

April 8, 2024

Nannette Brooks
Initial Investigator
Toxics Cleanup Program/SWRO
Washington State Department of Ecology
PO Box 47775
Olympia, Washington 98504-7775

Via email: nbro461@ecy.wa.gov

Regarding: Heating Oil Remedial Excavation Oversight Report
404 NE 6th Avenue
Camas, Washington
PBS Project 24468.000

Dear Nannette:

PBS Engineering and Environmental LLC (PBS) supervised the removal of petroleum-contaminated soil related to a historically removed underground heating oil tank (HOT) at the former Camas First Christian Church, located at 404 NE 6th Avenue in Camas, Washington. Remedial excavation activities were completed in March 2024 during redevelopment of the site into a mixed-use development.

BACKGROUND

A historical decommissioning permit notes the removal of an underground HOT from the property in 1995 without the collection of confirmation samples. A geophysical survey was completed in September 2023, which located a soil disturbance consistent with a former tank excavation along the eastern side of the church structure. PBS advanced two soil borings using a direct-push drilling rig and encountered petroleum contamination at a depth of 8 feet below ground surface (bgs). Soil samples indicated a maximum diesel-range total petroleum hydrocarbon (TPH) concentration of 28,900 milligrams per kilogram (mg/kg) and a release was subsequently reported to the Washington State Department of Ecology.

REMEDIAL EXCAVATION

On March 13, 2024, PBS supervised the removal of 21.32 tons of petroleum contaminated soil (PCS) from the former HOT excavation with Thompson Bros. Excavating, Inc. of Vancouver, Washington, providing excavation services. The excavation included the removal of sample B-1-8.0, which had detected diesel-range TPH at a concentration of 28,900 mg/kg during the Phase II Environmental Site Assessment.

PBS field staff directed excavation activities and field screened soil for evidence of contamination (staining and odor). Excavation spoils were additionally field screened for volatile organic compounds (VOCs) using a handheld photoionization detector. Following removal of soil that exhibited evidence of petroleum contamination, confirmation samples were collected from the sidewalls and floor of the excavation at a depth of 10.5 feet bgs. Soil samples were collected using the excavator bucket. The samples were placed directly into laboratory-provided containers and stored on ice until delivery to Apex Laboratories in Tigard, Oregon. The samples were analyzed for Northwest Total Petroleum Hydrocarbons, diesel extended.

Excavation spoils were loaded into a dump truck and transported to Hillsboro Landfill for disposal. A copy of the disposal receipt is attached. The final limits of the excavation were measured to be approximately 18 feet by 13 feet wide and 10.5 feet deep. Groundwater was not encountered during the excavation.

LABORATORY RESULTS

Soil analytical results are included in Table 1 (attached). Diesel-range hydrocarbons were not detected above laboratory reporting limits in any of the confirmation samples collected. A copy of the laboratory report is attached.

CONCLUSIONS

Confirmation sample results indicate that diesel-range TPH concentrations at the site are below applicable Model Toxics Control Act Cleanup Levels of 2,000 mg/kg. Based on these findings, no further action is necessary and site closure is appropriate. Please contact us at 503.417.7610 or nick.thornton@pbsusa.com with any questions.

Sincerely,
PBS Engineering and Environmental LLC

Nick Thornton
Sr. Project Manager

Attachments: Figure 1. Vicinity Map
 Figure 2. Site Plan
 Figure 3. Detail Plan
 Table 1. Soil Analytical Results
 Photographic Documentation
 Disposal Receipts
 Laboratory Reports

RM:NT:tl



Site Vicinity

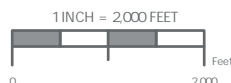
404 NE 6th Avenue, Camas, Washington

Date: April 2024 | Project: 24468.000

Figure: 1



Site Location



This product is for informational purposes and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.



Site Plan

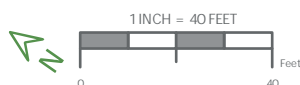
404 NE 6th Avenue, Camas, Washington

Date: April 2024 | Project: 24468.000

Figure: 2

○ Former UST Location

□ Site Boundary



This product is for informational purposes and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.







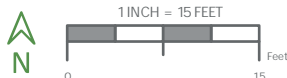
Detail Plan

404 NE 6th Avenue, Camas, Washington

Date: April 2024 | Project: 24468.000

Figure: 3

-  Site Boundary
-  Excavation Extent
-  Phase II Investigation Boring Locations
-  Confirmation Samples



This product is for informational purposes and may not have been prepared for or be suitable for legal, engineering, or surveying purposes. Users of this information should review or consult the primary data and information sources to ascertain the usability of the information.

Table 1. Soil Analytical Results

404 NE 6th Avenue
Camas, Washington

Sample ID	Sampling Date	Depth Collected (feet bgs)	Diesel	Heavy Oil
			mg/kg	
B1-8.0*	9/1/2023	8.0	28,900	<480
B1-11.0	9/1/2023	11.0	37.0	<49.2
B2-8.0*	9/1/2023	8.0	46.2	<48.4
Excavation Floor-10.5	3/13/2024	10.5	<22.2	<44.3
Excavation Wall-N	3/13/2024	10.5	<22.2	<44.4
Excavation Wall-E	3/13/2024	10.5	<23.5	<47.0
Excavation Wall-S	3/13/2024	10.5	<22.7	<45.5
Excavation Wall-W	3/13/2024	10.5	<23.4	<46.8
MTCA Soil Method A Cleanup Level ¹			2,000	2,000

Notes:

See laboratory report for full list of analytes and quality-control data.

Bold text, if present, indicates an exceedance of one or more of the cleanup levels.

<: Not detected above the laboratory reporting limit

mg/kg: milligrams per kilogram

bgs: below ground surface

See laboratory report for full list of analytes and quality-control data.

*Denotes that sample was removed during remedial excavation

¹Cleanup Levels and Risk Calculation (CLARC) Master Table, Washington State

Department of Ecology, January 2023



Photo 1. View looking northwest at the location of the former HOT with former tank pit marked by geophysical survey.



Photo 2. Soil samples being collected during the Phase II Environmental Site Assessment (ESA).



Photo 3. The church structures were removed during site redevelopment.



Photo 4. Visible stained petroleum contaminated soil (PCS) encountered at the location of boring B1 during the remedial excavation.



Photo 5. PCS was transported to Hillsboro Landfill for disposal.



Hillsboro Landfill, Inc
3205 SE Minter Bridge
Hillsboro, OR, 97123
Ph: (503)-640-9427

Original
Ticket# 1712443

Customer Name THOMPSON BROTHERS EXCAVATING Carrier THOMPSON BROS
Ticket Date 03/13/2024 Vehicle# 60-solo Volume
Payment Type Credit Account Container
Manual Ticket# Driver andy
Hauling Ticket# Check#
Route Billing # 0005078
State Waste Code Gen EPA ID
Manifest na
Destination Grid
PO
Profile 142238OR (DIESEL FUEL/FUEL OI CONTAMINATED SOIL (LF02))
Generator 133-HUDSON EAST LIVING LLC HUDSON EAST LIVING LLC 404 NE 6TH AVE CAMAS WA 98

	Time	Scale	Operator	Inbound	Gross	
In	03/13/2024 11:04:51	Inbound 1	tlong5		Tare	72300 lb
Out	03/13/2024 11:27:52	Outbound	TLONG5		Net	29660 lb
					Tons	42640 lb
Comments						21.32

Consumer Comments? We want to know. Please call.

Product	LD%	Qty	UOM	Rate	Tax	Amount	Origin
1 ENVCLEANUP RGCPCS-	100	21.32	Tons				CLARK

Total Tax
Total Ticket

Driver's Signature

Andy
Job # 2402



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Thursday, September 7, 2023

Nick Thornton

PBS Engineering and Environmental

4412 S Corbett Ave

Portland, OR 97239

RE: A3I0708 - Camas FC Church - 24468.000

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

Enclosed are the results of analyses for work order A3I0708, which was received by the laboratory on 9/1/2023 at 3:22:00PM.

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

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

Cooler Receipt Information		
<u>Acceptable Receipt Temperature is less than, or equal to, 6 degC (not frozen), or received on ice the same day as sampling.</u>		
(See Cooler Receipt Form for details)		
Default Cooler	0.4	degC

This Final Report is the official version of the data results for this sample submission, unless superseded by a subsequent, labeled amended report.

All other deliverables derived from this data, including Electronic Data Deliverables (EDDs), CLP-like forms, client requested summary sheets, and all other products are considered secondary to this report.



Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Jason Woodcock, Project Manager



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323

ORELAP ID: OR100062

PBS Engineering and Environmental

4412 S Corbett Ave

Portland, OR 97239

Project: **Camas FC Church**

Project Number: **24468.000**

Project Manager: **Nick Thornton**

Report ID:

A3I0708 - 09 07 23 1118

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B1-8.0	A3I0708-01	Soil	09/01/23 12:50	09/01/23 15:22
B1-11.0	A3I0708-02	Soil	09/01/23 12:55	09/01/23 15:22
B2-8.0	A3I0708-03	Soil	09/01/23 13:25	09/01/23 15:22

Apex Laboratories

Jason Woodcock, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

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

PBS Engineering and Environmental
4412 S Corbett Ave
Portland, OR 97239

Project: **Camas FC Church**
Project Number: **24468.000**
Project Manager: **Nick Thornton**

Report ID:
A3I0708 - 09 07 23 1118

ANALYTICAL SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
B1-8.0 (A3I0708-01)				Matrix: Soil		Batch: 23I0070		
Diesel	28900	---	240	mg/kg dry	10	09/06/23 07:08	NWTPH-Dx	
Oil	ND	---	480	mg/kg dry	10	09/06/23 07:08	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		Recovery: 87 %		Limits: 50-150 %	10	09/06/23 07:08	NWTPH-Dx	
B1-11.0 (A3I0708-02)				Matrix: Soil		Batch: 23I0070		
Diesel	37.0	---	24.6	mg/kg dry	1	09/06/23 08:05	NWTPH-Dx	F-11
Oil	ND	---	49.2	mg/kg dry	1	09/06/23 08:05	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		Recovery: 83 %		Limits: 50-150 %	1	09/06/23 08:05	NWTPH-Dx	
B2-8.0 (A3I0708-03)				Matrix: Soil		Batch: 23I0070		
Diesel	46.2	---	24.2	mg/kg dry	1	09/06/23 08:26	NWTPH-Dx	F-11
Oil	ND	---	48.4	mg/kg dry	1	09/06/23 08:26	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		Recovery: 95 %		Limits: 50-150 %	1	09/06/23 08:26	NWTPH-Dx	

Apex Laboratories

Jason Woodcock, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323

ORELAP ID: OR100062

PBS Engineering and Environmental

4412 S Corbett Ave

Portland, OR 97239

Project: **Camas FC Church**

Project Number: **24468.000**

Project Manager: **Nick Thornton**

Report ID:

A3I0708 - 09 07 23 1118

ANALYTICAL SAMPLE RESULTS

Percent Dry Weight

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
B1-8.0 (A3I0708-01)				Matrix: Soil		Batch: 23I0076		
% Solids	79.9	---	1.00	%	1	09/06/23 06:44	EPA 8000D	
B1-11.0 (A3I0708-02)				Matrix: Soil		Batch: 23I0076		
% Solids	76.3	---	1.00	%	1	09/06/23 06:44	EPA 8000D	
B2-8.0 (A3I0708-03)				Matrix: Soil		Batch: 23I0076		
% Solids	81.8	---	1.00	%	1	09/06/23 06:44	EPA 8000D	

Apex Laboratories

Jason Woodcock, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062**PBS Engineering and Environmental**4412 S Corbett Ave
Portland, OR 97239Project: **Camas FC Church**Project Number: **24468.000**Project Manager: **Nick Thornton****Report ID:****A310708 - 09 07 23 1118**

QUALITY CONTROL (QC) SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 23I0070 - EPA 3546 (Fuels)						Soil						
Blank (23I0070-BLK1)		Prepared: 09/05/23 08:08 Analyzed: 09/05/23 21:10										
NWTPH-Dx												
Diesel	ND	---	20.0	mg/kg wet	1	---	---	---	---	---	---	
Oil	ND	---	40.0	mg/kg wet	1	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)		Recovery: 95 %		Limits: 50-150 %		Dilution: 1x						
LCS (23I0070-BS1)		Prepared: 09/05/23 08:08 Analyzed: 09/05/23 21:30										
NWTPH-Dx												
Diesel	121	---	20.0	mg/kg wet	1	125	---	97	38 - 132%	---	---	
Surr: o-Terphenyl (Surr)		Recovery: 97 %		Limits: 50-150 %		Dilution: 1x						
Duplicate (23I0070-DUP2)		Prepared: 09/05/23 08:08 Analyzed: 09/06/23 08:47										
QC Source Sample: B2-8.0 (A3I0708-03)												
NWTPH-Dx												
Diesel	51.4	---	23.9	mg/kg dry	1	---	46.2	---	---	11	30%	F-11
Oil	ND	---	47.8	mg/kg dry	1	---	ND	---	---	---	30%	
Surr: o-Terphenyl (Surr)		Recovery: 93 %		Limits: 50-150 %		Dilution: 1x						

Apex Laboratories

Jason Woodcock, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323

ORELAP ID: OR100062

PBS Engineering and Environmental

4412 S Corbett Ave

Portland, OR 97239

Project: Camas FC Church

Project Number: **24468.000**

Project Manager: **Nick Thornton**

Report ID:

A310708 - 09 07 23 1118

QUALITY CONTROL (QC) SAMPLE RESULTS

Percent Dry Weight

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	--------------------	-------	----------	-----------------	------------------	-------	-----------------	-----	--------------	-------

Batch 2310076 - Total Solids (Dry Weight) - 2022

Soil

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

Apex Laboratories

Jason Woodcock, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

**ANALYTICAL REPORT****Apex Laboratories, LLC****6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062****PBS Engineering and Environmental
4412 S Corbett Ave
Portland, OR 97239****Project: Camas FC Church
Project Number: **24468.000**
Project Manager: **Nick Thornton******Report ID:
A310708 - 09 07 23 1118****SAMPLE PREPARATION INFORMATION****Diesel and/or Oil Hydrocarbons by NWTPH-Dx****Prep: EPA 3546 (Fuels)**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 2310070</u>							
A310708-01	Soil	NWTPH-Dx	09/01/23 12:50	09/05/23 08:08	10.42g/5mL	10g/5mL	0.96
A310708-02	Soil	NWTPH-Dx	09/01/23 12:55	09/05/23 08:08	10.65g/5mL	10g/5mL	0.94
A310708-03	Soil	NWTPH-Dx	09/01/23 13:25	09/05/23 08:08	10.11g/5mL	10g/5mL	0.99

Percent Dry Weight**Prep: Total Solids (Dry Weight) - 2022**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 2310076</u>							
A310708-01	Soil	EPA 8000D	09/01/23 12:50	09/05/23 09:36			NA
A310708-02	Soil	EPA 8000D	09/01/23 12:55	09/05/23 09:36			NA
A310708-03	Soil	EPA 8000D	09/01/23 13:25	09/05/23 09:36			NA

Apex Laboratories

Jason Woodcock, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

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

PBS Engineering and Environmental

4412 S Corbett Ave
Portland, OR 97239

Project: Camas FC Church

Project Number: 24468.000

Project Manager: Nick Thornton

Report ID:

A310708 - 09 07 23 1118

QUALIFIER DEFINITIONS

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

Apex Laboratories

- F-11 The hydrocarbon pattern indicates possible weathered diesel, mineral oil, or a contribution from a related component.
- S-05 Surrogate recovery is estimated due to sample dilution required for high analyte concentration and/or matrix interference.

Apex Laboratories

Jason Woodcock, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

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

PBS Engineering and Environmental

4412 S Corbett Ave
Portland, OR 97239

Project: **Camas FC Church**

Project Number: **24468.000**

Project Manager: **Nick Thornton**

Report ID:

A310708 - 09 07 23 1118

REPORTING NOTES AND CONVENTIONS:

Abbreviations:

DET Analyte DETECTED at or above the detection or reporting limit.
ND Analyte NOT DETECTED at or above the detection or reporting limit.
NR Result Not Reported.
RPD Relative Percent Difference. RPDs for Matrix Spikes and Matrix Spike Duplicates are based on concentration, not recovery.

Detection Limits: Limit of Detection (LOD)

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

Reporting Limits: Limit of Quantitation (LOQ)

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

Reporting Conventions:

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

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

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

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

QC Source:

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

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

Miscellaneous Notes:

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

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

Blanks:

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

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Jason Woodcock, Project Manager



ANALYTICAL REPORT

Apex Laboratories, LLC

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

PBS Engineering and Environmental

4412 S Corbett Ave
Portland, OR 97239

Project: **Camas FC Church**

Project Number: **24468.000**

Project Manager: **Nick Thornton**

Report ID:

A310708 - 09 07 23 1118

REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks (Cont.):

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

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

Preparation Notes:

Mixed Matrix Samples:

Water Samples:

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

Soil and Sediment Samples:

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

Sampling and Preservation Notes:

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

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

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

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

Apex Laboratories

Jason Woodcock, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

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

PBS Engineering and Environmental

4412 S Corbett Ave
Portland, OR 97239

Project: **Camas FC Church**

Project Number: **24468.000**

Project Manager: **Nick Thornton**

Report ID:

A310708 - 09 07 23 1118

LABORATORY ACCREDITATION INFORMATION

ORELAP Certification ID: OR100062 (Primary Accreditation)

EPA ID: OR01039

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

Apex Laboratories

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation
--------	----------	--------	---------	--------	---------------

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

Secondary Accreditations

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

Subcontract Laboratory Accreditations

Subcontracted data falls outside of Apex Laboratories' Scope of Accreditation.

Please see the Subcontract Laboratory report for full details, or contact your Project Manager for more information.

Field Testing Parameters

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

Apex Laboratories

Jason Woodcock, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

PBS Engineering and Environmental

4412 S Corbett Ave

Portland, OR 97239

Project: **Camas FC Church**Project Number: **24468.000**Project Manager: **Nick Thornton****Report ID:****A310708 - 09 07 23 1118****APEX LABS COOLER RECEIPT FORM**Client: PBS Element WO#: A3 I 0708Project/Project #: Camas FC Church / 24468.000**Delivery Info:**Date/time received: 9/1/23 @ 15:22 By: RAMDelivered by: Apex ☒ Client ☒ ESS ☐ FedEx ☐ UPS ☐ Radio ☐ Morgan ☐ SDS ☐ Evergreen ☐ Other ☐**Cooler Inspection** Date/time inspected: 9/1/23 @ 15:22 By: RAMChain of Custody included? Yes ☒ No ☐Signed/dated by client? Yes ☒ No ☐

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	<u>0.7</u>						
Custody seals? (Y/N)	<u>N</u>						
Received on ice? (Y/N)	<u>Y</u>						
Temp. blanks? (Y/N)	<u>N</u>						
Ice type: (Gel/Real/Other)	<u>Real</u>						
Condition (In/Out):	<u>IN</u>						

Cooler out of temp? (Y/N) ☒ Possible reason why: _____Green dots applied to out of temperature samples? Yes ☒ No ☐Out of temperature samples form initiated? Yes ☒ No ☐**Sample Inspection:** Date/time inspected: 9/1/23 @ 15:24 By: RAMAll samples intact? Yes ☒ No ☐ Comments: _____Bottle labels/COCs agree? Yes ☒ No ☐ Comments: _____COC/container discrepancies form initiated? Yes ☐ No ☒Containers/volumes received appropriate for analysis? Yes ☒ No ☐ Comments: _____Do VOA vials have visible headspace? Yes ☐ No ☐ NA ☒

Comments: _____

Water samples: pH checked: Yes ☐ No ☒ NA ☒ pH appropriate? Yes ☐ No ☒ NA ☒

Comments: _____

Additional information:

Labeled by:

RAM

Witness:

JS

Cooler Inspected by:

RAM

Form Y-003 R-00

Apex Laboratories

Jason Woodcock, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

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

Thursday, March 14, 2024

Nick Thornton

PBS Engineering and Environmental

4412 S Corbett Ave

Portland, OR 97239

RE: A4C1235 - Camas FC Church - 24468.000

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

Enclosed are the results of analyses for work order A4C1235, which was received by the laboratory on 3/13/2024 at 11:55:00AM.

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

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

Cooler Receipt Information

Acceptable Receipt Temperature is less than, or equal to, 6 degC (not frozen), or received on ice the same day as sampling.

(See Cooler Receipt Form for details)

Default Cooler 2.0 degC

This Final Report is the official version of the data results for this sample submission, unless superseded by a subsequent, labeled amended report.

All other deliverables derived from this data, including Electronic Data Deliverables (EDDs), CLP-like forms, client requested summary sheets, and all other products are considered secondary to this report.



Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Jason Woodcock, Project Manager

**ANALYTICAL REPORT****Apex Laboratories, LLC****6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062****PBS Engineering and Environmental****4412 S Corbett Ave
Portland, OR 97239****Project: Camas FC Church****Project Number: 24468.000****Project Manager: Nick Thornton****Report ID:****A4C1235 - 03 14 24 1136****ANALYTICAL REPORT FOR SAMPLES****SAMPLE INFORMATION**

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Excavation Floor-10.5	A4C1235-01	Soil	03/13/24 10:10	03/13/24 11:55
Excavation Wall-N	A4C1235-02	Soil	03/13/24 10:15	03/13/24 11:55
Excavation Wall-E	A4C1235-03	Soil	03/13/24 10:30	03/13/24 11:55
Excavation Wall-S	A4C1235-04	Soil	03/13/24 10:25	03/13/24 11:55
Excavation Wall-W	A4C1235-05	Soil	03/13/24 10:20	03/13/24 11:55

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Jason Woodcock, Project Manager



ANALYTICAL REPORT

Apex Laboratories, LLC

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

PBS Engineering and Environmental
4412 S Corbett Ave
Portland, OR 97239

Project: **Camas FC Church**
Project Number: **24468.000**
Project Manager: **Nick Thornton**

Report ID:
A4C1235 - 03 14 24 1136

ANALYTICAL SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
Excavation Floor-10.5 (A4C1235-01)				Matrix: Soil		Batch: 24C0440		
Diesel	ND	---	22.2	mg/kg dry	1	03/13/24 22:02	NWTPH-Dx	
Oil	ND	---	44.3	mg/kg dry	1	03/13/24 22:02	NWTPH-Dx	
<i>Surrogate: o-Terphenyl (Surr)</i>		<i>Recovery:</i>	<i>71 %</i>	<i>Limits: 50-150 %</i>	<i>1</i>	<i>03/13/24 22:02</i>	<i>NWTPH-Dx</i>	
Excavation Wall-N (A4C1235-02)				Matrix: Soil		Batch: 24C0440		
Diesel	ND	---	22.2	mg/kg dry	1	03/13/24 22:23	NWTPH-Dx	
Oil	ND	---	44.4	mg/kg dry	1	03/13/24 22:23	NWTPH-Dx	
<i>Surrogate: o-Terphenyl (Surr)</i>		<i>Recovery:</i>	<i>67 %</i>	<i>Limits: 50-150 %</i>	<i>1</i>	<i>03/13/24 22:23</i>	<i>NWTPH-Dx</i>	
Excavation Wall-E (A4C1235-03)				Matrix: Soil		Batch: 24C0440		
Diesel	ND	---	23.5	mg/kg dry	1	03/13/24 22:43	NWTPH-Dx	
Oil	ND	---	47.0	mg/kg dry	1	03/13/24 22:43	NWTPH-Dx	
<i>Surrogate: o-Terphenyl (Surr)</i>		<i>Recovery:</i>	<i>76 %</i>	<i>Limits: 50-150 %</i>	<i>1</i>	<i>03/13/24 22:43</i>	<i>NWTPH-Dx</i>	
Excavation Wall-S (A4C1235-04)				Matrix: Soil		Batch: 24C0440		
Diesel	ND	---	22.7	mg/kg dry	1	03/13/24 23:04	NWTPH-Dx	
Oil	ND	---	45.5	mg/kg dry	1	03/13/24 23:04	NWTPH-Dx	
<i>Surrogate: o-Terphenyl (Surr)</i>		<i>Recovery:</i>	<i>76 %</i>	<i>Limits: 50-150 %</i>	<i>1</i>	<i>03/13/24 23:04</i>	<i>NWTPH-Dx</i>	
Excavation Wall-W (A4C1235-05)				Matrix: Soil		Batch: 24C0440		
Diesel	ND	---	23.4	mg/kg dry	1	03/13/24 23:24	NWTPH-Dx	
Oil	ND	---	46.8	mg/kg dry	1	03/13/24 23:24	NWTPH-Dx	
<i>Surrogate: o-Terphenyl (Surr)</i>		<i>Recovery:</i>	<i>72 %</i>	<i>Limits: 50-150 %</i>	<i>1</i>	<i>03/13/24 23:24</i>	<i>NWTPH-Dx</i>	

Apex Laboratories

Jason Woodcock, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323

ORELAP ID: OR100062

PBS Engineering and Environmental

4412 S Corbett Ave
Portland, OR 97239

Project: **Camas FC Church**

Project Number: **24468.000**

Project Manager: **Nick Thornton**

Report ID:

A4C1235 - 03 14 24 1136

ANALYTICAL SAMPLE RESULTS

Percent Dry Weight

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
Excavation Floor-10.5 (A4C1235-01)				Matrix: Soil		Batch: 24C0468		
% Solids	76.1	---	1.00	%	1	03/14/24 09:40	EPA 8000D	
Excavation Wall-N (A4C1235-02)				Matrix: Soil		Batch: 24C0468		
% Solids	76.4	---	1.00	%	1	03/14/24 09:40	EPA 8000D	
Excavation Wall-E (A4C1235-03)				Matrix: Soil		Batch: 24C0468		
% Solids	77.0	---	1.00	%	1	03/14/24 09:40	EPA 8000D	
Excavation Wall-S (A4C1235-04)				Matrix: Soil		Batch: 24C0468		
% Solids	76.5	---	1.00	%	1	03/14/24 09:40	EPA 8000D	
Excavation Wall-W (A4C1235-05)				Matrix: Soil		Batch: 24C0468		
% Solids	77.0	---	1.00	%	1	03/14/24 09:40	EPA 8000D	

Apex Laboratories

Jason Woodcock, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062PBS Engineering and Environmental
4412 S Corbett Ave
Portland, OR 97239Project: Camas FC Church
Project Number: **24468.000**
Project Manager: Nick Thornton**Report ID:**
A4C1235 - 03 14 24 1136

QUALITY CONTROL (QC) SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24C0440 - EPA 3546 (Fuels)						Soil						
Blank (24C0440-BLK1)		Prepared: 03/13/24 04:25 Analyzed: 03/13/24 21:21										
NWTPH-Dx												
Diesel	ND	---	20.0	mg/kg wet	1	---	---	---	---	---	---	
Oil	ND	---	40.0	mg/kg wet	1	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)		Recovery: 88 %		Limits: 50-150 %		Dilution: 1x						
LCS (24C0440-BS1)		Prepared: 03/13/24 04:25 Analyzed: 03/13/24 21:41										
NWTPH-Dx												
Diesel	111	---	20.0	mg/kg wet	1	125	---	88	38 - 132%	---	---	
Surr: o-Terphenyl (Surr)		Recovery: 90 %		Limits: 50-150 %		Dilution: 1x						
Duplicate (24C0440-DUP2)		Prepared: 03/13/24 15:58 Analyzed: 03/13/24 23:45										
QC Source Sample: Excavation Wall-W (A4C1235-05)												
NWTPH-Dx												
Diesel	ND	---	22.6	mg/kg dry	1	---	ND	---	---	---	30%	
Oil	ND	---	45.2	mg/kg dry	1	---	ND	---	---	---	30%	
Surr: o-Terphenyl (Surr)		Recovery: 74 %		Limits: 50-150 %		Dilution: 1x						

Apex Laboratories

Jason Woodcock, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323

ORELAP ID: OR100062

PBS Engineering and Environmental

4412 S Corbett Ave

Portland, OR 97239

Project: Camas FC Church

Project Number: **24468.000**

Project Manager: **Nick Thornton**

Report ID:

A4C1235 - 03 14 24 1136

QUALITY CONTROL (QC) SAMPLE RESULTS

Percent Dry Weight

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 24C0468 - Total Solids (Dry Weight) - 2022							Soil					

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

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Jason Woodcock, Project Manager

**ANALYTICAL REPORT****Apex Laboratories, LLC**6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323

ORELAP ID: OR100062

PBS Engineering and Environmental4412 S Corbett Ave
Portland, OR 97239Project: **Camas FC Church**Project Number: **24468.000**Project Manager: **Nick Thornton****Report ID:****A4C1235 - 03 14 24 1136****SAMPLE PREPARATION INFORMATION****Diesel and/or Oil Hydrocarbons by NWTPH-Dx****Prep: EPA 3546 (Fuels)**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 24C0440</u>							
A4C1235-01	Soil	NWTPH-Dx	03/13/24 10:10	03/13/24 15:58	11.85g/5mL	10g/5mL	0.84
A4C1235-02	Soil	NWTPH-Dx	03/13/24 10:15	03/13/24 15:58	11.8g/5mL	10g/5mL	0.85
A4C1235-03	Soil	NWTPH-Dx	03/13/24 10:30	03/13/24 15:58	11.05g/5mL	10g/5mL	0.91
A4C1235-04	Soil	NWTPH-Dx	03/13/24 10:25	03/13/24 15:58	11.5g/5mL	10g/5mL	0.87
A4C1235-05	Soil	NWTPH-Dx	03/13/24 10:20	03/13/24 15:58	11.1g/5mL	10g/5mL	0.90

Percent Dry Weight**Prep: Total Solids (Dry Weight) - 2022**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
<u>Batch: 24C0468</u>							
A4C1235-01	Soil	EPA 8000D	03/13/24 10:10	03/13/24 13:42			NA
A4C1235-02	Soil	EPA 8000D	03/13/24 10:15	03/13/24 13:42			NA
A4C1235-03	Soil	EPA 8000D	03/13/24 10:30	03/13/24 13:42			NA
A4C1235-04	Soil	EPA 8000D	03/13/24 10:25	03/13/24 13:42			NA
A4C1235-05	Soil	EPA 8000D	03/13/24 10:20	03/13/24 13:42			NA

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Jason Woodcock, Project Manager



ANALYTICAL REPORT

Apex Laboratories, LLC

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

PBS Engineering and Environmental

4412 S Corbett Ave
Portland, OR 97239

Project: Camas FC Church

Project Number: 24468.000

Project Manager: Nick Thornton

Report ID:

A4C1235 - 03 14 24 1136

QUALIFIER DEFINITIONS

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

There are No Qualifiers on Sample or QC Data for this report

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Jason Woodcock, Project Manager



ANALYTICAL REPORT

Apex Laboratories, LLC

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

PBS Engineering and Environmental

4412 S Corbett Ave
Portland, OR 97239

Project: **Camas FC Church**

Project Number: **24468.000**

Project Manager: **Nick Thornton**

Report ID:

A4C1235 - 03 14 24 1136

REPORTING NOTES AND CONVENTIONS:

Abbreviations:

DET Analyte DETECTED at or above the detection or reporting limit.
ND Analyte NOT DETECTED at or above the detection or reporting limit.
NR Result Not Reported.
RPD Relative Percent Difference. RPDs for Matrix Spikes and Matrix Spike Duplicates are based on concentration, not recovery.

Detection Limits: Limit of Detection (LOD)

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

Reporting Limits: Limit of Quantitation (LOQ)

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

Reporting Conventions:

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

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

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

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

QC Source:

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

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

Miscellaneous Notes:

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

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

Blanks:

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

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Jason Woodcock, Project Manager



ANALYTICAL REPORT

Apex Laboratories, LLC

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

PBS Engineering and Environmental

4412 S Corbett Ave
Portland, OR 97239

Project: **Camas FC Church**

Project Number: **24468.000**

Project Manager: **Nick Thornton**

Report ID:

A4C1235 - 03 14 24 1136

REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks (Cont.):

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

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

Preparation Notes:

Mixed Matrix Samples:

Water Samples:

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

Soil and Sediment Samples:

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

Sampling and Preservation Notes:

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

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

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

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

Benzofluoranthene Isomer Reporting:

Due to coelution on the analytical column, the Benzo(b)fluoranthene results represent the concentration of both Benzo(b)fluoranthene and Benzo(j) fluoranthene. Calibration is based on the response of Benzo(b)fluoranthene, and the results represent the combined Benzo(b+j)fluoranthene(s).

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Jason Woodcock, Project Manager



ANALYTICAL REPORT

Apex Laboratories, LLC

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

PBS Engineering and Environmental
4412 S Corbett Ave
Portland, OR 97239

Project: **Camas FC Church**
Project Number: **24468.000**
Project Manager: **Nick Thornton**

Report ID:
A4C1235 - 03 14 24 1136

LABORATORY ACCREDITATION INFORMATION

ORELAP Certification ID: OR100062 (Primary Accreditation)

EPA ID: OR01039

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

Apex Laboratories

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation
--------	----------	--------	---------	--------	---------------

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

Secondary Accreditations

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

Subcontract Laboratory Accreditations

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

Field Testing Parameters

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

Apex Laboratories

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.

Jason Woodcock, Project Manager



ANALYTICAL REPORT

Apex Laboratories, LLC

6700 S.W. Sandburg Street

Tigard, OR 97223

503-718-2323

ORELAP ID: OR100062

PBS Engineering and Environmental

4412 S Corbett Ave

Portland, OR 97239

Project: **Camas FC Church**Project Number: **24468.000**Project Manager: **Nick Thornton**

Report ID:

A4C1235 - 03 14 24 1136

APEX LABS COOLER RECEIPT FORMClient: PBS Element WO#: A4C1235Project/Project #: Camas FC Church / 24468-000**Delivery Info:**Date/time received: 3/13/24 @ 1155 By: lyDelivered by: Apex Client ☒ ESS ☐ FedEx ☐ UPS ☐ Radio ☐ Morgan ☐ SDS ☐ Evergreen ☐ Other ☐From USDA Regulated Origin? Yes ☐ No ☒**Cooler Inspection** Date/time inspected: 3/13/24 @ 1155 By: lyChain of Custody included? Yes ☒ No ☐Signed/dated by client? Yes ☒ No ☐Contains USDA Reg. Soils? Yes ☐ No ☒ Unsure (email RegSoils) ☐

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	<u>2.0</u>						
Custody seals? (Y/N)	<u>N</u>						
Received on ice? (Y/N)	<u>Y</u>						
Temp. blanks? (Y/N)	<u>Y</u>						
Ice type: (Gel/Real/Other)	<u>Real</u>						
Condition (In/Out):	<u>In</u>						

Cooler out of temp? (Y/N) Possible reason why: Yes ☒ No ☐Green dots applied to out of temperature samples? Yes ☒ No ☐Out of temperature samples form initiated? Yes ☒ No ☐**Sample Inspection:** Date/time inspected: 3/13/24 @ 13:25 By: JAMAll samples intact? Yes ☒ No ☐ Comments: Bottle labels/COCs agree? Yes ☒ No ☐ Comments: COC/container discrepancies form initiated? Yes ☐ No ☒Containers/volumes received appropriate for analysis? Yes ☒ No ☐ Comments: Do VOA vials have visible headspace? Yes ☐ No ☐ NA ☒Comments: Water samples: pH checked: Yes ☐ No ☐ NA ☒ pH appropriate? Yes ☐ No ☐ NA ☒ pH ID: Comments: Labeled by: JAMWitness: AW

Cooler Inspected by:

JAM

Form Y-003 R-02

Apex Laboratories

Jason Woodcock, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document(s) and updated by any subsequent written communications. This analytical report must be reproduced in its entirety.