



King County

# Industrial Waste Quarterly Self-Monitoring Report

Send to: King County Industrial Waste Program  
201 S. Jackson Street, Suite 513  
Seattle, WA 98104-3855  
Phone 206-477-5300 / FAX 206-263-3001  
Email: [info.KCIW@kingcounty.gov](mailto:info.KCIW@kingcounty.gov)

Company Name: Bothell, City of -Riverside Groundwater Remediation Site

This form is available at [www.kingcounty.gov/industrialwaste](http://www.kingcounty.gov/industrialwaste).

Please specify year: 2025

**QUARTER 3**

Sample Site No.: IW1175A

Permit/DA No.: 4268-03

Month	Sample Date	Sample Type C (Composite) G (Grab) BC (Batch)	1,2-Dichloro-ethylene (tDCE; total cis- and trans) (µg/L)	Tetrachloro-ethylene (PCE) (µg/L)	Trichloro-ethylene (TCE) (µg/L)	Vinyl Chloride (µg/L)	1,1-Dichloro-ethane (µg/L)	Settleable Solids (ml/L)	Discharge Volume on sample day (gallons)	Total Monthly Flow (gallons)	
July											
	7/28/25	G	<0.20	3.0	<0.20	<0.020	<0.20	7.0 <sup>1</sup>	35		
	Total volume discharged for July										35
August											
	8/22/25	G	<0.20	4.2	<0.20	0.036	<0.20	2.0	1,677		
	Total volume discharged for August										28,505
September											
	9/24/25	G	1.9	16	2.8	0.043	<0.20	<0.19	1,708		
	Total volume discharged for September										86,160

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further certify that all data requiring a laboratory analysis were analyzed by a Washington State Department of Ecology accredited laboratory for each parameter tested

10.08.25

Date

*Ryan Roberts*

Signature of Principal Executive or Authorized Agent

<sup>1</sup> Field measurement

**Due Date:** Third Quarter Report is due by October 15 of each year



14648 NE 95<sup>th</sup> Street, Redmond, WA 98052 • (425) 883-3881

August 7, 2025

Kristin Anderson  
Floyd & Snider  
601 Union Street, Suite 600  
Seattle, WA 98101

Re: Analytical Data for Project COB-OnCall Riverside Task 4  
Laboratory Reference No. 2507-382

Dear Kristin:

Enclosed are the analytical results and associated quality control data for samples submitted on July 30, 2025.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "D. Baumeister", with a long horizontal flourish extending to the right.

David Baumeister  
Project Manager

Enclosures



Date of Report: August 7, 2025  
Samples Submitted: July 30, 2025  
Laboratory Reference: 2507-382  
Project: COB-OnCall Riverside Task 4

### Case Narrative

Samples were collected on July 28, 2025 and received by the laboratory on July 30, 2025. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below. However the soil results for the QA/QC samples are reported on a wet-weight basis.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: August 7, 2025  
 Samples Submitted: July 30, 2025  
 Laboratory Reference: 2507-382  
 Project: COB-OnCall Riverside Task 4

### VOLATILE ORGANICS EPA 8260D/SIM

Matrix: Water  
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>KCIW-072825</b>					
Laboratory ID:	07-382-01					
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	7-31-25	7-31-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	7-31-25	7-31-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	7-31-25	7-31-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	7-31-25	7-31-25	
Trichloroethene	ND	0.20	EPA 8260D	7-31-25	7-31-25	
Tetrachloroethene	3.0	0.20	EPA 8260D	7-31-25	7-31-25	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	93	68-133				
<i>Toluene-d8</i>	96	79-123				
<i>4-Bromofluorobenzene</i>	90	78-117				

<b>Client ID:</b>	<b>Trip Blanks</b>					
Laboratory ID:	07-382-02					
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	7-31-25	7-31-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	7-31-25	7-31-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	7-31-25	7-31-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	7-31-25	7-31-25	
Trichloroethene	ND	0.20	EPA 8260D	7-31-25	7-31-25	
Tetrachloroethene	ND	0.20	EPA 8260D	7-31-25	7-31-25	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	93	68-133				
<i>Toluene-d8</i>	95	79-123				
<i>4-Bromofluorobenzene</i>	87	78-117				



Date of Report: August 7, 2025  
 Samples Submitted: July 30, 2025  
 Laboratory Reference: 2507-382  
 Project: COB-OnCall Riverside Task 4

**VOLATILE ORGANICS EPA 8260D/SIM  
 QUALITY CONTROL**

Matrix: Water  
 Units: ug/L

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>METHOD BLANK</b>						
Laboratory ID:	MB0731W1					
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	7-31-25	7-31-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	7-31-25	7-31-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	7-31-25	7-31-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	7-31-25	7-31-25	
Trichloroethene	ND	0.20	EPA 8260D	7-31-25	7-31-25	
Tetrachloroethene	ND	0.20	EPA 8260D	7-31-25	7-31-25	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	93	68-133				
<i>Toluene-d8</i>	96	79-123				
<i>4-Bromofluorobenzene</i>	89	78-117				

<b>Analyte</b>	<b>Result</b>		<b>Spike Level</b>		<b>Percent Recovery</b>		<b>Recovery Limits</b>	<b>RPD</b>	<b>RPD Limit</b>	<b>Flags</b>
<b>SPIKE BLANKS</b>										
Laboratory ID:	SB0731W1									
	SB	SBD	SB	SBD	SB	SBD				
Vinyl Chloride	8.86	8.33	10.0	10.0	89	83	67-131	6	16	
1,1-Dichloroethene	9.07	8.62	10.0	10.0	91	86	77-125	5	15	
(trans) 1,2-Dichloroethene	9.59	9.10	10.0	10.0	96	91	76-126	5	15	
(cis) 1,2-Dichloroethene	9.83	9.26	10.0	10.0	98	93	77-129	6	15	
Trichloroethene	9.48	9.15	10.0	10.0	95	92	80-130	4	15	
Tetrachloroethene	10.2	9.85	10.0	10.0	102	99	80-130	3	20	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					92	91	68-133			
<i>Toluene-d8</i>					96	96	79-123			
<i>4-Bromofluorobenzene</i>					92	91	78-117			





### Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
  - B - The analyte indicated was also found in the blank sample.
  - C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
  - E - The value reported exceeds the quantitation range and is an estimate.
  - F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
  - H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
  - I - Compound recovery is outside of the control limits.
  - J - The value reported was below the practical quantitation limit. The value is an estimate.
  - K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
  - L - The RPD is outside of the control limits.
  - M - Hydrocarbons in the gasoline range are impacting the diesel range result.
  - M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
  - N - Hydrocarbons in the lube oil range are impacting the diesel range result.
  - N1 - Hydrocarbons in diesel range are impacting lube oil range results.
  - O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
  - P - The RPD of the detected concentrations between the two columns is greater than 40.
  - Q - Surrogate recovery is outside of the control limits.
  - S - Surrogate recovery data is not available due to the necessary dilution of the sample.
  - T - The sample chromatogram is not similar to a typical \_\_\_\_\_.
  - U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
  - U1 - The practical quantitation limit is elevated due to interferences present in the sample.
  - V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
  - W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
  - X - Sample extract treated with a mercury cleanup procedure.
  - X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
  - X2 - Sample extract treated with a silica gel cleanup procedure.
  - Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
  - Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.
  - Z -
- ND - Not Detected at PQL  
 PQL - Practical Quantitation Limit  
 RPD - Relative Percent Difference





# Onsite Environmental Inc.

Analytical Laboratory Testing Services  
14648 NE 95th Street • Redmond, WA 98052  
Phone: (425) 883-3881 • www.onsite-env.com

## Chain of Custody

Company: Floyd Smider

Project Number: 03-0011 Riverside Task 4

Project Name: Riverside HWC S.H.E

Project Manager: Kristin Anderson

Sampled by: Danille Collier

Lab ID	Sample Identification
1	KCIW-072825
2	Trip Blanks

Turnaround Request  
(in working days)  
(Check One)

Same Day  1 Day

2 Days  3 Days

Standard (7 Days)

\_\_\_\_\_ (other)

Date Sampled	Time Sampled	Matrix
7/28/25	12:15	W
---	---	W

### Number of Containers

NWTPH-HCID	
NWTPH-Gx/BTEX (8021 <input type="checkbox"/> 8260 <input type="checkbox"/> )	
NWTPH-Gx	
NWTPH-Dx (SG Clean-up <input type="checkbox"/> )	
Volatiles 8260	
Halogenated Volatiles 8260 <input checked="" type="checkbox"/>	X
EDB EPA 8011 (Waters Only)	
Semivolatiles 8270/SIM (with low-level PAHs)	
PAHs 8270/SIM (low-level)	
PCBs 8082	
Organochlorine Pesticides 8081	
Organophosphorus Pesticides 8270/SIM	
Chlorinated Acid Herbicides 8151	
Total RCRA Metals	
Total MTCA Metals	
TCLP Metals	
HEM (oil and grease) 1664	
% Moisture	

Laboratory Number: **07-382**

Signature	Company	Date	Time	Comments/Special Instructions
	Floyd Smider	7/30/25	12:53	Only PCE, TCE, 1,1-DCE, cis-1,2-DCE + VC
	OCBE	7/30/25	12:53	
Received				
Relinquished				
Received				
Relinquished				
Received				
Relinquished				
Reviewed/Date	Reviewed/Date			

Data Package: Standard  Level III  Level IV

Chromatograms with final report  Electronic Data Deliverables (EDDs)

# Sample/Cooler Receipt and Acceptance Checklist

Client: FLS

Client Project Name/Number: COB - Oncall Riverside

Task # 7  
Initiated by: [Signature]

OnSite Project Number: 07-382

Date Initiated: 7/30/15

## 1.0 Cooler Verification

1.1 Were there custody seals on the outside of the cooler?	Yes	<input checked="" type="radio"/> No	N/A	1 2 3 4
1.2 Were the custody seals intact?	Yes	No	<input checked="" type="radio"/> N/A	1 2 3 4
1.3 Were the custody seals signed and dated by last custodian?	Yes	No	<input checked="" type="radio"/> N/A	1 2 3 4
1.4 Were the samples delivered on ice or blue ice?	<input checked="" type="radio"/> Yes	No	N/A	1 2 3 4
1.5 Were samples received between 0-6 degrees Celsius?	<input checked="" type="radio"/> Yes	No	N/A	Temperature: <u>2</u>
1.6 Have shipping bills (if any) been attached to the back of this form?	Yes	<input checked="" type="radio"/> N/A		
1.7 How were the samples delivered?	<input checked="" type="radio"/> Client	Courier	UPS/FedEx	OSE Pickup
				Other

## 2.0 Chain of Custody Verification

2.1 Was a Chain of Custody submitted with the samples?	<input checked="" type="radio"/> Yes	No	1 2 3 4
2.2 Was the COC legible and written in permanent ink?	<input checked="" type="radio"/> Yes	No	1 2 3 4
2.3 Have samples been relinquished and accepted by each custodian?	<input checked="" type="radio"/> Yes	No	1 2 3 4
2.4 Did the sample labels (ID, date, time, preservative) agree with COC?	<input checked="" type="radio"/> Yes	No	1 2 3 4
2.5 Were all of the samples listed on the COC submitted?	<input checked="" type="radio"/> Yes	No	1 2 3 4
2.6 Were any of the samples submitted omitted from the COC?	Yes	<input checked="" type="radio"/> No	1 2 3 4

## 3.0 Sample Verification

3.1 Were any sample containers broken or compromised?	Yes	<input checked="" type="radio"/> No	1 2 3 4
3.2 Were any sample labels missing or illegible?	Yes	<input checked="" type="radio"/> No	1 2 3 4
3.3 Have the correct containers been used for each analysis requested?	<input checked="" type="radio"/> Yes	No	1 2 3 4
3.4 Have the samples been correctly preserved?	<input checked="" type="radio"/> Yes	No	N/A
3.5 Are volatile samples free from headspace and bubbles greater than 6mm?	Yes	<input checked="" type="radio"/> No	N/A
3.6 Is there sufficient sample submitted to perform requested analyses?	<input checked="" type="radio"/> Yes	No	1 2 3 4
3.7 Have any holding times already expired or will expire in 24 hours?	Yes	<input checked="" type="radio"/> No	1 2 3 4
3.8 Was method 5035A used?	Yes	No	N/A
3.9 If 5035A was used, which sampling option was used (#1, 2, or 3).	#	N/A	1 2 3 4

### Explain any discrepancies:

3.5) #2) 1 vial w/ bubble

1 - Discuss issue in Case Narrative

3 - Client contacted to discuss problem

2 - Process Sample As-is

4 - Sample cannot be analyzed or client does not wish to proceed



14648 NE 95<sup>th</sup> Street, Redmond, WA 98052 • (425) 883-3881

September 2, 2025

Kristin Anderson  
Floyd & Snider  
601 Union Street, Suite 600  
Seattle, WA 98101

Re: Analytical Data for Project COB-Riverside T4  
Laboratory Reference No. 2508-280

Dear Kristin:

Enclosed are the analytical results and associated quality control data for samples submitted on August 22, 2025.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal flourish extending to the right.

David Baumeister  
Project Manager

Enclosures



Date of Report: September 2, 2025  
Samples Submitted: August 22, 2025  
Laboratory Reference: 2508-280  
Project: COB-Riverside T4

### Case Narrative

Samples were collected on August 22, 2025 and received by the laboratory on August 22, 2025. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below. However the soil results for the QA/QC samples are reported on a wet-weight basis.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: September 2, 2025  
 Samples Submitted: August 22, 2025  
 Laboratory Reference: 2508-280  
 Project: COB-Riverside T4

**VOLATILE ORGANICS EPA 8260D/SIM**  
 page 1 of 2

Matrix: Water  
 Units: ug/L

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>KCIW-082225</b>					
Laboratory ID:	08-280-01					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	8-26-25	8-26-25	
Chloromethane	ND	1.0	EPA 8260D	8-26-25	8-26-25	
Vinyl Chloride (SIM)	0.036	0.020	EPA 8260D/SIM	8-26-25	8-26-25	
Bromomethane	ND	1.0	EPA 8260D	8-26-25	8-26-25	
Chloroethane	ND	1.0	EPA 8260D	8-26-25	8-26-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	8-26-25	8-26-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	8-26-25	8-26-25	
Iodomethane	ND	1.4	EPA 8260D	8-26-25	8-26-25	
Methylene Chloride	ND	1.0	EPA 8260D	8-26-25	8-26-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	8-26-25	8-26-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	8-26-25	8-26-25	
2,2-Dichloropropane	ND	0.20	EPA 8260D	8-26-25	8-26-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	8-26-25	8-26-25	
Bromochloromethane	ND	0.20	EPA 8260D	8-26-25	8-26-25	
Chloroform	ND	0.20	EPA 8260D	8-26-25	8-26-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	8-26-25	8-26-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	8-26-25	8-26-25	
1,1-Dichloropropene	ND	0.20	EPA 8260D	8-26-25	8-26-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	8-26-25	8-26-25	
Trichloroethene	ND	0.20	EPA 8260D	8-26-25	8-26-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	8-26-25	8-26-25	
Dibromomethane	ND	0.20	EPA 8260D	8-26-25	8-26-25	
Bromodichloromethane	ND	0.20	EPA 8260D	8-26-25	8-26-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	8-26-25	8-26-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	8-26-25	8-26-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	8-26-25	8-26-25	
Tetrachloroethene	4.2	0.20	EPA 8260D	8-26-25	8-26-25	
1,3-Dichloropropane	ND	0.20	EPA 8260D	8-26-25	8-26-25	
Dibromochloromethane	ND	0.20	EPA 8260D	8-26-25	8-26-25	
1,2-Dibromoethane	ND	0.20	EPA 8260D	8-26-25	8-26-25	
Chlorobenzene	ND	0.20	EPA 8260D	8-26-25	8-26-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	8-26-25	8-26-25	



Date of Report: September 2, 2025  
 Samples Submitted: August 22, 2025  
 Laboratory Reference: 2508-280  
 Project: COB-Riverside T4

**VOLATILE ORGANICS EPA 8260D/SIM**  
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>KCIW-082225</b>					
Laboratory ID:	08-280-01					
Bromoform	ND	1.0	EPA 8260D	8-26-25	8-26-25	
Bromobenzene	ND	0.20	EPA 8260D	8-26-25	8-26-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	8-26-25	8-26-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	8-26-25	8-26-25	
2-Chlorotoluene	ND	0.20	EPA 8260D	8-26-25	8-26-25	
4-Chlorotoluene	ND	0.20	EPA 8260D	8-26-25	8-26-25	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	8-26-25	8-26-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	8-26-25	8-26-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	8-26-25	8-26-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	8-26-25	8-26-25	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	8-26-25	8-26-25	
Hexachlorobutadiene	ND	1.0	EPA 8260D	8-26-25	8-26-25	
1,2,3-Trichlorobenzene	ND	1.0	EPA 8260D	8-26-25	8-26-25	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>104</i>	<i>68-133</i>				
<i>Toluene-d8</i>	<i>98</i>	<i>79-123</i>				
<i>4-Bromofluorobenzene</i>	<i>99</i>	<i>78-117</i>				



Date of Report: September 2, 2025  
 Samples Submitted: August 22, 2025  
 Laboratory Reference: 2508-280  
 Project: COB-Riverside T4

**VOLATILE ORGANICS EPA 8260D/SIM  
 QUALITY CONTROL**

page 1 of 2

Matrix: Water

Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>METHOD BLANK</b>						
Laboratory ID:	MB0826W1					
Dichlorodifluoromethane	ND	0.20	EPA 8260D	8-26-25	8-26-25	
Chloromethane	ND	1.0	EPA 8260D	8-26-25	8-26-25	
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	8-26-25	8-26-25	
Bromomethane	ND	1.0	EPA 8260D	8-26-25	8-26-25	
Chloroethane	ND	1.0	EPA 8260D	8-26-25	8-26-25	
Trichlorofluoromethane	ND	0.20	EPA 8260D	8-26-25	8-26-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	8-26-25	8-26-25	
Iodomethane	ND	1.4	EPA 8260D	8-26-25	8-26-25	
Methylene Chloride	ND	1.0	EPA 8260D	8-26-25	8-26-25	
(trans) 1,2-Dichloroethene	ND	0.20	EPA 8260D	8-26-25	8-26-25	
1,1-Dichloroethane	ND	0.20	EPA 8260D	8-26-25	8-26-25	
2,2-Dichloropropane	ND	0.20	EPA 8260D	8-26-25	8-26-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	8-26-25	8-26-25	
Bromochloromethane	ND	0.20	EPA 8260D	8-26-25	8-26-25	
Chloroform	ND	0.20	EPA 8260D	8-26-25	8-26-25	
1,1,1-Trichloroethane	ND	0.20	EPA 8260D	8-26-25	8-26-25	
Carbon Tetrachloride	ND	0.20	EPA 8260D	8-26-25	8-26-25	
1,1-Dichloropropene	ND	0.20	EPA 8260D	8-26-25	8-26-25	
1,2-Dichloroethane	ND	0.20	EPA 8260D	8-26-25	8-26-25	
Trichloroethene	ND	0.20	EPA 8260D	8-26-25	8-26-25	
1,2-Dichloropropane	ND	0.20	EPA 8260D	8-26-25	8-26-25	
Dibromomethane	ND	0.20	EPA 8260D	8-26-25	8-26-25	
Bromodichloromethane	ND	0.20	EPA 8260D	8-26-25	8-26-25	
(cis) 1,3-Dichloropropene	ND	0.20	EPA 8260D	8-26-25	8-26-25	
(trans) 1,3-Dichloropropene	ND	0.20	EPA 8260D	8-26-25	8-26-25	
1,1,2-Trichloroethane	ND	0.20	EPA 8260D	8-26-25	8-26-25	
Tetrachloroethene	ND	0.20	EPA 8260D	8-26-25	8-26-25	
1,3-Dichloropropane	ND	0.20	EPA 8260D	8-26-25	8-26-25	
Dibromochloromethane	ND	0.20	EPA 8260D	8-26-25	8-26-25	
1,2-Dibromoethane	ND	0.20	EPA 8260D	8-26-25	8-26-25	
Chlorobenzene	ND	0.20	EPA 8260D	8-26-25	8-26-25	
1,1,1,2-Tetrachloroethane	ND	0.20	EPA 8260D	8-26-25	8-26-25	



Date of Report: September 2, 2025  
 Samples Submitted: August 22, 2025  
 Laboratory Reference: 2508-280  
 Project: COB-Riverside T4

**VOLATILE ORGANICS EPA 8260D/SIM**  
**QUALITY CONTROL**  
 page 2 of 2

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>METHOD BLANK</b>						
Laboratory ID:	MB0826W1					
Bromoform	ND	1.0	EPA 8260D	8-26-25	8-26-25	
Bromobenzene	ND	0.20	EPA 8260D	8-26-25	8-26-25	
1,1,2,2-Tetrachloroethane	ND	0.20	EPA 8260D	8-26-25	8-26-25	
1,2,3-Trichloropropane	ND	0.20	EPA 8260D	8-26-25	8-26-25	
2-Chlorotoluene	ND	0.20	EPA 8260D	8-26-25	8-26-25	
4-Chlorotoluene	ND	0.20	EPA 8260D	8-26-25	8-26-25	
1,3-Dichlorobenzene	ND	0.20	EPA 8260D	8-26-25	8-26-25	
1,4-Dichlorobenzene	ND	0.20	EPA 8260D	8-26-25	8-26-25	
1,2-Dichlorobenzene	ND	0.20	EPA 8260D	8-26-25	8-26-25	
1,2-Dibromo-3-chloropropane	ND	1.0	EPA 8260D	8-26-25	8-26-25	
1,2,4-Trichlorobenzene	ND	0.20	EPA 8260D	8-26-25	8-26-25	
Hexachlorobutadiene	ND	1.0	EPA 8260D	8-26-25	8-26-25	
1,2,3-Trichlorobenzene	ND	1.0	EPA 8260D	8-26-25	8-26-25	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	99	68-133				
<i>Toluene-d8</i>	98	79-123				
<i>4-Bromofluorobenzene</i>	97	78-117				



Date of Report: September 2, 2025  
 Samples Submitted: August 22, 2025  
 Laboratory Reference: 2508-280  
 Project: COB-Riverside T4

**VOLATILE ORGANICS EPA 8260D/SIM**  
**QUALITY CONTROL**  
 page 1 of 2

Matrix: Water  
 Units: ug/L

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	
					Recovery	Limits	RPD	Limit	Flags
<b>SPIKE BLANKS</b>									
Laboratory ID:	SB0826W1								
	SB	SBD	SB	SBD	SB	SBD			
Dichlorodifluoromethane	9.33	9.02	10.0	10.0	93	90	34-166	3	25
Chloromethane	9.42	9.14	10.0	10.0	94	91	38-141	3	31
Vinyl Chloride	10.3	10.0	10.0	10.0	103	100	67-131	3	16
Bromomethane	8.76	10.6	10.0	10.0	88	106	30-155	19	34
Chloroethane	10.2	9.90	10.0	10.0	102	99	63-130	3	18
Trichlorofluoromethane	11.0	11.2	10.0	10.0	110	112	80-131	2	17
1,1-Dichloroethene	10.3	10.3	10.0	10.0	103	103	77-125	0	15
Iodomethane	7.30	9.79	10.0	10.0	73	98	27-146	29	33
Methylene Chloride	10.4	10.4	10.0	10.0	104	104	66-123	0	15
(trans) 1,2-Dichloroethene	10.4	10.5	10.0	10.0	104	105	76-126	1	15
1,1-Dichloroethane	10.4	10.2	10.0	10.0	104	102	75-126	2	15
2,2-Dichloropropane	12.2	12.0	10.0	10.0	122	120	75-154	2	19
(cis) 1,2-Dichloroethene	10.7	10.5	10.0	10.0	107	105	77-129	2	15
Bromochloromethane	10.6	10.4	10.0	10.0	106	104	72-129	2	19
Chloroform	10.0	10.1	10.0	10.0	100	101	72-125	1	15
1,1,1-Trichloroethane	10.1	9.94	10.0	10.0	101	99	79-127	2	15
Carbon Tetrachloride	10.2	10.0	10.0	10.0	102	100	78-131	2	15
1,1-Dichloropropene	10.2	10.3	10.0	10.0	102	103	77-124	1	15
1,2-Dichloroethane	10.9	10.8	10.0	10.0	109	108	74-128	1	15
Trichloroethene	10.2	10.3	10.0	10.0	102	103	80-130	1	15
1,2-Dichloropropane	10.1	9.98	10.0	10.0	101	100	80-124	1	15
Dibromomethane	9.75	9.83	10.0	10.0	98	98	80-131	1	15
Bromodichloromethane	10.3	10.2	10.0	10.0	103	102	81-131	1	15
(cis) 1,3-Dichloropropene	11.3	11.4	10.0	10.0	113	114	74-136	1	15
(trans) 1,3-Dichloropropene	11.9	11.8	10.0	10.0	119	118	69-137	1	15
1,1,2-Trichloroethane	10.2	10.1	10.0	10.0	102	101	80-122	1	15
Tetrachloroethene	10.4	10.5	10.0	10.0	104	105	80-130	1	20
1,3-Dichloropropane	10.8	10.9	10.0	10.0	108	109	82-128	1	15
Dibromochloromethane	10.5	10.3	10.0	10.0	105	103	58-149	2	32
1,2-Dibromoethane	10.6	10.5	10.0	10.0	106	105	82-127	1	15
Chlorobenzene	10.8	10.7	10.0	10.0	108	107	80-120	1	15
1,1,1,2-Tetrachloroethane	10.5	10.4	10.0	10.0	105	104	80-127	1	15
Bromoform	9.45	9.27	10.0	10.0	95	93	66-136	2	15



Date of Report: September 2, 2025  
 Samples Submitted: August 22, 2025  
 Laboratory Reference: 2508-280  
 Project: COB-Riverside T4

**VOLATILE ORGANICS EPA 8260D/SIM**  
**QUALITY CONTROL**  
 page 2 of 2

Analyte	Result		Spike Level		Percent Recovery		Recovery	RPD	RPD	Flags
					Recovery	Limits	RPD	Limit		
<b>SPIKE BLANKS</b>										
Laboratory ID:	SB0826W1									
	SB	SBD	SB	SBD	SB	SBD				
Bromobenzene	10.8	11.0	10.0	10.0	108	110	82-123	2	15	
1,1,2,2-Tetrachloroethane	11.7	11.2	10.0	10.0	117	112	78-124	4	15	
1,2,3-Trichloropropane	11.0	10.8	10.0	10.0	110	108	67-123	2	15	
2-Chlorotoluene	11.1	11.2	10.0	10.0	111	112	77-126	1	15	
4-Chlorotoluene	11.0	11.5	10.0	10.0	110	115	79-128	4	15	
1,3-Dichlorobenzene	11.0	11.1	10.0	10.0	110	111	79-125	1	15	
1,4-Dichlorobenzene	10.6	10.8	10.0	10.0	106	108	78-123	2	15	
1,2-Dichlorobenzene	10.8	11.0	10.0	10.0	108	110	79-125	2	15	
1,2-Dibromo-3-chloropropane	9.61	9.20	10.0	10.0	96	92	62-133	4	17	
1,2,4-Trichlorobenzene	9.14	9.55	10.0	10.0	91	96	74-140	4	20	
Hexachlorobutadiene	9.93	10.4	10.0	10.0	99	104	76-144	5	22	
1,2,3-Trichlorobenzene	9.01	9.92	10.0	10.0	90	99	64-142	10	28	
<i>Surrogate:</i>										
Dibromofluoromethane					101	99	68-133			
Toluene-d8					100	99	79-123			
4-Bromofluorobenzene					99	98	78-117			



Date of Report: September 2, 2025  
Samples Submitted: August 22, 2025  
Laboratory Reference: 2508-280  
Project: COB-Riverside T4

**SETTLABLE SOLIDS**  
**SM 2540F**

Matrix: Water

Units: mL/L

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>KCIW-082225</b>					
Laboratory ID:	08-280-01					
Settleable Solids	<b>2.0</b>	0.20	SM 2540F	8-22-25	8-22-25	





### Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
  - B - The analyte indicated was also found in the blank sample.
  - C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
  - E - The value reported exceeds the quantitation range and is an estimate.
  - F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
  - H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
  - I - Compound recovery is outside of the control limits.
  - J - The value reported was below the practical quantitation limit. The value is an estimate.
  - K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
  - L - The RPD is outside of the control limits.
  - M - Hydrocarbons in the gasoline range are impacting the diesel range result.
  - M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
  - N - Hydrocarbons in the lube oil range are impacting the diesel range result.
  - N1 - Hydrocarbons in diesel range are impacting lube oil range results.
  - O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
  - P - The RPD of the detected concentrations between the two columns is greater than 40.
  - Q - Surrogate recovery is outside of the control limits.
  - S - Surrogate recovery data is not available due to the necessary dilution of the sample.
  - T - The sample chromatogram is not similar to a typical \_\_\_\_\_.
  - U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
  - U1 - The practical quantitation limit is elevated due to interferences present in the sample.
  - V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
  - W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
  - X - Sample extract treated with a mercury cleanup procedure.
  - X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
  - X2 - Sample extract treated with a silica gel cleanup procedure.
  - Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
  - Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.
  - Z -
- ND - Not Detected at PQL  
 PQL - Practical Quantitation Limit  
 RPD - Relative Percent Difference





**Onsite Environmental Inc.**  
 Analytical Laboratory Testing Services  
 14648 NE 95th Street • Redmond, WA 98052  
 Phone: (425) 883-3881 • www.onsite-env.com

# Chain of Custody

Turnaround Request  
 (in working days)  
 (Check One)

Same Day  1 Day

2 Days  3 Days

Standard (7 Days)

\_\_\_\_\_ (other)

Laboratory Number:

**08-280**

Company: Floyd Snider  
 Project Number: COB - Riverside #4  
 Project Name: Riverside THOC  
 Project Manager: R. Anderson & C. Dahlville  
 Sampled by: LC A Galloway

Lab ID: \_\_\_\_\_ Sample Identification: \_\_\_\_\_

Date Sampled: 8/22/05 Time Sampled: 1055 Matrix: AS

Number of Containers: 4

NWTPH-HCID	
NWTPH-Gx/BTEX (8021 <input type="checkbox"/> 8260 <input type="checkbox"/> )	
NWTPH-Gx	
NWTPH-Dx (SG Clean-up <input type="checkbox"/> )	
Volatiles 8260	
Halogenated Volatiles 8260	<u>X</u>
EDB EPA 8011 (Waters Only)	
Semivolatiles 8270/SIM (with low-level PAHs)	
PAHs 8270/SIM (low-level)	
PCBs 8082	
Organochlorine Pesticides 8081	
Organophosphorus Pesticides 8270/SIM	
Chlorinated Acid Herbicides 8151	
Total RCRA Metals	
Total MTCA Metals	
TCLP Metals	
HEM (oil and grease) 1664	
<u>Settleable Solids</u>	<u>X</u>
% Moisture	

Signature	Company	Date	Time	Comments/Special Instructions
	<u>FS</u>	<u>8/22/05</u>	<u>1157</u>	
	<u>COE</u>	<u>8/22/05</u>	<u>1157</u>	
Relinquished				
Received				
Relinquished				
Received				
Relinquished				
Received				
Relinquished				
Received				
Relinquished				
Reviewed/Date				

Data Package: Standard  Level III  Level IV   
 Chromatograms with final report  Electronic Data Deliverables (EDDs)

# Sample/Cooler Receipt and Acceptance Checklist

Client: FLS  
 Client Project Name/Number: COB-Riverside T4  
 OnSite Project Number: 08-280

Initiated by: *MM*  
 Date Initiated: 8/22/15

## 1.0 Cooler Verification

1.1 Were there custody seals on the outside of the cooler?	Yes	<input checked="" type="radio"/> No	N/A	1 2 3 4
1.2 Were the custody seals intact?	Yes	No	<input checked="" type="radio"/> N/A	1 2 3 4
1.3 Were the custody seals signed and dated by last custodian?	Yes	No	<input checked="" type="radio"/> N/A	1 2 3 4
1.4 Were the samples delivered on ice or blue ice?	<input checked="" type="radio"/> Yes	No	N/A	1 2 3 4
1.5 Were samples received between 0-6 degrees Celsius?	Yes	<input checked="" type="radio"/> No	N/A	Temperature: <u>9</u>
1.6 Have shipping bills (if any) been attached to the back of this form?	Yes	<input checked="" type="radio"/> N/A		
1.7 How were the samples delivered?	<input checked="" type="radio"/> Client	<input type="radio"/> Courier	<input type="radio"/> UPS/FedEx	<input type="radio"/> OSE Pickup <input type="radio"/> Other

## 2.0 Chain of Custody Verification

2.1 Was a Chain of Custody submitted with the samples?	<input checked="" type="radio"/> Yes	No		1 2 3 4
2.2 Was the COC legible and written in permanent ink?	<input checked="" type="radio"/> Yes	No		1 2 3 4
2.3 Have samples been relinquished and accepted by each custodian?	<input checked="" type="radio"/> Yes	No		1 2 3 4
2.4 Did the sample labels (ID, date, time, preservative) agree with COC?	<input checked="" type="radio"/> Yes	No		1 2 3 4
2.5 Were all of the samples listed on the COC submitted?	<input checked="" type="radio"/> Yes	No		1 2 3 4
2.6 Were any of the samples submitted omitted from the COC?	Yes	<input checked="" type="radio"/> No		1 2 3 4

## 3.0 Sample Verification

3.1 Were any sample containers broken or compromised?	Yes	<input checked="" type="radio"/> No		1 2 3 4
3.2 Were any sample labels missing or illegible?	Yes	<input checked="" type="radio"/> No		1 2 3 4
3.3 Have the correct containers been used for each analysis requested?	<input checked="" type="radio"/> Yes	No		1 2 3 4
3.4 Have the samples been correctly preserved?	<input checked="" type="radio"/> Yes	No	N/A	1 2 3 4
3.5 Are volatiles samples free from headspace and bubbles greater than 6mm?	<input checked="" type="radio"/> Yes	No	N/A	1 2 3 4
3.6 Is there sufficient sample submitted to perform requested analyses?	<input checked="" type="radio"/> Yes	No		1 2 3 4
3.7 Have any holding times already expired or will expire in 24 hours?	Yes	<input checked="" type="radio"/> No		1 2 3 4
3.8 Was method 5035A used?	Yes	No	<input checked="" type="radio"/> N/A	1 2 3 4
3.9 If 5035A was used, which sampling option was used (#1, 2, or 3).	#		<input checked="" type="radio"/> N/A	1 2 3 4

### Explain any discrepancies:


1 - Discuss issue in Case Narrative

3 - Client contacted to discuss problem

2 - Process Sample As-is

4 - Sample cannot be analyzed or client does not wish to proceed



14648 NE 95<sup>th</sup> Street, Redmond, WA 98052 • (425) 883-3881

October 2, 2025

Kristin Anderson  
Floyd & Snider  
601 Union Street, Suite 600  
Seattle, WA 98101

Re: Analytical Data for Project COB-Riverside Task 4  
Laboratory Reference No. 2509-338

Dear Kristin:

Enclosed are the analytical results and associated quality control data for samples submitted on September 24, 2025.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

A handwritten signature in black ink, appearing to read "DB", with a long horizontal flourish extending to the right.

David Baumeister  
Project Manager

Enclosures



---

OnSite Environmental, Inc. 14648 NE 95<sup>th</sup> Street, Redmond, WA 98052 (425) 883-3881

This report pertains to the samples analyzed in accordance with the chain of custody, and is intended only for the use of the individual or company to whom it is addressed.

Date of Report: October 2, 2025  
Samples Submitted: September 24, 2025  
Laboratory Reference: 2509-338  
Project: COB-Riverside Task 4

### Case Narrative

Samples were collected on September 24, 2025 and received by the laboratory on September 24, 2025. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below. However the soil results for the QA/QC samples are reported on a wet-weight basis.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.



Date of Report: October 2, 2025  
 Samples Submitted: September 24, 2025  
 Laboratory Reference: 2509-338  
 Project: COB-Riverside Task 4

### VOLATILE ORGANICS EPA 8260D/SIM

Matrix: Water  
 Units: ug/L

Analyte	Result	PQL	Method	Date Prepared	Date Analyzed	Flags
<b>Client ID:</b>	<b>KCIW-092425</b>					
Laboratory ID:	09-338-01					
Vinyl Chloride (SIM)	0.043	0.020	EPA 8260D/SIM	9-25-25	9-25-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	9-25-25	9-25-25	
(cis) 1,2-Dichloroethene	1.9	0.20	EPA 8260D	9-25-25	9-25-25	
Trichloroethene	2.8	0.20	EPA 8260D	9-25-25	9-25-25	
Tetrachloroethene	16	0.20	EPA 8260D	9-25-25	9-25-25	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	<i>101</i>	<i>68-133</i>				
<i>Toluene-d8</i>	<i>100</i>	<i>79-123</i>				
<i>4-Bromofluorobenzene</i>	<i>97</i>	<i>78-117</i>				



Date of Report: October 2, 2025  
 Samples Submitted: September 24, 2025  
 Laboratory Reference: 2509-338  
 Project: COB-Riverside Task 4

**VOLATILE ORGANICS EPA 8260D/SIM  
 QUALITY CONTROL**

Matrix: Water  
 Units: ug/L

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>METHOD BLANK</b>						
Laboratory ID:	MB0925W1					
Vinyl Chloride (SIM)	ND	0.020	EPA 8260D/SIM	9-25-25	9-25-25	
1,1-Dichloroethene	ND	0.20	EPA 8260D	9-25-25	9-25-25	
(cis) 1,2-Dichloroethene	ND	0.20	EPA 8260D	9-25-25	9-25-25	
Trichloroethene	ND	0.20	EPA 8260D	9-25-25	9-25-25	
Tetrachloroethene	ND	0.20	EPA 8260D	9-25-25	9-25-25	
<i>Surrogate:</i>	<i>Percent Recovery</i>	<i>Control Limits</i>				
<i>Dibromofluoromethane</i>	98	68-133				
<i>Toluene-d8</i>	98	79-123				
<i>4-Bromofluorobenzene</i>	95	78-117				

<b>Analyte</b>	<b>Result</b>		<b>Spike Level</b>		<b>Percent Recovery</b>		<b>Recovery Limits</b>	<b>RPD</b>	<b>RPD Limit</b>	<b>Flags</b>
<b>SPIKE BLANKS</b>										
Laboratory ID:	SB0925W1									
	SB	SBD	SB	SBD	SB	SBD				
Vinyl Chloride	9.59	9.07	10.0	10.0	96	91	67-131	6	16	
1,1-Dichloroethene	11.1	11.1	10.0	10.0	111	111	77-125	0	15	
(cis) 1,2-Dichloroethene	11.9	12.1	10.0	10.0	119	121	77-129	2	15	
Trichloroethene	11.8	12.2	10.0	10.0	118	122	80-130	3	15	
Tetrachloroethene	11.5	11.8	10.0	10.0	115	118	80-130	3	20	
<i>Surrogate:</i>										
<i>Dibromofluoromethane</i>					105	102	68-133			
<i>Toluene-d8</i>					103	102	79-123			
<i>4-Bromofluorobenzene</i>					103	102	78-117			



Date of Report: October 2, 2025  
Samples Submitted: September 24, 2025  
Laboratory Reference: 2509-338  
Project: COB-Riverside Task 4

**SETTLEABLE SOLIDS**  
**SM 2540F**

Matrix: Water

Units: mL/L

<b>Analyte</b>	<b>Result</b>	<b>PQL</b>	<b>Method</b>	<b>Date Prepared</b>	<b>Date Analyzed</b>	<b>Flags</b>
<b>Client ID:</b>	<b>KCIW-092425</b>					
Laboratory ID:	09-338-01					
Settleable Solids	<b>ND</b>	0.19	SM 2540F	9-24-25	9-24-25 16:39	





### Data Qualifiers and Abbreviations

- A - Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
  - B - The analyte indicated was also found in the blank sample.
  - C - The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
  - E - The value reported exceeds the quantitation range and is an estimate.
  - F - Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
  - H - The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
  - I - Compound recovery is outside of the control limits.
  - J - The value reported was below the practical quantitation limit. The value is an estimate.
  - K - Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
  - L - The RPD is outside of the control limits.
  - M - Hydrocarbons in the gasoline range are impacting the diesel range result.
  - M1 - Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
  - N - Hydrocarbons in the lube oil range are impacting the diesel range result.
  - N1 - Hydrocarbons in diesel range are impacting lube oil range results.
  - O - Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
  - P - The RPD of the detected concentrations between the two columns is greater than 40.
  - Q - Surrogate recovery is outside of the control limits.
  - S - Surrogate recovery data is not available due to the necessary dilution of the sample.
  - T - The sample chromatogram is not similar to a typical \_\_\_\_\_.
  - U - The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
  - U1 - The practical quantitation limit is elevated due to interferences present in the sample.
  - V - Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
  - W - Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
  - X - Sample extract treated with a mercury cleanup procedure.
  - X1 - Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
  - X2 - Sample extract treated with a silica gel cleanup procedure.
  - Y - The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
  - Y1 - Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.
  - Z -
- ND - Not Detected at PQL  
 PQL - Practical Quantitation Limit  
 RPD - Relative Percent Difference





# Sample/Cooler Receipt and Acceptance Checklist

Client: FLS

Client Project Name/Number: COB-Riverside T4

OnSite Project Number: 09-338

Initiated by: JP

Date Initiated: 7/24/2025

## 1.0 Cooler Verification

1.1 Were there custody seals on the outside of the cooler?	Yes	<input checked="" type="radio"/> No	N/A	1 2 3 4
1.2 Were the custody seals intact?	Yes	No	<input checked="" type="radio"/> N/A	1 2 3 4
1.3 Were the custody seals signed and dated by last custodian?	Yes	No	<input checked="" type="radio"/> N/A	1 2 3 4
1.4 Were the samples delivered on ice or blue ice?	<input checked="" type="radio"/> Yes	No	N/A	1 2 3 4
1.5 Were samples received between 0-6 degrees Celsius?	<input checked="" type="radio"/> Yes	No	Temperature: <u>3.6°C</u>	
1.6 Have shipping bills (if any) been attached to the back of this form?	Yes	<input checked="" type="radio"/> N/A		
1.7 How were the samples delivered?	<input checked="" type="radio"/> Client	<input type="radio"/> Courier	<input type="radio"/> UPS/FedEx	<input type="radio"/> OSE Pickup <input type="radio"/> Other

## 2.0 Chain of Custody Verification

2.1 Was a Chain of Custody submitted with the samples?	<input checked="" type="radio"/> Yes	No	1 2 3 4
2.2 Was the COC legible and written in permanent ink?	<input checked="" type="radio"/> Yes	No	1 2 3 4
2.3 Have samples been relinquished and accepted by each custodian?	<input checked="" type="radio"/> Yes	No	1 2 3 4
2.4 Did the sample labels (ID, date, time, preservative) agree with COC?	<input checked="" type="radio"/> Yes	No	1 2 3 4
2.5 Were all of the samples listed on the COC submitted?	<input checked="" type="radio"/> Yes	No	1 2 3 4
2.6 Were any of the samples submitted omitted from the COC?	Yes	<input checked="" type="radio"/> No	1 2 3 4

## 3.0 Sample Verification

3.1 Were any sample containers broken or compromised?	Yes	<input checked="" type="radio"/> No	1 2 3 4
3.2 Were any sample labels missing or illegible?	Yes	<input checked="" type="radio"/> No	1 2 3 4
3.3 Have the correct containers been used for each analysis requested?	<input checked="" type="radio"/> Yes	No	1 2 3 4
3.4 Have the samples been correctly preserved?	Yes	No	<input checked="" type="radio"/> N/A
3.5 Are volatiles samples free from headspace and bubbles greater than 6mm?	<input checked="" type="radio"/> Yes	No	N/A
3.6 Is there sufficient sample submitted to perform requested analyses?	<input checked="" type="radio"/> Yes	No	1 2 3 4
3.7 Have any holding times already expired or will expire in 24 hours?	Yes	<input checked="" type="radio"/> No	1 2 3 4
3.8 Was method 5035A used?	Yes	No	<input checked="" type="radio"/> N/A
3.9 If 5035A was used, which sampling option was used (#1, 2, or 3).	#		<input checked="" type="radio"/> N/A

### Explain any discrepancies:


1 - Discuss issue in Case Narrative

3 - Client contacted to discuss problem

2 - Process Sample As-is

4 - Sample cannot be analyzed or client does not wish to proceed