UST Decommissioning and Risk-Based Closure Report

Milwaukie Public Works
6101 SE Johnson Creek Blvd, Portland, Oregon 97206
HydroCon Project Number: 2022-080
DEQ LUST #03-22-0783

Prepared for:
City of Milwaukie
10722 SE Main Street
Milwaukie, OR 97206

November 9, 2022

Prepared by:

HydroCon, LLC
300 W 15th Street, Suite 212 Vancouver, Washington 98660
Phone: (360) 703-6079
www.hydroconllc.net

HydroCon

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1.0 INTRODUCTION

This report details the decommissioning by removal of two underground storage tanks (USTs), one 2,000-gallon containing diesel and one 5,000-gallon containing gasoline, three dispensers, and subsequent compliance soil sampling activities completed September 27, 2022.

1.1 Description of Property

The "Site" is located at 6101 SE Johnson Creek Blvd in in Portland, Oregon (Figure 1). The City of Milwaukie Public Works Department operates and maintains the property as a maintenance yard. A fuel dispensing system consisting of two USTs, dispensers, product piping, and fueling canopy was located in the center of the maintenance yard. The fueling system location and layout is shown on Figure 2.

According to City officials, the Site was formerly a rock pit that has been subsequently backfilled with undocumented fill.

1.2 Scope of Work

HydroCon Environmental, LLC (HydroCon) was contracted by Peak Environmental, LLC (Peak) to complete UST decommissioning regulatory soil sampling and reporting requirements.

2.0 HEALTH AND SAFETY

2.1 Health and Safety Plan

HydroCon prepared a site-specific health and safety plan (HASP) to govern health and safety protocols used during this investigation. Work was performed using Occupational Safety and Health Administration (OSHA) Level D work attire consisting of hard hats, safety glasses, protective gloves, and protective boots.

2.2 Underground Utility Locates

Prior to the commencement of subsurface activities, public utility notification was requested through the Oregon One Call service.

3.0 SITE ACTIVITIES

This section provides a discussion of the fieldwork procedures used to decommission the USTs, fueling system components, and perform compliance soil sampling activities.

3.1 UST Decommissioning

On September 27, 2022, Jamie's Environmental (Jamie's) removed the remaining contents in each UST using a vacuum truck, cleaned the interiors of the USTs by triple rinsing with a power washer, and removed the rinse water from the USTs. Jamie's transported the residual fuels and rinse water to ORRCO in Portland, Oregon for recycling. Approximately 404 gallons of product and rinsate were removed from the USTs. Disposal receipts for the product and rinsate are included in Appendix A.

Following cleaning and inerting of the USTs, they were removed from the ground by Peak. Both USTs were single-wall "STIP 3" construction, and appeared to be in excellent condition with little or no visual corrosion observed. The USTs were removed from the Site, and recycled at Schnitzer Steel in Portland, Oregon. The UST disposal receipt is included in Appendix A.

Soil underlying both USTs did not exhibit any field indications of contamination, including visual and olfactory observations. Additionally, a photoionization detector was used to field screen the soil for presence of volatile organic vapors. No significant PID readings were observed in the soil. The former UST pits area were subsequently backfilled with clean fill. Photographic documentation of UST decommissioning and sampling are included in Appendix B.

3.2 Compliance Soil Sampling

A total of 11 compliance soil samples were collected by HydroCon field personnel from beneath the USTs, product lines and former dispensers for laboratory analysis. These included:

- Two soil samples (COM-NW-8.5 and COM-SW-8.5) collected at a depth of approximately 8.5 feet below ground surface (bgs) under the 2,000-gallon diesel UST.
- Two soil samples (COM-NE-11 and COM-SS-11) were collected at a depth of approximately 11 feet bgs under the 5,000-gallon gasoline UST.
- Two soil samples (COM-DP20-03 and COM-DP40-03) were collected at a depth of approximately 3 feet bgs under the diesel product line.
- Two soil samples (COM-GP20-03 and COM-GP40-03) were collected at a depth of approximately 3 feet bgs under the gasoline product line.
- One soil sample (COM-GD-03) was collected at a depth of approximately 3 feet bgs under the gasoline dispenser.
- Two soil samples (COM-DD1-03 and COM-DD2-03) were collected at a depth of approximately 3 feet bgs under the diesel dispensers.

The selected soil samples were collected directly from the excavator bucket or a clean hand auger and placed into labeled laboratory prepared jars and sealed with Teflon-lined lids. A new pair of disposable nitrile gloves was used to collect each sample. Soil samples were collected utilizing 5035A field preservation, a preservation method utilized to limit the loss of volatile organic compounds (VOCs), and immediately placed in an ice filled cooler along with chain-of-custody documentation for shipment to Apex Laboratories in Tigard, Oregon. Locations of compliance soil samples are shown on Figure 2. Laboratory reports and Chain of Custody Documentation are included in Appendix C.

3.3 Laboratory Analysis

Soil samples were submitted for laboratory analysis to Apex Laboratories, LLC in Tigard, Oregon. The soil samples were analyzed for one or all of the following:

- Total Gasoline-Range Petroleum Hydrocarbons (GRPH) by Northwest Method NWTPH-Gx;
- Total Diesel-Range (DRPH) and Oil-Range (ORPH) Petroleum Hydrocarbons by Northwest Method NWTPH-Dx;
- Full-List VOCs by EPA Method 8260D (COM-DP20-03 only);
- Polyaromatic Hydrocarbons (PAHs) by EPA Method 8270E SIM (COM-DP20-03 only);
- Polychlorinated Biphenyls (PCBs) by EPA Method 8082A (COM-DP20-03 only); and
- RCRA 8 Metals by EPA Method 6020B (COM-DP20-03 only).

A copy of the laboratory report and chain-of-custody documentation is included in Appendix C.

3.4 Site Restoration

After the confirmation samples were collected, the UST excavation was backfilled with clean crushed gravel fill at the bottom of the excavation, and the remainder of the excavation was backfilled with the stockpiled clean overburden soil.

3.5 Groundwater

No groundwater was encountered decommissioning of the USTs or associated fueling system to a total explored depth of 11 feet bgs.

4.0 CONCEPTUAL SITE MODEL

A Conceptual Site Model (CSM) was prepared for the site. The site is zoned Light Industrial. As a result, the following exposure pathways appear to be potentially complete for commercial and excavation worker receptors. The detected analytical results are compared to the DEQ Risk-Based Concentrations (RBCs) for these receptors for the following media and potentially complete exposure pathways:

Soil:

- Soil Ingestion, Dermal Contact, and Inhalation (RBC_{ss}) (excavation worker only);
- Volatilization to Outdoor Air (RBC_{so}); and
- Vapor Intrusion into Buildings (RBC_{si}).

RBC_{ss} for occupational receptors was not included in this CSM. The Site is entirely capped with an asphalt parking lot; therefore, the pathway is incomplete. However, RBC_{ss} for excavation workers is

included based on the potential for future utility trenching or excavation on-site.

No groundwater or indications of groundwater were observed during the UST decommissioning activities. Additionally, the Site and surrounding properties are connected to the municipal water system, and no nearby wells were found through a search of the Oregon Water Resources Department (OWRD) Well Log Query (https://apps.wrd.state.or.us/apps/gw/well_log/, accessed on October 26, 2022). As a result, the DEQ RBC for Leaching to Groundwater was considered incomplete and was excluded from this CSM.

The DEQ RBCs for the applicable exposure pathways are summarized on Table 1.

5.0 SOIL ANALYTICAL RESULTS

The soil analytical results are reported in milligrams per kilogram (mg/kg) or parts per million. The laboratory reports and chain-of-custody documentation are included in Appendix C. Results are summarized below and shown on Table 1 and Figure 2.

The detected analytical results are compared to the DEQ RBCs for current potential receptors (residential and excavation worker), which were summarized in Section 4.0.

5.1 UST Decommissioning Compliance Soil Sample Results

DRPH was detected at concentrations above laboratory method reporting limits (MRLs) in soil samples COM-SW-8.5, COM-DP40-03 and COM-DD1-03, and ORPH was detected in soil samples COM-NW-8.5, COM-DP20-03 and COM-DP-40-03. All detected concentrations of ORPH and DRPH were well below applicable RBCs.

Soil sample COM-DP20-03 was also further analyzed for VOCs, PCBs, PAHs and RCRA 8 metals, based on containing detectable concentrations of DRPH, and the highest concentration of ORPH. No VOCs or PCBs were detected above their respective MRLs. Multiple PAHs were detected but at concentrations above the MRLs, but far below applicable RBCs.

Multiple RCRA 8 metals were detected, however the detected concentrations were below applicabale RBCs, and also below regional background levels in soil for the Portland Basin[1].

6.0 SUMMARY AND CONCLUSIONS

On September 27, 2022, Peak Environmental decommissioned one 2,000-gallon diesel UST and one 5,000-gallon gasoline UST at the City of Milwaukie Maintenance Yard. A total of 11 compliance soil samples were collected from beneath the USTs, product lines and former dispensers. During decommissioning activities, no obvious petroleum contamination was detected through field screening.

The samples were analyzed for NWTPH-Gx, NWTPH-Dx, VOCs, PAHs and RCRA 8 metals. Sample

[1] Background Levels of Metals in Soils for Cleanups (Fact Sheet), Oregon DEQ, dated January 25, 2018

analysis identified the presence of diesel, oil, multiple PAHs, and multiple RCRA 8 metals, but all detected concentrations were far below applicable RBCs. The source of the oil contamination is unknown, but according to City of Milwaukie staff, the Site was formerly a rock pit that was backfilled with undocumented fill.

Based on the results of a risk-based site assessment, current site conditions are protective of the environment and human health for the current occupational receptors, and no further remedial actions are required at this time. HydroCon recommends submittal of this report to DEQ with request for regulatory closure of the LUST file.

7.0 QUALIFICATIONS

HydroCon's services were performed in a manner consistent with generally accepted practices of the profession undertaken in similar studies in the same geographical area during the same time period. HydroCon makes no warranties, either expressed or implied, regarding the findings, conclusions or recommendations. Please note that HydroCon does not warrant the work of laboratories, regulatory agencies, or other third parties supplying information used in the preparation of the report.

Findings and conclusions resulting from these services are based upon information derived from the on-site activities and other services performed under this scope of work; such information is subject to change over time. Certain indicators of the presence of hazardous substances, petroleum products, or other constituents may have been latent, inaccessible, unobservable, nondetectable or not present during these services, and we cannot represent that the site contains no hazardous substances, toxic materials, petroleum products, or other latent conditions beyond those identified during this monitoring. Subsurface conditions may vary from those encountered at specific sampling locations or during other surveys, tests, assessments, investigations, or exploratory services; the data, interpretations and findings are based solely upon data obtained at the time and within the scope of these services.

This report is intended for the sole use of **City of Milwaukie.** This report may not be used or relied upon by any other party without the written consent of HydroCon. The scope of services performed in execution of this evaluation may not be appropriate to satisfy the needs of other users, and use or re-use of this document or the findings, conclusions, or recommendations is at the risk of said user.

The conclusions presented in this report are, in part, based upon subsurface sampling performed at selected locations and depths. There may be conditions between borings or samples that differ significantly from those presented in this report and which cannot be predicted by this study.

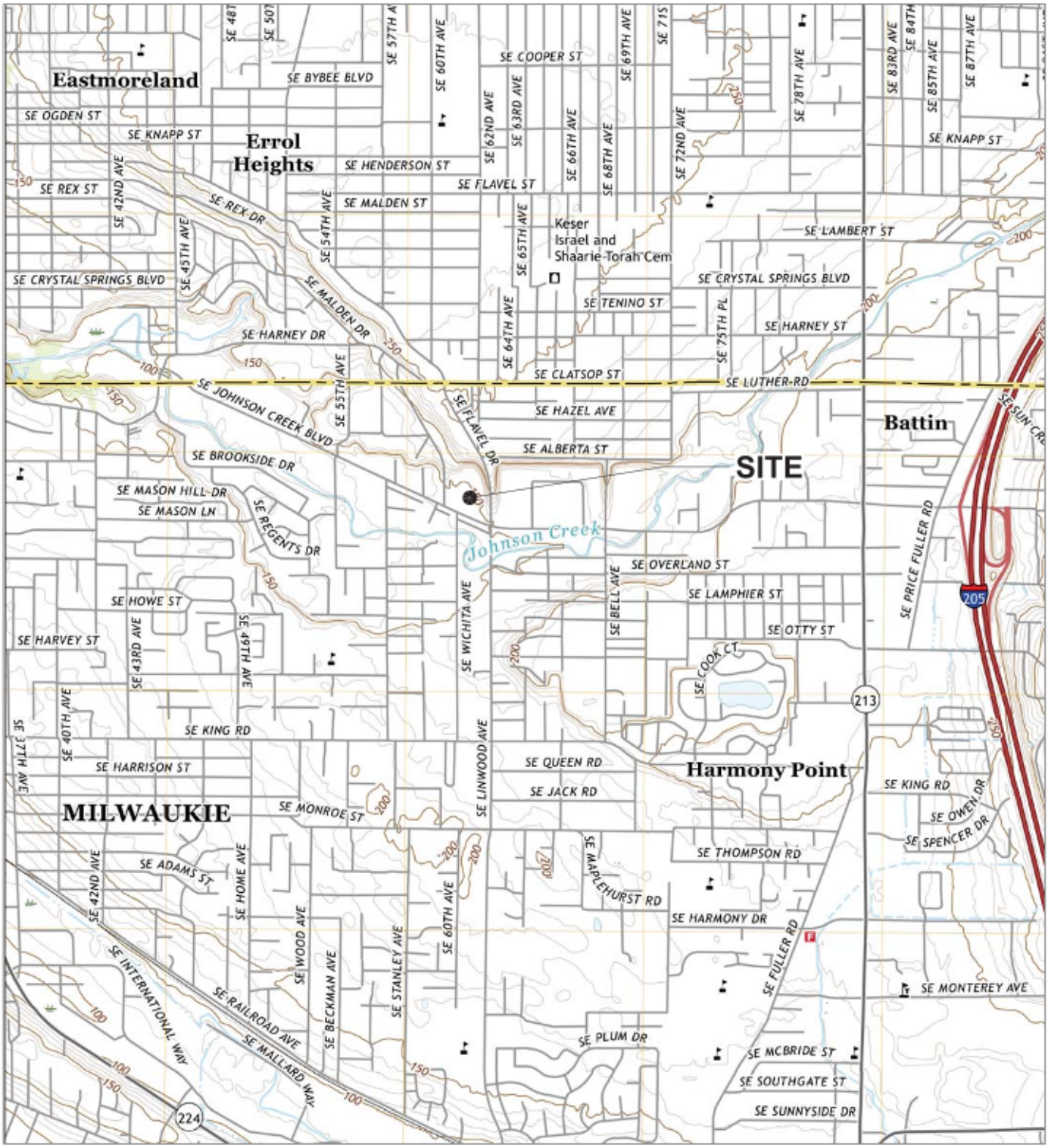
Signature:

Report Prepared By:

David Borys
President

Report Reviewed By:

Chris Daschel, RG
Project Geologist



NOTE(S):
GLADSTONE QUADRANGLE,
OREGON
7.5 MINUTE SERIES (TOPOGRAPHIC)

0 2000 4000
SCALE IN FEET
1" = 2000'

N
W E
S

HydroCon
314 W 15th Street, Suite 300, Vancouver, Washington 98660
Phone 360.703.6079 Fax 360.703.6086

DATE: 9-29-2022
DWN: LC
CHK: DB
APPROVED: DB
PRJ. MGR: DB
PROJECT NO: 2022-080

FIGURE 1
SITE LOCATION MAP
UNDERGROUND STORAGE TANK DECOMIMISSIONING
CITY OF MILWAIKIE SHOPS
6101 SE JOHNSON CREEK BLVD
MILWAUKIE, OREGON

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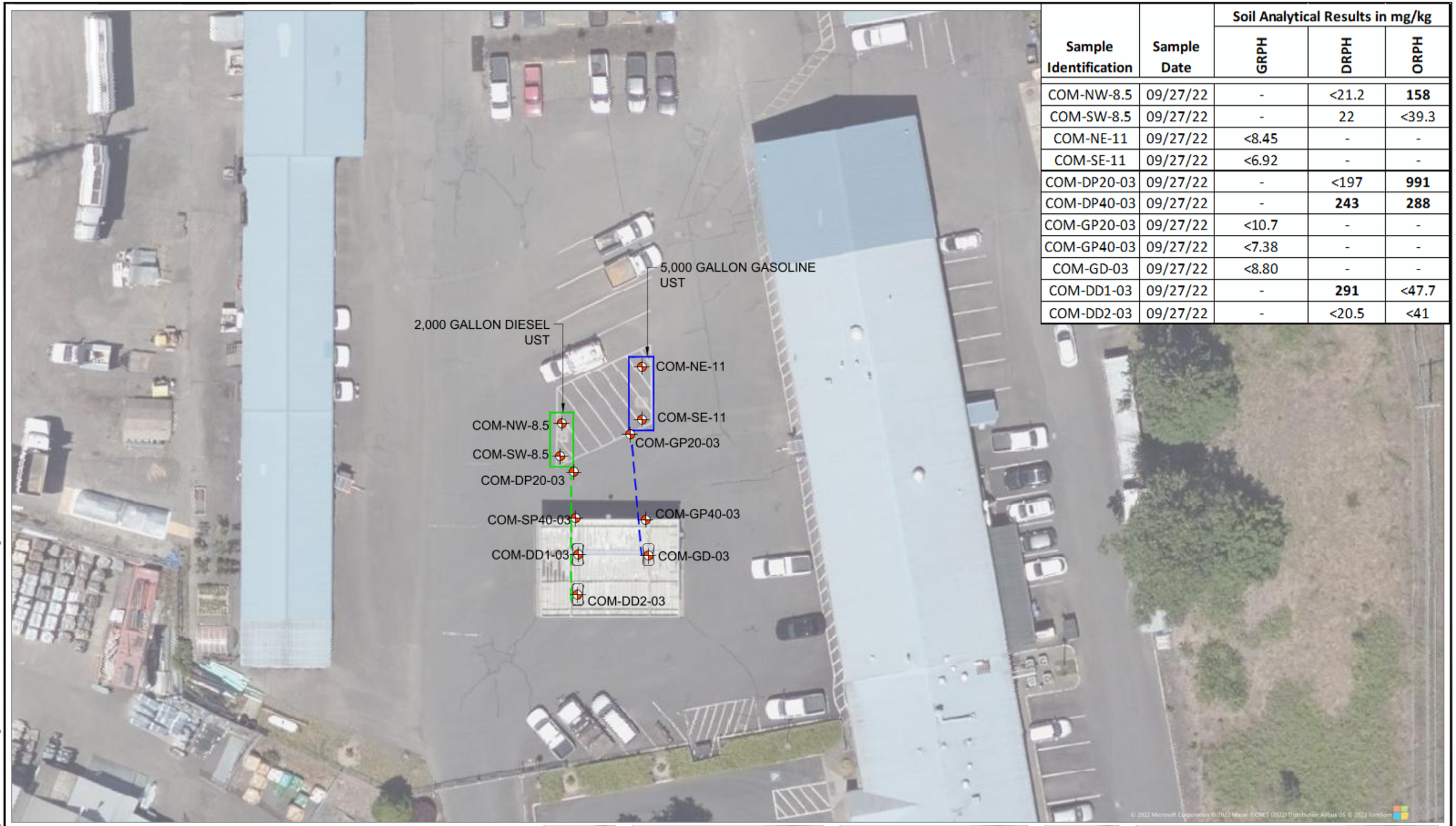
Sample Identification	Sample Date	Soil Analytical Results in mg/kg		
		GRPH	DRPH	ORPH
COM-NW-8.5	09/27/22	-	<21.2	**158**
COM-SW-8.5	09/27/22	-	22	<39.3
COM-NE-11	09/27/22	<8.45	-	-
COM-SE-11	09/27/22	<6.92	-	-
COM-DP20-03	09/27/22	-	<197	**991**
COM-DP40-03	09/27/22	-	**243**	**288**
COM-GP20-03	09/27/22	<10.7	-	-
COM-GP40-03	09/27/22	<7.38	-	-
COM-GD-03	09/27/22	<8.80	-	-
COM-DD1-03	09/27/22	-	**291**	<47.7
COM-DD2-03	09/27/22	-	<20.5	<41



Legend

- Buried Diesel Piping
- Buried Gasoline Piping
- Dispenser Island
- COM-DP40-03 — Soil Sample Location

N / W / E / S

0 30 60

SCALE IN FEET
1" = 30'

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FIGURE 2
SOIL SAMPLING
UNDERGROUND STORAGE TANK DECOMMISSIONING
CITY OF MILWAIKIE SHOPS
6101 SE JOHNSON CREEK BLVD
MILWAUKIE, OREGON

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Table 1

Summary of UST Decommissioning Analytical Results

City of Milwaukie Maintenance Yard Facility

6101 SE Johnson Creek Blvd, Milwaukie, Oregon

Sample Identification	Sample Depth (feet bgs)	Sample Date	Soil Analytical Results in mg/kg																					
			GRPH	DRPH	ORPH	RBDM VOCs	Acenaphthene	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(g,h,i)perylene	Chrysene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	Phenanthrene	Pyrene	Remaining PAHs	Arsenic	Barium	Cadmium	Chromium	Lead	Remaining RCRA 8 Metals	PCBs
COM-NW-8.5	8.5	09/27/22	-	<21.2	**158**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COM-SW-8.5	8.5	09/27/22	-	22	<39.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COM-NE-11	11.0	09/27/22	<8.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COM-SE-11	11.0	09/27/22	<6.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COM-DP20-03	3.0	09/27/22	-	<197	**991**	<0.0785	**0.326**	**0.261**	**0.289**	**0.315**	**0.42**	**0.234**	**0.507**	**0.231**	**0.273**	**0.25**	**0.509**	<0.200	**1.71**	**83.9**	**0.273**	**11.5**	**23.9**	<1.01	<0.0103
COM-DP40-03	3.0	09/27/22	-	**243**	**288**	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COM-GP20-03	3.0	09/27/22	<10.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COM-GP40-03	3.0	09/27/22	<7.38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COM-GD-03	3.0	09/27/22	<8.80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COM-DD1-03	3.0	09/27/22	-	**291**	<47.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
COM-DD2-03	3.0	09/27/22	-	<20.5	<41	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Soil Ingestion, Dermal Contact, and Inhalation (RBC_{ss})																									
Occupational Worker			20,000	14,000	36,000	37	70,000	21	2	21	-	2,100	30,000	47000	21	-	23000	-	1.9	220000	1100	>Max	800	-	0.59
Construction Worker			9,700	4,600	11,000	380	21,000	170	17	170	-	17,000	10,000	14000	170	-	7500	-	15	69000	360	530000	800	-	4.9
Excavation Worker			>Max	>Max	>Max	11,000	590,000	4,800	490	4,900	-	490,000	280,000	390000	4,900	-	210,000	-	420	-	9700	>Max	800	-	140
Volatilization to Outdoor Air (RBC_{so})																									
Occupational			69,000	>Max	>Max	50	>Mav	>Csat	NV	NV	-	NV	NV	>Mav	NV	-	>Mav	-	NV	NV	NV	NV	NV	NV	>Csat
Vapor Intrusion into Buildings (RBC_{si})																									
Occupational			>Max	>Max	>Max	2.1	>Mav	>Csat	NV	NV	-	NV	NV	>Mav	NV	-	>Mav	-	NV	NV	NV	NV	NV	NV	>Csat

NOTES:

Chemical analyses performed by APEX Labs of Tigard, Oregon.

Gasoline-Range Total Petroleum Hydrocarbons (GRPH) analyzed by Northwest Method NWTPH-Gx.

Diesel-Range Total Petroleum Hydrocarbons (DRPH) analyzed by Northwest Method NWTPH-Dx.

Oil-Range Total Petroleum Hydrocarbons (ORPH) analyzed by Northwest Method NWTPH-Dx.

RBDM Compunds analyzed by EPA Method 8260CD

[1]Oregon Department of Environmental Quality (DEQ). Risk-Based Decision Making for the Remediation of Petroleum-Contaminated Sites.

µg/L = micrograms per liter (parts per billion)

Bold indicates analyte detection exceeds one or more RBC.

"<100" indicates the analyte was not detected above the laboratory reporting limit.

>S = this groundwater RBC exceeds the solubility limit.

* - Sample flagged as results for diesel range is due to overlap from gasoline range product.

APPENDIX A

DISPOSAL RECEIPTS

SCHNITZER STEEL PRODUCTS - PORTLAND 12005 North Burgard Portland, OR 97203 (503)286-5771

PEAK ENVIRONMENTAL LLC
Vendor # PEAK10

Date: 10/04/22
Check No: 2111808475

SEE ATTACHED FOR DETAIL

dep. 10/13/22

THE SECURITY FEATURES ON THIS CHECK INCLUDE A BLUE VOID PANTO PRINTED ON WATERMARKED PAPER, A MICROPRINTED BORDER AND THERMOCHROMATIC INK.

Schnitzer

SCHNITZER STEEL PRODUCTS - PORTLAND
12005 North Burgard
Portland, OR 97203
(503)286-5771

BANK OF AMERICA
64-1278/611 GA

No. 2111808475

DATE
10/04/22

PAY EXACTLY Six Hundred Seventy Nine and 64/100 Dollars

$********679.64

PAY TO THE ORDER OF

PEAK ENVIRONMENTAL LLC
7202 NE HWY 99
STE 106 #182
VANCOUVER, WA 98665

Authorized Signature
Void After 180 Days

Rub here to verify authenticity

⑈2111808475⑈ ⑆061112788⑆335987976 7⑈

2022-010

WST - Portland-OR
SETTLEMENT SUMMARY

DATE: 10/04/22
BANK: LB - BofA-Portland-OR
Supplier#: PEAK10

FOR: PEAK ENVIRONMENTAL LLC
1010 NW SULMAN RD
VANCOUVER WA 98665

PEAK ENVIRONMENTAL LLC
VANCOUVER WA

LOAD DATE	CONTRACT # / SHIPMNT # / TICKET # / INVOICE # / VEHICLE NO./ TRIP#	LN	MATERIAL CODE	DESCRIPTION / YD / INITIAL CHECK / SETTLE CHECK / B/L# /SHIPPER S.O.	----WEIGHTS (IN LB)-----				OUR PRICE UM / YOUR PRICE UM / YOUR INVCE AMT	ADJ. AMOUNT / INITIAL FRT / DEAD FRT / EXCESS FRT / FRT GST/HST	TOTAL AMT / INITIAL PAY / FRT ADJ / OTHER ADJ / CHK AMT
09/28/22			#1 & #2 HMS UNPREPARED	RECV G	37020	SHIP G	37020	200.0000 NT	.00	692.00
	TZVBRM		111-100 F	T	30100	T	30100	200.0000 NT	.00	
	TZVBRM		808475	N	6920	N	6920	692.00		
	TZVBRM01							.00		
				SETTLE WGT	6920				.00	
	TK TZVBRM									692.00
09/28/22			FACILITY FEE - FER	RECV G	30100	SHIP G	30100	-12.3600 *	.00	-12.36
	TZVBRM		FACFER M	T	30100	T	30100	-12.3600 *	.00	
	TZVBRM		808475					-12.36		
	TZVBRM00							.00		
									.00	
	TK TZVBRM									-12.36
							6920	TOTAL FOR INVOICE	:	679.64

WEIGHT 6920

CHECK LB808475 TOTALS = 679.64

* SETTLEMENT = initial payment less freight adj & adj. amount
* FREIGHT ADJ = dead & excess freight based on guaranteed minimum weight
* ADJ. AMOUNT = difference between our weights and your weights at contracted price
* OTHER MISC = tolerance/second adjustments after final settlement was made

221298

Orrco™
The oil recycler.

Head Office
4150 N. Suttle Rd.
Portland, OR 97217
1-800-367-8894

RECEIVING RECORD

R **01-22-0927-003**

Received From:
Jammies Environmental
128 Industrial Way
Longview WA 98632
EPA# WAH000022628
Phone: 360-577-5691
Customer ID# ***9586***
Driver:

Receiving Location: Plant # **1**
FPI
4150 N. Suttle Road
Portland, OR 97217

Phone 503-286-8352
EPA# ORD980975692

Date	Terms	Written By	Sales Rep.	Page
09/27/22	-0-	Salomon	84	***1*** of ***1***

Line	Qty.	Unit	Item	%H20	Manifest #	B/L#	Net Qty
1	*1*	*Each*	*Truck Wash Out* Generator ID# 9586 Jammies Environmental			*221298*	
2	*1*	*Each*	*XRF Analysis Testing* Generator ID# 9586 Jammies Environmental			*221298*	
			Total Each 2.				
3	*404*	*Gal.*	*Emulsified Fuel* Generator ID# 9586 Jammies Environmental profile attached, City of Milwaukie. (JOB#221298)	*40 %*		*221298*	
			Total Gal. 404.				

Customer warrents that the waste petroleum products being received do not contain any contaminants including, without limitation, pesticides, chlorinated solvents at total concentrations greater than 1000 PPM, PCB's greater than 2 PPM, or any other material classified as hazardous waste by 40 CFR part 261, Subparts C and D (implementing the Federal Resource Conservation and Recovery Act) or by any other state or local hazardous waste classification program. Should Laboratory tests find this product not in compliance with 40 CFR part 261 customer agrees to pay all disposal costs incurred.

Signed X _____ DATE: 09/27/22

CONTAINS HAZARDOUS MATERIALS

THIS SHIPPING ORDER

must be legibly filled in, in Ink, in Indelible Pencil, or in Carbon, and retained by the Agent

Shipper's No. Job # 221298

Carrier Jammie's Environmental SCAC _____ Carrier's No. 221298

RECEIVED, subject to individually determined rates or contracts that have been agreed upon in writing between the carrier and shipper, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request; and all applicable state and federal regulations;

at _____, date _____ from _____

the Property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below which said company (the word company being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to delivery at said destination, if on its route, or otherwise to deliver to another carrier on the route to said destination. It is mutually agreed as to each carrier of all or any of said Property over all or any portion of said route to destination and as to each party at any time interested in all or any of said Property that every service to be performed hereunder shall be subject to all the conditions not prohibited by law, whether printed or written, herein contained, including the conditions on the back hereof, which are hereby agreed to by the shipper and accepted for himself and his assigns.

TO:
Consignee: Oil Re-refining Co. (ORRCO)
Street: 4150 N. Suttle Rd.
Destination: Portland, OR Zip 97217

FROM:
Shipper: City of Milwaukie
Street: 6701 SE Johnson Creek Blvd.
Origin: Milwaukie, OR Zip 97222

Route

Delivering Carrier: Jammie's Environmental Vehicle Number: U.S. DOT Hazmat Reg. Number: 016152155047IDF

Number and Type of Packages	HM	I.D. Number	Description of Articles	Hazard Class	Pkg. Grp.	Total Quantity (mass, volume, or activity)	Weight (subject to correction)	Class or Rate
1 TT	X	UN1268	Petroleum products, n.o.s. (Gasoline, diesel) water	3	III	404 gal.		

Remit COD to:
Address:
City: State: Zip:

NOTE: Where the rate is dependent on value, shippers are required to state specifically in writing the agreed or declared value of the property. The agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding $ Per

Subject to Section 7 of conditions, if this shipment is to be delivered to the consignee without recourse on the consignor, the consignor shall sign the following statement: The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges.

(Signature of Consignor)

COD AMT: $

TOTAL CHARGES: $

COD FEE: Prepaid ☑ Collect ☐ $

FREIGHT CHARGES: ☒ Prepaid ☐ Collect

NOTE: Liability Limitation for loss or damage in this shipment may be applicable. See 49 U.S.C. 14706(c)(1)(A) and (B).

This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation. Per

PLACARDS REQUIRED: Class 3 Flammable

PLACARDS SUPPLIED ☐ BY SHIPPER ☑ BY CARRIER

DRIVER'S SIGNATURE:

SHIPPER: City of Milwaukie (Peak Env) PER: _____ DATE: _____

CARRIER: Jammie's Environmental PER: _____ DATE: _____

EMERGENCY RESPONSE TELEPHONE NUMBER: NRC: (800) 883-4672

NAME OR CONTRACT NUMBER OR OTHER UNIQUE IDENTIFIER: UST Wash Water

956 (Rev. 3/17)

CONTAINS HAZARDOUS MATERIALS

Agent must detach and retain this Shipping Order and must sign the Original Bill of Lading.

CONTAINS HAZARDOUS MATERIALS

JAMMIE'S ENVIRONMENTAL, INC.
DAILY WORK ORDER

TIME IN: SEP27 5:36PM

TIME OUT: 9.27.22 2008

Customer: Peak Environmental	**Contact:** Garrett	**Date:** 9-27-22
Address: @ City of Milwaukie	**Phone:**	**Job #:** 221298
City:	**State:**	**PO #:**

EMPLOYEE NAME	C	Shop	Job Start	Job Stop	Shop	Lunch	Total	DISPOSAL INFORMATION FACILITY	GALLON
Burt	O	5:30	700	10:20	2:00		8.5		

C=Personnel Codes: F=Foreman, O=Operator, C/S=Confined Space Tech, T=Tech, TR=Training

WASHOUT YES NO

ROLLING STOCK	EQ #
AIR MOVER-Gap/Guzzler	
500 GAL VACUUM TRAILER	
80 BBL 3,000 GAL	9
120 BBL 5,000 GAL	
SUPPORT TRUCK	
DUMP TRUCK	
DUMP TRUCK & PUP	
JET ROD TRUCK/TRAILER	
UTILITY/DUMP/ TRAILER	
PRESSURE WASHER	
HYDRAULIC POWER PAK	
AIR COMPRESSOR	
ROLL OFF-1 BOX	
ROLL OFF-2 BOX	

EQUIPMENT	EQ #
TRASH or DIAPHRAGM PUMP	
SLUDGE or TRANSFER PUMP	
DRUM LOADER	
AIR PICK	
LINE or BOILER CAMERA	
WATER BLAST GEAR	**EQ #**
NOZZLES - 2D/3D/GAMMA	
BED BUSTER	
CONCRETE DEMO ROBOT	
COATING REMOVAL ROBOT	
SLUDGE REMOVAL ROBOT	
SAFETY ITEMS	**QTY**
CSR RESCUE TRAILER	
AIR MONITOR	
SCBA/SUPPLIED AIR EQ	
AIR BOTTLES	
TRIPOD/WINCH	

HOSE/PIPE/FITTING	SIZE	QTY
PETROLEUM ~ CHEM	2"	50'
GREEN CAMLOCK		
FLEX HOSE 4" or 6"		
KANNA FLEX		
HARD PIPE		
AIR HOSE		
LAYFLAT or RED RUBBER		
DUCT TAPE ROLL	1	
CLEANING AGENTS	**GAL**	
CAUSTIC SOAP		
BIG ORANGE		
PH MINUS/ACID		
PH PLUS/CAUSTIC		
SCRAM/YELLOW		
CROWN or BLEACH		

PPE	QTY
LEVEL D	1
LEVEL C	
LEVEL B	
FRC'S	
GREEN/CHEM	
TYVEK	

ENVIRONMENTAL	QTY
55 GAL DRUMS	
DRUM LINERS	
ABSORBENT PADS EA.	
ABSORBENT BOOM	
VISQUEEN	
FLOOR DRY/GRANULAR	
T-RAGS	

LINER TYPE	QT	BOX #'s
6 MIL		
DW FELT		
DW SCREEN		
VB LINER		

EQUIPMENT NOT LISTED or RENTAL EQUIPMENT:

ROLLING STOCK	EQ #
8K,10K or 20K BLASTER @ 300hp	
8K,10K or 20K BLASTER @ 400hp	
40K BLASTER @ 300 HP	
40K BLASTER @ 400 HP	
HOT WATER TRUCK 8k @ 400 HP	
8K @ 600 HP	

DETAILED JOB DESCRIPTION:

5:30-700 load & mob

700 - 10:20 - triple Rinse 2 tanks

10:20 - 11:00 mob to ORRCO to offload

11:00 - 12:30 offload, wash out

12:30 - 200 mob to JEI

PREVAILING WAGE	~~YES~~	NO
IS JOB COMPLETE	YES	NO
OWED PERDIEM	YES	~~NO~~

WORK ORDER PREPARED BY: BH

CUSTOMER SIGNATURE:

128 INDUSTRIAL WAY • LONGVIEW, WA 98632 • OFFICE: (360) 577-5691 OR 1-800-577-5691 • FAX: (360) 577-0926

APPENDIX B

PHOTOGRAPHIC DOCUMENTATION

UST Decommissioning
City of Milwaukie Maintenance Yard ■ Milwaukie, OR
Project No. 2022-080 ■ Photo Date: September 27, 2022

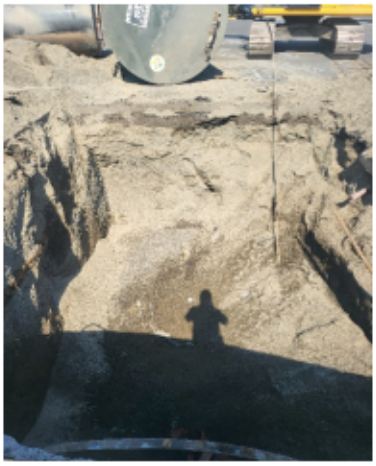

Photo #1 UST pit: 2,000-gallon diesel UST

Photo #2 UST pit: 5,000-gallon gasoline UST pit

Photo #3 5,000-gallon gasoline UST. No visual corrosion

Photo #4 2,000-gallon diesel UST. Minimal rust on bottom of UST. No holes observed

Photo #5 Former dispenser area

Photo #6 Clean sump under former dispenser location

APPENDIX C

LABORATORY REPORT AND CHAIN-OF-CUSTODY DOCUMENTATION

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

ANALYTICAL REPORT

AMENDED REPORT

Wednesday, October 19, 2022

Dave Borys
HydroCon LLC
314 W 15th Street Suite 300
Vancouver, WA 98660

RE: A2I0878 - Peak City of Milwaukie - 2022-080

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 A2I0878, which was received by the laboratory on 9/28/2022 at 12:44:00PM.

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

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

Cooler Receipt Information

(See Cooler Receipt Form for details)

Cooler #1	4.1 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

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Michele Poquiz, Forensics Project Manager

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

ANALYTICAL REPORT

AMENDED REPORT

HydroCon LLC	Project: **Peak City of Milwaukie**	
314 W 15th Street Suite 300	Project Number: **2022-080**	**Report ID:**
Vancouver, WA 98660	Project Manager: **Dave Borys**	**A2I0878 - 10 19 22 1243**

ANALYTICAL REPORT FOR SAMPLES

SAMPLE INFORMATION

Client Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
COM-NW-8.5	A2I0878-01	Soil	09/27/22 13:20	09/28/22 12:44
COM-SW-8.5	A2I0878-02	Soil	09/27/22 13:30	09/28/22 12:44
COM-NE-11	A2I0878-03	Soil	09/27/22 13:40	09/28/22 12:44
COM-SE-11	A2I0878-04	Soil	09/27/22 13:45	09/28/22 12:44
COM-DP20-03	A2I0878-05	Soil	09/27/22 13:55	09/28/22 12:44
COM-DP40-03	A2I0878-06	Soil	09/27/22 14:05	09/28/22 12:44
COM-GP20-03	A2I0878-07	Soil	09/27/22 14:10	09/28/22 12:44
COM-GP40-03	A2I0878-08	Soil	09/27/22 14:15	09/28/22 12:44
COM-GD-03	A2I0878-09	Soil	09/27/22 14:20	09/28/22 12:44
COM-DD1-03	A2I0878-10	Soil	09/27/22 14:25	09/28/22 12:44
COM-DD2-03	A2I0878-11	Soil	09/27/22 14:30	09/28/22 12:44

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Michele Poquiz, Forensics Project Manager

Apex Laboratories, LLC
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503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

AMENDED REPORT

HydroCon LLC	Project: Peak City of Milwaukie	
314 W 15th Street Suite 300	Project Number: 2022-080	Report ID:
Vancouver, WA 98660	Project Manager: Dave Borys	A2I0878 - 10 19 22 1243

ANALYTICAL CASE NARRATIVE

Work Order: A2I0878

Amended Report Revision 1

This report supersedes all previous reports.

The Final Report has been amended to include 8260 RBDM VOCs, PAHs, PCBs, and RCRA 8 Metals results for sample COM-DP20-03 (Apex Lab WO A2I0878-05).

Cameron O'Brien
Project Manager
10/11/22

NWTPH-Dx with Silica Gel Column Cleanup Note

Upon further quality assurance review, the results of the NWTPH-Dx analysis after silica gel column cleanup should not be relied upon. These results have been removed from the report.

Michele Poquiz
Forensics Project Manager
10/14/22

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

ANALYTICAL REPORT

AMENDED REPORT

HydroCon LLC	Project: **Peak City of Milwaukie**	
314 W 15th Street Suite 300	Project Number: **2022-080**	**Report ID:**
Vancouver, WA 98660	Project Manager: **Dave Borys**	**A2I0878 - 10 19 22 1243**

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
COM-NW-8.5 (A2I0878-01RE2)				**Matrix: Soil**		**Batch: 22I0953**		
Diesel	ND	---	21.2	mg/kg dry	1	09/29/22 12:59	NWTPH-Dx	
Oil	**158**	---	42.4	mg/kg dry	1	09/29/22 12:59	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 90 %*		*Limits: 50-150 %*	*1*	*09/29/22 12:59*	*NWTPH-Dx*	
COM-SW-8.5 (A2I0878-02RE1)				**Matrix: Soil**		**Batch: 22I0953**		
Diesel	**21.9**	---	19.6	mg/kg dry	1	09/29/22 11:00	NWTPH-Dx	**F-11**
Oil	ND	---	39.3	mg/kg dry	1	09/29/22 11:00	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 82 %*		*Limits: 50-150 %*	*1*	*09/29/22 11:00*	*NWTPH-Dx*	
COM-DP20-03 (A2I0878-05RE1)				**Matrix: Soil**		**Batch: 22I0953**		
Diesel	ND	---	197	mg/kg dry	10	09/29/22 12:35	NWTPH-Dx	
Oil	**991**	---	393	mg/kg dry	10	09/29/22 12:35	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 78 %*		*Limits: 50-150 %*	*10*	*09/29/22 12:35*	*NWTPH-Dx*	*S-05*
COM-DP40-03 (A2I0878-06RE1)				**Matrix: Soil**		**Batch: 22I0953**		
Diesel	**243**	---	101	mg/kg dry	5	09/29/22 12:11	NWTPH-Dx	
Oil	**288**	---	201	mg/kg dry	5	09/29/22 12:11	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 85 %*		*Limits: 50-150 %*	*5*	*09/29/22 12:11*	*NWTPH-Dx*	*S-05*
COM-DD1-03 (A2I0878-10)				**Matrix: Soil**		**Batch: 22I0953**		
Diesel	**291**	---	23.9	mg/kg dry	1	09/29/22 03:14	NWTPH-Dx	**F-11**
Oil	ND	---	47.7	mg/kg dry	1	09/29/22 03:14	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 61 %*		*Limits: 50-150 %*	*1*	*09/29/22 03:14*	*NWTPH-Dx*	
COM-DD2-03 (A2I0878-11RE1)				**Matrix: Soil**		**Batch: 22I0953**		
Diesel	ND	---	20.5	mg/kg dry	1	09/29/22 11:24	NWTPH-Dx	
Oil	ND	---	41.0	mg/kg dry	1	09/29/22 11:24	NWTPH-Dx	
Surrogate: o-Terphenyl (Surr)		*Recovery: 81 %*		*Limits: 50-150 %*	*1*	*09/29/22 11:24*	*NWTPH-Dx*	

Apex Laboratories

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Michele Poquiz, Forensics Project Manager

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

ANALYTICAL REPORT

AMENDED REPORT

HydroCon LLC	Project: **Peak City of Milwaukie**	
314 W 15th Street Suite 300	Project Number: **2022-080**	**Report ID:**
Vancouver, WA 98660	Project Manager: **Dave Borys**	**A2I0878 - 10 19 22 1243**

ANALYTICAL SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
COM-NE-11 (A2I0878-03)				**Matrix: Soil**		**Batch: 22I0962**		
Gasoline Range Organics	ND	---	8.45	mg/kg dry	50	09/29/22 12:47	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*109 %*	*Limits: 50-150 %*	*1*	*09/29/22 12:47*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*107 %*	*50-150 %*	*1*	*09/29/22 12:47*	*NWTPH-Gx (MS)*	
COM-SE-11 (A2I0878-04)				**Matrix: Soil**		**Batch: 22I0962**		
Gasoline Range Organics	ND	---	6.92	mg/kg dry	50	09/29/22 13:14	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*110 %*	*Limits: 50-150 %*	*1*	*09/29/22 13:14*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*107 %*	*50-150 %*	*1*	*09/29/22 13:14*	*NWTPH-Gx (MS)*	
COM-GP20-03 (A2I0878-07)				**Matrix: Soil**		**Batch: 22I0962**		
Gasoline Range Organics	ND	---	10.7	mg/kg dry	50	09/29/22 13:41	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*109 %*	*Limits: 50-150 %*	*1*	*09/29/22 13:41*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*108 %*	*50-150 %*	*1*	*09/29/22 13:41*	*NWTPH-Gx (MS)*	
COM-GP40-03 (A2I0878-08)				**Matrix: Soil**		**Batch: 22I0962**		
Gasoline Range Organics	ND	---	7.38	mg/kg dry	50	09/29/22 14:08	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*110 %*	*Limits: 50-150 %*	*1*	*09/29/22 14:08*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*108 %*	*50-150 %*	*1*	*09/29/22 14:08*	*NWTPH-Gx (MS)*	
COM-GD-03 (A2I0878-09)				**Matrix: Soil**		**Batch: 22I0962**		
Gasoline Range Organics	ND	---	8.80	mg/kg dry	50	09/29/22 14:35	NWTPH-Gx (MS)	
Surrogate: 4-Bromofluorobenzene (Sur)		*Recovery:*	*111 %*	*Limits: 50-150 %*	*1*	*09/29/22 14:35*	*NWTPH-Gx (MS)*	
1,4-Difluorobenzene (Sur)			*107 %*	*50-150 %*	*1*	*09/29/22 14:35*	*NWTPH-Gx (MS)*	

Apex Laboratories

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Michele Poquiz, Forensics Project Manager

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

ANALYTICAL REPORT

AMENDED REPORT

HydroCon LLC	Project: **Peak City of Milwaukie**	
314 W 15th Street Suite 300	Project Number: **2022-080**	**Report ID:**
Vancouver, WA 98660	Project Manager: **Dave Borys**	**A2I0878 - 10 19 22 1243**

ANALYTICAL SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260D

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
COM-DP20-03 (A2I0878-05)				**Matrix: Soil**		**Batch: 22J0379**		
Benzene	ND	---	0.0157	mg/kg dry	50	10/11/22 14:04	5035A/8260D	
Toluene	ND	---	0.0785	mg/kg dry	50	10/11/22 14:04	5035A/8260D	
Ethylbenzene	ND	---	0.0393	mg/kg dry	50	10/11/22 14:04	5035A/8260D	
Xylenes, total	ND	---	0.118	mg/kg dry	50	10/11/22 14:04	5035A/8260D	
Methyl tert-butyl ether (MTBE)	ND	---	0.0785	mg/kg dry	50	10/11/22 14:04	5035A/8260D	
Naphthalene	ND	---	0.157	mg/kg dry	50	10/11/22 14:04	5035A/8260D	
1,2-Dibromoethane (EDB)	ND	---	0.0785	mg/kg dry	50	10/11/22 14:04	5035A/8260D	
1,2-Dichloroethane (EDC)	ND	---	0.0393	mg/kg dry	50	10/11/22 14:04	5035A/8260D	
Isopropylbenzene	ND	---	0.0785	mg/kg dry	50	10/11/22 14:04	5035A/8260D	
1,2,4-Trimethylbenzene	ND	---	0.0785	mg/kg dry	50	10/11/22 14:04	5035A/8260D	
1,3,5-Trimethylbenzene	ND	---	0.0785	mg/kg dry	50	10/11/22 14:04	5035A/8260D	
Surrogate: 1,4-Difluorobenzene (Surr)		*Recovery:*	*106 %*	*Limits: 80-120 %*	*1*	*10/11/22 14:04*	*5035A/8260D*	
Toluene-d8 (Surr)			*99 %*	*80-120 %*	*1*	*10/11/22 14:04*	*5035A/8260D*	
4-Bromofluorobenzene (Surr)			*94 %*	*79-120 %*	*1*	*10/11/22 14:04*	*5035A/8260D*	

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Michele Poquiz, Forensics Project Manager

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503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

AMENDED REPORT

HydroCon LLC	Project: Peak City of Milwaukie	
314 W 15th Street Suite 300	Project Number: 2022-080	Report ID:
Vancouver, WA 98660	Project Manager: Dave Borys	A2I0878 - 10 19 22 1243

ANALYTICAL SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
COM-DP20-03 (A2I0878-05)				**Matrix: Soil**		**Batch: 22J0642**		C-07
Aroclor 1016	ND	---	0.0103	mg/kg dry	1	10/18/22 08:35	EPA 8082A	
Aroclor 1221	ND	---	0.0103	mg/kg dry	1	10/18/22 08:35	EPA 8082A	
Aroclor 1232	ND	---	0.0103	mg/kg dry	1	10/18/22 08:35	EPA 8082A	
Aroclor 1242	ND	---	0.0103	mg/kg dry	1	10/18/22 08:35	EPA 8082A	
Aroclor 1248	ND	---	0.0103	mg/kg dry	1	10/18/22 08:35	EPA 8082A	
Aroclor 1254	ND	---	0.0103	mg/kg dry	1	10/18/22 08:35	EPA 8082A	
Aroclor 1260	ND	---	0.0103	mg/kg dry	1	10/18/22 08:35	EPA 8082A	
Surrogate: Decachlorobiphenyl (Surr)		*Recovery: 76 %*		*Limits: 60-125 %*	*1*	*10/18/22 08:35*	*EPA 8082A*	

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6700 S.W. Sandburg Street
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503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

AMENDED REPORT

HydroCon LLC	Project: **Peak City of Milwaukie**	
314 W 15th Street Suite 300	Project Number: **2022-080**	**Report ID:**
Vancouver, WA 98660	Project Manager: **Dave Borys**	**A2I0878 - 10 19 22 1243**

ANALYTICAL SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (SIM)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
COM-DP20-03 (A2I0878-05)				**Matrix: Soil**		**Batch: 22J0405**		
Acenaphthene	**0.326**	---	0.200	mg/kg dry	20	10/11/22 17:20	EPA 8270E SIM	**Q-42**
Acenaphthylene	ND	---	0.200	mg/kg dry	20	10/11/22 17:20	EPA 8270E SIM	
Anthracene	ND	---	0.200	mg/kg dry	20	10/11/22 17:20	EPA 8270E SIM	
Benz(a)anthracene	**0.261**	---	0.200	mg/kg dry	20	10/11/22 17:20	EPA 8270E SIM	**Q-42**
Benzo(a)pyrene	**0.289**	---	0.200	mg/kg dry	20	10/11/22 17:20	EPA 8270E SIM	**Q-42**
Benzo(b)fluoranthene	**0.315**	---	0.200	mg/kg dry	20	10/11/22 17:20	EPA 8270E SIM	**M-05, Q-42**
Benzo(k)fluoranthene	ND	---	0.200	mg/kg dry	20	10/11/22 17:20	EPA 8270E SIM	Q-42
Benzo(g,h,i)perylene	**0.420**	---	0.200	mg/kg dry	20	10/11/22 17:20	EPA 8270E SIM	
Chrysene	**0.234**	---	0.200	mg/kg dry	20	10/11/22 17:20	EPA 8270E SIM	**Q-42**
Dibenz(a,h)anthracene	ND	---	0.200	mg/kg dry	20	10/11/22 17:20	EPA 8270E SIM	
Fluoranthene	**0.507**	---	0.200	mg/kg dry	20	10/11/22 17:20	EPA 8270E SIM	**Q-42**
Fluorene	**0.231**	---	0.200	mg/kg dry	20	10/11/22 17:20	EPA 8270E SIM	**Q-42**
Indeno(1,2,3-cd)pyrene	**0.273**	---	0.200	mg/kg dry	20	10/11/22 17:20	EPA 8270E SIM	**Q-42**
1-Methylnaphthalene	ND	---	0.200	mg/kg dry	20	10/11/22 17:20	EPA 8270E SIM	
2-Methylnaphthalene	ND	---	0.200	mg/kg dry	20	10/11/22 17:20	EPA 8270E SIM	
Naphthalene	ND	---	0.200	mg/kg dry	20	10/11/22 17:20	EPA 8270E SIM	
Phenanthrene	**0.250**	---	0.200	mg/kg dry	20	10/11/22 17:20	EPA 8270E SIM	**Q-42**
Pyrene	**0.509**	---	0.200	mg/kg dry	20	10/11/22 17:20	EPA 8270E SIM	**Q-42**
Dibenzofuran	ND	---	0.200	mg/kg dry	20	10/11/22 17:20	EPA 8270E SIM	Q-42
Surrogate: 2-Fluorobiphenyl (Surr)		*Recovery:*	*97 %*	*Limits: 44-120 %*	*20*	*10/11/22 17:20*	*EPA 8270E SIM*	
p-Terphenyl-d14 (Surr)			*81 %*	*54-127 %*	*20*	*10/11/22 17:20*	*EPA 8270E SIM*	

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Michele Poquiz, Forensics Project Manager

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Tigard, OR 97223
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ORELAP ID: OR100062

ANALYTICAL REPORT

AMENDED REPORT

HydroCon LLC	Project: Peak City of Milwaukie	
314 W 15th Street Suite 300	Project Number: 2022-080	Report ID:
Vancouver, WA 98660	Project Manager: Dave Borys	A2I0878 - 10 19 22 1243

ANALYTICAL SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
COM-DP20-03 (A2I0878-05)				**Matrix: Soil**				
Batch: 22J0397								
Arsenic	**1.71**	---	1.01	mg/kg dry	10	10/11/22 17:38	EPA 6020B	
Barium	**83.9**	---	1.01	mg/kg dry	10	10/11/22 17:38	EPA 6020B	**Q-42**
Cadmium	**0.273**	---	0.202	mg/kg dry	10	10/11/22 17:38	EPA 6020B	
Chromium	**11.5**	---	1.01	mg/kg dry	10	10/11/22 17:38	EPA 6020B	**Q-42**
Lead	**23.9**	---	0.202	mg/kg dry	10	10/11/22 17:38	EPA 6020B	**Q-42**
Mercury	ND	---	0.0807	mg/kg dry	10	10/11/22 17:38	EPA 6020B	
Selenium	ND	---	1.01	mg/kg dry	10	10/11/22 17:38	EPA 6020B	
Silver	ND	---	0.202	mg/kg dry	10	10/11/22 17:38	EPA 6020B	

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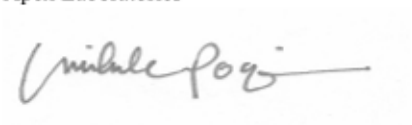

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ANALYTICAL REPORT

AMENDED REPORT

HydroCon LLC	Project: Peak City of Milwaukie	
314 W 15th Street Suite 300	Project Number: 2022-080	Report ID:
Vancouver, WA 98660	Project Manager: Dave Borys	A2I0878 - 10 19 22 1243

ANALYTICAL SAMPLE RESULTS

Percent Dry Weight

Analyte	Sample Result	Detection Limit	Reporting Limit	Units	Dilution	Date Analyzed	Method Ref.	Notes
COM-NW-8.5 (A2I0878-01)				**Matrix: Soil**		**Batch: 22I0937**		
% Solids	93.8	---	1.00	%	1	09/29/22 05:44	EPA 8000D	
COM-SW-8.5 (A2I0878-02)				**Matrix: Soil**		**Batch: 22I0937**		
% Solids	95.3	---	1.00	%	1	09/29/22 05:44	EPA 8000D	
COM-NE-11 (A2I0878-03)				**Matrix: Soil**		**Batch: 22I0990**		
% Solids	89.9	---	1.00	%	1	09/30/22 06:35	EPA 8000D	
COM-SE-11 (A2I0878-04)				**Matrix: Soil**		**Batch: 22I0990**		
% Solids	89.2	---	1.00	%	1	09/30/22 06:35	EPA 8000D	
COM-DP20-03 (A2I0878-05)				**Matrix: Soil**		**Batch: 22I0937**		
% Solids	96.1	---	1.00	%	1	09/29/22 05:44	EPA 8000D	
COM-DP40-03 (A2I0878-06)				**Matrix: Soil**		**Batch: 22I0937**		
% Solids	94.0	---	1.00	%	1	09/29/22 05:44	EPA 8000D	
COM-GP20-03 (A2I0878-07)				**Matrix: Soil**		**Batch: 22I0990**		
% Solids	93.1	---	1.00	%	1	09/30/22 06:35	EPA 8000D	
COM-GP40-03 (A2I0878-08)				**Matrix: Soil**		**Batch: 22I0990**		
% Solids	93.6	---	1.00	%	1	09/30/22 06:35	EPA 8000D	
COM-GD-03 (A2I0878-09)				**Matrix: Soil**		**Batch: 22I0990**		
% Solids	88.9	---	1.00	%	1	09/30/22 06:35	EPA 8000D	
COM-DD1-03 (A2I0878-10)				**Matrix: Soil**		**Batch: 22I0937**		
% Solids	82.0	---	1.00	%	1	09/29/22 05:44	EPA 8000D	
COM-DD2-03 (A2I0878-11)				**Matrix: Soil**		**Batch: 22I0937**		
% Solids	93.1	---	1.00	%	1	09/29/22 05:44	EPA 8000D	

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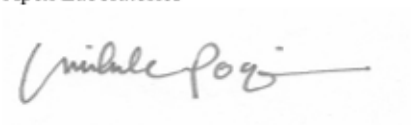

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ANALYTICAL REPORT

AMENDED REPORT

HydroCon LLC	Project:	Peak City of Milwaukie
314 W 15th Street Suite 300	Project Number:	2022-080
Vancouver, WA 98660	Project Manager:	Dave Borys

Report ID:
A2I0878 - 10 19 22 1243

QUALITY CONTROL (QC) SAMPLE RESULTS

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Analyte	Result	Detection L Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22I0953 - EPA 3546 (Fuels)									Soil			
Blank (22I0953-BLK1)		Prepared: 09/28/22 17:59 Analyzed: 09/28/22 21:45										
NWTPH-Dx												
Diesel	ND	---	18.2	mg/kg wet	1	---	---	---	---	---	---	
Oil	ND	---	36.4	mg/kg wet	1	---	---	---	---	---	---	
Surr: o-Terphenyl (Surr)		*Recovery: 96 %*		*Limits: 50-150 %*			*Dilution: 1x*					
LCS (22I0953-BS1)		Prepared: 09/28/22 17:59 Analyzed: 09/28/22 22:06										
NWTPH-Dx												
Diesel	116	---	20.0	mg/kg wet	1	125	---	93	38 - 132%	---	---	
Surr: o-Terphenyl (Surr)		*Recovery: 103 %*		*Limits: 50-150 %*			*Dilution: 1x*					

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503-718-2323
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ANALYTICAL REPORT

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314 W 15th Street Suite 300	Project Number: **2022-080**	**Report ID:**
Vancouver, WA 98660	Project Manager: **Dave Borys**	**A2I0878 - 10 19 22 1243**

QUALITY CONTROL (QC) SAMPLE RESULTS

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Analyte	Result	Detection L Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22I0962 - EPA 5035A							**Soil**					
Blank (22I0962-BLK1)		Prepared: 09/29/22 08:00		Analyzed: 09/29/22 10:32								
NWTPH-Gx (MS)												
Gasoline Range Organics	ND	---	3.33	mg/kg wet	50	---	---	---	---	---	---	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery: 109 %*		*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)			*106 %*		*50-150 %*		"					
LCS (22I0962-BS2)		Prepared: 09/29/22 08:00		Analyzed: 09/29/22 10:05								
NWTPH-Gx (MS)												
Gasoline Range Organics	25.2	---	5.00	mg/kg wet	50	25.0	---	101	80 - 120%	---	---	
Surr: 4-Bromofluorobenzene (Sur)		*Recovery: 107 %*		*Limits: 50-150 %*			*Dilution: 1x*					
1,4-Difluorobenzene (Sur)			*106 %*		*50-150 %*		"					

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Tigard, OR 97223
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Vancouver, WA 98660	Project Manager: **Dave Borys**	**A2I0878 - 10 19 22 1243**

QUALITY CONTROL (QC) SAMPLE RESULTS

Selected Volatile Organic Compounds by EPA 5035A/8260D

Analyte	Result	Detection L Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22J0379 - EPA 5035A							**Soil**					
Blank (22J0379-BLK1)		Prepared: 10/11/22 08:00 Analyzed: 10/11/22 10:55										
5035A/8260D												
Benzene	ND	---	0.00667	mg/kg wet	50	---	---	---	---	---	---	
Toluene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Ethylbenzene	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Xylenes, total	ND	---	0.0500	mg/kg wet	50	---	---	---	---	---	---	
Methyl tert-butyl ether (MTBE)	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Naphthalene	ND	---	0.0667	mg/kg wet	50	---	---	---	---	---	---	
1,2-Dibromoethane (EDB)	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,2-Dichloroethane (EDC)	ND	---	0.0167	mg/kg wet	50	---	---	---	---	---	---	
Isopropylbenzene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,2,4-Trimethylbenzene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
1,3,5-Trimethylbenzene	ND	---	0.0333	mg/kg wet	50	---	---	---	---	---	---	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery:*	*106 %*	*Limits:*	*80-120 %*		*Dilution:*	*1x*				
Toluene-d8 (Surr)			*99 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*94 %*		*79-120 %*			*"*				
LCS (22J0379-BS1)		Prepared: 10/11/22 08:00 Analyzed: 10/11/22 10:01										
5035A/8260D												
Benzene	1.11	---	0.0100	mg/kg wet	50	1.00	---	111	80 - 120%	---	---	
Toluene	0.990	---	0.0500	mg/kg wet	50	1.00	---	99	80 - 120%	---	---	
Ethylbenzene	0.970	---	0.0250	mg/kg wet	50	1.00	---	97	80 - 120%	---	---	
Xylenes, total	2.93	---	0.0750	mg/kg wet	50	3.00	---	98	80 - 120%	---	---	
Methyl tert-butyl ether (MTBE)	1.09	---	0.0500	mg/kg wet	50	1.00	---	109	80 - 120%	---	---	
Naphthalene	0.885	---	0.100	mg/kg wet	50	1.00	---	89	80 - 120%	---	---	
1,2-Dibromoethane (EDB)	1.03	---	0.0500	mg/kg wet	50	1.00	---	103	80 - 120%	---	---	
1,2-Dichloroethane (EDC)	1.11	---	0.0250	mg/kg wet	50	1.00	---	111	80 - 120%	---	---	
Isopropylbenzene	0.978	---	0.0500	mg/kg wet	50	1.00	---	98	80 - 120%	---	---	
1,2,4-Trimethylbenzene	1.01	---	0.0500	mg/kg wet	50	1.00	---	101	80 - 120%	---	---	
1,3,5-Trimethylbenzene	1.05	---	0.0500	mg/kg wet	50	1.00	---	105	80 - 120%	---	---	
Surr: 1,4-Difluorobenzene (Surr)		*Recovery:*	*107 %*	*Limits:*	*80-120 %*		*Dilution:*	*1x*				
Toluene-d8 (Surr)			*100 %*		*80-120 %*			*"*				
4-Bromofluorobenzene (Surr)			*96 %*		*79-120 %*			*"*				

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

HydroCon LLC	Project: **Peak City of Milwaukie**	
314 W 15th Street Suite 300	Project Number: **2022-080**	**Report ID:**
Vancouver, WA 98660	Project Manager: **Dave Borys**	**A2I0878 - 10 19 22 1243**

QUALITY CONTROL (QC) SAMPLE RESULTS

Polychlorinated Biphenyls by EPA 8082A

Analyte	Result	Detection L Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22J0642 - EPA 3546							**Soil**					
Blank (22J0642-BLK1)		Prepared: 10/17/22 10:26		Analyzed: 10/18/22 08:00								**C-07**
EPA 8082A												
Aroclor 1016	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Aroclor 1221	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Aroclor 1232	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Aroclor 1242	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Aroclor 1248	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Aroclor 1254	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Aroclor 1260	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Surr: Decachlorobiphenyl (Surr)		*Recovery: 90 %*		*Limits: 60-125 %*			*Dilution: 1x*					
LCS (22J0642-BS1)		Prepared: 10/17/22 10:26		Analyzed: 10/18/22 08:18								**C-07**
EPA 8082A												
Aroclor 1016	0.181	---	0.0100	mg/kg wet	1	0.250	---	72	47 - 134%	---	---	
Aroclor 1260	0.218	---	0.0100	mg/kg wet	1	0.250	---	87	53 - 140%	---	---	
Surr: Decachlorobiphenyl (Surr)		*Recovery: 95 %*		*Limits: 60-125 %*			*Dilution: 1x*					
Duplicate (22J0642-DUP1)		Prepared: 10/17/22 10:26		Analyzed: 10/18/22 09:11								**C-07**
QC Source Sample: COM-DP20-03 (A2I0878-05)												
EPA 8082A												
Aroclor 1016	ND	---	0.0102	mg/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1221	ND	---	0.0102	mg/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1232	ND	---	0.0102	mg/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1242	ND	---	0.0102	mg/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1248	ND	---	0.0102	mg/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1254	ND	---	0.0102	mg/kg dry	1	---	ND	---	---	---	30%	
Aroclor 1260	ND	---	0.0102	mg/kg dry	1	---	0.00858	---	---	***	30%	
Surr: Decachlorobiphenyl (Surr)		*Recovery: 75 %*		*Limits: 60-125 %*			*Dilution: 1x*					

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ANALYTICAL REPORT

AMENDED REPORT

HydroCon LLC	Project: **Peak City of Milwaukie**	
314 W 15th Street Suite 300	Project Number: **2022-080**	**Report ID:**
Vancouver, WA 98660	Project Manager: **Dave Borys**	**A2I0878 - 10 19 22 1243**

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (SIM)

Analyte	Result	Detection L Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22J0405 - EPA 3546							**Soil**					
Blank (22J0405-BLK1)		Prepared: 10/11/22 12:38 Analyzed: 10/11/22 16:30										
EPA 8270E SIM												
Acenaphthene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Acenaphthylene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Anthracene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Benz(a)anthracene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Benzo(a)pyrene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Benzo(b)fluoranthene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Benzo(k)fluoranthene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Benzo(g,h,i)perylene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Chrysene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Dibenz(a,h)anthracene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Fluoranthene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Fluorene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Indeno(1,2,3-cd)pyrene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
1-Methylnaphthalene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
2-Methylnaphthalene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Naphthalene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Phenanthrene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Pyrene	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Dibenzofuran	ND	---	0.00909	mg/kg wet	1	---	---	---	---	---	---	
Surr: 2-Fluorobiphenyl (Surr)		*Recovery: 88 %*		*Limits: 44-120 %*			*Dilution: 1x*					
p-Terphenyl-d14 (Surr)			*92 %*		*54-127 %*			*"*				
LCS (22J0405-BS1)		Prepared: 10/11/22 12:38 Analyzed: 10/11/22 16:55										
EPA 8270E SIM												
Acenaphthene	0.759	---	0.0100	mg/kg wet	1	0.800	---	95	40 - 123%	---	---	
Acenaphthylene	0.765	---	0.0100	mg/kg wet	1	0.800	---	96	32 - 132%	---	---	
Anthracene	0.768	---	0.0100	mg/kg wet	1	0.800	---	96	47 - 123%	---	---	
Benz(a)anthracene	0.738	---	0.0100	mg/kg wet	1	0.800	---	92	49 - 126%	---	---	
Benzo(a)pyrene	0.783	---	0.0100	mg/kg wet	1	0.800	---	98	45 - 129%	---	---	
Benzo(b)fluoranthene	0.775	---	0.0100	mg/kg wet	1	0.800	---	97	45 - 132%	---	---	
Benzo(k)fluoranthene	0.820	---	0.0100	mg/kg wet	1	0.800	---	103	47 - 132%	---	---	
Benzo(g,h,i)perylene	0.750	---	0.0100	mg/kg wet	1	0.800	---	94	43 - 134%	---	---	
Chrysene	0.787	---	0.0100	mg/kg wet	1	0.800	---	98	50 - 124%	---	---	

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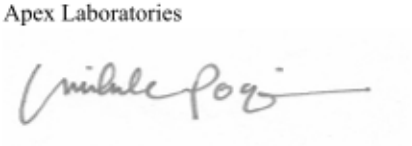

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ANALYTICAL REPORT

AMENDED REPORT

HydroCon LLC	Project: **Peak City of Milwaukie**	
314 W 15th Street Suite 300	Project Number: **2022-080**	**Report ID:**
Vancouver, WA 98660	Project Manager: **Dave Borys**	**A2I0878 - 10 19 22 1243**

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (SIM)

Analyte	Result	Detection L Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22J0405 - EPA 3546							**Soil**					
LCS (22J0405-BS1)		Prepared: 10/11/22 12:38 Analyzed: 10/11/22 16:55										
Dibenz(a,h)anthracene	0.773	---	0.0100	mg/kg wet	1	0.800	---	97	45 - 134%	---	---	
Fluoranthene	0.787	---	0.0100	mg/kg wet	1	0.800	---	98	50 - 127%	---	---	
Fluorene	0.733	---	0.0100	mg/kg wet	1	0.800	---	92	43 - 125%	---	---	
Indeno(1,2,3-cd)pyrene	0.776	---	0.0100	mg/kg wet	1	0.800	---	97	45 - 133%	---	---	
1-Methylnaphthalene	0.686	---	0.0100	mg/kg wet	1	0.800	---	86	40 - 120%	---	---	
2-Methylnaphthalene	0.687	---	0.0100	mg/kg wet	1	0.800	---	86	38 - 122%	---	---	
Naphthalene	0.724	---	0.0100	mg/kg wet	1	0.800	---	91	35 - 123%	---	---	
Phenanthrene	0.761	---	0.0100	mg/kg wet	1	0.800	---	95	50 - 121%	---	---	
Pyrene	0.798	---	0.0100	mg/kg wet	1	0.800	---	100	47 - 127%	---	---	
Dibenzofuran	0.737	---	0.0100	mg/kg wet	1	0.800	---	92	44 - 120%	---	---	
Surr: 2-Fluorobiphenyl (Surr)		*Recovery: 95 %*		*Limits: 44-120 %*			*Dilution: 1x*					
p-Terphenyl-d14 (Surr)			*82 %*		*54-127 %*		"					
Duplicate (22J0405-DUP1)		Prepared: 10/11/22 12:38 Analyzed: 10/11/22 17:45										
QC Source Sample: COM-DP20-03 (A2I0878-05)												
EPA 8270E SIM												
Acenaphthene	ND	---	0.204	mg/kg dry	20	---	0.326	---	---	***	**30%**	Q-04
Acenaphthylene	ND	---	0.204	mg/kg dry	20	---	ND	---	---	---	30%	
Anthracene	ND	---	0.204	mg/kg dry	20	---	ND	---	---	---	30%	
Benz(a)anthracene	ND	---	0.204	mg/kg dry	20	---	0.261	---	---	***	**30%**	Q-04
Benzo(a)pyrene	ND	---	0.204	mg/kg dry	20	---	0.289	---	---	***	**30%**	Q-04
Benzo(b)fluoranthene	ND	---	0.204	mg/kg dry	20	---	0.315	---	---	***	**30%**	Q-04
Benzo(k)fluoranthene	ND	---	0.204	mg/kg dry	20	---	0.133	---	---	***	**30%**	Q-04
Benzo(g,h,i)perylene	**0.314**	---	0.204	mg/kg dry	20	---	0.420	---	---	29	30%	
Chrysene	ND	---	0.204	mg/kg dry	20	---	0.234	---	---	***	**30%**	Q-04
Dibenz(a,h)anthracene	ND	---	0.204	mg/kg dry	20	---	ND	---	---	---	30%	
Fluoranthene	ND	---	0.204	mg/kg dry	20	---	0.507	---	---	***	**30%**	Q-04
Fluorene	ND	---	0.204	mg/kg dry	20	---	0.231	---	---	***	**30%**	Q-04
Indeno(1,2,3-cd)pyrene	ND	---	0.204	mg/kg dry	20	---	0.273	---	---	***	**30%**	Q-04
1-Methylnaphthalene	ND	---	0.204	mg/kg dry	20	---	ND	---	---	---	30%	
2-Methylnaphthalene	ND	---	0.204	mg/kg dry	20	---	ND	---	---	---	30%	
Naphthalene	ND	---	0.204	mg/kg dry	20	---	ND	---	---	---	30%	
Phenanthrene	ND	---	0.204	mg/kg dry	20	---	0.250	---	---	***	**30%**	Q-04
Pyrene	ND	---	0.204	mg/kg dry	20	---	0.509	---	---	***	**30%**	Q-04

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Michele Poquiz, Forensics Project Manager

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

HydroCon LLC	Project: **Peak City of Milwaukie**	
314 W 15th Street Suite 300	Project Number: **2022-080**	**Report ID:**
Vancouver, WA 98660	Project Manager: **Dave Borys**	**A2I0878 - 10 19 22 1243**

QUALITY CONTROL (QC) SAMPLE RESULTS

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (SIM)

Analyte	Result	Detection L Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22J0405 - EPA 3546							**Soil**					
Duplicate (22J0405-DUP1)		Prepared: 10/11/22 12:38		Analyzed: 10/11/22 17:45								
QC Source Sample: COM-DP20-03 (A2I0878-05)												
Dibenzofuran	ND	---	0.204	mg/kg dry	20	---	0.175	---	---	***	**30%**	Q-04
Surr: 2-Fluorobiphenyl (Surr)		*Recovery:*	*97 %*	*Limits:*	*44-120 %*		*Dilution:*	*20x*				
p-Terphenyl-d14 (Surr)			*85 %*		*54-127 %*			*"*				
Matrix Spike (22J0405-MS1)		Prepared: 10/11/22 12:38		Analyzed: 10/11/22 18:11								
QC Source Sample: COM-DP20-03 (A2I0878-05)												
EPA 8270E SIM												
Acenaphthene	0.953	---	0.191	mg/kg dry	20	0.763	0.326	82	40 - 123%	---	---	
Acenaphthylene	0.828	---	0.191	mg/kg dry	20	0.763	ND	109	32 - 132%	---	---	
Anthracene	0.813	---	0.191	mg/kg dry	20	0.763	ND	107	47 - 123%	---	---	
Benz(a)anthracene	1.07	---	0.191	mg/kg dry	20	0.763	0.261	106	49 - 126%	---	---	
Benzo(a)pyrene	1.27	---	0.191	mg/kg dry	20	0.763	0.289	129	45 - 129%	---	---	
Benzo(b)fluoranthene	1.30	---	0.191	mg/kg dry	20	0.763	0.315	129	45 - 132%	---	---	
Benzo(k)fluoranthene	1.08	---	0.191	mg/kg dry	20	0.763	0.133	125	47 - 132%	---	---	
Benzo(g,h,i)perylene	1.26	---	0.191	mg/kg dry	20	0.763	0.420	110	43 - 134%	---	---	
Chrysene	1.11	---	0.191	mg/kg dry	20	0.763	0.234	114	50 - 124%	---	---	
Dibenz(a,h)anthracene	0.794	---	0.191	mg/kg dry	20	0.763	ND	104	45 - 134%	---	---	
Fluoranthene	1.55	---	0.191	mg/kg dry	20	0.763	0.507	**137**	**50 - 127%**	---	---	Q-01
Fluorene	0.858	---	0.191	mg/kg dry	20	0.763	0.231	82	43 - 125%	---	---	
Indeno(1,2,3-cd)pyrene	1.16	---	0.191	mg/kg dry	20	0.763	0.273	117	45 - 133%	---	---	
1-Methylnaphthalene	0.642	---	0.191	mg/kg dry	20	0.763	ND	84	40 - 120%	---	---	
2-Methylnaphthalene	0.661	---	0.191	mg/kg dry	20	0.763	ND	87	38 - 122%	---	---	
Naphthalene	0.779	---	0.191	mg/kg dry	20	0.763	ND	102	35 - 123%	---	---	
Phenanthrene	1.01	---	0.191	mg/kg dry	20	0.763	0.250	100	50 - 121%	---	---	
Pyrene	1.71	---	0.191	mg/kg dry	20	0.763	0.509	**157**	**47 - 127%**	---	---	Q-01
Dibenzofuran	0.839	---	0.191	mg/kg dry	20	0.763	0.175	87	44 - 120%	---	---	
Surr: 2-Fluorobiphenyl (Surr)		*Recovery:*	*98 %*	*Limits:*	*44-120 %*		*Dilution:*	*20x*				
p-Terphenyl-d14 (Surr)			*85 %*		*54-127 %*			*"*				

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Michele Poquiz, Forensics Project Manager

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

ANALYTICAL REPORT

AMENDED REPORT

HydroCon LLC	Project: Peak City of Milwaukie	
314 W 15th Street Suite 300	Project Number: 2022-080	Report ID:
Vancouver, WA 98660	Project Manager: Dave Borys	A2I0878 - 10 19 22 1243

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection L Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22J0397 - EPA 3051A							Soil					
Blank (22J0397-BLK1)		Prepared: 10/11/22 10:42 Analyzed: 10/11/22 17:22										
EPA 6020B												
Arsenic	ND	---	0.962	mg/kg wet	10	---	---	---	---	---	---	
Barium	ND	---	0.962	mg/kg wet	10	---	---	---	---	---	---	
Cadmium	ND	---	0.192	mg/kg wet	10	---	---	---	---	---	---	
Chromium	ND	---	0.962	mg/kg wet	10	---	---	---	---	---	---	
Lead	ND	---	0.192	mg/kg wet	10	---	---	---	---	---	---	
Mercury	ND	---	0.0769	mg/kg wet	10	---	---	---	---	---	---	
Selenium	ND	---	0.962	mg/kg wet	10	---	---	---	---	---	---	
Silver	ND	---	0.192	mg/kg wet	10	---	---	---	---	---	---	
LCS (22J0397-BS1)		Prepared: 10/11/22 10:42 Analyzed: 10/11/22 17:33										
EPA 6020B												
Arsenic	47.1	---	1.00	mg/kg wet	10	50.0	---	94	80 - 120%	---	---	
Barium	48.0	---	1.00	mg/kg wet	10	50.0	---	96	80 - 120%	---	---	
Cadmium	47.8	---	0.200	mg/kg wet	10	50.0	---	96	80 - 120%	---	---	
Chromium	46.8	---	1.00	mg/kg wet	10	50.0	---	94	80 - 120%	---	---	
Lead	53.0	---	0.200	mg/kg wet	10	50.0	---	106	80 - 120%	---	---	
Mercury	0.984	---	0.0800	mg/kg wet	10	1.00	---	98	80 - 120%	---	---	
Selenium	23.5	---	1.00	mg/kg wet	10	25.0	---	94	80 - 120%	---	---	
Silver	26.4	---	0.200	mg/kg wet	10	25.0	---	105	80 - 120%	---	---	
Duplicate (22J0397-DUP1)		Prepared: 10/11/22 10:42 Analyzed: 10/11/22 17:43										
QC Source Sample: COM-DP20-03 (A2I0878-05)												
EPA 6020B												
Arsenic	**2.98**	---	1.03	mg/kg dry	10	---	1.71	---	---	**54**	**20%**	Q-05
Barium	**56.8**	---	1.03	mg/kg dry	10	---	83.9	---	---	**39**	**20%**	Q-04
Cadmium	**0.241**	---	0.206	mg/kg dry	10	---	0.273	---	---	12	20%	
Chromium	**14.9**	---	1.03	mg/kg dry	10	---	11.5	---	---	**26**	**20%**	Q-04
Lead	**27.7**	---	0.206	mg/kg dry	10	---	23.9	---	---	15	20%	
Mercury	ND	---	0.0824	mg/kg dry	10	---	ND	---	---	---	20%	
Selenium	ND	---	1.03	mg/kg dry	10	---	ND	---	---	---	20%	
Silver	ND	---	0.206	mg/kg dry	10	---	ND	---	---	---	20%	
Matrix Spike (22J0397-MS1)		Prepared: 10/11/22 10:42 Analyzed: 10/11/22 17:48										

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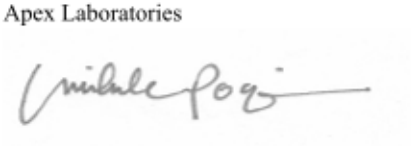

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Michele Poquiz, Forensics Project Manager

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6700 S.W. Sandburg Street
Tigard, OR 97223
503-718-2323
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HydroCon LLC	Project: **Peak City of Milwaukie**	
314 W 15th Street Suite 300	Project Number: **2022-080**	**Report ID:**
Vancouver, WA 98660	Project Manager: **Dave Borys**	**A2I0878 - 10 19 22 1243**

QUALITY CONTROL (QC) SAMPLE RESULTS

Total Metals by EPA 6020B (ICPMS)

Analyte	Result	Detection L Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22J0397 - EPA 3051A							**Soil**					
Matrix Spike (22J0397-MS1)		Prepared: 10/11/22 10:42		Analyzed: 10/11/22 17:48								
QC Source Sample: COM-DP20-03 (A2I0878-05)												
EPA 6020B												
Arsenic	47.5	---	1.01	mg/kg dry	10	50.4	1.71	91	75 - 125%	---	---	
Barium	105	---	1.01	mg/kg dry	10	50.4	83.9	**42**	**75 - 125%**	---	---	Q-04
Cadmium	46.6	---	0.202	mg/kg dry	10	50.4	0.273	92	75 - 125%	---	---	
Chromium	62.0	---	1.01	mg/kg dry	10	50.4	11.5	100	75 - 125%	---	---	
Lead	93.9	---	0.202	mg/kg dry	10	50.4	23.9	**139**	**75 - 125%**	---	---	Q-04
Mercury	0.913	---	0.0807	mg/kg dry	10	1.01	ND	91	75 - 125%	---	---	
Selenium	22.9	---	1.01	mg/kg dry	10	25.2	ND	91	75 - 125%	---	---	
Silver	24.8	---	0.202	mg/kg dry	10	25.2	ND	99	75 - 125%	---	---	
Matrix Spike Dup (22J0397-MSD1)		Prepared: 10/11/22 10:42		Analyzed: 10/11/22 18:35								
QC Source Sample: COM-DP20-03 (A2I0878-05)												
EPA 6020B												
Arsenic	50.5	---	5.04	mg/kg dry	50	50.4	ND	100	75 - 125%	6	20%	
Silver	25.0	---	1.01	mg/kg dry	50	25.2	ND	99	75 - 125%	0.8	20%	

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HydroCon LLC	Project: **Peak City of Milwaukie**	
314 W 15th Street Suite 300	Project Number: **2022-080**	**Report ID:**
Vancouver, WA 98660	Project Manager: **Dave Borys**	**A2I0878 - 10 19 22 1243**

QUALITY CONTROL (QC) SAMPLE RESULTS

Percent Dry Weight

Analyte	Result	Detection L Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22I0937 - Total Solids (Dry Weight)							**Soil**					
Duplicate (22I0937-DUP6)		Prepared: 09/28/22 18:56		Analyzed: 09/29/22 05:44								
QC Source Sample: COM-NW-8.5 (A2I0878-01)												
EPA 8000D												
% Solids	**93.0**	---	1.00	%	1	---	93.8	---	---	0.9	10%	
Duplicate (22I0937-DUP7)		Prepared: 09/28/22 18:56		Analyzed: 09/29/22 05:44								
QC Source Sample: COM-SW-8.5 (A2I0878-02)												
EPA 8000D												
% Solids	**94.2**	---	1.00	%	1	---	95.3	---	---	1	10%	
Duplicate (22I0937-DUP8)		Prepared: 09/28/22 18:56		Analyzed: 09/29/22 05:44								
QC Source Sample: COM-DP20-03 (A2I0878-05)												
EPA 8000D												
% Solids	**96.1**	---	1.00	%	1	---	96.1	---	---	0.06	10%	

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

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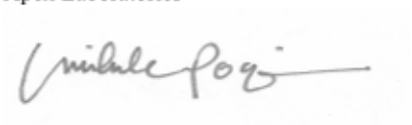

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Tigard, OR 97223
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ANALYTICAL REPORT

AMENDED REPORT

HydroCon LLC	Project: Peak City of Milwaukie	
314 W 15th Street Suite 300	Project Number: 2022-080	Report ID:
Vancouver, WA 98660	Project Manager: Dave Borys	A2I0878 - 10 19 22 1243

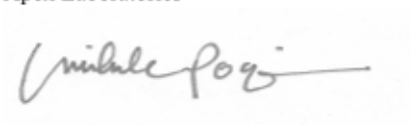
QUALITY CONTROL (QC) SAMPLE RESULTS

Percent Dry Weight

Analyte	Result	Detection L Limit	Reporting Limit	Units	Dilution	Spike Amount	Source Result	% REC	% REC Limits	RPD	RPD Limit	Notes
Batch 22I0990 - Total Solids (Dry Weight)							**Soil**					

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

Apex Laboratories



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Tigard, OR 97223
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ANALYTICAL REPORT

AMENDED REPORT

HydroCon LLC	Project: Peak City of Milwaukie	
314 W 15th Street Suite 300	Project Number: 2022-080	Report ID:
Vancouver, WA 98660	Project Manager: Dave Borys	A2I0878 - 10 19 22 1243

SAMPLE PREPARATION INFORMATION

Diesel and/or Oil Hydrocarbons by NWTPH-Dx

Prep: EPA 3546 (Fuels)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 22I0953							
A2I0878-01RE2	Soil	NWTPH-Dx	09/27/22 13:20	09/28/22 17:59	10.05g/5mL	10g/5mL	1.00
A2I0878-02RE1	Soil	NWTPH-Dx	09/27/22 13:30	09/28/22 17:59	10.69g/5mL	10g/5mL	0.94
A2I0878-05RE1	Soil	NWTPH-Dx	09/27/22 13:55	09/28/22 17:59	10.58g/5mL	10g/5mL	0.95
A2I0878-06RE1	Soil	NWTPH-Dx	09/27/22 14:05	09/28/22 17:59	10.57g/5mL	10g/5mL	0.95
A2I0878-10	Soil	NWTPH-Dx	09/27/22 14:25	09/28/22 17:59	10.23g/5mL	10g/5mL	0.98
A2I0878-11RE1	Soil	NWTPH-Dx	09/27/22 14:30	09/28/22 17:59	10.47g/5mL	10g/5mL	0.96

Gasoline Range Hydrocarbons (Benzene through Naphthalene) by NWTPH-Gx

Prep: EPA 5035A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 22I0962							
A2I0878-03	Soil	NWTPH-Gx (MS)	09/27/22 13:40	09/27/22 13:40	3.53g/5mL	5g/5mL	1.42
A2I0878-04	Soil	NWTPH-Gx (MS)	09/27/22 13:45	09/27/22 13:45	4.44g/5mL	5g/5mL	1.13
A2I0878-07	Soil	NWTPH-Gx (MS)	09/27/22 14:10	09/27/22 14:10	2.6g/5mL	5g/5mL	1.92
A2I0878-08	Soil	NWTPH-Gx (MS)	09/27/22 14:15	09/27/22 14:15	3.8g/5mL	5g/5mL	1.32
A2I0878-09	Soil	NWTPH-Gx (MS)	09/27/22 14:20	09/27/22 14:20	3.44g/5mL	5g/5mL	1.45

Selected Volatile Organic Compounds by EPA 5035A/8260D

Prep: EPA 5035A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 22J0379							
A2I0878-05	Soil	5035A/8260D	09/27/22 13:55	09/27/22 13:55	3.4g/5mL	5g/5mL	1.47

Polychlorinated Biphenyls by EPA 8082A

Prep: EPA 3546

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 22J0642							
A2I0878-05	Soil	EPA 8082A	09/27/22 13:55	10/17/22 10:26	10.08g/5mL	10g/5mL	0.99

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (SIM)

Prep: EPA 3546

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor

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Apex Laboratories, LLC
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Tigard, OR 97223
503-718-2323
ORELAP ID: OR100062

ANALYTICAL REPORT

AMENDED REPORT

HydroCon LLC	Project: Peak City of Milwaukie	
314 W 15th Street Suite 300	Project Number: 2022-080	Report ID:
Vancouver, WA 98660	Project Manager: Dave Borys	A2I0878 - 10 19 22 1243

SAMPLE PREPARATION INFORMATION

Polyaromatic Hydrocarbons (PAHs) by EPA 8270E (SIM)

Prep: EPA 3546

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 22J0405							
A2I0878-05	Soil	EPA 8270E SIM	09/27/22 13:55	10/11/22 12:38	10.39g/5mL	10g/5mL	0.96

Total Metals by EPA 6020B (ICPMS)

Prep: EPA 3051A

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 22J0397							
A2I0878-05	Soil	EPA 6020B	09/27/22 13:55	10/11/22 10:42	0.516g/50mL	0.5g/50mL	0.97

Percent Dry Weight

Prep: Total Solids (Dry Weight)

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
Batch: 22I0937							
A2I0878-01	Soil	EPA 8000D	09/27/22 13:20	09/28/22 18:56			NA
A2I0878-02	Soil	EPA 8000D	09/27/22 13:30	09/28/22 18:56			NA
A2I0878-05	Soil	EPA 8000D	09/27/22 13:55	09/28/22 18:56			NA
A2I0878-06	Soil	EPA 8000D	09/27/22 14:05	09/28/22 18:56			NA
A2I0878-10	Soil	EPA 8000D	09/27/22 14:25	09/28/22 18:56			NA
A2I0878-11	Soil	EPA 8000D	09/27/22 14:30	09/28/22 18:56			NA
Batch: 22I0990							
A2I0878-03	Soil	EPA 8000D	09/27/22 13:40	09/29/22 13:18			NA
A2I0878-04	Soil	EPA 8000D	09/27/22 13:45	09/29/22 13:18			NA
A2I0878-07	Soil	EPA 8000D	09/27/22 14:10	09/29/22 13:18			NA
A2I0878-08	Soil	EPA 8000D	09/27/22 14:15	09/29/22 13:18			NA
A2I0878-09	Soil	EPA 8000D	09/27/22 14:20	09/29/22 13:18			NA

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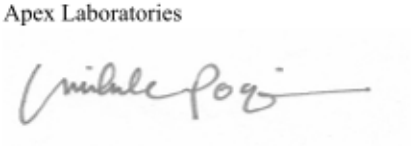

Michele Poquiz, Forensics Project Manager

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6700 S.W. Sandburg Street
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503-718-2323
ORELAP ID: **OR100062**

ANALYTICAL REPORT

AMENDED REPORT

HydroCon LLC	Project: **Peak City of Milwaukie**	
314 W 15th Street Suite 300	Project Number: **2022-080**	**Report ID:**
Vancouver, WA 98660	Project Manager: **Dave Borys**	**A2I0878 - 10 19 22 1243**

QUALIFIER DEFINITIONS

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

Apex Laboratories

C-07	Extract has undergone Sulfuric Acid Cleanup by EPA 3665A, Sulfur Cleanup by EPA 3660B, and Florisil Cleanup by EPA 3620B in order to minimize matrix interference.
F-11	The hydrocarbon pattern indicates possible weathered diesel, mineral oil, or a contribution from a related component.
M-05	Estimated results. Peak separation for structural isomers is insufficient for accurate quantification.
Q-01	Spike recovery and/or RPD is outside acceptance limits.
Q-04	Spike recovery and/or RPD is outside control limits due to a non-homogeneous sample matrix.
Q-05	Analyses are not controlled on RPD values from sample and duplicate concentrations that are below 5 times the reporting level.
Q-42	Matrix Spike and/or Duplicate analysis was performed on this sample. % Recovery or RPD for this analyte is outside laboratory control limits. (Refer to the QC Section of Analytical Report.)
S-05	Surrogate recovery is estimated due to sample dilution required for high analyte concentration and/or matrix interference.

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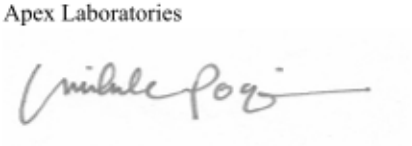

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REPORTING NOTES AND CONVENTIONS:

Abbreviations:

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

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

NR Result Not Reported.

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

Detection Limits: Limit of Detection (LOD)

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

Reporting Limits: Limit of Quantitation (LOQ)

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

Reporting Conventions:

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

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

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

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

QC Source:

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

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

Miscellaneous Notes:

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

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

Blanks:

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

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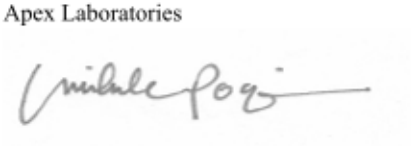

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REPORTING NOTES AND CONVENTIONS (Cont.):

Blanks (Cont.):

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

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

Preparation Notes:

Mixed Matrix Samples:

Water Samples:

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

Soil and Sediment Samples:

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

Sampling and Preservation Notes:

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

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

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

Apex Laboratories maintains detailed records on sample receipt, including client label verification, cooler temperature, sample preservation, hold

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Vancouver, WA 98660	Project Manager: Dave Borys	A2I0878 - 10 19 22 1243

LABORATORY ACCREDITATION INFORMATION

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

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

Apex Laboratories

Matrix	Analysis	TNI_ID	Analyte	TNI_ID	Accreditation

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

Secondary Accreditations

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

Subcontract Laboratory Accreditations

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

Field Testing Parameters

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

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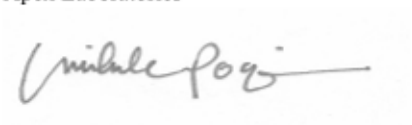

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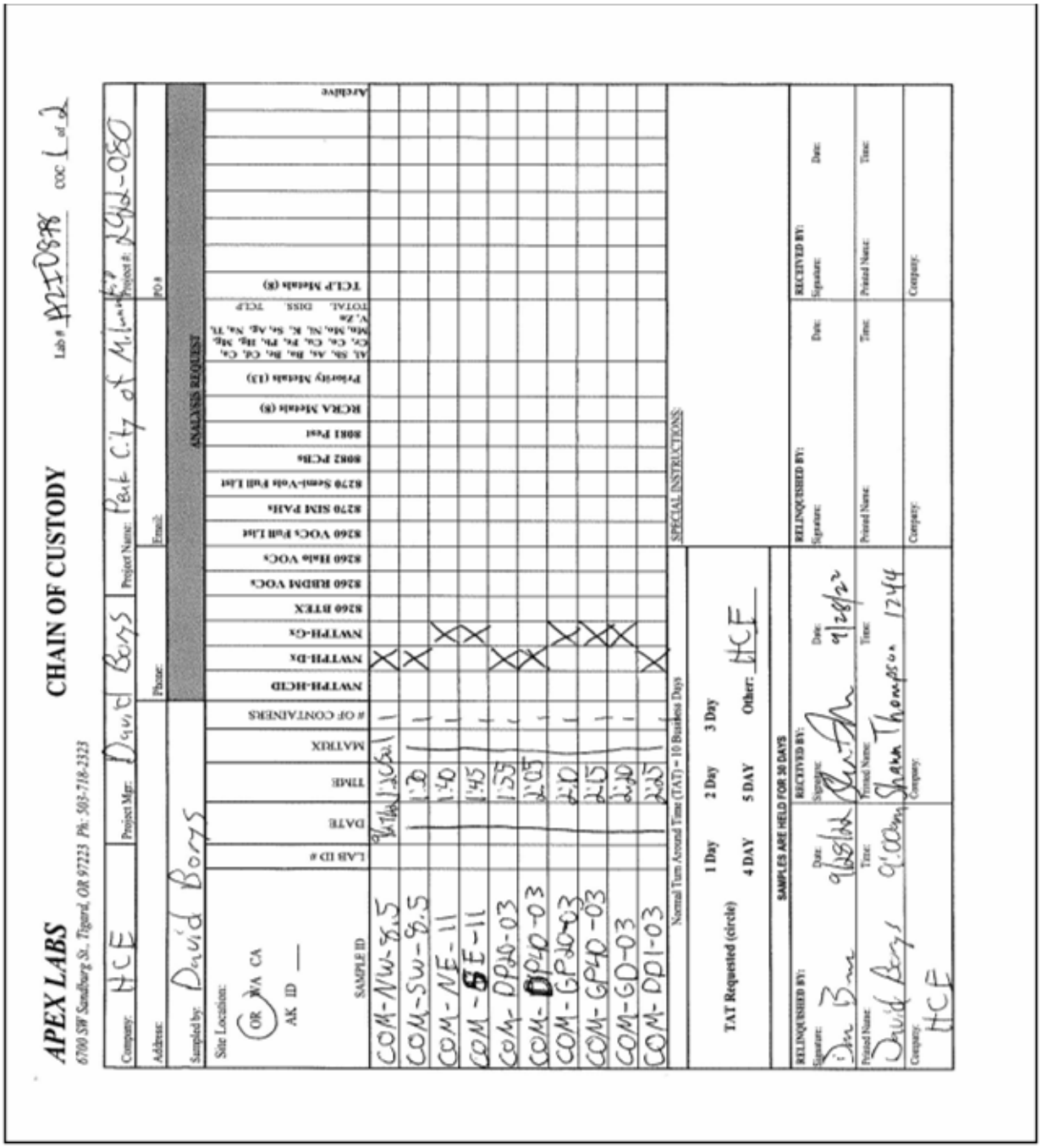

APEX LABS — **CHAIN OF CUSTODY** — Lab # A2I0878 — COC 1 of 1

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

Company: HCE | Project Mgr: David Borys | Project Name: Peak City of Milwaukie | Project #: 2022-080

Address: | Phone: | Email:

Sampled by: David Borys

Site Location: (OR) WA CA AK ID —

SAMPLE ID	LAB ID #	DATE	TIME	MATRIX	# OF CONTAINERS	NWTFH-HCID	NWTFH-Dx	NWTFH-Gx	8260 BTEX	8260 RHDM VOCs	8260 Halo VOCs	8260 VOCs Full List	8270 SIM PAHs	8270 Semi-Volo Full List	8082 PCBs	8081 Pest	RCRA Metals (8)	Priority Metals (13)	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Tl, V, Zn TOTAL DISS TCLP	TCLP Metals (8)	PO #	Archive
COM-NW-S-5		9/28/22	1:30	Water	1		X														
COM-SW-S-5			1:30		1		X														
COM-NE-11			1:40		1			X													
COM-SE-11			1:45		1			X													
COM-DPW-03			1:55		1		X														
COM-DPW-03			2:05		1		X														
COM-GPW-03			2:10		1			X													
COM-GPW-03			2:15		1			X													
COM-GW-03			2:20		1			X													
COM-DW1-03			2:25		1		X														

Normal Turn Around Time (TAT) = 10 Business Days

SPECIAL INSTRUCTIONS:

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

SAMPLES ARE HELD FOR 30 DAYS

RELINQUISHED BY:	Date:	RECEIVED BY:	Date:
Signature:	9/28/22	Signature:	9/28/22
Printed Name:	Time:	Printed Name:	Time:
David Borys	9:00am	Shana Thompson	1244
Company: HCE		Company:	

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

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

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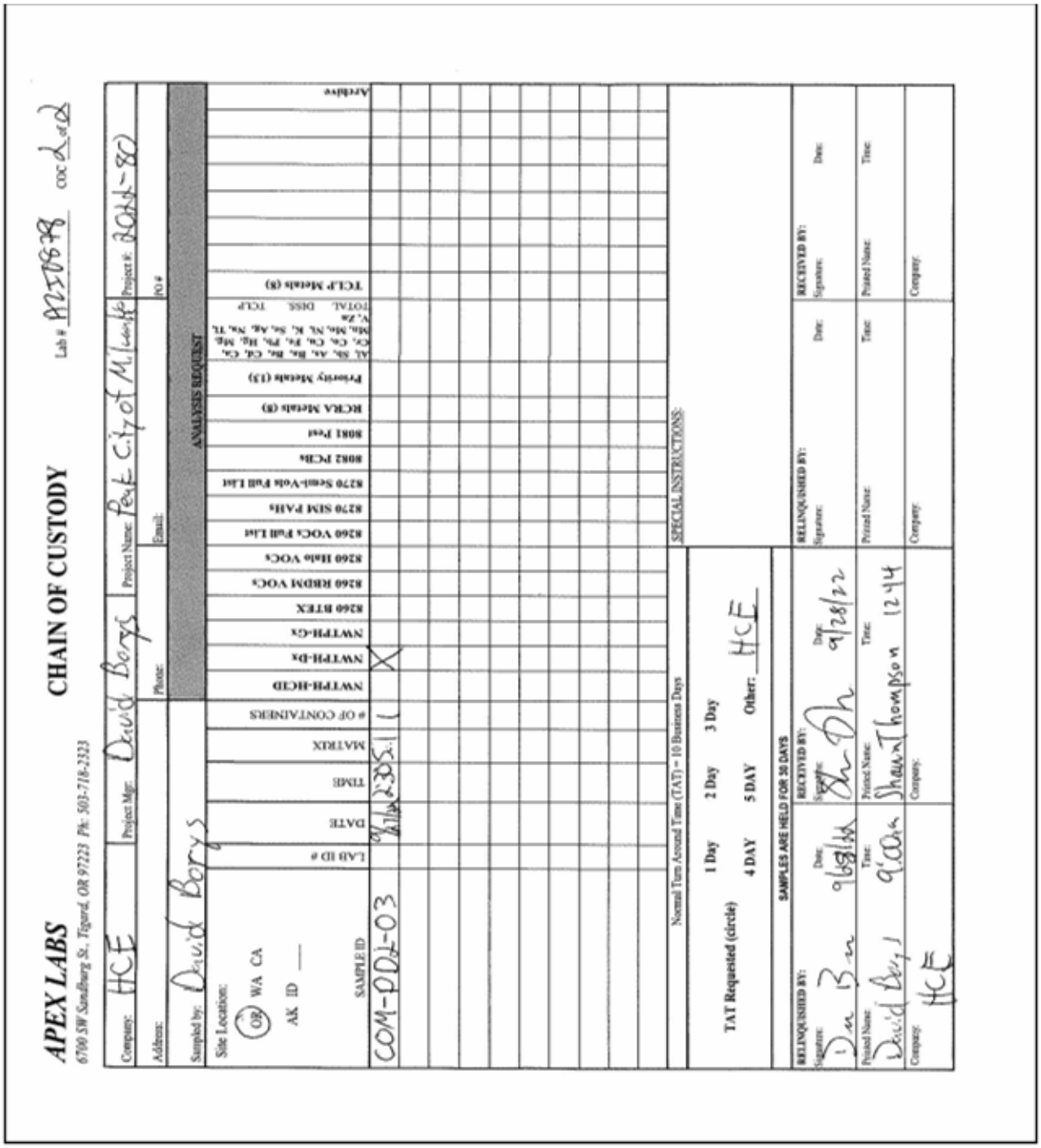

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APEX LABS COOLER RECEIPT FORM

Client: HCE Element WO#: A2I0878

Project/Project #: PEAK CITY OF MILWAUKIE # 2022-80

Delivery Info:

Date/time received: 9/28/22 @ 1244 By: SAT

Delivered by: Apex X Client ___ ESS ___ FedEx ___ UPS ___ Swift ___ Senvoy ___ SDS ___ Other ___

Cooler Inspection Date/time inspected: 9/28/22 @ 1405 By: SAT

Chain of Custody included? Yes X No ___ Custody seals? Yes ___ No X

Signed/dated by client? Yes X No ___

Signed/dated by Apex? Yes X No ___

	Cooler #1	Cooler #2	Cooler #3	Cooler #4	Cooler #5	Cooler #6	Cooler #7
Temperature (°C)	4.1						
Received on ice? (Y/N)	Y						
Temp. blanks? (Y/N)	Y						
Ice type: (Gel/Real/Other)	Gel						
Condition:	Good						

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

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

Out of temperature samples form initiated? Yes/No

Sample Inspection: Date/time inspected: 9/28/22 @ 1600 By: AKK

All samples intact? Yes X No ___ Comments: ___

Bottle labels/COCs agree? Yes ___ No X Comments: All samples: 3 containers provided, 1 on COC. COM-GP40-03 ID on 1/2 VOAs reads COM-G40-03. PB NB DP40

COC/container discrepancies form initiated? Yes ___ No X

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

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

Comments ___

Water samples: pH checked: Yes ___ No ___ NA X pH appropriate? Yes ___ No ___ NA X

Comments: ___

Additional information: ___

Labeled by: AKK Witness: DSS Cooler Inspected by: AKK

Form Y-003 R-00

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