

March 25, 2024

Cameron Curtis Legacy Development Group 403 highway 35 - Hood River, Oregon 97031

Subject: Analytical Results for March 13, 2024 Cherry Hills Estates Soil Sampling Event

Dear Mr. Curtis,

This letter is to provide the analytical results for the soil that was sampled by HRK Engineering & Field Services (HRK) per the Department of Ecology comment filed under the Notice of Application/SEPA Optional DNS comment period. The soil originated from the Cherry Hill Estates property (parcel 0310247500400) in White Salmon, WA.

Five composite samples were obtained by HRK on March 13, 2024, and sent to Specialty Analytical for the analysis of Arsenic (As) and lead (Pb) (see Attachment A for soil sampling locations). The analytical results were received by HRK on March 20, 2024, and a copy is provided as Attachment B. The analytical results indicate that As metal was detected in all of the five samples at concentrations ranging from 3.59 to 4.51 ppm. Pb was also detected in all five samples at concentrations ranging from 11.1 to 14.1 ppm. The As and Pb constituents detected in the soil samples are summarized in the table below and are compared to the statistical-based background concentration for the region where the soil originated and Washington state-wide average¹.

Metal	Soil Sample 1 Analytical Result (ppm)	Soil Sample 2 Analytical Result (ppm)	Soil Sample 3 Analytical Result (ppm)	Soil Sample 4 Analytical Result (ppm)	Soil Sample 5 Analytical Result (ppm)	Background Concentration For Soil in the Yakima Basin ² Region (ppm)	Washington State-Wide Background Concentration For Soil (ppm)
As	4.51	4.04	3.59	4.25	4.46	5.13* 41.79**	6.99* 41.81**
Pb	14.1	12.7	11.1	11.6	11.4	11.00	17.09

*Result using Atomic Absorption (AA) analysis

The results for the As and Pb metal constituents analyzed in the soil samples are at concentrations similar to, or within the background concentrations in the region where the soil originated and the average for Washington state.

^{*}Result using Inductively Coupled Plasma (ICP) analysis

¹Natural Background Soil Metals Concentrations in Washington State, Washington State Department of Ecology, Toxics Cleanup Program publication, October 1994.

²The Yakima Basin Region consists of Yakima, Kittitas, Klickitat, Chelan, and Benton counties.

Page 2 of 2

In comparison, the Model Toxics Control Act (MTCA) Method A clean-up levels for As and Pb are 20 ppm and 250 ppm, respectively that were developed assuming direct human contact with the soil including protection of groundwater (As) and prevention of unacceptable levels in blood (Pb)³.

If you have any questions or require anything else, don't hesitate to contact me at the information provided below.

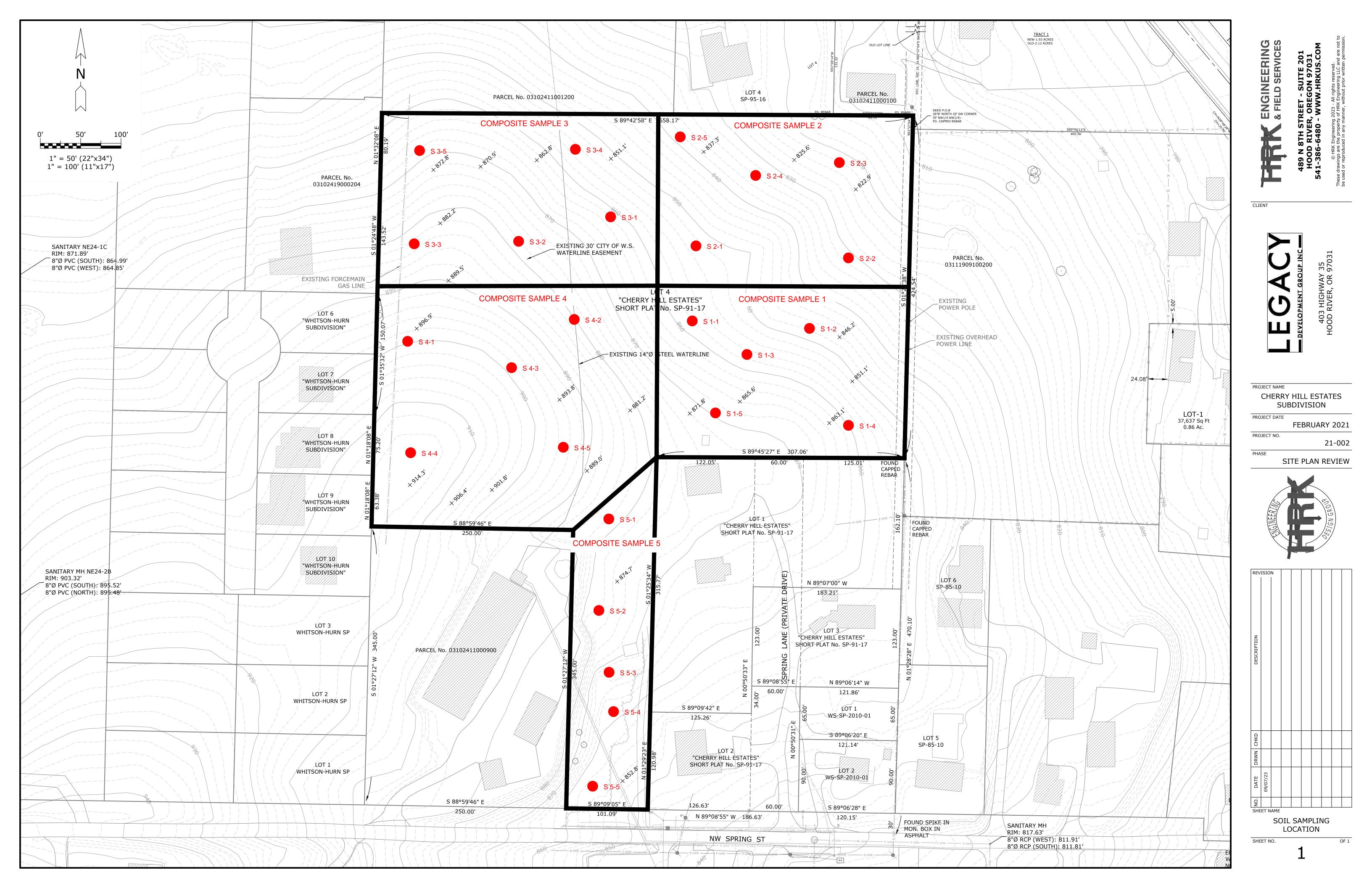


Phillip E. Kovacs, PE Senior Environmental Engineer pkovacs@hrkus.com 503-409-3346

³Washington Administrative Code (WAC) 173-340-900.

Attachment A

Soil Sampling Locations



Attachment B

Analytical Results



Specialty Analytical

9011 SE Jannsen Rd Clackamas, OR 97015 TEL: (503) 607-1331

Website: www.specialtyanalytical.com

March 20, 2024

Apedroza HRK Engineering 489 N. 8th Street Suite 201

Hood River, OR 97031 TEL: (541) 386-6480

FAX:

RE: Cherry Hill Estates / Z1-002 Order No.: 2403148

Dear Apedroza:

There were no problems with the analysis and all data for associated QC met EPA or laboratory specifications, except where noted in the Case Narrative, or as qualified with flags. Results apply only to the samples analyzed. Without approval of the laboratory, the reproduction of this report is only permitted in its entirety.

If you have any questions regarding these tests, please feel free to call.

Sincerely,

Marty French Lab Director

Specialty Analytical

Analyses

WO#: Date Reported:

Date Analyzed

2403148 3/20/2024

CLIENT: HRK Engineering

Cherry Hill Estates / Z1-002 **Project:**

Lab ID: 2403148-001 Matrix: SOIL

Client Sample ID Sample 1 Collection Date: 3/12/2024 10:30:00 AM

Result **RL Oual Units** Analyses **Date Analyzed ICP/MS METALS-TOTAL RECOVERABLE** SW 6020B SW3050B Analyst: JRC Arsenic 4510 1290 10 3/18/2024 3:52:28 PM µg/Kg-dry Lead 14100 323 µg/Kg-dry 10 3/18/2024 3:52:28 PM

Lab ID: 2403148-002 Matrix: SOIL

Result

Client Sample ID Sample 2 Collection Date: 3/12/2024 10:30:00 AM

ICP/MS METALS-TOTAL RECOVERABLE SW 6020B SW3050B Analyst: JRC Arsenic 4040 1270 3/18/2024 3:55:47 PM μg/Kg-dry 10 Lead 12700 318 μg/Kg-dry 10 3/18/2024 3:55:47 PM

RL Oual Units

Lab ID: 2403148-003 Matrix: SOIL

Client Sample ID Sample 3 Collection Date: 3/12/2024 10:30:00 AM

Analyses Result **RL Oual Units** DF **Date Analyzed ICP/MS METALS-TOTAL RECOVERABLE** SW 6020B SW3050B Analyst: JRC Arsenic 3590 1180 μg/Kg-dry 10 3/18/2024 3:25:27 PM Lead 11100 295 μg/Kg-dry 10 3/18/2024 3:25:27 PM

2403148-004 Lab ID: Matrix: SOIL

Client Sample ID Sample 4 Collection Date: 3/12/2024 10:30:00 AM

Result **RL Qual Units** DF Analyses **Date Analyzed ICP/MS METALS-TOTAL RECOVERABLE** SW 6020B SW3050B Analyst: JRC Arsenic 4250 1200 μg/Kg-dry 10 3/18/2024 3:59:06 PM Lead 11600 301 10 3/18/2024 3:59:06 PM

μg/Kg-dry

Specialty Analytical

WO#:

2403148

Date Reported:

3/20/2024

CLIENT:

HRK Engineering

Project:

Cherry Hill Estates / Z1-002

Lab ID:

Arsenic

Lead

2403148-005

Matrix: SOIL

Collection Date: 3/12/2024 10:30:00 AM

Date Analyzed

Analyses

Client Sample ID Sample 5

ICP/MS METALS-TOTAL RECOVERABLE

1260 315

Result

4460

11400

RL Qual Units

SW 6020B μg/Kg-dry μg/Kg-dry

SW3050B 10

10

3/18/2024 4:02:25 PM 3/18/2024 4:02:25 PM

Analyst: JRC



Accreditation Program Analytes Report

WO#: **2403148**

20-Mar-24

Client: HRK Engineering

Project: Cherry Hill Estates / Z1-002

Program Name	Sample ID	ClientSampleID	Matrix	Test Name	Analyte	Status
ORELAP	2403148-001A	Sample 1	Soil	ICP/MS METALS-TOTAL RECOVERABLE	Lead	A
			Solid		Lead	A
					Arsenic	A
			Soil		Arsenic	A
	2403148-002A	Sample 2			Arsenic	A
			Solid		Lead	A
			Soil		Lead	A
			Solid		Arsenic	A
	2403148-003A	Sample 3			Lead	A
			Soil		Arsenic	A
					Lead	A
			Solid		Arsenic	A
	2403148-004A	Sample 4	Soil		Arsenic	A
			Solid		Arsenic	A
			Soil		Lead	A
			Solid		Lead	A
	2403148-005A	Sample 5			Lead	A
			Soil		Arsenic	A
					Lead	A
			Solid		Arsenic	A

WO#:

2403148

3/20/2024

Client: HRK Engineering

Specialty Analytical

Project: Cherry Hill Estates / Z1-002 TestCode: 6020_S

Project:	Cherry Hill Estates / Z1-002						esiCode: 6	020_8		
Sample ID: ICV	SampType: ICV	TestCode: 6020_S	Units: µg/Kg		Prep Da	te:		RunNo: 53	213	
Client ID: ICV	Batch ID: 23233	TestNo: SW 602	0B SW3050B		Analysis Da	te: 3/18/2 0)24	SeqNo: 68	7698	
Analyte	Result	PQL SPK valu	e SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	4910	100 500	0 0	98.3	90	110				
Lead	4930	25.0 500	0 0	98.6	90	110				
Sample ID: MR-22	2222 SampType: MPLK	TostCodo: 6020 S	Unite: ua/Ka		Prop Do	to: 2/19/20	124	DunNo: 53	212	
Sample ID: MB-23 Client ID: PBS	SampType: MBLK Batch ID: 23233	TestCode: 6020_S TestNo: SW 602			Prep Da Analysis Da	te: 3/18/20		RunNo: 53: SeqNo: 68		
·		TestNo: SW 602		%REC	Analysis Da	te: 3/18/2 0				Qual
Client ID: PBS	Batch ID: 23233	TestNo: SW 602	0B SW3050B	%REC	Analysis Da	te: 3/18/2 0)24	SeqNo: 68	7700	Qual
Client ID: PBS Analyte	Batch ID: 23233 Result	TestNo: SW 602 PQL SPK valu	0B SW3050B	%REC	Analysis Da	te: 3/18/2 0)24	SeqNo: 68	7700	Qual

Sample ID: LCS-23233	SampType: LCS	TestCode: 6020_S	Units: µg/Kg	Р	rep Date: 3/18/2	024	RunNo: 532	13	
Client ID: LCSS	Batch ID: 23233	TestNo: SW 6020B	SW3050B	Analy	ysis Date: 3/18/2	024	SeqNo: 687	701	
Analyte	Result	PQL SPK value S	SPK Ref Val	%REC Lov	vLimit HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic Lead	4510 4990	1000 5000 250 5000	0 0	90.2 99.9	73.4 120 80 120				-

Analyte detected in the associated Method Blank

S Spike Recovery outside accepted recovery limits

H Holding times for preparation or analysis exceeded

R RPD outside accepted recovery limits

WO#:

2403148

3/20/2024

Client: HRK Engineering

Specialty Analytical

Project: Cherry Hill Estates / Z1-002 TestCode: 6020_S

Sample ID: LCSD-23233	SampType: LCSD	TestCoo	le: 6020_S	Units: µg/Kg		Prep Da	te: 3/18/2 0	24	RunNo: 532	213	
Client ID: LCSS02	Batch ID: 23233	TestN	lo: SW 6020B	SW3050B		Analysis Da	te: 3/18/20	24	SeqNo: 687	702	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	4600	1000	5000	0	92.0	80	120	4508	1.98	20	
Lead	4980	250	5000	0	99.5	80	120	4995	0.344	20	
Sample ID: 2403148-003ADUP	SampType: DUP	TestCoo	le: 6020_S	Units: µg/Kg-c	Iry	Prep Dat	te: 3/18/20	24	RunNo: 532	13	
Client ID: Sample 3	Batch ID: 23233	TestN	lo: SW 6020B	SW3050B		Analysis Da	te: 3/18/20	24	SeqNo: 687	704	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Analyte Arsenic	Result 3760	PQL 1260	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val 3594	%RPD 4.45	RPDLimit 20	Qual

Sample ID: 2403148-003AMS	SampType: MS	TestCoo	de: 6020_S	Units: µg/K	g-dry	Prep Dat	te: 3/18/2024	RunNo: 53213	
Client ID: Sample 3	Batch ID: 23233	TestN	lo: SW 6020B	SW3050B		Analysis Da	te: 3/18/2024	SeqNo: 687705	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit RPD Ref \	al %RPD RPDLimit	Qual
Arsenic	10200	1150	5728	3594	116	70	130		
Lead	19100	286	5728	11150	138	70	130		SMI

Analyte detected in the associated Method Blank

S Spike Recovery outside accepted recovery limits

H Holding times for preparation or analysis exceeded

R RPD outside accepted recovery limits

WO#:

2403148

3/20/2024

Client: HRK Engineering

Specialty Analytical

Project: Cherry Hill Estates / Z1-002 TestCode: 6020_S

Sample ID: 2403148-003AMSD	SampType: MSD	TestCoo	le: 6020_S	Units: µg/Kg	j-dry	Prep Dat	te: 3/18/20	24	RunNo: 532	213	
Client ID: Sample 3	Batch ID: 23233	TestN	lo: SW 6020B	SW3050B		Analysis Da	te: 3/18/20	24	SeqNo: 687	706	
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	10000	1150	5727	3594	112	70	130	10240	2.06	20	
Lead	17100	286	5727	11150	104	70	130	19080	10.8	20	

Sample ID: CCB	SampType: CCB	TestCode: 6020_S	Units: µg/Kg	Prep Date:	RunNo: 53213
Client ID: CCB	Batch ID: 23233	TestNo: SW 6020B	SW3050B	Analysis Date: 3/18/2024	SeqNo: 687710
Analyte	Result	PQL SPK value	SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
Arsenic	ND	100			

Arsenic	ND	100
Lead	ND	25.0

Sample ID: CCB Client ID: CCV	SampType: CCV Batch ID: 23233		e: 6020_S o: SW 6020B	Units: µg/Kg SW3050B		Prep Dat Analysis Dat		24	RunNo: 532 SeqNo: 687		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic Lead	ND ND	100 25.0	5000 5000	0 0	0.244 0.0376	90 90	110 110				S S

Analyte detected in the associated Method Blank

S Spike Recovery outside accepted recovery limits

H Holding times for preparation or analysis exceeded

R RPD outside accepted recovery limits

WO#:

#: **2403148**

3/20/2024

Client: HRK Engineering

Specialty Analytical

Client: Project:	Cherry Hill Estates / Z1-002		TestCode: 6	020_S
Sample ID: ICV	SampType: ICV	TestCode: 6020_S Units: µg/Kg	Prep Date:	RunNo: 53213
Client ID: ICV	Batch ID: 23233	TestNo: SW 6020B SW3050B	Analysis Date: 3/19/2024	SeqNo: 687952
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
Lead	4990	25.0 5000 0	99.8 90 110	
Sample ID: CCB	SampType: CCB	TestCode: 6020_S Units: µg/Kg	Prep Date:	RunNo: 53213
Client ID: CCB	Batch ID: 23233	TestNo: SW 6020B SW3050B	Analysis Date: 3/19/2024	SeqNo: 687955
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
Lead	ND	25.0		
Sample ID: CCV	SampType: CCV	TestCode: 6020_S Units: µg/Kg	Prep Date:	RunNo: 53213
Client ID: CCV	Batch ID: 23233	TestNo: SW 6020B SW3050B	Analysis Date: 3/19/2024	SeqNo: 687959
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
Lead	4960	25.0 5000 0	99.1 90 110	
Sample ID: CCB	SampType: CCB	TestCode: 6020_S Units: µg/Kg	Prep Date:	RunNo: 53213
Client ID: CCB	Batch ID: 23233	TestNo: SW 6020B SW3050B	Analysis Date: 3/19/2024	SeqNo: 687960
Analyte	Result	PQL SPK value SPK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual
Lead	ND	25.0		

Analyte detected in the associated Method Blank

S Spike Recovery outside accepted recovery limits

H Holding times for preparation or analysis exceeded

R RPD outside accepted recovery limits

WO#:

2403148

3/20/2024

Client: HRK Engineering

Specialty Analytical

Project: Cherry Hill Estates / Z1-002 TestCode: 6020_S

 Sample ID: CCB
 SampType: CCB
 TestCode: 6020_S
 Units: μg/Kg
 Prep Date:
 RunNo: 53213

 Client ID: CCB
 Batch ID: 23233
 TestNo: SW 6020B
 SW3050B
 Analysis Date: 3/19/2024
 SeqNo: 687960

Analyte Result PQL SPK value SPK Ref Val %REC LowLimit HighLimit RPD Ref Val %RPD RPDLimit Qual

Sample ID: CCV Client ID: CCV	SampType: CCV Batch ID: 23233	TestCode: 6020_S TestNo: SW 6020B		Units: µg/Kg SW3050B		Prep Da Analysis Da	te: te: 3/19/20 2	24	RunNo: 532 SeqNo: 687		
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Lead	4990	25.0	5000	0	99.8	90	110				

Sample ID: CCB Client ID: CCB	SampType: CCB Batch ID: 23233	TestCode: 6020_S TestNo: SW 6020B	Units: µg/Kg SW3050B	Prep Date: Analysis Date: 3/19/2024	RunNo: 53213 SeqNo: 687969
Analyte	Result	PQL SPK value S	PK Ref Val	%REC LowLimit HighLimit RPD Ref Val	%RPD RPDLimit Qual

Lead ND 25.0

S Spike Recovery outside accepted recovery limits

H Holding times for preparation or analysis exceeded

RPD outside accepted recovery limits



Specialty Analytical 9011 SE Jannsen Rd Clackamas, Oregon 97015 TEL: 503-607-1331 FAX: 503-607-1336

Sample Receipt Checklist

Website: www.specialtyanalytical.com

Client Name HRK_ENGINEE	RING	Work Order Number 2403148								
RcptNo: 1	3/13/2024 1:50:3	0 PM	Received	by: Julie Clay						
Completed by			Rev	iewed by:						
Completed Date:	3/13/2024 1:51:23	<u>PM</u>	Rev	iewed Date:		3/13/2024 4:02:38 PM				
Carrier name: Client										
Chain of custody present? Chain of custody signed when Chain of custody agrees with s Are matrices correctly identified Is it clear what analyses were	ample labels? d on Chain of custody?	Yes Yes	\ \ \ \	No	Not Present					
Custody seals intact on sample Samples in proper container/bo Were correct preservatives use	ottle?		✓	No	Not Present					
Sample containers intact? Sufficient sample volume for in Were container lables complet All samples received within hol	dicated test? e (ID, Pres, Date)?		\ \ \ \	No	IVA					
Was an attempt made to cool of All samples received at a temp Response when temperature is Preservative added to bottles:	. of > 0° C to 6.0° C?	Yes Yes Not req	uired	No 🗹 No 🗹	NA NA					
Sample Temp. taken and reco Water - Were bubbles absent i Water - Was there Chlorine Pr Water - pH acceptable upon re Are Samples considered accep	n VOC vials? esent? ceipt?	Yes Yes Yes		No	To 16 No Vials NA NA	.3°C ✓ ✓				
Custody Seals present? Traffic Report or Packing Lists Airbill or Sticker? Airbill No:		Yes Yes Air Bill		No ✔ No ✔ Sticker □	Not Present	✓				
Sample Tags Present? Sample Tags Listed on COC? Tag Numbers:		Yes Yes		No 🗹						
Sample Condition? Case Number:	SDG:	Intact	✓ S	Broken AS:	Leaking					
Any No and/or NA (not applica	ble) response must be deta	ailed in the comme		usted?	Checked by					



Specialty Analytical 9011 SE Jannsen Rd Clackamas, Oregon 97015 TEL: 503-607-1331 FAX: 503-607-1336

Website: www.specialtyanalytical.com

Sample Receipt Checklist

www.specialtyanalytical.com

Specialty 9011 SE Jannsen Rd					Chain of Custody Record																	
Specialty Analytical Specialty Clackamas, OR 97015 Phone: 503-607-1331 Fax: 503-607-1336			Dat	Date: Page: of:									Laboratory Project No (internal): 2403148									
			Proj	Project Name: Cherry Hills Bs 1948								Te	Temperature on Receipt: /6 3 °C									
dient: HEK Engineering				Proj	Project No: Z/-00-7 PO No:									Cooling: Cools Shipped Via: Chart								
Address: 489 N 3th Street - Suite 201				Collected by: Akxander Pedroza									Custody Seal: Y N Intact / Broken Cooler / Bottle									
City, State, Zip: Hood River, OR, 97031				State Collected: OR WA OTHER									MDL TIER IV EDD									
Telephone: 541-806-3629				Repo	Report To (PM): Alexander Pedroza								Sa	Sample Disposal: Return to client Disposal by lab (after 60 days)								
APEmail: apedroza @ hrhus.com				1	Email:		a per						***************************************		·····							
Sample Name	Sample Date	Sample Time	Sample Matrix*	# of Containers	Asa,	ssted C	ese /											Com	ments	Modt-	<u> </u>	
1 Sample 1	3/12/14	10:30	5	1	×	×	\frown	\neg	\neg	$ \uparrow $		\leftarrow		-1	-/		···	··· _{(m} .			15.00	
2 Sumpe 2	3/12/24					$\langle \ $			_							·		11000				
3 Sumple 3	3/12/24	1				<		\dashv	_		╂											
4 Sumple 4	3/12/04		2		$\overline{\times}$	$\overline{\times}$					ļ	-										
5 Sample 5	3/12/24		5		$\overrightarrow{\Xi}$				-	<u> </u>	_											
6	7/1901	70.50	_2_						_		<u> </u>	ļ									·	
7											ļ						*****					
8						_		_		-	<u> </u>					- · · · · · · · · · · · · · · · · · · ·						
9					_		_			-												
10						_		_		-				_			<u>-</u>					
*Matrix: A=Air, AQ=Aqueous, L=Liquid	O=Oil P=Po	oduct S-S	vi 900-	diment	G - 0-1						<u> </u>											
*Matrix: A=Air, AQ=Aqueous, L=Liquid, O=Oil, P=Product, S=Soil, SD=Sediment, SL= Turn-around Time: Standard:						3 Day: Next Day:						<i>'</i> ;	Same Day:									
Pelinquished X Dete/Time 3//3/2 U Pelinquished Date/Time								Expedited turn-around requests should be coordinated in advance								vance	_					
Relinquished x 0	nguished Date/Time							Rea	Received Date/Time								S 7		-			
P蜡叭quished x	Date/Time						Received Date/Time															



Definition Only

WO#: **2403148**Date: **3/20/2024**

Definitions:

KEY TO FLAGS

A: This sample contains a Gasoline Range Organic not identified as a specific hydrocarbon product. The result was qualified against gasoline calibration standards.

A1: This sample contains a Diesel Range Organic not identified as a specific hydrocarbon product. The result was qualified against diesel calibration standards.

A2: This sample contains a Lube Oil Range Organic not identified as a specific hydrocarbon product. The result was qualified against lube oil calibration standards.

A3: The results was determined to be Non-Detect based on hydrocarbon pattern recognition. The product was carry-over from another hydrocarbon type.

A4: The product appears to be aged or degraded.

B: The blank exhibited a positive result greater than the reporting limit for this compound.

BC: Sample concentration is >10x positive result in blank. Data is considered acceptable.

CN: See Case Narrative.

E: Result exceeds the calibration range for this compound. The result should be considered an estimate.

F: The positive result for this hydrocarbon is due to single component contamination. The product does not match any hydrocarbon in the fuels library.

FS: Follow-up testing is suggested.

G: Result may be biased high due to biogenic interferences. Clean up is recommended.

H: Sample was analyzed outside recommended holding time.

HT:

At client's request, samples was analyzed outside of recommended holding time.

HP: Sample was analyzed outside recommended holding time due to VOA having pH >2.



Definition Only

WO#: **2403148**Date: **3/20/2024**

Definitions:

J: The results for this analyte is between the MDL and the PQL and should be considered an estimated concentration.

K: Diesel result is biased high due to amount of Oil contained in the sample.

L: Diesel result is biased high due to amount of Gasoline contained in the sample.

M: Oil result is biased high due to amount of Diesel contained in the sample.

N: Gasoline result is biased high due to amount of Diesel contained in the sample.

MC: Sample concentration is greater than 4x the spiked value, the spiked value is considered insignificant.

MI: Result is outside control limits due to matrix interference.

NH: Sample matrix is non-homogeneous

MSA: Value determined by Method of Standard Addition.

O: Laboratory Control Standard (LCS) exceeded laboratory control limits but meets CCV criteria. Data meets EPA requirements.

Q: Detection levels elevated due to sample matrix.

R: RPD control limits were exceeded

RF: Duplicate failed due to result being at or near the method-reporting limit.

RP: Matrix spike values exceed established QC limits; post digestion spike is in control.

S: Recovery is outside control limits.

SC: CCV or LCS exceeded high recovery control limits, but associated samples are non-detect. Data meets EPA requirements.



Definition Only

WO#: **2403148**Date: **3/20/2024**

Definitions:

SL: LCS exceeded recovery control limits, but associated MS/MSD passing. Data meets EPA requirements.

SV: CCV exceded low recovery control limits. ND as reported evaluated using EPA method 8260D section 11.4.3.2

TA: Sample treated with ascorbic acid for the removal of thiocyanates.

TS: Sample treated with Sodium Sulfite for the removal of chlorine.