

Report :Underground Tank Decommissioning

Responsible Party:

Main Street Properties LLC

Rick Leatherman

4740 Main Street

Springfield, Oregon 97478

1 EXECUTIVE SUMMARY

On 8/9/2024, KVZ Environmental LLC. decommissioned by removal of a 550 Gallon Underground Waste Oil Tank, and a 1000 Gallon Gasoline Tank. 25 gallons of fluids from waste oil tank were tested for classification, and disposal. The gasoline tank had no liquids and no sludge. After acceptance the waste oil fluids will be taken to ORRCO in Portland. The steel tanks were taken to Cherry City Metals in Salem. Soil Samples from under the tank were taken to Specialty Analytical in Clackamas, Oregon. Testing revealed that there was no diesel, no heavy oil, nor gasoline petroleum in the ground beneath the tanks.

The tanks were installed in 1972, reportedly only used for a few years.

KVZ ENVIRONMENTAL, UNDERGROUND TANK ASSESSMENT SAMPLES

Test method NW HCID

Sample Id and location	Date / Laboratory	Media Type	Diesel	Heavy Oil	Gasoline
2405130-1 1575 – S 72"	5/16/24/ Specialty	Soil	Not detected	Not detected	Not detected
2405130-2 1575 – N 72"	5/16/24/ Specialty	Soil	Not detected	Not detected	Not detected
2405130-1 1575 – S 72"	5/16/24/ Specialty	Soil	Not detected	Not detected	Not detected
2405130-2 1575 – N 72"	5/16/24/ Specialty	Soil	Not detected	Not detected	Not detected

1.1 ANALYSIS OF TESTING RESULTS

KVZ Environmental collected two soil samples under each for the tanks. Using the excavator bucket.

2 WASTE OIL TANK DECOMMISSIONING

Karl Van Zandt, and KVZ Environmental were hired by the property owner Rick Leatherwood to decommission the 550-gallon waste oil tank at 4740 Main St in Springfield, Oregon. The building was leased to a flower delivery company, who never used the tank. The tank was installed in 1970's to assist in the warehouse delivery business that occupied the property over the years. The 550-gallon tank, which was buried 2 feet below the surface of the concrete. The 550-gallon tank is 46 inches in diameter and six feet long. The tank contained 25 gallons of used motor oil. The tank was observed to be a steel tank, and with a few small corrosion holes, at the north end of the tank. The tank sat for so long the motor oil formed a thick paste on the floor of the tank, which prevented motor oil from leaking out of the tank. There was no groundwater in the excavation. The excavation was backfilled with concrete demolition and sand and gravel. The tank and tank pipes we removed were taken to Cherry City Metals in Salem for recycling. An excavation was completed by filling topping off with gravel.

3 GASOLINE TANK DECOMMISSIONING

Karl Van Zandt, and KVZ Environmental were hired by the property owner Rick Leatherwood to decommission the 1000-gallon gasoline tank at 4740 Main St in Springfield, Oregon. The building was leased to a flower delivery company, who never used the tank. The tank was installed in 1970's to assist in the warehouse delivery business that occupied the property over the years. The 1000-gallon tank is 45 inches in diameter and twelve feet long. The tank contained 0 gallons of fuel, 0 gallons of water, and 0 gallons of sludge. The tank was observed to be a steel tank, and with a few small corrosion holes, at the north end of the tank. The cobbles welded strongly against the base of the tank, as part of corrosion process. The tank sat for so long that the gasoline evaporated long ago. There was no groundwater in the excavation. The tank and tank pipes we removed were taken to Cherry City Metals in Salem for recycling. There was no pump for the gas tank which had been removed long ago. The excavation was filled with concrete demolition and sand and gravel. An excavation topped off by filling in with ¾ inch minus gravel.

4 SITE ASSESSMENT

4.1 SITE CHARACTERIZATION

The subject property is an urban light industrial commercial property located in a commercial neighborhood. The tank was decommissioned because the abandoned tank was no longer in use. There is a pending property transaction.

4.1.1 Geology

The ground beneath the subject property is characterized by pit run, with cobbles and sand to a depth of 8 feet.

CONCLUSIONS

The following conclusions are based on **KVZ Environmental Consulting LLC**, knowledge of the subject property from site observations and information gathered during the site characterization.

- Subsurface soils were found to consist of pit run, with cobbles and sand to a depth of 8 feet.
- Analytical soil results indicate the NO petroleum hydrocarbon compounds were present under the tanks.
- The tank was properly decommissioned removal in August of 2024 by KVZ Environmental.
- **There IS NO petroleum contamination** on the property, associated with the two underground tanks. NO Additional cleanup is needed to meet Oregon DEQ Cleanup Standards.

RECOMMENDATIONS

KVZ Environmental Consulting LLC, and Karl Van Zandt recommends the following:

- Given the lack of any significant soil contamination, NO further action is recommended. NO Additional cleanup or soil sampling is necessary.

LIMITATIONS

The services described in this Tank Decommissioning Report were performed consistent with accepted professional principles and practices. No other warranty, expressed or implied, is made. These services were performed consistent with our agreement with our client. This report is solely for the use and information of our client unless otherwise noted. Any reliance on this report by a third party is at such party's sole risk.

Opinions and recommendations contained in this report apply to conditions existing when services were performed and are intended only for the client, purposes, locations, time frames, and project parameters indicated. We are not responsible for the impact of any changes in environmental standards, practices, or regulations after performance of services. We do not guarantee the accuracy of information supplied by others, or the use of segregated portions of this report.

The intent of Tank Decommissioning Report is to evaluate the potential for or the actual impacts, or past practices on a given site area. In performing a Soil Characterization and Testing, it is understood that a balance must be struck between reasonable inquiry into the environmental issues and an exhaustive analysis of each conceivable issue of potential concern.

Assumptions and Parameters:

No investigation is thorough enough to exclude the presence of hazardous materials at a given site. If hazardous conditions have not been identified during the assessment, such a finding should not be construed as a guarantee of the absence of such materials on the site, but as the result of the services performed within the scope, limitations, and cost of the work performed.

Environmental conditions may exist at the site that cannot be identified by visual observation. Where subsurface work was performed, our professional opinions are based in part on interpretation of data from discrete sampling locations that may not represent actual conditions at un-sampled locations.

These conclusions and recommendations are not necessarily the only ones that could be drawn, and other options or opinions may be available to the customer. With the passage of time, the evidence of spills and releases of materials can be obscured or obliterated entirely. It is also possible that some hazardous wastes and hazardous substances will not be identified owing to a variety of factors including inaccessibility to materials, encapsulations, or enclosures, building structures, pavements, and finished work. For all these reasons, **KVZ**

Environmental Consulting LLC does not warrant and cannot represent that the site contains no hazardous or toxic materials or other adverse conditions beyond those reported.

LIABILITY:

The liability of **KVZ Environmental Consulting LLC**, its employees and subcontractors are limited to the client (initial employer) only, and only up to the fee received for the assignment. There is no accountability, obligation, or liability to any third party. If this completed assignment report is placed in the hands of anyone other than the initial client, then such party should be made aware of all limiting conditions.

SIGNATURES OF ENVIRONMENTAL PROFESSIONAL

Karl T. Van Zandt completed this Report.

KVZ Environmental Consulting LLC copyrights this document, and all rights are reserved. The intent of this document is to provide information on past and present environmental conditions of the subject property to the client and his associates. This work may be reproduced by any means, electronic, optical, or mechanical, only to further the original intent.

Additional copies of this document can be made available by contacting **KVZ Environmental Consulting LLC**, karlvanzandt@gmail.com.

Karl Van Zandt Environmental Consulting LLC

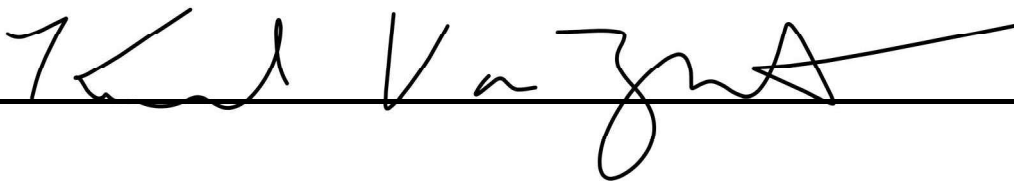
1523 Georgia Ave SE

Salem, Oregon 97302

503.302.4078

karlvanzandt@gmail.com

Karl T. Van Zandt, Senior Environmental Professional Scientist (503) 302-4078

x A handwritten signature in black ink, appearing to read 'Karl Van Zandt', is written over a solid horizontal line. The signature is stylized with a large 'K' and a long horizontal stroke at the end.



OREGON DEPARTMENT OF ENVIRONMENTAL QUALITY UNDERGROUND STORAGE TANK PROGRAM

UNDERGROUND STORAGE TANK DECOMMISSIONING CHECKLIST AND SITE ASSESSMENT REPORT

A. FACILITY INFORMATION:

This report **MUST** be submitted by the underground storage tank permittee or tank owner, or the licensed DEQ Service Provider on their behalf, **within 30 days following completion of the tank decommissioning or change-in-service regardless of ongoing cleanup work.**

DEQ FACILITY NUMBER: Pending 12750

FACILITY NAME: Main Street Properties

FACILITY ADDRESS: 4740 Main Street Sprngfield, Oregon

PERMITTEE PHONE: 503-781-7825 DATE: 8/17/2024

B. WORK PERFORMED BY:

The checklist and site assessment report should be completed and signed by the DEQ licensed supervisor and signed by an executive officer of the DEQ licensed Service Provider on page 6. The tank owner or permittee must review and sign the report on page 6. **NOTE: AN OWNER OR PERMITTEE MAY PERFORM UST SERVICES ONLY IF THEY HAVE TAKEN AND PASSED THE APPROPRIATE UST SUPERVISOR EXAMINATION OFFERED BY A NATIONAL TESTING SERVICE (SEE OAR 340-150-0156 for requirements).**

DEQ Service Provider's License #: 27577 Construction Contractors Board License #: 1020000

Name: Karl Van Zandt KVZ Environmental

Telephone: 503.302.4078

DEQ Decommissioning Supervisor's License #: 14275

Name: Karl Van Zandt

Telephone: 503.302.4078

DEQ Soil Matrix Service Provider's License #: _____ (If applicable)

Name: _____

Telephone: _____

DEQ Soil Matrix Supervisor's License #: _____ (If applicable)

Name: _____

Telephone: _____

C. DATES:

Decommissioning/Change-in-Service Notice - Date Submitted: _____

Work Start Telephone Notice - Number issued by DEQ: 20

DEQ Person Notified: Dave Pardue

Date Work Started: 8/8/2024 Date Work Completed: _____

Note: Provide the following information if any soil or water contamination is discovered during the service. Contamination must be reported by the UST permittee within 72 hours after discovery unless previously reported.

Date Contamination Reported: _____ By: _____

DEQ Person Notified: _____

D. OTHER DEQ PERMITS MAY BE NEEDED WHERE SOIL OR WATER CONTAMINATION IS DISCOVERED:

DEQ Water Discharge Permit #: _____ Date: _____

Water Disposed to (Location): _____

DEQ Solid Waste Disposal Permit #: _____

Soil Disposal or Treatment Location: _____

E. TANK INFORMATION:

TANK ID #	DEQ-UST PERMIT #	TANK SIZE IN GALLONS	PRODUCT: GASOLINE, DIESEL, USED OIL, OR OTHER?	
			PRESENT	NEEDS TO BE CHANGED?
1		1000	empty	gasoline
2		550	waste oil	waste

NOTE 1: Where decommissioned tank(s) are replaced by new tanks, submit a *Permit Registration Form to Install and Operate USTs* containing information on the new tanks.

NOTE 2: Submit a soil sampling plan to the DEQ regional office if 1) tank contents are changed to a non-regulated use, 2) tank contents are changed to a non-regulated use, 3) tank decommissioned in-place, 2) tank contents are changed to a non-regulated use, petroleum, or 4) tank changed to non-regulated use.

ed: 4/2/2024 (30 days before work starts).
 0-3D-24-029 (3 working days before work starts).
 mpleted: 8/8/2024
 nation is found during the decommissioning or change-in-
 n 24 hours. The licensed service provider must report
 orted.

L OR WATER CLEANUP IS REQUIRED.

: _____

 Date: _____

INE, IL, EW	CLOSURE OR CHANGE-IN- SERVICE?			TANK TO BE REPLACED?	
	TANK REMOVAL	CLOSURE IN PLACE♦	CHANGE IN SERVICE♦	YES	NO
line	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e oil	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

nderground storage tanks the UST permittee must submit a *General*
 information on the new tanks 30 days before installing them.
 and receive plan approval prior to starting work if 1) tank is to be
 regulated substance, 3) tank contains a regulated substance other than

F. DISPOSAL INFORMATION:

TANK ID #	TANK AND PIPING DISPOSAL METHOD			
	SCRAP	LAND- FILL	OTHER	IDENTIFY LOCATION & PROPERTY OWNER
1	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cherry City Metals
2	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Cherry City Metals
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

NOTE 1: The tank contents, the tank and the piping may be subject to environmental regulations. If you have any questions, contact the DEQ regional office for your area.

NOTE 2: Attach copies of the disposal receipts for the tanks and piping. Include the name, address and phone number of the person or business receiving the tanks and piping.

NOTE 3: Attach copies of the disposal receipts for the disposal of the tanks and piping.

G. CONTAMINATION INFORMATION:

TANK ID #	GROUND WATER IN PIT ?	PRODUCT ODOR IN SOIL ?	PRODUCT STAINS IN SOIL ?	NUMBER OF SAMPLES
1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

NOTE 1: Attach a copy of the laboratory report showing the results of the soil analysis. The report must identify sample collection methods, sample location, sample depth, sample date, sample temperature during transportation, types of tests, and copies of analytical results. Include the laboratory name, address and copies of chain-of-custody forms.

NOTE 2: If contamination is detected and a Level 2 or Level 3 soil analysis is required, include a soil matrix analysis including methods of determining soil type, depth, and location.

	DISPOSAL LOCATION OF TANK CONTENTS	
	LIQUIDS	SLUDGES
ON IER		
	NONE	NONE
	Orrco	Orrco

t to the requirements of Hazardous Waste regulations. If you have

ping. If the tanks are shipped off-site for reuse provide the name,
tanks for reuse.


treatment of liquid or sludge removed from the tanks

	LABORATORY (NAME, CITY, STATE, PHONE)
	Specialty Analytical Clackamas, Or 503-601-1331
	Specialty Analytical Clackamas, Or 503-601-1331

ts of all tests on all soil and water samples. The laboratory report
depth, sample type (soil or water), type of sample container, sample
ytical laboratory reports, including QA/QC information. Include

il matrix cleanup standard is applied to the site, attach a copy of the
pth to groundwater, and sensitivity of uppermost aquifer.

H. SITE SKETCH: (Show location of adjacent roads, proposed location of building, general direction of ground slope and soil sample locations. See separate drawing.)



property lines, structures, dispensers, & all USTs. Show North,
Sketch does not need to be drawn to scale. You may attach a

I. SAFETY EQUIPMENT ON JOB SITE:

Fire Extinguisher:	Type/Size: <u>10 lb ABC</u>
Combustible Gas Detector:	Model: <u>MultiRea Plus</u>
Oxygen Analyzer:	Model: <u>MultiRea plus</u>

J. DECOMMISSIONING:

All Tanks: N/A = Not Applicable (Check (√) Appropriate)
1. All electrical equipment grounded and explosion proof?
2. Safety equipment on job site?
3. Overhead electrical lines located?
4. Subsurface electrical lines off or disconnected?
5. Natural gas lines off or disconnected?
6. No open fires or smoking material in area?
7. Vehicle and pedestrian traffic controlled?
8. Excavation material area cleared?
9. Rainwater runoff directed to treatment area?
10. Drained and collected product from lines?
11. Removed product and residual from tank?
12. Cleaned tank?
13. Excavated to top of tank?
14. Removed tank fixtures? (pumps, leak detection equipment)
15. Removed product, fill and vent lines?

K. TANK ABANDONMENT IN-PLACE:

All Tanks: N/A = Not Applicable (Check (√) Appropriate)
16. Sampling plan approved by DEQ? Date: _____ DEQ Staff: _____
17. Contamination concerns fully resolved?
18. Fill Material? Type: _____

Recharge Date:	3/21/2024
Calibration Date:	4/10/2024
Calibration Date:	4/10/2024

te Box)	YES	NO	UNKNOWN	N/A
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
t)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

te Box)	YES	NO	UNKNOWN	N/A
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

L. TANK REMOVAL:

All Tanks: N/A = Not Applicable (Check (✓) Appropriate)
19. Tank placement area cleared, chocks placed?
20. Purged or ventilated tank to prevent explosion? Method used: <u>Ventilated</u> Meter reading: <u>0 % LEL</u>
21. Were chains or steel cables wrapped around tank for removal?
22. Tank removed, set on ground, blocked to prevent movement?
23. Tank set on truck and secured with straps(s)?
24. Tank labeled before leaving site?

M. SITE ASSESSMENT:

All Tanks: N/A = Not Applicable (Check (✓) Appropriate)
25. Site assessed for contamination? See OAR 340-122-0340
26. Soil samples taken and analyzed?
27. Was contamination found? Date/Time: _____
28. Was hazardous waste determination made for tank contents (Liquids/sludges)?

N. REQUIRED SIGNATURES:

I have personally reviewed this decommissioning checklist and all items on it to be true and complete.

Permittee or Tank Owner: Main Street Properties, LLC by _____
(Please Print)

Permittee or Tank Owner: Rick Leatherman
DocuSigned by: _____
71B6D3A0DF68322 (Signature)

I have personally reviewed this decommissioning checklist and all items on it to be true and complete.

Licensed Supervisor: Karl Van Zandt
(Please Print)

Licensed Supervisor: Karl Van Zandt
(Signature)

I have personally reviewed this decommissioning checklist and all items on it to be true and complete.

Executive Officer: Karl Van Zandt
Licensed Service Provider (Please Print)

Executive Officer: Karl Van Zandt
Licensed Service Provider (Signature)

Box)	YES	NO	UNKNOWN	N/A
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
val?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
ent?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

e Box)	YES	NO	UNKNOWN	N/A
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ts	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

and site assessment report and the attachments and find

Rick Leatherman, Member

Date: August 19, 2024

and site assessment report and the attachments and find

Date: 8/17/2024

and site assessment report and the attachments and find

Date: 8/17/2024

O. REPORT FILING:

This report signed by the permittee or tank owner, licensed supervisor, must be complete with all applicable attachments, must be filed with the DEQ regional office prior to filing this report where special circumstances exist (e.g., the tank is backfilled or change-in-service is complete. **Do not wait** until the DEQ regional office prior to filing this report where special circumstances exist (e.g., remaining pockets of contamination, etc.).

P. HELP WITH THIS REPORT:

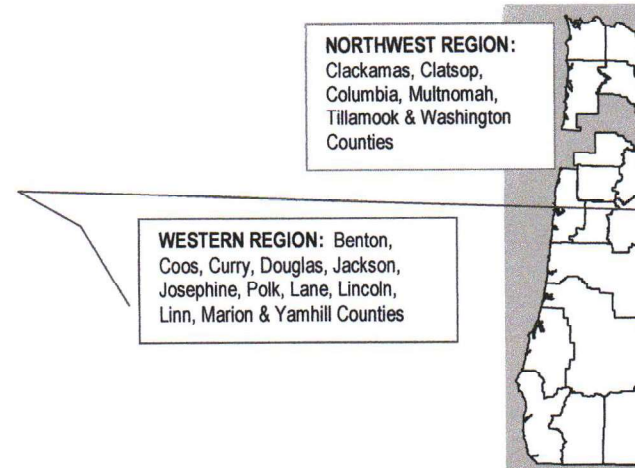
If you have any questions about this decommissioning checklist, please contact your Regional Office. You can also phone the UST Program's toll-free number for calls made within Oregon. Underground Storage Tank (UST) Program. You can also send an e-mail to tanks.info@deq.state.or.us. regarding tank decommissioning or change-in-service requirements.

Q. COPIES OF THE GENERAL PERMIT TO DECOMMISSION:

Obtain copies of the general permit to decommission or commission a UST. Obtain copies of the UST Program rules and laws and UST Cleanup rules and laws at:

1. Any of the DEQ offices listed below,
2. By calling the UST HELPLINE at 1-800-742-7878,
3. Send an e-mail to tanks.info@deq.state.or.us or
4. Downloading from the UST home page at:

<http://www.deq.state.or.us/lq/tanks/ust/index.htm>



EASTERN REGION / BEND

475 NE BELLEVUE, SUITE 110
BEND, OR 97701
Phone: 541-388-6146
Fax: 541-388-8283

NORTHWEST REGION

700 NE MULTNOMAH ST.
PORTLAND, OR 97232
Phone: 503-229-5263
Fax: 503-229-6945

WESTERN REGION

381 N SECOND STREET
COOS BAY 97420
Phone: 541-269-2721
Fax: 541-269-7984

WESTERN REGION

165 EAST 7TH AVE
EUGENE, OR 97401
Phone: 541-686-7838
Fax: 541-686-7551

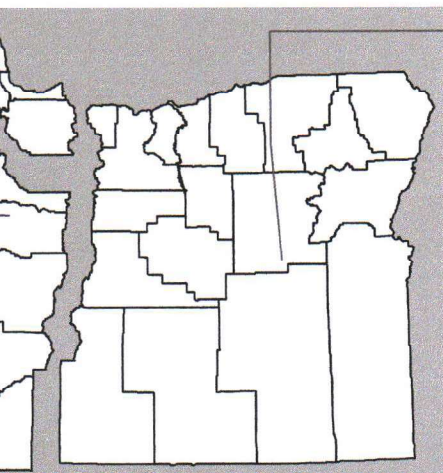
Supervisor and executive officer of the Service Provider,
the DEQ regional office within 30 days after the excavation
until any site related cleanup project is completed. Contact
all circumstances exist at the site (such as water in pit,

After the initial site assessment report, please phone your DEQ
toll-free number, 1-800-742-7878. This is a message answering
The Tank Program staff will return your calls within 24 hours.

Our regional staff are also available to answer questions
and comments (see below for telephone numbers).

MISSION OR COMPLETE A CHANGE-IN-SERVICE:

Complete a change-in-service conditions and requirements, UST



**EASTERN
REGION:**

Baker, Crook,
Deschutes,
Gilliam, Grant,
Harney, Hood
River, Jefferson,
Klamath, Lake,
Malheur,
Morrow,
Sherman,
Umatilla, Union,
Wasco, Wheeler
& Wallowa
Counties

COOS BAY
EET

WESTERN REGION / MEDFORD
221 STEWART AVE., SUITE 201
MEDFORD, OR 97501
Phone: 541-776-6010
Fax: 541-776-6262

EUGENE
, SUITE 100

KARL VAN ZANDT ENVIRO

1523 Georgia Ave S
503.302

Karlvanzandt@

Salem, O
Serving the Mid-W

Licenses: DI

Date: 8/8/24

Oil Recovery and Recycling

The 1000 gallon gasoline tank was empty and dry, with

The 550 gallon waste oil tank had 25 gallons of used oil.
Lardon Road NE Salem, pending acceptance at Orrco. T
Appears not to be hazardous.

Tank Disposal

The two steel tanks were taken to Cherry City Met

Karl Van Zandt

recycling certification

ONMENTAL CONSULTING

E, Salem, Oregon

.4078

@gmail.com

Oregon

Willamette Valley

EQ 27551

no liquids or sludges.

l and sludge. The waste oil is being held at 5604
The hazardous waste characterization is complete.

als for recycling on 8/9/24.



I agree to indemnify and hold harmless Cherry City Metals against all claims and



Material Purchase Ticket

Ticket # **1314763**

Date: 8/9/24 8:35 am
Scale: Truck Inbound
Weighmaster Andy

Page 1 of 1
Tracking ID 546jgq

Tare	Net LB	Price UM	Total
0.00	1,580.0 LB	125.000 Ton	98.75
Weight	14,480.0 LB		
Weight	12,900.0 LB		
Weight	1,580.0 LB		
Weight	1,580.0 LB		
Weight	0.0 LB		
Total Payment (Cash) -			\$98.75

regulatory and environmental reasons. I warrant that the materials I am selling contain any of the materials described on the list or contain hazardous or regulated materials. I warrant that all materials, including tanks, sealed motors and metal parts, are free of asbestos, lead, mercury, and other hazardous materials. I warrant that any items that contained ozone depleting compounds such as

This transaction is not, to the best of my knowledge, stolen property. I understand the consequences in court. I acknowledge that for the payment I received in full, I sell and deliver the materials to the buyer. Perry City Metals is not responsible for the accidents to the materials or to

damages and expenses arising out of any breach of these warranties.



Reliance Letter

Date: 8/17/24

Umpqua Bank
Real Estate Valuation Services - REVS 1301
A Street Suite 800
Tacoma, WA 98402

Attention: Environmental Risk Officer
Umpqua Bank Real Estate Valuations

RE:

KVZ Environmental (Consultant) for Main Street Properties, dated 8/17/24 (the "Report") for the property which has an address of 4740 Main Street Springfield, Oregon (the "Property")

To whom it may concern:

We understand that Umpqua Bank and/or its affiliates (collectively and individually "Umpqua Bank") may make a loan or acquire an interest in a loan which will be secured, in part, by a mortgage or deed of trust on the Property. We hereby authorize Umpqua Bank to rely on the Report (or Reports) referenced above to the same extent as if Umpqua Bank were original addressee thereof; provided, however, that Umpqua Bank shall be deemed not to be subject to or bound by any of the obligations of any original addressee or owner of the Property in any agreement related to the Report, including but not limited to any obligation to provide Consultant with information about the Property or to indemnify Consultant. In addition, Umpqua Bank shall not be bound by any provision of any agreement related to the Report which limits Consultant's liability to an amount less than \$2,000,000 per occurrence, and the amount of coverage provided by Consultant's professional liability and commercial general liability insurance policies must be at least \$2,000,000 per occurrence.

We further state that the investigation summarized in the Report was conducted using the level of skill and care as would be used by competent professionals in the industry for similar projects and under similar circumstances, conforms with the guidelines set forth in ASTM Standard E 1527-21 or the current version of such standard, and constitutes EPA's All Appropriate Inquiry into the environmental condition of the Property. Based solely upon our investigation and subject to the investigation limitations set forth in the Report, we are of the opinion that there is no likelihood of Recognized Environmental Conditions or potential for significant environmental liabilities associated with the Property and no further investigative work is recommended in order to evaluate the environmental condition of the property.

Sincerely,

A handwritten signature in black ink that reads "KARL Van ZANDT". The signature is written in a cursive, slightly stylized font.

By: Karl Van Zandt Date: 8/17/24 Title: Owner



Oregon

Tina Kotek Governor

May 15, 2023

Karl T Van Zandt
1523 Georgia Ave SE
Salem OR 97302

RE: UST Supervisor License

You are licensed by the State of Oregon to s
tank services while employed by a licensed U
supervise specific regulated activities are

Licensed Services	Lic Nbr
Decommissioning	14275
Heating Oil Tanks	26959

Your license(s) are issued under the provisi
and OAR 340-162-005 through 340-162-150.

The identification card below serves as proo
available for inspection when performing UST

If you have questions concerning your licens
(503) 229-6652 or toll free (in Oregon) (800

Sincerely,

David Livengood

David Livengood
UST Program Manager
Land Quality Division

Karl T Van Zandt
1523 Georgia Ave SE
Salem OR 97302

LICENSED SERVICES	LIC #	EXPIRES
Decommissioning	14275	05/08/2
Heating Oil Tanks	26959	01/25/2

Karl Van Zandt
Supervisor Signature



Department of Environmental Quality
Land Quality Division – Underground Storage Tanks
700 NE Multnomah Street, Suite 600
Portland, OR 97232
(503) 229-6652
FAX (503) 229-6977

Supervise regulated underground storage
ST Service Provider. Your license(s) to
valid until the expiration date(s) below.

Expiration

05/08/2025
01/25/2025

ons of OAR 340-160-005 through 340-160-150

f of current licensing and must be
Supervisor activities.

e please contact Steve Paiko at
) 452-4011.



S
2025
2025

**UNDERGROUND STORAGE
TANK
HEATING
OIL
SERVICE PROVIDER**

This License is issued by the Oregon Department of Environmental Quality

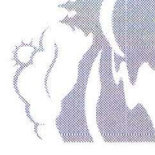
KVZ Environmental Services, Inc.
1523 George Street
Salem, Oregon 97301

This license authorizes the above named company to perform site assessments including site assessment on active or inactive hazardous waste sites in accordance with the requirements of the Oregon Health Division, Chapter 333, Division 01, and the Oregon Department of Environmental Quality, Chapter 335, Division 01.

License No. 27551

Issued: 02/15/2024

Expires: 02/15/2025



DEQ

State of Oregon
Department of
Environmental
Quality

In accordance with OAR 340-163-0010, the licensee must:

- Comply with all applicable rules and regulations
- Certify that services have been performed in accordance with the license
- Maintain registration with the Oregon Department of Environmental Quality
- Maintain insurance in accordance with the license
- Provide proof of license to the client
- Maintain current address and contact information
- Report confirmed releases to the Oregon Department of Environmental Quality
- Ensure licensed Supervisors are properly trained and certified

License renewal applications must be submitted to the Oregon Department of Environmental Quality.

HEATING OIL TANK PROGRAM

OIL TANK SERVICE PROVIDER LICENSE

Department of Environmental Quality to:

Environmental Consulting LLC

10000 NE Oregon Ave SE

Portland, OR 97302

Company to perform heating oil tank services,
including heating oil tanks, decommissioning and cleanup,
in accordance with OAR 340-163-0020.

Expires 01/20/2025

Authorized By: Mark Drouin

Mark Drouin

Acting UST Program Manager

20, a Heating Oil Tank Service Provider must:

comply with applicable federal, state, or local regulations
and have been conducted in compliance with regulations
of the Oregon Construction Contractors Board (as required)
in accordance with OAR 340-163-0050

upon request

as on file with the Department

within 72-hours of discovery

inspector is on site at appropriate times or stop work

submitted 30 days prior to expiration date, OAR 340-163-0030(4)(a)

UST SERVICE PRO

This License is Issued by the Oregon D

KVZ Environmen
1523 Georg
Salem OR

You Are Licensed to Offer the Following U

License Type

License N

=====

=====

UST Services

275

**A Licensed Underground Storage T
at a Site to Perform**



Authorized by: David L
David Liveng
UST Program

A Copy of this License Shall be Available For I

PROVIDER LICENSE

Department of Environmental Quality to:

Environmental Consulting
12345 Ave SE
Portland, OR 97302

Underground Storage Tank (UST) Services:

Number	Issued	Expires
=====	=====	=====
12345677	05/15/2023	05/15/2025

Tank Supervisor Must be Present
for These Services.

David Good

David Good
Site Manager



State of Oregon
Department of
Environmental
Quality

Inspection at All Sites Involving UST Work.

Updated: 04-17-20



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

2/1/2024

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Hollywood Insurance Services LLC 4421 NE Sandy Blvd Portland OR 97232		CONTACT NAME: PHONE (A/C, No, Ext): FAX (A/C, No): E-MAIL ADDRESS: INSURER(S) AFFORDING COVERAGE INSURER A: GuideOne National Insurance Company INSURER B: INSURER C: INSURER D: INSURER E: INSURER F:		NAIC # 14167
INSURED Karl Van Zandt Environmental Consulting LLC 1523 Georgia Ave SE Salem, OR 97302				

COVERAGES**CERTIFICATE NUMBER:****REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSD WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:		ENV562012934-01	01/20/2024	01/20/2025	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 50,000 MED EXP (Any one person) \$ 5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COM/PROP AGG \$ 2,000,000 \$
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY					COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
	UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED \$ RETENTION \$					EACH OCCURRENCE \$ AGGREGATE \$ \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) <input type="checkbox"/> Y/N If yes, describe under DESCRIPTION OF OPERATIONS below	N/A				PER STATUTE <input type="checkbox"/> OTH-ER <input type="checkbox"/> E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
A	Contractors Pollution Liability		ENV562012934-01	01/20/2024	01/20/2025	Each Claim Aggregate \$1,000,000 \$2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

**Evidence Only

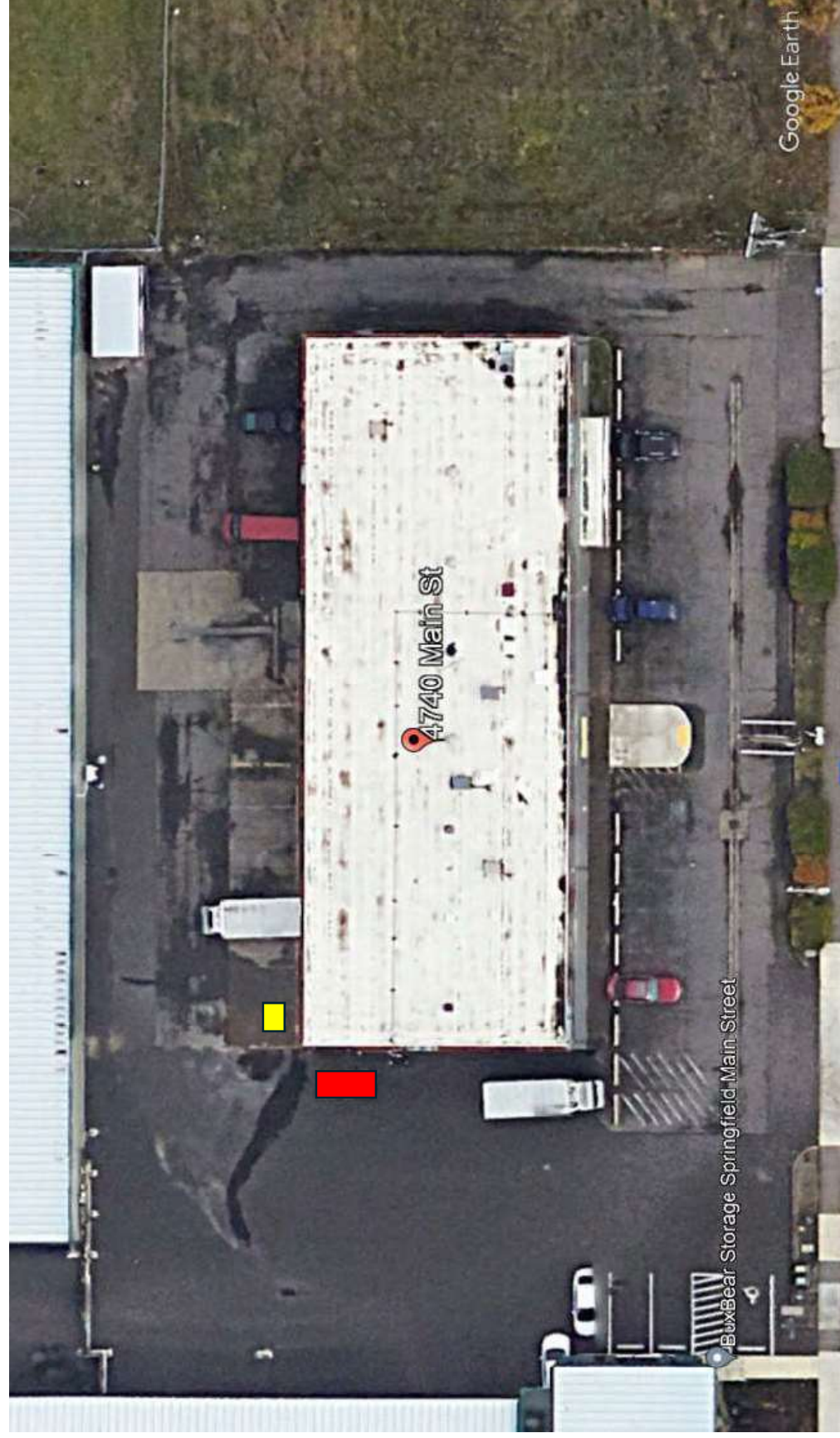
CERTIFICATE HOLDER**CANCELLATION**OREGON DEQ
700 NE MULTNOMAH BLVD
STE 600
Portland OR 97232

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

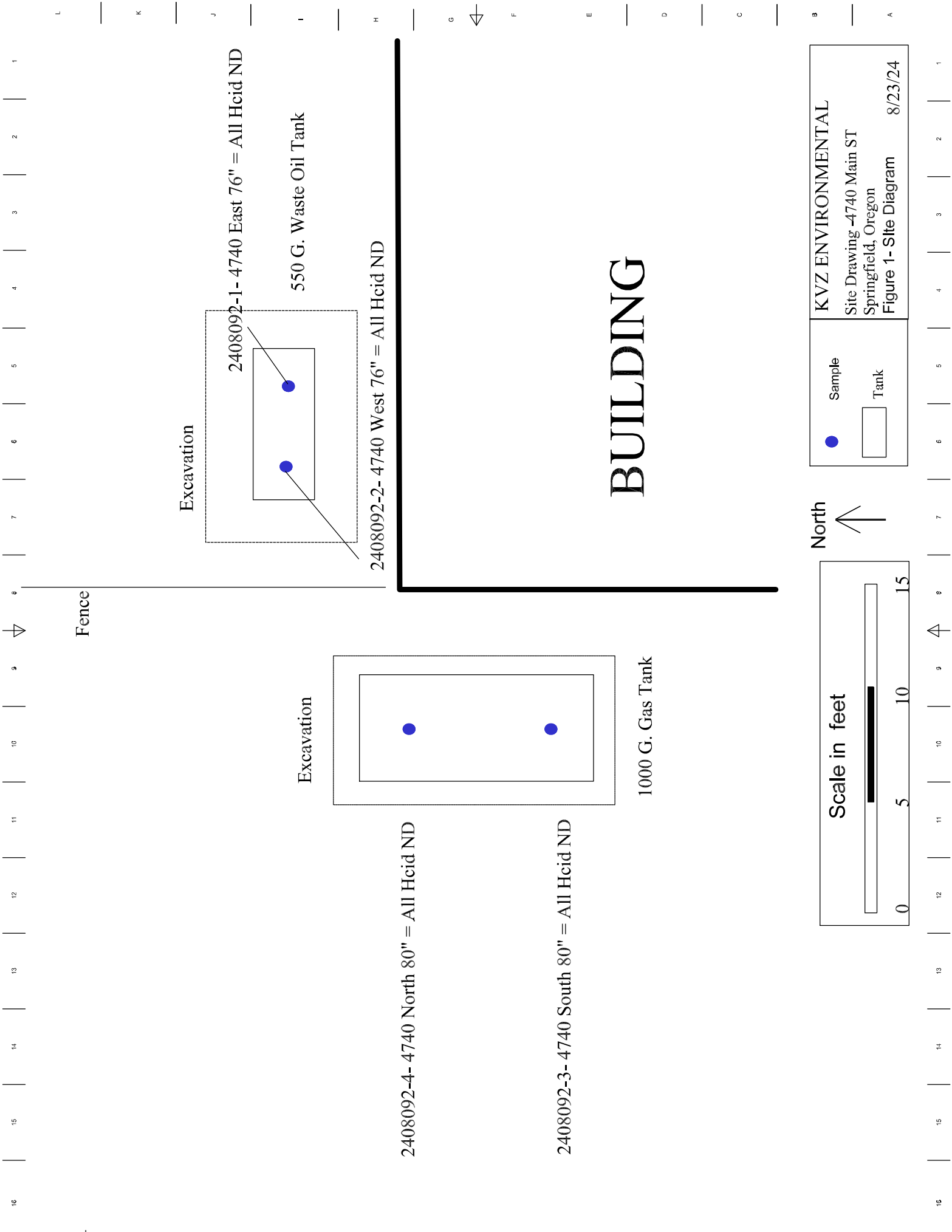
AUTHORIZED REPRESENTATIVE



Street Map for 4740 Main St, subject property is the red box.



Aerial View of the tanks. The red box is the gas tank. The yellow box the waste oil tank.





View of the 1000 Gallon gas tank location.



View of the base of the 1000 gallon gasoline tank.



View of the marking identifying buried waste oil tank.



View of the concrete cutting above the waste oil tank.



View of the gasoline tank excavation after removal/



View of the gasoline tank base after removal.



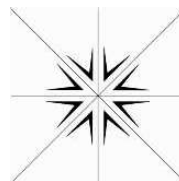
View of the 550 gallon waste oil tank, cut open and cleaned.



View the base of the waste oil tank.



View of the two tanks loaded on trailer to be hauled off to be recycled at Cherry City Metals



August 14, 2024

Karl VanZandt

Karl VanZandt

1523 Georgia Ave SE

Salem, OR 97302

TEL: (503) 302-4078

FAX:

RE: 4740 Main

Dear Karl VanZandt:

There were no problems with the analysis and all data met the specifications, except where noted in the Case Narrative. The results apply only to the samples analyzed. Without approval, the report is only permitted in its entirety.

If you have any questions regarding these tests, please contact the analyst.

Specialty Analytical

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

Website: www.specialtyanalytical.com

Order No.: 2408092

ta for associated QC met EPA or laboratory
tive, or as qualified with flags. Results
al of the laboratory, the reproduction of this

se feel free to call

If you have any questions regarding these tests, please

Sincerely,

A handwritten signature in black ink, appearing to read 'Marty French', written in a cursive style.

Marty French
Lab Director

Specialty Analytical

CLIENT: Karl VanZandt
Project: 4740 Main

Lab ID: 2408092-001
Client Sample ID 4740-E76

Analyses	Result	R
NWTPH-HCID		
Gasoline	ND	2
Mineral Spirits	ND	2
Kerosene	ND	6
Diesel	ND	6
Lube Oil	ND	
Hydraulic Oil	ND	
Surr: BFB	41.2	50 -
Surr: o-Terphenyl	61.7	50 -

Lab ID: 2408092-002
Client Sample ID 4740-W76

Analyses	Result	R
----------	--------	---

WO#: 2408092

Date Reported: 8/14/2024

Matrix: SOIL

Collection Date: 8/8/2024 12:30:00 PM

RL	Qual	Units	DF	Date Analyzed
		NWHCID	NWHCID	Analyst: MB
27.6		mg/Kg-dry	1	8/12/2024 7:25:16 PM
27.6		mg/Kg-dry	1	8/12/2024 7:25:16 PM
99.0		mg/Kg-dry	1	8/12/2024 7:25:16 PM
99.0		mg/Kg-dry	1	8/12/2024 7:25:16 PM
138		mg/Kg-dry	1	8/12/2024 7:25:16 PM
138		mg/Kg-dry	1	8/12/2024 7:25:16 PM
150	SMI	%Rec	1	8/12/2024 7:25:16 PM
150		%Rec	1	8/12/2024 7:25:16 PM

Matrix: SOIL

Collection Date: 8/8/2024 12:40:00 PM

RL	Qual	Units	DF	Date Analyzed
----	------	-------	----	---------------

NWTPH-HCID

Gasoline	ND	2
Mineral Spirits	ND	2
Kerosene	ND	5
Diesel	ND	5
Lube Oil	ND	
Hydraulic Oil	ND	
Surr: BFB	78.5	50 -
Surr: o-Terphenyl	96.9	50 -

	NWHCID	NWHCID	Analyst: MB
23.0	mg/Kg-dry	1	8/12/2024 7:48:16 PM
23.0	mg/Kg-dry	1	8/12/2024 7:48:16 PM
67.6	mg/Kg-dry	1	8/12/2024 7:48:16 PM
67.6	mg/Kg-dry	1	8/12/2024 7:48:16 PM
115	mg/Kg-dry	1	8/12/2024 7:48:16 PM
115	mg/Kg-dry	1	8/12/2024 7:48:16 PM
150	%Rec	1	8/12/2024 7:48:16 PM
150	%Rec	1	8/12/2024 7:48:16 PM

Specialty Analytical

CLIENT: Karl VanZandt
Project: 4740 Main

Lab ID: 2408092-003
Client Sample ID 4740-S80

Analyses	Result	R
NWTPH-HCID		
Gasoline	ND	2
Mineral Spirits	ND	2
Kerosene	ND	6
Diesel	ND	6
Lube Oil	ND	
Hydraulic Oil	ND	
Surr: BFB	54.8	50 -
Surr: o-Terphenyl	77.4	50 -

Lab ID: 2408092-004
Client Sample ID 4740-N80

Analyses	Result	R
----------	--------	---

WO#: 2408092

Date Reported: 8/14/2024

Matrix: SOIL

Collection Date: 8/8/2024 1:15:00 PM

RL	Qual	Units	DF	Date Analyzed
		NWHCID	NWHCID	Analyst: MB
24.3		mg/Kg-dry	1	8/12/2024 8:33:16 PM
24.3		mg/Kg-dry	1	8/12/2024 8:33:16 PM
60.7		mg/Kg-dry	1	8/12/2024 8:33:16 PM
60.7		mg/Kg-dry	1	8/12/2024 8:33:16 PM
121		mg/Kg-dry	1	8/12/2024 8:33:16 PM
121		mg/Kg-dry	1	8/12/2024 8:33:16 PM
150		%Rec	1	8/12/2024 8:33:16 PM
150		%Rec	1	8/12/2024 8:33:16 PM

Matrix: SOIL

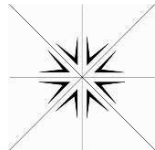
Collection Date: 8/8/2024 1:20:00 PM

RL	Qual	Units	DF	Date Analyzed
----	------	-------	----	---------------

NWTPH-HCID

Gasoline	ND	2
Mineral Spirits	ND	2
Kerosene	ND	5
Diesel	ND	5
Lube Oil	ND	
Hydraulic Oil	ND	
Surr: BFB	78.6	50 -
Surr: o-Terphenyl	89.3	50 -

	NWHCID	NWHCID	Analyst: MB
21.7	mg/Kg-dry	1	8/12/2024 8:56:16 PM
21.7	mg/Kg-dry	1	8/12/2024 8:56:16 PM
64.2	mg/Kg-dry	1	8/12/2024 8:56:16 PM
64.2	mg/Kg-dry	1	8/12/2024 8:56:16 PM
108	mg/Kg-dry	1	8/12/2024 8:56:16 PM
108	mg/Kg-dry	1	8/12/2024 8:56:16 PM
150	%Rec	1	8/12/2024 8:56:16 PM
150	%Rec	1	8/12/2024 8:56:16 PM



C
TEL: 503-607-1
Website: www

Client: Karl VanZandt			
Project: 4740 Main			
Program Name	Sample ID	ClientSampleID	Matrix
ORELAP	2408092-001A	4740-E76	Soil

2408092-002A 4740-W76

2408092-003A 4740-S80

Specialty Analytical
9011 SE Jannsen Rd
Clackamas, Oregon 97015
503-607-1336 FAX: 503-607-1336
www.specialtyanalytical.com

Accreditation Program Analytes Report

WO#: 2408092

14-Aug-24

Test Name	Analyte	Status
NWTPH-HCID	Kerosene	A
	Mineral Spirits	A
	Gasoline	A
	Lube Oil	A
	Hydraulic Oil	A
	Diesel	A
	Diesel	A
	Mineral Spirits	A
	Lube Oil	A
	Gasoline	A
	Kerosene	A
	Hydraulic Oil	A
	Diesel	A

ACCRED
ORELAP A Accredited A

Gasoline	A
Hydraulic Oil	A
Kerosene	A
Lube Oil	A
Mineral Spirits	A
Mineral Spirits	A
Gasoline	A
Kerosene	A
Diesel	A
Lube Oil	A
Hydraulic Oil	A

Specialty Analytical

Client: Karl VanZandt
Project: 4740 Main

Sample ID: MB-24195	SampType: MBLK	TestCode: HClD_NW	Units: m
Client ID: PBS	Batch ID: 24195	TestNo: NWHCID	NWHCID
Analyte	Result	PQL	SPK value
Gasoline	ND	20.0	SPK Ref Val
Mineral Spirits	ND	20.0	
Kerosene	ND	50.0	
Diesel	ND	50.0	
Lube Oil	ND	100	
Hydraulic Oil	ND	100	

QC SUMMARY REPORT

WO#: 2408092
8/14/2024

TestCode: HCID_NW

g/Kg	Prep Date: 8/9/2024	RunNo: 55169
	Analysis Date: 8/12/2024	SeqNo: 715124
%REC	LowLimit	HighLimit
	RPD Ref Val	%RPD
		RPDLimit
		Qual

Hydraulic Oil
Surr: BFB
Surr: o-Terphenyl

100.0
100.0

99.1
99.2

Sample ID: 2408092-002ADUP		SampType: DUP	TestCode: HCID_NW	Units: m
Client ID: 4740-W76	Batch ID: 24195		TestNo: NWHCID	NWHCID
Analyte	Result	PQL	SPK value	SPK Ref Val

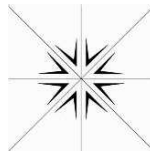
Gasoline	ND	22.6
Mineral Spirits	ND	22.6
Kerosene	ND	56.5
Diesel	ND	56.5
Lube Oil	ND	113
Hydraulic Oil	ND	113

Qualifiers:	H	Holding times for preparation or analysis exceeded	S	Spike Recovery outside accept
-------------	---	--	---	-------------------------------

99.1 50 150
99.2 50 150

mg/Kg-dry		Prep Date: 8/9/2024		RunNo: 55169		
		Analysis Date: 8/12/2024		SeqNo: 715127		
%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
			0	0	20	
			0	0	20	
			0	0	20	
			0	0	20	
			0	0	20	
			0	0	20	

ated recovery limits



Sp
90
Clackam
TEL: 503-607-1331 F
Website: www.spec

Client Name: VANZANDT_KARL

RcptNo: 1

Date and Time Received 8/9/2024 2:40:05

Completed by

Completed Date: 8/9/2024

Carrier name: Client

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Are matrices correctly identified on Chain of custody?	Yes
Is it clear what analyses were requested?	Yes
Custody seals intact on sample bottles?	Yes
Samples in proper container/bottle?	Yes
Were correct preservatives used and noted?	Yes
Sample containers intact?	Yes
Sufficient sample volume for indicated test?	Yes
Were container labels complete (ID, Pres, Date)?	Yes
All samples received within holding time?	Yes

Specialty Analytical
11 SE Jannsen Ra
as, Oregon 97015
AX: 503-607-1336
altyanalytical.com

Sample Receipt Checklist

Work Order Number 2408092

PM Received by: Mandy Wehe

Reviewed by:
Reviewed Date: 8/9/2024 4:25:31 PM

<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	Not Present
<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
<input type="checkbox"/>	No	<input type="checkbox"/>	Not Present
<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	NA
<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	

Was an attempt made to cool the samples?	Yes
All samples received at a temp. of > 0° C to 6.0° C?	Yes
Response when temperature is outside of range:	
Preservative added to bottles:	
Sample Temp. taken and recorded upon receipt?	Yes
Water - Were bubbles absent in VOC vials?	Yes
Water - Was there Chlorine Present?	Yes
Water - pH acceptable upon receipt?	Yes
Are Samples considered acceptable?	Yes
Custody Seals present?	Yes
Traffic Report or Packing Lists present?	Yes
Airbill or Sticker?	Air Bill
Airbill No:	
Sample Tags Present?	Yes
Sample Tags Listed on COC?	Yes
Tag Numbers:	
Sample Condition?	Intact
Case Number:	SDG:

Any No and/or NA (not applicable) response must be detailed in the comments section.

☒ No ☐ NA ☐
☒ No ☐ NA ☐

☒ No ☐ To 5.8 °C
☐ No ☐ No Vials ☒
☐ No ☐ NA ☒
☐ No ☐ NA ☒
☒ No ☐

☐ No ☒
☐ No ☒
☐ Sticker ☐ Not Present ☒

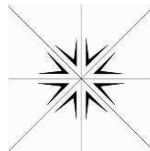
☐ No ☒
☐ No ☒

☒ Broken ☐ Leaking ☐

SAS:

Adjusted? _____ Checked by

nts section be



Sp
90
Clackam
TEL: 503-607-1331 F
Website: www.specia

Client Contacted? ☐ Yes ☒ No ☐ NA Person Contacted:
Contact Mode: ☐ Phone: ☐ Fax: ☐ Email:
Client Instructions:
Date Contacted: Contacted By:
Regarding:
CorrectiveAction:

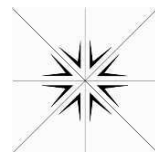
Specialty Analytical
11 SE Jannsen Ra
as, Oregon 97015
AX: 503-607-1336
altyanalytical.com

Sample Receipt Checklist

Comments:

☐ In Person:

Specialty Analytical				Chain of Custody Record			
9011 SE Jannsen Rd Clackamas, OR 97015 Phone: 503-607-1331 Fax: 503-607-1336				Laboratory Project No (internal): 2408092			
Date: 8-8-24				Page: of:			
Project Name: 4740 main				Temperature on Receipt: 5.8 °C			
Client: KVL Environmental				Cooling: 100 Shipped Via: 100			
Address: 1523 Georgia Ave SE				Custody Seal: Y (N) Intact / Broken Cooler / Bottle			
City, State, Zip: Salem, OR 97302				MDL TIER IV EDD			
Telephone: 503 302 4078				Sample Disposal: <input type="checkbox"/> Return to client <input checked="" type="checkbox"/> Disposal by lab (after 60 days)			
AP Email: Karl VanZandt				PM Email: Karl VanZandt			
State Collected: OR WA OTHER				Report To (PM): Karl VanZandt			
Requested Tests				# of Containers			
Sample Name	Sample Date	Sample Time	Sample Matrix*	Comments			
1 4740-E76	8/8/24	1230	Soil	Quantify if Hits			
2 4740-W76	8/8/24	1240	Soil	↓			
3 4740-S80	8/8/24	1315	Soil				
4 4740-N80	8/8/24	1320	Soil				
5							
6							
7							
8							
9							
10							
* Matrix: A = Air, AQ = Aqueous, L = Liquid, O = Oil, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water, M = Miscellaneous							
Turn-around Time: Standard: 3 Day: X 2 Day: X Next Day: X Same Day: X				Expedited turn-around requests should be coordinated in advance			
Relinquished	Date/Time	Received	Date/Time				
X Karl VanZandt	8/9/24	X	8/9/24	1440			
Relinquished	Date/Time	Received	Date/Time				
X		X					
Relinquished	Date/Time	Received	Date/Time				
X		X					



CL
TEL: 503-607-1
Website: www.

Definitions:

KEY TO FLAGS

A: This sample contains a Gasoline Range Organic product. The result was qualified against gasoline calibration.

A1: This sample contains a Diesel Range Organic product. The result was qualified against diesel calibration standards.

A2: This sample contains a Lube Oil Range Organic product. The result was qualified against lube oil calibration standards.

A3: The results were determined to be Non-Detect. The product was carry-over from another hydrocarbon type.

A4: The product appears to be aged or degraded.

D: The detection limit is less than 1 mg/L.

based on hydrocarbon pattern recognition. The
oe.

B: The blank exhibited a positive result greater than the blank.

BC: Sample concentration is >10x positive result.

CN: See Case Narrative.

E: Result exceeds the calibration range for this estimate.

F: The positive result for this hydrocarbon is due to a fuel source that does not match any hydrocarbon in the fuels library.

FS: Follow-up testing is suggested.

G: Result may be biased high due to biogenic interference.

H: Sample was analyzed outside recommended concentration range.

HT: ☐ At client's request, samples was analyzed outside recommended concentration range.

HP: Sample was analyzed outside recommended concentration range.

than the reporting limit for this compound.

lt in blank. Data is considered acceptable.

compound. The result should be considered an

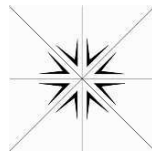
to single component contamination. The product

ferences. Clean up is recommended.

holding time.

tside of recommended holding time.

nolding time due to VOA having pH >2.



CL
TEL: 503-607-1
Website: www.

Definitions:

J: The results for this analyte is between the MD
estimated concentration.

K: Diesel result is biased high due to amount of C

L: Diesel result is biased high due to amount of C

M: Oil result is biased high due to amount of Dies

N Gasoline result is biased high due to amount o

MC: Sample concentration is greater than 4x the sp
insignificant.

MI Result is outside control limits due to matrix i

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specialtyanalytical.com

Definition Only

WO#: **2408092**

Date: **8/14/2024**

L and the PQL and should be considered an

Dil contained in the sample.

Gasoline contained in the sample.

el contained in the sample.

f Diesel contained in the sample.

iked value, the spiked value is considered

nterference.

NH: Sample matrix is non-homogeneous

MSA: Value determined by Method of Standard Addition

O: Laboratory Control Standard (LCS) exceeded
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

RP: Matrix spike values exceed established QC limits

S: Recovery is outside control limits.

SC: CCV or LCS exceeded high recovery control limits
meets EPA requirements.

tion.

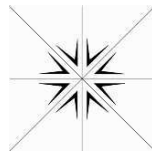
laboratory control limits but meets CCV criteria.

x.

he method-reporting limit.

imits; post digestion spike is in control.

imits, but associated samples are non-detect. Data



Definitions:

SL: LCS exceeded recovery control limits, but ass
requirements.

SV: CCV exceded low recovery control limits. NI
section 11.4.3.2

TA: Sample treated with ascorbic acid for the rem

TS: Sample treated with Sodium Sulfite for the rem

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Definition Only

WO#: **2408092**

Date: **8/14/2024**

ociated MS/MSD passing. Data meets EPA

D as reported evaluated using EPA method 8260D

oval of thiocyanates.

noval of chlorine.

KARL VAN ZANDT ENVIRONMENTAL CONSULTING

1523 Georgia Ave SE, Salem, Oregon

503.302.4078

Karlvanzandt@gmail.com

Salem, Oregon

Serving the Mid-Willamette Valley

Licenses: DEQ 27551

Date: 8/26/24

4740 Main St Springfield, Oregon

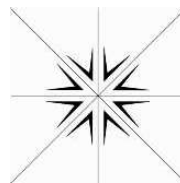
Waste Oil Recovery and Testing

The fluids inside the waste oil tank were tested to determine disposal method and location.

The following test is of motor oil inside of the tank

Karl Van Zandt

Testing certification



August 16, 2024

Karl VanZandt

Karl VanZandt

1523 Georgia Ave SE

Salem, OR 97302

TEL: (503) 302-4078

FAX:

RE: 4740 Main

Dear Karl VanZandt:

There were no problems with the analysis and all data met the required specifications, except where noted in the Case Narrative. The results apply only to the samples analyzed. Without approval, the full report is only permitted in its entirety.

If you have any questions regarding these tests, please contact the laboratory.

Specialty Analytical

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Clackamas, OR 97015
TEL: (503) 607-1331

Website: www.specialtyanalytical.com

Order No.: 2408094

ta for associated QC met EPA or laboratory
tive, or as qualified with flags. Results
al of the laboratory, the reproduction of this

se feel free to call

If you have any questions regarding these tests, please

Sincerely,

A handwritten signature in black ink, appearing to read 'Marty French', written in a cursive style.

Marty French
Lab Director

Specialty Analytical

CLIENT: Karl VanZandt
Project: 4740 Main

Lab ID: 2408094-001
Client Sample ID 4740-WO

Analyses	Result	R
RCRA_8_S		
ICP/MS METALS-TOTAL RECOVERABLE		
Arsenic	11.5	0.0
Barium	698	4
Cadmium	30.6	0.0
Chromium	146	0.0
Lead	5040	2
Selenium	1.05	0.0
Silver	1.19	0.0
RCRA_8_S		
TOTAL MERCURY		
Mercury	0.0142	0.00
VOLATILE ORGANICS BY GC/MS		
1,1,1,2-Tetrachloroethane	ND	1

WO#: 2408094

Date Reported: 8/16/2024

Matrix: SLUDGE

Collection Date: 8/9/2024 10:00:00 AM

RL	Qual	Units	DF	Date Analyzed
SW 6020B		SW3050B	Analyst: AC	
954		mg/Kg	10	8/13/2024 7:48:39 PM
17.7		mg/Kg	1000	8/14/2024 12:09:21 PM
954		mg/Kg	10	8/13/2024 7:48:39 PM
954		mg/Kg	10	8/13/2024 7:48:39 PM
13.8		mg/Kg	1000	8/14/2024 12:09:21 PM
954		mg/Kg	10	8/13/2024 7:48:39 PM
954		mg/Kg	10	8/13/2024 7:48:39 PM
SW 7471B		SW 7471B	Analyst: AC	
863		mg/Kg	1	8/14/2024 4:26:00 PM
SW8260D		SW 5030B	Analyst: LB	
.00	Q	mg/Kg	20	8/13/2024 10:45:00 AM

1,1,1-Trichloroethane	ND	1
1,1,2,2-Tetrachloroethane	ND	1
1,1,2-Trichloroethane	ND	1
1,1-Dichloroethane	ND	1
1,1-Dichloroethene	ND	1
1,1-Dichloropropene	ND	1
1,2,3-Trichlorobenzene	ND	1
1,2,3-Trichloropropane	ND	1
1,2,4-Trichlorobenzene	ND	1
1,2,4-Trimethylbenzene	30.7	1
1,2-Dibromo-3-chloropropane	ND	1
1,2-Dibromoethane	ND	1
1,2-Dichlorobenzene	ND	1
1,2-Dichloroethane	ND	1
1,2-Dichloropropane	ND	1
1,3,5-Trimethylbenzene	7.34	1
1,3-Dichlorobenzene	ND	1
1,3-Dichloropropane	ND	1
1,4-Dichlorobenzene	ND	1
2,2-Dichloropropane	ND	1
2-Butanone	ND	2
2-Chloroethyl vinyl ether	ND	1
2-Chlorotoluene	ND	1

.00	Q	mg/Kg	20	8/13/2024 10:45:00 AM
.00	Q	mg/Kg	20	8/13/2024 10:45:00 AM
.00	Q	mg/Kg	20	8/13/2024 10:45:00 AM
.00	Q	mg/Kg	20	8/13/2024 10:45:00 AM
.00	Q	mg/Kg	20	8/13/2024 10:45:00 AM
.00	Q	mg/Kg	20	8/13/2024 10:45:00 AM
.00	Q	mg/Kg	20	8/13/2024 10:45:00 AM
.00	Q	mg/Kg	20	8/13/2024 10:45:00 AM
.00	Q	mg/Kg	20	8/13/2024 10:45:00 AM
.00		mg/Kg	20	8/13/2024 10:45:00 AM
.00	Q	mg/Kg	20	8/13/2024 10:45:00 AM
.00	Q	mg/Kg	20	8/13/2024 10:45:00 AM
.00	Q	mg/Kg	20	8/13/2024 10:45:00 AM
.00	Q	mg/Kg	20	8/13/2024 10:45:00 AM
.00	Q	mg/Kg	20	8/13/2024 10:45:00 AM
.00		mg/Kg	20	8/13/2024 10:45:00 AM
.00	Q	mg/Kg	20	8/13/2024 10:45:00 AM
.00	Q	mg/Kg	20	8/13/2024 10:45:00 AM
.00	Q	mg/Kg	20	8/13/2024 10:45:00 AM
.00	Q	mg/Kg	20	8/13/2024 10:45:00 AM
2.00	Q	mg/Kg	20	8/13/2024 10:45:00 AM
.00	Q	mg/Kg	20	8/13/2024 10:45:00 AM
.00	Q	mg/Kg	20	8/13/2024 10:45:00 AM

Specialty Analytical

CLIENT:	Karl VanZandt
Project:	4740 Main

VOLATILE ORGANICS BY GC/MS

2-Hexanone	ND	2
4-Chlorotoluene	ND	1
4-Isopropyltoluene	ND	1
4-Methyl-2-pentanone	ND	2
Acetone	ND	5
Acrolein	ND	1
Benzene	ND	1
Bromobenzene	ND	1
Bromochloromethane	ND	1
Bromodichloromethane	ND	1
Bromoform	ND	1
Bromomethane	ND	1
Carbon disulfide	ND	1
Carbon tetrachloride	ND	1
Chlorobenzene	ND	1
Chloroethane	ND	1
Chloroform	ND	1
Chloromethane	ND	1
cis-1,2-Dichloroethane	ND	1

Date Reported: **8/16/2024**[illegible]

cis-1,2-Dichloroethene	ND	1
cis-1,3-Dichloropropene	ND	1
Dibromochloromethane	ND	1
Dibromomethane	ND	1
Dichlorodifluoromethane	ND	1
Ethylbenzene	7.33	1
Hexachlorobutadiene	ND	1
Isopropylbenzene	1.30	1
m,p-Xylene	30.6	5
Methyl tert-butyl ether	ND	1
Methylene chloride	ND	5
Naphthalene	28.3	1
n-Butylbenzene	4.18	1
n-Propylbenzene	4.09	1
o-Xylene	14.1	1
sec-Butylbenzene	1.04	1
Styrene	ND	1
tert-Butylbenzene	ND	1
Tetrachloroethene	1.42	1
Toluene	10.5	1
trans-1,2-Dichloroethene	ND	1
trans-1,3-Dichloropropene	ND	1
Trichloroethene	ND	1
Trichlorofluoromethane	ND	1

.00	Q	mg/Kg	20	8/13/2024 10:45:00 AM
.00	Q	mg/Kg	20	8/13/2024 10:45:00 AM
.00	Q	mg/Kg	20	8/13/2024 10:45:00 AM
.00	Q	mg/Kg	20	8/13/2024 10:45:00 AM
.00		mg/Kg	20	8/13/2024 10:45:00 AM
.00	Q	mg/Kg	20	8/13/2024 10:45:00 AM
.00		mg/Kg	20	8/13/2024 10:45:00 AM
.00		mg/Kg	20	8/13/2024 10:45:00 AM
.00	Q	mg/Kg	20	8/13/2024 10:45:00 AM
.00	Q	mg/Kg	20	8/13/2024 10:45:00 AM
.00		mg/Kg	20	8/13/2024 10:45:00 AM
.00		mg/Kg	20	8/13/2024 10:45:00 AM
.00		mg/Kg	20	8/13/2024 10:45:00 AM
.00		mg/Kg	20	8/13/2024 10:45:00 AM
.00	Q	mg/Kg	20	8/13/2024 10:45:00 AM
.00	Q	mg/Kg	20	8/13/2024 10:45:00 AM
.00		mg/Kg	20	8/13/2024 10:45:00 AM
.00		mg/Kg	20	8/13/2024 10:45:00 AM
.00	Q	mg/Kg	20	8/13/2024 10:45:00 AM
.00	Q	mg/Kg	20	8/13/2024 10:45:00 AM
.00	Q	mg/Kg	20	8/13/2024 10:45:00 AM
.00	Q	mg/Kg	20	8/13/2024 10:45:00 AM

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CLIENT:	Karl VanZandt
Project:	4740 Main

VOLATILE ORGANICS BY GC/MS

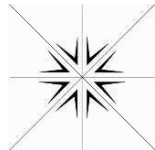
Vinyl chloride	ND	1
Surr: 1,2-Dichloroethane-d4	114	71.5 -
Surr: 4-Bromofluorobenzene	114	75.7 -
Surr: Dibromofluoromethane	110	64.3 -
Surr: Toluene-d8	89.2	74.9 -

PCB'S IN OIL

Aroclor 1016	ND	0.
Aroclor 1221	ND	0.
Aroclor 1232	ND	0.
Aroclor 1242	ND	0.
Aroclor 1248	ND	0.
Aroclor 1254	ND	0.
Aroclor 1260	ND	0.
Aroclor 1262	ND	0.
Aroclor 1268	ND	0.
Surr: Decachlorobiphenyl	68.8	22.1 -

WO#: 2408094
Date Reported: 8/16/2024

SW8260D		SW 5030B	Analyst: LB
.00	Q mg/Kg	20	8/13/2024 10:45:00 AM
122	%Rec	20	8/13/2024 10:45:00 AM
122	%Rec	20	8/13/2024 10:45:00 AM
124	%Rec	20	8/13/2024 10:45:00 AM
120	%Rec	20	8/13/2024 10:45:00 AM
SW 8082A		SW3580A	Analyst: TB
495	mg/Kg	1	8/12/2024 7:45:00 PM
495	mg/Kg	1	8/12/2024 7:45:00 PM
495	mg/Kg	1	8/12/2024 7:45:00 PM
495	mg/Kg	1	8/12/2024 7:45:00 PM
495	mg/Kg	1	8/12/2024 7:45:00 PM
495	mg/Kg	1	8/12/2024 7:45:00 PM
495	mg/Kg	1	8/12/2024 7:45:00 PM
495	mg/Kg	1	8/12/2024 7:45:00 PM
495	mg/Kg	1	8/12/2024 7:45:00 PM
116	%Rec	1	8/12/2024 7:45:00 PM



C
TEL: 503-607-1
Website: www

Client: Karl VanZandt			
Project: 4740 Main			
Program Name	Sample ID	ClientSampleID	Matrix
ORELAP	2408094-001A	4740-WO	Soil

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Accreditation Program Analytes Report

WO#: 2408094
16-Aug-24

Test Name	Analyte	Status
VOLATILE ORGANICS BY GC/MS	1,3-Dichlorobenzene	A
	1,2,3-Trichloropropane	A
	1,2,4-Trichlorobenzene	A
	1,2,4-Trimethylbenzene	A
	1,2-Dibromo-3-chloropropane	A
	1,2-Dibromoethane	A
	1,2-Dichlorobenzene	A
	1,2-Dichloroethane	A
	Acrolein	A
	1,3,5-Trimethylbenzene	A
	1,1-Dichloroethene	A
	1,4-Dichlorobenzene	A
	2,2-Dichloropropane	A
	2,3-Dichloropropane	A

Solid

Soil

Solid

Soil

Solid

Soil

Solid

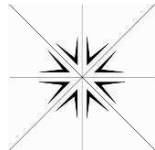
Soil

ACCRED

ORELAP A Accredited A WADOE A Acc

	2,2-Dichloropropane	A
	2-Butanone	A
	2-Chloroethyl vinyl ether	A
	2-Hexanone	A
	4-Chlorotoluene	A
	4-Methyl-2-pentanone	A
ICP/MS METALS-TOTAL RECOVERABLE	Arsenic	A
VOLATILE ORGANICS BY GC/MS	1,2-Dichloropropane	A
ICP/MS METALS-TOTAL RECOVERABLE	Selenium	A
	Arsenic	A
	Barium	A
	Barium	A
	Cadmium	A
	Cadmium	A
	Chromium	A
	Chromium	A
	Lead	A

credited A



C
TEL: 503-607-1
Website: www

Client: Karl VanZandt
Project: 4740 Main

Program Name	Sample ID	ClientSampleID	Matrix
ORELAP	2408094-001A	4740-WO	Soil

Solid
Soil

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Accreditation Program Analytes Report

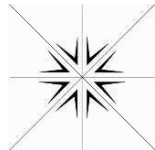
WO#: 2408094
16-Aug-24

Test Name	Analyte	Status
VOLATILE ORGANICS BY GC/MS	1,2,3-Trichlorobenzene	A
ICP/MS METALS-TOTAL RECOVERABLE	Selenium	A
VOLATILE ORGANICS BY GC/MS	1,1-Dichloropropene	A
ICP/MS METALS-TOTAL RECOVERABLE	Silver	A
	Silver	A
VOLATILE ORGANICS BY GC/MS	1,1,1,2-Tetrachloroethane	A
	1,1,1-Trichloroethane	A
	1,1,2,2-Tetrachloroethane	A
	1,1,2-Trichloroethane	A
	1,1-Dichloroethane	A

ACCRED	ORELAP			WADOE		
	A	Accredited A		A	Accredited A	

	Benzene	A
ICP/MS METALS-TOTAL RECOVERABLE	Lead	A
VOLATILE ORGANICS BY GC/MS	Toluene	A
	Methyl tert-butyl ether	A
	Naphthalene	A
	Acetone	A
	n-Propylbenzene	A
	o-Xylene	A
	m,p-Xylene	A
	Tetrachloroethene	A
	Methylene chloride	A
	trans-1,2-Dichloroethene	A
	trans-1,3-Dichloropropene	A
	Trichloroethene	A
	Trichlorofluoromethane	A
	Vinyl chloride	A
TOTAL MERCURY	Mercury	A

credited A



C
TEL: 503-607-1
Website: www

Client: Karl VanZandt			
Project: 4740 Main			
Program Name	Sample ID	ClientSampleID	Matrix
ORELAP	2408094-001A	4740-WO	Soil

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Clackamas, Oregon 97015
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Accreditation Program Analytes Report

WO#: 2408094
16-Aug-24

Test Name	Analyte	Status
VOLATILE ORGANICS BY GC/MS	tert-Butylbenzene	A
	Carbon disulfide	A
	Bromobenzene	A
	Bromochloromethane	A
	Bromodichloromethane	A
	n-Butylbenzene	A
	Bromomethane	A
	Ethylbenzene	A
	Carbon tetrachloride	A
	Chlorobenzene	A
	Dibromomethane	A
	Chloroform	A
	Chloromethane	A
	Chloroethane	A

Washington Departmen

	ORELAP	A	Accredited A		WADOE	A	Acc
ACCRED							

	Chloromethane	A
	cis-1,2-Dichloroethene	A
	cis-1,3-Dichloropropene	A
	Dibromofluoromethane	A
	Chloroethane	A
	Bromoform	A
ICP/MS METALS-TOTAL RECOVERABLE	Silver	A
	Selenium	A
	Lead	A
	Chromium	A
	Cadmium	A
	Arsenic	A
TOTAL MERCURY	Mercury	A
ICP/MS METALS-TOTAL RECOVERABLE	Barium	A

credited A

Specialty Analytical

Client: Karl VanZandt
Project: 4740 Main

Sample ID: ICV	SampType: ICV	TestCode: 6020_S	Units: m	SW3050
Client ID: ICV	Batch ID: 24198	TestNo: SW 6020B		
Analyte	Result	PQL	SPK value	SPK Ref Val
Arsenic	5.68	0.0100	5.00	0
Barium	5.06	0.0500	5.00	0
Cadmium	5.11	0.0100	5.00	0
Chromium	5.02	0.100	5.00	0
Lead	5.27	0.0250	5.00	0
Selenium	5.02	0.100	5.00	0

QC SUMMARY REPORT

WO#: 2408094
8/16/2024

TestCode: 6020_S

ng/Kg		Prep Date:		RunNo: 55162		
B		Analysis Date: 8/12/2024		SeqNo: 715017		
%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
114	90	110				BS
101	90	110				
102	90	110				
100	90	110				
105	90	110				
100	90	110				

Cadmium		0.02	0.100	0.0100	0.00
Silver		5.46			5.00
Sample ID: CCB		SampType: CCB		TestCode: 6020_S	
Client ID: CCB		Batch ID: 24198		TestNo: SW 6020B	
Units: m		SW3050			
Analyte		Result	PQL	SPK value	SPK Ref Val
Arsenic		ND	0.0100		
Barium		ND	0.0500		
Cadmium		ND	0.0100		
Chromium		ND	0.100		
Lead		ND	0.0250		
Selenium		ND	0.100		
Silver		ND	0.0100		
Qualifiers:		B	Analyte detected in the associated Method Blank		H
		S	Spike Recovery outside accepted recovery limits		Holding times for preparation

109 90 110

g/Kg	Prep Date:	RunNo: 55162
B	Analysis Date: 8/12/2024	SeqNo: 715020
%REC	LowLimit	HighLimit
	RPD Ref Val	%RPD
		RPDLimit
		Qual

or analysis exceeded	R	RPD outside accepted recovery limits
----------------------	---	--------------------------------------

Specialty Analytical

Client: Karl VanZandt
Project: 4740 Main

Sample ID: CCV	SampType: CCV	TestCode: 6020_S	Units: m
Client ID: CCV	Batch ID: 24198	TestNo: SW 6020B	SW3050
Analyte	Result	PQL	SPK value
Arsenic	5.28	0.0100	5.00
Barium	4.68	0.0500	5.00
Cadmium	4.76	0.0100	5.00
Chromium	4.76	0.100	5.00
Lead	5.39	0.0250	5.00
Selenium	4.75	0.100	5.00

QC SUMMARY REPORT

WO#: 2408094
8/16/2024

TestCode: 6020_S

mg/Kg		Prep Date:		RunNo: 55162		
B		Analysis Date: 8/12/2024		SeqNo: 715024		
%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
106	90	110				B
93.7	90	110				
95.2	90	110				
95.2	90	110				
108	90	110				
95.1	90	110				B

Cadmium		0.100	0.0100	0.00
Silver		4.87	0.0100	5.00
Sample ID: CCB		SampType: CCB	TestCode: 6020_S	Units: m
Client ID: CCB		Batch ID: 24198	TestNo: SW 6020B	SW3050
Analyte		Result	PQL	SPK value
Arsenic		ND	0.0100	
Barium		ND	0.0500	
Cadmium		ND	0.0100	
Chromium		ND	0.100	
Lead		ND	0.0250	
Selenium		ND	0.100	
Silver		ND	0.0100	
Qualifiers:		B	Analyte detected in the associated Method Blank	
		S	Spike Recovery outside accepted recovery limits	
			H	Holding times for preparation

97.3 90 110

g/Kg	Prep Date:	RunNo: 55162
B	Analysis Date: 8/12/2024	SeqNo: 715025
%REC	LowLimit	HighLimit
	RPD Ref Val	%RPD
		RPDLimit
		Qual

or analysis exceeded	R	RPD outside accepted recovery limits
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Specialty Analytical

Client: Karl VanZandt
Project: 4740 Main

Sample ID: MB-24198	SampType: MBLK	TestCode: 6020_S	Units: m
Client ID: PBS	Batch ID: 24198	TestNo: SW 6020B	SW3050
Analyte	Result	PQL	SPK value
Arsenic	0.0147		0.0100
Barium	ND		0.0500
Cadmium	ND		0.0100
Chromium	ND		0.100
Lead	ND		0.0250
Selenium	0.191		0.100

QC SUMMARY REPORT

WO#: 2408094
8/16/2024

TestCode: 6020_S

g/Kg	Prep Date: 8/12/2024	RunNo: 55162
B	Analysis Date: 8/12/2024	SeqNo: 715028
%REC	LowLimit	HighLimit
	RPD Ref Val	%RPD
		RPDLimit
		Qual

Concentration: 0.0100		ND		0.0100	
Silver					
<hr/>					
Sample ID: LCS-24198		SampType: LCS		TestCode: 6020_S	
Client ID: LCSS		Batch ID: 24198		TestNo: SW 6020B	
Units: m		SW3050		SPK Ref Val	
Analyte	Result	PQL	SPK value	SPK Ref Val	
Arsenic	5.17	0.100	5.00	0	
Barium	5.04	0.500	5.00	0	
Cadmium	4.84	0.100	5.00	0	
Chromium	5.76	1.00	5.00	0	
Lead	5.93	0.250	5.00	0	
Selenium	4.54	1.00	5.00	0	
Silver	4.69	0.100	5.00	0	
<hr/>					
Qualifiers:		B	Analyte detected in the associated Method Blank		H
		S	Spike Recovery outside accepted recovery limits		

B	g/Kg	Prep Date: 8/12/2024	RunNo: 55162
		Analysis Date: 8/12/2024	SeqNo: 715029

%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
103	73.4	120				
101	80	120				
96.8	80	120				
115	80	120				
119	80	120				
90.9	79.5	119				
93.8	70	130				

or analysis exceeded

R

RPD outside accepted recovery limits

Specialty Analytical

Client: Karl VanZandt
Project: 4740 Main

Sample ID: LCSD-24198	SampType: LCSD	TestCode: 6020_S	Units: m
Client ID: LCSS02	Batch ID: 24198	TestNo: SW 6020B	SW3050
Analyte	Result	PQL	SPK value
Arsenic	5.02	0.100	5.00
Barium	4.95	0.500	5.00
Cadmium	4.63	0.100	5.00
Chromium	5.60	1.00	5.00
Lead	5.81	0.250	5.00
Selenium	4.48	1.00	5.00

QC SUMMARY REPORT

WO#: 2408094
8/16/2024

TestCode: 6020_S							
g/Kg	Prep Date: 8/12/2024		RunNo: 55162				
	Analysis Date: 8/12/2024		SeqNo: 715030				
	%REC	LowLimit	HighLimit	RPD	RefVal	%RPD	RPDLimit
B	100	80	120	5.17	3.03	20	20
	99.0	80	120	5.04	1.83	20	20
	92.6	80	120	4.84	4.43	20	20
	112	80	120	5.76	2.94	20	20
	116	80	120	5.93	2.07	20	20
	89.6	80	120	4.54	1.44	20	20

Cadmium		1.00	0.100	0.00	0.00
Silver		4.58	0.100	5.00	5.00
Sample ID: 2408079-001ADUP SampType: DUP TestCode: 6020_S Units: m					
Client ID: BatchQC		Batch ID: 24198		TestNo: SW 6020B SW3050	
Analyte		Result	PQL	SPK value	SPK Ref Val
Arsenic		4.11	0.304		
Barium		271	1.52		
Cadmium		2.04	0.304		
Chromium		43.1	3.04		
Selenium		ND	3.04		
Silver		1.54	0.304		
Qualifiers:		B	Analyte detected in the associated Method Blank		H
		S	Spike Recovery outside accepted recovery limits		

91.6 80 120 4.69 2.40 20

g/Kg-dry		Prep Date: 8/12/2024		RunNo: 55162		
B		Analysis Date: 8/12/2024		SeqNo: 715034		
%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

4.04	1.86	20
211	24.8	20 RMI
1.90	7.19	20
40.1	7.42	20
0	0	20
1.52	1.37	20

or analysis exceeded R RPD outside accepted recovery limits

Specialty Analytical

Client: Karl VanZandt
Project: 4740 Main

Sample ID: 2408079-001AMS	SampType: MS	TestCode: 6020_S	Units: m
Client ID: BatchQC	Batch ID: 24198	TestNo: SW 6020B	SW3050
Analyte	Result	PQL	SPK value
Arsenic	23.5	0.332	16.6
Barium	283	1.66	16.6
Cadmium	19.6	0.332	16.6
Chromium	68.1	3.32	16.6
Selenium	18.5	3.32	16.6
Silver	18.1	0.332	16.6

QC SUMMARY REPORT

WO#: 2408094
8/16/2024

TestCode: 6020_S

mg/Kg-dry		Prep Date: 8/12/2024	RunNo: 55162			
B		Analysis Date: 8/12/2024	SeqNo: 715035			
%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

117	70	130				
432	70	130				SMC
107	70	130				
169	70	130				SMC
101	70	130				
99.7	70	130				

Sample ID: 2408079-001AMSD		SampType: MSD	TestCode: 6020_S	Units: m
Client ID: BatchQC	Batch ID: 24198	TestNo: SW 6020B	SW3050	
Analyte	Result	PQL	SPK value	SPK Ref Val
Arsenic	20.9	0.326	16.3	4.04
Barium	289	1.63	16.3	211
Cadmium	17.4	0.326	16.3	1.90
Chromium	62.5	3.26	16.3	40.1
Selenium	16.1	3.26	16.3	1.79
Silver	15.6	0.326	16.3	1.52

Qualifiers:		B	Analyte detected in the associated Method Blank		H	Holding times for preparation	
		S	Spike Recovery outside accepted recovery limits				

g/Kg-dry		Prep Date: 8/12/2024		RunNo: 55162		
B		Analysis Date: 8/12/2024		SeqNo: 715036		
%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
104	70	130	23.5	11.4	20	
477	70	130	283	2.11	20	SMC
95.0	70	130	19.6	12.2	20	
137	70	130	68.1	8.62	20	SMI
87.9	70	130	18.5	13.9	20	
86.5	70	130	18.1	14.6	20	

or analysis exceeded

R

RPD outside accepted recovery limits

Specialty Analytical

Client: Karl VanZandt
Project: 4740 Main

Sample ID: CCV	SampType: CCV	TestCode: 6020_S	Units: m
Client ID: CCV	Batch ID: 24198	TestNo: SW 6020B	SW3050
Analyte	Result	PQL	SPK value
Arsenic	5.36	0.0100	5.00
Barium	4.64	0.0500	5.00
Cadmium	4.76	0.0100	5.00
Chromium	4.80	0.100	5.00
Selenium	4.84	0.100	5.00
Silver	4.82	0.0100	5.00

QC SUMMARY REPORT

WO#: 2408094
8/16/2024

TestCode: 6020_S

mg/Kg	Prep Date:		RunNo: 55162				
	Analysis Date: 8/12/2024		SeqNo: 715038				
B	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
	107	90	110				B
	92.8	90	110				
	95.1	90	110				
	96.0	90	110				
	96.7	90	110				B
	96.4	90	110				

Sample ID: CCB	SampleType: CCB	TestCode: 6020_S	Units: m
Client ID: CCB	Batch ID: 24198	TestNo: SW 6020B	SW3050
Analyte	Result	PQL	SPK value

Arsenic	ND	0.0100	
Barium	ND	0.0500	
Cadmium	ND	0.0100	
Chromium	ND	0.100	
Lead	ND	0.0250	
Selenium	ND	0.100	
Silver	ND	0.0100	

Qualifiers:	B	Analyte detected in the associated Method Blank	H	Holding times for preparation
	S	Spike Recovery outside accepted recovery limits		

g/Kg	Prep Date:	RunNo: 55162
B	Analysis Date: 8/12/2024	SeqNo: 715039
%REC	LowLimit	HighLimit
	RPD RefVal	%RPD
		RPDLimit
		Qual

or analysis exceeded	R	RPD outside accepted recovery limits
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Specialty Analytical

Client: Karl VanZandt
Project: 4740 Main

Sample ID: CCV	SampType: CCV	TestCode: 6020_S	Units: m
Client ID: CCV	Batch ID: 24198	TestNo: SW 6020B	SW3050
Analyte	Result	PQL	SPK value
Arsenic	5.32	0.0100	5.00
Barium	4.63	0.0500	5.00
Cadmium	4.78	0.0100	5.00
Chromium	4.86	0.100	5.00
Selenium	4.81	0.100	5.00
Silver	4.76	0.0100	5.00

QC SUMMARY REPORT

WO#: 2408094
8/16/2024

TestCode: 6020_S

mg/Kg	Prep Date:			RunNo: 55162			
B	Analysis Date: 8/12/2024			SeqNo: 715044			
	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
	106	90	110				B
	92.5	90	110				
	95.5	90	110				
	97.2	90	110				
	96.3	90	110				B
	95.2	90	110				

Sample ID: CCB	SampleType: CCB	TestCode: 6020_S	Units: m
Client ID: CCB	Batch ID: 24198	TestNo: SW 6020B	SW3050
Analyte	Result	PQL	SPK value

Arsenic	ND	0.0100	
Barium	ND	0.0500	
Cadmium	ND	0.0100	
Chromium	ND	0.100	
Lead	ND	0.0250	
Selenium	ND	0.100	
Silver	ND	0.0100	

Qualifiers:	B	Analyte detected in the associated Method Blank	H	Holding times for preparation
	S	Spike Recovery outside accepted recovery limits		

g/Kg	Prep Date:	RunNo: 55162
B	Analysis Date: 8/12/2024	SeqNo: 715045
%REC	LowLimit	HighLimit
	RPD RefVal	%RPD
		RPDLimit
		Qual

or analysis exceeded	R	RPD outside accepted recovery limits
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Specialty Analytical

Client: Karl VanZandt
Project: 4740 Main

Sample ID: ICV	SampType: ICV	TestCode: 6020_S	Units: m
Client ID: ICV	Batch ID: 24198	TestNo: SW 6020B	SW3050
Analyte	Result	PQL	SPK value
Lead	4.94	0.0250	5.00
			0

Sample ID: CCB	SampType: CCB	TestCode: 6020_S	Units: m
Client ID: CCB	Batch ID: 24198	TestNo: SW 6020B	SW3050

QC SUMMARY REPORT

WO#: 2408094
8/16/2024

TestCode: 6020_S

g/Kg	Prep Date:	RunNo: 55162
B	Analysis Date: 8/13/2024	SeqNo: 715200
%REC	LowLimit	HighLimit
98.8	90	110

g/Kg	Prep Date:	RunNo: 55162
B	Analysis Date: 8/13/2024	SeqNo: 715201

Analyte	Result	PQL	SPK value	SPK Ref Val
Lead	ND	0.0250		
Sample ID: MB-24198 SampType: MBLK TestCode: 6020_S Units: m				
Client ID: PBS	Batch ID: 24198	TestNo: SW 6020B	SW3050	
Analyte	Result	PQL	SPK value	SPK Ref Val
Lead	ND	0.0250		
Sample ID: LCS-24198 SampType: LCS TestCode: 6020_S Units: m				
Client ID: LCSS	Batch ID: 24198	TestNo: SW 6020B	SW3050	
Analyte	Result	PQL	SPK value	SPK Ref Val
Lead	5.28	0.250	5.00	0
Qualifiers:	B S	Analyte detected in the associated Method Blank Spike Recovery outside accepted recovery limits		H Holding times for preparation

%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
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g/Kg	Prep Date: 8/12/2024		RunNo: 55162				
B	Analysis Date: 8/13/2024		SeqNo: 715202				
	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

g/Kg	Prep Date: 8/12/2024		RunNo: 55162				
B	Analysis Date: 8/13/2024		SeqNo: 715203				
	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

106 80 120

or analysis exceeded R RPD outside accepted recovery limits

Specialty Analytical

Client: Karl VanZandt
Project: 4740 Main

Sample ID: LCS-24198	SampType: LCS	TestCode: 6020_S	Units: m
Client ID: LCSS	Batch ID: 24198	TestNo: SW 6020B	SW3050
Analyte	Result	PQL	SPK value
			SPK Ref Val

Sample ID: LCSD-24198	SampType: LCSD	TestCode: 6020_S	Units: m
Client ID: LCSS02	Batch ID: 24198	TestNo: SW 6020B	SW3050
Analyte	Result	PQL	SPK value
			SPK Ref Val

QC SUMMARY REPORT

WO#: 2408094
8/16/2024

TestCode: 6020_S

g/Kg	Prep Date: 8/12/2024	RunNo: 55162
B	Analysis Date: 8/13/2024	SeqNo: 715203
%REC	LowLimit	HighLimit
	RPD Ref Val	%RPD
		RPDLimit
		Qual

g/Kg	Prep Date: 8/12/2024	RunNo: 55162
B	Analysis Date: 8/13/2024	SeqNo: 715204
%REC	LowLimit	HighLimit
	RPD Ref Val	%RPD
		RPDLimit
		Qual

Lead	5.58	0.250	5.00	0
Sample ID: CCV	SampType: CCV		TestCode: 6020_S	Units: m
Client ID: CCV	Batch ID: 24198		TestNo: SW 6020B	SW3050
Analyte	Result	PQL	SPK value	SPK Ref Val
Lead	4.99	0.0250	5.00	0
Sample ID: CCB	SampType: CCB		TestCode: 6020_S	Units: m
Client ID: CCB	Batch ID: 24198		TestNo: SW 6020B	SW3050
Analyte	Result	PQL	SPK value	SPK Ref Val
Lead	ND	0.0250		
Qualifiers:		B	Analyte detected in the associated Method Blank	
		S	Spike Recovery outside accepted recovery limits	
			H	Holding times for preparation

	112	80	120	5.28	5.47	20
g/Kg	Prep Date:		RunNo: 55162			
B	Analysis Date: 8/13/2024		SeqNo: 715207			
%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
99.7	90	110				
g/Kg	Prep Date:		RunNo: 55162			
B	Analysis Date: 8/13/2024		SeqNo: 715208			
%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
or analysis exceeded			R	RPD outside accepted recovery limits		

Specialty Analytical

Client: Karl VanZandt
Project: 4740 Main

Sample ID: ICV	SampType: ICV	TestCode: 6020_S	Units: m
Client ID: ICV	Batch ID: 24198	TestNo: SW 6020B	SW3050
Analyte	Result	PQL	SPK value
Arsenic	4.83	0.0100	5.00
Cadmium	5.01	0.0100	5.00
Chromium	5.00	0.100	5.00
Lead	4.95	0.0250	5.00
Selenium	4.98	0.100	5.00
Silver	4.76	0.0100	5.00

QC SUMMARY REPORT

WO#: 2408094
8/16/2024

TestCode: 6020_S

mg/Kg		Prep Date:		RunNo: 55162		
B		Analysis Date: 8/13/2024		SeqNo: 715327		
%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
96.6	90	110				B
100	90	110				
99.9	90	110				
98.9	90	110				
99.6	90	110				B
95.1	90	110				

Sample ID: CCB	SampleType: CCB	TestCode: 6020_S	Units: m
Client ID: CCB	Batch ID: 24198	TestNo: SW 6020B	SW3050
Analyte	Result	PQL	SPK value

Arsenic	ND	0.0100	
Cadmium	ND	0.0100	
Chromium	ND	0.100	
Lead	ND	0.0250	
Selenium	ND	0.100	
Silver	ND	0.0100	

Qualifiers:	B	Analyte detected in the associated Method Blank	H	Holding times for preparation
	S	Spike Recovery outside accepted recovery limits		

B	g/Kg	Prep Date:		RunNo: 55162			
		Analysis Date: 8/13/2024		SeqNo: 715330			
	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

or analysis exceeded	R	RPD outside accepted recovery limits
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Specialty Analytical

Client: Karl VanZandt
Project: 4740 Main

Sample ID: CCV	SampType: CCV	TestCode: 6020_S	Units: m
Client ID: CCV	Batch ID: 24198	TestNo: SW 6020B	SW3050
Analyte	Result	PQL	SPK value
Arsenic	4.80	0.0100	5.00
Cadmium	4.98	0.0100	5.00
Chromium	4.97	0.100	5.00
Lead	4.94	0.0250	5.00
Selenium	4.97	0.100	5.00
Silver	5.00	0.0100	5.00

QC SUMMARY REPORT

WO#: 2408094
8/16/2024

TestCode: 6020_S

ng/Kg		Prep Date:		RunNo: 55162		
B		Analysis Date: 8/13/2024		SeqNo: 715334		
%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
96.1	90	110				B
99.5	90	110				
99.4	90	110				
98.8	90	110				
99.3	90	110				B
100	90	110				

Sample ID: CCB	SampleType: CCB	TestCode: 6020_S	Units: m
Client ID: CCB	Batch ID: 24198	TestNo: SW 6020B	SW3050
Analyte	Result	PQL	SPK value

Arsenic	ND	0.0100	
Cadmium	ND	0.0100	
Chromium	ND	0.100	
Lead	ND	0.0250	
Selenium	ND	0.100	
Silver	ND	0.0100	

Qualifiers:	B	Analyte detected in the associated Method Blank	H	Holding times for preparation
	S	Spike Recovery outside accepted recovery limits		

B	g/Kg	Prep Date:		RunNo: 55162			
		Analysis Date: 8/13/2024		SeqNo: 715335			
	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

or analysis exceeded	R	RPD outside accepted recovery limits
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Specialty Analytical

Client: Karl VanZandt
Project: 4740 Main

Sample ID: CCV	SampType: CCV	TestCode: 6020_S	Units: m
Client ID: CCV	Batch ID: 24198	TestNo: SW 6020B	SW3050
Analyte	Result	PQL	SPK value
Arsenic	5.39	0.0100	5.00
Cadmium	4.92	0.0100	5.00
Chromium	5.10	0.100	5.00
Lead	5.00	0.0250	5.00
Selenium	5.41	0.100	5.00
Silver	5.43	0.0100	5.00

QC SUMMARY REPORT

WO#: 2408094
8/16/2024

TestCode: 6020_S

mg/Kg		Prep Date:		RunNo: 55162		
B		Analysis Date: 8/13/2024		SeqNo: 715336		
%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
108	90	110				B
98.5	90	110				
102	90	110				
100	90	110				
108	90	110				B
109	90	110				

Sample ID: CCB	SampleType: CCB	TestCode: 6020_S	Units: m
Client ID: CCB	Batch ID: 24198	TestNo: SW 6020B	SW3050
Analyte	Result	PQL	SPK value

Arsenic	ND	0.0100	
Cadmium	ND	0.0100	
Chromium	ND	0.100	
Lead	ND	0.0250	
Selenium	ND	0.100	
Silver	ND	0.0100	

Qualifiers:	B	Analyte detected in the associated Method Blank	H	Holding times for preparation
	S	Spike Recovery outside accepted recovery limits		

B	g/Kg	Prep Date:		RunNo: 55162			
		Analysis Date: 8/13/2024		SeqNo: 715337			
	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

or analysis exceeded	R	RPD outside accepted recovery limits
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Specialty Analytical

Client: Karl VanZandt
Project: 4740 Main

Sample ID: 2408079-001ADUP	SampType: DUP	TestCode: 6020_S	Units: m
Client ID: BatchQC	Batch ID: 24198	TestNo: SW 6020B	SW3050
Analyte	Result	PQL	SPK Ref Val
Lead	172	0.761	

Sample ID: 2408079-001AMS	SampType: MS	TestCode: 6020_S	Units: m
Client ID: BatchQC	Batch ID: 24198	TestNo: SW 6020B	SW3050

QC SUMMARY REPORT

WO#: 2408094
8/16/2024

TestCode: 6020_S

g/Kg-dry	Prep Date: 8/12/2024	RunNo: 55162
B	Analysis Date: 8/13/2024	SeqNo: 715339
%REC	LowLimit	HighLimit
	RPD Ref Val	%RPD
	RPDLimit	Qual
	141	20.3
	20	RMI

g/Kg-dry	Prep Date: 8/12/2024	RunNo: 55162
B	Analysis Date: 8/13/2024	SeqNo: 715340

Analyte	Result	PQL	SPK value	SPK Ref Val
Lead	158	0.831	16.6	141
Sample ID: 2408079-001AMSD SampType: MSD TestCode: 6020_S Units: m SW3050				
Client ID: BatchQC	Batch ID: 24198	TestNo: SW 6020B		
Analyte	Result	PQL	SPK value	SPK Ref Val
Lead	200	0.816	16.3	141
Sample ID: CCV SampType: CCV TestCode: 6020_S Units: m SW3050				
Client ID: CCV	Batch ID: 24198	TestNo: SW 6020B		
Analyte	Result	PQL	SPK value	SPK Ref Val
Arsenic	5.40	0.0100	5.00	0
Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation				
S Spike Recovery outside accepted recovery limits				

%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
103	70	130				
<div> <div> <div>g/Kg-dry</div> <div>Prep Date: 8/12/2024</div> <div>RunNo: 55162</div> </div> <div> <div>B</div> <div>Analysis Date: 8/13/2024</div> <div>SeqNo: 715341</div> </div> </div>						
%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
367	70	130	158	23.8	20	RSMC
<div> <div>g/Kg</div> <div>Prep Date:</div> <div>RunNo: 55162</div> </div> <div> <div>B</div> <div>Analysis Date: 8/13/2024</div> <div>SeqNo: 715343</div> </div>						
%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
108	90	110				B

or analysis exceeded R RPD outside accepted recovery limits

Specialty Analytical

Client: Karl VanZandt
Project: 4740 Main

Sample ID: CCV	SampType: CCV	TestCode: 6020_S	Units: m	
Client ID: CCV	Batch ID: 24198	TestNo: SW 6020B	SW3050	
Analyte	Result	PQL	SPK value	SPK Ref Val
Cadmium	5.03	0.0100	5.00	0
Chromium	5.07	0.100	5.00	0
Lead	4.91	0.0250	5.00	0
Selenium	5.47	0.100	5.00	0
Silver	5.45	0.0100	5.00	0

QC SUMMARY REPORT

WO#: 2408094
8/16/2024

TestCode: 6020_S

ng/Kg		Prep Date:		RunNo: 55162		
B		Analysis Date: 8/13/2024		SeqNo: 715343		
%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
101	90	110				
101	90	110				
98.1	90	110				
109	90	110				B
109	90	110				

Sample ID: CCB	SampType: CCB	TestCode: 6020_S	Units: m
Client ID: CCB	Batch ID: 24198	TestNo: SW 6020B	SW3050
Analyte	Result	PQL	SPK value

Arsenic	ND	0.0100	
Cadmium	ND	0.0100	
Chromium	ND	0.100	
Lead	ND	0.0250	
Selenium	ND	0.100	
Silver	ND	0.0100	

Qualifiers:	B	Analyte detected in the associated Method Blank	H	Holding times for preparation
	S	Spike Recovery outside accepted recovery limits		

g/Kg	Prep Date:	RunNo: 55162
B	Analysis Date: 8/13/2024	SeqNo: 715344
%REC	LowLimit	HighLimit
	RPD RefVal	%RPD
		RPDLimit
		Qual

or analysis exceeded

R

RPD outside accepted recovery limits

Specialty Analytical

Client: Karl VanZandt
Project: 4740 Main

Sample ID: CCV	SampType: CCV	TestCode: 6020_S	Units: m
Client ID: CCV	Batch ID: 24198	TestNo: SW 6020B	SW3050
Analyte	Result	PQL	SPK value
Arsenic	4.72	0.0100	5.00
Cadmium	4.96	0.0100	5.00
Chromium	4.74	0.100	5.00
Lead	4.94	0.0250	5.00
Selenium	4.91	0.100	5.00
Silver	5.16	0.0100	5.00

QC SUMMARY REPORT

WO#: 2408094
8/16/2024

TestCode: 6020_S

ng/Kg		Prep Date:		RunNo: 55162		
B		Analysis Date: 8/13/2024		SeqNo: 715353		
%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
94.5	90	110				B
99.3	90	110				
94.7	90	110				
98.9	90	110				
98.2	90	110				B
103	90	110				

Sample ID: CCB	SampleType: CCB	TestCode: 6020_S	Units: m
Client ID: CCB	Batch ID: 24198	TestNo: SW 6020B	SW3050
Analyte	Result	PQL	SPK value

Arsenic	ND	0.0100	
Cadmium	ND	0.0100	
Chromium	ND	0.100	
Lead	ND	0.0250	
Selenium	ND	0.100	
Silver	ND	0.0100	

Qualifiers:	B	Analyte detected in the associated Method Blank	H	Holding times for preparation
	S	Spike Recovery outside accepted recovery limits		

g/Kg	Prep Date:	RunNo: 55162
B	Analysis Date: 8/13/2024	SeqNo: 715354
%REC	LowLimit	HighLimit
	RPD RefVal	%RPD
		RPDLimit
		Qual

or analysis exceeded

R

RPD outside accepted recovery limits

Specialty Analytical

Client: Karl VanZandt
Project: 4740 Main

Sample ID: ICV	SampType: ICV	TestCode: 6020_S	Units: m	SW3050
Client ID: ICV	Batch ID: 24198	TestNo: SW 6020B		
Analyte	Result	PQL	SPK value	SPK Ref Val
Barium	4.96	0.0500	5.00	0
Lead	4.91	0.0250	5.00	0

Sample ID: CCB	SampType: CCB	TestCode: 6020_S	Units: m	
Client ID: CCB	Batch ID: 24198	TestNo: SW 6020B		SW3050

QC SUMMARY REPORT

WO#: 2408094
8/16/2024

TestCode: 6020_S

g/Kg	Prep Date:	RunNo: 55162
B	Analysis Date: 8/14/2024	SeqNo: 715773
%REC	LowLimit	HighLimit
	RPD Ref Val	%RPD
	RPDLimit	Qual
99.2	90	110
98.3	90	110

g/Kg	Prep Date:	RunNo: 55162
	Analysis Date: 8/14/2024	SeqNo: 715776

Client ID: 000		Batch No: 24198		Test No: SW 6020B		SW3050	
Analyte		Result	PQL	SPK value	SPK Ref Val		
Barium		ND	0.0500				
Lead		ND	0.0250				
Sample ID: CCV		SampType: CCV		TestCode: 6020_S		Units: m	
Client ID: CCV		Batch ID: 24198		TestNo: SW 6020B		SW3050	
Analyte		Result	PQL	SPK value	SPK Ref Val		
Barium		4.75	0.0500	5.00	0		
Lead		4.81	0.0250	5.00	0		
Qualifiers:		B	Analyte detected in the associated Method Blank			H	Holding times for preparation
		S	Spike Recovery outside accepted recovery limits				

Analysis Date: 8/14/2024		Sequence: 110110				
%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

mg/Kg	Prep Date:		RunNo: 55162			
B	Analysis Date: 8/14/2024		SeqNo: 715780			
%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
94.9	90	110				
96.3	90	110				

or analysis exceeded	R	RPD outside accepted recovery limits
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Specialty Analytical

Client: Karl VanZandt
Project: 4740 Main

Sample ID: CCB	SampType: CCB	TestCode: 6020_S	Units: m
Client ID: CCB	Batch ID: 24198	TestNo: SW 6020B	SW3050
Analyte	Result	PQL	SPK Ref Val
Barium	ND	0.0500	
Lead	ND	0.0250	

Sample ID: CCV	SampType: CCV	TestCode: 6020_S	Units: m
Client ID: CCV	Batch ID: 24198	TestNo: SW 6020B	SW3050

QC SUMMARY REPORT

WO#: 2408094
8/16/2024

TestCode: 6020_S

g/Kg	Prep Date:	RunNo: 55162
B	Analysis Date: 8/14/2024	SeqNo: 715781
%REC	LowLimit	HighLimit
	RPD Ref Val	%RPD
		RPDLimit
		Qual

g/Kg	Prep Date:	RunNo: 55162
	Analysis Date: 8/14/2024	SeqNo: 715785

Client ID: CCB		Batch ID: 24198		TestNo: SW 6020B		Units: m		SW3050												
Analyte	Result	PQL	SPK value	SPK Ref Val																
Barium	4.66	0.0500	5.00	0																
Lead	4.79	0.0250	5.00	0																
Sample ID: CCB		SampType: CCB		TestCode: 6020_S		Units: m														
Client ID: CCB		Batch ID: 24198		TestNo: SW 6020B		SW3050														
Analyte	Result	PQL	SPK value	SPK Ref Val																
Barium	ND	0.0500																		
Lead	ND	0.0250																		
Qualifiers:		B	Analyte detected in the associated Method Blank			H	Holding times for preparation													
	S		Spike Recovery outside accepted recovery limits																	

%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
93.2	90	110				
95.8	90	110				
ng/Kg		Prep Date:		RunNo: 55162		
B		Analysis Date: 8/14/2024		SeqNo: 715786		
%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

or analysis exceeded

R

RPD outside accepted recovery limits

Specialty Analytical

Client: Karl VanZandt
Project: 4740 Main

Sample ID: CCV1	16/60	SampType: CCV	TestCode: 8082_O	Units: m
Client ID: CCV		Batch ID: 24202	TestNo: SW 8082A	SW3580
Analyte		Result	PQL	SPK value
Aroclor 1016/1260		10.0	0.500	10.00
				0

Sample ID: MB-24202	SampType: MBLK	TestCode: 8082_O	Units: m
Client ID: PBW	Batch ID: 24202	TestNo: SW 8082A	SW3580

QC SUMMARY REPORT

WO#: 2408094
8/16/2024

TestCode: 8082_O

g/Kg	Prep Date:	RunNo: 55173
A	Analysis Date: 8/12/2024	SeqNo: 715175
%REC	LowLimit	HighLimit
100	85	115
	RPD Ref Val	%RPD
	RPDLimit	Qual

g/Kg	Prep Date:	RunNo: 55173
A	Analysis Date: 8/12/2024	SeqNo: 715176

Analyte	Result	PQL	SPK value	SPK Ref Val
Arodor 1016	ND	0.500		
Arodor 1221	ND	0.500		
Arodor 1232	ND	0.500		
Arodor 1242	ND	0.500		
Arodor 1248	ND	0.500		
Arodor 1254	ND	0.500		
Arodor 1260	ND	0.500		
Arodor 1262	ND	0.500		
Arodor 1268	ND	0.500		
Surr: Decachlorobiphenyl	903		1000	
Qualifiers: <div> <div>B</div> <div>S</div> </div> <div> <div> <div> Analyte detected in the associated Method Blank</div> <div> Spike Recovery outside accepted recovery limits </div> </div> <div>H</div> <div>Holding times for preparation</div> </div>				

%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
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90.3 22.1 116

or analysis exceeded R RPD outside accepted recovery limits

Specialty Analytical

Client: Karl VanZandt
Project: 4740 Main

Sample ID: CCV1	16/60	SampType: CCV	TestCode: 8082_O	Units: m
Client ID: CCV		Batch ID: 24202	TestNo: SW 8082A	SW3580.
Analyte		Result	PQL	SPK value
Aroclor 1016/1260		9.70	0.500	10.00
				0

QC SUMMARY REPORT

WO#: 2408094
8/16/2024

TestCode: 8082_O

g/Kg A	Prep Date:		RunNo: 55173			
	Analysis Date: 8/12/2024		SeqNo: 715178			
	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit

Qualifiers:			
B	Analvte detected in the associated Method Blank	H	Holding times for preparation
S	Spike Recovery outside accepted recovery limits		

or analysis exceeded

R RPD outside accepted recovery limits

Specialty Analytical

Client: Karl VanZandt
Project: 4740 Main

Sample ID: LCS	SampType: LCS	TestCode: 8260_O	Units: m
Client ID: LCSS	Batch ID: 24214	TestNo: SW8260D	SW 5030
Analyte	Result	PQL	SPK value
1,1,1,2-Tetrachloroethane	1.86	0.0500	2.00
1,1,1-Trichloroethane	2.39	0.0500	2.00
1,1,2,2-Tetrachloroethane	1.71	0.0500	2.00
1,1,2-Trichloroethane	1.94	0.0500	2.00
1,1-Dichloroethane	2.19	0.0500	2.00
1,1-Dichloroethane	2.28	0.0500	2.00

QC SUMMARY REPORT

WO#: 2408094
8/16/2024

TestCode: 8260_O

mg/Kg		Prep Date:		RunNo: 55178			
B		Analysis Date: 8/12/2024		SeqNo: 715223			
	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
	93.0	80	120				
	120	80	120				
	85.4	80	120				
	97.2	80	120				
	110	80	120				
	114	61.3	143				

1,1-Dichloroethane	2.28	0.0500	2.00	0
1,1-Dichloropropene	2.28	0.0500	2.00	0
1,2,3-Trichlorobenzene	1.68	0.0500	2.00	0
1,2,3-Trichloropropane	2.02	0.0500	2.00	0
1,2,4-Trichlorobenzene	1.73	0.0500	2.00	0
1,2,4-Trimethylbenzene	1.74	0.0500	2.00	0
1,2-Dibromo-3-chloropropane	1.91	0.0500	2.00	0
1,2-Dibromoethane	1.85	0.0500	2.00	0
1,2-Dichlorobenzene	1.80	0.0500	2.00	0
1,2-Dichloroethane	2.20	0.0500	2.00	0
1,2-Dichloropropane	2.08	0.0500	2.00	0
1,3,5-Trimethylbenzene	1.74	0.0500	2.00	0
1,3-Dichlorobenzene	1.79	0.0500	2.00	0
1,3-Dichloropropane	2.05	0.0500	2.00	0
1,4-Dichlorobenzene	1.72	0.0500	2.00	0
2,2-Dichloropropane	2.78	0.0500	2.00	0
2-Butanone	4.41	0.100	4.00	0
2-Chloroethyl vinyl ether	2.38	0.0500	2.00	0

Qualifiers: B S Analyte detected in the associated Method Blank
Spike Recovery outside accepted recovery limits

H Holding times for preparation

114	80	120	
83.9	80	120	
101	80	120	
86.5	80	120	
87.0	80	120	
95.6	80	120	
92.6	80	120	
90.0	80	120	
110	80	120	
104	80	120	
87.0	80	120	
89.3	80	120	
103	80	120	
86.0	80	120	
139	80	120	
110	80	120	
119	80	120	
or analysis exceeded			R RPD outside accepted recovery limits

SSC

Specialty Analytical

Client: Karl VanZandt
Project: 4740 Main

Sample ID: LCS	SampType: LCS	TestCode: 8260_O	Units: m
Client ID: LCSS	Batch ID: 24214	TestNo: SW8260D	SW 5030
Analyte	Result	PQL	SPK value
2-Chlorotoluene	1.73	0.0500	2.00
2-Hexanone	4.07	0.100	4.00
4-Chlorotoluene	1.83	0.0500	2.00
4-Isopropyltoluene	1.71	0.0500	2.00
4-Methyl-2-pentanone	3.86	0.100	4.00
Acetone	4.64	0.250	4.00

QC SUMMARY REPORT

WO#: 2408094
8/16/2024

TestCode: 8260_O

mg/Kg	Prep Date:		RunNo: 55178				
	Analysis Date: 8/12/2024		SeqNo: 715223				
B	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

102 80 120

91.6 80 120

85.3 80 120

96.6 80 120

116 80 120

Acrolein	4.28	0.0500	4.00	0
Benzene	2.08	0.0500	2.00	0
Bromobenzene	1.89	0.0500	2.00	0
Bromochloromethane	2.33	0.0500	2.00	0
Bromodichloromethane	2.15	0.0500	2.00	0
Bromoform	2.11	0.0500	2.00	0
Bromomethane	1.61	0.0500	2.00	0
Carbon disulfide	2.26	0.0500	2.00	0
Carbon tetrachloride	2.18	0.0500	2.00	0
Chlorobenzene	1.97	0.0500	2.00	0
Chloroethane	1.97	0.0500	2.00	0
Chloroform	2.21	0.0500	2.00	0
Chloromethane	1.88	0.0500	2.00	0
cis-1,2-Dichloroethene	2.24	0.0500	2.00	0
cis-1,3-Dichloropropene	2.03	0.0500	2.00	0
Dibromochloromethane	1.89	0.0500	2.00	0
Dibromomethane	2.26	0.0500	2.00	0

Qualifiers: B Analyte detected in the associated Method Blank
S Spike Recovery outside accepted recovery limits

H Holding times for preparation

107	80	120
104	79.2	133
94.3	80	120
117	80	120
108	80	120
106	80	120
80.4	80	120
113	80	120
109	80	120
98.4	78.2	126
98.6	80	120
110	80	120
94.1	80	120
112	80	120
102	80	120
94.5	80	120
113	80	120
or analysis exceeded	R	RPD outside accepted recovery limits

Specialty Analytical

Client: Karl VanZandt
Project: 4740 Main

Sample ID: LCS	SampType: LCS	TestCode: 8260_O	Units: m
Client ID: LCSS	Batch ID: 24214	TestNo: SW8260D	SW 5030
Analyte	Result	PQL	SPK value
Dichlorodifluoromethane	2.14	0.0500	2.00
Ethylbenzene	1.88	0.0500	2.00
Hexachlorobutadiene	1.93	0.0500	2.00
Isopropylbenzene	1.87	0.0500	2.00
m,p-Xylene	3.86	0.250	4.00
Methyl tert-butyl ether	2.52	0.0500	2.00

QC SUMMARY REPORT

WO#: 2408094
8/16/2024

TestCode: 8260_O

mg/Kg		Prep Date:		RunNo: 55178		
B		Analysis Date: 8/12/2024		SeqNo: 715223		
%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

107	80	120				
94.0	80	120				
96.4	80	120				
93.3	80	120				
96.5	80	120				
126	80	120				SSC

Methyl tert-butyl ether	0.0000	2.00	0
Methylene chloride	2.09	0.250	0
Naphthalene	1.83	0.0500	0
n-Butylbenzene	1.71	0.0500	0
n-Propylbenzene	1.74	0.0500	0
o-Xylene	1.91	0.0500	0
sec-Butylbenzene	1.68	0.0500	0
Styrene	1.91	0.0500	0
tert-Butylbenzene	1.93	0.0500	0
Tetrachloroethene	1.63	0.0500	0
Toluene	1.96	0.0500	0
trans-1,2-Dichloroethene	2.16	0.0500	0
trans-1,3-Dichloropropene	1.97	0.0500	0
Trichloroethene	2.16	0.0500	0
Trichlorofluoromethane	2.28	0.0500	0
Vinyl chloride	2.07	0.0500	0

Qualifiers:	B	Analyte detected in the associated Method Blank		H	Holding times for preparation
		S	Spike Recovery outside accepted recovery limits		

00

120

80

104

120

104

120

91.4

120

85.7

120

87.1

120

95.6

120

84.2

120

95.4

120

96.4

120

81.7

120

98.0

130

108

120

98.3

120

108

129

114

120

104

120

or analysis exceeded	R	RPD outside accepted recovery limits
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Specialty Analytical

Client: Karl VanZandt
Project: 4740 Main

Sample ID: CCV	SampType: CCV	TestCode: 8260_O	Units: m
Client ID: CCV	Batch ID: 24214	TestNo: SW8260D	SW 5030
Analyte	Result	PQL	SPK value
1,1,1,2-Tetrachloroethane	1.86	0.0500	2.00
1,1,1-Trichloroethane	2.39	0.0500	2.00
1,1,2,2-Tetrachloroethane	1.71	0.0500	2.00
1,1,2-Trichloroethane	1.94	0.0500	2.00
1,1-Dichloroethane	2.19	0.0500	2.00
1,1-Dichloroethane	2.28	0.0500	2.00

QC SUMMARY REPORT

WO#: 2408094
8/16/2024

TestCode: 8260_O

mg/Kg		Prep Date:		RunNo: 55178			
B		Analysis Date: 8/12/2024		SeqNo: 715224			
	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
	93.0	80	120				
	120	80	120				
	85.4	80	120				
	97.2	80	120				
	110	80	120				
	114	80	120				

1,1-Dichloroethane	2.28	0.0500	2.00
1,1-Dichloropropene	2.28	0.0500	2.00
1,2,3-Trichlorobenzene	1.68	0.0500	2.00
1,2,3-Trichloropropane	2.02	0.0500	2.00
1,2,4-Trichlorobenzene	1.73	0.0500	2.00
1,2,4-Trimethylbenzene	1.74	0.0500	2.00
1,2-Dibromo-3-chloropropane	1.91	0.0500	2.00
1,2-Dibromoethane	1.85	0.0500	2.00
1,2-Dichlorobenzene	1.80	0.0500	2.00
1,2-Dichloroethane	2.20	0.0500	2.00
1,2-Dichloropropane	2.08	0.0500	2.00
1,3,5-Trimethylbenzene	1.74	0.0500	2.00
1,3-Dichlorobenzene	1.79	0.0500	2.00
1,3-Dichloropropane	2.05	0.0500	2.00
1,4-Dichlorobenzene	1.72	0.0500	2.00
2,2-Dichloropropane	2.78	0.0500	2.00
2-Butanone	4.41	0.100	4.00
2-Chloroethyl vinyl ether	2.38	0.0500	2.00

Qualifiers: B S Analyte detected in the associated Method Blank
Spike Recovery outside accepted recovery limits

H Holding times for preparation

Specialty Analytical

Client: Karl VanZandt
Project: 4740 Main

Sample ID: CCV	SampType: CCV	TestCode: 8260_O	Units: m
Client ID: CCV	Batch ID: 24214	TestNo: SW8260D	SW 5030
Analyte	Result	PQL	SPK value
2-Chlorotoluene	1.73	0.0500	2.00
2-Hexanone	4.07	0.100	4.00
4-Chlorotoluene	1.83	0.0500	2.00
4-Isopropyltoluene	1.71	0.0500	2.00
4-Methyl-2-pentanone	3.86	0.100	4.00
Acetone	4.64	0.250	4.00

QC SUMMARY REPORT

WO#: 2408094
8/16/2024

TestCode: 8260_O

mg/Kg	Prep Date:		RunNo: 55178				
	Analysis Date: 8/12/2024		SeqNo: 715224				
B	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
	86.7		80	120			
	102		80	120			
	91.6		80	120			
	85.3		80	120			
	96.6		80	120			
116		80		120			

Acrolein	4.28	0.0500	4.00	0
Benzene	2.08	0.0500	2.00	0
Bromobenzene	1.89	0.0500	2.00	0
Bromochloromethane	2.33	0.0500	2.00	0
Bromodichloromethane	2.15	0.0500	2.00	0
Bromoform	2.11	0.0500	2.00	0
Bromomethane	1.61	0.0500	2.00	0
Carbon disulfide	2.26	0.0500	2.00	0
Carbon tetrachloride	2.18	0.0500	2.00	0
Chlorobenzene	1.97	0.0500	2.00	0
Chloroethane	1.97	0.0500	2.00	0
Chloroform	2.21	0.0500	2.00	0
Chloromethane	1.88	0.0500	2.00	0
cis-1,2-Dichloroethene	2.24	0.0500	2.00	0
cis-1,3-Dichloropropene	2.03	0.0500	2.00	0
Dibromochloromethane	1.89	0.0500	2.00	0
Dibromomethane	2.26	0.0500	2.00	0

Qualifiers: B Analyte detected in the associated Method Blank
S Spike Recovery outside accepted recovery limits

H Holding times for preparation

107	80	120
104	80	120
94.3	80	120
117	80	120
108	80	120
106	80	120
80.4	80	120
113	80	120
109	80	120
98.4	80	120
98.6	80	120
110	80	120
94.1	80	120
112	80	120
102	80	120
94.5	80	120
113	80	120

or analysis exceeded

R

RPD outside accepted recovery limits

Specialty Analytical

Client: Karl VanZandt
Project: 4740 Main

Sample ID: CCV	SampType: CCV	TestCode: 8260_O	Units: m
Client ID: CCV	Batch ID: 24214	TestNo: SW8260D	SW 5030
Analyte	Result	PQL	SPK value
Dichlorodifluoromethane	2.14	0.0500	2.00
Ethylbenzene	1.88	0.0500	2.00
Hexachlorobutadiene	1.93	0.0500	2.00
Isopropylbenzene	1.87	0.0500	2.00
m,p-Xylene	3.86	0.250	4.00
Methyl tert-butyl ether	2.52	0.0500	2.00

QC SUMMARY REPORT

WO#: 2408094
8/16/2024

TestCode: 8260_O

mg/Kg	Prep Date:		RunNo: 55178				
	Analysis Date: 8/12/2024		SeqNo: 715224				
B	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

107		80	120				
94.0		80	120				
96.4		80	120				
93.3		80	120				
96.5		80	120				
126		80	120				
							SSC

Qualifiers:	B	Analyte detected in the associated Method Blank Spike Recovery outside accepted recovery limits	H	Holding times for preparation
Methylene chloride	2.09	0.0500	2.00	0
Naphthalene	1.83	0.0500	2.00	0
n-Butylbenzene	1.71	0.0500	2.00	0
n-Propylbenzene	1.74	0.0500	2.00	0
o-Xylene	1.91	0.0500	2.00	0
sec-Butylbenzene	1.68	0.0500	2.00	0
Styrene	1.91	0.0500	2.00	0
tert-Butylbenzene	1.93	0.0500	2.00	0
Tetrachloroethene	1.63	0.0500	2.00	0
Toluene	1.96	0.0500	2.00	0
trans-1,2-Dichloroethene	2.16	0.0500	2.00	0
trans-1,3-Dichloropropene	1.97	0.0500	2.00	0
Trichloroethene	2.16	0.0500	2.00	0
Trichlorofluoromethane	2.28	0.0500	2.00	0
Vinyl chloride	2.07	0.0500	2.00	0

Specialty Analytical

Client: Karl VanZandt
Project: 4740 Main

Sample ID: MBLK	SampType: MBLK	TestCode: 8260_O	Units: m
Client ID: PBS	Batch ID: 24214	TestNo: SW8260D	SW 5030
Analyte	Result	PQL	SPK value
1,1,1,2-Tetrachloroethane	ND	0.0500	SPK Ref Val
1,1,1-Trichloroethane	ND	0.0500	
1,1,2,2-Tetrachloroethane	ND	0.0500	
1,1,2-Trichloroethane	ND	0.0500	
1,1-Dichloroethane	ND	0.0500	
1,1-Dichloroethane	ND	0.0500	

QC SUMMARY REPORT

WO#: 2408094
8/16/2024

TestCode: 8260_O

g/Kg	Prep Date:	RunNo: 55178
B	Analysis Date: 8/12/2024	SeqNo: 715225
%REC	LowLimit	HighLimit
	RPD Ref Val	%RPD
		RPDLimit
		Qual

1,1-Dichloropropene	ND	0.0500
1,2,3-Trichlorobenzene	ND	0.0500
1,2,3-Trichloropropane	ND	0.0500
1,2,4-Trichlorobenzene	ND	0.0500
1,2,4-Trimethylbenzene	ND	0.0500
1,2-Dibromo-3-chloropropane	ND	0.0500
1,2-Dibromoethane	ND	0.0500
1,2-Dichlorobenzene	ND	0.0500
1,2-Dichloroethane	ND	0.0500
1,2-Dichloropropane	ND	0.0500
1,3,5-Trimethylbenzene	ND	0.0500
1,3-Dichlorobenzene	ND	0.0500
1,3-Dichloropropane	ND	0.0500
1,4-Dichlorobenzene	ND	0.0500
2,2-Dichloropropane	ND	0.0500
2-Butanone	ND	0.100
2-Chloroethyl vinyl ether	ND	0.0500

Qualifiers:	B	Analvte detected in the associated Method Blank	H	Holding times for preparation
	S	Spike Recovery outside accepted recovery limits		

or analysis exceeded

R RPD outside accepted recovery limits

Specialty Analytical

Client: Karl VanZandt
Project: 4740 Main

Sample ID: MBLK	SampType: MBLK	TestCode: 8260_O	Units: m
Client ID: PBS	Batch ID: 24214	TestNo: SW8260D	SW 5030
Analyte	Result	PQL	SPK value
2-Chlorotoluene	ND	0.0500	SPK Ref Val
2-Hexanone	ND	0.100	
4-Chlorotoluene	ND	0.0500	
4-Isopropyltoluene	ND	0.0500	
4-Methyl-2-pentanone	ND	0.100	
Acetone	ND	0.250	

QC SUMMARY REPORT

WO#: 2408094
8/16/2024

TestCode: 8260_O

g/Kg	Prep Date:	RunNo: 55178
B	Analysis Date: 8/12/2024	SeqNo: 715225
%REC	LowLimit	HighLimit
	RPD Ref Val	%RPD
		RPDLimit
		Qual

Acrolein	ND	0.0500
Benzene	ND	0.0500
Bromobenzene	ND	0.0500
Bromochloromethane	ND	0.0500
Bromodichloromethane	ND	0.0500
Bromoform	ND	0.0500
Bromomethane	ND	0.0500
Carbon disulfide	ND	0.0500
Carbon tetrachloride	ND	0.0500
Chlorobenzene	ND	0.0500
Chloroethane	ND	0.0500
Chloroform	ND	0.0500
Chloromethane	ND	0.0500
cis-1,2-Dichloroethene	ND	0.0500
cis-1,3-Dichloropropene	ND	0.0500
Dibromochloromethane	ND	0.0500
Dibromomethane	ND	0.0500

Qualifiers:	B	Analvte detected in the associated Method Blank	H	Holding times for preparation
	S	Spike Recovery outside accepted recovery limits		

or analysis exceeded

R

RPD outside accepted recovery limits

Specialty Analytical

Client: Karl VanZandt
Project: 4740 Main

Sample ID: MBLK	SampType: MBLK	TestCode: 8260_O	Units: m
Client ID: PBS	Batch ID: 24214	TestNo: SW8260D	SW 5030
Analyte	Result	PQL	SPK value
Dichlorodifluoromethane	ND	0.0500	SPK Ref Val
Ethylbenzene	ND	0.0500	
Hexachlorobutadiene	ND	0.0500	
Isopropylbenzene	ND	0.0500	
m,p-Xylene	ND	0.250	
Methyl tert-butyl ether	ND	0.0500	

QC SUMMARY REPORT

WO#: 2408094
8/16/2024

TestCode: 8260_O

g/Kg	Prep Date:	RunNo: 55178
B	Analysis Date: 8/12/2024	SeqNo: 715225
%REC	LowLimit	HighLimit
	RPD Ref Val	%RPD
		RPDLimit
		Qual

Methylene chloride	ND	0.250	0.0000
Naphthalene	ND	0.0500	
n-Butylbenzene	ND	0.0500	
n-Propylbenzene	ND	0.0500	
o-Xylene	ND	0.0500	
sec-Butylbenzene	ND	0.0500	
Styrene	ND	0.0500	
tert-Butylbenzene	ND	0.0500	
Tetrachloroethene	ND	0.0500	
Toluene	ND	0.0500	
trans-1,2-Dichloroethene	ND	0.0500	
trans-1,3-Dichloropropene	ND	0.0500	
Trichloroethene	ND	0.0500	
Trichlorofluoromethane	ND	0.0500	
Vinyl chloride	ND	0.0500	
Surr: 1,2-Dichloroethane-d4	5510	5000	
Surr: 4-Bromofluorobenzene	5300	5000	
Qualifiers:	B	H	Holding times for preparation
	S		
	Analyte detected in the associated Method Blank		
	Spike Recovery outside accepted recovery limits		

110	71.5	122	R RPD outside accepted recovery limits
106	75.7	122	

or analysis exceeded

Specialty Analytical

Client: Karl VanZandt
Project: 4740 Main

Sample ID: MBLK	SampType: MBLK	TestCode: 8260_O	Units: m
Client ID: PBS	Batch ID: 24214	TestNo: SW8260D	SW 5030
Analyte	Result	PQL	SPK value
Surr: Dibromofluoromethane	5440		5000
Surr: Toluene-d8	4610		5000

Sample ID: 2408096-001MS	SampType: MS	TestCode: 8260_O	Units: m
Client ID: BatchQC	Batch ID: 24214	TestNo: SW8260D	SW 5030

QC SUMMARY REPORT

WO#: 2408094
8/16/2024

TestCode: 8260_O

g/Kg	Prep Date:	RunNo: 55178
B	Analysis Date: 8/12/2024	SeqNo: 715225
%REC	LowLimit	HighLimit
	RPD Ref Val	%RPD
	RPDLimit	Qual
109	64.3	124
92.2	74.9	120

g/Kg-dry	Prep Date:	RunNo: 55178
B	Analysis Date: 8/12/2024	SeqNo: 715227

Client ID: 1214	Sample	Batch ID: 1214	Point: 1214	SPK Ref Val	SPK value	H	Holding times for preparation
Analyte	Result	PQL	SPK value	SPK Ref Val			
1,1,1,2-Tetrachloroethane	2.15	0.0530	2.12	0			
1,1,1-Trichloroethane	2.81	0.0530	2.12	0			
1,1,2,2-Tetrachloroethane	1.73	0.0530	2.12	0			
1,1,2-Trichloroethane	2.23	0.0530	2.12	0			
1,1-Dichloroethane	2.57	0.0530	2.12	0			
1,1-Dichloroethene	2.79	0.0530	2.12	0			
1,1-Dichloropropene	2.75	0.0530	2.12	0			
1,2,3-Trichlorobenzene	1.62	0.0530	2.12	0			
1,2,3-Trichloropropane	2.12	0.0530	2.12	0			
1,2,4-Trichlorobenzene	1.82	0.0530	2.12	0			
1,2,4-Trimethylbenzene	2.03	0.0530	2.12	0			
1,2-Dibromo-3-chloropropane	1.75	0.0530	2.12	0			
1,2-Dibromoethane	2.10	0.0530	2.12	0			
1,2-Dichlorobenzene	1.97	0.0530	2.12	0			
Qualifiers:							
B	Analyte detected in the associated Method Blank						
S	Spike Recovery outside accepted recovery limits						

%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
101	80	120				SMI
133	80	120				
81.5	80	120				
105	80	120				
121	80	120				SMI
131	47.5	143.6				
130	80	120				SMI
76.6	80	120				SMI
100	80	120				
85.9	80	120				
95.9	80	120				
82.5	80	120				
99.1	80	120				
93.0	80	120				

or analysis exceeded R RPD outside accepted recovery limits

Specialty Analytical

Client: Karl VanZandt
Project: 4740 Main

Sample ID: 2408096-001MS	SampType: MS	TestCode: 8260_O	Units: m
Client ID: BatchQC	Batch ID: 24214	TestNo: SW8260D	SW 5030
Analyte	Result	PQL	SPK value
1,2-Dichloroethane	2.36	0.0530	2.12
1,2-Dichloropropane	2.34	0.0530	2.12
1,3,5-Trimethylbenzene	2.04	0.0530	2.12
1,3-Dichlorobenzene	2.03	0.0530	2.12
1,3-Dichloropropane	2.39	0.0530	2.12
1,4-Dichlorobenzene	1.94	0.0530	2.12

QC SUMMARY REPORT

WO#: 2408094
8/16/2024

TestCode: 8260_O

mg/Kg-dry		Prep Date:		RunNo: 55178	
B		Analysis Date: 8/12/2024		SeqNo: 715227	
%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit Qual

111	80	120			
110	80	120			
96.2	80	120			
95.9	80	120			
113	80	120			
91.6	80	120			

1,1-Dichlorobenzene	3.01	0.0530	2.12	0
2,2-Dichloropropane	3.01	0.0530	2.12	0
2-Butanone	4.37	0.106	4.24	0
2-Chloroethyl vinyl ether	3.16	0.0530	2.12	0
2-Chlorotoluene	2.13	0.0530	2.12	0
2-Hexanone	4.11	0.106	4.24	0
4-Chlorotoluene	2.02	0.0530	2.12	0
4-Isopropyltoluene	2.06	0.0530	2.12	0
4-Methyl-2-pentanone	4.03	0.106	4.24	0
Acetone	4.31	0.265	4.24	0
Acrolein	4.35	0.0530	4.24	0
Benzene	2.38	0.0530	2.12	0
Bromobenzene	2.13	0.0530	2.12	0
Bromochloromethane	2.45	0.0530	2.12	0
Bromodichloromethane	2.32	0.0530	2.12	0
Bromoform	2.11	0.0530	2.12	0
Bromomethane	0.355	0.0530	2.12	0
Carbon disulfide	2.64	0.0530	2.12	0

Qualifiers: B Analvte detected in the associated Method Blank
S Spike Recovery outside accepted recovery limits

H Holding times for preparation

142	80	120	S
103	80	120	
149	80	120	S
100	80	120	
97.0	80	120	
95.1	80	120	
97.3	80	120	
95.2	80	120	
102	80	120	
103	80	120	
112	51.2	133.4	
100	80	120	
116	80	120	
109	80	120	
99.6	80	120	
16.7	80	120	SMI
125	80	120	SMI
or analysis exceeded			
	R	RPD outside accepted recovery limits	

Specialty Analytical

Client: Karl VanZandt
Project: 4740 Main

Sample ID: 2408096-001MS	SampType: MS	TestCode: 8260_O	Units: m
Client ID: BatchQC	Batch ID: 24214	TestNo: SW8260D	SW 5030
Analyte	Result	PQL	SPK value
Carbon tetrachloride	2.50	0.0530	2.12
Chlorobenzene	2.24	0.0530	2.12
Chloroethane	1.74	0.0530	2.12
Chloroform	2.52	0.0530	2.12
Chloromethane	2.11	0.0530	2.12
cis-1,2-Dichloroethane	2.57	0.0530	2.12

QC SUMMARY REPORT

WO#: 2408094
8/16/2024

TestCode: 8260_O

mg/Kg-dry		Prep Date:	RunNo: 55178	
B		Analysis Date: 8/12/2024	SeqNo: 715227	
%REC	LowLimit	HighLimit	RPD Ref Val	%RPD RPDLimit Qual

118	80	120		
106	56.7	136.1		
82.1	80	120		
119	80	120		
99.6	80	120		
121	80	120		SMI

Qualifiers:	B S	Analyte detected in the associated Method Blank Spike Recovery outside accepted recovery limits	H	Holding times for preparation
cis-1,3-Dichloropropene		2.67	0.0530	2.12
Dibromochloromethane		2.08	0.0530	2.12
Dibromomethane		2.38	0.0530	2.12
Dichlorodifluoromethane		2.26	0.0530	2.12
Ethylbenzene		2.24	0.0530	2.12
Hexachlorobutadiene		2.20	0.0530	2.12
Isopropylbenzene		2.20	0.0530	2.12
m,p-Xylene		4.33	0.265	4.24
Methyl tert-butyl ether		2.68	0.0530	2.12
Methylene chloride		2.33	0.265	2.12
Naphthalene		1.58	0.0530	2.12
n-Butylbenzene		2.04	0.0530	2.12
n-Propylbenzene		2.05	0.0530	2.12
o-Xylene		2.12	0.0530	2.12
sec-Butylbenzene		2.09	0.0530	2.12
Styrene		2.12	0.0530	2.12
tert-Butylbenzene		2.26	0.0530	2.12

Sum

		R	RPD outside accepted recovery limits
S	105	80	120
	98.1	80	120
	112	80	120
	106	80	120
	106	80	120
	104	80	120
	104	80	120
	102	80	120
	127	80	120
	110	80	120
	74.6	80	120
	96.3	80	120
	96.7	80	120
	100	80	120
	98.4	80	120
	100	80	120
	106	80	120
SMI	or analysis exceeded		

R	RPD outside accepted recovery limits
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Specialty Analytical

Client: Karl VanZandt
Project: 4740 Main

Sample ID: 2408096-001MS	SampType: MS	TestCode: 8260_O	Units: m
Client ID: BatchQC	Batch ID: 24214	TestNo: SW8260D	SW 5030
Analyte	Result	PQL	SPK value
Tetrachloroethene	2.14	0.0530	2.12
Toluene	2.40	0.0530	2.12
trans-1,2-Dichloroethene	2.61	0.0530	2.12
trans-1,3-Dichloropropene	2.24	0.0530	2.12
Trichloroethene	2.58	0.0530	2.12
Trichlorofluoromethane	3.24	0.0530	2.12

QC SUMMARY REPORT

WO#: 2408094
8/16/2024

TestCode: 8260_O

g/Kg-dry		Prep Date:	RunNo: 55178	
B		Analysis Date: 8/12/2024	SeqNo: 715227	
%REC	LowLimit	HighLimit	RPD Ref Val	%RPD RPDLimit Qual

101	80	120		
113	48.7	140.8		
123	80	120		SMI
105	80	120		
122	61.1	139.4		
153	80	120		SMI

1,1,1,2-Tetrachloroethane	0.0530	2.12	0
Vinyl chloride	1.23	0.0530	2.12
Sample ID: 2408096-001MSD		SampType: MSD	Units: m
Client ID: BatchQC		Batch ID: 24214	TestCode: 8260_O
			TestNo: SW8260D
Analyte		Result	SPK value
			PQL
1,1,1,2-Tetrachloroethane		2.10	0.0530
1,1,1,1-Trichloroethane		2.72	0.0530
1,1,2,2-Tetrachloroethane		1.78	0.0530
1,1,2-Trichloroethane		2.15	0.0530
1,1-Dichloroethane		2.47	0.0530
1,1-Dichloroethene		2.68	0.0530
1,1-Dichloropropene		2.63	0.0530
1,2,3-Trichlorobenzene		1.71	0.0530
1,2,3-Trichloropropane		2.16	0.0530
Qualifiers:		B	H
		Analyte detected in the associated Method Blank	
		S	Holding times for preparation
		Spike Recovery outside accepted recovery limits	

58.2 80 120 SMI

g/Kg-dry		Prep Date:		RunNo: 55178	
B		Analysis Date: 8/12/2024		SeqNo: 715228	
%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit Qual
99.1	80	120	2.15	2.10	30
128	80	120	2.81	3.41	30 SMI
83.9	80	120	1.73	2.99	30
102	80	120	2.23	3.51	30
116	80	120	2.57	4.08	30
127	47.5	143.6	2.79	3.68	30
124	80	120	2.75	4.49	30 SMI
80.7	80	120	1.62	5.21	30
102	80	120	2.12	2.03	30

or analysis exceeded R RPD outside accepted recovery limits

Specialty Analytical

Client: Karl VanZandt
Project: 4740 Main

Sample ID: 2408096-001MSD	SampType: MSD	TestCode: 8260_O	Units: m
Client ID: BatchQC	Batch ID: 24214	TestNo: SW8260D	SW 5030
Analyte	Result	PQL	SPK value
1,2,4-Trichlorobenzene	1.87	0.0530	2.12
1,2,4-Trimethylbenzene	2.00	0.0530	2.12
1,2-Dibromo-3-chloropropane	1.80	0.0530	2.12
1,2-Dibromoethane	2.04	0.0530	2.12
1,2-Dichlorobenzene	1.95	0.0530	2.12
1,2-Dichloroethane	2.26	0.0530	2.12

QC SUMMARY REPORT

WO#: 2408094
8/16/2024

TestCode: 8260_O

g/Kg-dry		Prep Date:		RunNo: 55178	
B		Analysis Date: 8/12/2024		SeqNo: 715228	
%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit Qual
88.0	80	120	1.82	2.44	30
94.4	80	120	2.03	1.55	30
84.9	80	120	1.75	2.87	30
96.4	80	120	2.10	2.84	30
92.1	80	120	1.97	1.05	30
107	80	120	2.36	4.45	30

Qualifiers:	B	Analyte detected in the associated Method Blank Spike Recovery outside accepted recovery limits	H	Holding times for preparation
1,2-Dichloropropane	2.25	0.0530	2.12	0
1,3,5-Trimethylbenzene	2.02	0.0530	2.12	0
1,3-Dichlorobenzene	1.98	0.0530	2.12	0
1,3-Dichloropropane	2.30	0.0530	2.12	0
1,4-Dichlorobenzene	1.88	0.0530	2.12	0
2,2-Dichloropropane	2.91	0.0530	2.12	0
2-Butanone	4.33	0.106	4.24	0
2-Chloroethyl vinyl ether	3.05	0.0530	2.12	0
2-Chlorotoluene	2.12	0.0530	2.12	0
2-Hexanone	4.00	0.106	4.24	0
4-Chlorotoluene	2.00	0.0530	2.12	0
4-Isopropyltoluene	2.00	0.0530	2.12	0
4-Methyl-2-pentanone	3.99	0.106	4.24	0
Acetone	4.18	0.265	4.24	0
Acrolein	4.43	0.0530	4.24	0
Benzene	2.30	0.0530	2.12	0
Bromobenzene	2.20	0.0530	2.12	0

106	80	120	2.34	3.62	30	
95.5	80	120	2.04	0.730	30	
93.5	80	120	2.03	2.61	30	
108	80	120	2.39	3.80	30	
88.7	80	120	1.94	3.16	30	
137	80	120	3.01	3.47	30	S
102	80	120	4.37	0.864	30	
144	80	120	3.16	3.55	30	S
99.9	80	120	2.13	0.325	30	
94.3	80	120	4.11	2.77	30	
94.3	80	120	2.02	0.818	30	
94.4	80	120	2.06	3.05	30	
94.2	80	120	4.03	0.990	30	
98.6	80	120	4.31	3.03	30	
105	80	120	4.35	1.79	30	
108	51.2	133.4	2.38	3.53	30	
104	80	120	2.13	3.28	30	

or analysis exceeded

R RPD outside accepted recovery limits

Specialty Analytical

Client: Karl VanZandt
Project: 4740 Main

Sample ID: 2408096-001MSD	SampType: MSD	TestCode: 8260_O	Units: m
Client ID: BatchQC	Batch ID: 24214	TestNo: SW8260D	SW 5030
Analyte	Result	PQL	SPK value
Bromochloromethane	2.43	0.0530	2.12
Bromodichloromethane	2.23	0.0530	2.12
Bromoform	2.08	0.0530	2.12
Bromomethane	0.386	0.0530	2.12
Carbon disulfide	2.59	0.0530	2.12
Carbon tetrachloride	2.37	0.0530	2.12

QC SUMMARY REPORT

WO#: 2408094
8/16/2024

TestCode: 8260_O

mg/Kg-dry		Prep Date:		RunNo: 55178	
B		Analysis Date: 8/12/2024		SeqNo: 715228	
%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit Qual

115	80	120	2.45	0.869	30
105	80	120	2.32	4.13	30
97.9	80	120	2.11	1.72	30
18.2	80	120	0.355	8.45	30 SMI
122	80	120	2.64	1.90	30 SMI
112	80	120	2.50	5.37	30

Carbon tetrachloride	2.07	0.0530	2.12	0
Chlorobenzene	2.17	0.0530	2.12	0
Chloroethane	1.78	0.0530	2.12	0
Chloroform	2.42	0.0530	2.12	0
Chloromethane	2.19	0.0530	2.12	0
cis-1,2-Dichloroethene	2.50	0.0530	2.12	0
cis-1,3-Dichloropropene	2.15	0.0530	2.12	0
Dibromochloromethane	2.07	0.0530	2.12	0
Dibromomethane	2.33	0.0530	2.12	0
Dichlorodifluoromethane	2.25	0.0530	2.12	0
Ethylbenzene	2.13	0.0530	2.12	0
Hexachlorobutadiene	2.24	0.0530	2.12	0
Isopropylbenzene	2.06	0.0530	2.12	0
m,p-Xylene	4.14	0.265	4.24	0
Methyl tert-butyl ether	2.80	0.0530	2.12	0
Methylene chloride	2.30	0.265	2.12	0
Naphthalene	1.82	0.0530	2.12	0
n-Butylbenzene	1.95	0.0530	2.12	0

Qualifiers: B Analyte detected in the associated Method Blank
S Spike Recovery outside accepted recovery limits

H Holding times for preparation

102	56.7	136.1	2.24	3.24	30
84.0	80	120	1.74	2.32	30
114	80	120	2.52	4.18	30
103	80	120	2.11	3.62	30
118	80	120	2.57	3.07	30
101	80	120	2.23	3.42	30
97.4	80	120	2.08	0.741	30
110	80	120	2.38	1.89	30
106	80	120	2.26	0.282	30
100	80	120	2.24	5.07	30
106	80	120	2.20	1.76	30
97.0	80	120	2.20	6.58	30
97.7	80	120	4.33	4.48	30
132	80	120	2.68	4.06	30
108	80	120	2.33	1.58	30
85.7	80	120	1.58	13.9	30
91.9	80	120	2.04	4.60	30
or analysis exceeded					
R RPD outside accepted recovery limits					

Specialty Analytical

Client: Karl VanZandt
Project: 4740 Main

Sample ID: 2408096-001MSD	SampType: MSD	TestCode: 8260_O	Units: m
Client ID: BatchQC	Batch ID: 24214	TestNo: SW8260D	SW 5030
Analyte	Result	PQL	SPK value
n-Propylbenzene	2.10	0.0530	2.12
o-Xylene	2.04	0.0530	2.12
sec-Butylbenzene	2.01	0.0530	2.12
Styrene	2.04	0.0530	2.12
tert-Butylbenzene	2.23	0.0530	2.12
Tetrachloroethene	2.01	0.0530	2.12

QC SUMMARY REPORT

WO#: 2408094
8/16/2024

TestCode: 8260_O

g/Kg-dry		Prep Date:		RunNo: 55178	
B		Analysis Date: 8/12/2024		SeqNo: 715228	
%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit Qual
98.9	80	120	2.05	2.30	30
96.0	80	120	2.12	4.21	30
95.0	80	120	2.09	3.52	30
96.0	80	120	2.12	4.06	30
105	80	120	2.26	1.32	30
94.9	80	120	2.14	5.98	30

1,1,1,2-Tetrachloroethane	2.37	0.0530	2.12	0
Toluene	2.29	0.0530	2.12	0
trans-1,2-Dichloroethene	2.53	0.0530	2.12	0
trans-1,3-Dichloropropene	2.18	0.0530	2.12	0
Trichloroethene	2.48	0.0530	2.12	0
Trichlorofluoromethane	3.10	0.0530	2.12	0
Vinyl chloride	1.17	0.0530	2.12	0

Sample ID: CCV	SampleType: CCV	TestCode: 8260_O	Units: m
Client ID: CCV	Batch ID: 24214	TestNo: SW8260D	SW 5030
Analyte	Result	PQL	SPK value
1,1,1,2-Tetrachloroethane	1.93	0.0500	2.00
1,1,1-Trichloroethane	2.39	0.0500	2.00
1,1,2,2-Tetrachloroethane	1.68	0.0500	2.00
1,1,2-Trichloroethane	1.98	0.0500	2.00

Qualifiers:	B	Analyte detected in the associated Method Blank	H	Holding times for preparation
	S	Spike Recovery outside accepted recovery limits		

B	Prep Date:		RunNo: 55178				
	Analysis Date: 8/13/2024		SeqNo: 715230				
	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

R RPD outside accepted recovery limits

Specialty Analytical

Client: Karl VanZandt
Project: 4740 Main

Sample ID: CCV	SampType: CCV	TestCode: 8260_O	Units: m
Client ID: CCV	Batch ID: 24214	TestNo: SW8260D	SW 5030
Analyte	Result	PQL	SPK value
1,1-Dichloroethane	2.24	0.0500	2.00
1,1-Dichloroethene	2.37	0.0500	2.00
1,1-Dichloropropene	2.33	0.0500	2.00
1,2,3-Trichlorobenzene	1.65	0.0500	2.00
1,2,3-Trichloropropane	2.06	0.0500	2.00
1,2,4-Trichlorobenzene	1.76	0.0500	2.00

QC SUMMARY REPORT

WO#: 2408094
8/16/2024

TestCode: 8260_O

mg/Kg	Prep Date:		RunNo: 55178				
	Analysis Date: 8/13/2024		SeqNo: 715230				
B	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

	103	80	120				
	87.9	80	120				

1,2,4-Trimethylbenzene	1.78	0.0500	2.00
1,2,4-Trimethylbenzene	1.78	0.0500	2.00
1,2-Dibromo-3-chloropropane	1.91	0.0500	2.00
1,2-Dibromoethane	1.91	0.0500	2.00
1,2-Dichlorobenzene	1.83	0.0500	2.00
1,2-Dichloroethane	2.24	0.0500	2.00
1,2-Dichloropropane	2.12	0.0500	2.00
1,3,5-Trimethylbenzene	1.75	0.0500	2.00
1,3-Dichlorobenzene	1.82	0.0500	2.00
1,3-Dichloropropane	2.13	0.0500	2.00
1,4-Dichlorobenzene	1.75	0.0500	2.00
2,2-Dichloropropane	2.84	0.0500	2.00
2-Butanone	4.27	0.100	4.00
2-Chloroethyl vinyl ether	2.30	0.0500	2.00
2-Chlorotoluene	1.81	0.0500	2.00
2-Hexanone	4.16	0.100	4.00
4-Chlorotoluene	1.74	0.0500	2.00
4-Isopropyltoluene	1.74	0.0500	2.00

Qualifiers: B Analvte detected in the associated Method Blank
S Spike Recovery outside accepted recovery limits

H Holding times for preparation

81.9	80	120	SSC
89.0	80	120	
95.4	80	120	
95.6	80	120	
91.7	80	120	
112	80	120	
106	80	120	
87.3	80	120	
91.2	80	120	
106	80	120	
87.6	80	120	
142	80	120	
107	80	120	
115	80	120	
90.4	80	120	
104	80	120	
87.0	80	120	
87.0	80	120	
or analysis exceeded			R RPD outside accepted recovery limits

Specialty Analytical

Client: Karl VanZandt
Project: 4740 Main

Sample ID: CCV	SampType: CCV	TestCode: 8260_O	Units: m
Client ID: CCV	Batch ID: 24214	TestNo: SW8260D	SW 5030
Analyte	Result	PQL	SPK value
4-Methyl-2-pentanone	3.92	0.100	4.00
Acetone	4.21	0.250	4.00
Acrolein	3.92	0.0500	4.00
Benzene	2.12	0.0500	2.00
Bromobenzene	1.90	0.0500	2.00
Bromochloromethane	2.31	0.0500	2.00

QC SUMMARY REPORT

WO#: 2408094
8/16/2024

TestCode: 8260_O

g/Kg	Prep Date:		RunNo: 55178				
	Analysis Date: 8/13/2024		SeqNo: 715230				
B	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:	B	Analyte detected in the associated Method Blank Spike Recovery outside accepted recovery limits	H	Holding times for preparation
Bromochloromethane	2.37	0.0500	2.00	0
Bromodichloromethane	2.19	0.0500	2.00	0
Bromoform	2.13	0.0500	2.00	0
Bromomethane	1.86	0.0500	2.00	0
Carbon disulfide	2.30	0.0500	2.00	0
Carbon tetrachloride	2.22	0.0500	2.00	0
Chlorobenzene	2.00	0.0500	2.00	0
Chloroethane	2.03	0.0500	2.00	0
Chloroform	2.27	0.0500	2.00	0
Chloromethane	2.06	0.0500	2.00	0
cis-1,2-Dichloroethene	2.30	0.0500	2.00	0
cis-1,3-Dichloropropene	2.07	0.0500	2.00	0
Dibromochloromethane	1.94	0.0500	2.00	0
Dibromomethane	2.30	0.0500	2.00	0
Dichlorodifluoromethane	2.15	0.0500	2.00	0
Ethylbenzene	1.93	0.0500	2.00	0
Hexachlorobutadiene	1.97	0.0500	2.00	0
Isopropylbenzene	1.92	0.0500	2.00	0

110	80	120
107	80	120
93.1	80	120
115	80	120
111	80	120
100	80	120
102	80	120
114	80	120
103	80	120
115	80	120
103	80	120
97.0	80	120
115	80	120
108	80	120
96.7	80	120
98.5	80	120
96.2	80	120
or analysis exceeded	R	RPD outside accepted recovery limits

Specialty Analytical

Client: Karl VanZandt
Project: 4740 Main

Sample ID: CCV	SampType: CCV	TestCode: 8260_O	Units: m
Client ID: CCV	Batch ID: 24214	TestNo: SW8260D	SW 5030
Analyte	Result	PQL	SPK value
m,p-Xylene	3.98	0.250	4.00
Methyl tert-butyl ether	2.55	0.0500	2.00
Methylene chloride	2.11	0.250	2.00
Naphthalene	1.83	0.0500	2.00
n-Butylbenzene	1.74	0.0500	2.00
n-Propylbenzene	1.77	0.0500	2.00

QC SUMMARY REPORT

WO#: 2408094
8/16/2024

TestCode: 8260_O

mg/Kg	Prep Date:		RunNo: 55178				
	Analysis Date: 8/13/2024		SeqNo: 715230				
B	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
	99.4	80	120				
	128	80	120				SSC
	105	80	120				
	91.3	80	120				
	87.0	80	120				

88.4 80 120

1,1-Dichloroethene	0.0000	1.97	0.0500	2.00	0
o-Xylene	0.0500	1.97	0.0500	2.00	0
sec-Butylbenzene	0.0500	1.71	0.0500	2.00	0
Styrene	0.0500	1.96	0.0500	2.00	0
tert-Butylbenzene	0.0500	1.93	0.0500	2.00	0
Tetrachloroethene	0.0500	1.69	0.0500	2.00	0
Toluene	0.0500	2.03	0.0500	2.00	0
trans-1,2-Dichloroethene	0.0500	2.22	0.0500	2.00	0
trans-1,3-Dichloropropene	0.0500	2.00	0.0500	2.00	0
Trichloroethene	0.0500	2.24	0.0500	2.00	0
Trichlorofluoromethane	0.0500	2.30	0.0500	2.00	0
Vinyl chloride	0.0500	2.15	0.0500	2.00	0

Qualifiers:

B	Analvte detected in the associated Method Blank
S	Spike Recovery outside accepted recovery limits

98.4	80	120
85.6	80	120
98.0	80	120
96.7	80	120
84.5	80	120
101	80	120
111	80	120
100	80	120
112	80	120
115	80	120
108	80	120

or analysis exceeded

R RPD outside accepted recovery limits

Specialty Analytical

Client: Karl VanZandt
Project: 4740 Main

Sample ID: CCB	SampType: CCB	TestCode: 8260_O	Units: m
Client ID: CCB	Batch ID: 24214	TestNo: SW8260D	SW 5030
Analyte	Result	PQL	SPK value
1,1,1,2-Tetrachloroethane	ND	0.0500	SPK Ref Val
1,1,1-Trichloroethane	ND	0.0500	
1,1,2,2-Tetrachloroethane	ND	0.0500	
1,1,2-Trichloroethane	ND	0.0500	
1,1-Dichloroethane	ND	0.0500	
1,1-Dichloroethane	ND	0.0500	

QC SUMMARY REPORT

WO#: 2408094
8/16/2024

TestCode: 8260_O

g/Kg	Prep Date:	RunNo: 55178
B	Analysis Date: 8/13/2024	SeqNo: 715231
%REC	LowLimit	HighLimit
	RPD Ref Val	%RPD
		RPDLimit
		Qual

1,1-Dichloropropene	ND	0.0500
1,2,3-Trichlorobenzene	ND	0.0500
1,2,3-Trichloropropane	ND	0.0500
1,2,4-Trichlorobenzene	ND	0.0500
1,2,4-Trimethylbenzene	ND	0.0500
1,2-Dibromo-3-chloropropane	ND	0.0500
1,2-Dibromoethane	ND	0.0500
1,2-Dichlorobenzene	ND	0.0500
1,2-Dichloroethane	ND	0.0500
1,2-Dichloropropane	ND	0.0500
1,3,5-Trimethylbenzene	ND	0.0500
1,3-Dichlorobenzene	ND	0.0500
1,3-Dichloropropane	ND	0.0500
1,4-Dichlorobenzene	ND	0.0500
2,2-Dichloropropane	ND	0.0500
2-Butanone	ND	0.100
2-Chloroethyl vinyl ether	ND	0.0500

Qualifiers:	B	S	Analvte detected in the associated Method Blank	H	Holding times for preparation
			Spike Recovery outside accepted recovery limits		

or analysis exceeded

R RPD outside accepted recovery limits

Specialty Analytical

Client: Karl VanZandt
Project: 4740 Main

Sample ID: CCB	SampType: CCB	TestCode: 8260_O	Units: m
Client ID: CCB	Batch ID: 24214	TestNo: SW8260D	SW 5030
Analyte	Result	PQL	SPK value
2-Chlorotoluene	ND	0.0500	SPK Ref Val
2-Hexanone	ND	0.100	
4-Chlorotoluene	ND	0.0500	
4-Isopropyltoluene	ND	0.0500	
4-Methyl-2-pentanone	ND	0.100	
Acetone	ND	0.250	

QC SUMMARY REPORT

WO#: 2408094
8/16/2024

TestCode: 8260_O

g/Kg	Prep Date:	RunNo: 55178
B	Analysis Date: 8/13/2024	SeqNo: 715231
%REC	LowLimit	HighLimit
	RPD Ref Val	%RPD
		RPDLimit
		Qual

Acrolein	ND	0.0500
Benzene	ND	0.0500
Bromobenzene	ND	0.0500
Bromochloromethane	ND	0.0500
Bromodichloromethane	ND	0.0500
Bromoform	ND	0.0500
Bromomethane	ND	0.0500
Carbon disulfide	ND	0.0500
Carbon tetrachloride	ND	0.0500
Chlorobenzene	ND	0.0500
Chloroethane	ND	0.0500
Chloroform	ND	0.0500
Chloromethane	ND	0.0500
cis-1,2-Dichloroethene	ND	0.0500
cis-1,3-Dichloropropene	ND	0.0500
Dibromochloromethane	ND	0.0500
Dibromomethane	ND	0.0500

Qualifiers:	B	Analvte detected in the associated Method Blank	H	Holding times for preparation
	S	Spike Recovery outside accepted recovery limits		

or analysis exceeded

R RPD outside accepted recovery limits

Specialty Analytical

Client: Karl VanZandt
Project: 4740 Main

Sample ID: CCB	SampType: CCB	TestCode: 8260_O	Units: m
Client ID: CCB	Batch ID: 24214	TestNo: SW8260D	SW 5030
Analyte	Result	PQL	SPK value
Dichlorodifluoromethane	ND	0.0500	SPK Ref Value
Ethylbenzene	ND	0.0500	
Hexachlorobutadiene	ND	0.0500	
Isopropylbenzene	ND	0.0500	
m,p-Xylene	ND	0.250	
Methyl tert-butyl ether	ND	0.0500	

QC SUMMARY REPORT

WO#: 2408094
8/16/2024

TestCode: 8260_O

g/Kg	Prep Date:	RunNo: 55178
B	Analysis Date: 8/13/2024	SeqNo: 715231
%REC	LowLimit	HighLimit
	RPD Ref Val	%RPD
		RPDLimit
		Qual

Methylene chloride	ND	0.250	0.0000
Naphthalene	ND	0.0500	
n-Butylbenzene	ND	0.0500	
n-Propylbenzene	ND	0.0500	
o-Xylene	ND	0.0500	
sec-Butylbenzene	ND	0.0500	
Styrene	ND	0.0500	
tert-Butylbenzene	ND	0.0500	
Tetrachloroethene	ND	0.0500	
Toluene	ND	0.0500	
trans-1,2-Dichloroethene	ND	0.0500	
trans-1,3-Dichloropropene	ND	0.0500	
Trichloroethene	ND	0.0500	
Trichlorofluoromethane	ND	0.0500	
Vinyl chloride	ND	0.0500	
Surr: 1,2-Dichloroethane-d4	5630	5000	
Surr: 4-Bromofluorobenzene	5280	5000	
Qualifiers:	B	H	Holding times for preparation
	S		
	Analyte detected in the associated Method Blank		
	Spike Recovery outside accepted recovery limits		

113	71.5	122	R RPD outside accepted recovery limits
106	75.7	122	

or analysis exceeded

Specialty Analytical

Client: Karl VanZandt
Project: 4740 Main

Sample ID: CCB	SampType: CCB	TestCode: 8260_O	Units: m
Client ID: CCB	Batch ID: 24214	TestNo: SW8260D	SW 5030
Analyte	Result	PQL	SPK value
Surr: Dibromofluoromethane	5570		5000
Surr: Toluene-d8	4560		5000

QC SUMMARY REPORT

WO#: 2408094
8/16/2024

TestCode: 8260_O

g/Kg	Prep Date:		RunNo: 55178				
	Analysis Date: 8/13/2024		SeqNo: 715231				
B	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

Qualifiers:	B	Analyte detected in the associated Method Blank Spike Recovery outside accepted recovery limits	H	Holding times for preparation
	S			

or analysis exceeded

R RPD outside accepted recovery limits

Specialty Analytical

Client: Karl VanZandt
Project: 4740 Main

Sample ID: LCS-R55207	SampType: LCS	TestCode: HG_CTS	Units: m
Client ID: LCSS	Batch ID: 24223	TestNo: SW 7471B	SW 7471B
Analyte	Result	PQL	SPK value
Mercury	0.399	0.0100	0.400
			0

Sample ID: LCSD-R55207	SampType: LCSD	TestCode: HG_CTS	Units: m
Client ID: LCSS02	Batch ID: 24223	TestNo: SW 7471B	SW 7471B

QC SUMMARY REPORT

WO#: 2408094
8/16/2024

TestCode: HG_CTS

g/Kg	Prep Date:	RunNo: 55207
B	Analysis Date: 8/14/2024	SeqNo: 715711
%REC	LowLimit	HighLimit
99.8	80	120
	RPD Ref Val	%RPD
	RPDLimit	Qual

g/Kg	Prep Date:	RunNo: 55207
B	Analysis Date: 8/14/2024	SeqNo: 715712

Analyte	Result	PQL	SPK value	SPK Ref Val
Mercury	0.403	0.0100	0.400	0
Sample ID: MB-R55207 SampType: MBLK TestCode: HG_CTS Units: m				
Client ID: PBS	Batch ID: 24223	TestNo: SW 7471B	SW 7471B	SW 7471B
Analyte	Result	PQL	SPK value	SPK Ref Val
Mercury	ND	0.0100		
Sample ID: 2408079-001ADUP SampType: DUP TestCode: HG_CTS Units: m				
Client ID: BatchQC	Batch ID: 24223	TestNo: SW 7471B	SW 7471B	SW 7471B
Analyte	Result	PQL	SPK value	SPK Ref Val
Mercury	0.342	0.0334		
Qualifiers: B AAnalyte detected in the associated Method Blank H Holding times for preparation				
	S Spike Recovery outside accepted recovery limits			

%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
101	80	120	0.399	0.973	20	

g/Kg		Prep Date:	RunNo: 55207			
B	Analysis Date: 8/14/2024	SeqNo: 715713				
%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual

g/Kg-dry		Prep Date: 8/14/2024	RunNo: 55207			
B	Analysis Date: 8/14/2024	SeqNo: 715716				
%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
			0.299	13.6	20	

or analysis exceeded R RPD outside accepted recovery limits

Specialty Analytical

Client: Karl VanZandt
Project: 4740 Main

Sample ID: 2408079-001ADUP	SampType: DUP	TestCode: HG_CTS	Units: m
Client ID: BatchQC	Batch ID: 24223	TestNo: SW 7471B	SW 7471B
Analyte	Result	PQL	SPK value
			SPK Ref Val

Sample ID: 2408079-001AMS	SampType: MS	TestCode: HG_CTS	Units: m
Client ID: BatchQC	Batch ID: 24223	TestNo: SW 7471B	SW 7471B
Analyte	Result	PQL	SPK value
			SPK Ref Val

QC SUMMARY REPORT

WO#: 2408094
8/16/2024

TestCode:		HG_CTS	
g/Kg-dry	Prep Date: 8/14/2024	RunNo: 55207	
B	Analysis Date: 8/14/2024	SeqNo: 715716	
%REC	LowLimit	HighLimit	RPD Ref Val
		%RPD	RPDLimit
			Qual

g/Kg-dry	Prep Date: 8/14/2024	RunNo: 55207	
B	Analysis Date: 8/14/2024	SeqNo: 715717	
%REC	LowLimit	HighLimit	RPD Ref Val
		%RPD	RPDLimit
			Qual

Mercury	1.37	0.0322	1.29	0.299
Sample ID: 2408079-001AMSD SampType: MSD TestCode: HG_CTS Units: m				
Client ID: BatchQC	Batch ID: 24223	TestNo: SW 7471B	SW 7471B	SW 7471B
Analyte	Result	PQL	SPK value	SPK Ref Val
Mercury	1.45	0.0330	1.32	0.299
Sample ID: CCV-R55207 SampType: CCV TestCode: HG_CTS Units: m				
Client ID: CCV	Batch ID: 24223	TestNo: SW 7471B	SW 7471B	SW 7471B
Analyte	Result	PQL	SPK value	SPK Ref Val
Mercury	0.385	0.0100	0.400	0
Qualifiers: B Analyte detected in the associated Method Blank H Holding times for preparation				
	S	Spike Recovery outside accepted recovery limits		

82.8		75		125							
g/Kg-dry			Prep Date: 8/14/2024			RunNo: 55207					
B			Analysis Date: 8/14/2024			SeqNo: 715718					
%REC	LowLimit	HighLimit	RPD	Ref Val	%RPD	RPDLimit	Qual				
87.6	75	125	1.37	6.30	20						
g/Kg			Prep Date:			RunNo: 55207					
B			Analysis Date: 8/14/2024			SeqNo: 715721					
%REC	LowLimit	HighLimit	RPD	Ref Val	%RPD	RPDLimit	Qual				
96.3	90	110									

Specialty Analytical

Client: Karl VanZandt
Project: 4740 Main

Sample ID: CCB-R55207	SampType: CCB	TestCode: HG_CTS	Units: m
Client ID: CCB	Batch ID: 24223	TestNo: SW 7471B	SW 7471B
Analyte	Result	PQL	SPK value
Mercury	ND		0.0100

SPK Ref Val

QC SUMMARY REPORT

WO#: 2408094
8/16/2024

TestCode: HG_CTS

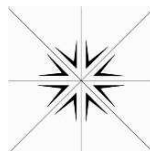
g/Kg	Prep Date:	RunNo: 55207
B	Analysis Date: 8/14/2024	SeqNo: 715722
%REC	LowLimit	HighLimit
	RPD Ref Val	%RPD
		RPDLimit
		Qual

Qualifiers:			
B	Analvte detected in the associated Method Blank	H	Holding times for preparation
S	Spike Recovery outside accepted recovery limits		

or analysis exceeded

R

RPD outside accepted recovery limits



Sp
90
Clackam
TEL: 503-607-1331 F
Website: www.spec

Client Name: VANZANDT_KARL

RcptNo: 1

Date and Time Received 8/9/2024 2:40:16

Completed by

Completed Date:

8/9/2024

Carrier name: Client

Chain of custody present?	Yes
Chain of custody signed when relinquished and received?	Yes
Chain of custody agrees with sample labels?	Yes
Are matrices correctly identified on Chain of custody?	Yes
Is it clear what analyses were requested?	Yes
Custody seals intact on sample bottles?	Yes
Samples in proper container/bottle?	Yes
Were correct preservatives used and noted?	Yes
Sample containers intact?	Yes
Sufficient sample volume for indicated test?	Yes
Were container labels complete (ID, Pres, Date)?	Yes
All samples received within holding time?	Yes

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as, Oregon 97015
AX: 503-607-1336
altyanalytical.com

Sample Receipt Checklist

Work Order Number 2408094

PM Received by: Mandy Wehe

Reviewed by:
Reviewed Date: 8/9/2024 4:28:10 PM

<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	Not Present
<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
<input type="checkbox"/>	No	<input type="checkbox"/>	Not Present
<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	NA
<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	

Was an attempt made to cool the samples?	Yes
All samples received at a temp. of > 0° C to 6.0° C?	Yes
Response when temperature is outside of range:	
Preservative added to bottles:	
Sample Temp. taken and recorded upon receipt?	Yes
Water - Were bubbles absent in VOC vials?	Yes
Water - Was there Chlorine Present?	Yes
Water - pH acceptable upon receipt?	Yes
Are Samples considered acceptable?	Yes
Custody Seals present?	Yes
Traffic Report or Packing Lists present?	Yes
Airbill or Sticker?	Air Bill
Airbill No:	
Sample Tags Present?	Yes
Sample Tags Listed on COC?	Yes
Tag Numbers:	
Sample Condition?	Intact
Case Number:	SDG:

Any No and/or NA (not applicable) response must be detailed in the comments section.

☒ No ☐ NA ☐
☒ No ☐ NA ☐

☒ No ☐ To 5.8 °C
☐ No ☐ No Vials ☒
☐ No ☐ NA ☒
☐ No ☐ NA ☒
☒ No ☐
☐ No ☒
☐ No ☒
☐ Sticker ☐ Not Present ☒

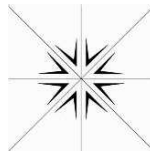
☐ No ☒
☐ No ☒

☒ Broken ☐ Leaking ☐

SAS:

Adjusted? _____ Checked by

nts section be



Sp
90
Clackam
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Website: www.specia

Client Contacted? ☐ Yes ☒ No ☐ NA Person Contacted:
Contact Mode: ☐ Phone: ☐ Fax: ☐ Email:
Client Instructions:
Date Contacted: Contacted By:
Regarding:
CorrectiveAction:

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Sample Receipt Checklist

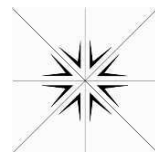
Comments:

☐ In Person:

Specialty Analytical				Chain of Custody Record			
<div style="display: flex; justify-content: space-between;"> <div> </div> <div> 9011 SE Jannsen Rd Clackamas, OR 97015 Phone: 503-607-1331 Fax: 503-607-1336 </div> </div>				Date: <u>8-9-24</u> Page: <u>4740</u> of: <u>main</u>			
				Laboratory Project No (Internal): <u>2406094</u> Temperature on Receipt: <u>5.8</u> °C			
Client: <u>KVZ Environmental</u> Address: <u>1523 GEORGIA AVE SE</u> City, State, Zip: <u>SALEM, OR 97302</u> Telephone: <u>503 902 4078</u> AP Email: <u>Karl VanZandt@gmail</u>				Project No: <u>4740</u> PO No: <u>4740</u> Collected by: <u>Karl VanZandt</u> State Collected: <u>OR</u> <u>WA</u> <u>OTHER</u> Report To (PM): <u>Karl VanZandt</u> PM Email: <u>Karl VanZandt@gmail.com</u>			
Shipped Via: <u>air</u> Custody Seal: <u>Y</u> <u>(N)</u> Intact / Broken Cooler / Bottle				MDL <u>EDD</u> TIER IV <u>EDD</u> Sample Disposal: <input type="checkbox"/> Return to client <input checked="" type="checkbox"/> Disposal by lab (after 60 days)			
Sample Name	Sample Date	Sample Time	Sample Matrix*	# of Containers	Requested Tests	Comments	
1 <u>4740-WO</u>	<u>8/9/24</u>	<u>1000A</u>	<u>Sludge</u>	<u>3</u>	<u>PCB</u> <u>PAH</u> <u>SV</u> <u>SCM</u>		
2							
3							
4							
5							
6							
7							
8							
9							
10							

* Matrix: A = Air, AQ = Aqueous, L = Liquid, O = Oil, P = Product, S = Soil, SD = Sediment, SL = Solid, W = Water, DW = Drinking Water, GW = Ground Water, SW = Storm Water, WW = Waste Water, M = Miscellaneous

Turn-around Time:		Standard: <u>X</u>		3 Day:		2 Day:		Next Day:		Same Day:	
Relinquished	Date/Time	Relinquished	Date/Time	Received	Date/Time	Received	Date/Time	Received	Date/Time	Received	Date/Time
x	<u>Karl VanZandt</u>	x	<u>8/9/24 1420</u>	x		x		x		x	
Relinquished	Date/Time	Relinquished	Date/Time	Received	Date/Time	Received	Date/Time	Received	Date/Time	Received	Date/Time
x		x		x		x		x		x	
Relinquished	Date/Time	Relinquished	Date/Time	Received	Date/Time	Received	Date/Time	Received	Date/Time	Received	Date/Time
x		x		x		x		x		x	



CL
TEL: 503-607-1
Website: www.

Definitions:

KEY TO FLAGS

A: This sample contains a Gasoline Range Organic product. The result was qualified against gasoline calibration.

A1: This sample contains a Diesel Range Organic product. The result was qualified against diesel calibration standards.

A2: This sample contains a Lube Oil Range Organic product. The result was qualified against lube oil calibration standards.

A3: The results were determined to be Non-Detect. The product was carry-over from another hydrocarbon type.

A4: The product appears to be aged or degraded.

D: The detection limit is less than 1 mg/L.

based on hydrocarbon pattern recognition. The
oe.

B: The blank exhibited a positive result greater than the blank.

BC: Sample concentration is >10x positive result.

CN: See Case Narrative.

E: Result exceeds the calibration range for this estimate.

F: The positive result for this hydrocarbon is due to a fuel source that does not match any hydrocarbon in the fuels library.

FS: Follow-up testing is suggested.

G: Result may be biased high due to biogenic interference.

H: Sample was analyzed outside recommended concentration range.

HT: ☐ At client's request, samples were analyzed outside recommended concentration range.

HP: Sample was analyzed outside recommended concentration range.

than the reporting limit for this compound.

lt in blank. Data is considered acceptable.

compound. The result should be considered an

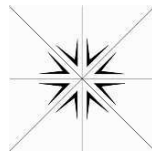
to single component contamination. The product

ferences. Clean up is recommended.

holding time.

tside of recommended holding time.

nolding time due to VOA having pH >2.



CL
TEL: 503-607-1
Website: www.

Definitions:

J: The results for this analyte is between the MDL and the estimated concentration.

K: Diesel result is biased high due to amount of C

L: Diesel result is biased high due to amount of C

M: Oil result is biased high due to amount of Dies

N Gasoline result is biased high due to amount o

MC: Sample concentration is greater than 4x the sp
insignificant.

MI Result is outside control limits due to matrix i

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Definition Only

WO#: **2408094**

Date: **8/16/2024**

L and the PQL and should be considered an

Dil contained in the sample.

Gasoline contained in the sample.

el contained in the sample.

f Diesel contained in the sample.

iked value, the spiked value is considered

nterference.

NH: Sample matrix is non-homogeneous

MSA: Value determined by Method of Standard Addition

O: Laboratory Control Standard (LCS) exceeded
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

RP: Matrix spike values exceed established QC limits

S: Recovery is outside control limits.

SC: CCV or LCS exceeded high recovery control limits
meets EPA requirements.

tion.

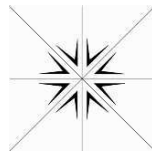
laboratory control limits but meets CCV criteria.

x.

he method-reporting limit.

imits; post digestion spike is in control.

imits, but associated samples are non-detect. Data



Definitions:

SL: LCS exceeded recovery control limits, but ass
requirements.

SV: CCV exceded low recovery control limits. NI
section 11.4.3.2

TA: Sample treated with ascorbic acid for the rem

TS: Sample treated with Sodium Sulfite for the rem

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ociated MS/MSD passing. Data meets EPA

D as reported evaluated using EPA method 8260D

oval of thiocyanates.

noval of chlorine.



Oregon

Tina Kotek, Governor

Department of Environmental Quality

Northwest Region

700 NE Multnomah Street, Suite 600

Portland, OR 97232

(503) 229-5263

FAX (503) 229-6945

TTY 711

August 26, 2024

Rick Leatherman
Main Street Properties LLC
7841 Idlewood Ln
Dallas, TX 75230-3203

RE: UST Decommissioning Status
4740 Main St, Springfield
DEQ UST Facility ID No. 12756

Dear Rick Leatherman:

The Department of Environmental Quality (DEQ) has received and reviewed underground storage tank (UST) documents for closure of three decommissioned USTs at facility #12756, located at 4740 SE Main St, in Springfield. The purpose of this letter is to document UST closure as required by Oregon Administrative Rule (OAR) 340-150-0168(10).

Based on DEQ review of the documents received, the work appears to have met the requirements of OAR 340-150-0168 for decommissioning by permanent closure. DEQ has changed the status of the tanks from active to closed, with a decommissioning date of August 8, 2024. DEQ file and database records show tank permits BJBBG, and BJBBH as inactive and decommissioned. The documents received are on file at the DEQ Northwest Region Office in Portland.

This letter is in no way related to any UST cleanup or other DEQ programs and is not intended to be a no further action letter for those purposes. The DEQ's determination will not be applicable if new or undisclosed facts show that the UST closure does not comply with the referenced rules.

As the Permittee you are required to maintain records of permanent closure, including the site assessment report and associated documents for three years after the permanent closure checklist and report have been reviewed by the DEQ. If the UST facility is sold within this time period, you must provide these records to the new property owner.

We appreciate your efforts to comply with the prescribed decommissioning rules for underground storage tanks. Should you have any questions, please feel free to contact me at 503-360-4287.

Sincerely,

Dave Pardue

Dave Pardue
UST Program Coordinator