05
Butylbenzene, tert-	NL	NL	NL	mg/kg	<0.00188	<0.05	<0.00164	<0.05	<0.00169	<0.05	<0.00165	<0.05
Carbon tetrachloride	NL	14.286	NL	mg/kg	<0.00131	<0.05	<0.00114	<0.05	<0.00118	<0.05	<0.00115	<0.05
Chlorobenzene	NL	NL	NL	mg/kg	<0.000695	<0.05	<0.000606	<0.05	<0.000626	<0.05	<0.000611	<0.05
Chloroethane	NL	NL	NL	mg/kg	<0.00131	<0.05	<0.00114	<0.05	<0.00118	<0.05	<0.00115	<0.05
Chloroform	NL	32.258	NL	mg/kg	<0.000504	<0.05	<0.000439	<0.05	<0.000453	<0.05	<0.000442	<0.05
Chloromethane	NL	NL	NL	mg/kg	<0.00169	<0.05	<0.00147	<0.05	<0.00152	<0.05	<0.00148	<0.05
Chlorotoluene, o-	NL	NL	NL	mg/kg	<0.00112	NT	<0.000973	NT	<0.001	NT	<0.00098	NT
Chlorotoluene, p-	NL	NL	NL	mg/kg	<0.00137	NT	<0.0012	NT	<0.00123	NT	<0.0012	NT
Cumene (Isopropylbenzene)	NL	NL	NL	mg/kg	<0.00105	<0.05	<0.000913	<0.05	<0.000942	<0.05	<0.00092	<0.05
Cymene (Isopropyltoluene)	NL	NL	NL	mg/kg	<0.00283	<0.05	<0.00246	<0.05	<0.00254	<0.05	<0.00248	<0.05
Dibromo-3-chloropropane, 1,2-	NL	1.25	NL	mg/kg	<0.00619	<0.05	<0.00539	<0.05	<0.00557	<0.05	<0.00543	<0.05
Dibromochloromethane	NL	11.905	NL	mg/kg	<0.000546	<0.05	<0.000476	<0.05	<0.000491	<0.05	<0.000479	<0.05
Dichlorobenzene, 1,2-	NL	NL	NL	mg/kg	<0.00176	<0.05	<0.00153	<0.05	<0.00158	<0.05	<0.00155	<0.05
Dichlorobenzene, 1,3-	NL	NL	NL	mg/kg	<0.00206	<0.05	<0.0018	<0.05	<0.00186	<0.05	<0.00181	<0.05
Dichlorobenzene, 1,4-	NL	185.185	NL	mg/kg	<0.00239	<0.05	<0.00208	<0.05	<0.00215	<0.05	<0.0021	<0.05
Dichlorodifluoromethane	NL	NL	NL	mg/kg	<0.000993	<0.05	<0.000865	<0.05	<0.000893	<0.05	<0.000872	<0.05
Dichloroethane, 1,1-	NL	175.439	NL	mg/kg	<0.000698	<0.05	<0.000608	<0.05	<0.000628	<0.05	<0.000613	<0.05
Dichloroethane, 1,2-	NL	10.989	NL	mg/kg	<0.000577	<0.05	<0.000502	<0.05	<0.000519	<0.05	<0.000506	<0.05
Dichloroethylene, 1,1-	NL	NL	NL	mg/kg	<0.000607	<0.05	<0.000529	<0.05	<0.000546	<0.05	<0.000533	<0.05
Dichloroethylene, cis-1,2-	NL	NL	NL	mg/kg	<0.000837	<0.05	<0.00073	<0.05	<0.000753	<0.05	<0.000735	<0.05
Dichloroethylene, trans-1,2	NL	NL	NL	mg/kg	<0.00174	<0.05	<0.00151	<0.05	<0.00156	<0.05	<0.00152	<0.05
Dichloropropane, 1,2-	NL	27.778	NL	mg/kg	<0.00154	<0.05	<0.00134	<0.05	<0.00139	<0.05	<0.00135	<0.05
Dichloropropane, 1,3-	NL	NL	NL	mg/kg	<0.00212	<0.05	<0.00185	<0.05	<0.00191	<0.05	<0.00186	<0.05
Dichloropropane, 2,2-	NL	NL	NL	mg/kg	<0.000962	<0.05	<0.000839	<0.05	<0.000866	<0.05	<0.000845	<0.05
Dichloropropene, 1,1-	NL	NL	NL	mg/kg	<0.00085	<0.05	<0.00074	<0.05	<0.000764	<0.05	<0.000746	<0.05
Dichloropropene, cis 1,3-	NL	NL	NL	mg/kg	<0.000823	<0.05	<0.000717	<0.05	<0.00074	<0.05	<0.000722	<0.05
Dichloropropene, trans 1,3-	NL	NL	NL	mg/kg	<0.00186	<0.05	<0.00162	<0.05	<0.00167	<0.05	<0.00163	<0.05
Diisopropyl ether	NL	NL	NL	mg/kg	<0.000425	NT	<0.00037	NT	<0.000382	NT	<0.000373	NT
Ethyl benzene	6	NL	NL	mg/kg	<0.000643	<0.05	<0.000561	<0.05	<0.000579	<0.05	<0.000565	<0.05
Ethylene dibromide (EDB)	0.005	0.5	NL	mg/kg	<0.000637	<0.05	<0.000555	<0.05	<0.000573	<0.05	<0.000559	<0.05
Hexachlorobutadiene	NL	12.82	NL	mg/kg	<0.0154	<0.05	<0.0134	<0.05	<0.0139	<0.05	<0.0135	<0.05
Methyl ethyl ketone	NL	NL	NL	mg/kg	<0.0152	<0.25	<0.0132	<0.25	<0.0136	<0.25	<0.0133	<0.25
Methyl isobutyl ketone	NL	NL	NL	mg/kg	<0.0121	NT	<0.0106	NT	<0.0109	NT	<0.0107	NT
Methylene bromide	NL	NL	NL	mg/kg	<0.00121	NT	<0.00106	NT	<0.00109	NT	<0.00107	NT
Methylene chloride	0.02	500	NL	mg/kg	<0.00806	<0.05	<0.00702	<0.05	<0.00725	<0.05	<0.00708	<0.05
MTBE	0.1	555.56	NL	mg/kg	<0.000358	<0.05	<0.000312	<0.05	<0.000322	<0.05	<0.000314	<0.05
Naphthalene	5	NL	NL	mg/kg	<0.00379	<0.05	<0.0033	<0.05	<0.00341	<0.05	<0.00332	<0.05
Propylbenzene, n-	NL	NL	NL	mg/kg	<0.00143	<0.05	<0.00125	<0.05	<0.00129	<0.05	<0.00126	<0.05
Styrene	NL	NL	NL	mg/kg	<0.00331	<0.05	<0.00289	<0.05	<0.00298	<0.05	<0.00291	<0.05
Tetrachloroethane, 1,1,1,2-	NL	38.46	NL	mg/kg	<0.000607	<0.05	<0.000529	<0.05	<0.000546	<0.05	<0.000533	<0.05
Tetrachloroethane, 1,1,2,2-	NL	5	NL	mg/kg	<0.000473	<0.05	<0.000412	<0.05	<0.000426	<0.05	<0.000416	<0.05
Tetrachloroethylene	0.05	476.19	NL	mg/kg	<0.00085	<0.02	<0.00074	<0.02	0.001750 J	<0.02	0.001200 J	<0.02
Toluene	7	NL	NL	mg/kg	<0.00152	<0.05	0.00174 J	<0.05	0.00288 J	<0.05	0.00142 J	<0.05
Trichloro-1,2,2-trifluoroethane, 1,1,2	NL	NL	NL	mg/kg	<0.000819	NT	<0.000714	NT	<0.000737	NT	<0.000719	NT
Trichlorobenzene, 1,2,3-	NL	NL	NL	mg/kg	<0.000759	<0.05	<0.000661	<0.05	<0.000682	<0.05	<0.000666	<0.05
Trichlorobenzene, 1,2,4-	NL	34.48	NL	mg/kg	<0.00585	<0.05	<0.0051	<0.05	<0.00526	<0.05	<0.00514	<0.05
Trichloroethane, 1,1,1-	2	NL	NL	mg/kg	<0.000334	<0.05	<0.000291	<0.05	<0.0003	<0.05	<0.000293	<0.05
Trichloroethane, 1,1,2-	NL	17.54	NL	mg/kg	<0.00107	<0.05	<0.000934	<0.05	<0.000964	<0.05	<0.000941	<0.05
Trichloroethylene	0.03	12	NL	mg/kg	<0.000485	<0.02	<0.000423	<0.02	<0.000437	<0.02	<0.000426	<0.02
Trichlorofluoromethane	NL	NL	NL	mg/kg	<0.000607	<0.05	<0.000529	<0.05	<0.000546	<0.05	<0.000533	<0.05
Trichloropropane, 1,2,3-	NL	0.033	NL	mg/kg	<0.00619	<0.05	<0.00539	<0.05	<0.00557	<0.05	<0.00543	<0.05
Trimethylbenzene, 1,2,3-	NL	NL	NL	mg/kg	<0.0014	NT	<0.00122	NT	<0.00126	NT	<0.00123	NT
Trimethylbenzene, 1,2,4-	NL	NL	NL	mg/kg	<0.00141	<0.05	<0.00123	<0.05	<0.00127	<0.05	<0.00124	<0.05
Trimethylbenzene, 1,3,5-	NL	NL	NL	mg/kg	<0.00131	<0.05	<0.00114	<0.05	<0.00118	&lt		

Table # 2B
SOIL ANALYTICAL RESULTS - SPLIT SAMPLING EVENT
Former Payless Auto Mart
Federal Way, WA
TGE Project No.: R13411.07

Station Name	Method A Unrestricted Land Use	Method B Cancer Direct Contact	Simplified Terrestrial Eco Evaluation Unrestricted	Reporting Units	B9	B9-4	B9	B9-10	B10	B10-3	B10	B10-10
Laboratory Identification					L1018176-01		L1018176-02		L1018176-03		L1018176-04	
Sample Date					8/15/2018	8/15/2018	8/15/2018	8/15/2018	8/15/2018	8/15/2018	8/15/2018	
Sample Depth					4 ft	4 ft	10 ft	10 ft	3 ft	3 ft	10 ft	10 ft
Consultant					TGE	EAI	TGE	EAI	TGE	EAI	TGE	EAI
VOAs												
Acetone	NL	NL	NL	mg/kg	<0.0142	<0.25	<0.0152	<0.25	<0.0261	<0.25	<0.0144	<0.25
Acrylonitrile	NL	1.852	NL	mg/kg	<0.00197	NT	<0.00211	NT	<0.00362	NT	<0.00199	NT
Benzene	0.03	18.182	NL	mg/kg	<0.000415	<0.02	<0.000443	<0.02	<0.000762	<0.02	<0.000419	<0.02
Bromobenzene	NL	NL	NL	mg/kg	<0.00109	<0.05	<0.00116	<0.05	<0.002	<0.05	<0.0011	<0.05
Bromodichloromethane	NL	16.129	NL	mg/kg	<0.000817	<0.05	<0.000873	<0.05	<0.0015	<0.05	<0.000826	<0.05
Bromoform	NL	126.582	NL	mg/kg	<0.0062	<0.05	<0.00663	<0.05	<0.0114	<0.05	<0.00627	<0.05
Bromomethane	NL	NL	NL	mg/kg	<0.00384	<0.05	<0.0041	<0.05	<0.00705	<0.05	<0.00388	<0.05
Butylbenzene, n-	NL	NL	NL	mg/kg	<0.00398	<0.05	<0.00426	<0.05	<0.00731	<0.05	<0.00402	<0.05
Butylbenzene, sec-	NL	NL	NL	mg/kg	<0.00262	<0.05	<0.0028	<0.05	<0.00482	<0.05	<0.00265	<0.05
Butylbenzene, tert-	NL	NL	NL	mg/kg	<0.00161	<0.05	<0.00172	<0.05	<0.00295	<0.05	<0.00162	<0.05
Carbon tetrachloride	NL	14.286	NL	mg/kg	<0.00112	<0.05	<0.0012	<0.05	<0.00206	<0.05	<0.00113	<0.05
Chlorobenzene	NL	NL	NL	mg/kg	<0.000594	<0.05	<0.000635	<0.05	<0.00109	<0.05	<0.000601	<0.05
Chloroethane	NL	NL	NL	mg/kg	<0.00112	<0.05	<0.0012	<0.05	<0.00206	<0.05	<0.00113	<0.05
Chloroform	NL	32.258	NL	mg/kg	<0.00043	<0.05	<0.00046	<0.05	<0.00079	<0.05	<0.000435	<0.05
Chloromethane	NL	NL	NL	mg/kg	<0.00144	<0.05	<0.00154	<0.05	<0.00265	<0.05	<0.00146	<0.05
Chlorotoluene, o-	NL	NL	NL	mg/kg	<0.000954	NT	<0.00102	NT	<0.00175	NT	<0.000964	NT
Chlorotoluene, p-	NL	NL	NL	mg/kg	<0.00117	NT	<0.00125	NT	<0.00215	NT	<0.00118	NT
Cumene (Isopropylbenzene)	NL	NL	NL	mg/kg	<0.000895	<0.05	<0.000956	<0.05	<0.00164	<0.05	<0.000905	<0.05
Cymene (Isopropyltoluene)	NL	NL	NL	mg/kg	<0.00242	<0.05	<0.00258	<0.05	<0.00444	<0.05	<0.00244	<0.05
Dibromo-3-chloropropane, 1,2-	NL	1.25	NL	mg/kg	<0.00529	<0.05	<0.00565	<0.05	<0.00971	<0.05	<0.00535	<0.05
Dibromochloromethane	NL	11.905	NL	mg/kg	<0.000467	<0.05	<0.000499	<0.05	<0.000857	<0.05	<0.000472	<0.05
Dichlorobenzene, 1,2-	NL	NL	NL	mg/kg	<0.0015	<0.05	<0.00161	<0.05	<0.00276	<0.05	<0.00152	<0.05
Dichlorobenzene, 1,3-	NL	NL	NL	mg/kg	<0.00176	<0.05	<0.00188	<0.05	<0.00324	<0.05	<0.00178	<0.05
Dichlorobenzene, 1,4-	NL	185.185	NL	mg/kg	<0.00204	<0.05	<0.00218	<0.05	<0.00375	<0.05	<0.00206	<0.05
Dichlorodifluoromethane	NL	NL	NL	mg/kg	<0.000848	<0.05	<0.000907	<0.05	<0.00156	<0.05	<0.000857	<0.05
Dichloroethane, 1,1-	NL	175.439	NL	mg/kg	<0.000596	<0.05	<0.000637	<0.05	<0.0011	<0.05	<0.000603	<0.05
Dichloroethane, 1,2-	NL	10.989	NL	mg/kg	<0.000493	<0.05	<0.000526	<0.05	<0.000905	<0.05	<0.000498	<0.05
Dichloroethylene, 1,1-	NL	NL	NL	mg/kg	<0.000519	<0.05	<0.000554	<0.05	<0.000952	<0.05	<0.000524	<0.05
Dichloroethylene, cis-1,2-	NL	NL	NL	mg/kg	<0.000716	<0.05	<0.000765	<0.05	<0.00131	<0.05	<0.000723	<0.05
Dichloroethylene, trans-1,2	NL	NL	NL	mg/kg	<0.00148	<0.05	<0.00158	<0.05	<0.00272	<0.05	<0.0015	<0.05
Dichloropropane, 1,2-	NL	27.778	NL	mg/kg	<0.00132	<0.05	<0.00141	<0.05	<0.00242	<0.05	<0.00133	<0.05
Dichloropropane, 1,3-	NL	NL	NL	mg/kg	<0.00182	<0.05	<0.00194	<0.05	<0.00333	<0.05	<0.00183	<0.05
Dichloropropane, 2,2-	NL	NL	NL	mg/kg	<0.000823	<0.05	<0.000879	<0.05	<0.00151	<0.05	<0.000831	<0.05
Dichloropropene, 1,1-	NL	NL	NL	mg/kg	<0.000726	<0.05	<0.000776	<0.05	<0.00133	<0.05	<0.000734	<0.05
Dichloropropene, cis 1,3-	NL	NL	NL	mg/kg	<0.000703	<0.05	<0.000751	<0.05	<0.00129	<0.05	<0.000711	<0.05
Dichloropropene, trans 1,3-	NL	NL	NL	mg/kg	<0.00159	<0.05	<0.0017	<0.05	<0.00291	<0.05	<0.0016	<0.05
Diisopropyl ether	NL	NL	NL	mg/kg	<0.000363	NT	<0.000388	NT	<0.000667	NT	<0.000367	NT
Ethyl benzene	6	NL	NL	mg/kg	<0.00055	<0.05	<0.000587	<0.05	0.00132 J	<0.05	<0.000555	<0.05
Ethylene dibromide (EDB)	0.005	0.5	NL	mg/kg	<0.000545	<0.05	<0.000582	<0.05	<0.001	<0.05	<0.00055	<0.05
Hexachlorobutadiene	NL	12.82	NL	mg/kg	<0.0132	<0.05	<0.0141	<0.05	<0.0242	<0.05	<0.0133	<0.05
Methyl ethyl ketone	NL	NL	NL	mg/kg	<0.013	<0.25	<0.0139	<0.25	<0.0238	<0.25	<0.0131	<0.25
Methyl isobutyl ketone	NL	NL	NL	mg/kg	<0.0104	NT	<0.0111	NT	<0.019	NT	<0.0105	NT
Methylene bromide	NL	NL	NL	mg/kg	<0.00104	NT	<0.00111	NT	<0.0019	NT	<0.00105	NT
Methylene chloride	0.02	500	NL	mg/kg	<0.00689	<0.05	<0.00736	<0.05	<0.0126	<0.05	<0.00696	<0.05
MTBE	0.1	555.56	NL	mg/kg	<0.000306	<0.05	<0.000327	<0.05	<0.000562	<0.05	<0.000309	<0.05
Naphthalene	5	NL	NL	mg/kg	<0.00324	<0.05	<0.00346	<0.05	<0.00594	<0.05	<0.00327	<0.05
Propylbenzene, n-	NL	NL	NL	mg/kg	<0.00122	<0.05	<0.00131	<0.05	<0.00225	<0.05	<0.00124	<0.05
Styrene	NL	NL	NL	mg/kg	<0.00283	<0.05	<0.00303	<0.05	<0.0052	<0.05	<0.00286	<0.05
Tetrachloroethane, 1,1,1,2-	NL	38.46	NL	mg/kg	<0.000519	<0.05	<0.000554	<0.05	<0.000952	<0.05	<0.000524	<0.05
Tetrachloroethane, 1,1,2,2-	NL	5	NL	mg/kg	<0.000405	<0.05	<0.000432	<0.05	<0.000743	<0.05	<0.000409	<0.05
Tetrachloroethylene	0.05	476.19	NL	mg/kg	<0.000726	<0.02	<0.000776	<0.02	<0.00133	<0.02	0.002150 J	<0.02
Toluene	7	NL	NL	mg/kg	<0.0013	<0.05	<0.00139	<0.05	0.00939 J	<0.05	<0.00131	<0.05
Trichloro-1,2,2-trifluoroethane, 1,1,2	NL	NL	NL	mg/kg	<0.0007	NT	<0.000748	NT	<0.00129	NT	<0.000707	NT
Trichlorobenzene, 1,2,3-	NL	NL	NL	mg/kg	<0.000648	<0.05	<0.000693	<0.05	<0.00119	<0.05	<0.000655	<0.05
Trichlorobenzene, 1,2,4-	NL	34.48	NL	mg/kg	<0.005	<0.05	<0.00534	<0.05	<0.00918	<0.05	<0.00505	<0.05
Trichloroethane, 1,1,1-	2	NL	NL	mg/kg	<0.000285	<0.05	<0.000305	<0.05	<0.000524	<0.05	<0.000288	<0.05
Trichloroethane, 1,1,2-	NL	17.54	NL	mg/kg	<0.000916	<0.05	<0.000979	<0.05	<0.00168	<0.05	<0.000925	<0.05
Trichloroethylene	0.03	12	NL	mg/kg	<0.000415	<0.02	<0.000443	<0.02	<0.000762	<0.02	<0.000419	<0.02
Trichlorofluoromethane	NL	NL	NL	mg/kg	<0.000519	<0.05	<0.000554	<0.05	<0.000952	<0.05	<0.000524	<0.05
Trichloropropane, 1,2,3-	NL	0.033	NL	mg/kg	<0.00529	<0.05	<0.00565	<0.05	<0.00971	<0.05	<0.00535	<0.05
Trimethylbenzene, 1,2,3-	NL	NL	NL	mg/kg	0.00132 J	NT	<0.00127	NT	0.00258 J	NT	<0.00121	NT
Trimethylbenzene, 1,2,4-	NL	NL	NL	mg/kg	0.0012 J	<0.05	0.00142 J	<0.05	0.00405 J	<0.05	0.00130 J	<0.05
Trimethylbenzene, 1,3,5-	NL	NL	NL	mg/kg	<0.00112	<0.05	<0.0012	<0.05	<0.00206	<0.05	<0.00113	<0.05

Notes:

- 16.60** Concentrations in blue indicate levels above method detection limits yet below Washington Department of Ecology (Ecology) screening level(s)
- NL No Limit Established
- mg/kg Milligrams per kilogram (parts per million)
- J Analyte is an estimated value between the Reporting Limit (RL) and Method Detection Limit (MDL) (for organics only)
- * Result Exceeds the Washington Department of Ecology Method B Direct Contact cancer assessment level. This screening level is used upon demonstration that Site groundwater is not impacted.

Table # 2C
SOIL GAS ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project No.: R13411.07

Station Name	May 2019 SubSlab Soil Gas Screening Level Method B Noncancer (THQ=1)	May 2019 SubSlab Soil Gas Screening Level Method B Cancer (TR=1E-6)	Reporting Units	B-10	B-11	B-12	B-13
				Collected by Environmental Associates Inc. - Split Sampling Even			
Sample Date				8/15/2018	8/15/2018	8/15/2018	8/15/2018
LabSampleID				808364-01	808364-02	808364-03	808364-04
Sample Depth				4.5 - 5 feet	4.5 - 5 feet	4.5 - 5 feet	4.5 - 5 feet
				Reported Concentration	Reported Concentration	Reported Concentration	Reported Concentration
VOCs							
1,2-Dichlorotetrafluoroethane (F-114)	NL	NL	ug/m3	<2.3	<2.3	<2.3	<2.3
1-Butanol	NL	NL	ug/m3	35	<20	32	<20
2-Pentanone	NL	NL	ug/m3	<12	<12	<12	<12
3-Pentanone	NL	NL	ug/m3	<12	<12	<12	<12
Acetaldehyde	140	38.0	ug/m3	<30	<30	<30	<30
Acetone	NL	NL	ug/m3	190	100	400 (ve)	250
Acetonitrile	910	NL	ug/m3	42	<5.5	<5.5	<5.5
Acrolein	0.3	NL	ug/m3	18	<3	<3	12
Acrylonitrile	30.5	1.20	ug/m3	<5.5	<0.72	<0.72	<0.72
Benzene	460	11	ug/m3	150	3	180	130
Benzyl chloride	15	1.7	ug/m3	<0.17	<0.17	<0.17	<0.17
Bromodichloromethane	NL	2.3	ug/m3	<0.22	<0.22	<0.22	<0.22
Bromoform	NL	76	ug/m3	<6.8	<6.8	<6.8	<6.8
Bromomethane	76	NL	ug/m3	<5.1	<5.1	<5.1	<5.1
Butadiene, 1,3-	30	2.8	ug/m3	260	0.72	210	340
Butanal	NL	NL	ug/m3	20	<9.7	45	38
Carbon disulfide	11000	NL	ug/m3	28	<21	160	<21
Carbon tetrachloride	1500	14	ug/m3	<2.1	<2.1	<2.1	<2.1
Chlorobenzene	760	NL	ug/m3	<1.5	<1.5	<1.5	<1.5
Chlorodifluoromethane	760000	NL	ug/m3	<1.2	<1.2	<1.2	<1.2
Chloroethane (ethyl chloride)	15200	NL	ug/m3	<0.87	<0.87	<0.87	<0.87
Chloroform	1500	3.6	ug/m3	0.61	0.52	0.32	0.44
Chloromethane	1400	NL	ug/m3	3	2.1	6.7	4.6
Cyclohexane	NL	NL	ug/m3	170	<23	140	130
Cyclopentane	NL	NL	ug/m3	<0.95	1.8	39	34
Dibromochloromethane	NL	3.09	ug/m3	<0.28	<0.28	<0.28	<0.28
Dichlorobenzene, 1,2-	3000	NL	ug/m3	<2	<2	<2	<2
Dichlorobenzene, 1,3-	NL	NL	ug/m3	<2	2.9	6.6	4
Dichlorobenzene, 1,4-	12000	7.58	ug/m3	<0.79	<0.79	<0.79	<0.79
Dichlorodifluoromethane	1500	NL	ug/m3	2.6	2.9	<1.6	2.4
Dichloroethane, 1,1-	NL	52	ug/m3	<1.3	<1.3	<1.3	<1.3
Dichloroethane, 1,2-	110	3.2	ug/m3	<0.13	<0.13	<0.13	0.6
Dichloroethylene, 1,1-	3000	NL	ug/m3	<1.3	<1.3	<1.3	<1.3
Dichloroethylene, cis-1,2-	NL	NL	ug/m3	<1.3	<1.3	<1.3	<1.3
Dichloroethylene, trans-1,2	NL	NL	ug/m3	<1.3	<1.3	<1.3	<1.3
Dichloropropane, 1,2-	61	23	ug/m3	<0.76	<0.76	<0.76	<0.76
Dichloropropene, cis 1,3-	300	21	ug/m3	<1.5	<1.5	<1.5	<1.5
Dichloropropene, trans 1,3-	300	21	ug/m3	<1.5	<1.5	<1.5	<1.5
Dioxane 1,4-	NL	NL	ug/m3	<1.2	<1.2	<1.2	<1.2
Ethanol	NL	NL	ug/m3	90	<25	42	26
Ethyl benzene	15000	NL	ug/m3	28	2.1	22	25
Ethylene dibromide (EDB)	140	0.14	ug/m3	<0.25	<0.25	<0.25	<0.25
Hexachlorobutadiene	NL	3.79	ug/m3	<0.7	<0.7	<0.7	<0.7
Hexanal	NL	NL	ug/m3	220	<14	32	27
Hexane, n-	11000	NL	ug/m3	340	<12	340	190
Hexanone, 2-	NL	NL	ug/m3	<14	<14	<14	<14
Hexanone, 3-	NL	NL	ug/m3	<14	<14	<14	<14
Iodomethane	NL	NL	ug/m3	2.6	<1.9	<1.9	<1.9
Isobutene	NL	NL	ug/m3	360	<3	670 (ve)	1000 (ve)
Isoprene	NL	NL	ug/m3	36	<0.92	89	130
Isopropyl alcohol	NL	NL	ug/m3	<28	<28	<28	<28
Methacrolein	NL	NL	ug/m3	18	<9.5	17	<9.5
Methyl ethyl ketone	76000	NL	ug/m3	40	13	110	73
Methyl isobutyl ketone	46000	NL	ug/m3	<14	<14	<14	<14
Methyl vinyl ketone	NL	NL	ug/m3	<9.5	<9.5	22	<9.5
Methylene chloride	9100	8300	ug/m3	330	<290	290	880 (ve)
MTBE	46000	321	ug/m3	<5.9	<5.9	<5.9	<5.9
Naphthalene	46	2.5	ug/m3	1.4 (nb)	1.3 (fb)	2.4 (fb)	2.7 (fb)
Pentanal	NL	NL	ug/m3	20	<12	33	28
Pentane	NL	NL	ug/m3	480	<9.7	530 (ve)	250
Propene	NL	NL	ug/m3	700 (ve)	<2.3	1800 (ve)	1800 (ve)
Styrene	15000	NL	ug/m3	44	<2.8	8.5	9.6
Tetrachloroethane, 1,1,2,2-	610	320	ug/m3	<0.45	<0.45	<0.45	<0.45
Tetrachloroethylene	30	12	ug/m3	35	2.7	<2.2	5.7
Toluene	76000	NL	ug/m3	360	11	150	130
Trichloro-1,2,2-trifluoroethane, 1,1,2-	76000	NL	ug/m3	<2.5	<2.5	<2.5	<2.5
Trichlorobenzene, 1,2,4-	910	NL	ug/m3	<2.4	<2.4	<2.4	<2.4
Trichloroethane, 1,1,1-	76000	NL	ug/m3	<1.8	<1.8	<1.8	<1.8
Trichloroethane, 1,1,2-	3	5.2	ug/m3	<0.18	<0.18	<0.18	<0.18
Trichloroethylene	30	12	ug/m3	13	15	1.7	18
Trichlorofluoromethane	11000	NL	ug/m3	<1.9	1.9	<1.9	4.2
Trimethylbenzene, 1,2,4-	910	NL	ug/m3	<8.1	<8.1	9	30
Trimethylbenzene, 1,3,5-	NL	NL	ug/m3	<8.1	<8.1	<8.1	9
Vinyl acetate	3000	NL	ug/m3	<23	<23	<23	<23
Vinyl chloride	1500	9.4	ug/m3	<0.84	<0.84	<0.84	<0.84
Xylene, o-	1520	NL	ug/m3	25	2.6	24	24
Xylenes	1500	NL	ug/m3	103	7.4	58	83

TR = 1E⁻⁶

THQ = 1

1.8

NL

ve

fb

ug/m³

Incremental Lifetime Cancer Risk target value of 1 : 1,000,000

Target hazard quotient for potential non-cancer effects

Concentration in blue indicates a level above the method detection limit (MDL), for Reported Concentrations, and below the MTCA screening levels (if established).

Not Listed with a target Screening Level per MTCA

The analyte concentration indicated exceeded the valid instrument calibration range - the reported value is estimated

The analyte indicated was detected within the associated field blank

Micrograms per cubic met Micrograms per cubic Micrograms per cubic meter

Concentration exceeds the Washington State Department of Ecology 2019 Subslab Soil Gas Screening Levels using the "Method B" health risk

Table # 3
SOIL ANALYTICAL RESULTS - SUMP REMOVAL SAMPLES
Former Payless Auto Mart
Federal Way, WA
TGE Project No.: R13411.07

Station Name	Method A Direct Contact (January 2020)	Method B Non-Cancer Direct Contact (January 2020)	Method B Cancer Direct Contact (January 2020)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (January 2020)	Soil Protective of Groundwater Vadose at 13 Deg (January 2020)	Reporting Units	BAY 1		BAY 1 SUMP	BAY 1 SUMP	BAY 1 SUMP	BAY 1 SUMP
							SUMP BASE		E SIDEWALL	N SIDEWALL	S SIDEWALL	W SIDEWALL
Laboratory Identification							L1184753-03	L1187323-02	L1184753-07 L1187323-04	L1187323-03	L1184753-05	L1184753-06
Sample Date							1/29/2020		1/29/2020	1/29/2020	1/29/2020	1/29/2020
Depth Range							4 ft		4 ft	4 ft	4 ft	4 ft
Hydrocarbon (NWTPHGx and NWTPHDx)												
Gasoline range organics (Benzene Present)	30	NL	NL	200	NL	mg/kg	-	NT	-	-	-	-
Gasoline range organics (Benzene NonDetect)	100	NL	NL	200	NL	mg/kg	9.46	NT	2.02 J	<1	0.970 J	<0.955
Diesel range organics	2000	NL	NL	460	NL	mg/kg	39.9	NT	14.1	85.4	14.3	4.9
Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	80.6	NT	51.2	187	49.4	11.00 J
Metals (EPA Method 6010/7471)												
Arsenic	20	24	0.67	20	2.9	mg/kg	8.66	NT	3.8	9.07	3.4	2.61
Barium	NL	16000	NL	1250	1600	mg/kg	76.3	NT	86.2	82.9	77	58.5
Cadmium	2	80	NL	25	0.69	mg/kg	<0.0935	NT	<0.0817	<0.0829	<0.0778	<0.0789
Lead	250	NL	NL	220	3000	mg/kg	101	NT	239	97.4	212	8.59
Mercury	2	NL	NL	9	2.1	mg/kg	0.03010 J	NT	0.02530 J	0.02230 J	0.02750 J	0.01630 J
Selenium	NL	400	NL	0.8	5.2	mg/kg	<0.828	<0.254	<0.724	<0.734	<0.689	<0.699
Silver	NL	400	NL	NL	14	mg/kg	<0.016	NT	<0.14	<0.142	<0.133	<0.135
Total Chromium	NL	NL	NL	42	NL	mg/kg	44.2	NT	76.9	41.9	73.9	27.6
Chromium,Hexavalent	19	240	NL	NL	18	mg/kg	NT	NT	18.9	NT	NT	NT
Chromium,Trivalent	2000	120000	NL	NL	480000	mg/kg	NT	NT	58	NT	NT	NT
Other												
% Moisture	NL	NL	NL	NL	NL	%	74.9	74.9	85.7	84.4	90	88.7
SVOCs (EPA Method 8270)												
Acenaphthene	NL	4800	NL	NL	98	mg/kg	NT	NT	NT	<0.0076	NT	NT
Acenaphthylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00795	NT	NT
Anthracene	NL	24000	NL	NL	2300	mg/kg	NT	NT	NT	<0.00749	NT	NT
Benz-a-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00507	NT	NT
Benzzidine	NL	240	0.0043	NL	NL	mg/kg	NT	NT	NT	<0.0755	NT	NT
Benzo-a-pyrene	0.1	24	0.19	30	3.9	mg/kg	NT	NT	NT	<0.00649	NT	NT
Benzo-b-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00823	NT	NT
Benzo-g,h,i-perylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00854	NT	NT
Benzo-k-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00689	NT	NT
Bis (2-chloroethoxy) methane	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00912	NT	NT
Bis (2-chloroethyl) ether	NL	NL	0.91	NL	0.00022	mg/kg	NT	NT	NT	<0.0106	NT	NT
Bis (2-ethyl-hexyl) phthalate	NL	1600	71	NL	13	mg/kg	NT	NT	NT	0.118 J	NT	NT
Bromophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.0135	NT	NT
Butyl benzyl phthalate	NL	16000	530	NL	13	mg/kg	NT	NT	NT	<0.0122	NT	NT
Chloro-3-methylphenol, 4-	NL	8000	NL	NL	NL	mg/kg	NT	NT	NT	<0.00565	NT	NT
Chloronaphthalene, 2-	NL	6400	NL	NL	NL	mg/kg	NT	NT	NT	<0.00757	NT	NT
Chlorophenol, 2-	NL	400	NL	NL	0.47	mg/kg	NT	NT	NT	<0.00984	NT	NT
Chlorophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00743	NT	NT
Chrysene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00657	NT	NT
Dibenz-a,h-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00972	NT	NT
Dichlorobenzidine, 3,3-	NL	NL	2.2	NL	0.0036	mg/kg	NT	NT	NT	<0.094	NT	NT
Dichlorophenol, 2,4-	NL	240	NL	NL	0.17	mg/kg	NT	NT	NT	<0.00884	NT	NT
Diethyl phthalate	NL	64000	NL	NL	72	mg/kg	NT	NT	NT	<0.00818	NT	NT
Dimethyl phenol, 2,4-	NL	1600	NL	NL	1.3	mg/kg	NT	NT	NT	<0.0558	NT	NT
Dimethylphthalate	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.0064	NT	NT
Di-n-butyl phthalate	NL	8000	NL	200	57	mg/kg	NT	NT	NT	<0.0129	NT	NT
Dinitro-2-methylphenol, 4,6-	NL	6.4	NL	NL	NL	mg/kg	NT	NT	NT	<0.147	NT	NT
Dinitrophenol, 2,4-	NL	160	NL	NL	0.13	mg/kg	NT	NT	NT	<0.116	NT	NT
Dinitrotoluene, 2,4-	NL	160	3.2	NL	0.0017	mg/kg	NT	NT	NT	<0.00719	NT	NT
Dinitrotoluene, 2,6-	NL	24	0.67	NL	0.00031	mg/kg	NT	NT	NT	<0.00873	NT	NT
Di-n-octyl phthalate	NL	800	NL	NL	270000	mg/kg	NT	NT	NT	<0.0107	NT	NT
Fluoranthene	NL	3200	NL	NL	630	mg/kg	NT	NT	NT	0.00642 J	NT	NT
Fluorene	NL	3200	NL	NL	100	mg/kg	NT	NT	NT	<0.00808	NT	NT
Hexachlorobenzene	NL	64	0.63	31	0.88	mg/kg	NT	NT	NT	<0.0101	NT	NT
Hexachlorocyclopentadiene	NL	480	NL	NL	190	mg/kg	NT	NT	NT	<0.0695	NT	NT
Hexachloroethane	NL	56	25	NL	0.043	mg/kg	NT	NT	NT	<0.0159	NT	NT
Indeno-1,2,3-cd-pyrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00914	NT	NT
Isophorone	NL	16000	1100	NL	0.23	mg/kg	NT	NT	NT	<0.00618	NT	NT
Naphthalene	5	1600	NL	NL	4.5	mg/kg	NT	NT	NT	<0.0105	NT	NT
Nitrobenzene	NL	160	NL	NL	0.1	mg/kg	NT	NT	NT	<0.00823	NT	NT
Nitrophenol, 2-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.0154	NT	NT
Nitrophenol, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.0622	NT	NT
Nitrosodimethylamine, N-	NL	0.64	0.02	NL	NL	mg/kg	NT	NT	NT	<0.0766	NT	NT
Nitrosodi-n-propylamine, N-	NL	NL	0.14	NL	0.000056	mg/kg	NT	NT	NT	<0.0107	NT	NT
Nitrosodiphenylamine, N-	NL	NL	200	NL	0.53	mg/kg	NT	NT	NT	<0.107	NT	NT
Pentachlorophenol	NL	400	2.5	11	0.016	mg/kg	NT	NT	NT	<0.0569	NT	NT
Phenanthrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	0.0184 J	NT	NT
Phenol	NL	24000	NL	NL	11	mg/kg	NT	NT	NT	<0.00823	NT	NT
Pyrene	NL	2400	NL	NL	650	mg/kg	NT	NT	NT	<0.0146	NT	NT
Trichlorophenol, 2,4,6-	NL	80	91	NL	0.046	mg/kg	NT	NT	NT	<0.00923	NT	NT
VOAs (EPA Method 8260)												
Acetone	NL	72000	NL	NL	25	mg/kg	<0.0183	NT	0.174	<0.0162	<0.0152	<0.0154
Acrylonitrile	NL	NL	1.9	NL	NL	mg/kg	<0.00254	NT	<0.00616	<0.00225	<0.0	

Table # 3
SOIL ANALYTICAL RESULTS - SUMP REMOVAL SAMPLES
Former Payless Auto Mart
Federal Way, WA
TGE Project No.: R13411.07

Station Name	Method A Direct Contact (January 2020)	Method B Non-Cancer Direct Contact (January 2020)	Method B Cancer Direct Contact (January 2020)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (January 2020)	Soil Protective of Groundwater Vadose at 13 Deg (January 2020)	Reporting Units	BAY 1 SUMP BASE		BAY 1 SUMP E SIDEWALL	BAY 1 SUMP N SIDEWALL	BAY 1 SUMP S SIDEWALL	BAY 1 SUMP W SIDEWALL
Laboratory Identification							L1184753-03	L1187323-02	L1184753-07 L1187323-04	L1184753-04 L1187323-03	L1184753-05	L1184753-06
Sample Date							1/29/2020		1/29/2020	1/29/2020	1/29/2020	1/29/2020
Depth Range							4 ft		4 ft	4 ft	4 ft	4 ft
Ethylene dibromide	0.005	720	0.5	NL	0.00027	mg/kg	<0.000701	NT	<0.0017	<0.000622	<0.000583	<0.000592
Hexachlorobutadiene	NL	80	13.00	NL	0.60	mg/kg	<0.017	NT	<0.0412	<0.015	<0.0141	<0.0143
Methyl ethyl ketone	NL	48000	NL	NL	NL	mg/kg	<0.0167	NT	0.0408 B J	<0.0148	<0.0139	<0.0141
Methyl isobutyl ketone	NL	6400	NL	NL	NL	mg/kg	<0.0134	NT	<0.0324	<0.0118	<0.0111	<0.0113
Methylene bromide	NL	800	NL	NL	NL	mg/kg	<0.00134	NT	<0.00324	<0.00118	<0.00111	<0.00113
Methylene chloride	0.02	480	94	NL	0.021	mg/kg	<0.00887	NT	<0.0215	<0.00786	<0.00738	<0.00749
MTBE	0.1	NL	560	NL	0.10	mg/kg	<0.000394	NT	<0.000957	<0.000349	<0.000328	<0.000333
Naphthalene	5	1600	NL	NL	4.5	mg/kg	<0.00417	NT	0.0144 J	<0.0037	<0.00347	<0.00352
Propylbenzene, n-	NL	8000	NL	NL	NL	mg/kg	<0.00158	NT	<0.00383	<0.0014	<0.00131	<0.00133
Styrene	NL	16000	NL	NL	2.2	mg/kg	<0.00365	NT	<0.00886	<0.00323	<0.00303	<0.00308
Tetrachloroethane, 1,1,1,2-	NL	2400	38	NL	NL	mg/kg	<0.000668	NT	<0.00162	<0.000592	<0.000555	<0.000564
Tetrachloroethane, 1,1,2,2-	NL	1600	5	NL	0.0012	mg/kg	<0.000521	NT	<0.00127	<0.000462	<0.000433	<0.00044
Tetrachloroethylene	0.05	480	480	NL	0.05	mg/kg	<0.000935	NT	0.00941	<0.000829	<0.000778	<0.000789
Toluene	7	6400	NL	NL	4.5	mg/kg	0.00393 J	NT	0.0326	0.00210 J	0.00212 J	0.00386 J
Trichloro-1,2,2-trifluoroethane, 1,1,2-	NL	2400000	NL	NL	NL	mg/kg	<0.000902	NT	<0.00219	<0.0008	<0.00075	<0.000761
Trichlorobenzene, 1,2,3-	NL	NL	NL	NL	NL	mg/kg	<0.000835	NT	<0.00203	<0.00074	<0.000694	<0.000705
Trichlorobenzene, 1,2,4-	NL	800	34	NL	0.56	mg/kg	<0.00644	NT	<0.0156	<0.00571	<0.00535	<0.00543
Trichloroethane, 1,1,1,1-	2	160000	NL	NL	1.5	mg/kg	<0.000367	NT	<0.000892	<0.000326	<0.000305	<0.00031
Trichloroethane, 1,1,2-	NL	320	18	NL	0.017	mg/kg	<0.00118	NT	<0.00286	<0.00105	<0.000981	<0.000995
Trichloroethylene	0.03	40	12.00	NL	0.025	mg/kg	<0.000534	NT	<0.0013	<0.000474	<0.000444	<0.000451
Trichlorofluoromethane	NL	24000	NL	NL	NL	mg/kg	<0.000668	NT	<0.00162	<0.000592	<0.000555	<0.000564
Trichloropropane, 1,2,3-	NL	320	0.0063	NL	NL	mg/kg	<0.00681	NT	<0.0165	<0.00604	<0.00567	<0.00575
Trimethylbenzene, 1,2,3-	NL	800	NL	NL	NL	mg/kg	0.00264 J	NT	0.00682 J	<0.00136	<0.00128	<0.0013
Trimethylbenzene, 1,2,4-	NL	800	NL	NL	NL	mg/kg	0.00526 J	NT	0.01460 J	0.00152 J	<0.00129	<0.00131
Trimethylbenzene, 1,3,5-	NL	800	NL	NL	NL	mg/kg	0.00224 J	NT	0.0064 J	<0.00128	<0.0012	<0.00122
Vinyl chloride	NL	240	0.67	NL	0.0017	mg/kg	<0.000912	NT	<0.00222	<0.000809	<0.000759	<0.00077
Xylenes	NL	16000	9	NL	14	mg/kg	<0.00639	NT	0.0259	<0.00566	<0.00531	<0.00539

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TGE Project No.: R13411.07

Station Name	Method A Direct Contact (January 2020)	Method B Non-Cancer Direct Contact (January 2020)	Method B Cancer Direct Contact (January 2020)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (January 2020)	Soil Protective of Groundwater Vadose at 13 Deg (January 2020)	Reporting Units	BAY 3 E SIDEWALL	BAY 3 N SIDEWALL	BAY 3 S SIDEWALL	BAY 3 SUMP BASE	BAY 3 SUMP 2 FT BELOW BASE	BAY 3 W SIDEWALL
Laboratory Identification							L1184753-12	L1184753-10	L1184753-11	L1184753-09 L1187323-05	L1187323-08	L1184753-13
Sample Date							1/29/2020	1/29/2020	1/29/2020	1/29/2020	1/29/2020	1/29/2020
Depth Range							5 ft	5 ft	5 ft	5 ft	7 FT	5 ft
Hydrocarbon (NWTPHGx and NWTPHDx)												
Gasoline range organics (Benzene Present)	30	NL	NL	200	NL	mg/kg	-	-	-	-	NT	-
Gasoline range organics (Benzene NonDetect)	100	NL	NL	200	NL	mg/kg	0.996 J	2.02 J	1.100 J	3.85	NT	1.440 J
Diesel range organics	2000	NL	NL	460	NL	mg/kg	281	295	134	2470	1600	134
Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	630	546	325	5350	1750	267
Metals (EPA Method 6010/7471)												
Arsenic	20	24	0.67	20	2.9	mg/kg	7.54	16.4	7.45	11.5	NT	7.91
Barium	NL	16000	NL	1250	1600	mg/kg	83.2	99.5	84.3	150	NT	71.9
Cadmium	2	80	NL	25	0.69	mg/kg	0.357 J	0.3430 J	0.5250 J	0.2930 J	NT	0.086 J
Lead	250	NL	NL	220	3000	mg/kg	47.3	57.5	46.3	61.7	NT	30.2
Mercury	2	NL	NL	9	2.1	mg/kg	0.069	0.0631	0.083	0.0638	NT	0.02830 J
Selenium	NL	400	NL	0.8	5.2	mg/kg	<0.682	<0.741	<0.703	<0.697	NT	<0.699
Silver	NL	400	NL	NL	14	mg/kg	<0.132	<0.143	<0.136	<0.135	NT	<0.135
Total Chromium	NL	NL	NL	42	NL	mg/kg	27.1	34.1	24.8	40.4	NT	25.7
Chromium,Hexavalent	19	240	NL	NL	18.00	mg/kg	NT	NT	NT	NT	NT	NT
Chromium,Trivalent	2000	120000	NL	NL	480000	mg/kg	NT	NT	NT	NT	NT	NT
Other												
% Moisture	NL	NL	NL	NL	NL	%	90.9	83.7	88.2	88.9	91	88.7
SVOCs (EPA Method 8270)												
Acenaphthene	NL	4800	NL	NL	98	mg/kg	NT	NT	NT	<0.0144	<0.0705	NT
Acenaphthylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.0151	<0.0737	NT
Anthracene	NL	24000	NL	NL	2300	mg/kg	NT	NT	NT	<0.0142	<0.0694	NT
Benz-a-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00963	<0.047	NT
Benzidine	NL	240	0.0043	NL	NL	mg/kg	NT	NT	NT	<0.143	<0.7	NT
Benzo-a-pyrene	0.1	24	0.19	30	3.9	mg/kg	NT	NT	NT	<0.0123	<0.0602	NT
Benzo-b-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.0156	<0.0763	NT
Benzo-g,h,i-perylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.0162	<0.0792	NT
Benzo-k-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.0131	<0.0639	NT
Bis (2-chloroethoxy) methane	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.0173	<0.0846	NT
Bis (2-chloroethyl) ether	NL	NL	0.91	NL	0.00022	mg/kg	NT	NT	NT	<0.0202	<0.0984	NT
Bis (2-ethyl-hexyl) phthalate	NL	1600	71	NL	13	mg/kg	NT	NT	NT	1.9	0.361 J	NT
Bromophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.0256	<0.125	NT
Butyl benzyl phthalate	NL	16000	530	NL	13	mg/kg	NT	NT	NT	<0.0232	<0.113	NT
Chloro-3-methylphenol, 4-	NL	8000	NL	NL	NL	mg/kg	NT	NT	NT	<0.0107	<0.0524	NT
Chloronaphthalene, 2-	NL	6400	NL	NL	NL	mg/kg	NT	NT	NT	<0.0144	<0.0702	NT
Chlorophenol, 2-	NL	400	NL	NL	0.47	mg/kg	NT	NT	NT	<0.0187	<0.0913	NT
Chlorophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.0141	<0.0689	NT
Chrysene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.0125	<0.061	NT
Dibenz-a,h-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.0185	<0.0902	NT
Dichlorobenzidine, 3,3-	NL	NL	2.2	NL	0.0036	mg/kg	NT	NT	NT	<0.179	<0.872	NT
Dichlorophenol, 2,4-	NL	240	NL	NL	0.17	mg/kg	NT	NT	NT	<0.0168	<0.0819	NT
Diethyl phthalate	NL	64000	NL	NL	72	mg/kg	NT	NT	NT	<0.0155	<0.0759	NT
Dimethyl phenol, 2,4-	NL	1600	NL	NL	1.3	mg/kg	NT	NT	NT	<0.106	<0.517	NT
Dimethylphthalate	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.0121	<0.0593	NT
Di-n-butyl phthalate	NL	8000	NL	200	57	mg/kg	NT	NT	NT	0.0703 J	<0.12	NT
Dinitro-2-methylphenol, 4,6-	NL	6.4	NL	NL	NL	mg/kg	NT	NT	NT	<0.279	<1.36	NT
Dinitrophenol, 2,4-	NL	160	NL	NL	0.13	mg/kg	NT	NT	NT	<0.22	<1.08	NT
Dinitrotoluene, 2,4-	NL	160	3.2	NL	0.0017	mg/kg	NT	NT	NT	<0.0137	<0.0667	NT
Dinitrotoluene, 2,6-	NL	24	0.67	NL	0.00031	mg/kg	NT	NT	NT	<0.0166	<0.0809	NT
Di-n-octyl phthalate	NL	800	NL	NL	270000	mg/kg	NT	NT	NT	<0.0204	<0.0996	NT
Fluoranthene	NL	3200	NL	NL	630	mg/kg	NT	NT	NT	0.0272 J	<0.0545	NT
Fluorene	NL	3200	NL	NL	100	mg/kg	NT	NT	NT	<0.0153	<0.0749	NT
Hexachlorobenzene	NL	64	0.63	31	0.88	mg/kg	NT	NT	NT	<0.0193	<0.094	NT
Hexachlorocyclopentadiene	NL	480	NL	NL	190	mg/kg	NT	NT	NT	<0.132	<0.645	NT
Hexachloroethane	NL	56	25	NL	0.043	mg/kg	NT	NT	NT	<0.0301	<0.147	NT
Indeno-1,2,3-cd-pyrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.0174	<0.0848	NT
Isophorone	NL	16000	1100	NL	0.23	mg/kg	NT	NT	NT	<0.0117	<0.0573	NT
Naphthalene	5	1600	NL	NL	4.5	mg/kg	NT	NT	NT	<0.02	<0.0976	NT
Nitrobenzene	NL	160	NL	NL	0.1	mg/kg	NT	NT	NT	<0.0156	<0.0763	NT
Nitrophenol, 2-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.0292	<0.143	NT
Nitrophenol, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.118	<0.577	NT
Nitrosodimethylamine, N-	NL	0.64	0.02	NL	NL	mg/kg	NT	NT	NT	<0.146	<0.711	NT
Nitrosodi-n-propylamine, N-	NL	NL	0.14	NL	0.000056	mg/kg	NT	NT	NT	<0.0204	<0.0995	NT
Nitrosodiphenylamine, N-	NL	NL	200	NL	0.53	mg/kg	NT	NT	NT	<0.202	<0.988	NT
Pentachlorophenol	NL	400	2.5	11	0.016	mg/kg	NT	NT	NT	<0.108	<0.527	NT
Phenanthrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	0.0458 J	<0.058	NT
Phenol	NL	24000	NL	NL	11	mg/kg	NT	NT	NT	0.0332 J	<0.0763	NT
Pyrene	NL	2400	NL	NL	650	mg/kg	NT	NT	NT	0.0493 J	<0.135	NT
Trichlorophenol, 2,4,6-	NL	80	91	NL	0.046	mg/kg						

Table # 3
SOIL ANALYTICAL RESULTS - SUMP REMOVAL SAMPLES
Former Payless Auto Mart
Federal Way, WA
TGE Project No.: R13411.07

Station Name	Method A Direct Contact (January 2020)	Method B Non-Cancer Direct Contact (January 2020)	Method B Cancer Direct Contact (January 2020)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (January 2020)	Soil Protective of Groundwater Vadose at 13 Deg (January 2020)	Reporting Units	BAY 3 E SIDEWALL	BAY 3 N SIDEWALL	BAY 3 S SIDEWALL	BAY 3 SUMP BASE	BAY 3 SUMP 2 FT BELOW BASE	BAY 3 W SIDEWALL
Laboratory Identification							L1184753-12	L1184753-10	L1184753-11	L1184753-09 L1187323-05	L1187323-08	L1184753-13
Sample Date							1/29/2020	1/29/2020	1/29/2020	1/29/2020	1/29/2020	1/29/2020
Depth Range							5 ft	5 ft	5 ft	5 ft	7 FT	5 ft
Methyl isobutyl ketone	NL	6400	NL	NL	NL	mg/kg	<0.011	<0.0119	<0.0113	<0.0112	NT	<0.0132
Methylene bromide	NL	800	NL	NL	NL	mg/kg	<0.0011	<0.00119	<0.00113	<0.00112	NT	<0.00132
Methylene chloride	0.02	480	94	NL	0.021	mg/kg	<0.00731	<0.00793	<0.00753	<0.00747	NT	<0.00876
MTBE	0.1	NL	560	NL	0.10	mg/kg	<0.000325	<0.000352	<0.000335	0.000688 J	NT	<0.000389
Naphthalene	5	1600	NL	NL	4.5	mg/kg	<0.00343	<0.00373	<0.00354	0.0254	NT	0.00524 J
Propylbenzene, n-	NL	8000	NL	NL	NL	mg/kg	<0.0013	<0.00141	<0.00134	0.0155	NT	0.00182 J
Styrene	NL	16000	NL	NL	2.2	mg/kg	<0.003	<0.00326	<0.0031	<0.00307	NT	<0.0036
Tetrachloroethane, 1,1,1,2-	NL	2400	38	NL	NL	mg/kg	<0.00055	<0.000597	<0.000567	<0.000562	NT	<0.00066
Tetrachloroethane, 1,1,2,2-	NL	1600	5	NL	0.0012	mg/kg	<0.000429	<0.000466	<0.000442	<0.000439	NT	<0.000515
Tetrachloroethylene	0.05	480	480	NL	0.05	mg/kg	<0.00077	0.001190 J	0.00287	0.001660 J	NT	0.003070 J
Toluene	7	6400	NL	NL	4.5	mg/kg	0.00616	0.00296 J	0.00888	0.0439	NT	0.0114
Trichloro-1,2,2-trifluoroethane, 1,1,2-	NL	2400000	NL	NL	NL	mg/kg	<0.000743	<0.000806	<0.000765	<0.000759	NT	<0.000891
Trichlorobenzene, 1,2,3-	NL	NL	NL	NL	NL	mg/kg	<0.000688	<0.000747	<0.000709	<0.000703	NT	<0.000825
Trichlorobenzene, 1,2,4-	NL	800	34	NL	0.56	mg/kg	<0.00531	<0.00576	<0.00547	<0.00542	<0.0962	<0.00636
Trichloroethane, 1,1,1-	2	160000	NL	NL	1.5	mg/kg	<0.000303	<0.000328	<0.000312	<0.000309	NT	<0.000363
Trichloroethane, 1,1,2-	NL	320	18	NL	0.017	mg/kg	<0.000972	<0.00105	<0.001	<0.000993	NT	<0.00117
Trichloroethylene	0.03	40	12.00	NL	0.025	mg/kg	<0.00044	<0.000478	<0.000454	<0.00045	NT	<0.000528
Trichlorofluoromethane	NL	24000	NL	NL	NL	mg/kg	<0.00055	<0.000597	<0.000567	<0.000562	NT	<0.00066
Trichloropropane, 1,2,3-	NL	320	0.0063	NL	NL	mg/kg	<0.00561	<0.00609	<0.00578	<0.00574	NT	<0.00673
Trimethylbenzene, 1,2,3-	NL	800	NL	NL	NL	mg/kg	0.00322 J	<0.00137	0.0022 J	0.055	NT	0.00881
Trimethylbenzene, 1,2,4-	NL	800	NL	NL	NL	mg/kg	0.00603	0.00294 J	0.00366 J	0.15	NT	0.0267
Trimethylbenzene, 1,3,5-	NL	800	NL	NL	NL	mg/kg	0.00275 J	<0.00129	0.00183 J	0.0478	NT	0.0102
Vinyl chloride	NL	240	0.67	NL	0.0017	mg/kg	<0.000752	<0.000816	<0.000774	<0.000768	NT	<0.000901
Xylenes	NL	16000	9	NL	14	mg/kg	0.0101	<0.00571	0.01	0.0958	NT	0.0136

Table # 3
SOIL ANALYTICAL RESULTS - SUMP REMOVAL SAMPLES
Former Payless Auto Mart
Federal Way, WA
TGE Project No.: R13411.07

Station Name	Method A Direct Contact (January 2020)	Method B Non-Cancer Direct Contact (January 2020)	Method B Cancer Direct Contact (January 2020)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (January 2020)	Soil Protective of Groundwater Vadose at 13 Deg (January 2020)	Reporting Units	EXTERIOR SUMP	EXT SUMP	EXT SUMP	EXT SUMP	EXT SUMP
							BASE	E SIDEWALL	N SIDEWALL	S SIDEWALL	W SIDEWALL
Laboratory Identification							L1184753-14	L1184753-01	L1184753-15	L1184753-16 L1187323-06	L1184753-02
Sample Date							1/29/2020	1/29/2020	1/29/2020	1/29/2020	1/29/2020
Depth Range							3 ft	3 ft	3 ft	3 ft	3 ft
Hydrocarbon (NWTPHGx and NWTPHDx)											
Gasoline range organics (Benzene Present)	30	NL	NL	200	NL	mg/kg	-	-	-	-	-
Gasoline range organics (Benzene NonDetect)	100	NL	NL	200	NL	mg/kg	<0.995	<0.972	<0.984	<0.986	<0.98
Diesel range organics	2000	NL	NL	460	NL	mg/kg	<1.56	3.53 J	1.88 J	4.47 J	1.60 J
Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	<3.91	4.30 J	<3.87	12.3	<3.85
Metals (EPA Method 6010/7471)											
Arsenic	20	24	0.67	20	2.9	mg/kg	9.22	1.490 J	6.28	54.8	6.83
Barium	NL	16000	NL	1250	1600	mg/kg	48.5	49.9	53.2	132	48.8
Cadmium	2	80	NL	25	0.69	mg/kg	<0.0822	<0.0803	<0.0813	<0.0814	<0.0809
Lead	250	NL	NL	220	3000	mg/kg	4.11	24.9	4.31	50.7	6.76
Mercury	2	NL	NL	9	2.1	mg/kg	0.01410 J	0.02340 J	0.01230 J	0.02400 J	0.01400 J
Selenium	NL	400	NL	0.8	5.2	mg/kg	<0.728	<0.711	<0.72	<0.721	<0.717
Silver	NL	400	NL	NL	14	mg/kg	<0.141	<0.138	<0.139	<0.14	<0.139
Total Chromium	NL	NL	NL	42	NL	mg/kg	20.9	31.5	21.5	28.1	26
Chromium,Hexavalent	19	240	NL	NL	18.00	mg/kg	NT	NT	NT	NT	NT
Chromium,Trivalent	2000	120000	NL	NL	480000	mg/kg	NT	NT	NT	NT	NT
Other											
% Moisture	NL	NL	NL	NL	NL	%	85.2	87.2	86.1	86	86.5
SVOCs (EPA Method 8270)											
Acenaphthene	NL	4800	NL	NL	98	mg/kg	NT	NT	NT	<0.00747	NT
Acenaphthylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00781	NT
Anthracene	NL	24000	NL	NL	2300	mg/kg	NT	NT	NT	<0.00735	NT
Benz-a-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00498	NT
Benzidine	NL	240	0.0043	NL	NL	mg/kg	NT	NT	NT	<0.0741	NT
Benzo-a-pyrene	0.1	24	0.19	30	3.9	mg/kg	NT	NT	NT	<0.00638	NT
Benzo-b-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00809	NT
Benzo-g,h,i-perylene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00839	NT
Benzo-k-fluoranthene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00677	NT
Bis (2-chloroethoxy) methane	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00896	NT
Bis (2-chloroethyl) ether	NL	NL	0.91	NL	0.00022	mg/kg	NT	NT	NT	<0.0104	NT
Bis (2-ethyl-hexyl) phthalate	NL	1600	71	NL	13	mg/kg	NT	NT	NT	0.0283 J	NT
Bromophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.0133	NT
Butyl benzyl phthalate	NL	16000	530	NL	13	mg/kg	NT	NT	NT	<0.012	NT
Chloro-3-methylphenol, 4-	NL	8000	NL	NL	NL	mg/kg	NT	NT	NT	<0.00555	NT
Chloronaphthalene, 2-	NL	6400	NL	NL	NL	mg/kg	NT	NT	NT	<0.00743	NT
Chlorophenol, 2-	NL	400	NL	NL	0.47	mg/kg	NT	NT	NT	<0.00967	NT
Chlorophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00729	NT
Chrysene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00646	NT
Dibenz-a,h-anthracene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00955	NT
Dichlorobenzidine, 3,3-	NL	NL	2.2	NL	0.0036	mg/kg	NT	NT	NT	<0.0924	NT
Dichlorophenol, 2,4-	NL	240	NL	NL	0.17	mg/kg	NT	NT	NT	<0.00868	NT
Diethyl phthalate	NL	64000	NL	NL	72	mg/kg	NT	NT	NT	<0.00804	NT
Dimethyl phenol, 2,4-	NL	1600	NL	NL	1.3	mg/kg	NT	NT	NT	<0.0548	NT
Dimethylphthalate	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00628	NT
Di-n-butyl phthalate	NL	8000	NL	200	57	mg/kg	NT	NT	NT	<0.0127	NT
Dinitro-2-methylphenol, 4,6-	NL	6.4	NL	NL	NL	mg/kg	NT	NT	NT	<0.144	NT
Dinitrophenol, 2,4-	NL	160	NL	NL	0.13	mg/kg	NT	NT	NT	<0.114	NT
Dinitrotoluene, 2,4-	NL	160	3.2	NL	0.0017	mg/kg	NT	NT	NT	<0.00706	NT
Dinitrotoluene, 2,6-	NL	24	0.67	NL	0.00031	mg/kg	NT	NT	NT	<0.00857	NT
Di-n-octyl phthalate	NL	800	NL	NL	270000	mg/kg	NT	NT	NT	<0.0106	NT
Fluoranthene	NL	3200	NL	NL	630	mg/kg	NT	NT	NT	<0.00577	NT
Fluorene	NL	3200	NL	NL	100	mg/kg	NT	NT	NT	<0.00793	NT
Hexachlorobenzene	NL	64	0.63	31	0.88	mg/kg	NT	NT	NT	<0.00996	NT
Hexachlorocyclopentadiene	NL	480	NL	NL	190	mg/kg	NT	NT	NT	<0.0683	NT
Hexachloroethane	NL	56	25	NL	0.043	mg/kg	NT	NT	NT	<0.0156	NT
Indeno-1,2,3-cd-pyrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00898	NT
Isophorone	NL	16000	1100	NL	0.23	mg/kg	NT	NT	NT	<0.00607	NT
Naphthalene	5	1600	NL	NL	4.5	mg/kg	NT	NT	NT	<0.0103	NT
Nitrobenzene	NL	160	NL	NL	0.1	mg/kg	NT	NT	NT	<0.00809	NT
Nitrophenol, 2-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.0151	NT
Nitrophenol, 4-	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.0611	NT
Nitrosodimethylamine, N-	NL	0.64	0.02	NL	NL	mg/kg	NT	NT	NT	<0.0753	NT
Nitrosodi-n-propylamine, N-	NL	NL	0.14	NL	0.000056	mg/kg	NT	NT	NT	<0.0105	NT
Nitrosodiphenylamine, N-	NL	NL	200	NL	0.53	mg/kg	NT	NT	NT	<0.105	NT
Pentachlorophenol	NL	400	2.5	11	0.016	mg/kg	NT	NT	NT	<0.0558	NT
Phenanthrene	NL	NL	NL	NL	NL	mg/kg	NT	NT	NT	<0.00614	NT
Phenol	NL	24000	NL	NL	11	mg/kg	NT	NT	NT	<0.00809	NT
Pyrene	NL	2400	NL	NL	650	mg/kg	NT	NT	NT	<0.0143	NT
Trichlorophenol, 2,4,6-	NL	80	91	NL	0.046	mg/kg	NT	NT	NT	<0.00906	NT
VOAs (EPA Method 8260)											
Acetone	NL	72000	NL	NL	25	mg/kg	<0.0161	<0.0157	<0.0159	<0.0159	<0.0158
Acrylonitrile	NL	NL	1.9	NL	NL	mg/kg	<0.00223	<0.00218	<0.00221	<0.00221	<0.0022
Benzene	0.03	320	18	NL	0.027	mg/kg	<0.00047	<0.000459	<0.000465	<0.000465	<0.000462
Bromobenzene	NL	640	NL	NL	0.56	mg/kg	<0.00123	<0.0012	<0.00122	<0.00122	<0.00121
Bromodichloromethane	NL	1600	16								

Table # 3
SOIL ANALYTICAL RESULTS - SUMP REMOVAL SAMPLES
Former Payless Auto Mart
Federal Way, WA
TGE Project No.: R13411.07R13411.07

Station Name	Method A Direct Contact (January 2020)	Method B Non-Cancer Direct Contact (January 2020)	Method B Cancer Direct Contact (January 2020)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (January 2020)	Soil Protective of Groundwater Vadose at 13 Deg (January 2020)	Reporting Units	EXTERIOR SUMP BASE	EXT SUMP E SIDEWALL	EXT SUMP N SIDEWALL	EXT SUMP S SIDEWALL	EXT SUMP W SIDEWALL
Laboratory Identification							L1184753-14	L1184753-01	L1184753-15	L1184753-16 L1187323-06	L1184753-02
Sample Date							1/29/2020	1/29/2020	1/29/2020	1/29/2020	1/29/2020
Depth Range							3 ft	3 ft	3 ft	3 ft	3 ft
Ethylene dibromide	0.005	720	0.5	NL	0.00027	mg/kg	<0.000616	<0.000602	<0.00061	<0.000611	<0.000607
Hexachlorobutadiene	NL	80	13.00	NL	0.60	mg/kg	<0.0149	<0.0146	<0.0148	<0.0148	<0.0147
Methyl ethyl ketone	NL	48000	NL	NL	NL	mg/kg	<0.0147	<0.0143	<0.0145	<0.0145	<0.0145
Methyl isobutyl ketone	NL	6400	NL	NL	NL	mg/kg	<0.0117	<0.0115	<0.0116	<0.0116	<0.0116
Methylene bromide	NL	800	NL	NL	NL	mg/kg	<0.00117	<0.00115	<0.00116	<0.00116	<0.00116
Methylene chloride	0.02	480	94	NL	0.021	mg/kg	<0.0078	<0.00761	<0.00771	<0.00773	<0.00768
MTBE	0.1	NL	560	NL	0.10	mg/kg	<0.000346	<0.000338	<0.000343	<0.000343	<0.000341
Naphthalene	5	1600	NL	NL	4.5	mg/kg	<0.00366	<0.00358	<0.00362	<0.00363	<0.00361
Propylbenzene, n-	NL	8000	NL	NL	NL	mg/kg	<0.00139	<0.00135	<0.00137	<0.00137	<0.00136
Styrene	NL	16000	NL	NL	2.2	mg/kg	<0.00321	<0.00313	<0.00317	<0.00318	<0.00316
Tetrachloroethane, 1,1,1,2-	NL	2400	38	NL	NL	mg/kg	<0.000587	<0.000573	<0.000581	<0.000582	<0.000578
Tetrachloroethane, 1,1,2,2-	NL	1600	5	NL	0.0012	mg/kg	<0.000458	<0.000447	<0.000453	<0.000454	<0.000451
Tetrachloroethylene	0.05	480	480	NL	0.05	mg/kg	<0.000822	<0.000803	<0.000813	<0.000814	<0.000809
Toluene	7	6400	NL	NL	4.5	mg/kg	0.00209 J	0.00188 J	<0.00145	0.00168 J	<0.00145
Trichloro-1,2,2-trifluoroethane, 1,1,2-	NL	2400000	NL	NL	NL	mg/kg	<0.000793	<0.000774	<0.000784	<0.000785	<0.00078
Trichlorobenzene, 1,2,3-	NL	NL	NL	NL	NL	mg/kg	<0.000734	<0.000717	<0.000726	<0.000727	<0.000723
Trichlorobenzene, 1,2,4-	NL	800	34	NL	0.56	mg/kg	<0.00566	<0.00553	<0.0056	<0.00561	<0.00557
Trichloroethane, 1,1,1-	2	160000	NL	NL	1.5	mg/kg	<0.000323	<0.000315	<0.000319	<0.00032	<0.000318
Trichloroethane, 1,1,2-	NL	320	18	NL	0.017	mg/kg	<0.00104	<0.00101	<0.00103	<0.00103	<0.00102
Trichloroethylene	0.03	40	12.00	NL	0.025	mg/kg	<0.00047	<0.000459	<0.000465	<0.000465	<0.000462
Trichlorofluoromethane	NL	24000	NL	NL	NL	mg/kg	<0.000587	<0.000573	<0.000581	<0.000582	<0.000578
Trichloropropane, 1,2,3-	NL	320	0.0063	NL	NL	mg/kg	<0.00599	<0.00585	<0.00592	<0.00593	<0.0059
Trimethylbenzene, 1,2,3-	NL	800	NL	NL	NL	mg/kg	<0.00135	<0.00132	<0.00134	<0.00134	<0.00133
Trimethylbenzene, 1,2,4-	NL	800	NL	NL	NL	mg/kg	<0.00136	<0.00133	<0.00135	<0.00135	<0.00134
Trimethylbenzene, 1,3,5-	NL	800	NL	NL	NL	mg/kg	<0.00127	<0.00124	<0.00125	<0.00126	<0.00125
Vinyl chloride	NL	240	0.67	NL	0.0017	mg/kg	<0.000802	<0.000783	<0.000793	<0.000795	<0.00079
Xylenes	NL	16000	9	NL	14	mg/kg	<0.00561	<0.00548	<0.00555	<0.00556	<0.00553

Table # 3
SOIL ANALYTICAL RESULTS - SUMP REMOVAL SAMPLES
Former Payless Auto Mart
Federal Way, WA
TGE Project No.: R13411.07

Station Name	Method A Direct Contact (January 2020)	Method B Non-Cancer Direct Contact (January 2020)	Method B Cancer Direct Contact (January 2020)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (January 2020)	Soil Protective of Groundwater Vadose at 13 Deg (January 2020)	Reporting Units	SUMP LINE MIDPOINT	SUMP LINE MIDPOINT 2' BELOW BASE	BAY 4 SUMP LINE END
Laboratory Identification							L1184715-01 L1187323-01 L1190051-01	L1187323-07	L1184753-08
Sample Date							1/30/2020		1/30/2020
Depth Range							1 ft	3 ft	1 ft
Hydrocarbon (NWTPHGx and NWTPHDx)									
Gasoline range organics (Benzene Present)	30	NL	NL	200	NL	mg/kg	-	NT	-
Gasoline range organics (Benzene NonDetect)	100	NL	NL	200	NL	mg/kg	6.56 B	NT	1.110 J
Diesel range organics	2000	NL	NL	460	NL	mg/kg	60.7	NT	50.6
Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	190	NT	151
Metals (EPA Method 6010/7471)									
Arsenic	20	24	0.67	20	2.9	mg/kg	8.24	NT	3.01
Barium	NL	16000	NL	1250	1600	mg/kg	163	NT	121
Cadmium	2	80	NL	25	0.69	mg/kg	0.521 J	0.299 J	<0.0766
Lead	250	NL	NL	220	3000	mg/kg	94.5	NT	7.09
Mercury	2	NL	NL	9	2.1	mg/kg	0.162	NT	0.02590 J
Selenium	NL	400	NL	0.8	5.2	mg/kg	0.521 J	0.299 J	<0.679
Silver	NL	400	NL	NL	14	mg/kg	<0.184	NT	<0.131
Total Chromium	NL	NL	NL	42	NL	mg/kg	52.8	13	31.9
Chromium,Hexavalent	19	240	NL	NL	18.00	mg/kg	<0.983	NT	NT
Chromium,Trivalent	2000	120000	NL	NL	480000	mg/kg	52.8	NT	NT
Other									
% Moisture	NL	NL	NL	NL	NL	%	65.1	94.3	91.3
SVOCs (EPA Method 8270)									
Acenaphthene	NL	4800	NL	NL	98	mg/kg	<0.0493	NT	NT
Acenaphthylene	NL	NL	NL	NL	NL	mg/kg	<0.0515	NT	NT
Anthracene	NL	24000	NL	NL	2300	mg/kg	<0.0485	NT	NT
Benz-a-anthracene	NL	NL	NL	NL	NL	mg/kg	0.0381 J	NT	NT
Benzidine	NL	240	0.0043	NL	NL	mg/kg	<0.489	NT	NT
Benzo-a-pyrene	0.1	24	0.19	30	3.9	mg/kg	0.0456 J	NT	NT
Benzo-b-fluoranthene	NL	NL	NL	NL	NL	mg/kg	0.0825 J	NT	NT
Benzo-g,h,i-perylene	NL	NL	NL	NL	NL	mg/kg	<0.0554	NT	NT
Benzo-k-fluoranthene	NL	NL	NL	NL	NL	mg/kg	<0.0447	NT	NT
Bis (2-chloroethoxy) methane	NL	NL	NL	NL	NL	mg/kg	<0.0591	NT	NT
Bis (2-chloroethyl) ether	NL	NL	0.91	NL	0.00022	mg/kg	<0.0688	NT	NT
Bis (2-ethyl-hexyl) phthalate	NL	1600	71	NL	13	mg/kg	0.537 J	NT	NT
Bromophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	<0.0875	NT	NT
Butyl benzyl phthalate	NL	16000	530	NL	13	mg/kg	<0.0791	NT	NT
Chloro-3-methylphenol, 4-	NL	8000	NL	NL	NL	mg/kg	<0.0366	NT	NT
Chloronaphthalene, 2-	NL	6400	NL	NL	NL	mg/kg	<0.0491	NT	NT
Chlorophenol, 2-	NL	400	NL	NL	0.47	mg/kg	<0.0638	NT	NT
Chlorophenyl phenylether, 4-	NL	NL	NL	NL	NL	mg/kg	<0.0481	NT	NT
Chrysene	NL	NL	NL	NL	NL	mg/kg	0.0576 J	NT	NT
Dibenz-a,h-anthracene	NL	NL	NL	NL	NL	mg/kg	<0.063	NT	NT
Dichlorobenzidine, 3,3-	NL	NL	2.2	NL	0.0036	mg/kg	<0.61	NT	NT
Dichlorophenol, 2,4-	NL	240	NL	NL	0.17	mg/kg	<0.0573	NT	NT
Diethyl phthalate	NL	64000	NL	NL	72	mg/kg	<0.0531	NT	NT
Dimethyl phenol, 2,4-	NL	1600	NL	NL	1.3	mg/kg	<0.362	NT	NT
Dimethylphthalate	NL	NL	NL	NL	NL	mg/kg	<0.0415	NT	NT
Di-n-butyl phthalate	NL	8000	NL	200	57	mg/kg	<0.0837	NT	NT
Dinitro-2-methylphenol, 4,6-	NL	6.4	NL	NL	NL	mg/kg	<0.952	NT	NT
Dinitrophenol, 2,4-	NL	160	NL	NL	0.13	mg/kg	<0.752	NT	NT
Dinitrotoluene, 2,4-	NL	160	3.2	NL	0.0017	mg/kg	<0.0466	NT	NT
Dinitrotoluene, 2,6-	NL	24	0.67	NL	0.00031	mg/kg	<0.0566	NT	NT
Di-n-octyl phthalate	NL	800	NL	NL	270000	mg/kg	<0.0696	NT	NT
Fluoranthene	NL	3200	NL	NL	630	mg/kg	0.0865 J	NT	NT
Fluorene	NL	3200	NL	NL	100	mg/kg	<0.0524	NT	NT
Hexachlorobenzene	NL	64	0.63	31	0.88	mg/kg	<0.0657	NT	NT
Hexachlorocyclopentadiene	NL	480	NL	NL	190	mg/kg	<0.451	NT	NT
Hexachloroethane	NL	56	25	NL	0.043	mg/kg	<0.103	NT	NT
Indeno-1,2,3-cd-pyrene	NL	NL	NL	NL	NL	mg/kg	<0.0593	NT	NT
Isophorone	NL	16000	1100	NL	0.23	mg/kg	<0.0401	NT	NT
Naphthalene	5	1600	NL	NL	4.5	mg/kg	<0.0683	NT	NT
Nitrobenzene	NL	160	NL	NL	0.1	mg/kg	<0.0534	NT	NT
Nitrophenol, 2-	NL	NL	NL	NL	NL	mg/kg	<0.0998	NT	NT
Nitrophenol, 4-	NL	NL	NL	NL	NL	mg/kg	<0.403	NT	NT
Nitrosodimethylamine, N-	NL	0.64	0.02	NL	NL	mg/kg	<0.497	NT	NT
Nitrosodi-n-propylamine, N-	NL	NL	0.14	NL	0.000056	mg/kg	<0.0696	NT	NT
Nitrosodiphenylamine, N-	NL	NL	200	NL	0.53	mg/kg	<0.691	NT	NT
Pentachlorophenol	NL	400	2.5	11	0.016	mg/kg	<0.369	NT	NT
Phenanthrene	NL	NL	NL	NL	NL	mg/kg	0.0666 J	NT	NT
Phenol	NL	24000	NL	NL	11	mg/kg	0.103 J	NT	NT
Pyrene	NL	2400	NL	NL	650	mg/kg	<0.0944	NT	NT
Trichlorophenol, 2,4,6-	NL	80	91	NL	0.046	mg/kg	<0.0598	NT	NT
VOAs (EPA Method 8260)									
Acetone	NL	72000	NL	NL	25	mg/kg	<0.0606	NT	<0.015
Acrylonitrile	NL	NL	1.9	NL	NL	mg/kg	<0.0084	NT	<0.00208
Benzene	0.03	320	18	NL	0.027	mg/kg	<0.00177	NT	<0.000438
Bromobenzene	NL	640	NL	NL	0.56	mg/kg	<0.00464	NT	<0.00115
Bromodichloromethane	NL	1600	16	NL	0.036	mg/kg	<0.00348	NT	<0.000863
Bromoform	NL	1600	130	NL	0.36	mg/kg	<0.0264	NT	<0.00655
Bromomethane	NL	110	NL	NL	0.05	mg/kg	<0.0164	NT	<0.00405
Butylbenzene, n-	NL	4000	NL	NL	NL	mg/kg	<0.017	NT	<0.0042
Butylbenzene, sec-	NL	8000	NL	NL	NL	mg/kg	<0.0112	NT	<0.00277
Butylbenzene, tert-	NL	8000	NL	NL	NL	mg/kg	<0.00685	NT	<0.0017
Carbon tetrachloride	NL	320	14	NL	0.42	mg/kg	<0.00478	NT	<0.00118
Chlorobenzene	NL	1600	NL	NL	0.86	mg/kg	<0.00253	NT	<0.000627
Chloroethane	NL	NL	NL	NL	NL	mg/kg	<0.00478	NT	<0.00118
Chloroform	NL	800	32	NL	0.074	mg/kg	<0.00184	NT	<0.000454
Chloromethane	NL	NL	NL	NL	NL	mg/kg	<0.00615	NT	<0.00152
Chlorotoluene, o-	NL	1600	NL	NL	NL	mg/kg	<0.00407	NT	<0.00101
Chlorotoluene, p-	NL	NL	NL	NL	NL	mg/kg	<0.005	NT	<0.00124
Cumene	NL	8000	NL	NL	NL	mg/kg	<0.00382	NT	<0.000945
Cymene	NL	NL	NL	NL	NL	mg/kg	<0.0103	NT	<0.00255
Dibromo-3-chloropropane, 1,2-	NL	16	1.3	NL	NL	mg/kg	<0.0226	NT	<0.00558
Dibromochloromethane	NL	1600	12	NL	0.028	mg/kg	<0.00199	NT	<0.000493
Dichlorobenzene, 1,2-	NL	7200	NL	NL	7	mg/kg	<0.00641	NT	<0.00159
Dichlorobenzene, 1,3-	NL	NL	NL	NL	NL	mg/kg	<0.00752	NT	<0.00186
Dichlorobenzene, 1,4-	NL	5600	190	NL	1.2	mg/kg	<0.00871	NT	<0.00216
Dichlorodifluoromethane	NL	16000	NL	NL	NL	mg/kg	<0.00362	NT	<0.000896
Dichloroethane, 1,1-	NL	16000	180	NL	0.041	mg/kg	<0.00254	NT	<0.00063
Dichloroethane, 1,2-	NL	480	11	NL	0.023	mg/kg	<0.0021	NT	<0.00052
Dichloroethylene, 1,1-	NL	4000	NL	NL	0.046	mg/kg	<0.00221	NT	<0.000547
Dichloroethylene, cis-1,2-	NL	160	NL	NL	0.078	mg/kg	<0.00305	NT	<0.000755

Table # 3
SOIL ANALYTICAL RESULTS - SUMP REMOVAL SAMPLES
Former Payless Auto Mart
Federal Way, WA
TGE Project No.: R13411.07

Station Name	Method A Direct Contact (January 2020)	Method B Non-Cancer Direct Contact (January 2020)	Method B Cancer Direct Contact (January 2020)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (January 2020)	Soil Protective of Groundwater Vadose at 13 Deg (January 2020)	Reporting Units	SUMP LINE MIDPOINT	SUMP LINE MIDPOINT 2' BELOW BASE	BAY 4 SUMP LINE END
Laboratory Identification							L1184715-01 L1187323-01 L1190051-01	L1187323-07	L1184753-08
Sample Date							1/30/2020		1/30/2020
Depth Range							1 ft	3 ft	1 ft
Dichloroethylene, trans-1,2	NL	1600	NL	NL	0.52	mg/kg	<0.00632	NT	<0.00157
Dichloropropane, 1,2-	NL	3200	27	NL	0.025	mg/kg	<0.00562	NT	<0.00139
Dichloropropane, 1,3-	NL	NL	NL	NL	NL	mg/kg	<0.00774	NT	<0.00192
Dichloropropane, 2,2-	NL	NL	NL	NL	NL	mg/kg	<0.00351	NT	<0.000868
Dichloropropene, 1,1-	NL	NL	NL	NL	NL	mg/kg	<0.0031	NT	<0.000766
Dichloropropene, cis 1,3-	NL	NL	NL	NL	NL	mg/kg	<0.003	NT	<0.000742
Dichloropropene, trans 1,3-	NL	NL	NL	NL	NL	mg/kg	<0.00677	NT	<0.00168
Diisopropyl ether	NL	NL	NL	NL	NL	mg/kg	<0.00155	NT	<0.000383
Ethyl benzene	6	8000	NL	NL	5.9	mg/kg	<0.00234	NT	0.00113 J
Ethylene dibromide	0.005	720	0.5	NL	0.00027	mg/kg	<0.00232	NT	<0.000575
Hexachlorobutadiene	NL	80	13.00	NL	0.60	mg/kg	<0.0562	NT	<0.0139
Methyl ethyl ketone	NL	48000	NL	NL	NL	mg/kg	0.1410 B	NT	0.0258 B J
Methyl isobutyl ketone	NL	6400	NL	NL	NL	mg/kg	<0.0442	NT	<0.0109
Methylene bromide	NL	800	NL	NL	NL	mg/kg	<0.00442	NT	<0.00109
Methylene chloride	0.02	480	94	NL	0.021	mg/kg	<0.0294	NT	<0.00727
MTBE	0.1	NL	560	NL	0.10	mg/kg	<0.0013	NT	<0.000323
Naphthalene	5	1600	NL	NL	4.5	mg/kg	<0.0138	NT	<0.00342
Propylbenzene, n-	NL	8000	NL	NL	NL	mg/kg	<0.00522	NT	<0.00129
Styrene	NL	16000	NL	NL	2.2	mg/kg	0.0298 J	NT	0.00323 J
Tetrachloroethane, 1,1,1,2-	NL	2400	38	NL	NL	mg/kg	<0.00221	NT	<0.000547
Tetrachloroethane, 1,1,2,2-	NL	1600	5	NL	0.0012	mg/kg	<0.00172	NT	<0.000427
Tetrachloroethylene	0.05	480	480	NL	0.05	mg/kg	0.0055 J	NT	<0.000766
Toluene	7	6400	NL	NL	4.5	mg/kg	0.0349	NT	0.00303 J
Trichloro-1,2,2-trifluoroethane, 1,1,2-	NL	2400000	NL	NL	NL	mg/kg	<0.00299	NT	<0.000739
Trichlorobenzene, 1,2,3-	NL	NL	NL	NL	NL	mg/kg	<0.00276	NT	<0.000684
Trichlorobenzene, 1,2,4-	NL	800	34	NL	0.56	mg/kg	<0.0213	NT	<0.00528
Trichloroethane, 1,1,1-	2	160000	NL	NL	1.5	mg/kg	<0.00122	NT	<0.000301
Trichloroethane, 1,1,2-	NL	320	18	NL	0.017	mg/kg	<0.0039	NT	<0.000967
Trichloroethylene	0.03	40	12.00	NL	0.025	mg/kg	<0.00177	NT	<0.000438
Trichlorofluoromethane	NL	24000	NL	NL	NL	mg/kg	<0.00221	NT	<0.000547
Trichloropropane, 1,2,3-	NL	320	0.0063	NL	NL	mg/kg	<0.0226	NT	<0.00558
Trimethylbenzene, 1,2,3-	NL	800	NL	NL	NL	mg/kg	<0.00509	NT	<0.00126
Trimethylbenzene, 1,2,4-	NL	800	NL	NL	NL	mg/kg	0.00995 B J	NT	0.00164 J
Trimethylbenzene, 1,3,5-	NL	800	NL	NL	NL	mg/kg	0.00487 J	NT	<0.00118
Vinyl chloride	NL	240	0.67	NL	0.0017	mg/kg	<0.00302	NT	<0.000748
Xylenes	NL	16000	9	NL	14	mg/kg	0.0412	NT	<0.00523

Notes:

16.60	Concentrations in blue indicate levels above method detection limits yet below Washington Department of Ecology (Ecology) screening level(s)
NL	No Limit Established
mg/kg	Milligrams per kilogram (parts per million)
T8	Sample analyzed outside of hold time
J	Analyte is an estimated value between the Reporting Limit (RL) and Method Detection Limit (MDL) (for organics
*	Result Exceeds the Washington Department of Ecology Method B Direct Contact cancer assessment level. This screening level is used upon demonstration that Site groundwater is not impacted.
	Result Exceeds the Washington Department of Ecology Priority Contaminants of Concern for Sites that Qualify for the Simplified Terrestrial Ecological Evaluation Procedure as defined within Table 749-2 of the Model Toxics Control Act [MTCA] Regulation and Statute.
	Result Exceeds the Washington Department of Ecology Method A Direct Contact and/or soil leaching assessment level
	Result Exceeds the Washington Department of Ecology Soil Protective of Groundwater Vadose at 13 Deg assessment level.

Table # 4
SOIL ANALYTICAL RESULTS - CONFIRMATION SOIL SAMPLES
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (January 2020)	Reporting Units	B1	B1-1	B1-1	B1-2	B1-2	B1-3
Laboratory Identification							S. SIDEWALL	CENTER	W. SIDEWALL	CENTER	W. SIDEWALL	CENTER
Sample Date							L1201106-07	L1201106-08	L1201106-09	L1201106-10	L1201106-11	L1201106-12
Depth Range							3/19/2020	3/19/2020	3/19/2020	3/19/2020	3/19/2020	3/19/2020
	1.5 ft	2 ft	1.5 ft	2 ft	1.5 ft	2 ft						
Hydrocarbon (NWTPHGx and NWTPHDx)												
Gasoline range organics (Benzene Present)	30	NL	NL	200	NL	mg/kg	NT	NT	NT	NT	NT	NT
Gasoline range organics (Benzene NonDetect)	100	NL	NL	200	NL	mg/kg	NT	NT	NT	NT	NT	NT
Diesel range organics	2000	NL	NL	460	NL	mg/kg	<1.46	<1.41	65.2	<1.39	2.22 J	<14.1
Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	5.05 J	<3.53	113	<3.49	13.5	82.4 J
Total Diesel/Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	5.78	2.47	178.2	2.44	15.72	89.45
Metals (EPA Method 6010/7471)												
Arsenic	20	24	0.67	20	2.9	mg/kg	NT	NT	NT	NT	NT	NT
Cadmium	2	8	NL	25	0.69	mg/kg	NT	NT	NT	NT	NT	NT
Lead	250	NL	NL	220	3000	mg/kg	NT	NT	NT	NT	NT	NT
Total Chromium	NL	NL	NL	42	NL	mg/kg	NT	NT	NT	NT	NT	NT
Other												
% Moisture	NL	NL	NL	NL	NL	mg/kg	91.2	94.5	91.9	95.4	88.4	94

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	B1	B1		B1-4	B1-5
Laboratory Identification							N SIDEWALL	NE SIDEWALL		CENTER	CENTER
Sample Date							L1201473-02	L1201473-04	L1201933-04	L1201473-01	L1201473-03
Depth Range							3/20/2020	3/20/2020	3/23/2020	3/20/2020	3/20/2020
	5 ft	2 ft	5 ft	2 ft	2 ft						
Hydrocarbon (NWTPHGx and NWTPHDx)											
Gasoline range organics (Benzene Present)	30	NL	NL	200	NL	mg/kg	NT	NT	NT	NT	NT
Gasoline range organics (Benzene NonDetect)	100	NL	NL	200	NL	mg/kg	NT	NT	NT	NT	NT
Diesel range organics	2000	NL	NL	460	NL	mg/kg	<1.5	820	NT	3.96 J	53.8
Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	<3.75	1530	NT	14.9	174
Total Diesel/Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	2.625	2350	NT	18.86	227.8
Metals (EPA Method 6010/7471)											
Arsenic	20	24	0.67	20	2.9	mg/kg	1.29 J	31.2	<0.552	NT	NT
Cadmium	2	8	NL	25	0.69	mg/kg	NT	NT	NT	NT	NT
Lead	250	NL	NL	220	3000	mg/kg	NT	NT	<1.6	NT	NT
Total Chromium	NL	NL	NL	42	NL	mg/kg	NT	NT	<4	NT	NT
Other											
% Moisture	NL	NL	NL	NL	NL	mg/kg	88.9	95.8	83.3	93.1	91.5

Table # 4
SOIL ANALYTICAL RESULTS - CONFIRMATION SOIL SAMPLES
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	B2 CENTER	B2 W. SIDEWALL	BAY 1 E SIDEWALL	BAY 1 N SIDEWALL	BAY 1 S SIDEWALL	BAY 1 SUMP BASE	BAY 1 W SIDEWALL
Laboratory Identification							L1201106-13	L1201106-14	L1201106-23	L1201106-22	L1201106-21	L1201106-24	L1201106-20
Sample Date							3/19/2020	3/19/2020	3/19/2020	3/19/2020	3/19/2020	3/19/2020	3/19/2020
Depth Range							4 ft	3 ft	7 ft	7 ft	7 ft	7 ft	7 ft
Hydrocarbon (NWTPHGx and NWTPHDx)													
Gasoline range organics (Benzene Present)	30	NL	NL	200	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT
Gasoline range organics (Benzene NonDetect)	100	NL	NL	200	NL	mg/kg	NT	NT	NT	NT	NT	NT	NT
Diesel range organics	2000	NL	NL	460	NL	mg/kg	26.5	<1.55	NT	NT	NT	NT	NT
Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	46.4	<3.88	NT	NT	NT	NT	NT
Total Diesel/Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	72.9	2.715	NT	NT	NT	NT	NT
Metals (EPA Method 6010/7471)													
Arsenic	20	24	0.67	20	2.9	mg/kg	NT	NT	<0.525	<0.516	<0.515	<0.488	<0.551
Cadmium	2	8	NL	25	0.69	mg/kg	NT	NT	NT	NT	NT	NT	NT
Lead	250	NL	NL	220	3000	mg/kg	NT	NT	0.675	9.97	0.566	1.16	0.815
Total Chromium	NL	NL	NL	42	NL	mg/kg	NT	NT	21.4	24	NT	16.7	NT
Other													
% Moisture	NL	NL	NL	NL	NL	mg/kg	85	85.8	87.7	89.1	89.2	94.2	83.5

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	BAY 3 SUMP BASE	BAY 3 SUMP E SIDEWALL	BAY 3 SUMP N SIDEWALL	BAY 3 SUMP S SIDEWALL	BAY 3 SUMP W SIDEWALL
Laboratory Identification							L1201106-05	L1201106-04	L1201106-02	L1201106-01	L1201106-03
Sample Date							3/19/2020	3/19/2020	3/19/2020	3/19/2020	3/19/2020
Depth Range							9 ft	9 ft	9 ft	9 ft	9 ft
Hydrocarbon (NWTPHGx and NWTPHDx)											
Gasoline range organics (Benzene Present)	30	NL	NL	200	NL	mg/kg	NT	NT	NT	NT	NT
Gasoline range organics (Benzene NonDetect)	100	NL	NL	200	NL	mg/kg	NT	NT	NT	NT	NT
Diesel range organics	2000	NL	NL	460	NL	mg/kg	<1.41	<1.4	<1.48	<1.43	<1.4
Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	<3.54	<3.52	<3.7	<3.58	<3.5
Total Diesel/Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	2.475	2.46	2.59	2.505	2.45
Metals (EPA Method 6010/7471)											
Arsenic	20	24	0.67	20	2.9	mg/kg	NT	NT	NT	NT	NT
Cadmium	2	8	NL	25	0.69	mg/kg	NT	NT	NT	NT	NT
Lead	250	NL	NL	220	3000	mg/kg	NT	NT	NT	NT	NT
Total Chromium	NL	NL	NL	42	NL	mg/kg	NT	NT	NT	NT	NT
Other											
% Moisture	NL	NL	NL	NL	NL	mg/kg	94.1	94.7	90	93.1	95.1

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	EXT SUMP BASE	EXT SUMP E SIDEWALL	EXT SUMP N SIDEWALL	EXT SUMP S SIDEWALL	EXT SUMP W SIDEWALL	SUMP LINE
Laboratory Identification							L1201106-19	L1201106-18	L1201106-16	L1201106-15	L1201106-17	L1201106-06
Sample Date							3/19/2020	3/19/2020	3/19/2020	3/19/2020	3/19/2020	3/19/2020
Depth Range							7 ft	7 ft	7 ft	7 ft	7 ft	3 ft
Hydrocarbon (NWTPHGx and NWTPHDx)												
Gasoline range organics (Benzene Present)	30	NL	NL	200	NL	mg/kg	NT	NT	NT	NT	NT	NT
Gasoline range organics (Benzene NonDetect)	100	NL	NL	200	NL	mg/kg	NT	NT	NT	NT	NT	NT
Diesel range organics	2000	NL	NL	460	NL	mg/kg	NT	NT	NT	NT	NT	2.55 J
Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	8.52 J
Total Diesel/Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	11.07
Metals (EPA Method 6010/7471)												
Arsenic	20	24	0.67	20	2.9	mg/kg	<0.532	<0.491	<0.504	<0.51	<0.502	
Cadmium	2	8	NL	25	0.69	mg/kg	NT	NT	NT	NT	NT	<0.0925
Lead	250	NL	NL	220	3000	mg/kg	0.534 J	1.26	0.835	1.06	0.565	
Total Chromium	NL	NL	NL	42	NL	mg/kg	NT	NT	NT	NT	NT	17
Other												
% Moisture	NL	NL	NL	NL	NL	mg/kg	86.4	93.7	91.3	90.1	91.6	75.7

Table # 4
SOIL ANALYTICAL RESULTS - CONFIRMATION SOIL SAMPLES
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	A1-1 CENTER	A1-1 N SIDEWALL	A1-1 E SIDEWALL	A1-1 W SIDEWALL	A1-2 CENTER	A1-2 W SIDEWALL	A1-2 E SIDEWALL
Laboratory Identification							L1201473-06	L1201933-03	L1201473-08	L1201473-05	L1201473-16	L1201473-07	L1201933-02
Sample Date							3/20/2020	3/23/2020	3/20/2020	3/20/2020	3/20/2020	3/20/2020	3/23/2020
Depth Range							2 ft	1.5 ft	2 ft	2 ft	1.5 ft	2 ft	1.5 ft

Metals (EPA Method 6010/7471)													
Arsenic	20	24	0.67	20	2.9	mg/kg	3.8	4.42	4.13	1.73 J	4.14	1.27 J	14.1
Other													
% Moisture	NL	NL	NL	NL	NL	mg/kg	89.9	90	92.9	94.3	91.4	88.8	91.9

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	A1-3 CENTER	A1-4 CENTER	A2-1 CENTER	A2-2 CENTER	A4 CENTER	A4 W SIDEWALL	A5-1 W SIDEWALL
Laboratory Identification							L1201473-17	L1201933-01	L1201473-20	L1201473-21	L1201473-18	L1201473-19	L1201473-11
Sample Date							3/20/2020	3/23/2020	3/20/2020	3/20/2020	3/20/2020	3/20/2020	3/20/2020
Depth Range							1.5 ft	2 ft	3 ft	3 ft	7 ft	6.5 ft	8 ft
Metals (EPA Method 6010/7471)													
Arsenic	20	24	0.67	20	2.9	mg/kg	3.9	4.14	7.03	9.58	1.22 J	1.73 J	1.09 J
Other													
% Moisture	NL	NL	NL	NL	NL	mg/kg	93.5	90.6	90.3	93.3	91.4	95	91.6

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB73	SB73	SB73	SB73	SB74	SB74	SB74
Laboratory Identification							580-98070-21	580-98070-22	580-98070-23	580-98070-24	580-98070-17	580-98070-18	580-98070-19
Sample Date							10/7/2020	10/7/2020	10/7/2020	10/7/2020	10/7/2020	10/7/2020	10/7/2020
Depth Range							0 - 1 ft	1 - 2 ft	2 - 3 ft	4 - 5 ft	0 - 1 ft	1 - 2 ft	2 - 3 ft
Metals (EPA Method 6010/7471)													
Arsenic	20	24	0.67	20	2.9	mg/kg	13	20	7.5	8.2	7.5	5.5	2.8
Other													
% Moisture	NL	NL	NL	NL	NL	mg/kg	6.6	6.5	6.1	6.2	5.3	6	4.8

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB74	SB75	SB75	SB75	SB75	SB76	SB76
Laboratory Identification							580-98070-20	580-98070-13	580-98070-14	580-98070-15	580-98070-16	580-98070-9	580-98070-10
Sample Date							10/7/2020	10/7/2020	10/7/2020	10/7/2020	10/7/2020	10/7/2020	10/7/2020
Depth Range							4 - 5 ft	0 - 1 ft	1 - 2 ft	2 - 3 ft	4 - 5 ft	0 - 1 ft	1 - 2 ft
Metals (EPA Method 6010/7471)													
Arsenic	20	24	0.67	20	2.9	mg/kg	10	9.9	9.7	5.4	3.9	21	14
Other													
% Moisture	NL	NL	NL	NL	NL	mg/kg	4.9	7.3	7.7	6.3	3.9	14.7	7.8

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB76	SB76	SB77	SB77	SB77	SB77
Laboratory Identification							580-98070-11	580-98070-12	580-98070-5	580-98070-6	580-98070-7	580-98070-8
Sample Date							10/7/2020	10/7/2020	10/7/2020	10/7/2020	10/7/2020	10/7/2020
Depth Range							2 - 3 ft	4 - 5 ft	0 - 1 ft	1 - 2 ft	2 - 3 ft	4 - 5 ft
Metals (EPA Method 6010/7471)												
Arsenic	20	24	0.67	20	2.9	mg/kg	2.6	2.5	13	9.2	7.5	4.9
Other												
% Moisture	NL	NL	NL	NL	NL	mg/kg	4.9	7.6	6.8	5.7	6.1	5.4

Table # 4
SOIL ANALYTICAL RESULTS - CONFIRMATION SOIL SAMPLES
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	SB78	SB78	SB78	SB78
Laboratory Identification							580-98070-1	580-98070-2	580-98070-3	580-98070-4
Sample Date							10/7/2020	10/7/2020	10/7/2020	10/7/2020
Depth Range							0 - 1 ft	1 - 2 ft	2 - 3 ft	4 - 5 ft
Metals (EPA Method 6010/7471)										
Arsenic	20	24	0.67	20	2.9	mg/kg	7.8	5	3.9	4
Other										
% Moisture	NL	NL	NL	NL	NL	mg/kg	4.7	5.6	6.1	6.3

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	A5-2 W SIDEWALL	A6 CENTER	A7 CENTER	A7 W SIDEWALL
Laboratory Identification							L1201473-12	L1201473-15	L1201473-13	L1201473-14
Sample Date							3/20/2020	3/20/2020	3/20/2020	3/20/2020
Depth Range							8 ft	6 ft	12 ft	11 ft
Metals (EPA Method 6010/7471)										
Arsenic	20	24	0.67	20	2.9	mg/kg	6.9	NT	NT	NT
Total Chromium	NL	NL	NL	42	NL	mg/kg	NT	13.9	NT	NT
Other										
% Moisture	NL	NL	NL	NL	NL	mg/kg	87.9	95.4	93.5	89.6
Organochlorine Pesticides										
Aldrin	NL	2.4	0.059	0.17	0.0025	mg/kg	NT	<0.00141	<0.00144	<0.00151
Chlordane	NL	NL	NL	1	NL	mg/kg	NT	<0.0409	<0.0417	<0.0435
DDD	NL	2.4	4.20	NL	NL	mg/kg	NT	<0.00163	<0.00167	<0.00174
DDE	NL	24	2.90	NL	0.45	mg/kg	NT	<0.00161	<0.00165	<0.00172
DDT	3	40.00	2.90	NL	3.5	mg/kg	NT	<0.0021	<0.00214	<0.00223
Dieldrin	NL	4	0.063	0.17	0.0028	mg/kg	NT	<0.00159	<0.00163	<0.0017
Endosulfan I	NL	NL	NL	NL	NL	mg/kg	NT	<0.00156	<0.00159	<0.00166
Endosulfan II	NL	NL	NL	NL	NL	mg/kg	NT	<0.00168	<0.00171	<0.00179
Endosulfan sulfate	NL	480	NL	NL	NL	mg/kg	NT	<0.00158	<0.00161	<0.00169
Endrin	NL	24	NL	0.4	NL	mg/kg	NT	<0.00164	<0.00168	<0.00175
Endrin aldehyde	NL	NL	NL	NL	NL	mg/kg	NT	<0.00135	<0.00138	<0.00144
Endrin ketone	NL	NL	NL	NL	NL	mg/kg	NT	<0.00173	<0.00176	<0.00184
Heptachlor	NL	40	0.22	NL	0.038	mg/kg	NT	<0.00161	<0.00165	<0.00172
Heptachlor epoxide	NL	1	0.11	NL	0.08	mg/kg	NT	<0.00169	<0.00172	<0.0018
Hexachlorocyclohexane, alpha	NL	640	0.16	NL	NL	mg/kg	NT	<0.00142	<0.00145	<0.00152
Hexachlorocyclohexane, beta	NL	NL	0.56	NL	NL	mg/kg	NT	<0.00168	<0.00171	<0.00179
Hexachlorocyclohexane, delta	NL	NL	0.56	NL	NL	mg/kg	NT	<0.0015	<0.00153	<0.0016
Methoxychlor	NL	400	NL	NL	NL	mg/kg	NT	<0.00152	<0.00155	<0.00162
Tetraethyl dithiopyrophosphate	NL	40	NL	NL	NL	mg/kg	NT	<0.00186	<0.0019	<0.00199
Toxaphene	NL	7.2	0.91	NL	NL	mg/kg	NT	<0.0377	<0.0385	<0.0402

Table # 4
SOIL ANALYTICAL RESULTS - CONFIRMATION SOIL SAMPLES
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	C1	C1	C1-1	C1	C1-2	C1-3
Laboratory Identification							S SIDEWALL	W SIDEWALL	CENTER	N SIDEWALL	CENTER	CENTER
Sample Date							L1202305-06	L1202305-09	L1202305-08	L1201933-10	L1201933-13	L1201933-09
Depth Range							3/24/2020	3/24/2020	3/24/2020	3/23/2020	3/23/2020	3/23/2020
	1.5 ft	1.5 ft	2 ft	1.5 ft	2 ft	2 ft						
Metals (EPA Method 6010/7471)												
Arsenic	20	24	0.67	20	2.9	mg/kg	NT	NT	NT	NT	NT	NT
Lead	250	NL	NL	220	3000	mg/kg	NT	NT	NT	NT	NT	NT
Total Chromium	NL	NL	NL	42	NL	mg/kg	NT	22	NT	NT	NT	NT
Hydrocarbon (NWTPHGx and NWTPHDx)												
Gasoline range organics (Benzene Present)	30	NL	NL	200	NL	mg/kg	NT	NT	NT	NT	NT	NT
Gasoline range organics (Benzene NonDetect)	100	NL	NL	200	NL	mg/kg	NT	NT	NT	NT	NT	NT
Diesel range organics	2000	NL	NL	460	NL	mg/kg	11.2	25.8	4.31	<14.7	14.3	80.5 J
Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	53.6	28.5	40.6	153	32.4	258
Total Diesel/Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	64.8	54.3	44.91	160.35	46.7	338.5
Other												
% Moisture	NL	NL	NL	NL	NL	mg/kg	84.7	92.3	94.7	90.6	88	91.1

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	C2	C2	C3	C3-1	C3-2	C3
Laboratory Identification							CENTER	S SIDEWALL	N SIDEWALL	CENTER	CENTER	E SIDEWALL
Sample Date							L1201933-11	L1201933-12	L1201933-08	L1201933-06	L1201933-07	L1201933-05
Depth Range							3/23/2020	3/23/2020	3/23/2020	3/23/2020	3/23/2020	3/23/2020
							4 ft	3.5 ft	7.5 ft	8 ft	8 ft	7.5 ft
Hydrocarbon (NWTPHGx and NWTPHDx)												
Gasoline range organics (Benzene Present)	30	NL	NL	200	NL	mg/kg	1.61 J	NT	NT	NT	NT	NT
Gasoline range organics (Benzene NonDetect)	100	NL	NL	200	NL	mg/kg	1.61 J	NT	NT	NT	NT	NT
Diesel range organics	2000	NL	NL	460	NL	mg/kg	NT	41.7	NT	NT	NT	NT
Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	NT	193	NT	NT	NT	NT
Total Diesel/Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	NT	234.7	NT	NT	NT	NT
Metals (EPA Method 6010/7471)												
Arsenic	20	24	0.67	20	2.9	mg/kg	NT	NT	NT	NT	NT	NT
Lead	250	NL	NL	220	3000	mg/kg	NT	NT	1.62	4.21	26.6	4.24
Total Chromium	NL	NL	NL	42	NL	mg/kg	NT	NT	NT	17	NT	NT
VOAs (EPA Method 8260)												
Acetone	NL	72000	NL	NL	29	mg/kg	NT	NT	<0.0169	<0.0148	<0.0183	<0.015
Acrylonitrile	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.00234	<0.00206	<0.00254	<0.00208
Benzene	0.03	320	18	NL	0.027	mg/kg	NT	NT	<0.000492	0.00277	<0.000535	<0.000438
Bromobenzene	NL	640	NL	NL	0.56	mg/kg	NT	NT	<0.00129	<0.00114	<0.0014	<0.00115
Bromodichloromethane	NL	1,600	16	NL	0.036	mg/kg	NT	NT	<0.000969	<0.000853	<0.00105	<0.000863
Bromoform	NL	1,600	130	NL	0.36	mg/kg	NT	NT	<0.00736	<0.00648	<0.008	<0.00655
Bromomethane	NL	110	NL	NL	0.05	mg/kg	NT	NT	<0.00455	<0.00401	<0.00495	<0.00405
Butylbenzene, n-	NL	4,000	NL	NL	14	mg/kg	NT	NT	<0.00472	<0.00416	<0.00514	<0.00421
Butylbenzene, sec-	NL	8,000	NL	NL	25	mg/kg	NT	NT	<0.00311	<0.00274	<0.00338	<0.00277
Butylbenzene, tert-	NL	8,000	NL	NL	20	mg/kg	NT	NT	<0.00191	<0.00168	<0.00207	<0.0017
Carbon tetrachloride	NL	320	14	NL	0.042	mg/kg	NT	NT	<0.00133	<0.00117	<0.00144	<0.00118
Chlorobenzene	NL	1,600	NL	NL	0.86	mg/kg	NT	NT	<0.000705	<0.000621	<0.000766	<0.000628
Chloroethane	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.00133	<0.00117	<0.00144	<0.00118
Chloroform	NL	800	32	NL	0.074	mg/kg	NT	NT	<0.000511	0.00084 J	<0.000555	<0.000454
Chloromethane	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.00171	<0.00151	<0.00186	<0.00152
Chlorotoluene, o-	NL	1600	NL	NL	1.9	mg/kg	NT	NT	<0.00113	<0.000996	<0.00123	<0.00101
Chlorotoluene, p-	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.00139	<0.00122	<0.00151	<0.00124
Cumene	NL	8,000	NL	NL	15	mg/kg	NT	NT	<0.00106	0.00305	<0.00115	<0.000945
Cymene	NL	NL	NL	NL	NL	mg/kg	NT	NT	<0.00287	0.0185	<0.00312	0.00436 J
Dibromo-3-chloropropane, 1,2-	NL	16	1.3	NL	0.0013	mg/kg	NT	NT	<0.00627	<0.00552	<0.00682	<0.00559

Table # 4
SOIL ANALYTICAL RESULTS - CONFIRMATION SOIL SAMPLES
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	C2 CENTER	C2 S SIDEWALL	C3 N SIDEWALL	C3-1 CENTER	C3-2 CENTER	C3 E SIDEWALL
Laboratory Identification							L1201933-11	L1201933-12	L1201933-08	L1201933-06	L1201933-07	L1201933-05
Sample Date							3/23/2020	3/23/2020	3/23/2020	3/23/2020	3/23/2020	3/23/2020
Depth Range							4 ft	3.5 ft	7.5 ft	8 ft	8 ft	7.5 ft
Hexachlorobutadiene	NL	80	13.00	NL	0.60	mg/kg	NT	NT	<0.0156	<0.0138	<0.017	<0.0139
Methyl ethyl ketone	NL	48,000	NL	NL	20	mg/kg	NT	NT	0.0428 B	0.0584 B	0.0721 B	0.0683 B
Methyl isobutyl ketone	NL	6,400	NL	NL	2.7	mg/kg	NT	NT	<0.0123	<0.0108	<0.0134	<0.011
Methylene bromide	NL	800	NL	NL	0.36	mg/kg	NT	NT	<0.00123	<0.00108	<0.00134	<0.0011
Methylene chloride	0.02	480	94	NL	0.021	mg/kg	NT	NT	<0.00817	<0.00719	<0.00888	<0.00727
MTBE	0.1	NL	560	NL	0.10	mg/kg	NT	NT	<0.000363	<0.00032	<0.000395	<0.000323
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	NT	NT	<0.00384	<0.00338	<0.00417	<0.00342
Propylbenzene, n-	NL	8,000	NL	NL	16	mg/kg	NT	NT	<0.00145	<0.00128	<0.00158	<0.00129
Styrene	NL	16,000	NL	NL	2.2	mg/kg	NT	NT	<0.00336	<0.00296	<0.00365	<0.00299
Tetrachloroethane, 1,1,1,2-	NL	2,400	38	NL	0.0098	mg/kg	NT	NT	<0.000615	<0.000542	<0.000669	<0.000548
Tetrachloroethane, 1,1,2,2-	NL	1,600	5	NL	0.0012	mg/kg	NT	NT	<0.00048	<0.000422	<0.000522	<0.000427
Tetrachloroethylene	0.05	480	480	NL	0.05	mg/kg	NT	NT	<0.000861	<0.000758	<0.000936	<0.000767
Toluene	7	6,400	NL	NL	4.5	mg/kg	NT	NT	<0.00154	0.014	<0.00167	<0.00137
Trichloro-1,2,2-trifluoroethane, 1,1,2	NL	2,400,000	NL	NL	7,600	mg/kg	NT	NT	<0.00083	<0.000731	<0.000903	<0.000739
Trichlorobenzene, 1,2,3-	NL	64	NL	NL	0.2	mg/kg	NT	NT	<0.000769	0.00517 J	<0.000836	<0.000684
Trichlorobenzene, 1,2,4-	NL	800	34	NL	0.56	mg/kg	NT	NT	<0.00593	<0.00522	<0.00645	<0.00528
Trichloroethane, 1,1,1-	2	160,000	NL	NL	1.5	mg/kg	NT	NT	<0.000338	<0.000298	<0.000368	<0.000301
Trichloroethane, 1,1,2-	NL	320	18	NL	0.017	mg/kg	NT	NT	<0.00109	<0.000956	<0.00118	<0.000967
Trichloroethylene	0.03	40	12.00	NL	0.025	mg/kg	NT	NT	<0.000492	<0.000433	<0.000535	<0.000438
Trichlorofluoromethane	NL	24,000	NL	NL	23	mg/kg	NT	NT	<0.000615	<0.000542	<0.000669	<0.000548
Trichloropropane, 1,2,3-	NL	320	0.0063	NL	0.0000024	mg/kg	NT	NT	<0.00627	<0.00552	<0.00682	<0.00559
Trimethylbenzene, 1,2,3-	NL	800	NL	NL	1.3	mg/kg	NT	NT	<0.00141	<0.00125	<0.00154	<0.00126
Trimethylbenzene, 1,2,4-	NL	800	NL	NL	1.3	mg/kg	NT	NT	<0.00143	0.00127 J	<0.00155	<0.00127
Trimethylbenzene, 1,3,5-	NL	800	NL	NL	1.3	mg/kg	NT	NT	<0.00133	<0.00117	<0.00144	<0.00118
Vinyl chloride	NL	240	0.67	NL	0.0017	mg/kg	NT	NT	<0.00084	<0.00074	<0.000914	<0.000748
Xylenes	9	16,000	9	NL	14	mg/kg	NT	NT	<0.00588	<0.00518	<0.00639	<0.00523
Other												
% Moisture	NL	NL	NL	NL	NL	mg/kg	88.9	83.5	81.3	92.3	74.8	91.3

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	C4 CENTER	AREA D CENTER	AREA D E SIDEWALL	AREA D N SIDEWALL	AREA D S SIDEWALL	AREA D W SIDEWALL
Laboratory Identification							L1202305-07	L1202305-01	L1202305-04	L1202305-02	L1202305-03	L1202305-05
Sample Date							3/24/2020	3/24/2020	3/24/2020	3/24/2020	3/24/2020	3/24/2020
Depth Range							15 ft	2 ft	1.5 ft	1.5 ft	1.5 ft	1.5 ft
Metals (EPA Method 6010/7471)												
Arsenic	20	24	0.67	20	2.9	mg/kg	NT	1.89 J	1.35 J	1.64 J	1.98 J	2.13 J
Cadmium	2	8	NL	25	0.69	mg/kg	NT	NT	NT	NT	NT	NT
Lead	250	NL	NL	220	3000	mg/kg	NT	NT	NT	NT	NT	NT
Total Chromium	NL	NL	NL	42	NL	mg/kg	21	NT	NT	NT	NT	NT
Hydrocarbon (NWTPHGx and NWTPHDx)												
Gasoline range organics (Benzene Present)	30	NL	NL	200	NL	mg/kg	<0.928	NT	NT	NT	NT	NT
Gasoline range organics (Benzene NonDetect)	100	NL	NL	200	NL	mg/kg	<0.928	NT	NT	NT	NT	NT
Diesel range organics	2000	NL	NL	460	NL	mg/kg	NT	NT	NT	NT	NT	NT
Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT
Total Diesel/Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT
Other												
% Moisture	NL	NL	NL	NL	NL	mg/kg	94.2	88.5	94.5	89.8	94.6	92.3

Table # 4
SOIL ANALYTICAL RESULTS - CONFIRMATION SOIL SAMPLES
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	E1-1 CENTER	E1-1 E SIDEWALL	E1-1 W SIDEWALL	E1-2 CENTER	E1-2 E SIDEWALL
Laboratory Identification							L1202305-15	L1202305-20	L1202305-17	L1202305-14	L1202305-18
Sample Date							3/24/2020	3/24/2020	3/24/2020	3/24/2020	3/24/2020
Depth Range							11 ft	10.5 ft	10.5 ft	11 ft	10.5 ft
Metals (EPA Method 6010/7471)											
Arsenic	20	24	0.67	20	2.9	mg/kg	NT	NT	NT	NT	NT
Cadmium	2	8	NL	25	0.69	mg/kg	0.398 J	0.383 J	0.358 J	0.102 J	0.138 J
Lead	250	NL	NL	220	3000	mg/kg	59.8	146	66.1	5.78	40
Total Chromium	NL	NL	NL	42	NL	mg/kg	NT	NT	NT	NT	NT
Hydrocarbon (NWTPHGx and NWTPHDx)											
Gasoline range organics (Benzene Present)	30	NL	NL	200	NL	mg/kg	NT	NT	NT	NT	NT
Gasoline range organics (Benzene NonDetect)	100	NL	NL	200	NL	mg/kg	NT	NT	NT	NT	NT
Diesel range organics	2000	NL	NL	460	NL	mg/kg	NT	NT	NT	NT	NT
Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT
Total Diesel/Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT
Other											
% Moisture	NL	NL	NL	NL	NL	mg/kg	79.3	89.1	84.2	88.4	83.4

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	E1-2	E1-3	E1-3	E2	E2	E2
Laboratory Identification							W SIDEWALL	E SIDEWALL	W SIDEWALL	CENTER	E SIDEWALL	N SIDEWALL
Sample Date							L1202305-16	L1202305-19	L1202305-13	L1202305-11	L1202305-10	L1202305-12
Depth Range							3/24/2020	3/24/2020	3/24/2020	3/24/2020	3/24/2020	3/24/2020
	10.5 ft	10.5 ft	10.5 ft	14 ft	13 ft	13 ft						
Metals (EPA Method 6010/7471)												
Arsenic	20	24	0.67	20	2.9	mg/kg	NT	NT	NT	NT	NT	NT
Cadmium	2	8	NL	25	0.69	mg/kg	0.324 J	0.221 J	0.514 J	0.246 J	0.249 J	0.141 J
Lead	250	NL	NL	220	3000	mg/kg	79	19.5	118	2.8 B	38.9	59.4
Total Chromium	NL	NL	NL	42	NL	mg/kg	NT	NT	NT	NT	NT	NT
Hydrocarbon (NWTPHGx and NWTPHDx)												
Gasoline range organics (Benzene Present)	30	NL	NL	200	NL	mg/kg	NT	NT	NT	NT	NT	NT
Gasoline range organics (Benzene NonDetect)	100	NL	NL	200	NL	mg/kg	NT	NT	NT	NT	NT	NT
Diesel range organics	2000	NL	NL	460	NL	mg/kg	NT	NT	NT	NT	NT	NT
Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT
Total Diesel/Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	NT	NT	NT	NT	NT	NT
Other												
% Moisture	NL	NL	NL	NL	NL	mg/kg	82.8	77.4	87.7	79.1	86.1	87.5

Table # 4
SOIL ANALYTICAL RESULTS - CONFIRMATION SOIL SAMPLES
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	EXCAVATION	EXCAVATION	EXCAVATION	EXCAVATION	EXCAVATION		STOCKPILE
Laboratory Identification							BASE	E. SIDEWALL	N. SIDEWALL	S. SIDEWALL	W. SIDEWALL	COMP	
Sample Date							L1229368-04	L1229368-02	L1229368-05	L1229368-06	L1229368-07	L1229368-01	L1229368-03
Depth Range							6/13/2020	6/13/2020	6/13/2020	6/13/2020	6/13/2020	6/13/2020	6/13/2020

Table # 4
SOIL ANALYTICAL RESULTS - CONFIRMATION SOIL SAMPLES
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	EXCAVATION BASE	EXCAVATION E. SIDEWALL	EXCAVATION N. SIDEWALL	EXCAVATION S. SIDEWALL	EXCAVATION W. SIDEWALL		STOCKPILE COMP
Laboratory Identification							L1229368-04	L1229368-02	L1229368-05	L1229368-06	L1229368-07	L1229368-01	L1229368-03
Sample Date							6/13/2020	6/13/2020	6/13/2020	6/13/2020	6/13/2020	6/13/2020	6/13/2020
Depth Range							10 ft	10 ft	10 ft	10 ft	10 ft	11 ft	--
Dichloropropene, 1,1-	NL	NL	NL	NL	NL	mg/kg	<0.00104	<0.0012	<0.000954	<0.001	<0.00169	<0.000995	<0.00156
Dichloropropene, cis 1,3-	NL	NL	NL	NL	NL	mg/kg	<0.000974	<0.00112	<0.000892	<0.000939	<0.00158	<0.000931	<0.00146
Dichloropropene, trans 1,3-	NL	NL	NL	NL	NL	mg/kg	<0.00147	<0.00169	<0.00134	<0.00141	<0.00238	<0.0014	<0.0022
Diisopropyl ether	NL	NL	NL	NL	NL	mg/kg	<0.000527	<0.000607	<0.000483	<0.000509	<0.000857	<0.000504	<0.000792
Ethyl benzene	6	8,000	NL	NL	5.9	mg/kg	<0.000948	0.00152 J	<0.000869	<0.000914	0.0128	0.00219 J	0.00314 J
Ethylene dibromide	0.005	720	0.5	NL	0.00027	mg/kg	<0.000834	<0.00096	<0.000764	<0.000804	<0.00135	<0.000797	<0.00125
Hexachlorobutadiene	NL	80	13.00	NL	0.60	mg/kg	<0.00772	<0.00889	<0.00707	<0.00744	<0.0125	<0.00738	<0.0116
Methyl ethyl ketone	NL	48,000	NL	NL	20	mg/kg	<0.0817	0.109 J	<0.0749	<0.0788	<0.133	<0.0781	0.164 J
Methyl isobutyl ketone	NL	6,400	NL	NL	2.7	mg/kg	<0.00293	<0.00338	<0.00269	<0.00283	0.00585 J	<0.0028	<0.0044
Methylene bromide	NL	800	NL	NL	0.36	mg/kg	<0.000965	<0.00111	<0.000884	<0.00093	<0.00157	<0.000922	<0.00145
Methylene chloride	0.02	480	94	NL	0.021	mg/kg	<0.00854	<0.00984	<0.00783	<0.00824	<0.0139	<0.00816	<0.0128
MTBE	0.1	NL	560	NL	0.10	mg/kg	<0.00045	<0.000519	<0.000413	<0.000434	<0.000732	<0.00043	<0.000676
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	<0.00628	<0.00723	<0.00575	<0.00605	<0.0102	<0.006	<0.00942
Propylbenzene, n-	NL	8,000	NL	NL	16	mg/kg	<0.00122	<0.00141	<0.00112	<0.00118	0.00439 J	<0.00117	<0.00183
Styrene	NL	16,000	NL	NL	2.2	mg/kg	<0.000295	<0.000339	<0.00027	<0.000284	<0.000479	<0.000282	<0.000442
Tetrachloroethane, 1,1,1,2-	NL	2,400	38	NL	0.0098	mg/kg	<0.00122	<0.0014	<0.00112	<0.00118	<0.00198	<0.00117	<0.00183
Tetrachloroethane, 1,1,2,2-	NL	1,600	5	NL	0.0012	mg/kg	<0.000894	<0.00103	<0.000819	<0.000862	<0.00145	<0.000855	<0.00134
Tetrachloroethylene	0.05	480	480	NL	0.05	mg/kg	<0.00115	<0.00133	<0.00106	<0.00111	<0.00187	<0.0011	<0.00173
Toluene	7	6,400	NL	NL	4.5	mg/kg	<0.00167	0.0033 J	0.00157 J	0.002 J	0.225	0.00245 J	0.0179
Trichloro-1,2,2-trifluoroethane, 1,1,2	NL	2,400,000	NL	NL	7,600	mg/kg	<0.00097	<0.00112	<0.000889	<0.000935	<0.00158	<0.000927	<0.00146
Trichlorobenzene, 1,2,3-	NL	64	NL	NL	0.2	mg/kg	<0.00943	<0.0109	<0.00864	<0.00909	<0.0153	<0.00901	<0.0142
Trichlorobenzene, 1,2,4-	NL	800	34	NL	0.56	mg/kg	<0.00566	<0.00652	<0.00519	<0.00546	<0.0092	<0.00541	<0.0085
Trichloroethane, 1,1,1-	2	160,000	NL	NL	1.5	mg/kg	<0.00119	<0.00137	<0.00109	<0.00114	<0.00193	<0.00113	<0.00178
Trichloroethane, 1,1,2-	NL	320	18	NL	0.017	mg/kg	<0.000768	<0.000884	<0.000704	<0.00074	<0.00125	<0.000734	<0.00115
Trichloroethylene	0.03	40	12.00	NL	0.025	mg/kg	<0.000751	<0.000865	<0.000688	<0.000724	<0.00122	<0.000718	<0.00113
Trichlorofluoromethane	NL	24,000	NL	NL	23	mg/kg	<0.00106	<0.00123	<0.000975	<0.00103	<0.00173	<0.00102	<0.0016
Trichloropropane, 1,2,3-	NL	320	0.0063	NL	0.0000024	mg/kg	<0.00208	<0.0024	<0.00191	<0.00201	<0.00339	<0.00199	<0.00313
Trimethylbenzene, 1,2,3-	NL	800	NL	NL	1.3	mg/kg	<0.00203	0.00277 J	<0.00186	<0.00196	0.01 J	0.00482 J	0.00811 J
Trimethylbenzene, 1,2,4-	NL	800	NL	NL	1.3	mg/kg	<0.00203	<0.00234	<0.00186	<0.00196	0.0266	0.00353 J	0.00883 J
Trimethylbenzene, 1,3,5-	NL	800	NL	NL	1.3	mg/kg	<0.00257	<0.00296	<0.00236	<0.00248	0.00669 J	0.00293 J	0.00608 J
Vinyl chloride	NL	240	0.67	NL	0.0017	mg/kg	<0.00149	<0.00172	<0.00137	<0.00144	<0.00242	<0.00143	<0.00224
Xylenes	9	16,000	9	NL	14	mg/kg	<0.00113	0.00745 J	0.00147 J	<0.00109	0.0427	0.0107	0.029

Notes:

16.60	Concentrations in blue indicate levels above method detection limits yet below Washington Department of Ecology (Ecology) screening level(s)
NL	No Limit Established
mg/kg	Milligrams per kilogram (parts per million)
T8	Sample analyzed outside of hold time
J	Analyte is an estimated value between the Reporting Limit (RL) and Method Detection Limit (MDL) (for organics
*	Result Exceeds the Washington Department of Ecology Method B Direct Contact cancer assessment level. This screening level is used upon demonstration that Site groundwater is not impacted.
	Result Exceeds the Washington Department of Ecology Method A Direct Contact and/or soil leaching assessment level

Table # 5
SOIL ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	Method A Direct Contact (February 2021)	Method B Non-Cancer Direct Contact (February 2021)	Method B Cancer Direct Contact (February 2021)	Simplified Terrestrial Eco Evaluation Unrestricted Land Use (February 2021)	Soil Protective of Groundwater Vadose at 13 Deg (February 2021)	Reporting Units	Sewer	Sewer	Sewer	Sewer	Sewer
Laboratory Identification							SEC Base	SEC S. Side	SEC N. Side	SEC W. Side	SEC E. Side
Sample Date							L1225705-01	L1225705-02	L1225705-03	L1225705-04	L1225705-05
Depth Range							6/4/2020	6/4/2020	6/4/2020	6/4/2020	6/4/2020
							7.5 fbg	4 fbg	4 fbg	4 fbg	4 fbg
Hydrocarbon (NWTPHGx and NWTPHDx)											
Gasoline range organics (Benzene Present)	30	NL	NL	200	NL	mg/kg	-	-	-	-	-
Gasoline range organics (Benzene NonDetect)	100	NL	NL	200	NL	mg/kg	<1.13	1.06 J	1.05 J	1.1 J	0.967 J
Diesel range organics	2000	NL	NL	460	NL	mg/kg	13.8	<149	7.18 J	<30.3	10.8
Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	44.8	1130	62.7	217 J	83.9
Total Diesel/Oil Range Organics	2000	NL	NL	NL	NL	mg/kg	58.6	1204.5	69.88	232.15	94.7
Other											
% Moisture	NL	NL	NL	NL	NL	%	74.7	89.4	85	87.9	92.2
VOAs (EPA Method 8260)											
Acetone	NL	72000	NL	NL	29	mg/kg	<0.0489	<0.0408	0.0702	<0.0415	<0.0396
Acrylonitrile	NL	NL	NL	NL	NL	mg/kg	<0.00483	<0.00404	<0.0048	<0.00411	<0.00391
Benzene	0.03	320	18	NL	0.027	mg/kg	<0.000625	<0.000522	<0.00062	<0.000531	<0.000506
Bromobenzene	NL	640	NL	NL	0.56	mg/kg	<0.0012	<0.00101	<0.0012	<0.00102	<0.000976
Bromodichloromethane	NL	1,600	16	NL	0.036	mg/kg	<0.00097	<0.000811	<0.000963	<0.000825	<0.000786
Bromoform	NL	1,600	130	NL	0.36	mg/kg	<0.00157	<0.00131	<0.00155	<0.00133	<0.00127
Bromomethane	NL	110	NL	NL	0.05	mg/kg	<0.00264	<0.0022	<0.00262	<0.00224	<0.00214
Butylbenzene, n-	NL	4,000	NL	NL	14	mg/kg	<0.00703	<0.00587	<0.00698	<0.00597	<0.00569
Butylbenzene, sec-	NL	8,000	NL	NL	25	mg/kg	<0.00385	<0.00322	<0.00383	<0.00328	<0.00312
Butylbenzene, tert-	NL	8,000	NL	NL	20	mg/kg	<0.00261	<0.00218	<0.00259	<0.00222	<0.00211
Carbon tetrachloride	NL	320	14	NL	0.042	mg/kg	<0.0012	<0.001	<0.00119	<0.00102	<0.000974
Chlorobenzene	NL	1,600	NL	NL	0.86	mg/kg	<0.000281	<0.000235	<0.000279	<0.000239	<0.000228
Chloroethane	NL	NL	NL	NL	NL	mg/kg	<0.00228	<0.0019	<0.00226	<0.00193	<0.00184
Chloroform	NL	800	32	NL	0.074	mg/kg	<0.00138	<0.00115	<0.00137	<0.00117	<0.00112
Chloromethane	NL	NL	NL	NL	NL	mg/kg	<0.00582	<0.00487	<0.00578	<0.00495	<0.00472
Chlorotoluene, o-	NL	1600	NL	NL	1.9	mg/kg	<0.00116	<0.000968	<0.00115	<0.000984	<0.000938
Chlorotoluene, p-	NL	NL	NL	NL	NL	mg/kg	<0.000602	<0.000503	<0.000598	<0.000512	<0.000488
Cumene	NL	8,000	NL	NL	15	mg/kg	<0.000569	<0.000475	<0.000565	<0.000483	<0.000461
Cymene	NL	NL	NL	NL	NL	mg/kg	<0.00341	<0.00285	<0.00339	0.00726	<0.00277
Dibromo-3-chloropropane, 1,2-	NL	16	1.3	NL	0.0013	mg/kg	<0.00522	<0.00436	<0.00518	<0.00444	<0.00423
Dibromochloromethane	NL	1,600	12	NL	0.028	mg/kg	<0.000819	<0.000685	<0.000813	<0.000696	<0.000664
Dichlorobenzene, 1,2-	NL	7,200	NL	NL	7	mg/kg	<0.000569	<0.000475	<0.000565	<0.000483	<0.000461
Dichlorobenzene, 1,3-	NL	NL	NL	NL	NL	mg/kg	<0.000803	<0.000671	<0.000797	<0.000682	<0.000651
Dichlorobenzene, 1,4-	NL	5,600	190	NL	1.2	mg/kg	<0.000937	<0.000783	<0.00093	<0.000796	<0.000759
Dichlorodifluoromethane	NL	16,000	NL	NL	38	mg/kg	<0.00216	<0.0018	<0.00214	<0.00183	<0.00175
Dichloroethane, 1,1-	NL	16,000	180	NL	0.041	mg/kg	<0.000657	<0.000549	<0.000652	<0.000559	<0.000532
Dichloroethane, 1,2-	NL	480	11	NL	0.023	mg/kg	<0.000869	<0.000726	<0.000862	<0.000738	<0.000704
Dichloroethylene, 1,1-	NL	4,000	NL	NL	0.046	mg/kg	<0.000811	<0.000678	<0.000805	<0.000689	<0.000657
Dichloroethylene, cis-1,2-	NL	160	NL	NL	0.078	mg/kg	<0.000982	<0.000821	<0.000975	<0.000835	<0.000796
Dichloroethylene, trans-1,2	NL	1,600	NL	NL	0.52	mg/kg	<0.00139	<0.00116	<0.00138	<0.00118	<0.00113
Dichloropropane, 1,2-	NL	3,200	27	NL	0.025	mg/kg	<0.0019	<0.00159	<0.00189	<0.00162	<0.00154
Dichloropropane, 1,3-	NL	1,600	NL	NL	0.88	mg/kg	<0.000671	<0.000561	<0.000666	<0.000567	<0.000543
Dichloropropane, 2,2-	NL	NL	NL	NL	NL	mg/kg	<0.00185	<0.00154	<0.00183	<0.00157	<0.0015
Dichloropropene, 1,1-	NL	NL	NL	NL	NL	mg/kg	<0.00108	<0.000905	<0.00107	<0.00092	<0.000877
Dichloropropene, cis 1,3-	NL	NL	NL	NL	NL	mg/kg	<0.00101	<0.000847	<0.00101	<0.000861	<0.000821
Dichloropropene, trans 1,3-	NL	NL	NL	NL	NL	mg/kg	<0.00153	<0.00128	<0.00151	<0.0013	<0.00124
Diisopropyl ether	NL	NL	NL	NL	NL	mg/kg	<0.000549	<0.000459	<0.000545	<0.000466	<0.000445
Ethyl benzene	6	8,000	NL	NL	5.9	mg/kg	<0.000986	<0.000825	<0.000979	<0.000838	<0.000799
Ethylene dibromide	0.005	720	0.5	NL	0.00027	mg/kg	<0.000867	<0.000725	<0.000861	<0.000737	<0.000703
Hexachlorobutadiene	NL	80	13.00	NL	0.60	mg/kg	<0.000803	<0.000671	<0.000797	<0.000682	<0.000651
Methyl ethyl ketone	NL	48,000	NL	NL	20	mg/kg	<0.085	<0.071	<0.0844	<0.0722	<0.0689
Methyl isobutyl ketone	NL	6,400	NL	NL	2.7	mg/kg	<0.00305	<0.00255	<0.00303	<0.00259	<0.00247
Methylene bromide	NL	800	NL	NL	0.36	mg/kg	<0.001	<0.000839	<0.000996	<0.000853	<0.000813
Methylene chloride	0.02	480	94	NL	0.021	mg/kg	<0.00889	<0.00743	<0.00882	<0.00755	<0.0072
MTBE	0.1	NL	560	NL	0.10	mg/kg	<0.000468	<0.000392	<0.000465	<0.000398	<0.00038
Naphthalene	5	1,600	NL	NL	4.5	mg/kg	<0.00653	<0.00546	<0.00648	<0.00555	<0.00529
Propylbenzene, n-	NL	8,000	NL	NL	16	mg/kg	<0.00127	<0.00106	0.00219 J	0.00138 J	<0.00103
Styrene	NL	16,000	NL	NL	2.2	mg/kg	0.000534 J	<0.000256	0.000797 J	<0.00026	<0.000248
Tetrachloroethane, 1,1,1,2-	NL	2,400	38	NL	0.0098	mg/kg	<0.00127	<0.00106	<0.00126	<0.00108	<0.00103
Tetrachloroethane, 1,1,2,2-	NL	1,600	5	NL	0.0012	mg/kg	<0.00093	<0.000778	<0.000923	<0.000791	<0.000754
Tetrachloroethylene	0.05	480	480	NL	0.05	mg/kg	0.0027 J	0.00199 J	0.00528	<0.00102	<0.000972
Toluene	7	6,400	NL	NL	4.5	mg/kg	<0.00174	<0.00145	0.00539 J	<0.00148	<0.00141
Trichloro-1,2,2-trifluoroethane, 1,1,2-	NL	2,400,000	NL	NL	7,600	mg/kg	<0.00101	<0.000844	<0.001	<0.000858	<0.000818
Trichlorobenzene, 1,2,3-	NL	64	NL	NL	0.2	mg/kg	<0.00981	<0.0082	<0.00974	<0.00834	<0.00795
Trichlorobenzene, 1,2,4-	NL	800	34	NL	0.56	mg/kg	<0.00589	<0.00492	<0.00585	<0.005	<0.00477
Trichloroethane, 1,1,1-	2	160,000	NL	NL	1.5	mg/kg	<0.00124	<0.00103	<0.00123	<0.00105	<0.001
Trichloroethane, 1,1,2-	NL	320	18	NL	0.017	mg/kg	<0.000799	<0.000668	<0.000793	<0.000679	<0.000647
Trichloroethylene	0.03	40	12.00	NL	0.025	mg/kg	<0.000782	<0.000653	<0.000776	<0.000664	<0.000633
Trichlorofluoromethane	NL	24,000	NL	NL	23	mg/kg	<0.00111	<0.000925	<0.0011	<0.000941	<0.000897
Trichloropropane, 1,2,3-	NL	320	0.0063	NL	0.0000024	mg/kg	<0.00217	<0.00181	<0.00215	<0.00184	<0.00176
Trimethylbenzene, 1,2,3-	NL	800	NL	NL	1.3	mg/kg	<0.00211	<0.00177	<0.0021	<0.0018	<0.00171
Trimethylbenzene, 1,2,4-	NL	800	NL	NL	1.3	mg/kg	<0.00211	<0.00177	<0.0021	<0.0018	<0.00171
Trimethylbenzene, 1,3,5-	NL	800	NL	NL	1.3	mg/kg	<0.00268	<0.00224	<0.00266	<0.00227	<0.00217
Vinyl chloride	NL	240	0.67	NL	0.0017	mg/kg	<0.00155	<0.0013	<0.00154	<0.00132	<0.00126
Xylenes	9	16,000	9	NL	14	mg/kg	<0.00118	<0.000985	0.00644 J	<0.001	<0.000954

Table # 6
SOIL GAS ANALYTICAL RESULTS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	SubSlab Soil Gas Screening Level Method B Cancer (TR=1E-6) (February 2021)	SubSlab Soil Gas Screening Level Method B Noncancer (THQ=1) (February 2021)	Reporting Units	TVMP-1	TVMP-2	B-10	B-11	B-12	B-13
				Samples Collected by TGE		Collected by Environmental Associates Inc. - Split Sampling Event			
Sample Date				8/24/2017	8/24/2017	8/15/2018	8/15/2018	8/15/2018	8/15/2018
LabSampleID				L931900-05	L931900-06	808364-01	808364-02	808364-03	808364-04
Sample Depth				5 - 6 feet	5 - 6 feet	4.5 - 5 feet	4.5 - 5 feet	4.5 - 5 feet	4.5 - 5 feet
				Reported	Reported	Reported	Reported	Reported	Reported
				Concentration	Concentration	Concentration	Concentration	Concentration	Concentration
VOCs									
1,2-Dichlorotetrafluoroethane (F-114)	NL	NL	ug/m3	<0.19	<0.19	<2.3	<2.3	<2.3	<2.3
1-Butanol	NL	NL	ug/m3	NT	NT	35	<20	32	<20
2-Pentanone	NL	NL	ug/m3	NT	NT	<12	<12	<12	<12
3-Pentanone	NL	NL	ug/m3	NT	NT	<12	<12	<12	<12
Acetaldehyde	38.0	140	ug/m3	NT	NT	<30	<30	<30	<30
Acetone	NL	470,000	ug/m3	118	26.3	190	100	400 (ve)	250
Acetonitrile	NL	910	ug/m3	NT	NT	42	<5.5	<5.5	<5.5
Acrolein	NL	0.3	ug/m3	NT	NT	18	<3	<3	12
Acrylonitrile	1.20	30	ug/m3	NT	NT	<5.5	<0.72	<0.72	<0.72
Benzene	11	460	ug/m3	26.2	7.46	150	3	180	130
Benzyl chloride	1.7	15	ug/m3	<0.39	<0.39	<0.17	<0.17	<0.17	<0.17
Bromodichloromethane	2.3	NL	ug/m3	<0.42	<0.42	<0.22	<0.22	<0.22	<0.22
Bromoform	76	NL	ug/m3	<0.71	<0.71	<6.8	<6.8	<6.8	<6.8
Bromomethane	NL	76	ug/m3	<0.15	<0.15	<5.1	<5.1	<5.1	<5.1
Butadiene, 1,3-	2.8	30	ug/m3	54.7	24.6	260	0.72	210	340
Butanal	NL	NL	ug/m3	NT	NT	20	<9.7	45	38
Carbon disulfide	NL	11,000	ug/m3	9.65	7.14	28	<21	160	<21
Carbon tetrachloride	14	1,500	ug/m3	<0.27	<0.27	<2.1	<2.1	<2.1	<2.1
Chlorobenzene	NL	760	ug/m3	<0.35	<0.35	<1.5	<1.5	<1.5	<1.5
Chlorodifluoromethane	NL	760000	ug/m3	NT	NT	<1.2	<1.2	<1.2	<1.2
Chloroethane (ethyl chloride)	NL	150,000	ug/m3	<0.13	<0.13	<0.87	<0.87	<0.87	<0.87
Chloroform	3.6	1,500	ug/m3	<0.25	38.6	0.61	0.52	0.32	0.44
Chloromethane	NL	1,400	ug/m3	<0.056	1.5	3	2.1	6.7	4.6
Cyclohexane	NL	91,000	ug/m3	55.5	5.85	170	<23	140	130
Cyclopentane	NL	NL	ug/m3	NT	NT	<0.95	1.8	39	34
Dibromochloromethane	NL	NL	ug/m3	<0.56	<0.56	<0.28	<0.28	<0.28	<0.28
Dichlorobenzene, 1,2-	NL	3,000	ug/m3	<0.47	<0.47	<2	<2	<2	<2
Dichlorobenzene, 1,3-	NL	NL	ug/m3	71.6	10.5	<2	2.9	6.6	4
Dichlorobenzene, 1,4-	7.6	12,000	ug/m3	<0.46	<0.46	<0.79	<0.79	<0.79	<0.79
Dichlorodifluoromethane	NL	1,500	ug/m3	4.95	<0.17	2.6	2.9	<1.6	2.4
Dichloroethane, 1,1-	52	NL	ug/m3	<0.2	<0.2	<1.3	<1.3	<1.3	<1.3
Dichloroethane, 1,2-	3.2	110	ug/m3	<0.25	<0.25	<0.13	<0.13	<0.13	0.6
Dichloroethylene, 1,1-	NL	3,000	ug/m3	<0.15	<0.15	<1.3	<1.3	<1.3	<1.3
Dichloroethylene, cis-1,2-	NL	NL	ug/m3	3.27	<0.19	<1.3	<1.3	<1.3	<1.3
Dichloroethylene, trans-1,2	NL	610	ug/m3	<0.17	<0.17	<1.3	<1.3	<1.3	<1.3
Dichloropropane, 1,2-	23	61	ug/m3	<0.31	<0.31	<0.76	<0.76	<0.76	<0.76
Dichloropropene, cis 1,3-	21	300	ug/m3	<0.36	<0.36	<1.5	<1.5	<1.5	<1.5
Dichloropropene, trans 1,3-	NL	NL	ug/m3	<0.46	<0.46	<1.5	<1.5	<1.5	<1.5
Dioxane 1,4-	17	460	ug/m3	<0.24	<0.24	<1.2	<1.2	<1.2	<1.2
Ethanol	NL	NL	ug/m3	19.7	11.4	90	<25	42	26
Ethyl benzene	NL	15,000	ug/m3	<0.34	<0.34	28	2.1	22	25
Ethylene dibromide (EDB)	0.14	140	ug/m3	<0.61	<0.61	<0.25	<0.25	<0.25	<0.25
Hexachlorobutadiene	3.8	NL	ug/m3	<0.82	<0.82	<0.7	<0.7	<0.7	<0.7
Hexanal	NL	NL	ug/m3	NT	NT	220	<14	32	27
Hexane, n-	NL	11,000	ug/m3	58.3	7.9	340	<12	340	190
Hexanone, 2-	NL	460	ug/m3	<0.36	<0.36	<14	<14	<14	<14
Hexanone, 3-	NL	NL	ug/m3	NT	NT	<14	<14	<14	<14
Iodomethane	NL	NL	ug/m3	NT	NT	2.6	<1.9	<1.9	<1.9
Isobutene	NL	NL	ug/m3	NT	NT	360	<3	670 (ve)	1000 (ve)
Isoprene	NL	NL	ug/m3	NT	NT	36	<0.92	89	130
Isopropyl alcohol	NL	NL	ug/m3	<0.16	<0.16	<28	<28	<28	<28
Methacrolein	NL	NL	ug/m3	NT	NT	18	<9.5	17	<9.5
Methyl ethyl ketone	NL	76,000	ug/m3	25.3	<0.22	40	13	110	73
Methyl isobutyl ketone	NL	46,000	ug/m3	<0.35	<0.35	<14	<14	<14	<14
Methyl vinyl ketone	NL	NL	ug/m3	NT	NT	<9.5	<9.5	22	<9.5
Methylene chloride	2200	9,100	ug/m3	<0.15	<0.15	330	<290	290	880 (ve)
MTBE	320	46,000	ug/m3	<0.23	<0.23	<5.9	<5.9	<5.9	<5.9
Naphthalene	2.5	46	ug/m3	<0.37	<0.37	1.4 (nb)	1.3 (fb)	2.4 (fb)	2.7 (fb)
Pentanal	NL	NL	ug/m3	NT	NT	20	<12	33	28
Pentane	NL	NL	ug/m3	NT	NT	480	<9.7	530 (ve)	250
Propene	NL	NL	ug/m3	1120	253	700 (ve)	<2.3	1800 (ve)	1800 (ve)
Styrene	NL	15,000	ug/m3	<0.32	<0.32	44	<2.8	8.5	9.6
Tetrachloroethane, 1,1,2,2-	1.4	NL	ug/m3	<0.54	<0.54	<0.45	<0.45	<0.45	<0.45
Tetrachloroethylene	320	610	ug/m3	<0.34	<0.34	35	2.7	<2.2	5.7
Toluene	NL	76,000	ug/m3	NT	NT	360	11	150	130
Trichloro-1,2,2-trifluoroethane, 1,1,2-	NL	76,000	ug/m3	<0.38	<0.38	<2.5	<2.5	<2.5	<2.5
Trichlorobenzene, 1,2,4-	NL	30	ug/m3	<0.38	<0.38	<2.4	<2.4	<2.4	<2.4
Trichloroethane, 1,1,1-	NL	76,000	ug/m3	<0.28	<0.28	<1.8	<1.8	<1.8	2.6
Trichloroethane, 1,1,2-	5.2	3	ug/m3	<0.4	<0.4	<0.18	<0.18	<0.18	<0.18
Trichloroethylene	11	30	ug/m3	2.81	<0.32	13	15	1.7	18
Trichlorofluoromethane	NL	11,000	ug/m3	<0.2	<0.2	<1.9	1.9	<1.9	4.2
Trimethylbenzene, 1,2,4-	NL	910	ug/m3	3.43	<0.41	<8.1	<8.1	9	30
Trimethylbenzene, 1,3,5-	NL	910	ug/m3	<0.35	<0.35	<8.1	<8.1	<8.1	9
Vinyl acetate	NL	3,000	ug/m3	<0.29	<0.29	<23	<23	<23	<23
Vinyl chloride	9.5	1,500	ug/m3	<0.079	<0.079	<0.84	<0.84	<0.84	<0.84
Xylene, o-	NL	NL	ug/m3	2.6	<0.32	25	2.6	24	24
Xylenes	NL	1,500	ug/m3	6.58	<0.66	103	7.4	58	83

TR = 1E⁻⁶

THQ = 1

1.8

NL

ve

fb

ug/m³

0.1242

0.1242

Incremental Lifetime Cancer Risk target value of 1 : 1,000,000

Target hazard quotient for potential non-cancer effects

Concentration in blue indicates a level above the method detection limit (MDL), for Reported Concentrations, and below the MTCA screening levels (if established).

Not Listed with a target Screening Level per MTCA

The analyte concentration indicated exceeded the valid instrument calibration range - the reported value is estimated.

The analyte indicated was detected within the associated field blank.

Micrograms per cubic Micrograms per cubic meter

Concentration exceeds the Washington State Department of Ecology February 2021 Subslab Soil Gas Screening Levels using the "Method B" Cancer health risk model.

Concentration exceeds the Washington State Department of Ecology February 2021 Subslab Soil Gas Screening Levels using the "Method B" Noncancer health risk model.

Table # 7
SOIL ANALYTICAL RESULTS - PCBs
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Sample ID	Laboratory Identification*	Sample Date	Depth Range	Aroclor 1016 (mg/kg)	Aroclor 1221 (mg/kg)	Aroclor 1232 (mg/kg)	Aroclor 1242 (mg/kg)	Aroclor 1248 (mg/kg)	Aroclor 1254 (mg/kg)	Aroclor 1260 (mg/kg)
Method A Direct Contact (February 2021)				NL	NL	NL	NL	NL	NL	NL
Method B Non-Cancer Direct Contact (February 2021)				5.6	NL	NL	NL	NL	1.6	NL
Method B Cancer Direct Contact (February 2021)				14.00	NL	NL	NL	NL	0.50	0.50
Simplified TEE Unrestricted Land Use (February 2021)				NL	NL	NL	NL	NL	NL	NL
Soil Protective of Groundwater Vadose at 13 Deg (February 2021)				NL	NL	NL	NL	NL	0.71	NL
SB-15A	L1165628-01 L1168120-01	11/14/2019	0 - 1 ft	0	0	0	0	0	0.00249	0.0105
SB-46	L1178043-28 L1180378-12	1/8/2020	1 - 2 ft	0	0	0	0	0	0.00855	0.00265
SB-50	L1177542-58 L1180378-10	1/7/2020	0 - 1 ft	0	0	0	0	0	0.00971	0.00269
Total PCBs				0	0	0	0	0	0.02075	0.01584

Notes:

0.00188 Sample concentrations reported by laboratory as less than the sample quantitation limit (i.e., "non detect"). Per Washington Department of Ecology (Ecology) guidance, values represent one-half the detection value if specific Aroclor is present within Site limits or zero ("0") if Aroclor is not present within Site limits.

J Concentrations in blue indicate levels above method detection limits yet below Ecology screening level(s)

mg/kg Milligrams per kilogram (parts per million)

0.00855 Concentrations in blue indicate levels above method detection limits yet below Washington Department of Ecology (Ecology) screening level(s)

PCBs Polychlorinated biphenyls

* All samples were analyzed for PCBs by EPA Method 8082 at Pace Analytical National in Mt. Juliet, TN

TEE Terrestrial Eco Evaluation

Table # 8

SOIL ANALYTICAL RESULTS - PAHs

Former Payless Auto Mart

Federal Way, WA

TGE Project Nos.: R13411.01 - R13411.10

Station Name	SB15	Reporting Units	Toxicity Equivalent Factor (TEF)	Total Toxicity Equivalent Concentration (TTEC) $\Sigma C_n \times TEF_n$
Laboratory Identification	L1161924-01 L1165576-01			
Sample Date	11/14/2019			
Depth Range	0 - 1 ft			
PAH Congeners				
Benz-a-anthracene	0.02255	mg/kg	0.1	0.002255
Chrysene	0.02925	mg/kg	0.01	0.0002925
Benzo-b-fluoranthene	0.0366	mg/kg	0.1	0.00366
Benzo-k-fluoranthene	0.03065	mg/kg	0.1	0.003065
Benzo-a-pyrene	0.02885	mg/kg	1	0.02885
Dibenz-a,h-anthracene	0.04325	mg/kg	0.1	0.004325
Indeno-1,2,3-cd-pyrene	0.04065	mg/kg	0.1	0.004065
Sum of TTEC				0.0465
Conclusion: The TTEC for the c-PAH of this particular soil sample does not exceed the Method A cleanup level for benzo(a)pyrene (0.1 mg/kg). Therefore, the cleanup level for benzo(a)pyrene has been met for the particular soil sample.				

Station Name	SB15A	Reporting Units	Toxicity Equivalent Factor (TEF)	Total Toxicity Equivalent Concentration (TTEC) $\Sigma C_n \times TEF_n$
Laboratory Identification	L1165628-01 L1168120-01			
Sample Date	11/14/2019			
Depth Range	0 - 1 ft			
PAH Congeners				
Benz-a-anthracene	0.0226	mg/kg	0.1	0.00226
Chrysene	0.0293	mg/kg	0.01	0.000293
Benzo-b-fluoranthene	0.0367	mg/kg	0.1	0.00367
Benzo-k-fluoranthene	0.0307	mg/kg	0.1	0.00307
Benzo-a-pyrene	0.0289	mg/kg	1	0.0289
Dibenz-a,h-anthracene	0.04335	mg/kg	0.1	0.004335
Indeno-1,2,3-cd-pyrene	0.04075	mg/kg	0.1	0.004075
Sum of TTEC				0.046603
Conclusion: The TTEC for the c-PAH of this particular soil sample does not exceed the Method A cleanup level for benzo(a)pyrene (0.1 mg/kg). Therefore, the cleanup level for benzo(a)pyrene has been met for the particular soil sample.				

Station Name	SB15A	Reporting Units	Toxicity Equivalent Factor (TEF)	Total Toxicity Equivalent Concentration (TTEC) $\Sigma C_n \times TEF_n$
Laboratory Identification	L1165628-01 L1168120-01			
Sample Date	11/14/2019			
Depth Range	2 - 3 ft			
PAH Congeners				
Benz-a-anthracene	0.00237	mg/kg	0.1	0.000237
Chrysene	0.003075	mg/kg	0.01	0.00003075
Benzo-b-fluoranthene	0.00385	mg/kg	0.1	0.000385
Benzo-k-fluoranthene	0.003225	mg/kg	0.1	0.0003225
Benzo-a-pyrene	0.003035	mg/kg	1	0.003035
Dibenz-a,h-anthracene	0.004545	mg/kg	0.1	0.0004545
Indeno-1,2,3-cd-pyrene	0.004275	mg/kg	0.1	0.0004275
Sum of TTEC				0.00489225
Conclusion: The TTEC for the c-PAH of this particular soil sample does not exceed the Method A cleanup level for benzo(a)pyrene (0.1 mg/kg). Therefore, the cleanup level for benzo(a)pyrene has been met for the particular soil sample.				

Station Name	SB15B	Reporting Units	Toxicity Equivalent Factor (TEF)	Total Toxicity Equivalent Concentration (TTEC) $\Sigma C_n \times TEF_n$
Laboratory Identification	L1165628-03 L1168120-03			
Sample Date	11/14/2019			
Depth Range	0 - 1 ft			
PAH Congeners				
Benz-a-anthracene	0.0225	mg/kg	0.1	0.00225
Chrysene	0.0292	mg/kg	0.01	0.000292
Benzo-b-fluoranthene	0.03655	mg/kg	0.1	0.003655
Benzo-k-fluoranthene	0.0306	mg/kg	0.1	0.00306
Benzo-a-pyrene	0.02885	mg/kg	1	0.02885
Dibenz-a,h-anthracene	0.0432	mg/kg	0.1	0.00432
Indeno-1,2,3-cd-pyrene	0.0406	mg/kg	0.1	0.00406
Sum of TTEC				0.046487
Conclusion: The TTEC for the c-PAH of this particular soil sample does not exceed the Method A cleanup level for benzo(a)pyrene (0.1 mg/kg). Therefore, the cleanup level for benzo(a)pyrene has been met for the particular soil sample.				

Table # 8
SOIL ANALYTICAL RESULTS - PAHs
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	SB15B	Reporting Units	Toxicity Equivalent Factor (TEF)	Total Toxicity Equivalent Concentration (TTEC) $\Sigma C_n \times TEF_n$
Laboratory Identification	L1165628-04 L1168120-04			
Sample Date	11/14/2019			
Depth Range	2 - 3 ft			
PAH Congeners				
Benz-a-anthracene	0.00227	mg/kg	0.1	0.000227
Chrysene	0.00294	mg/kg	0.01	0.0000294
Benzo-b-fluoranthene	0.003685	mg/kg	0.1	0.0003685
Benzo-k-fluoranthene	0.003085	mg/kg	0.1	0.0003085
Benzo-a-pyrene	0.002905	mg/kg	1	0.002905
Dibenz-a,h-anthracene	0.00435	mg/kg	0.1	0.000435
Indeno-1,2,3-cd-pyrene	0.00409	mg/kg	0.1	0.000409
Sum of TTEC				0.0046824
Conclusion: The TTEC for the c-PAH of this particular soil sample does not exceed the Method A cleanup level for benzo(a)pyrene (0.1 mg/kg). Therefore, the cleanup level for benzo(a)pyrene has been met for the particular soil sample.				

Station Name	SB15C	Reporting Units	Toxicity Equivalent Factor (TEF)	Total Toxicity Equivalent Concentration (TTEC) $\Sigma C_n \times TEF_n$
Laboratory Identification	L1165628-05 L1168120-05			
Sample Date	11/14/2019			
Depth Range	0 - 1 ft			
PAH Congeners				
Benz-a-anthracene	0.02265	mg/kg	0.1	0.002265
Chrysene	0.0294	mg/kg	0.01	0.000294
Benzo-b-fluoranthene	0.0368	mg/kg	0.1	0.00368
Benzo-k-fluoranthene	0.03085	mg/kg	0.1	0.003085
Benzo-a-pyrene	0.02905	mg/kg	1	0.02905
Dibenz-a,h-anthracene	0.0435	mg/kg	0.1	0.00435
Indeno-1,2,3-cd-pyrene	0.0409	mg/kg	0.1	0.00409
Sum of TTEC				0.046814
Conclusion: The TTEC for the c-PAH of this particular soil sample does not exceed the Method A cleanup level for benzo(a)pyrene (0.1 mg/kg). Therefore, the cleanup level for benzo(a)pyrene has been met for the particular soil sample.				

Station Name	SB15C	Reporting Units	Toxicity Equivalent Factor (TEF)	Total Toxicity Equivalent Concentration (TTEC) $\Sigma C_n \times TEF_n$
Laboratory Identification	L1165628-06 L1168120-06			
Sample Date	11/14/2019			
Depth Range	2 - 3 ft			
PAH Congeners				
Benz-a-anthracene	0.0456	mg/kg	0.1	0.00456
Chrysene	0.059	mg/kg	0.01	0.00059
Benzo-b-fluoranthene	0.074	mg/kg	0.1	0.0074
Benzo-k-fluoranthene	0.062	mg/kg	0.1	0.0062
Benzo-a-pyrene	0.0585	mg/kg	1	0.0585
Dibenz-a,h-anthracene	0.0875	mg/kg	0.1	0.00875
Indeno-1,2,3-cd-pyrene	0.082	mg/kg	0.1	0.0082
Sum of TTEC				0.0942
Conclusion: The TTEC for the c-PAH of this particular soil sample does not exceed the Method A cleanup level for benzo(a)pyrene (0.1 mg/kg). Therefore, the cleanup level for benzo(a)pyrene has been met for the particular soil sample.				

Station Name	SB15D	Reporting Units	Toxicity Equivalent Factor (TEF)	Total Toxicity Equivalent Concentration (TTEC) $\Sigma C_n \times TEF_n$
Laboratory Identification	L1165628-07 L1168120-07			
Sample Date	11/14/2019			
Depth Range	0 - 1 ft			
PAH Congeners				
Benz-a-anthracene	0.02285	mg/kg	0.1	0.002285
Chrysene	0.02965	mg/kg	0.01	0.0002965
Benzo-b-fluoranthene	0.03715	mg/kg	0.1	0.003715
Benzo-k-fluoranthene	0.0311	mg/kg	0.1	0.00311
Benzo-a-pyrene	0.0293	mg/kg	1	0.0293
Dibenz-a,h-anthracene	0.0439	mg/kg	0.1	0.00439
Indeno-1,2,3-cd-pyrene	0.04125	mg/kg	0.1	0.004125
Sum of TTEC				0.0472215
Conclusion: The TTEC for the c-PAH of this particular soil sample does not exceed the Method A cleanup level for benzo(a)pyrene (0.1 mg/kg). Therefore, the cleanup level for benzo(a)pyrene has been met for the particular soil sample.				

Table # 8
SOIL ANALYTICAL RESULTS - PAHS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	SB15D	Reporting Units	Toxicity Equivalent Factor (TEF)	Total Toxicity Equivalent Concentration (TTEC) $\Sigma C_n \times TEF_n$
Laboratory Identification	L1165628-07 L1168120-07			
Sample Date	11/14/2019			
Depth Range	2 - 3 ft			
PAH Congeners				
Benz-a-anthracene	0.0115	mg/kg	0.1	0.00115
Chrysene	0.0149	mg/kg	0.01	0.000149
Benzo-b-fluoranthene	0.01865	mg/kg	0.1	0.001865
Benzo-k-fluoranthene	0.0156	mg/kg	0.1	0.00156
Benzo-a-pyrene	0.0147	mg/kg	1	0.0147
Dibenz-a,h-anthracene	0.02205	mg/kg	0.1	0.002205
Indeno-1,2,3-cd-pyrene	0.02075	mg/kg	0.1	0.002075
Sum of TTEC				0.023704
Conclusion: The TTEC for the c-PAH of this particular soil sample does not exceed the Method A cleanup level for benzo(a)pyrene (0.1 mg/kg). Therefore, the cleanup level for benzo(a)pyrene has been met for the particular soil sample.				

Station Name	SB16	Reporting Units	Toxicity Equivalent Factor (TEF)	Total Toxicity Equivalent Concentration (TTEC) $\Sigma C_n \times TEF_n$
Laboratory Identification	L1161400-09 L1165576-09			
Sample Date	11/13/2019			
Depth Range	2 - 3 ft			
PAH Congeners				
Benz-a-anthracene	0.00475	mg/kg	0.1	0.000475
Chrysene	0.00615	mg/kg	0.01	0.0000615
Benzo-b-fluoranthene	0.0077	mg/kg	0.1	0.00077
Benzo-k-fluoranthene	0.00645	mg/kg	0.1	0.000645
Benzo-a-pyrene	0.0061	mg/kg	1	0.0061
Dibenz-a,h-anthracene	0.0091	mg/kg	0.1	0.00091
Indeno-1,2,3-cd-pyrene	0.00855	mg/kg	0.1	0.000855
Sum of TTEC				0.0098165
Conclusion: The TTEC for the c-PAH of this particular soil sample does not exceed the Method A cleanup level for benzo(a)pyrene (0.1 mg/kg). Therefore, the cleanup level for benzo(a)pyrene has been met for the particular soil sample.				

Station Name	SB16D	Reporting Units	Toxicity Equivalent Factor (TEF)	Total Toxicity Equivalent Concentration (TTEC) $\Sigma C_n \times TEF_n$
Laboratory Identification	L1168403-19			
Sample Date	11/13/2019			
Depth Range	1 - 2 ft			
PAH Congeners				
Benz-a-anthracene	0.00567	mg/kg	0.1	0.000567
Chrysene	0.0109	mg/kg	0.01	0.000109
Benzo-b-fluoranthene	0.00403	mg/kg	0.1	0.000403
Benzo-k-fluoranthene	0.003375	mg/kg	0.1	0.0003375
Benzo-a-pyrene	0.003175	mg/kg	1	0.003175
Dibenz-a,h-anthracene	0.00476	mg/kg	0.1	0.000476
Indeno-1,2,3-cd-pyrene	0.004475	mg/kg	0.1	0.0004475
Sum of TTEC				0.005515
Conclusion: The TTEC for the c-PAH of this particular soil sample does not exceed the Method A cleanup level for benzo(a)pyrene (0.1 mg/kg). Therefore, the cleanup level for benzo(a)pyrene has been met for the particular soil sample.				

Station Name	SB-17	Reporting Units	Toxicity Equivalent Factor (TEF)	Total Toxicity Equivalent Concentration (TTEC) $\Sigma C_n \times TEF_n$
Laboratory Identification	L1161400-11 L1166078-01			
Sample Date	11/13/2019			
Depth Range	0 - 1 ft			
PAH Congeners				
Benz-a-anthracene	0.0458	mg/kg	0.1	0.00458
Chrysene	0.0595	mg/kg	0.01	0.000595
Benzo-b-fluoranthene	0.0745	mg/kg	0.1	0.00745
Benzo-k-fluoranthene	0.0625	mg/kg	0.1	0.00625
Benzo-a-pyrene	0.0585	mg/kg	1	0.0585
Dibenz-a,h-anthracene	0.088	mg/kg	0.1	0.0088
Indeno-1,2,3-cd-pyrene	0.0825	mg/kg	0.1	0.00825
Sum of TTEC				0.094425
Conclusion: The TTEC for the c-PAH of this particular soil sample does not exceed the Method A cleanup level for benzo(a)pyrene (0.1 mg/kg). Therefore, the cleanup level for benzo(a)pyrene has been met for the particular soil sample.				

Table # 8
SOIL ANALYTICAL RESULTS - PAHS
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	SB-17	Reporting Units	Toxicity Equivalent Factor (TEF)	Total Toxicity Equivalent Concentration (TTEC) $\Sigma C_n \times TEF_n$
Laboratory Identification	L1165628-10			
Sample Date	11/13/2019			
Depth Range	1 - 2 ft			
PAH Congeners				
Benz-a-anthracene	0.0047	mg/kg	0.1	0.00047
Chrysene	0.0061	mg/kg	0.01	0.000061
Benzo-b-fluoranthene	0.00765	mg/kg	0.1	0.000765
Benzo-k-fluoranthene	0.0064	mg/kg	0.1	0.00064
Benzo-a-pyrene	0.006	mg/kg	1	0.006
Dibenz-a,h-anthracene	0.009	mg/kg	0.1	0.0009
Indeno-1,2,3-cd-pyrene	0.0085	mg/kg	0.1	0.00085
			Sum of TTEC	0.009686
Conclusion: The TTEC for the c-PAH of this particular soil sample does not exceed the Method A cleanup level for benzo(a)pyrene (0.1 mg/kg). Therefore, the cleanup level for benzo(a)pyrene has been met for the particular soil sample.				

Station Name	SB-17	Reporting Units	Toxicity Equivalent Factor (TEF)	Total Toxicity Equivalent Concentration (TTEC) $\Sigma C_n \times TEF_n$
Laboratory Identification	L1165628-11			
Sample Date	11/13/2019			
Depth Range	2 - 3 ft			
PAH Congeners				
Benz-a-anthracene	0.0024	mg/kg	0.1	0.00024
Chrysene	0.003115	mg/kg	0.01	0.00003115
Benzo-b-fluoranthene	0.0039	mg/kg	0.1	0.00039
Benzo-k-fluoranthene	0.003265	mg/kg	0.1	0.0003265
Benzo-a-pyrene	0.003075	mg/kg	1	0.003075
Dibenz-a,h-anthracene	0.004605	mg/kg	0.1	0.0004605
Indeno-1,2,3-cd-pyrene	0.00433	mg/kg	0.1	0.000433
Sum of TTEC			0.00495615	
Conclusion: The TTEC for the c-PAH of this particular soil sample does not exceed the Method A cleanup level for benzo(a)pyrene (0.1 mg/kg). Therefore, the cleanup level for benzo(a)pyrene has been met for the particular soil sample.				

Station Name	SB-17	Reporting Units	Toxicity Equivalent Factor (TEF)	Total Toxicity Equivalent Concentration (TTEC) $\Sigma C_n \times TEF_n$
Laboratory Identification	L1165628-12			
Sample Date	11/13/2019			
Depth Range	3 - 4 ft			
PAH Congeners				
Benz-a-anthracene	0.02315	mg/kg	0.1	0.002315
Chrysene	0.03	mg/kg	0.01	0.0003
Benzo-b-fluoranthene	0.0376	mg/kg	0.1	0.00376
Benzo-k-fluoranthene	0.0315	mg/kg	0.1	0.00315
Benzo-a-pyrene	0.02965	mg/kg	1	0.02965
Dibenz-a,h-anthracene	0.0444	mg/kg	0.1	0.00444
Indeno-1,2,3-cd-pyrene	0.04175	mg/kg	0.1	0.004175
Sum of TTEC			0.04779	
Conclusion: The TTEC for the c-PAH of this particular soil sample does not exceed the Method A cleanup level for benzo(a)pyrene (0.1 mg/kg). Therefore, the cleanup level for benzo(a)pyrene has been met for the particular soil sample.				

Station Name	SB-17B	Reporting Units	Toxicity Equivalent Factor (TEF)	Total Toxicity Equivalent Concentration (TTEC) $\Sigma C_n \times TEF_n$
Laboratory Identification	L1165628-13			
Sample Date	11/14/2019			
Depth Range	1 - 2 ft			
PAH Congeners				
Benz-a-anthracene	0.002345	mg/kg	0.1	0.0002345
Chrysene	0.00304	mg/kg	0.01	0.0000304
Benzo-b-fluoranthene	0.003805	mg/kg	0.1	0.0003805
Benzo-k-fluoranthene	0.00319	mg/kg	0.1	0.000319
Benzo-a-pyrene	0.003	mg/kg	1	0.003
Dibenz-a,h-anthracene	0.004495	mg/kg	0.1	0.0004495
Indeno-1,2,3-cd-pyrene	0.00423	mg/kg	0.1	0.000423
Sum of TTEC			0.0048369	
Conclusion: The TTEC for the c-PAH of this particular soil sample does not exceed the Method A cleanup level for benzo(a)pyrene (0.1 mg/kg). Therefore, the cleanup level for benzo(a)pyrene has been met for the particular soil sample.				

Table # 8
SOIL ANALYTICAL RESULTS - PAHs
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	SB-17B	Reporting Units	Toxicity Equivalent Factor (TEF)	Total Toxicity Equivalent Concentration (TTEC) $\Sigma C_n \times TEF_n$
Laboratory Identification	L1165628-14			
Sample Date	11/14/2019			
Depth Range	2 - 3 ft			
PAH Congeners				
Benz-a-anthracene	0.00463	mg/kg	0.1	0.000463
Chrysene	0.006	mg/kg	0.01	0.00006
Benzo-b-fluoranthene	0.0075	mg/kg	0.1	0.00075
Benzo-k-fluoranthene	0.0063	mg/kg	0.1	0.00063
Benzo-a-pyrene	0.00595	mg/kg	1	0.00595
Dibenz-a,h-anthracene	0.0089	mg/kg	0.1	0.00089
Indeno-1,2,3-cd-pyrene	0.00835	mg/kg	0.1	0.000835
Sum of TTEC				0.009578
Conclusion: The TTEC for the c-PAH of this particular soil sample does not exceed the Method A cleanup level for benzo(a)pyrene (0.1 mg/kg). Therefore, the cleanup level for benzo(a)pyrene has been met for the particular soil sample.				

Station Name	SB-17B	Reporting Units	Toxicity Equivalent Factor (TEF)	Total Toxicity Equivalent Concentration (TTEC) $\Sigma C_n \times TEF_n$
Laboratory Identification	L1165628-15			
Sample Date	11/14/2019			
Depth Range	3 - 4 ft			
PAH Congeners				
Benz-a-anthracene	0.0116	mg/kg	0.1	0.00116
Chrysene	0.01505	mg/kg	0.01	0.0001505
Benzo-b-fluoranthene	0.01885	mg/kg	0.1	0.001885
Benzo-k-fluoranthene	0.01575	mg/kg	0.1	0.001575
Benzo-a-pyrene	0.01485	mg/kg	1	0.01485
Dibenz-a,h-anthracene	0.02225	mg/kg	0.1	0.002225
Indeno-1,2,3-cd-pyrene	0.0209	mg/kg	0.1	0.00209
Sum of TTEC				0.0239355
Conclusion: The TTEC for the c-PAH of this particular soil sample does not exceed the Method A cleanup level for benzo(a)pyrene (0.1 mg/kg). Therefore, the cleanup level for benzo(a)pyrene has been met for the particular soil sample.				

Station Name	SB-17C	Reporting Units	Toxicity Equivalent Factor (TEF)	Total Toxicity Equivalent Concentration (TTEC) $\Sigma C_n \times TEF_n$
Laboratory Identification	L1161400-17 L1165576-11			
Sample Date	11/13/2019			
Depth Range	9 - 10 ft			
PAH Congeners				
Benz-a-anthracene	0.00249	mg/kg	0.1	0.000249
Chrysene	0.00323	mg/kg	0.01	0.0000323
Benzo-b-fluoranthene	0.004045	mg/kg	0.1	0.0004045
Benzo-k-fluoranthene	0.00339	mg/kg	0.1	0.000339
Benzo-a-pyrene	0.00319	mg/kg	1	0.00319
Dibenz-a,h-anthracene	0.00478	mg/kg	0.1	0.000478
Indeno-1,2,3-cd-pyrene	0.004495	mg/kg	0.1	0.0004495
Sum of TTEC				0.0051423
Conclusion: The TTEC for the c-PAH of this particular soil sample does not exceed the Method A cleanup level for benzo(a)pyrene (0.1 mg/kg). Therefore, the cleanup level for benzo(a)pyrene has been met for the particular soil sample.				

Station Name	SB-17C	Reporting Units	Toxicity Equivalent Factor (TEF)	Total Toxicity Equivalent Concentration (TTEC) $\Sigma C_n \times TEF_n$
Laboratory Identification	L1161400-18 L1165576-12			
Sample Date	11/13/2019			
Depth Range	14 - 15 ft			
PAH Congeners				
Benz-a-anthracene	0.002395	mg/kg	0.1	0.0002395
Chrysene	0.003105	mg/kg	0.01	0.00003105
Benzo-b-fluoranthene	0.00389	mg/kg	0.1	0.000389
Benzo-k-fluoranthene	0.00326	mg/kg	0.1	0.000326
Benzo-a-pyrene	0.003065	mg/kg	1	0.003065
Dibenz-a,h-anthracene	0.004595	mg/kg	0.1	0.0004595
Indeno-1,2,3-cd-pyrene	0.00432	mg/kg	0.1	0.000432
Sum of TTEC				0.00494205
Conclusion: The TTEC for the c-PAH of this particular soil sample does not exceed the Method A cleanup level for benzo(a)pyrene (0.1 mg/kg). Therefore, the cleanup level for benzo(a)pyrene has been met for the particular soil sample.				

Table # 8

SOIL ANALYTICAL RESULTS - PAHS

Former Payless Auto Mart

Federal Way, WA

TGE Project Nos.: R13411.01 - R13411.10

Station Name	SB-17D	Reporting Units	Toxicity Equivalent Factor (TEF)	Total Toxicity Equivalent Concentration (TTEC) $\Sigma C_n \times TEF_n$
Laboratory Identification	L1165628-18			
Sample Date	11/13/2019			
Depth Range	1 - 2 ft			
PAH Congeners				
Benz-a-anthracene	0.00241	mg/kg	0.1	0.000241
Chrysene	0.003125	mg/kg	0.01	0.00003125
Benzo-b-fluoranthene	0.00391	mg/kg	0.1	0.000391
Benzo-k-fluoranthene	0.003275	mg/kg	0.1	0.0003275
Benzo-a-pyrene	0.003085	mg/kg	1	0.003085
Dibenz-a,h-anthracene	0.00462	mg/kg	0.1	0.000462
Indeno-1,2,3-cd-pyrene	0.004345	mg/kg	0.1	0.0004345
Sum of TTEC				0.00497225
Conclusion: The TTEC for the c-PAH of this particular soil sample does not exceed the Method A cleanup level for benzo(a)pyrene (0.1 mg/kg). Therefore, the cleanup level for benzo(a)pyrene has been met for the particular soil sample.				

Station Name	SB-17D	Reporting Units	Toxicity Equivalent Factor (TEF)	Total Toxicity Equivalent Concentration (TTEC) $\Sigma C_n \times TEF_n$
Laboratory Identification	L1165628-19			
Sample Date	11/13/2019			
Depth Range	2 - 3 ft			
PAH Congeners				
Benz-a-anthracene	0.002495	mg/kg	0.1	0.0002495
Chrysene	0.003235	mg/kg	0.01	0.00003235
Benzo-b-fluoranthene	0.00405	mg/kg	0.1	0.000405
Benzo-k-fluoranthene	0.00339	mg/kg	0.1	0.000339
Benzo-a-pyrene	0.003195	mg/kg	1	0.003195
Dibenz-a,h-anthracene	0.004785	mg/kg	0.1	0.0004785
Indeno-1,2,3-cd-pyrene	0.0045	mg/kg	0.1	0.00045
Sum of TTEC				0.00514935
Conclusion: The TTEC for the c-PAH of this particular soil sample does not exceed the Method A cleanup level for benzo(a)pyrene (0.1 mg/kg). Therefore, the cleanup level for benzo(a)pyrene has been met for the particular soil sample.				

Station Name	SB-17D	Reporting Units	Toxicity Equivalent Factor (TEF)	Total Toxicity Equivalent Concentration (TTEC) $\Sigma C_n \times TEF_n$
Laboratory Identification	L1165628-20			
Sample Date	11/13/2019			
Depth Range	3 - 4 ft			
PAH Congeners				
Benz-a-anthracene	0.00239	mg/kg	0.1	0.000239
Chrysene	0.0031	mg/kg	0.01	0.000031
Benzo-b-fluoranthene	0.003885	mg/kg	0.1	0.0003885
Benzo-k-fluoranthene	0.003255	mg/kg	0.1	0.0003255
Benzo-a-pyrene	0.003065	mg/kg	1	0.003065
Dibenz-a,h-anthracene	0.00459	mg/kg	0.1	0.000459
Indeno-1,2,3-cd-pyrene	0.004315	mg/kg	0.1	0.0004315
Sum of TTEC				0.0049395
Conclusion: The TTEC for the c-PAH of this particular soil sample does not exceed the Method A cleanup level for benzo(a)pyrene (0.1 mg/kg). Therefore, the cleanup level for benzo(a)pyrene has been met for the particular soil sample.				

Station Name	SB-17F	Reporting Units	Toxicity Equivalent Factor (TEF)	Total Toxicity Equivalent Concentration (TTEC) $\Sigma C_n \times TEF_n$
Laboratory Identification	L1165628-16			
Sample Date	11/14/2019			
Depth Range	6 - 8 ft			
PAH Congeners				
Benz-a-anthracene	0.0515	mg/kg	0.1	0.00515
Chrysene	0.065	mg/kg	0.01	0.00065
Benzo-b-fluoranthene	0.08	mg/kg	0.1	0.008
Benzo-k-fluoranthene	0.065	mg/kg	0.1	0.0065
Benzo-a-pyrene	0.065	mg/kg	1	0.065
Dibenz-a,h-anthracene	0.095	mg/kg	0.1	0.0095
Indeno-1,2,3-cd-pyrene	0.09	mg/kg	0.1	0.009
Sum of TTEC				0.10
Conclusion: The TTEC for the c-PAH of this particular soil sample does not exceed the Method A cleanup level for benzo(a)pyrene (0.1 mg/kg). Therefore, the cleanup level for benzo(a)pyrene has been met for the particular soil sample.				

Table # 8
SOIL ANALYTICAL RESULTS - PAHs
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	SB-18	Reporting Units	Toxicity Equivalent Factor (TEF)	Total Toxicity Equivalent Concentration (TTEC) $\Sigma C_n \times TEF_n$
Laboratory Identification	L1161924-10			
Sample Date	11/14/2019			
Depth Range	2 - 3 ft			
PAH Congeners				
Benz-a-anthracene	0.02475	mg/kg	0.1	0.002475
Chrysene	0.0321	mg/kg	0.01	0.000321
Benzo-b-fluoranthene	0.0402	mg/kg	0.1	0.00402
Benzo-k-fluoranthene	0.03365	mg/kg	0.1	0.003365
Benzo-a-pyrene	0.0317	mg/kg	1	0.0317
Dibenz-a,h-anthracene	0.04745	mg/kg	0.1	0.004745
Indeno-1,2,3-cd-pyrene	0.04465	mg/kg	0.1	0.004465
Sum of TTEC				0.051091
Conclusion: The TTEC for the c-PAH of this particular soil sample does not exceed the Method A cleanup level for benzo(a)pyrene (0.1 mg/kg). Therefore, the cleanup level for benzo(a)pyrene has been met for the particular soil sample.				

Station Name	SB-18	Reporting Units	Toxicity Equivalent Factor (TEF)	Total Toxicity Equivalent Concentration (TTEC) $\Sigma C_n \times TEF_n$
Laboratory Identification	L1161924-11			
Sample Date	11/14/2019			
Depth Range	4 - 6 ft			
PAH Congeners				
Benz-a-anthracene	0.0458	mg/kg	0.1	0.00458
Chrysene	0.0595	mg/kg	0.01	0.000595
Benzo-b-fluoranthene	0.0745	mg/kg	0.1	0.00745
Benzo-k-fluoranthene	0.0625	mg/kg	0.1	0.00625
Benzo-a-pyrene	0.0585	mg/kg	1	0.0585
Dibenz-a,h-anthracene	0.088	mg/kg	0.1	0.0088
Indeno-1,2,3-cd-pyrene	0.0825	mg/kg	0.1	0.00825
Sum of TTEC				0.094425
Conclusion: The TTEC for the c-PAH of this particular soil sample does not exceed the Method A cleanup level for benzo(a)pyrene (0.1 mg/kg). Therefore, the cleanup level for benzo(a)pyrene has been met for the particular soil sample.				

Station Name	SB-20	Reporting Units	Toxicity Equivalent Factor (TEF)	Total Toxicity Equivalent Concentration (TTEC) $\Sigma C_n \times TEF_n$
Laboratory Identification	L1161924-15 L1165576-05			
Sample Date	11/14/2019			
Depth Range	2 - 3 ft			
PAH Congeners				
Benz-a-anthracene	0.004745	mg/kg	0.1	0.0004745
Chrysene	0.00615	mg/kg	0.01	0.0000615
Benzo-b-fluoranthene	0.0077	mg/kg	0.1	0.00077
Benzo-k-fluoranthene	0.00645	mg/kg	0.1	0.000645
Benzo-a-pyrene	0.0061	mg/kg	1	0.0061
Dibenz-a,h-anthracene	0.0091	mg/kg	0.1	0.00091
Indeno-1,2,3-cd-pyrene	0.00855	mg/kg	0.1	0.000855
Sum of TTEC				0.009816
Conclusion: The TTEC for the c-PAH of this particular soil sample does not exceed the Method A cleanup level for benzo(a)pyrene (0.1 mg/kg). Therefore, the cleanup level for benzo(a)pyrene has been met for the particular soil sample.				

Station Name	SB-20	Reporting Units	Toxicity Equivalent Factor (TEF)	Total Toxicity Equivalent Concentration (TTEC) $\Sigma C_n \times TEF_n$
Laboratory Identification	L1161924-16 L1165576-06			
Sample Date	11/14/2019			
Depth Range	4 - 6 ft			
PAH Congeners				
Benz-a-anthracene	0.024	mg/kg	0.1	0.0024
Chrysene	0.0311	mg/kg	0.01	0.000311
Benzo-b-fluoranthene	0.03895	mg/kg	0.1	0.003895
Benzo-k-fluoranthene	0.03265	mg/kg	0.1	0.003265
Benzo-a-pyrene	0.03075	mg/kg	1	0.03075
Dibenz-a,h-anthracene	0.04605	mg/kg	0.1	0.004605
Indeno-1,2,3-cd-pyrene	0.0433	mg/kg	0.1	0.00433
Sum of TTEC				0.049556
Conclusion: The TTEC for the c-PAH of this particular soil sample does not exceed the Method A cleanup level for benzo(a)pyrene (0.1 mg/kg). Therefore, the cleanup level for benzo(a)pyrene has been met for the particular soil sample.				

Table # 8

SOIL ANALYTICAL RESULTS - PAHs

Former Payless Auto Mart

Federal Way, WA

TGE Project Nos.: R13411.01 - R13411.10

Station Name	SB-21	Reporting Units	Toxicity Equivalent Factor (TEF)	Total Toxicity Equivalent Concentration (TTEC) $\Sigma C_n \times TEF_n$
Laboratory Identification	L1161924-18 L1165576-07			
Sample Date	11/14/2019			
Depth Range	2 - 3 ft			
PAH Congeners				
Benz-a-anthracene	0.02505	mg/kg	0.1	0.002505
Chrysene	0.0325	mg/kg	0.01	0.000325
Benzo-b-fluoranthene	0.0407	mg/kg	0.1	0.00407
Benzo-k-fluoranthene	0.03405	mg/kg	0.1	0.003405
Benzo-a-pyrene	0.03205	mg/kg	1	0.03205
Dibenz-a,h-anthracene	0.04805	mg/kg	0.1	0.004805
Indeno-1,2,3-cd-pyrene	0.0452	mg/kg	0.1	0.00452
Sum of TTEC				0.05168
Conclusion: The TTEC for the c-PAH of this particular soil sample does not exceed the Method A cleanup level for benzo(a)pyrene (0.1 mg/kg). Therefore, the cleanup level for benzo(a)pyrene has been met for the particular soil sample.				

Station Name	SB-21	Reporting Units	Toxicity Equivalent Factor (TEF)	Total Toxicity Equivalent Concentration (TTEC) $\Sigma C_n \times TEF_n$
Laboratory Identification	L1165628-23 L1161924-19			
Sample Date	11/14/2019			
Depth Range	4 - 6 ft			
PAH Congeners				
Benz-a-anthracene	0.0234	mg/kg	0.1	0.00234
Chrysene	0.03035	mg/kg	0.01	0.0003035
Benzo-b-fluoranthene	0.038	mg/kg	0.1	0.0038
Benzo-k-fluoranthene	0.0318	mg/kg	0.1	0.00318
Benzo-a-pyrene	0.02995	mg/kg	1	0.02995
Dibenz-a,h-anthracene	0.0449	mg/kg	0.1	0.00449
Indeno-1,2,3-cd-pyrene	0.0422	mg/kg	0.1	0.00422
Sum of TTEC				0.0482835
Conclusion: The TTEC for the c-PAH of this particular soil sample does not exceed the Method A cleanup level for benzo(a)pyrene (0.1 mg/kg). Therefore, the cleanup level for benzo(a)pyrene has been met for the particular soil sample.				

Station Name	SB-22	Reporting Units	Toxicity Equivalent Factor (TEF)	Total Toxicity Equivalent Concentration (TTEC) $\Sigma C_n \times TEF_n$
Laboratory Identification	L1161924-22			
Sample Date	11/14/2019			
Depth Range	2 - 3 ft			
PAH Congeners				
Benz-a-anthracene	0.0228	mg/kg	0.1	0.00228
Chrysene	0.02955	mg/kg	0.01	0.0002955
Benzo-b-fluoranthene	0.037	mg/kg	0.1	0.0037
Benzo-k-fluoranthene	0.031	mg/kg	0.1	0.0031
Benzo-a-pyrene	0.0292	mg/kg	1	0.0292
Dibenz-a,h-anthracene	0.0437	mg/kg	0.1	0.00437
Indeno-1,2,3-cd-pyrene	0.0411	mg/kg	0.1	0.00411
Sum of TTEC				0.0470555
Conclusion: The TTEC for the c-PAH of this particular soil sample does not exceed the Method A cleanup level for benzo(a)pyrene (0.1 mg/kg). Therefore, the cleanup level for benzo(a)pyrene has been met for the particular soil sample.				

Station Name	SB-22	Reporting Units	Toxicity Equivalent Factor (TEF)	Total Toxicity Equivalent Concentration (TTEC) $\Sigma C_n \times TEF_n$
Laboratory Identification	L1161924-23			
Sample Date	11/14/2019			
Depth Range	4 - 6 ft			
PAH Congeners				
Benz-a-anthracene	0.023	mg/kg	0.1	0.0023
Chrysene	0.0298	mg/kg	0.01	0.000298
Benzo-b-fluoranthene	0.0373	mg/kg	0.1	0.00373
Benzo-k-fluoranthene	0.03125	mg/kg	0.1	0.003125
Benzo-a-pyrene	0.02945	mg/kg	1	0.02945
Dibenz-a,h-anthracene	0.0441	mg/kg	0.1	0.00441
Indeno-1,2,3-cd-pyrene	0.04145	mg/kg	0.1	0.004145
Sum of TTEC				0.047458
Conclusion: The TTEC for the c-PAH of this particular soil sample does not exceed the Method A cleanup level for benzo(a)pyrene (0.1 mg/kg). Therefore, the cleanup level for benzo(a)pyrene has been met for the particular soil sample.				

Table # 8

SOIL ANALYTICAL RESULTS - PAHs

Former Payless Auto Mart

Federal Way, WA

TGE Project Nos.: R13411.01 - R13411.10

Station Name	BAY 1 SUMP N SIDEWALL	Reporting Units	Toxicity Equivalent Factor (TEF)	Total Toxicity Equivalent Concentration (TTEC) $\Sigma C_n \times TEF_n$
Laboratory Identification	L1184753-04 L1187323-03			
Sample Date	1/29/2020			
Depth Range	4 ft			
PAH Congeners				
Benz-a-anthracene	0.002535	mg/kg	0.1	0.0002535
Chrysene	0.003285	mg/kg	0.01	0.00003285
Benzo-b-fluoranthene	0.004115	mg/kg	0.1	0.0004115
Benzo-k-fluoranthene	0.003445	mg/kg	0.1	0.0003445
Benzo-a-pyrene	0.003245	mg/kg	1	0.003245
Dibenz-a,h-anthracene	0.00486	mg/kg	0.1	0.000486
Indeno-1,2,3-cd-pyrene	0.00457	mg/kg	0.1	0.000457
Sum of TTEC				0.00523035
Conclusion: The TTEC for the c-PAH of this particular soil sample does not exceed the Method A cleanup level for benzo(a)pyrene (0.1 mg/kg). Therefore, the cleanup level for benzo(a)pyrene has been met for the particular soil sample.				

Station Name	BAY 3 SUMP BASE	Reporting Units	Toxicity Equivalent Factor (TEF)	Total Toxicity Equivalent Concentration (TTEC) $\Sigma C_n \times TEF_n$
Laboratory Identification	L1184753-09 L1187323-05			
Sample Date	1/29/2020			
Depth Range	5 ft			
PAH Congeners				
Benz-a-anthracene	0.004815	mg/kg	0.1	0.0004815
Chrysene	0.00625	mg/kg	0.01	0.0000625
Benzo-b-fluoranthene	0.0078	mg/kg	0.1	0.00078
Benzo-k-fluoranthene	0.00655	mg/kg	0.1	0.000655
Benzo-a-pyrene	0.00615	mg/kg	1	0.00615
Dibenz-a,h-anthracene	0.00925	mg/kg	0.1	0.000925
Indeno-1,2,3-cd-pyrene	0.0087	mg/kg	0.1	0.00087
Sum of TTEC				0.009924
Conclusion: The TTEC for the c-PAH of this particular soil sample does not exceed the Method A cleanup level for benzo(a)pyrene (0.1 mg/kg). Therefore, the cleanup level for benzo(a)pyrene has been met for the particular soil sample.				

Station Name	BAY 3 SUMP 2 FT BELOW BASE	Reporting Units	Toxicity Equivalent Factor (TEF)	Total Toxicity Equivalent Concentration (TTEC) $\Sigma C_n \times TEF_n$
Laboratory Identification	L1187323-08			
Sample Date	1/29/2020			
Depth Range	7 ft			
PAH Congeners				
Benz-a-anthracene	0.0235	mg/kg	0.1	0.00235
Chrysene	0.0305	mg/kg	0.01	0.000305
Benzo-b-fluoranthene	0.03815	mg/kg	0.1	0.003815
Benzo-k-fluoranthene	0.03195	mg/kg	0.1	0.003195
Benzo-a-pyrene	0.0301	mg/kg	1	0.0301
Dibenz-a,h-anthracene	0.0451	mg/kg	0.1	0.00451
Indeno-1,2,3-cd-pyrene	0.0424	mg/kg	0.1	0.00424
Sum of TTEC				0.048515
Conclusion: The TTEC for the c-PAH of this particular soil sample does not exceed the Method A cleanup level for benzo(a)pyrene (0.1 mg/kg). Therefore, the cleanup level for benzo(a)pyrene has been met for the particular soil sample.				

Station Name	EXT SUMP S SIDEWALL	Reporting Units	Toxicity Equivalent Factor (TEF)	Total Toxicity Equivalent Concentration (TTEC) $\Sigma C_n \times TEF_n$
Laboratory Identification	L1184753-16 L1187323-06			
Sample Date	1/29/2020			
Depth Range	3 ft			
PAH Congeners				
Benz-a-anthracene	0.00249	mg/kg	0.1	0.000249
Chrysene	0.00323	mg/kg	0.01	0.0000323
Benzo-b-fluoranthene	0.004045	mg/kg	0.1	0.0004045
Benzo-k-fluoranthene	0.003385	mg/kg	0.1	0.0003385
Benzo-a-pyrene	0.00319	mg/kg	1	0.00319
Dibenz-a,h-anthracene	0.004775	mg/kg	0.1	0.0004775
Indeno-1,2,3-cd-pyrene	0.00449	mg/kg	0.1	0.000449
Sum of TTEC				0.0051408
Conclusion: The TTEC for the c-PAH of this particular soil sample does not exceed the Method A cleanup level for benzo(a)pyrene (0.1 mg/kg). Therefore, the cleanup level for benzo(a)pyrene has been met for the particular soil sample.				

Table # 8
SOIL ANALYTICAL RESULTS - PAHs
Former Payless Auto Mart
Federal Way, WA
TGE Project Nos.: R13411.01 - R13411.10

Station Name	SUMP LINE MIDPOINT	Reporting Units	Toxicity Equivalent Factor (TEF)	Total Toxicity Equivalent Concentration (TTEC) ΣCn * TEFn
Laboratory Identification	L1184715-01 L1187323-01 L1190051-01			
Sample Date	1/29/2020			
Depth Range	1 ft			
PAH Congeners				
Benz-a-anthracene	0.0381	mg/kg	0.1	0.00381
Chrysene	0.0576	mg/kg	0.01	0.000576
Benzo-b-fluoranthene	0.0825	mg/kg	0.1	0.00825
Benzo-k-fluoranthene	0.02235	mg/kg	0.1	0.002235
Benzo-a-pyrene	0.0456	mg/kg	1	0.0456
Dibenz-a,h-anthracene	0.0315	mg/kg	0.1	0.00315
Indeno-1,2,3-cd-pyrene	0.02965	mg/kg	0.1	0.002965
Sum of TTEC			0.066586	
Conclusion: The TTEC for the c-PAH of this particular soil sample does not exceed the Method A cleanup level for benzo(a)pyrene (0.1 mg/kg). Therefore, the cleanup level for benzo(a)pyrene has been met for the particular soil sample.				

Station Name	SB-46	Reporting Units	Toxicity Equivalent Factor (TEF)	Total Toxicity Equivalent Concentration (TTEC) $\Sigma C_n \times TEF_n$
Laboratory Identification	L1178043-28 L1180378-12			
Sample Date	1/8/2020			
Depth Range	1 - 2 ft			
PAH Congeners				
Benz-a-anthracene	0.00603	mg/kg	0.1	0.000603
Chrysene	0.0141	mg/kg	0.01	0.000141
Benzo-b-fluoranthene	0.0003215	mg/kg	0.1	0.00003215
Benzo-k-fluoranthene	0.0003215	mg/kg	0.1	0.00003215
Benzo-a-pyrene	0.0126	mg/kg	1	0.0126
Dibenz-a,h-anthracene	0.0003215	mg/kg	0.1	0.00003215
Indeno-1,2,3-cd-pyrene	0.0003215	mg/kg	0.1	0.00003215
Sum of TTEC			0.0134726	
Conclusion: The TTEC for the c-PAH of this particular soil sample does not exceed the Method A cleanup level for benzo(a)pyrene (0.1 mg/kg). Therefore, the cleanup level for benzo(a)pyrene has been met for the particular soil sample.				

Station Name	SB-50	Reporting Units	Toxicity Equivalent Factor (TEF)	Total Toxicity Equivalent Concentration (TTEC) $\Sigma C_n \times TEF_n$
Laboratory Identification	L1177542-58 L1180378-10			
Sample Date	1/7/2020			
Depth Range	0 - 1 ft			
PAH Congeners				
Benz-a-anthracene	0.0175	mg/kg	0.1	0.00175
Chrysene	0.0447	mg/kg	0.01	0.000447
Benzo-b-fluoranthene	0.0003265	mg/kg	0.1	0.00003265
Benzo-k-fluoranthene*	0.0003265	mg/kg	0.1	0.00003265
Benzo-a-pyrene	0.0364	mg/kg	1	0.0364
Dibenz-a,h-anthracene*	0.0003265	mg/kg	0.1	0.00003265
Indeno-1,2,3-cd-pyrene	0.0003265	mg/kg	0.1	0.00003265
Sum of TTEC			0.0387276	
Conclusion: The TTEC for the c-PAH of this particular soil sample does not exceed the Method A cleanup level for benzo(a)pyrene (0.1 mg/kg). Therefore, the cleanup level for benzo(a)pyrene has been met for the particular soil sample.				

Notes:	Cn	Concentration of each congener (n) in the PAH mixture
	TEFn	Toxicity equivalency factor for the specific congener (n). As per Department of Ecology Implementation Memorandum #10 dated April 20, 2015 titled "Evaluating the Human Health Toxicity of Carcinogenic PAHs (CPAHs) Using Toxicity Equivalency Factors (TEFs)" TEF approach can be used to convert individual PAH site concentrations into a single concentration of the index chemical benzo(a) pyrene, as required by WAC 173-340-708(8)(e) in the Model Toxics Control Act (MTCA) rule.
	TTEC	Total Toxicity Equivalent Concentration which is determined by comparing the TTEC for the sample with the appropriate cleanup level for benzo(a)pyrene
	LOD	Level of Detection. When an analytical result as determined by a qualified laboratory for a PAH congener to be below the LOD, a value of 'zero' may be used for the concentration when determining TTEC
	*	As per Department of Ecology Implementation Memorandum #10 dated April 20, 2015 titled "Evaluating the Human Health Toxicity of Carcinogenic PAHs (CPAHs) Using Toxicity Equivalency Factors (TEFs)", concentrations represented above for benzo-b-fluoranthene, benzo-k-fluoranthene, dibenz-a,h-anthracene and indeno-1,2,3-cd-pyrene were reported by the analytical laboratory as 'non detect'. For purposes of calculating Total Toxic Equivalent Concentration (TEQ), non-detect concentrations that have been detected in those samples at the site are to be assigned a value of one-half the detection limit.

APPENDIX A



Photograph 1. View of eastern portion of former site building (employee offices) prior to demolition, looking south from Pacific Highway South.



Photograph 2. View of western portion of former site building (automotive repair) prior to demolition, looking south from Pacific Highway South.



Photograph 3. View of former vehicle storage area looking north from southwest corner of property.



Photograph 4. A former sump as observed within western most automotive bay (Bay 1).



Photograph 5. View of former exterior sump located along western limits of former site building.



Photograph 6. A former sump as observed within center automotive bay (Bay 3) prior to removal.



Photograph 7. Installation of soil boring SB-5 within the south-central portion of the Site, associated with the former fueling station UST area.



Photograph 8. Installation of soil boring SB-15B, down-gradient of the reported former commercial greenhouse that operated within the northwestern limits of the Site.



Photograph 9. Installation activities for soil boring B-6, adjacent to the former waste storage area in the rear of Bay 3.



Photograph 10. Overview of western portion of Site prior to supplemental assessment.



Photograph 11. View of removal of former sump observed within western most automotive bay (Bay 1).



Photograph 12. View of "Plume E" prior to excavation along the eastern Site limits as identified using GPS coordinates from previously completed soil borings.



Photograph 13. Impervious surface (asphalt) removal prior to excavation of “Area C4”, looking northwest.



Photograph 14. Excavation of “Area A5” and “Area A2” for removal of arsenic-impacted soil at location of former commercial greenhouse.



Photograph 15. Discovery of buried construction debris (analytically characterized as asbestos containing material) within the southern portion of the site discovered during sanitary sewer installation.



Photograph 16. View of “Area B1” (looking southwest) following over-excavation.



Photograph 17. Loading of hydrocarbon-impacted soil from “Area B2”.



Photograph 18. View of backfilling and compaction of “Area E” following completion of excavation.

APPENDIX B



Voluntary Cleanup Program

Washington State Department of Ecology Toxics Cleanup Program

TERRESTRIAL ECOLOGICAL EVALUATION FORM

Under the Model Toxics Control Act (MTCA), a terrestrial ecological evaluation is necessary if hazardous substances are released into the soils at a Site. In the event of such a release, you must take one of the following three actions as part of your investigation and cleanup of the Site:

1. Document an exclusion from further evaluation using the criteria in WAC 173-340-7491.
2. Conduct a simplified evaluation as set forth in WAC 173-340-7492.
3. Conduct a site-specific evaluation as set forth in WAC 173-340-7493.

When requesting a written opinion under the Voluntary Cleanup Program (VCP), you must complete this form and submit it to the Department of Ecology (Ecology). The form documents the type and results of your evaluation.

Completion of this form is not sufficient to document your evaluation. You still need to document your analysis and the basis for your conclusion in your cleanup plan or report.

If you have questions about how to conduct a terrestrial ecological evaluation, please contact the Ecology site manager assigned to your Site. For additional guidance, please refer to <https://ecology.wa.gov/Regulations-Permits/Guidance-technical-assistance/Terrestrial-ecological-evaluation>

Step 1: IDENTIFY HAZARDOUS WASTE SITE

Please identify below the hazardous waste site for which you are documenting an evaluation.

Facility/Site Name: Former Payless Auto Mart

Facility/Site Address: 29805 Pacific Highway South, Federal Way, King County, Washington

Facility/Site No: 7222592

VCP Project No.: NW3270

Step 2: IDENTIFY EVALUATOR

Please identify below the person who conducted the evaluation and their contact information.

Name: Timothy E. Crump, P.G.

Title: Project Manager

Organization: TGE Resources, Inc.

Mailing address: 8048 Northcourt Road

City: Houston

State: TX

Zip code: 77040

Phone: 713-744-5800

Fax: 713-744-5888

E-mail: tecump@tgeresources.com

Step 3: DOCUMENT EVALUATION TYPE AND RESULTS

A. Exclusion from further evaluation.

1. Does the Site qualify for an exclusion from further evaluation?

- ☐ Yes *If you answered "YES," then answer **Question 2**.*
- ☒ No or Unknown *If you answered "NO" or "UNKNOWN," then skip to **Step 3B** of this form.*

2. What is the basis for the exclusion? Check all that apply. Then skip to **Step 4** of this form.

Point of Compliance: WAC 173-340-7491(1)(a)

- ☐ All soil contamination is, or will be,* at least 15 feet below the surface.
- ☐ All soil contamination is, or will be,* at least 6 feet below the surface (or alternative depth if approved by Ecology), and institutional controls are used to manage remaining contamination.

Barriers to Exposure: WAC 173-340-7491(1)(b)

- ☐ All contaminated soil, is or will be,* covered by physical barriers (such as buildings or paved roads) that prevent exposure to plants and wildlife, and institutional controls are used to manage remaining contamination.

Undeveloped Land: WAC 173-340-7491(1)(c)

- ☐ There is less than 0.25 acres of contiguous[#] undeveloped[±] land on or within 500 feet of any area of the Site and any of the following chemicals is present: chlorinated dioxins or furans, PCB mixtures, DDT, DDE, DDD, aldrin, chlordane, dieldrin, endosulfan, endrin, heptachlor, heptachlor epoxide, benzene hexachloride, toxaphene, hexachlorobenzene, pentachlorophenol, or pentachlorobenzene.
- ☐ For sites not containing any of the chemicals mentioned above, there is less than 1.5 acres of contiguous[#] undeveloped[±] land on or within 500 feet of any area of the Site.

Background Concentrations: WAC 173-340-7491(1)(d)

- ☐ Concentrations of hazardous substances in soil do not exceed natural background levels as described in WAC 173-340-200 and 173-340-709.

* An exclusion based on future land use must have a completion date for future development that is acceptable to Ecology.

± "Undeveloped land" is land that is not covered by building, roads, paved areas, or other barriers that would prevent wildlife from feeding on plants, earthworms, insects, or other food in or on the soil.

"Contiguous" undeveloped land is an area of undeveloped land that is not divided into smaller areas of highways, extensive paving, or similar structures that are likely to reduce the potential use of the overall area by wildlife.

B. Simplified evaluation.

1. Does the Site qualify for a simplified evaluation?

- ☒ Yes *If you answered "YES," then answer **Question 2** below.*
- ☐ No or Unknown *If you answered "NO" or "UNKNOWN," then skip to **Step 3C** of this form.*

2. Did you conduct a simplified evaluation?

- ☒ Yes *If you answered "YES," then answer **Question 3** below.*
- ☐ No *If you answered "NO," then skip to **Step 3C** of this form.*

3. Was further evaluation necessary?

- ☒ Yes *If you answered "YES," then answer **Question 4** below.*
- ☐ No *If you answered "NO," then answer **Question 5** below.*

4. If further evaluation was necessary, what did you do?

- ☒ Used the concentrations listed in Table 749-2 as cleanup levels. *If so, then skip to **Step 4** of this form.*
- ☐ Conducted a site-specific evaluation. *If so, then skip to **Step 3C** of this form.*

5. If no further evaluation was necessary, what was the reason? Check all that apply. Then skip to **Step 4** of this form.

Exposure Analysis: WAC 173-340-7492(2)(a)

- ☐ Area of soil contamination at the Site is not more than 350 square feet.
- ☐ Current or planned land use makes wildlife exposure unlikely. Used Table 749-1.

Pathway Analysis: WAC 173-340-7492(2)(b)

- ☐ No potential exposure pathways from soil contamination to ecological receptors.

Contaminant Analysis: WAC 173-340-7492(2)(c)

- ☐ No contaminant listed in Table 749-2 is, or will be, present in the upper 15 feet at concentrations that exceed the values listed in Table 749-2.
- ☐ No contaminant listed in Table 749-2 is, or will be, present in the upper 6 feet (or alternative depth if approved by Ecology) at concentrations that exceed the values listed in Table 749-2, and institutional controls are used to manage remaining contamination.
- ☐ No contaminant listed in Table 749-2 is, or will be, present in the upper 15 feet at concentrations likely to be toxic or have the potential to bioaccumulate as determined using Ecology-approved bioassays.
- ☐ No contaminant listed in Table 749-2 is, or will be, present in the upper 6 feet (or alternative depth if approved by Ecology) at concentrations likely to be toxic or have the potential to bioaccumulate as determined using Ecology-approved bioassays, and institutional controls are used to manage remaining contamination.

C. Site-specific evaluation. A site-specific evaluation process consists of two parts: (1) formulating the problem, and (2) selecting the methods for addressing the identified problem. Both steps require consultation with and approval by Ecology. See WAC 173-340-7493(1)(c).

1. Was there a problem? See WAC 173-340-7493(2).

- ☐ Yes *If you answered "YES," then answer **Question 2** below.*
- ☐ No *If you answered "NO," then identify the reason here and then skip to **Question 5** below:*
- ☐ No issues were identified during the problem formulation step.
 - ☐ While issues were identified, those issues were addressed by the cleanup actions for protecting human health.

2. What did you do to resolve the problem? See WAC 173-340-7493(3).

- ☐ Used the concentrations listed in Table 749-3 as cleanup levels. *If so, then skip to **Question 5** below.*
- ☐ Used one or more of the methods listed in WAC 173-340-7493(3) to evaluate and address the identified problem. *If so, then answer **Questions 3 and 4** below.*

3. If you conducted further site-specific evaluations, what methods did you use?
Check all that apply. See WAC 173-340-7493(3).

- ☐ Literature surveys.
- ☐ Soil bioassays.
- ☐ Wildlife exposure model.
- ☐ Biomarkers.
- ☐ Site-specific field studies.
- ☐ Weight of evidence.
- ☐ Other methods approved by Ecology. If so, please specify:

4. What was the result of those evaluations?

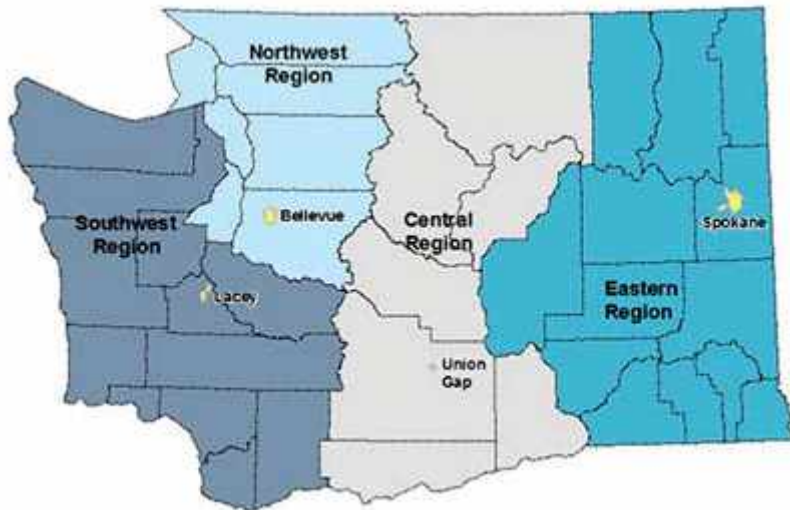
- ☐ Confirmed there was no problem.
- ☐ Confirmed there was a problem and established site-specific cleanup levels.

5. Have you already obtained Ecology's approval of both your problem formulation and problem resolution steps?

- ☐ Yes If so, please identify the Ecology staff who approved those steps:
- ☐ No

Step 4: SUBMITTAL

Please mail your completed form to the Ecology site manager assigned to your Site. If a site manager has not yet been assigned, please mail your completed form to the Ecology regional office for the County in which your Site is located.



Northwest Region: Attn: VCP Coordinator 3190 160 th Ave. SE Bellevue, WA 98008-5452	Central Region: Attn: VCP Coordinator 1250 West Alder St. Union Gap, WA 98903-0009
Southwest Region: Attn: VCP Coordinator P.O. Box 47775 Olympia, WA 98504-7775	Eastern Region: Attn: VCP Coordinator N. 4601 Monroe Spokane WA 99205-1295

If you need this publication in an alternate format, please call the Toxics Cleanup Program at 360-407-7170. People with hearing loss can call 711 for Washington Relay Service. People with a speech disability can call 877-833-6341.

Table 749-1

**Simplified Terrestrial Ecological Evaluation-Exposure Analysis Procedure
Former Payless Auto Sales, Repossession and Auto Repair Facility
29805 Pacific Highway South, Federal Way, King County, Washington**

Estimate the area of contiguous (connected) <u>undeveloped land</u> on the site or within 500 feet of any area of the site to the nearest 1/2 acre (1/4 acre if the area is less than 0.5 acre).																						
1) From the table below, find the number of points corresponding to the area and enter this number in the field to the right.		12																				
	<table border="1"> <thead> <tr> <th>Area (acres)</th> <th>Points</th> </tr> </thead> <tbody> <tr> <td>0.25 or less</td> <td>4</td> </tr> <tr> <td>0.5</td> <td>5</td> </tr> <tr> <td>1.0</td> <td>6</td> </tr> <tr> <td>1.5</td> <td>7</td> </tr> <tr> <td>2.0</td> <td>8</td> </tr> <tr> <td>2.5</td> <td>9</td> </tr> <tr> <td>3.0</td> <td>10</td> </tr> <tr> <td>3.5</td> <td>11</td> </tr> <tr> <td>4.0 or more</td> <td>12</td> </tr> </tbody> </table>	Area (acres)	Points	0.25 or less	4	0.5	5	1.0	6	1.5	7	2.0	8	2.5	9	3.0	10	3.5	11	4.0 or more	12	
Area (acres)	Points																					
0.25 or less	4																					
0.5	5																					
1.0	6																					
1.5	7																					
2.0	8																					
2.5	9																					
3.0	10																					
3.5	11																					
4.0 or more	12																					
2) Is this an <u>industrial</u> or <u>commercial</u> property? If yes, enter a score of 3. If no, enter a score of 1		3																				
3) ^a Enter a score in the box to the right for the habitat quality of the site, using the following rating system ^b . High=1, Intermediate=2, Low=3		1																				
4) Is the undeveloped land likely to attract wildlife? If yes, enter a score of 1 in the box to the right. If no, enter a score of 2. ^c		2																				
5) Are there any of the following soil contaminants present: Chlorinated dioxins/furans, PCB mixtures, DDT, DDE, DDD, aldrin, chlordane, dieldrin, endosulfan, endrin, heptachlor, benzene hexachloride, toxaphene, hexachlorobenzene, pentachlorophenol, pentachlorobenzene? If yes, enter a score of 1 in the box to the right. If no, enter a score of 4.		1																				
6) Add the numbers in the boxes on lines 2-5 and enter this number in the box to the right. If this number is larger than the number in the box on line 1, the simplified evaluation may be ended.		7																				

Notes for Table 749-1

^a It is expected that this habitat evaluation will be undertaken by an experienced field biologist. If this is not the case, enter a conservative score of (1) for questions 3 and 4.

^b **Habitat rating system.** Rate the quality of the habitat as high, intermediate or low based on your professional judgment as a field biologist. The following are suggested factors to consider in making this evaluation:

Low: Early successional vegetative stands; vegetation predominantly noxious, nonnative, exotic plant species or weeds. Areas severely disturbed by human activity, including intensively cultivated croplands. Areas isolated from other habitat used by wildlife.

High: Area is ecologically significant for one or more of the following reasons: Late-[successional](#) native plant communities present; relatively high species diversity; used by an uncommon or rare species; [priority habitat](#) (as defined by the Washington Department of fish and Wildlife); part of a larger area of habitat where size or fragmentation may be important for the retention of some species.

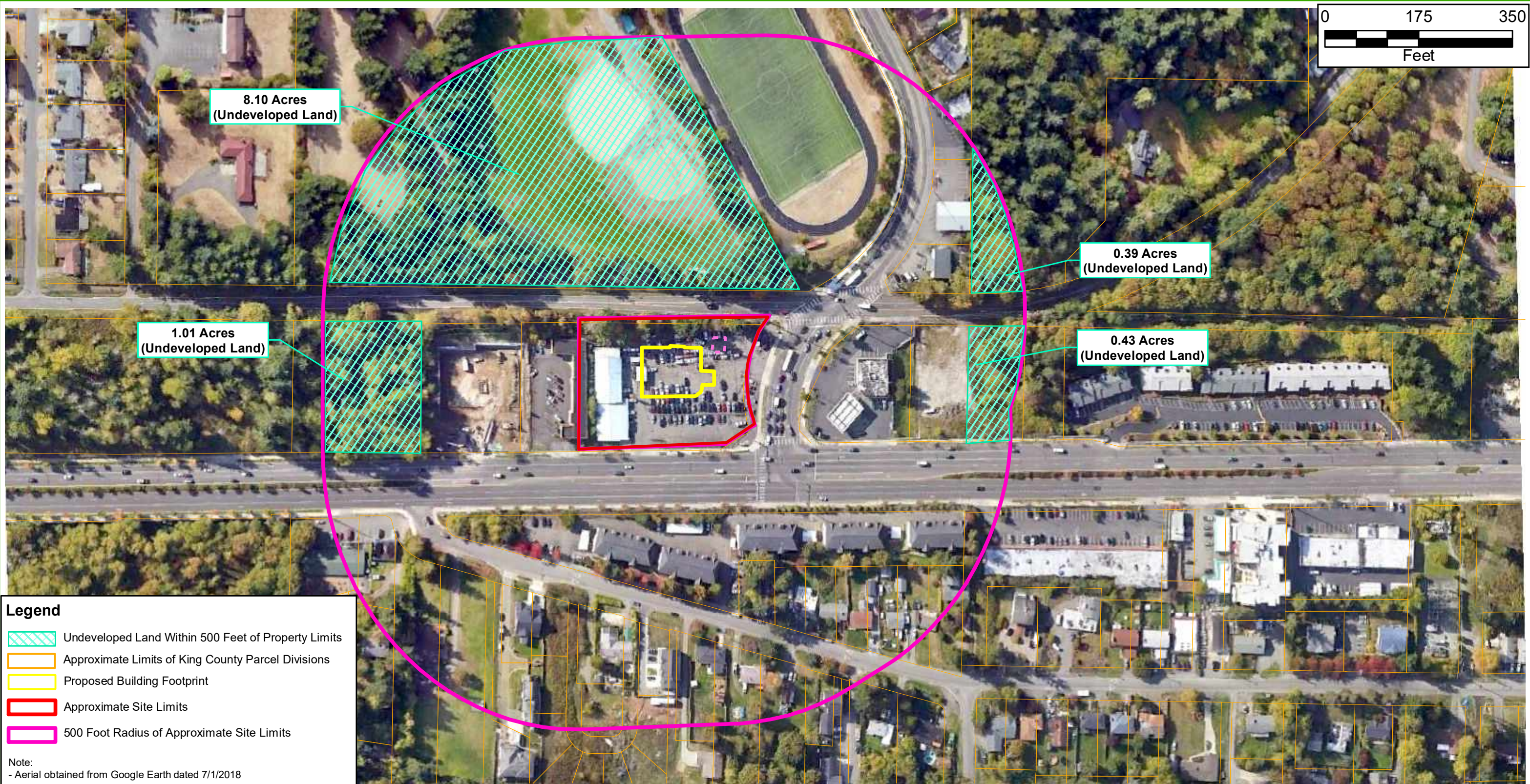
Intermediate: Area does not rate as either high or low.

^c Indicate "yes" if the area attracts wildlife or is likely to do so. Examples: Birds frequently visit the area to feed; evidence of high use b mammals (tracks, scat, etc.); habitat "island" in an industrial area; unusual features of an area that make it important for feeding animals; heavy use during seasonal migrations.

[\[Area Calculation Aid\]](#) [\[Aerial Photo with Area Designations\]](#) [\[TEE Table 749-1\]](#) [\[Index of Tables\]](#)

[\[Exclusions Main\]](#) [\[TEE Definitions\]](#) [\[Simplified or Site-Specific?\]](#) [\[Simplified Ecological Evaluation\]](#) [\[Site-Specific Ecological Evaluation\]](#) [\[WAC 173-340-7493\]](#)

[\[TEE Home\]](#)



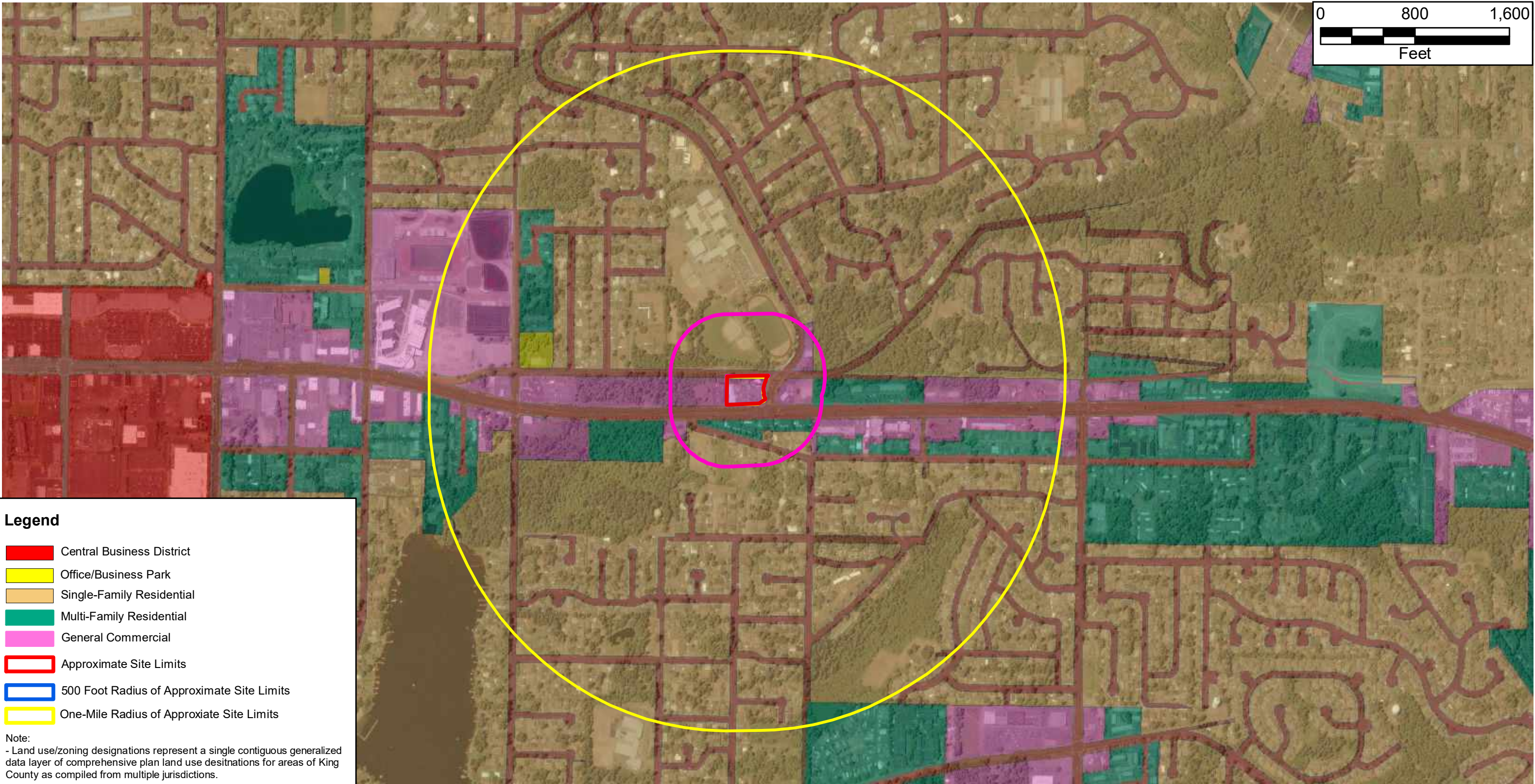
**Former Payless Auto Mart
29805 Pacific Highway South
Federal Way, King County, Washington
TGE Project No.: R13411.07**



**Undeveloped Land Use
(500 Feet of Property Limits)**

The first part of the paper discusses the importance of the research and the objectives of the study. It then presents a literature review of the existing research on the topic. The second part of the paper describes the methodology used in the study, including the data sources and the statistical techniques employed. The third part of the paper presents the results of the study, which show that there is a significant positive relationship between the variables studied. The final part of the paper discusses the implications of the findings and suggests areas for further research.

The results of the study indicate that the relationship between the variables is robust across different samples and time periods. This suggests that the findings are generalizable and can be used to inform policy and practice. The study also highlights the need for further research to explore the underlying mechanisms of the relationship and to test the findings in different contexts.



Legend

- Central Business District
- Office/Business Park
- Single-Family Residential
- Multi-Family Residential
- General Commercial
- Approximate Site Limits
- 500 Foot Radius of Approximate Site Limits
- One-Mile Radius of Approximate Site Limits

Note:
- Land use/zoning designations represent a single contiguous generalized data layer of comprehensive plan land use designations for areas of King County as compiled from multiple jurisdictions.

Former Payless Auto Mart
29805 Pacific Highway South
Federal Way, King County, Washington
TGE Project No.: R13411.06



TGE
TGERESOURCES, INC.
8048 Northcourt Road
Houston, Texas 77040



King County Zoning
Designations Map

the 1990s, the number of people in the UK who are employed in the public sector has increased by 1.5 million, from 2.5 million in 1980 to 4 million in 1995 (Department of Health 1996).

There is a growing emphasis on the need to improve the quality of care in the public sector. The Department of Health (1996) has set out a number of key objectives for the public sector, including the need to improve the quality of care, to reduce waiting times, to improve the efficiency of the system, and to improve the financial performance of the system.

One of the key challenges facing the public sector is the need to improve the quality of care. This is a complex task, as it involves a range of factors, including the quality of the staff, the quality of the facilities, and the quality of the services. The Department of Health (1996) has set out a number of key objectives for the public sector, including the need to improve the quality of care, to reduce waiting times, to improve the efficiency of the system, and to improve the financial performance of the system.

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Occurrence Name	Federal Status	State Status	Generalized Location
Coho	N/A	N/A	No
Resident Coastal Cutthroat	N/A	N/A	No
Winter Steelhead	N/A	N/A	No
Biodiversity Areas And Corridor	N/A	N/A	No
Wetlands	N/A	N/A	No
Waterfowl Concentrations	N/A	N/A	No
Lake	N/A	N/A	No
Freshwater Emergent Wetland	N/A	N/A	No
Freshwater Forested/Shrub Wetland	N/A	N/A	No

PHS Species/Habitats Details:

Coho	
Scientific Name	<i>Oncorhynchus kisutch</i>
Priority Area	Occurrence/Migration
Accuracy	NA
Notes	LLID: 1223235473484, Fish Name: Coho Salmon, Run Time: Unknown or not Applicable, Life History: Anadromous
Source Record	41004
Source Dataset	SWIFD
Federal Status	N/A
State Status	N/A
PHS Listing Status	PHS Listed Occurrence
Sensitive	N
SGCN	N
Display Resolution	AS MAPPED
More Info	http://wdfw.wa.gov/wlm/diversty/soc/soc.htm
Geometry Type	Lines

Coho	
Scientific Name	<i>Oncorhynchus kisutch</i>
Priority Area	Occurrence/Migration
Accuracy	NA
Notes	LLID: 1223326473434, Fish Name: Coho Salmon, Run Time: Unknown or not Applicable, Life History: Anadromous
Source Record	41378
Source Dataset	SWIFD
Federal Status	N/A
State Status	N/A
PHS Listing Status	PHS Listed Occurrence
Sensitive	N
SGCN	N
Display Resolution	AS MAPPED
More Info	http://wdfw.wa.gov/wlm/diversty/soc/soc.htm
Geometry Type	Lines

Resident Coastal Cutthroat	
Scientific Name	<i>Oncorhynchus clarki</i>
Priority Area	Occurrence/Migration
Accuracy	NA
Notes	LLID: 1223216473479, Fish Name: Cutthroat Trout, Run Time: Unknown or not Applicable, Life History: Unknown
Source Record	40912
Source Dataset	SWIFD
Federal Status	N/A
State Status	N/A
PHS Listing Status	PHS Listed Occurrence
Sensitive	N
SGCN	N
Display Resolution	AS MAPPED
More Info	http://wdfw.wa.gov/wlm/diversty/soc/soc.htm
Geometry Type	Lines

Coho	
Scientific Name	<i>Oncorhynchus kisutch</i>
Priority Area	Occurrence/Migration
Accuracy	NA
Notes	LLID: 1223187473460, Fish Name: Coho Salmon, Run Time: Unknown or not Applicable, Life History: Anadromous
Source Record	40805
Source Dataset	SWIFD
Federal Status	N/A
State Status	N/A
PHS Listing Status	PHS Listed Occurrence
Sensitive	N
SGCN	N
Display Resolution	AS MAPPED
More Info	http://wdfw.wa.gov/wlm/diversty/soc/soc.htm
Geometry Type	Lines

Resident Coastal Cutthroat	
Scientific Name	<i>Oncorhynchus clarki</i>
Priority Area	Occurrence/Migration
Accuracy	NA
Notes	LLID: 1223205473475, Fish Name: Cutthroat Trout, Run Time: Unknown or not Applicable, Life History: Unknown
Source Record	40866
Source Dataset	SWIFD
Federal Status	N/A
State Status	N/A
PHS Listing Status	PHS Listed Occurrence
Sensitive	N
SGCN	N
Display Resolution	AS MAPPED
More Info	http://wdfw.wa.gov/wlm/diversty/soc/soc.htm
Geometry Type	Lines

Coho	
Scientific Name	<i>Oncorhynchus kisutch</i>
Priority Area	Occurrence/Migration
Accuracy	NA
Notes	LLID: 1223326473434, Fish Name: Coho Salmon, Run Time: Unknown or not Applicable, Life History: Anadromous
Source Record	41379
Source Dataset	SWIFD
Federal Status	N/A
State Status	N/A
PHS Listing Status	PHS Listed Occurrence
Sensitive	N
SGCN	N
Display Resolution	AS MAPPED
More Info	http://wdfw.wa.gov/wlm/diversty/soc/soc.htm
Geometry Type	Lines

Coho	
Scientific Name	<i>Oncorhynchus kisutch</i>
Priority Area	Occurrence/Migration
Accuracy	NA
Notes	LLID: 1223216473479, Fish Name: Coho Salmon, Run Time: Unknown or not Applicable, Life History: Anadromous
Source Record	40913
Source Dataset	SWIFD
Federal Status	N/A
State Status	N/A
PHS Listing Status	PHS Listed Occurrence
Sensitive	N
SGCN	N
Display Resolution	AS MAPPED
More Info	http://wdfw.wa.gov/wlm/diversty/soc/soc.htm
Geometry Type	Lines

Coho	
Scientific Name	<i>Oncorhynchus kisutch</i>
Priority Area	Occurrence/Migration
Accuracy	NA
Notes	LLID: 1223189473461, Fish Name: Coho Salmon, Run Time: Unknown or not Applicable, Life History: Anadromous
Source Record	40808
Source Dataset	SWIFD
Federal Status	N/A
State Status	N/A
PHS Listing Status	PHS Listed Occurrence
Sensitive	N
SGCN	N
Display Resolution	AS MAPPED
More Info	http://wdfw.wa.gov/wlm/diversty/soc/soc.htm
Geometry Type	Lines

Resident Coastal Cutthroat	
Scientific Name	<i>Oncorhynchus clarki</i>
Priority Area	Occurrence/Migration
Accuracy	NA
Notes	LLID: 1222579473535, Fish Name: Cutthroat Trout, Run Time: Unknown or not Applicable, Life History: Unknown
Source Record	38752
Source Dataset	SWIFD
Federal Status	N/A
State Status	N/A
PHS Listing Status	PHS Listed Occurrence
Sensitive	N
SGCN	N
Display Resolution	AS MAPPED
More Info	http://wdfw.wa.gov/wlm/diversty/soc/soc.htm
Geometry Type	Lines

Resident Coastal Cutthroat	
Scientific Name	<i>Oncorhynchus clarki</i>
Priority Area	Occurrence/Migration
Accuracy	NA
Notes	LLID: 1223287473406, Fish Name: Cutthroat Trout, Run Time: Unknown or not Applicable, Life History: Unknown
Source Record	41214
Source Dataset	SWIFD
Federal Status	N/A
State Status	N/A
PHS Listing Status	PHS Listed Occurrence
Sensitive	N
SGCN	N
Display Resolution	AS MAPPED
More Info	http://wdfw.wa.gov/wlm/diversty/soc/soc.htm
Geometry Type	Lines

Winter Steelhead	
Scientific Name	<i>Oncorhynchus mykiss</i>
Priority Area	Occurrence/Migration
Accuracy	NA
Notes	LLID: 1223235473484, Fish Name: Steelhead Trout, Run Time: Winter, Life History: Anadromous
Source Record	41005
Source Dataset	SWIFD
Federal Status	N/A
State Status	N/A
PHS Listing Status	PHS Listed Occurrence
Sensitive	N
SGCN	N
Display Resolution	AS MAPPED
More Info	http://wdfw.wa.gov/wlm/diversty/soc/soc.htm
Geometry Type	Lines

Resident Coastal Cutthroat	
Scientific Name	<i>Oncorhynchus clarki</i>
Priority Area	Occurrence/Migration
Accuracy	NA
Notes	LLID: 1223326473434, Fish Name: Cutthroat Trout, Run Time: Unknown or not Applicable, Life History: Unknown
Source Record	41374
Source Dataset	SWIFD
Federal Status	N/A
State Status	N/A
PHS Listing Status	PHS Listed Occurrence
Sensitive	N
SGCN	N
Display Resolution	AS MAPPED
More Info	http://wdfw.wa.gov/wlm/diversty/soc/soc.htm
Geometry Type	Lines

Resident Coastal Cutthroat	
Scientific Name	<i>Oncorhynchus clarki</i>
Priority Area	Occurrence/Migration
Accuracy	NA
Notes	LLID: 1223326473434, Fish Name: Cutthroat Trout, Run Time: Unknown or not Applicable, Life History: Unknown
Source Record	41375
Source Dataset	SWIFD
Federal Status	N/A
State Status	N/A
PHS Listing Status	PHS Listed Occurrence
Sensitive	N
SGCN	N
Display Resolution	AS MAPPED
More Info	http://wdfw.wa.gov/wlm/diversty/soc/soc.htm
Geometry Type	Lines

Coho	
Scientific Name	<i>Oncorhynchus kisutch</i>
Priority Area	Occurrence/Migration
Accuracy	NA
Notes	LLID: 1223205473475, Fish Name: Coho Salmon, Run Time: Unknown or not Applicable, Life History: Anadromous
Source Record	40867
Source Dataset	SWIFD
Federal Status	N/A
State Status	N/A
PHS Listing Status	PHS Listed Occurrence
Sensitive	N
SGCN	N
Display Resolution	AS MAPPED
More Info	http://wdfw.wa.gov/wlm/diversty/soc/soc.htm
Geometry Type	Lines

Resident Coastal Cutthroat	
Scientific Name	<i>Oncorhynchus clarki</i>
Priority Area	Occurrence/Migration
Accuracy	NA
Notes	LLID: 1223235473484, Fish Name: Cutthroat Trout, Run Time: Unknown or not Applicable, Life History: Unknown
Source Record	41001
Source Dataset	SWIFD
Federal Status	N/A
State Status	N/A
PHS Listing Status	PHS Listed Occurrence
Sensitive	N
SGCN	N
Display Resolution	AS MAPPED
More Info	http://wdfw.wa.gov/wlm/diversty/soc/soc.htm
Geometry Type	Lines

Coho	
Scientific Name	<i>Oncorhynchus kisutch</i>
Priority Area	Occurrence/Migration
Accuracy	NA
Notes	LLID: 1223287473406, Fish Name: Coho Salmon, Run Time: Unknown or not Applicable, Life History: Anadromous
Source Record	41215
Source Dataset	SWIFD
Federal Status	N/A
State Status	N/A
PHS Listing Status	PHS Listed Occurrence
Sensitive	N
SGCN	N
Display Resolution	AS MAPPED
More Info	http://wdfw.wa.gov/wlm/diversty/soc/soc.htm
Geometry Type	Lines

Biodiversity Areas And Corridor	
Priority Area	Terrestrial Habitat
Site Name	DASH POINT/POVERTY BAY OPEN SPACE AREAS
Accuracy	1/4 mile (Quarter Section)
Notes	STEEP SLOPES AND DRAINAGE RAVINES ALONG PUGET SOUND.
Source Record	902784
Source Dataset	PHSREGION
Source Name	MULLER, TED
Source Entity	WA Dept. of Fish and Wildlife
Federal Status	N/A
State Status	N/A
PHS Listing Status	PHS Listed Occurrence
Sensitive	N
SGCN	N
Display Resolution	AS MAPPED
ManagementRecommendations	http://wdfw.wa.gov/publications/pub.php?id=00023
Geometry Type	Polygons

Wetlands	
Priority Area	Aquatic Habitat
Site Name	REDONDO AREA WETLANDS, SW KING COUNTY
Accuracy	1/4 mile (Quarter Section)
Notes	SEVERAL ISOLATED WETLANDS ALONG COASTAL SW KING COUNTY.
Source Record	902727
Source Dataset	PHSREGION
Source Name	OPPERMANN, TONY
Source Entity	WA Dept. of Fish and Wildlife
Federal Status	N/A
State Status	N/A
PHS Listing Status	PHS Listed Occurrence
Sensitive	N
SGCN	N
Display Resolution	AS MAPPED
ManagementRecommendations	http://www.ecy.wa.gov/programs/sea/wetlands/bas/index.html
Geometry Type	Polygons

Wetlands	
Priority Area	Aquatic Habitat
Site Name	PUGET SOUND TRIBUTARY WETLANDS (LAKOTA CREEK)
Accuracy	1/4 mile (Quarter Section)
Notes	SOUTHWEST KING COUNTY WETLANDS. A NUMBER OF SMALL OPEN WATER WETLAND COMPLEXES.
Source Record	902799
Source Dataset	PHSREGION
Source Name	MULLER, TED
Source Entity	WA Dept. of Fish and Wildlife
Federal Status	N/A
State Status	N/A
PHS Listing Status	PHS Listed Occurrence
Sensitive	N
SGCN	N
Display Resolution	AS MAPPED
ManagementRecommendations	http://www.ecy.wa.gov/programs/sea/wetlands/bas/index.html
Geometry Type	Polygons

Waterfowl Concentrations	
Priority Area	Regular Concentration
Site Name	STEEL LAKE
Accuracy	1/4 mile (Quarter Section)
Notes	LOWLAND LAKES PROVIDE A FOOD BASE FOR PISCIVOROUS AND HERBIVOROUS WATERFOWL.DABBING AND DIVING DUCKS IN LOW HUNDREDS.
Source Record	920082
Source Dataset	PHSREGION
Source Name	ANDERSON, CHRIS
Source Entity	WA Dept. of Fish and Wildlife
Federal Status	N/A
State Status	N/A
PHS Listing Status	PHS Listed Occurrence
Sensitive	N
SGCN	N
Display Resolution	AS MAPPED
ManagementRecommendations	http://wdfw.wa.gov/publications/pub.php?id=00026
Geometry Type	Polygons

Lake	
Priority Area	Aquatic Habitat
Site Name	N/A
Accuracy	NA
Notes	Wetland System: LACUSTRINE LITTORAL - NWI Code: L2ABH
Source Dataset	NWIIWetlands
Source Name	Not Given
Source Entity	US Fish and Wildlife Service
Federal Status	N/A
State Status	N/A
PHS Listing Status	PHS Listed Occurrence
Sensitive	N
SGCN	N
Display Resolution	AS MAPPED
ManagementRecommendations	http://www.ecy.wa.gov/programs/sea/wetlands/bas/index.html
Geometry Type	Polygons

Lake	
Priority Area	Aquatic Habitat
Site Name	N/A
Accuracy	NA
Notes	Wetland System: LACUSTRINE LITTORAL - NWI Code: L2ABH
Source Dataset	NWIIWetlands
Source Name	Not Given
Source Entity	US Fish and Wildlife Service
Federal Status	N/A
State Status	N/A
PHS Listing Status	PHS Listed Occurrence
Sensitive	N
SGCN	N
Display Resolution	AS MAPPED
ManagementRecommendations	http://www.ecy.wa.gov/programs/sea/wetlands/bas/index.html
Geometry Type	Polygons

Freshwater Emergent Wetland	
Priority Area	Aquatic Habitat
Site Name	N/A
Accuracy	NA
Notes	Wetland System: PALUSTRINE - NWI Code: PEMC
Source Dataset	NWIIWetlands
Source Name	Not Given
Source Entity	US Fish and Wildlife Service
Federal Status	N/A
State Status	N/A
PHS Listing Status	PHS Listed Occurrence
Sensitive	N
SGCN	N
Display Resolution	AS MAPPED
ManagementRecommendations	http://www.ecy.wa.gov/programs/sea/wetlands/bas/index.html
Geometry Type	Polygons

Freshwater Forested/Shrub Wetland	
Priority Area	Aquatic Habitat
Site Name	N/A
Accuracy	NA
Notes	Wetland System: PALUSTRINE - NWI Code: PSS/FOC
Source Dataset	NWIIWetlands
Source Name	Not Given
Source Entity	US Fish and Wildlife Service
Federal Status	N/A
State Status	N/A
PHS Listing Status	PHS Listed Occurrence
Sensitive	N
SGCN	N
Display Resolution	AS MAPPED
ManagementRecommendations	http://www.ecy.wa.gov/programs/sea/wetlands/bas/index.html
Geometry Type	Polygons

Lake	
Priority Area	Aquatic Habitat
Site Name	N/A
Accuracy	NA
Notes	Wetland System: LACUSTRINE LITTORAL - NWI Code: L2ABH
Source Dataset	NWIIWetlands
Source Name	Not Given
Source Entity	US Fish and Wildlife Service
Federal Status	N/A
State Status	N/A
PHS Listing Status	PHS Listed Occurrence
Sensitive	N
SGCN	N
Display Resolution	AS MAPPED
ManagementRecommendations	http://www.ecy.wa.gov/programs/sea/wetlands/bas/index.html
Geometry Type	Polygons

Freshwater Forested/Shrub Wetland	
Priority Area	Aquatic Habitat
Site Name	N/A
Accuracy	NA
Notes	Wetland System: PALUSTRINE - NWI Code: PSSC
Source Dataset	NWIIWetlands
Source Name	Not Given
Source Entity	US Fish and Wildlife Service
Federal Status	N/A
State Status	N/A
PHS Listing Status	PHS Listed Occurrence
Sensitive	N
SGCN	N
Display Resolution	AS MAPPED
ManagementRecommendations	http://www.ecy.wa.gov/programs/sea/wetlands/bas/index.html
Geometry Type	Polygons

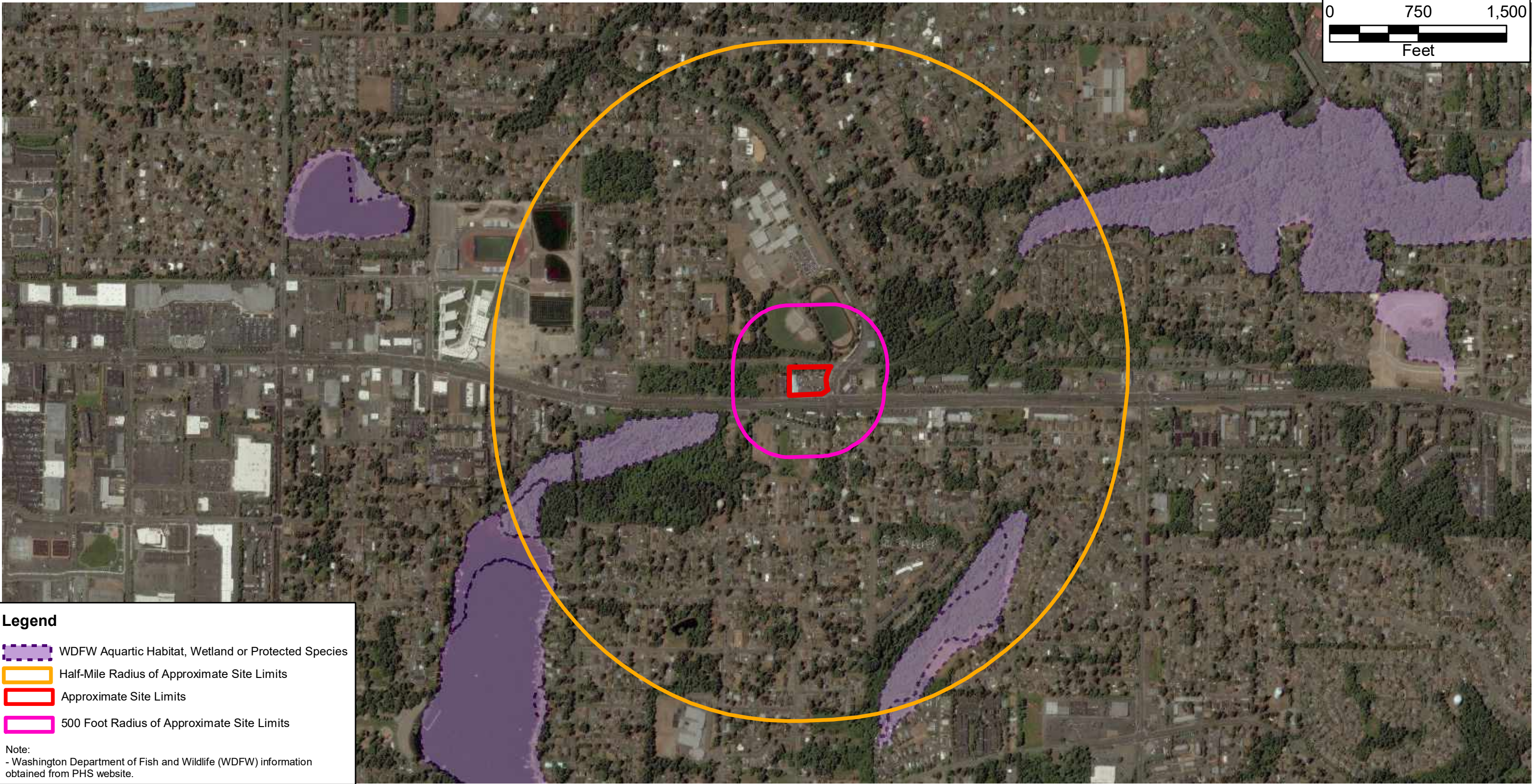
Freshwater Emergent Wetland	
Priority Area	Aquatic Habitat
Site Name	N/A
Accuracy	NA
Notes	Wetland System: PALUSTRINE - NWI Code: PEMF
Source Dataset	NWIIWetlands
Source Name	Not Given
Source Entity	US Fish and Wildlife Service
Federal Status	N/A
State Status	N/A
PHS Listing Status	PHS Listed Occurrence
Sensitive	N
SGCN	N
Display Resolution	AS MAPPED
ManagementRecommendations	http://www.ecy.wa.gov/programs/sea/wetlands/bas/index.html
Geometry Type	Polygons

Freshwater Forested/Shrub Wetland	
Priority Area	Aquatic Habitat
Site Name	N/A
Accuracy	NA
Notes	Wetland System: PALUSTRINE - NWI Code: PFOA
Source Dataset	NWIIWetlands
Source Name	Not Given
Source Entity	US Fish and Wildlife Service
Federal Status	N/A
State Status	N/A
PHS Listing Status	PHS Listed Occurrence
Sensitive	N
SGCN	N
Display Resolution	AS MAPPED
ManagementRecommendations	http://www.ecy.wa.gov/programs/sea/wetlands/bas/index.html
Geometry Type	Polygons

Lake	
Priority Area	Aquatic Habitat
Site Name	N/A
Accuracy	NA
Notes	Wetland System: LACUSTRINE LITTORAL - NWI Code: L2ABH
Source Dataset	NWIIWetlands
Source Name	Not Given
Source Entity	US Fish and Wildlife Service
Federal Status	N/A
State Status	N/A
PHS Listing Status	PHS Listed Occurrence
Sensitive	N
SGCN	N
Display Resolution	AS MAPPED
ManagementRecommendations	http://www.ecy.wa.gov/programs/sea/wetlands/bas/index.html
Geometry Type	Polygons

Lake	
Priority Area	Aquatic Habitat
Site Name	N/A
Accuracy	NA
Notes	Wetland System: LACUSTRINE LITTORAL - NWI Code: L2ABH
Source Dataset	NWIIWetlands
Source Name	Not Given
Source Entity	US Fish and Wildlife Service
Federal Status	N/A
State Status	N/A
PHS Listing Status	PHS Listed Occurrence
Sensitive	N
SGCN	N
Display Resolution	AS MAPPED
ManagementRecommendations	http://www.ecy.wa.gov/programs/sea/wetlands/bas/index.html
Geometry Type	Polygons

DISCLAIMER. This report includes information that the Washington Department of Fish and Wildlife (WDFW) maintains in a central computer database. It is not an attempt to provide you with an official agency response as to the impacts of your project on fish and wildlife. This information only documents the location of fish and wildlife resources to the best of our knowledge. It is not a complete inventory and it is important to note that fish and wildlife resources may occur in areas not currently known to WDFW biologists, or in areas for which comprehensive surveys have not been conducted. Site specific surveys are frequently necessary to rule out the presence of priority resources. Locations of fish and wildlife resources are subject to variation caused by disturbance, changes in season and weather, and other factors. WDFW does not recommend using reports more than six months old.



**Former Payless Auto Mart
29805 Pacific Highway South
Federal Way, King County, Washington
TGE Project No.: R13411.07**



**Washington Department of Fish & Wildlife
Priority Habitats and Species Report**

APPENDIX C

21/4E/S T

3 wells

RESOURCE PROTECTION WELL REPORT

START CARD NO. 15381

PROJECT NAME: EXXON
 WELL IDENTIFICATION NO. _____
 DRILLING METHOD: Auger
 DRILLER: JEFF JACOBS
 FIRM: PEARSON DRILLING INC.
 SIGNATURE: [Signature]
 CONSULTING FIRM: ASSOCIATED EARTH SCIENCE
 REPRESENTATIVE: SCOTT

COUNTY: KING
 LOCATION: NE 1/4 SE 1/4 Sec 5 Twp 21 R 4E
 STREET ADDRESS OF WELL: 1650 - SW
Dash Point Rd. Federal Way
 WATER LEVEL ELEVATION: 4.5 Feet
 GROUND SURFACE ELEVATION: _____
 INSTALLED: 10/25/90
 DEVELOPED: 11/26/90

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
All Three Well were Built with 15 Feet of Screen That was Back Fill with Sand to Ten Feet Above Screen From There to Ten Feet of Surface was Back Fill with Native Material From 10 Feet to About 3 was A Bentonite Seal From 3 To Surface was A Concrete Seal with a Monument	There were Three well Install Two to 59 Feet one to 55 Feet All were AS Built The same	The Top 10 Feet was A gravel Fill From 10 Feet to About 48 Feet was Assorted Sand Silt and gravel very compacted From 48 to 60 Feet was A wet medium Sand

RECEIVED
 NOV 11 1990
 DEPT. OF ECOLOGY



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1. **EXXON** - { [View PDF](#) 📄 }
Public Land Survey: [NE, SE, S-05, T-21-N, R-04-E](#), Tax Parcel Number: [\(blank\)](#)
County: [King](#), Well Address: [1650 SW DASHPOINT RD, FEDERAL WAY](#)
Well Report ID: [103257](#), Well Tag ID: [\(blank\)](#), Notice of Intent Number: [075381](#)
Well Diameter: [\(blank\)](#), Well Depth: [\(blank\)](#)
Well Type: [Water](#)
Well Completion Date: [11/26/1990](#), Well Report Received Date: [11/01/1990](#)

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RESOURCES PROTECTION WELL REPORT

PROJECT NAME: LAND TATION Federal Way
 WELL IDENTIFICATION NO. 17101
 DRILLING METHOD: Compression Hammer - Reverse Air
 DRILLER: Richard Vireliz
 FIRM: Layne/Environmental Services, Inc.
 SIGNATURE: [Signature]
 CONSULTING FIRM: SEACOR
 REPRESENTATIVE: John Green

2/1/92 START DATE NO. [Redacted]
 COUNTY: King
 LOCATION: NW 1/4 Sec 4 T2N 21N R 4E
 STREET ADDRESS OF WELL: 2806 Pacific Hwy S.
Federal Way
 WATER LEVEL ELEVATION: _____
 GROUND SURFACE ELEVATION: _____
 INSTALLED: 10-16-92
 DEVELOPED: _____

AS-BUILT	WELL DATA	FORMATION DESCRIPTION
	Flush Mounted Monument Expansion plug with lock Concrete Surface Seal <u>0 to 2</u> ft Well csg <u>0 to 15</u> ft <u>4" SCH 40 TFPJ PVC</u> Annular Sealant _____ to _____ ft Seal <u>2 to 12</u> ft Filter Pack <u>12 to 41</u> ft Screened Interval <u>15 to 40</u> ft <u>4" SCH 40 TFPJ PVC</u> <u>020 Factory Slotted</u>	<u>0-15'</u> <u>Brown Gravelly SAND (F. 1)</u> <u>moist, loose</u> <u>15-18'</u> <u>Olive Brown SANDY Gravel</u> <u>wet, Dense</u> <u>18-24'</u> <u>It Brown Gravelly SAND</u> <u>moist, V. Dense (F. 11)</u> <u>24-32'</u> <u>Olive Brown SANDY Gravel</u> <u>saturated V. Dense</u> <u>Cobbles F. 11</u> <u>32-40'</u> <u>It Brown SAND, wet</u> <u>V. dense med. cas grad.</u>
	RECEIVED JUL 06 1992 DEPT. OF ECOLOGY	
	Total Depth <u>41</u> ft Hole Diameter <u>9</u> in	



Cleanup Site Details

Cleanup Site ID: 8538

Cleanup Site ID: 8538 Facility/Site ID: 27316879 UST ID: 4479 [Site Page](#) [Site Documents](#) [View Map](#)

Cleanup Site Name: Shell 121050

[Glossary](#)

Alternate Names: Shell 121050, Shell Oil Products US SAP 121050, TEXACO 63-232-1486, TEXACO 632321486, TEXACO STATION 28806 PACIFIC HWY S, TEXACO STATION 632321486

LOCATION

Address: 28806 PACIFIC HWY S **City:** FEDERAL WAY **Zip Code:** 98003 **County:** King
Latitude: 47.34310 **Longitude:** -122.31190 **WRIA:** 9 **Legislative District:** 30 **Congressional District:** 9 **TRS:** 21N 4E 4

DETAIL

Status: Cleanup Started **NFA Received?** No **Is PSI site?** No
Statute: MTCA **NFA Date:** N/A **Current VCP?** No **Past VCP?** No
Site Rank: N/A **NFA Reason:** N/A **Brownfield?** No
Site Manager: Northwest Region **Responsible Unit:** Northwest **Active Institutional Control?** No

CLEANUP UNITS

Cleanup Unit Name	Unit Type	Unit Status	Resp Unit	Unit Manager	Current Process
TEXACO 004479 SHELL 121050	Upland	Cleanup Started	NW	Northwest Region	Independent Action

ACTIVE INSTITUTIONAL CONTROLS

Instrument Type	Restriction Media	Restrictions/Requirements	Date	Recording Number	Recording County	Tax Parcel

There are no current Institutional Controls in effect for this site.

AFFECTED MEDIA & CONTAMINANTS

MEDIA						
Contaminant	Soil	Groundwater	Surface Water	Sediment	Air	Bedrock
Petroleum-Diesel	C					
Petroleum-Gasoline	C					

Key:

B - Below Cleanup Level C - Confirmed Above Cleanup Level RA - Remediated-Above
S - Suspected R - Remediated RB - Remediated-Below

SITE ACTIVITIES

Activity	Status	Start Date	End Date/ Completion Date
LUST - Notification	Completed		12/4/1992
LUST - Report Received	Completed		2/16/1993
LUST - Report Received	Completed		12/3/1993
LUST - Site Assessment Report	Completed		7/14/2008
Site Discovery/Release Report Received	Completed		11/15/2008
Initial Investigation / Federal Preliminary Assessment	Completed		11/21/2008
LUST - Report Received	Completed		12/31/2008
LUST - Report Received	Completed		3/16/2009

Cleanup Site Details

Cleanup Site ID: 8538

SITE ACTIVITIES			
Activity	Status	Start Date	End Date/ Completion Date
Early Notice Letter(s)	Completed		10/18/2011



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1. **TEXACO STATION FEDERAL WAY** - { [View PDF](#) 📄 }
Public Land Survey: [NW, NW, S-04, T-21-N, R-04-E](#), Tax Parcel Number: [\(blank\)](#)
County: [King](#), Well Address: [\(blank\)](#)
Well Report ID: [107822](#), Well Tag ID: [\(blank\)](#), Notice of Intent Number: [\(blank\)](#)
Well Diameter: [\(blank\)](#), Well Depth: [\(blank\)](#)
Well Type: [Water](#)
Well Completion Date: [06/16/1992](#), Well Report Received Date: [07/06/1992](#)

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1. **CITY OF BONNEY LAKE** - { [View PDF](#) 📄 }
Public Land Survey: [SE, SE, S-05, T-21-N, R-04-E](#), Tax Parcel Number: [\(blank\)](#)
County: [Pierce](#), Well Address: [\(blank\)](#)
Well Report ID: [191384](#), Well Tag ID: [AFC505](#), Notice of Intent Number: [W094396](#)
Well Diameter: [16 in.](#) , Well Depth: [301 ft.](#)
Well Type: [Water](#)
Well Completion Date: [07/20/1999](#), Well Report Received Date: [\(blank\)](#)

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the 1990s, the number of people in the UK who are aged 65 and over has increased by 1.5 million (1990–2000) and is projected to increase by a further 1.5 million by 2020 (Office for National Statistics 2001). The number of people aged 65 and over is projected to increase from 10.5 million in 2000 to 12.5 million in 2020, with the number of people aged 75 and over increasing from 4.5 million to 6.5 million in the same period.

There is a growing awareness of the need to develop strategies to meet the needs of the ageing population. The Department of Health (2000) has identified the need to develop a 'new paradigm' for the care of the ageing population, one that is based on the principles of 'active ageing' and 'positive ageing'. This paradigm is based on the idea that ageing is a process, not a state, and that the quality of life in old age is determined by the choices that people make throughout their lives.

The Department of Health (2000) has identified a number of key areas for action in order to develop this new paradigm. These include: (1) promoting the health and well-being of older people; (2) ensuring that older people have access to the services and resources that they need; (3) promoting the participation of older people in society; and (4) ensuring that the needs of older people are taken into account in the development of public services.

The Department of Health (2000) has also identified a number of key areas for research in order to develop this new paradigm. These include: (1) the health and well-being of older people; (2) the social and economic conditions of older people; (3) the participation of older people in society; and (4) the development of public services for older people.

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STATE OF WASHINGTON
DEPARTMENT OF CONSERVATION
AND DEVELOPMENT

WELL LOG

Date 3-22, 1960

No Appl. 5461

Record by well driller
Source driller's record

Location State of WASHINGTON

County King

Area

Map

SW 1/4 SE 1/4 sec 5 T21 N, R 4 E

Drilling Co L.R. Gaudio

Address Tacoma, Washington

Method of Drilling

Date May 28, 1956

Owner King Co. Water Dist. #64

Address 30815 - 18th Ave. S., Federal Way

Land surface, datum 450 ft above below

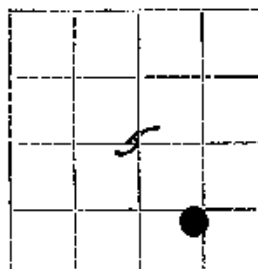


Diagram of Section

File number

21,445-50

CORRE- LATION	MATERIAL	THICKNESS (feet)	DEPTH (feet)

(Transcribe driller's terminology literally but paraphrase as necessary in parentheses. If material water-bearing so state and record static level if reported. Give depths in feet below land-surface datum unless otherwise indicated. Correlate with stratigraphic column, if feasible. Following log of materials list all casings, perforations, screens, etc.)

Hardpan & large rocks	22	22
" cemented gravel, boulders		
	48	70
Hardpan, cemented gravel	15	85
Sand & gravel	40	125
Loose sand & gravel	45	170
Sand & gravel	38	208
Blue clay & sand	40	248
Fine muddy sand	17	265
Muddy sand	14	279
Sand & gravel	33	312
Clay, hardpan in gravel	2	314
Loose gravel	11	325
(Drilled 10 ft. into blue clay & pulled back up to 325' level)	10	335
PUMP TEST:		
Dim. 325'x12"		

Turn up

(over)

Sheet

of

sheets

No 21 14.59

[illegible]

From: [Tim Osborne](#)
To: [Kristi Barnette](#)
Subject: FW: Looking for historical water well in Federal Way
Date: Tuesday, March 10, 2020 1:41:14 PM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.png](#)
[image008.png](#)
[Water Well log 348668 - King County Water District 64.pdf](#)
[Water Well log 348668.pdf](#)

Kristi,

We have no information on the well identified in the enclosed area.

Please feel free to contact me, if you have additional questions.

Thank You

Tim



Tim Osborne, P.E., WDM IV
Water Operations Manager

From: Kristi Barnette <krbarnette@tgeresources.com>
Sent: Monday, March 09, 2020 4:33 PM
To: Tim Osborne <tosborne@lakehaven.org>
Subject: Looking for historical water well in Federal Way

Good afternoon Tim –

I am consultant trying to complete a water well search as required by Ecology as part of the Remedial Investigation Reporting process. We are currently remediating a site that is off of Pacific Highway South and I am required to try to find any well that is listed within the 1 mile radius of our site. The well I am trying to determine if it still exists was reportedly drilled in 5/28/1956 for Kind County Water District #64. I have to try to determine if these wells are still where Ecology thinks they are and if not report that in my investigation. Are you able to help me figure out where this well is and if it does still exist the closest street address it is near? I am going to be in Federal Way later this week working at our site and figured I could do my water well survey while I am up there especially since Texas is so far from WA. All about multitasking if I am in the area!

I have attached the well reports I downloaded from Ecology to provide you with the same info I have. Would greatly appreciate your help. I am in Houston tomorrow, but fly to WA on Wed. If you need to reach me after tomorrow, please call my cell phone at 281-686-6059 or respond to this email.

Thanks!

Kristi Barnette

Project Manager
State of Texas Licensed Geoscientist (License #: 1036)
State of Alabama Licensed Geoscientist (License #: 1229)
OSHA Authorized General Industry Trainer (License #: G0041236)



TGE Resources, Inc. | Environmental Management & Consulting Services
8048 Northcourt Road, Houston, TX 77040
Phone: (713) 744-5815 Fax: (713) 744-5888
krbarnette@TGEResources.com | www.tgeresources.com

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1. **KING COUNTY WATER DISTRICT #64** - { [View PDF](#) }
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County: [King](#), Well Address: [\(blank\)](#)
Well Report ID: [348668](#), Well Tag ID: [\(blank\)](#), Notice of Intent Number: [\(blank\)](#)
Well Diameter: [12 in.](#) , Well Depth: [325 ft.](#)
Well Type: [Water](#)
Well Completion Date: [05-28-1956](#), Well Report Received Date: [\(blank\)](#)

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The first part of the paper discusses the importance of understanding the cultural context of the research. It highlights the need for researchers to be sensitive to the values and beliefs of the communities they are studying. This is particularly important in the field of education, where cultural differences can significantly impact learning outcomes. The author argues that a one-size-fits-all approach to education is not only ineffective but also potentially harmful. Instead, educators should strive to create a culturally responsive environment that respects and builds upon the knowledge and experiences of all students.

The second part of the paper explores the challenges of conducting research in diverse cultural settings. It discusses the difficulties of finding a common ground between the researcher's perspective and the participants' worldview. The author notes that language barriers, differing communication styles, and varying levels of literacy can all pose significant obstacles. To overcome these challenges, the author suggests a collaborative approach where researchers work closely with community members to design and implement the study. This approach not only helps to build trust but also ensures that the research is relevant and meaningful to the community.

The third part of the paper presents a case study of a research project conducted in a rural, low-income community. The study aimed to understand the factors that influence children's school attendance and academic performance. Through a series of interviews and observations, the researchers discovered that many children faced significant barriers to attending school, including lack of transportation, financial difficulties, and health issues. The study also found that children's attitudes towards school were often shaped by their parents' beliefs and the community's values. These findings have important implications for educators and policymakers, who need to address these barriers and create a more supportive environment for all children.

The final part of the paper discusses the ethical considerations of research in cultural contexts. It emphasizes the importance of obtaining informed consent from all participants and ensuring that the research does not cause any harm. The author argues that researchers have a responsibility to protect the privacy and dignity of the community members they are studying. This requires a high level of transparency and accountability throughout the research process. The author concludes by calling for a more ethical and culturally sensitive approach to research in education, one that truly serves the needs of all children.

In conclusion, the paper argues that understanding the cultural context of the research is essential for conducting meaningful and ethical research in education. It calls for a shift in the way we think about research, from a top-down approach to a more collaborative and community-centered one. By recognizing and respecting the diversity of our students and communities, we can create a more inclusive and effective educational system. The author hopes that the findings and suggestions of this paper will inspire other researchers to take a more culturally responsive approach to their work.



DEPARTMENT OF
ECOLOGY
State of Washington

WATER WELL REPORT

Original & 1st copy - Ecology, 2nd copy - owner, 3rd copy - driller

Construction/Decommission ("x" in circle)

☒ Construction

☐ Decommission ORIGINAL INSTALLATION

Notice of Intent Number

PROPOSED USE: ☐ Domestic ☐ Industrial ☐ Municipal
☐ DeWater ☒ Irrigation ☐ Test Well ☐ Other

TYPE OF WORK: Owner's number of well (if more than one)
☒ New well ☐ Reconditioned Method: ☐ Dig ☐ Bored ☐ Driven
☐ Deepened ☐ Cable ☒ Rotary ☐ Jetted

DIMENSIONS: Diameter of well 06 inches, drilled 303 ft.
Depth of completed well 303 ft.

CONSTRUCTION DETAILS

Casing ☒ Welded 06" Diam. from +1 ft. to 303 ft.
Installed: ☐ Liner installed " Diam. from ft. to ft.
☐ Threaded " Diam. From ft. to ft.

Perforations: ☐ Yes ☒ No

Type of perforator used

SIZE of perforations in by in. and no. of perforations from ft. to ft.

Screens: ☐ Yes ☒ No ☐ K-Pac Location

Manufacturer's Name

Type Model No.
Diam. Slot size from ft. to ft.
Diam. Slot size from ft. to ft.

Gravel/Filter packed: ☐ Yes ☒ No Size of gravel/sand
Materials placed from ft. to ft.

Surface Seal: ☒ Yes ☐ No To what depth? 20 ft.

Material used in seal Bentonite

Did any strata contain unusable water? ☐ Yes ☒ No

Type of water? Depth of strata

Method of sealing strata off

PUMP: Manufacturer's Name

Type: H.P.

WATER LEVELS: Land surface elevation above mean sea level ft.

Static level 249 ft. below top of well Date 3/31/2011

Artesian pressure lbs. per square inch Date

Artesian water is controlled by (cap, valve, etc.)

WELL TESTS: Drawdown is amount water level is lowered below static level

Was a pump test made? ☐ Yes ☒ No If yes, by whom?

Yield gal/min. with ft. drawdown after hrs.

Yield gal/min. with ft. drawdown after hrs.

Yield gal/min. with ft. drawdown after hrs.

Recovery data (time taken as zero when pump turned off) (water level measured from well top to water level)

Time	Water Level	Time	Water Level	Time	Water Level

CURRENT

Notice of Intent No. WE 12690

Unique Ecology Well ID Tag No. APR098

Water Right Permit No. Exempt

Property Owner Name Eugene Hahn

Well Street Address 30119 23rd Ave S

City Federal Way County King

Location SE 1/4-1/4 SW 1/4 Sec 04 Twn 21 R 04E

(s. e. r. Still REQUIRED)

EWM ☒

or WWM ☐

Lat/Long Lat Deg Lat Min/Sec

Long Deg Long Min/Sec

Tax Parcel No. (Required) 0421049091

CONSTRUCTION OR DECOMMISSION PROCEDURE

Formation: Describe by color, character, size of material and structure, and the kind and nature of the material in each stratum penetrated, with at least one entry for each change of information. (USE ADDITIONAL SHEETS IF NECESSARY.)

MATERIAL	FROM	TO
Brown Sand, Coarse	0'	10'
Fine Gravel, Cemented, Cobble	10'	42'
Brown Clay	42'	45'
Fine and Med Gravel	45'	54'
Med Gravel, Cemented, Cobbles	54'	87'
Med Brown Sand	87'	103'
Cobbles, Coarse Gravel	103'	108'
Coarse Grey Sand, Fine Gravel	108'	170'
Cobbles, Coarse Grey Sand	170'	190'
Coarse Grey Sand, Fine Gravel	190'	250'
Cobbles, Cemented Gravel	250'	255'
Fine Blue Grey Sand, Moist	255'	275'
Fine and Med Gravel	275'	280'
Cobbles, Large Gravel	280'	285'
Fine and Med Gravel	285'	303'

RECEIVED

DEPARTMENT OF ECOLOGY

APR 03 2011

WATER RESOURCES PROGRAM
NWRO

Start Date 03/10/2011 Completed Date 03/31/2011

WELL CONSTRUCTION CERTIFICATION: I constructed and/or accept responsibility for construction of this well, and its compliance with all Washington well construction standards. Materials used and the information reported above are true to my best knowledge and belief.

☒ Driller ☐ Engineer ☐ Trainee Name (Print) Trem Smith

Driller/Engineer/Trainee Signature

Driller or trainee License No. 2926

IF TRAINEE: Driller's License No.

Driller's Signature

Drilling Company Statewide Drilling Company, Inc.

Address 19417 131st Ave SW

City, State, Zip Vashon WA, 98070

Contractor's

Registration No. STATEDC136RG Date 03/30/2011



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1. **Emilie Hahn** - { [View PDF](#) 📄 }
Public Land Survey: [SE, SW, S-04, T-21-N, R-04-E](#), Tax Parcel Number: [0421049091](#)
County: [King](#), Well Address: [30119 23rd AVE S, Federal Way 98003](#)
Well Report ID: [715625](#), Well Tag ID: [APR098](#), Notice of Intent Number: [WE12690](#)
Well Diameter: [6 in.](#) , Well Depth: [303 ft.](#)
Well Type: [Water](#)
Well Completion Date: [03/31/2011](#), Well Report Received Date: [04/06/2011](#)

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APPENDIX D



8048 Northcourt Road
Houston, Texas 77040
(713) 744-5800
(713) 744-5888 (fax)

BORING LOG

BOREHOLE NO.: **TSB-1**
LATITUDE: **47.33513700**
LONGITUDE: **-122.31301150**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.04**
LOGGED BY: **E. Sitler**
CLIENT: **MultiCare Health System**
DATES DRILLED: **10/25/17**

DRILLING CO.: **Cascade Drilling**
DRILLER: **Z. Shaderick**
RIG TYPE: **Boart Longyear 200 C**
METHOD OF DRILLING: **Sonic**
SAMPLING METHOD: **Sonic Barrel**
TOTAL DEPTH: **110**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt		
					Fill: medium to coarse sand, some pebbles, moist		
5				SW	Gravelly Sand: coarse sand, abundant cobbles (2" to 4" diameter), gray-brown, silty, moist		
				GC	Clayey Gravel: tannish-brown, moist		
10				SW	Sand: coarse sand with abundant pebbles, slightly silty, poorly sorted, coarsening downward, perched zone from 7 to 9.5 fbg		
				CL	Gravelly Clay: gray, abundant cobbles, dry, well rounded, poorly sorted		
15				CL	Sandy Clay: tan, few cobbles, abundant pebbles, dry, coarsening downward		
20				SC	Clayey Sand: abundant pebbles/gravel, some cobbles (up to 3" diameter)		
25					Gravelly Sand: gray, medium to coarse sand with abundant pebbles, well rounded, moist, some large cobbles		
30							

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **TSB-1**
LATITUDE: **47.33513700**
LONGITUDE: **-122.31301150**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.04**
LOGGED BY: **E. Sitler**
CLIENT: **MultiCare Health System**
DATES DRILLED: **10/25/17**

DRILLING CO.: **Cascade Drilling**
DRILLER: **Z. Shaderick**
RIG TYPE: **Boart Longyear 200 C**
METHOD OF DRILLING: **Sonic**
SAMPLING METHOD: **Sonic Barrel**
TOTAL DEPTH: **110**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
30			0.3				
			0.3				
		100	0.3				
			0.3				
35			0.3				
			0.3				
			0.9				
		100	0.4				
			0.9				
40			0.8	SW	- silty, dry with intermittent bands of moisture		
			0.7				
			1.3				
		100	1.6				
			3.5				
45			3.8				
			0.5				
			0.3				
		100	0.2				
			0.3				
50			0.3				
			0.4				
		100	0.9				
			0.5				
55			0.3	SC	Clayey Sand: abundant gravel, perched zone from 55 to 57 fbg then dry		
		100	0.2				
			0.2				
		100	0.3				
			0.2				
60							

NOTES: ---

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BORING LOG

BOREHOLE NO.: **TSB-1**
LATITUDE: **47.33513700**
LONGITUDE: **-122.31301150**

PROJECT INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.04**
LOGGED BY: **E. Sitler**
CLIENT: **MultiCare Health System**
DATES DRILLED: **10/25/17**

DRILLING INFORMATION

DRILLING CO.: **Cascade Drilling**
DRILLER: **Z. Shaderick**
RIG TYPE: **Boart Longyear 200 C**
METHOD OF DRILLING: **Sonic**
SAMPLING METHOD: **Sonic Barrel**
TOTAL DEPTH: **110**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
60			0.3	GC	- large cobbles (~5" diameter)		
			0.3		Clayey Gravel: gray, very moist, silty		
		100	0.3				
			0.3				
			0.5	ML	Silt: gray, few cobbles, dry		
65			0.4	CL	Gravelly Clay: Gray, stiff, low plasticity		
			0.3				
		100	0.3				
			0.3				
			0.2				
70			0.0				
			0.3				
		100	0.2				
			0.2				
75			0.2				
			0.2				
		100	3.8				
			1.7				
			0.3				
			3.2				
80			1.8	SP	Sand: tan, well sorted, fine sand, no pebbles/cobbles/gravels		
		100	0.4				
			0.0				
			0.0				
			0.0				
			0.0				
			0.0				
		100	0.0				
			0.0		Gravelly Sand: gray to tan, abundant pebbles, iron		
90							

NOTES: ---

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BORING LOG

BOREHOLE NO.: **TSB-1**

LATITUDE: **47.33513700**

LONGITUDE: **-122.31301150**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.04**
LOGGED BY: **E. Sitler**
CLIENT: **MultiCare Health System**
DATES DRILLED: **10/25/17**

DRILLING CO.: **Cascade Drilling**
DRILLER: **Z. Shaderick**
RIG TYPE: **Boart Longyear 200 C**
METHOD OF DRILLING: **Sonic**
SAMPLING METHOD: **Sonic Barrel**
TOTAL DEPTH: **110**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
90			0.0				
			0.0				
		100	0.0				
			0.0				
95			0.0				
			0.0				
			0.0				
			0.0	SW			
		100	0.0				
			0.0				
100			0.0				
			0.0				
			0.0				
			0.0				
		100	0.0				
			0.0				
			0.0				
			0.0				
105			0.0				
			0.0				
			0.0				
		100	0.0	SP	Sand: coarse sand, moist, some well rounded cobbles, fluvial deposition, no fine sediment		
			0.0				
			0.0				
110			0.0				

NOTES: ---

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BORING LOG

BOREHOLE NO.: **TVMP-1**
LATITUDE: **47.33529641**
LONGITUDE: **-122.31284619**

PROJECT INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific HWY S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.02**
LOGGED BY: **T. Crump**
CLIENT: **MultiCare Health System**
DATES DRILLED: **8/24/17**

DRILLING INFORMATION

DRILLING CO.: **Cascade Drilling**
DRILLER: **F. Scott**
RIG TYPE: **Truck Mounted Geoprobe**
METHOD OF DRILLING: **Direct Push**
SAMPLING METHOD: **5' Plastic Sleeve**
TOTAL DEPTH: **8**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt		
		36	0.0	SP	Fill		
			0.0				
			0.1		Gravelly Sand: grayish-brown to brown, moist, poorly sorted, fine to medium-grained, occasional large gravel, dense		
5			0.3				
		35	0.0	ML	- few cobbles		
			0.0		Gravelly Sand brown with orangish-brown mottles		

NOTES: ---

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BORING LOG

BOREHOLE NO.: **TVMP-2**
LATITUDE: **47.33521409**
LONGITUDE: **-122.30274039**

PROJECT INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific HWY S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.02**
LOGGED BY: **T. Crump**
CLIENT: **MultiCare Health System**
DATES DRILLED: **8/24/17**

DRILLING INFORMATION

DRILLING CO.: **Cascade Drilling**
DRILLER: **F. Scott**
RIG TYPE: **Truck Mounted Geoprobe**
METHOD OF DRILLING: **Direct Push**
SAMPLING METHOD: **5' Plastic Sleeve**
TOTAL DEPTH: **8**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt		
		30	0.0	SP	Fill		
5					Gravelly Sand: dark brown to brown, moist, loose, medium-grained, some large gravel, poorly sorted		
		24	0.0	ML	Gravelly Silt: brown, fine-grained, moist		

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-1**
LATITUDE: **47.335084**
LONGITUDE: **-122.312986**

PROJECT INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific HWY S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.02**
LOGGED BY: **T. Crump**
CLIENT: **MultiCare Health System**
DATES DRILLED: **8/24/17**

DRILLING INFORMATION

DRILLING CO.: **Cascade Drilling**
DRILLER: **F. Scott**
RIG TYPE: **Truck Mounted Geoprobe**
METHOD OF DRILLING: **Direct Push**
SAMPLING METHOD: **5' Plastic Sleeve**
TOTAL DEPTH: **15**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt		
					Fill		
5		48	0.0 0.0 0.0 0.0		Gravelly Sand: brown, moist, poorly sorted, fine to medium grained, dense, frequent large gravel		
10		50	0.3 0.0 0.0 0.1	SP	- very silty, fine-grained - clayey, few small gravel - frequent large gravel, brown and gray mottled, medium-grained, silty		
15		100	0.0 0.0 0.0 0.0		- very moist and clayey - beige cobbles (6 inches) and dry - clayey, brown and gray mottles, very moist, medium-grained		

NOTES: ---

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BORING LOG

BOREHOLE NO.: **SB-2**
LATITUDE: **47.335003**
LONGITUDE: **-122.312712**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific HWY S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.02**
LOGGED BY: **T. Crump**
CLIENT: **MultiCare Health System**
DATES DRILLED: **8/24/17**

DRILLING CO.: **Cascade Drilling**
DRILLER: **F. Scott**
RIG TYPE: **Truck Mounted Geoprobe**
METHOD OF DRILLING: **Direct Push**
SAMPLING METHOD: **5' Plastic Sleeve**
TOTAL DEPTH: **14**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt		
			0.0	ML	Fill		
	45		0.0				
			0.0				
			0.0	MC	Gravelly Silt: brown to dark brown, moist, poorly sorted, frequent gravel, few iron-oxide nodules		
5			0.0		Silt: brown, moist, few coarse gravel, moist		
			0.0				
	54		0.0		Gravelly Sand: brown, moist, poorly sorted, fine-grained with occasional large gravel and firm		
			0.0				
10			0.0	SP	- coarse-grained with large gravel		
			0.0		- fine-grained, few large gravel		
			0.0		- increasing coarse-ness with depth, moist		
	56		0.0				

NOTES: ---

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BORING LOG

BOREHOLE NO.: **SB-3**
LATITUDE: **47.33561980**
LONGITUDE: **-122.31302361**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific HWY S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.02**
LOGGED BY: **T. Crump**
CLIENT: **MultiCare Health System**
DATES DRILLED: **8/24/17**

DRILLING CO.: **Cascade Drilling**
DRILLER: **F. Scott**
RIG TYPE: **Truck Mounted Geoprobe**
METHOD OF DRILLING: **Direct Push**
SAMPLING METHOD: **5' Plastic Sleeve**
TOTAL DEPTH: **18**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt		
0.3				SP	Fill		
0.6					Gravelly Sand: brown to grayish-brown, moist dense, poorly sorted, fine to medium-grained, few large gravel		
5		49	0.0	LM	Gravelly Silt: brown, poorly sorted, clayey, moist, occasional large gravel		
			0.0		- orangish brown mottles, few gravel, clayey		
			0.0		- increasing gravel content with depth		
10		53	0.0		Gravelly Sand: brown to grayish-brown, moist, poorly sorted, fine to medium-grained with large gravel, silty		
			0.0	SP	- coarse-grained, slightly silty		
			0.0		- fine-grained		
15		100	0.0				
			0.0				
			0.1				

NOTES: ---

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BORING LOG

BOREHOLE NO.: **SB-4**
LATITUDE: **47.334892**
LONGITUDE: **-122.31309**

PROJECT INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific HWY S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.02**
LOGGED BY: **T. Crump**
CLIENT: **MultiCare Health System**
DATES DRILLED: **8/24/17**

DRILLING INFORMATION

DRILLING CO.: **Cascade Drilling**
DRILLER: **F. Scott**
RIG TYPE: **Truck Mounted Geoprobe**
METHOD OF DRILLING: **Direct Push**
SAMPLING METHOD: **5' Plastic Sleeve**
TOTAL DEPTH: **12**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Concrete		
32			0.0		Fill		
5			0.3				
			0.6		Gravelly Sand: brown, moist, poorly sorted, medium to fine-grained with frequent gravel, dense, clayey and silty		
			0.0				
			0.0	SP	- few large gravel		
		100	0.0				
			0.0				
10			0.0		- fine-grained, well sorted, slightly silty		
			0.2		- fine to medium-grained, well sorted, frequent large gravel		

NOTES: ---

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



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(713) 744-5888 (fax)

BORING LOG

BOREHOLE NO.: **SB-5**
LATITUDE: **47.33526919**
LONGITUDE: **-122.3124305**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific HWY S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.02**
LOGGED BY: **T. Crump**
CLIENT: **MultiCare Health System**
DATES DRILLED: **8/24/17**

DRILLING CO.: **Cascade Drilling**
DRILLER: **F. Scott**
RIG TYPE: **Truck Mounted Geoprobe**
METHOD OF DRILLING: **Direct Push**
SAMPLING METHOD: **5' Plastic Sleeve**
TOTAL DEPTH: **20**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt		
					Fill		
					Silty Sand: brown, moist, dense, few gravel		
5					- medium-grained gravel lens		
					- large gravel		
					- occasional gravel		
					- clayey		
10					- bottom of tank pit		
					Gravelly Sand: brown to grayish-brown, poorly sorted, fine ot medium-grained, mosit, dense, some large gravel, clayey		
15							
20							

NOTES: ---

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



8048 Northcourt Road
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(713) 744-5800
(713) 744-5888 (fax)

BORING LOG

BOREHOLE NO.: **SB-6**
LATITUDE: **47.33517200**
LONGITUDE: **-122.3129095**

PROJECT INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.04**
LOGGED BY: **E. Sitler**
CLIENT: **MultiCare Health System**
DATES DRILLED: **10/26/2017**

DRILLING INFORMATION

DRILLING CO.: **Cascade Drilling**
DRILLER: **Z. Shaderick**
RIG TYPE: **Boart Longyear 200 C**
METHOD OF DRILLING: **Sonic**
SAMPLING METHOD: **Sonic Barrel**
TOTAL DEPTH: **10**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt		
			0.4		Fill: fine to coarse sand, some gravel		
		100	0.0				
			0.0				
5			0.0	SP	Gravelly Sand: brown, some silt and clay, large cobbles, poorly sorted, subangular to well-rounded clasts, moist		
			0.0				
		100	0.0				
			0.0				
			0.0				
10			0.0	GM	Silty Gravel: moderate fine sand, gray, dry		

NOTES: ---

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



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Houston, Texas 77040
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BORING LOG

BOREHOLE NO.: **SB-7**
LATITUDE: **47.33524544**
LONGITUDE: **-122.31290766**

PROJECT INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.04**
LOGGED BY: **E. Sitler**
CLIENT: **MultiCare Health System**
DATES DRILLED: **10/27/2017**

DRILLING INFORMATION

DRILLING CO.: **Cascade Drilling**
DRILLER: **Z. Shaderick**
RIG TYPE: **Boart Longyear 200 C**
METHOD OF DRILLING: **Sonic**
SAMPLING METHOD: **Sonic Barrel**
TOTAL DEPTH: **10**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt		
			0.0	GW	Sandy Gravel: brown, coarse sand to pebble sized, subrounded to rounded clasts, clayey (likely fill material)		
		100	0.0				
5			0.0	CL	Gravelly Clay: tan/brown, abundant pebbles, heavy iron staining		
			0.0				
		100	0.0				
			0.0				
10			0.0				

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-8**
LATITUDE: **47.33538550**
LONGITUDE: **-122.31291963**

PROJECT INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.04**
LOGGED BY: **E. Sitler**
CLIENT: **MultiCare Health System**
DATES DRILLED: **10/27/2017**

DRILLING INFORMATION

DRILLING CO.: **Cascade Drilling**
DRILLER: **Z. Shaderick**
RIG TYPE: **Boart Longyear 200 C**
METHOD OF DRILLING: **Sonic**
SAMPLING METHOD: **Sonic Barrel**
TOTAL DEPTH: **10**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt		
			0.5	GW	Sandy Gravel: brown, coarse sand to pebble sized, subrounded to rounded clasts, clayey (likely fill material)		
		100	0.0				
			0.0				
			0.0				
5			0.0	CL	Gravelly Clay: tan/brown, abundant pebbles, heavy iron staining		
			0.0				
			0.0				
		100	0.0				
			0.0				
10			0.0				

NOTES: ---

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BORING LOG

BOREHOLE NO.: **SB-9**
LATITUDE: **47.33527820**
LONGITUDE: **-122.31280500**

PROJECT INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.04**
LOGGED BY: **E. Sitler**
CLIENT: **MultiCare Health System**
DATES DRILLED: **10/27/2017**

DRILLING INFORMATION

DRILLING CO.: **Cascade Drilling**
DRILLER: **Z. Shaderick**
RIG TYPE: **Boart Longyear 200 C**
METHOD OF DRILLING: **Sonic**
SAMPLING METHOD: **Sonic Barrel**
TOTAL DEPTH: **10**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt		
			0.0	SW	Gravelly Sand: brown/gray, coarse sand to pebble sized, clayey, poorly sorted (likely fill material)		
		100	0.0				
			0.0				
5			0.0				
			0.3	CL	Sandy Clay: brown grading to tan with depth, some pebbles, iron staining, abundant organic materials		
			0.0				
		100	0.0				
			0.0				
10			0.0				

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-10**

LATITUDE: **47.33519192**

LONGITUDE: **-122.31266997**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.04**
LOGGED BY: **E. Sitler**
CLIENT: **MultiCare Health System**
DATES DRILLED: **10/26/2017**

DRILLING CO.: **Cascade Drilling**
DRILLER: **Z. Shaderick**
RIG TYPE: **Boart Longyear 200 C**
METHOD OF DRILLING: **Sonic**
SAMPLING METHOD: **Sonic Barrel**
TOTAL DEPTH: **10**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0							
			1.1	SP	Asphalt		
		100	0.0		Gravelly Sand: brown, moist, large cobbles		
			0.0				
			0.0				
5			0.3	GW	Sandy Gravel: dark brown, abundant organic materials, Iron staining, wet		
			0.0				
		100	0.0		- perched zone		
			0.0				
10			0.0		- large chunks of asphalt (indicate fill to at least 10')		

NOTES: ---

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BORING LOG

BOREHOLE NO.: **SB-11**

LATITUDE: **47.33526145**

LONGITUDE: **-122.31268611**

PROJECT INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.04**
LOGGED BY: **E. Sitler**
CLIENT: **MultiCare Health System**
DATES DRILLED: **10/26/2017**

DRILLING INFORMATION

DRILLING CO.: **Cascade Drilling**
DRILLER: **Z. Shaderick**
RIG TYPE: **Boart Longyear 200 C**
METHOD OF DRILLING: **Sonic**
SAMPLING METHOD: **Sonic Barrel**
TOTAL DEPTH: **10**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0							
			2.6	SW	Asphalt		
			3.4		Sandy Gravel: brown, moist, large cobbles		
			34.6				
5			53.8				
			7.0	GW	Gravel and Sand: gray grading to dark brown with depth, subrounded clasts, moist. Strong hydrocarbon odor.		
			4.3				
			1.1				
			1.1				
			0.9		- large chunks of wallboard, broken glass, rusty nails (indicate fill to at least 10')		
10							

NOTES: ---

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BORING LOG

BOREHOLE NO.: **SB-12**
LATITUDE: **47.33537578**
LONGITUDE: **-122.31269061**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.04**
LOGGED BY: **E. Sitler**
CLIENT: **MultiCare Health System**
DATES DRILLED: **10/27/2017**

DRILLING CO.: **Cascade Drilling**
DRILLER: **Z. Shaderick**
RIG TYPE: **Boart Longyear 200 C**
METHOD OF DRILLING: **Sonic**
SAMPLING METHOD: **Sonic Barrel**
TOTAL DEPTH: **10**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt		
		100	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	SW	Gravelly Sand: brown/tan, clayey, abundant cobbles and pebbles - no clay, abundant pebbles, subrounded clasts		
5				CL	Sandy Clay: dark brown, some pebbles, abundant organic material, iron staining		
10							

NOTES: ---

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BORING LOG

BOREHOLE NO.: **SB-13**
LATITUDE: **47.3350990**
LONGITUDE: **-122.3129850**

PROJECT INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07**
LOGGED BY: **T. Crump**
CLIENT: **MultiCare Health System**
DATES DRILLED: **11/13/2019**

DRILLING INFORMATION

DRILLING CO.: **Holocene Drilling**
DRILLER: **M. Graham**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **15**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 2" asphalt paving and sandy gravel fill material		
0.2					Gravelly Sand: grayish-brown to brown, moist, poorly sorted, loose, and frequent large gravel		
0.2							
0.3					- very silty, fine-grained sand with few gravel		
0.2							
0.3				SP			
0.2					- very gravelly and grayish-brown		
0.2					- clayey and dense		
0.6							
0.4							

NOTES: ---

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BORING LOG

BOREHOLE NO.: **SB-14**
LATITUDE: **47.3351950**
LONGITUDE: **-122.3129470**

PROJECT INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07**
LOGGED BY: **T. Crump**
CLIENT: **MultiCare Health System**
DATES DRILLED: **11/13/2019**

DRILLING INFORMATION

DRILLING CO.: **Holocene Drilling**
DRILLER: **M. Graham**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **15**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 3" asphalt paving and gravelly fill material		
5				SP	Gravelly Sand: grayish-brown to brown, moist, poorly sorted, and loose - few cobbles and abundant large gravel - gravelly, no cobbles - clayey, few cobbles - grayish-brown, moist, fine-grained, few small gravel, dense		
10							
15							

NOTES: ---

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BORING LOG

BOREHOLE NO.: **SB-14A**

LATITUDE: **47.3351530**

LONGITUDE: **-122.3129900**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07**
LOGGED BY: **T. Crump**
CLIENT: **MultiCare Health System**
DATES DRILLED: **11/13/2019**

DRILLING CO.: **Holocene Drilling**
DRILLER: **M. Graham**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **15**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 2" asphalt paving and gravelly fill material		
5				SP	Gravelly Sand: brown, moist, loose, poorly sorted - abundant large gravel - grayish-brown - few cobbles, abundant gravel - cobbles - clayey, few cobbles		
10							
15							

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-14B**

LATITUDE: **47.3352430**

LONGITUDE: **-122.3129990**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07**
LOGGED BY: **T. Crump**
CLIENT: **MultiCare Health System**
DATES DRILLED: **11/13/2019**

DRILLING CO.: **Holocene Drilling**
DRILLER: **M. Graham**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **15**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 3" asphalt paving and gravelly fill material		
5				SP	Gravelly Sand: grayish-brown, moist, poorly sorted, abundant large gravel, and loose - clayey and abundant large gravel - few cobbles		
10							
15							

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-14C**
LATITUDE: **47.3351590**
LONGITUDE: **-122.3128880**

PROJECT INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **11/13/2019**

DRILLING INFORMATION

DRILLING CO.: **Holocene Drilling**
DRILLER: **M. Graham**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **15**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 3" asphalt paving and gravelly fill material		
5		100	0.0	SP	Gravelly Sand: brown, moist, loose, poorly-sorted - grayish-brown and abundant large gravel - few cobbles		
10		100	0.0		- clayey and abundant large gravel - few large gravel		
15		100	0.0				

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-14D**

LATITUDE: **47.3352430**

LONGITUDE: **-122.3128870**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07**
LOGGED BY: **T. Crump**
CLIENT: **MultiCare Health System**
DATES DRILLED: **11/13/2019**

DRILLING CO.: **Holocene Drilling**
DRILLER: **M. Graham**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **15**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 3" asphalt paving and gravelly fill material		
			0.0		Gravelly Sand: brown, moist, loose, poorly-sorted		
		100	0.0				
5			0.0		- grayish-brown and abundant large gravel		
			0.0		- little clay		
		100	0.0	SP	- clayey		
			0.0				
10			0.0				
			0.0				
		100	0.0		- medium gravel		
			0.0				
15			0.0				

NOTES: ---

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BORING LOG

BOREHOLE NO.: **SB-15**

LATITUDE: **47.3353640**

LONGITUDE: **-122.3129510**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **11/14/2019**

DRILLING CO.: **Cascade Drilling LP**
DRILLER: **J. Gable**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **15**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 2" asphalt paving and gravelly sand fill material		
5				SP	Gravelly Sand: light brown to brown, moist, poorly-sorted, loose, abundant medium to large garvel		
10							
15							

NOTES: ---

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BORING LOG

BOREHOLE NO.: **SB-15A**
LATITUDE: **47.3353320**
LONGITUDE: **-122.3130010**

PROJECT INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **11/13/2019**

DRILLING INFORMATION

DRILLING CO.: **Cascade Drilling LP**
DRILLER: **J. Gable**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **15**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 2" asphalt paving and gravelly sand fill material		
100			0.3		Gravelly Sand: brown, moist, poorly-sorted, loose, abundant medium to large gravel		
5			0.1				
100			0.1	SP	- light brown		
10			0.1				
100			0.1				
15			0.1				

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-15B**
LATITUDE: **47.3354030**
LONGITUDE: **-122.3130050**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **11/14/2019**

DRILLING CO.: **Cascade Drilling LP**
DRILLER: **J. Gable**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **15**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 2" asphalt paving and gravelly sand fill material		
0.1					Gravelly Sand: dark brown to brown, moist, poorly-sorted, loose, abundant medium to large gravel		
5				SP			
10							
15							

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-15D**
LATITUDE: **47.3354080**
LONGITUDE: **-122.3128900**

PROJECT INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07**
LOGGED BY: **T. Crump**
CLIENT: **MultiCare Health System**
DATES DRILLED: **11/14/2019**

DRILLING INFORMATION

DRILLING CO.: **Holocene Drilling**
DRILLER: **K. Doyle**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **15**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 2" asphalt paving and gravelly sand fill material		
100			0.0		Gravelly Sand: grayish-brown, moist, poorly-sorted, loose, abundant gravel		
5			0.5		- brown and clayey		
100			0.6		- small to medium gravel		
10			0.5	SP			
100			0.5				
15			0.5				

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-16**

LATITUDE: **47.3351970**

LONGITUDE: **-122.3127800**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07**
LOGGED BY: **T. Crump**
CLIENT: **MultiCare Health System**
DATES DRILLED: **11/13/2019**

DRILLING CO.: **Holocene Drilling**
DRILLER: **M. Graham**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **15**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 2" asphalt paving and gravelly fill material		
			0.2		Fill: grayish-brown, gravelly sand with abundant large gravel		
			0.2				
5			0.4		- rubber debris		
			0.3		- rubber debris		
			0.2				
10			0.2	SP	Gravelly Sand: brown, moist, clayey, abundant small to medium gravel, loose		
			0.2				
			0.2		- little clay, large gravel		
15			0.2				

NOTES: ---

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BORING LOG

BOREHOLE NO.: **SB-16A**
LATITUDE: **47.3351580**
LONGITUDE: **-122.3128170**

PROJECT INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07**
LOGGED BY: **T. Crump**
CLIENT: **MultiCare Health System**
DATES DRILLED: **11/13/2019**

DRILLING INFORMATION

DRILLING CO.: **Holocene Drilling**
DRILLER: **M. Graham**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **15**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 2" asphalt paving and gravelly fill material		
		100	0.0				
			0.1				
5			0.2	CL	Gravelly Clay: dark gray to brown, very moist - few large gravel		
			0.1				
		100	0.1				
			0.1				
10			0.1	SP	Gravelly Sand: brown, moist, poorly-sorted, abundant small gravel, and loose		
			0.1				
		100	0.0				
			0.0				
15			0.0		- clayey and abundant large gravel, few light brown mottles		

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-16B**
LATITUDE: **47.3352450**
LONGITUDE: **-122.3128140**

PROJECT INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07**
LOGGED BY: **T. Crump**
CLIENT: **MultiCare Health System**
DATES DRILLED: **11/13/2019**

DRILLING INFORMATION

DRILLING CO.: **Holocene Drilling**
DRILLER: **M. Graham**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **15**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 2" asphalt paving and gravelly fill material		
5		100	0.0	SP	Gravelly Sand: brown to grayish-brown, moist, loose, abundant large gravel, and clayey		
10		100	0.0	CL	Gravelly Clay: brown, moist, small to medium gravel		
15		100	0.0	SP	Gravelly Sand: brown, moist, loose, poorly-sorted, abundant medium gravel and clayey		

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-16C**
LATITUDE: **47.3351630**
LONGITUDE: **-122.3127450**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07**
LOGGED BY: **T. Crump**
CLIENT: **MultiCare Health System**
DATES DRILLED: **11/13/2019**

DRILLING CO.: **Holocene Drilling**
DRILLER: **M. Graham**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **15**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 2" asphalt paving and gravelly fill material		
					Fill: gravelly sand, grayish-brown to brown, moist, clayey		
					- very clayey seam		
					- small wood debris		
5							
10							
15							

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-16D**
LATITUDE: **47.3352460**
LONGITUDE: **-122.3127480**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07**
LOGGED BY: **T. Crump**
CLIENT: **MultiCare Health System**
DATES DRILLED: **11/13/2019**

DRILLING CO.: **Holocene Drilling**
DRILLER: **M. Graham**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **15**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 2" asphalt paving and gravelly fill material		
			0.3		Fill: gray to grayish-brown, moist, abundant large gravel, clayey		
		100	0.5		- smal to medium gravel		
5			0.6		- metal debris		
			0.5		- small white gravel		
		100	0.3		- rubber debris		
10			0.0				
			0.0				
		100	0.0				
			0.0				
15			0.0				
				SP	Gravelly Sand: - metal debris		

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-17**
LATITUDE: **47.3353650**
LONGITUDE: **-122.3127870**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07**
LOGGED BY: **T. Crump**
CLIENT: **MultiCare Health System**
DATES DRILLED: **11/13/2019**

DRILLING CO.: **Holocene Drilling**
DRILLER: **M. Graham**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **15**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 2" asphalt paving and gravelly fill material		
0.2					Gravelly Sand: grayish-brown, moist, poorly-sorted, loose, abundant medium to large gravel		
1.1							
2.5					- brown and clayey		
2.8					- small to medium gravel		
1.8				SP	- small gravel		
1.7							
0.8					- little clay, small to medium gravel		
1.1					- clayey		
3.3							

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-17A**
LATITUDE: **47.3353250**
LONGITUDE: **-122.3128180**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07**
LOGGED BY: **T. Crump**
CLIENT: **MultiCare Health System**
DATES DRILLED: **11/13/2019**

DRILLING CO.: **Holocene Drilling**
DRILLER: **M. Graham**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **15**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 2" asphalt paving and gravelly sand fill material		
0.3				SP	Gravelly Sand: gray-ish brown, moist, poorly-sorted, abundant gravel, clayey		
0.4							
0.4							
0.8							
6.8				CL	Gravelly Clay: grayish-brown to brown, moist, firm, few small to medium gravel		
3.7					- sandy		
2.3					- few large gravel		
5.3					- gray and brown mottled		
2.2							

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-17B**

LATITUDE: **47.3354100**

LONGITUDE: **-122.3128150**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07**
LOGGED BY: **T. Crump**
CLIENT: **MultiCare Health System**
DATES DRILLED: **11/14/2019**

DRILLING CO.: **Holocene Drilling**
DRILLER: **K. Doyle**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **15**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 2" asphalt paving and gravelly sand fill material		
0.5				SP	Gravelly Sand: grayish-brown, moist, poorly-sorted, loose, abundant gravel - brown, clayey, small gravel		
1.4							
5							
10							
15				CL	Gravelly Clay: brown, moist, some small gravel, sandy, soft		

NOTES: ---

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BORING LOG

BOREHOLE NO.: **SB-17C**
LATITUDE: **47.3353290**
LONGITUDE: **-122.3127500**

PROJECT INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07**
LOGGED BY: **T. Crump**
CLIENT: **MultiCare Health System**
DATES DRILLED: **11/13/2019**

DRILLING INFORMATION

DRILLING CO.: **Holocene Drilling**
DRILLER: **M. Graham**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **15**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 2" asphalt paving and gravelly fill material		
0.4		100		SP	Gravelly Sand: grayish-brown, moist, abundant medium to large gravel, loose		
5.0							
1.5							
1.2							
10.0		100					
0.7					- brown and clayey - heavy chemical odor - abundant small to medium gravel		
224							
90.1							
73		100					
244							
15							

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-17D**

LATITUDE: **47.3354030**

LONGITUDE: **-122.3127500**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07**
LOGGED BY: **T. Crump**
CLIENT: **MultiCare Health System**
DATES DRILLED: **11/13/2019**

DRILLING CO.: **Holocene Drilling**
DRILLER: **M. Graham**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **15**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 2" asphalt paving and gravelly fill material		
0.5				SP	Gravelly Sand: brown, moist, loose, poorly-sorted, abundant large gravel		
0.3							
0.5							
0.8							
100				CI	Gravelly Clay: brown, moist, few small gravel and sandy, soft		
0.3							
0.7							
0.6							
0.9							
100							
0.0					- gray mottling		
15							

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-17E**
LATITUDE: **47.33535**
LONGITUDE: **-122.312727**

PROJECT INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07**
LOGGED BY: **T. Crump**
CLIENT: **MultiCare Health System**
DATES DRILLED: **11/14/2019**

DRILLING INFORMATION

DRILLING CO.: **Holocene Drilling**
DRILLER: **K. Doyle**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **15**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 2" asphalt paving and gravelly sand fill material		
			0.0		Fill: grayish-brown, moist, loose, abundant gravel		
5			0.0				
			0.0				
10			0.0		- rubber debris		
			0.0				
			0.0				
			0.0				
			0.0				
			0.0				
15			0.0	CL	Gravelly Clay: brown, moist, some small gravel, sandy, soft		

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-17F**
LATITUDE: **47.335312**
LONGITUDE: **-122.312727**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07**
LOGGED BY: **T. Crump**
CLIENT: **MultiCare Health System**
DATES DRILLED: **11/14/2019**

DRILLING CO.: **Holocene Drilling**
DRILLER: **K. Doyle**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **25**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 2" asphalt paving and gravelly sand fill material		
100			0.0		Gravelly Sand: grayish-brown, moist, loose, poorly-sorted, gravel		
5			0.0		- brown, small to medium gravel		
100			0.0		- slightly clayey		
10					- slight chemical odor		
			16.1		- little clay, small to medium gravel and slight chemical odor		
15			7.7	SP			
			11.8		- slight chemical odor		
			7.8				
			11.0				
			22.3				
20			20.1				
			58.8				
			3.8		- medium to large gravel		
			5.4				
25			4.2				

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-18**
LATITUDE: **47.3351700**
LONGITUDE: **-122.3126830**

PROJECT INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07**
LOGGED BY: **T. Crump**
CLIENT: **MultiCare Health System**
DATES DRILLED: **11/14/2019**

DRILLING INFORMATION

DRILLING CO.: **Holocene Drilling**
DRILLER: **K. Doyle**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **15**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 2" asphalt paving and gravelly sand fill material		
1.5		100	0.6		Gravelly Sand: grayish-brown, moist, loose, poorly-sorted, abundant large gravel		
5		0.2	0.3		- small to medium gravel and brown		
		0.3	0.2		- large gravel and clayey		
10		100	0.2	SP			
		0.0	0.0		- very clayey and small gravel, brown		
		100	0.0				
		0.0	0.0				
15							

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-19**
LATITUDE: **47.3351720**
LONGITUDE: **-122.3126130**

PROJECT INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07**
LOGGED BY: **T. Crump**
CLIENT: **MultiCare Health System**
DATES DRILLED: **11/14/2019**

DRILLING INFORMATION

DRILLING CO.: **Holocene Drilling**
DRILLER: **K. Doyle**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **15**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 2" asphalt paving and gravelly sand fill material		
100			0.2	SP	Gravelly Sand: grayish-brown, moist, loose, poorly-sorted, abundant large gravel		
5			0.7		- few cobbles and clayey		
			0.5				
			0.2				
100			0.0	CL	Gravelly Clay: brown, very moist, plastic, small to medium gravel		
10			0.0				
			0.0				
			0.0				
100			0.0		- grayish-brown		
15			0.0				

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-20**

LATITUDE: **47.3352620**

LONGITUDE: **-122.3126890**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07**
LOGGED BY: **T. Crump**
CLIENT: **MultiCare Health System**
DATES DRILLED: **11/14/2019**

DRILLING CO.: **Holocene Drilling**
DRILLER: **K. Doyle**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **15**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 2" asphalt paving and gravelly sand fill material		
59.5					Fill: gray gravelly sand, moist, loose		
81.7					- few cobbles, metal debris, grayish-brown		
45.6					- few cobbles, large gravel, wood debris, brown		
12.6					- abundant medium gravel		
7.4							
13.0							
7.2				SP	Gravelly Sand: brown, moist, clayey, loose, poorly-sorted		
7.9				CL	Gravelly Clay: grayish-brown, very moist, sandy, small gravel		
3.4							

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-21**

LATITUDE: **47.3352620**

LONGITUDE: **-122.3126250**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07**
LOGGED BY: **T. Crump**
CLIENT: **MultiCare Health System**
DATES DRILLED: **11/14/2019**

DRILLING CO.: **Holocene Drilling**
DRILLER: **K. Doyle**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **15**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 2" asphalt paving and gravelly sand fill material		
5.9					Fill: gray gravelly sand, moist, loose, abundant large gravel		
19.9					- dark brown		
13.2					- wood debris, medium to large gravel		
7.9							
21.7					- abundant wood debris		
14.4							
37.1							
15.5				SP	Gravelly Sand: grayish-brown, moist, loose, poorly-sorted, abundant gravel		
9.7				CL	Gravelly Clay: grayish-brown, very moist, sandy, small gravel, soft		

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-22**
LATITUDE: **47.3353310**
LONGITUDE: **-122.3126560**

PROJECT INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07**
LOGGED BY: **T. Crump**
CLIENT: **MultiCare Health System**
DATES DRILLED: **11/14/2019**

DRILLING INFORMATION

DRILLING CO.: **Holocene Drilling**
DRILLER: **K. Doyle**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **15**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 2" asphalt paving and gravelly sand fill material		
100			0.3		Fill: grayish-brown, poorly-sorted, moist, abundant gravel, loose		
5			0.6				
			0.5				
			0.4				
100			0.4				
10			0.4		- metal debris		
			0.4		- rubber debris		
			0.5		- rubber debris		
15			0.6	CL	Gravelly Clay: grayish-brown, very moist, sandy, small gravel, soft		

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-23**
LATITUDE: **47.3353910**
LONGITUDE: **-122.3126320**

PROJECT INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07**
LOGGED BY: **T. Crump**
CLIENT: **MultiCare Health System**
DATES DRILLED: **11/14/2019**

DRILLING INFORMATION

DRILLING CO.: **Holocene Drilling**
DRILLER: **K. Doyle**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **15**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 2" asphalt paving and gravelly sand fill material		
100			0.6		Fill: gravelly sand, brown, poorly-sorted, large gravel, moist, loose		
5			0.6		- asphalt chips		
			0.8				
			0.2				
100			0.3		- asphalt chips		
10			0.4				
			0.2		- grayish-brown, very clayey, small gravel		
			0.2				
100			0.2		- rubber debris		
15			0.2		- rubber debris		

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-24**

LATITUDE: **47.3353850**

LONGITUDE: **-122.3127030**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07**
LOGGED BY: **T. Crump**
CLIENT: **MultiCare Health System**
DATES DRILLED: **11/14/2019**

DRILLING CO.: **Holocene Drilling**
DRILLER: **K. Doyle**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **15**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 2" asphalt paving and gravelly sand fill material		
100			0.0		Gravelly Sand: grayish-brown, moist, loose, abundant large gravel, poorly-sorted		
5			0.0				
			0.1	SP	- brown		
100			0.1				
10			0.0		- slightly clayey		
			0.0				
100			0.1				
15			0.5	CL	Gravelly Clay: grayish-brown, very moist, small gravel, soft		

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-25**
LATITUDE: **47.3352740**
LONGITUDE: **-122.3125410**

PROJECT INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **11/14/2019**

DRILLING INFORMATION

DRILLING CO.: **Cascade Drilling LP**
DRILLER: **J. Gable**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **20**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 2" asphalt paving and gravelly sand fill material		
100				SP	Gravelly Sand: brown, very moist, poorly-sorted, loose, abundant medium to large gravel		
5							
10							
15				CL	Clayey Sand: brown, medium to large gravel, moist		
20							

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-26**
LATITUDE: **47.3352550**
LONGITUDE: **-122.3124060**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **11/14/2019**

DRILLING CO.: **Cascade Drilling LP**
DRILLER: **J. Gable**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **20**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 2" asphalt paving and gravelly sand fill material		
5				SP	Gravelly Sand: brown, moist, poorly-sorted, loose, abundant medium to large gravel		
10							
15					- clayey with medium to large gravel, moist		
20							

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-27**
LATITUDE: **47.3353900**
LONGITUDE: **-122.3124650**

PROJECT INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **11/14/2019**

DRILLING INFORMATION

DRILLING CO.: **Cascade Drilling LP**
DRILLER: **J. Gable**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **20**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 2" asphalt paving and gravelly sand fill material		
100			0.1		Gravelly Sand: reddish-brown, moist, poorly-sorted, loose, abundant medium to large gravel		
5			0.0		- brown		
100			0.1		- grayish-brown		
10			0.0	SP			
100			0.1				
15			0.1				
100			0.1		- clayey with medium to large gravel, moist, tan		
20			0.1				

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-28**
LATITUDE: **47.3354850**
LONGITUDE: **-122.3124110**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **11/14/2019**

DRILLING CO.: **Cascade Drilling LP**
DRILLER: **J. Gable**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **20**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 2" asphalt paving and gravelly sand fill material		
100			0.2		Gravelly Sand: brown, moist, poorly-sorted, loose, abundant medium to large gravel		
5			0.1				
100			0.1				
10			0.1	SP	- medium gravel		
100			0.1				
15			0.5				
100			0.1		- clayey with small to medium gravel		
20			0.1				

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-29**
LATITUDE: **47.3355550**
LONGITUDE: **-122.3124610**

PROJECT INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **11/14/2019**

DRILLING INFORMATION

DRILLING CO.: **Cascade Drilling LP**
DRILLER: **J. Gable**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **20**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 2" asphalt paving and gravelly sand fill material		
5					Gravelly Sand: brown, very moist, poorly-sorted, loose, abundant medium to large gravel		
10				SP	- clayey with medium to large gravel		
15					- bricks, wood, building/construction debris		
20							

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-30**
LATITUDE: **47.335534**
LONGITUDE: **-122.313061**

PROJECT INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **11/14/2019**

DRILLING INFORMATION

DRILLING CO.: **Cascade Drilling LP**
DRILLER: **J. Gable**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **5**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 2" asphalt paving and gravelly sand fill material		
5		100	0.5	SP	Gravelly Sand: dark brown, moist, poorly-sorted, loose with abundant small to large gravel		

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-31**
LATITUDE: **47.335534**
LONGITUDE: **-122.313096**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **11/14/2019**

DRILLING CO.: **Cascade Drilling LP**
DRILLER: **J. Gable**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **5**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 2" asphalt paving and gravelly sand fill material		
5		100	0.2	SP	Gravelly Sand: dark brown, moist, poorly-sorted, wood debris throughout, small to medium gravel		

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-32**
LATITUDE: **47.335532**
LONGITUDE: **-122.313135**

PROJECT INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.08**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **1/7/20**

DRILLING INFORMATION

DRILLING CO.: **Holocene Drilling**
DRILLER: **M. Graham**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **12**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0			0.0		Asphalt: 2" asphalt paving and sandy gravel fill		
5		100	0.0	SP	Gravelly Sand: medium brown, moist, loose, poorly-sorted, loose with abundant small to large gravel		
10		100	0.0				

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-33**
LATITUDE: **47.3354968**
LONGITUDE: **-122.3130906**

PROJECT INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.08**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **1/7/20**

DRILLING INFORMATION

DRILLING CO.: **Holocene Drilling**
DRILLER: **M. Graham**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **12**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0			0.0		Asphalt: 2" asphalt paving and gravelly sand fill		
5		100	0.0	SP	Gravelly Sand: medium brown, moist, loose, poorly-sorted, loose with abundant small to large gravel		
10		100	0.0				

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-34**
LATITUDE: **47.3355350**
LONGITUDE: **-122.3130240**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.08**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **1/7/20**

DRILLING CO.: **Holocene Drilling**
DRILLER: **M. Graham**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **12**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 2" asphalt paving and sandy gravel fill		
5				SP	Gravelly Sand: medium brown, moist, loose, poorly-sorted, loose with abundant small to large gravel		
10							

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-35**
LATITUDE: **47.3355660**
LONGITUDE: **-122.3131005**

PROJECT INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.08**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **1/7/20**

DRILLING INFORMATION

DRILLING CO.: **Holocene Drilling**
DRILLER: **M. Graham**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **12**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0			0.0		Asphalt: 2" asphalt paving and gravelly sand mix		
5		100	0.0	SP	Gravelly Sand: medium brown, moist, loose, poorly-sorted, loose with abundant small to large gravel		
10			0.0				
			0.0				

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-36**
LATITUDE: **47.3355350**
LONGITUDE: **-122.3129710**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.08**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **1/7/20**

DRILLING CO.: **Holocene Drilling**
DRILLER: **M. Graham**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **12**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0			0.0		Asphalt: 2" asphalt paving and sandy gravelly fill		
			0.0		Gravelly Sand: medium brown, moist, loose, poorly-sorted, loose with abundant small to large gravel		
5		100	0.0	SP			
			0.0				
10			0.0				
			0.0				

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-37**

LATITUDE: **47.3354563**

LONGITUDE: **-122.3130879**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.08**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **1/7/20**

DRILLING CO.: **Holocene Drilling**
DRILLER: **M. Graham**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **12**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0			0.0		Asphalt: 2" asphalt paving and gravel fill		
			0.0		Gravelly Sand: medium brown, moist, loose, poorly-sorted, loose with abundant small to large gravel		
5		100	0.0	SP			
			0.0				
10			0.0				
			0.0				

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-38**
LATITUDE: **47.3355320**
LONGITUDE: **-122.3131890**

PROJECT INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.08**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **1/7/20**

DRILLING INFORMATION

DRILLING CO.: **Holocene Drilling**
DRILLER: **M. Graham**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **12**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0			0.0		Asphalt: 2" asphalt paving and gravel fill		
			0.0		Gravelly Sand: medium brown, moist, loose, poorly-sorted, loose with abundant small to large gravel		
5		100	0.0	SP			
			0.0				
10			0.0				

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-39**
LATITUDE: **47.3356029**
LONGITUDE: **-122.3130975**

PROJECT INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.08**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **1/7/20**

DRILLING INFORMATION

DRILLING CO.: **Holocene Drilling**
DRILLER: **M. Graham**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **12**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0			0.0		Asphalt: 2" asphalt paving and gravel sand mix		
			0.0		Gravelly Sand: medium brown, moist, loose, poorly-sorted, loose with abundant small to large gravel		
5		100	0.0	SP			
			0.0				
10			0.0				

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-40**
LATITUDE: **47.3352270**
LONGITUDE: **-122.312408**

PROJECT INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.08**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **01/08/2020**

DRILLING INFORMATION

DRILLING CO.: **Holocene Drilling**
DRILLER: **M. Graham**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **20'**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 2" asphalt paving and gravel mix		
			0.0		Gravelly sand: brown, moist, poorly sorted, loose, abundant medium to large gravel		
5			0.0				
			0.0				
10		100	0.0	SP			
			0.0				
15			0.0		- clayey, very moist with medium to large gravel		
			0.0				
20			0.0				

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-41**
LATITUDE: **47.3352910**
LONGITUDE: **-122.3124120**

PROJECT INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.08**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **01/08/2020**

DRILLING INFORMATION

DRILLING CO.: **Holocene Drilling**
DRILLER: **M. Graham**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **20'**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 2" asphalt paving with gravelly sand mix		
			0.0		Gravelly sand: brown, moist, poorly sorted, loose, abundant medium to large gravel		
5			0.0				
			0.0				
10		100	0.0	SP			
			0.0		- clayey, very moist with medium to large gravel		
15			0.0				
			0.0				
20			0.0				

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-42**
LATITUDE: **47.3351890**
LONGITUDE: **-122.3123530**

PROJECT INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.08**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **01/08/2020**

DRILLING INFORMATION

DRILLING CO.: **Holocene Drilling**
DRILLER: **M. Graham**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **20'**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 2" asphalt paving with gravelly sand mix		
			0.0		Gravelly sand: brown, moist, poorly sorted, loose, abundant medium to large gravel		
5			0.0				
			0.0				
10		100	0.0	SP			
			0.0				
15			0.0		- clayey, very moist with medium to large gravel		
			0.0				
20			0.0				

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-43**
LATITUDE: **47.3352570**
LONGITUDE: **-122.3133530**

PROJECT INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.08**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **01/08/2020**

DRILLING INFORMATION

DRILLING CO.: **Holocene Drilling**
DRILLER: **M. Graham**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **20'**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 2" asphalt paving with gravelly sand mix		
			0.0		Gravelly sand: brown, moist, poorly sorted, loose, abundant medium to large gravel		
5			0.0				
			0.0				
10		100	0.0	SP			
			0.0				
15			0.0		- clayey, very moist with medium to large gravel		
			0.0				
20			0.0				

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-44**
LATITUDE: **47.3352110**
LONGITUDE: **-122.3126230**

PROJECT INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.08**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **01/08/2020**

DRILLING INFORMATION

DRILLING CO.: **Holocene Drilling**
DRILLER: **M. Graham**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **20'**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 2" asphalt paving with gravelly sand mix		
			0.0	SP	Gravelly sand: grayish brown, moist, loose, poorly sorted with abundant medium to large gravel		
5			0.0				
			0.0				
10		100	0.0	CL	Gravelly clay: brown, very moist, plastic, small to medium gravel		
			0.0				
15			0.0				
			0.0				
			0.0		- grayish brown		
20			0.0				

NOTES: ---

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



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BORING LOG

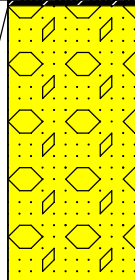
BOREHOLE NO.: **SB-45**
LATITUDE: **47.3354280**
LONGITUDE: **-122.3126840**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.08**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **01/08/2020**

DRILLING CO.: **Holocene Drilling**
DRILLER: **M. Graham**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **8'**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0			0.0		Asphalt: 2" asphalt paving with gravelly sand mix		
5		100	0.0	SP	Gravelly sand: brown, moist, poorly sorted, loose, abundant medium to large gravel - grayish brown		

NOTES: ---

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BORING LOG

BOREHOLE NO.: **SB-46**
LATITUDE: **47.3353170**
LONGITUDE: **-122.3127510**

PROJECT INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.08**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **01/08/2020**

DRILLING INFORMATION

DRILLING CO.: **Holocene Drilling**
DRILLER: **M. Graham**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **30'**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 2" asphalt and gravelly mix		
			0.0		Gravelly sand: grayish brown, moist, abundant medium to large gravel		
5			0.0				
			0.0				
10			0.0		- brown and clayey		
			0.0				
15		100	0.0	SP	- dry, medium to large gravel		
			0.0				
20			0.0				
			0.0				
25			0.0				
			0.0				
30			0.0				

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-47**

LATITUDE: **47.3353890**

LONGITUDE: **-122.3127730**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.08**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **01/07/2020**

DRILLING CO.: **Holocene Drilling**
DRILLER: **M. Graham**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **6'**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0			0.0		Asphalt: 2" asphalt paving with gravelly sand mix		
		100		SP	Gravelly sand: grayish brown, moist, loose, abundant medium to large gravel		
5			0.0				

NOTES: ---

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BORING LOG

BOREHOLE NO.: **SB-48**
LATITUDE: **47.3353856**
LONGITUDE: **-122.3128224**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.08**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **01/07/2020**

DRILLING CO.: **Holocene Drilling**
DRILLER: **M. Graham**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **6'**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0			0.0		Asphalt: 2" asphalt paving with gravelly mix		
100				SP	Gravelly sand: grayish brown, moist, loose, abundant medium to large gravel		
5			0.0				

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-49**
LATITUDE: **47.3353374**
LONGITUDE: **-122.3128216**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.08**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **01/07/2020**

DRILLING CO.: **Holocene Drilling**
DRILLER: **M. Graham**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **6'**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0			0.0		Asphalt: 2" asphalt paving with gravelly sand mix		
		100		SP	Gravelly sand: grayish brown, moist, loose, abundant medium to large gravel		
5			0.0				

NOTES: ---

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BORING LOG

BOREHOLE NO.: **SB-50**

LATITUDE: **47.3351332**

LONGITUDE: **-122.3128680**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.08**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **01/07/2020**

DRILLING CO.: **Holocene Drilling**
DRILLER: **M. Graham**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **6'**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0			0.0		Asphalt: 2" asphalt paving with gravelly mix		
		100		SP	Gravelly sand: grayish brown, moist, loose, abundant medium to large gravel		
5			0.0				

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-51**
LATITUDE: **47.33552280**
LONGITUDE: **-122.3128950**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.08**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **01/07/2020**

DRILLING CO.: **Holocene Drilling**
DRILLER: **M. Graham**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **6'**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0			0.0		Asphalt: 2" asphalt paving with gravelly mix		
100				SP	Gravelly sand: grayish brown, moist, loose, abundant medium to large gravel		
5			0.0				

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-52**
LATITUDE: **47.3355320**
LONGITUDE: **-122.3131350**

PROJECT INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.08**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **01/07/2020**

DRILLING INFORMATION

DRILLING CO.: **Holocene Drilling**
DRILLER: **M. Graham**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **6'**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0			0.0		Asphalt: 2" asphalt paving with gravelly mix		
		100		SP	Gravelly sand: grayish brown, moist, loose, abundant medium to large gravel		
5			0.0				

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-53**

LATITUDE:

LONGITUDE:

PROJECT INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.08**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **01/07/2020**

DRILLING INFORMATION

DRILLING CO.: **Holocene Drilling**
DRILLER: **M. Graham**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **6'**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0			0.0		Asphalt: 2" asphalt paving with gravelly mix		
100				SP	Gravelly sand: grayish brown, moist, loose, abundant medium to large gravel		
5			0.0				

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-54**
LATITUDE: **47.335316**
LONGITUDE: **-122.312387**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.08**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **01/08/2020**

DRILLING CO.: **Holocene Drilling**
DRILLER: **M. Graham**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **20'**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 2" asphalt paving with gravelly fill		
			0.0		Gravelly sand: brown, moist, poorly sorted, loose, abundant medium to large gravel		
5			0.0				
			0.0				
10		100	0.0	SP			
			0.0				
15			0.0		- clayey, very moist with medium to large gravel		
			0.0				
20							

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-55**
LATITUDE: **47.335546**
LONGITUDE: **-122.312653**

PROJECT INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.08**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **01/08/2020**

DRILLING INFORMATION

DRILLING CO.: **Holocene Drilling**
DRILLER: **M. Graham**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **8'**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 2" asphalt paving with gravelly fill		
			0.0		Gravelly sand: brown, moist, poorly sorted, loose, abundant medium to large gravel		
5		100	0.0	SP	- tan		

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-56**
LATITUDE: **47.335458**
LONGITUDE: **-122.312722**

PROJECT INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.08**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **01/08/2020**

DRILLING INFORMATION

DRILLING CO.: **Holocene Drilling**
DRILLER: **M. Graham**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **8'**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 2" asphalt paving with gravelly mix		
5		100	0.0	SP	Gravelly sand: brown, moist, poorly sorted, loose, with small to medium gravel		
			0.0				

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-57**
LATITUDE: **47.335437**
LONGITUDE: **-122.312827**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.08**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **01/08/2020**

DRILLING CO.: **Holocene Drilling**
DRILLER: **M. Graham**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **6'**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 2" asphalt paving with gravelly mix		
100				SP	Gravelly sand: brown, moist, poorly sorted, loose, with medium to large gravel		
5							

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-58**
LATITUDE: **47.335437**
LONGITUDE: **-122.31297**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.08**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **01/08/2020**

DRILLING CO.: **Holocene Drilling**
DRILLER: **M. Graham**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **6'**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 2" asphalt paving with gravelly fill mix		
100				SP	Gravelly sand: brown, moist, poorly sorted, loose, with abundant small to large gravel		
5							

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-59**
LATITUDE: **47.335347**
LONGITUDE: **-122.312974**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.08**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **01/08/2020**

DRILLING CO.: **Holocene Drilling**
DRILLER: **M. Graham**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **6'**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 2" asphalt paving with gravelly fill mix		
100				SP	Gravelly sand: brown, moist, poorly sorted, loose, with abundant small to large gravel		
5							

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-60**
LATITUDE: **47.335274**
LONGITUDE: **-122.312971**

PROJECT INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.08**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **01/08/2020**

DRILLING INFORMATION

DRILLING CO.: **Holocene Drilling**
DRILLER: **M. Graham**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **6'**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 2" asphalt paving with gravelly fill mix		
		100	0.0	SP	Gravelly sand: brown, moist, poorly sorted, loose, with abundant medium to large gravel		
5			0.0				

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-61**
LATITUDE: **47.3353**
LONGITUDE: **-122.313054**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.08**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **01/08/2020**

DRILLING CO.: **Holocene Drilling**
DRILLER: **M. Graham**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **6'**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Asphalt: 2" asphalt paving with gravelly fill mix		
		100	0.0	SP	Gravelly sand: brown, moist, poorly sorted, loose, with abundant medium to large gravel		
5			0.0				

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-62**
LATITUDE: **47.334961**
LONGITUDE: **-122.312485**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07 (Task 2)**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **3/12/20**

DRILLING CO.: **Holocene Drilling**
DRILLER: **K. Doyle**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **6'**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0			0.0		Concrete		
			0.0				
		100	0.0	SP	Gravelly sand: brown, dry, poorly sorted, loose, with occasional cobbles		
5			0.0				

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-63**
LATITUDE: **47.334908**
LONGITUDE: **-122.312537**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07 (Task 2)**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **3/12/20**

DRILLING CO.: **Holocene Drilling**
DRILLER: **K. Doyle**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **6'**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0			0.0		Concrete		
			0.0		Gravelly sand: brown, moist, poorly sorted, loose, with occasional cobbles		
		100	0.0	SP			
5			0.0				

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-64**
LATITUDE: **47.334847**
LONGITUDE: **-122.312627**

PROJECT INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07 (Task 2)**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **3/12/20**

DRILLING INFORMATION

DRILLING CO.: **Holocene Drilling**
DRILLER: **K. Doyle**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **6'**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0			0.0		Concrete		
			0.0				
		100	0.0	SP	Gravelly sand: brown, moist, poorly sorted, loose, with occasional cobbles		
5			0.0				

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-65**
LATITUDE: **47.334962**
LONGITUDE: **-122.312623**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07 (Task 2)**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **3/12/20**

DRILLING CO.: **Holocene Drilling**
DRILLER: **K. Doyle**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **6'**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0			0.0		Concrete		
			0.0		Gravelly sand: brown, moist, poorly sorted, loose, with occasional cobbles		
		100	0.0	SP			
5			0.0				

NOTES: ---

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BORING LOG

BOREHOLE NO.: **SB-66**
LATITUDE: **47.334843**
LONGITUDE: **-122.312405**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07 (Task 2)**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **3/12/20**

DRILLING CO.: **Holocene Drilling**
DRILLER: **K. Doyle**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **6'**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0			0.0				
			0.0				
			0.0				
		100	0.0	SP	Gravelly sand: brown, moist, poorly sorted, loose, with occasional cobbles		
5			0.0				
			0.0				

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-67**
LATITUDE: **47.334985**
LONGITUDE: **-122.312407**

PROJECT INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07 (Task 2)**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **3/12/20**

DRILLING INFORMATION

DRILLING CO.: **Holocene Drilling**
DRILLER: **K. Doyle**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **6'**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0			0.0		Concrete		
			0.0				
		100	0.0	SP	Gravelly sand: brown, moist, poorly sorted, loose, with occasional cobbles		
5			0.0				

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-68**
LATITUDE: **47.334905**
LONGITUDE: **-122.312858**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07 (Task 2)**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **3/12/20**

DRILLING CO.: **Holocene Drilling**
DRILLER: **K. Doyle**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **6'**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0			0.1		Concrete		
			0.0		Gravelly sand: brown, moist, poorly sorted, loose, with occasional cobbles		
		100	0.0	SP			
5			4.0				

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-69**
LATITUDE: **47.334939**
LONGITUDE: **-122.312839**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07 (Task 2)**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **3/12/20**

DRILLING CO.: **Holocene Drilling**
DRILLER: **K. Doyle**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **6'**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0			0.1		Concrete		
			0.0		Gravelly sand: brown, moist, poorly sorted, loose, with occasional cobbles		
		100	0.1	SP			
5			0.1				

NOTES: ---

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BORING LOG

BOREHOLE NO.: **SB-70**
LATITUDE: **47.335565**
LONGITUDE: **-122.313243**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07 (Task 2)**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **3/12/20**

DRILLING CO.: **Holocene Drilling**
DRILLER: **K. Doyle**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **11'**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0					Gravelly sand: brown, moist, poorly sorted, and loose		
0.5							
1.9							
5		100	1.3	SP	- light brown, some cobbles		
10			0.4				

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-71**
LATITUDE: **47.335529**
LONGITUDE: **-122.313266**

PROJECT INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07 (Task 2)**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **3/12/20**

DRILLING INFORMATION

DRILLING CO.: **Holocene Drilling**
DRILLER: **K. Doyle**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **11'**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0			0.0		Gravelly sand: brown, moist, poorly sorted, and loose		
5		100	0.0	SP	- tan, some cobbles		
10			0.0				

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-72**
LATITUDE: **47.335492**
LONGITUDE: **-122.313235**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07 (Task 2)**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System**
DATES DRILLED: **3/12/20**

DRILLING CO.: **Holocene Drilling**
DRILLER: **K. Doyle**
RIG TYPE: **Truck Mounted**
METHOD OF DRILLING: **Hollow Stem**
SAMPLING METHOD: **Split Spoon**
TOTAL DEPTH: **11'**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0			0.0		Gravelly sand: brown, moist, poorly sorted, and loose		
5		100	0.0	SP	- tan, some cobbles		
10			0.0				

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-73**
LATITUDE: **47.335485**
LONGITUDE: **-122.313234**

PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System, a Washington nonprofit corporation**
DATES DRILLED: **10/07/20**

DRILLING CO.: **Holocene Drilling**
DRILLER: **T. Adams**
RIG TYPE: **---**
METHOD OF DRILLING: **Hand Auger**
SAMPLING METHOD: **Auger Bucket**
TOTAL DEPTH: **5'**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0			0.0		Asphalt		
		100		SP	Gravelly sand: medium brown, moist, poorly sorted, loose		
5			0.0		-light brown, some cobbles		

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-74**
LATITUDE: **47.335497**
LONGITUDE: **-122.313213**

PROJECT INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System, a Washington nonprofit corporation**
DATES DRILLED: **10/07/20**

DRILLING INFORMATION

DRILLING CO.: **Holocene Drilling**
DRILLER: **T. Adams**
RIG TYPE: **---**
METHOD OF DRILLING: **Hand Auger**
SAMPLING METHOD: **Auger Bucket**
TOTAL DEPTH: **5'**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0			0.0		Asphalt		
		100		SP	Gravelly sand: medium brown, moist, poorly sorted, loose		
5			0.0		-some cobbles		

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-75**
LATITUDE: **47.335456**
LONGITUDE: **-122.313229**

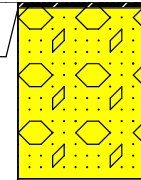
PROJECT INFORMATION

DRILLING INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System, a Washington nonprofit corporation**
DATES DRILLED: **10/07/20**

DRILLING CO.: **Holocene Drilling**
DRILLER: **T. Adams**
RIG TYPE: **---**
METHOD OF DRILLING: **Hand Auger**
SAMPLING METHOD: **Auger Bucket**
TOTAL DEPTH: **5'**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0			0.0		Asphalt		
		100		SP	Gravelly sand: medium brown, moist, poorly sorted, loose		
5			0.0		-some cobbles		



NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-76**
LATITUDE: **47.335489**
LONGITUDE: **-122.31326**

PROJECT INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System, a Washington nonprofit corporation**
DATES DRILLED: **10/07/20**

DRILLING INFORMATION

DRILLING CO.: **Holocene Drilling**
DRILLER: **T. Adams**
RIG TYPE: **---**
METHOD OF DRILLING: **Hand Auger**
SAMPLING METHOD: **Auger Bucket**
TOTAL DEPTH: **5'**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0			0.0		Gravelly sand: dark brown, moist, abundant organic material		
100				SP			
5			0.0		-some cobbles		

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-77**
LATITUDE: **47.335515**
LONGITUDE: **-122.313236**

PROJECT INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System, a Washington nonprofit corporation**
DATES DRILLED: **10/07/20**

DRILLING INFORMATION

DRILLING CO.: **Holocene Drilling**
DRILLER: **T. Adams**
RIG TYPE: **---**
METHOD OF DRILLING: **Hand Auger**
SAMPLING METHOD: **Auger Bucket**
TOTAL DEPTH: **5'**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0			0.0	SP	Gravelly sand: medium brown, moist, abundant organic material -some cobbles		
5		100	0.0				

NOTES: ---

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



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BORING LOG

BOREHOLE NO.: **SB-78**
LATITUDE: **47.335534**
LONGITUDE: **-122.313222**

PROJECT INFORMATION

PROJECT NAME: **Former Payless Auto Mart**
SITE LOCATION: **29805 Pacific Hwy S**
CITY, STATE: **Federal Way, Washington**
TGE PROJECT NO.: **R13411.07**
LOGGED BY: **K. Barnette**
CLIENT: **MultiCare Health System, a Washington nonprofit corporation**
DATES DRILLED: **10/07/20**

DRILLING INFORMATION

DRILLING CO.: **Holocene Drilling**
DRILLER: **T. Adams**
RIG TYPE: **---**
METHOD OF DRILLING: **Hand Auger**
SAMPLING METHOD: **Auger Bucket**
TOTAL DEPTH: **5'**
SURFACE ELEVATION: **---**

DEPTH (in feet)	SAMPLE	% RECOVERY	ORGANIC VAPOR (ppm)	USCS	LITHOLOGIC DESCRIPTION	SOIL PROFILE	REMARKS
0			0.0		Asphalt		
100				SP	Gravelly sand: medium brown, moist, abundant organic material		
5			0.0				

NOTES: ---

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