



## **Williams Petroleum Services, LLC**

One Williams Center  
P.O. Box 3483  
Tulsa, OK 74101-3483

October 4, 2023

Ms. Leslye Werner  
Environmental Protection Agency, Region 7  
11201 Renner Boulevard  
Lenexa, Kansas 66219

Re: Quarterly Update – 3rd Quarter 2023  
Former Augusta Refinery (FAR) RCRA Facility Investigation (RFI)  
Williams Petroleum Services (WPS), LLC  
Augusta, Kansas – KSD007235138

Dear Mr. Lininger:

This letter is offered as the report of investigation activities at the Former Augusta Refinery (FAR) in accordance with Section X, "Reporting," of the Administrative Order on Consent dated October 24, 2003, Docket No. RCRA-07-2004-0009. This report addresses activities occurring during the period of July 1 through September 30, 2022.

### *Description of Activities*

- In accordance with the August 26, 2015, LNAPL Corrective Measures Study (CMS) Work Plan Addendum, completed routine manual and passive light non-aqueous phase liquid (LNAPL) recovery efforts for the continued evaluation of LNAPL removal efficacy.
- In correspondence dated July 11, 2023, the 2nd quarter 2023 Quarterly Report was submitted to the USEPA and KDHE.
- On July 27, submitted the 2nd quarterly 2023 NPDES sampling results to KDHE.
- In the 3<sup>rd</sup> quarter, initiated field actions for the SWMU 12 and 16 Interim Corrective Measures scope of work. By the end of the quarter, completed:
  - Cleaned 40 sewer seals. Sewer seal cleaning was completed.
  - Cleaned over 9,500 feet of process sewer lines. All accessible sewer lines have been cleaned.
  - Plugged 40 sewer seals and over 9,500 feet of process sewer lines. Line and seal plugging is complete.
  - Processed and discharged over 300,000 gallons of water from the sewer line cleaning.

- On August 24, KDHE visited the site to view the interim corrective measures work and view/sample several Walnut River seeps. KDHE collected samples and APTIM collected split samples.

*Summary of All Findings*

- All analytical for the 2023 groundwater monitoring event are being reviewed and compiled. These results will be presented in a groundwater monitoring report to KDHE in the 4<sup>th</sup> quarter.
- The split samples collected from Seep 2 and Seep 3 on the Walnut River had no detections of project analyte list volatile organic compounds. The analytical reports for these two samples are attached.

*Summaries of All EPA/KDHE Approved Changes*

- None.

*Summaries of All Contacts*

- On August 24, KDHE visited the site to view the interim corrective measures work and view/sample several Walnut River seeps. KDHE collected samples and APTIM collected split samples.
- On September 6, KDHE personnel presented information pertaining to erosion of the Walnut River bank since 2018.

*Summaries of Problems Encountered*

- None.

*Actions to Rectify Problems*

- None.

*Changes in Key Project Entities*

- None.

*Projected Work for the Next Reporting Period*

The following activities will be performed or initiated during the next reporting period:

- Complete execution of the SWMU 12 and 16 Interim Corrective Measures work.
- Submit the 2023 Groundwater Monitoring Report to KDHE.
- Continue LNAPL monitoring and removal.
- Continue quarterly NPDES monitoring.

*Other Relevant Documentation*

- None

I certify that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to evaluate the information submitted. I certify that the information contained in or accompanying this submittal is true, accurate, and complete. As to those identified portion(s) of this submittal for which I cannot personally verify the accuracy, I certify that this submittal and all attachments were prepared in accordance with the procedures designed to ensure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those directly responsible for gathering the information, or the immediate supervisor of such person(s), 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.

Please provide all written correspondence regarding this Quarterly Update directly to Mr. Lee Andrews, with Williams Petroleum Services, LLC. If you have any questions, do not hesitate to contact Mr. Andrews at (918) 573-6912.

Sincerely,

Williams Petroleum Services, LLC

Mark A. Gebbia

Vice President, Environmental, Regulatory & Permitting

c: Gary Blackburn, KDHE

Lee Andrews, Williams Petroleum Services, LLC

David Way, Aptim Environmental & Infrastructure, LLC.



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10450 Stancliff Rd. Suite 210  
Houston, TX 77099  
T: +1 281 530 5656  
F: +1 281 530 5887

August 30, 2023

Phil Osborn  
Aptim Environmental & Infrastructure  
2872 N Ridge Rd, Suite 102B  
Wichita, KS 67205

Work Order: **HS23081636**

Laboratory Results for: **Williams FAR CMS**

Dear Phil Osborn,

ALS Environmental received 3 sample(s) on Aug 25, 2023 for the analysis presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental and for only the analyses requested. Results are expressed as "as received" unless otherwise noted.

QC sample results for this data met EPA or laboratory specifications except as noted in the Case Narrative or as noted with qualifiers in the QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained by ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

If you have any questions regarding this report, please feel free to call me.

Sincerely,

Generated By: JUMOKE.LAWAL

James Guin

**Client:** Aptim Environmental & Infrastructure  
**Project:** Williams FAR CMS  
**Work Order:** HS23081636

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23081636-01	Seep 2	Water		24-Aug-2023 12:05	25-Aug-2023 09:50	<input type="checkbox"/>
HS23081636-02	Seep 3	Water		24-Aug-2023 12:45	25-Aug-2023 09:50	<input type="checkbox"/>
HS23081636-03	Trip Blank	Water	CG-071023 -67	25-Aug-2023 09:50	25-Aug-2023 09:50	<input checked="" type="checkbox"/>

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**Client:** Aptim Environmental & Infrastructure  
**Project:** Williams FAR CMS  
**Work Order:** HS23081636

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**CASE NARRATIVE**

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**GCMS Volatiles by Method SW8260**

**Batch ID: R445109**

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.
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Client: Aptim Environmental & Infrastructure  
 Project: Williams FAR CMS  
 Sample ID: Seep 2  
 Collection Date: 24-Aug-2023 12:05

**ANALYTICAL REPORT**

WorkOrder:HS23081636  
 Lab ID:HS23081636-01  
 Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
<b>LOW LEVEL VOLATILES BY SW8260C</b>		<b>Method:SW8260</b>					Analyst: KDN
1,1,1-Trichloroethane	U		0.20	1.0	ug/L	1	29-Aug-2023 17:43
1,1-Dichloroethane	U		0.20	1.0	ug/L	1	29-Aug-2023 17:43
1,1-Dichloroethene	U		0.20	1.0	ug/L	1	29-Aug-2023 17:43
Acetone	U		1.4	2.0	ug/L	1	29-Aug-2023 17:43
Benzene	U		0.20	1.0	ug/L	1	29-Aug-2023 17:43
Carbon disulfide	U		0.60	2.0	ug/L	1	29-Aug-2023 17:43
Chlorobenzene	U		0.30	1.0	ug/L	1	29-Aug-2023 17:43
Ethylbenzene	U		0.30	1.0	ug/L	1	29-Aug-2023 17:43
m,p-Xylene	U		0.50	2.0	ug/L	1	29-Aug-2023 17:43
Methyl tert-butyl ether	U		0.20	1.0	ug/L	1	29-Aug-2023 17:43
Methylene chloride	U		1.0	2.0	ug/L	1	29-Aug-2023 17:43
o-Xylene	U		0.30	1.0	ug/L	1	29-Aug-2023 17:43
Tetrachloroethene	U		0.30	1.0	ug/L	1	29-Aug-2023 17:43
Toluene	U		0.20	1.0	ug/L	1	29-Aug-2023 17:43
Vinyl chloride	U		0.20	1.0	ug/L	1	29-Aug-2023 17:43
Xylenes, Total	U		0.30	3.0	ug/L	1	29-Aug-2023 17:43
Surr: 1,2-Dichloroethane-d4	109			70-126	%REC	1	29-Aug-2023 17:43
Surr: 4-Bromofluorobenzene	107			77-113	%REC	1	29-Aug-2023 17:43
Surr: Dibromofluoromethane	111			77-123	%REC	1	29-Aug-2023 17:43
Surr: Toluene-d8	97.1			82-127	%REC	1	29-Aug-2023 17:43

Note: See Qualifiers Page for a list of qualifiers and their explanation.

Client: Aptim Environmental & Infrastructure  
 Project: Williams FAR CMS  
 Sample ID: Seep 3  
 Collection Date: 24-Aug-2023 12:45

**ANALYTICAL REPORT**

WorkOrder:HS23081636  
 Lab ID:HS23081636-02  
 Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
<b>LOW LEVEL VOLATILES BY SW8260C</b>		<b>Method:SW8260</b>					Analyst: KDN
1,1,1-Trichloroethane	U		0.20	1.0	ug/L	1	29-Aug-2023 18:04
1,1-Dichloroethane	U		0.20	1.0	ug/L	1	29-Aug-2023 18:04
1,1-Dichloroethene	U		0.20	1.0	ug/L	1	29-Aug-2023 18:04
Acetone	U		1.4	2.0	ug/L	1	29-Aug-2023 18:04
Benzene	U		0.20	1.0	ug/L	1	29-Aug-2023 18:04
Carbon disulfide	U		0.60	2.0	ug/L	1	29-Aug-2023 18:04
Chlorobenzene	U		0.30	1.0	ug/L	1	29-Aug-2023 18:04
Ethylbenzene	U		0.30	1.0	ug/L	1	29-Aug-2023 18:04
m,p-Xylene	U		0.50	2.0	ug/L	1	29-Aug-2023 18:04
Methyl tert-butyl ether	U		0.20	1.0	ug/L	1	29-Aug-2023 18:04
Methylene chloride	U		1.0	2.0	ug/L	1	29-Aug-2023 18:04
o-Xylene	U		0.30	1.0	ug/L	1	29-Aug-2023 18:04
Tetrachloroethene	U		0.30	1.0	ug/L	1	29-Aug-2023 18:04
Toluene	U		0.20	1.0	ug/L	1	29-Aug-2023 18:04
Vinyl chloride	U		0.20	1.0	ug/L	1	29-Aug-2023 18:04
Xylenes, Total	U		0.30	3.0	ug/L	1	29-Aug-2023 18:04
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>105</i>			<i>70-126</i>	<i>%REC</i>	<i>1</i>	<i>29-Aug-2023 18:04</i>
<i>Surr: 4-Bromofluorobenzene</i>	<i>103</i>			<i>77-113</i>	<i>%REC</i>	<i>1</i>	<i>29-Aug-2023 18:04</i>
<i>Surr: Dibromofluoromethane</i>	<i>104</i>			<i>77-123</i>	<i>%REC</i>	<i>1</i>	<i>29-Aug-2023 18:04</i>
<i>Surr: Toluene-d8</i>	<i>98.2</i>			<i>82-127</i>	<i>%REC</i>	<i>1</i>	<i>29-Aug-2023 18:04</i>

Note: See Qualifiers Page for a list of qualifiers and their explanation.



**Client:** Aptim Environmental & Infrastructure  
**Project:** Williams FAR CMS  
**WorkOrder:** HS23081636

**DATES REPORT**

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
<b>Batch ID:</b> R445109 ( 0 )		<b>Test Name :</b> LOW LEVEL VOLATILES BY SW8260C			<b>Matrix:</b> Water	
HS23081636-01	Seep 2	24 Aug 2023 12:05			29 Aug 2023 17:43	1
HS23081636-02	Seep 3	24 Aug 2023 12:45			29 Aug 2023 18:04	1

**Client:** Aptim Environmental & Infrastructure  
**Project:** Williams FAR CMS  
**WorkOrder:** HS23081636

**QC BATCH REPORT**

Batch ID: R445109 ( 0 )		Instrument: VOA10		Method: LOW LEVEL VOLATILES BY SW8260C					
<b>MBLK</b>	Sample ID: VBLKW-230829	Units: ug/L		Analysis Date: 29-Aug-2023 11:05					
Client ID:	Run ID: VOA10_445109		SeqNo: 7516124		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
1,1,1-Trichloroethane	U	1.0							
1,1-Dichloroethane	U	1.0							
1,1-Dichloroethene	U	1.0							
Acetone	U	2.0							
Benzene	U	1.0							
Carbon disulfide	U	2.0							
Chlorobenzene	U	1.0							
Ethylbenzene	U	1.0							
m,p-Xylene	U	2.0							
Methyl tert-butyl ether	U	1.0							
Methylene chloride	U	2.0							
o-Xylene	U	1.0							
Tetrachloroethene	U	1.0							
Toluene	U	1.0							
Vinyl chloride	U	1.0							
Xylenes, Total	U	3.0							
Surr: 1,2-Dichloroethane-d4	55.1	1.0	50	0	110	70 - 123			
Surr: 4-Bromofluorobenzene	51.69	1.0	50	0	103	77 - 113			
Surr: Dibromofluoromethane	54.29	1.0	50	0	109	73 - 126			
Surr: Toluene-d8	47.64	1.0	50	0	95.3	81 - 120			

**Client:** Aptim Environmental & Infrastructure  
**Project:** Williams FAR CMS  
**WorkOrder:** HS23081636

**QC BATCH REPORT**

Batch ID: R445109 ( 0 )		Instrument: VOA10		Method: LOW LEVEL VOLATILES BY SW8260C						
<b>LCS</b>		Sample ID: <b>VLCSW-230829</b>		Units: <b>ug/L</b>		Analysis Date: <b>29-Aug-2023 10:23</b>				
Client ID:		Run ID: <b>VOA10_445109</b>		SeqNo: <b>7516123</b>		PrepDate:		DF: <b>1</b>		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
1,1,1-Trichloroethane	22.55	1.0	20	0	113	70 - 130				
1,1-Dichloroethane	22.2	1.0	20	0	111	71 - 122				
1,1-Dichloroethene	21.31	1.0	20	0	107	70 - 130				
Acetone	49.16	2.0	40	0	123	70 - 130				
Benzene	21.83	1.0	20	0	109	74 - 120				
Carbon disulfide	42.6	2.0	40	0	107	70 - 130				
Chlorobenzene	20.87	1.0	20	0	104	76 - 113				
Ethylbenzene	20.09	1.0	20	0	100	77 - 117				
m,p-Xylene	40.15	2.0	40	0	100	77 - 122				
Methyl tert-butyl ether	21.55	1.0	20	0	108	70 - 130				
Methylene chloride	22.72	2.0	20	0	114	70 - 127				
o-Xylene	20.35	1.0	20	0	102	75 - 119				
Tetrachloroethene	19.48	1.0	20	0	97.4	76 - 119				
Toluene	20.54	1.0	20	0	103	77 - 118				
Vinyl chloride	22.15	1.0	20	0	111	70 - 130				
Xylenes, Total	60.5	3.0	60	0	101	75 - 122				
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>53.13</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>106</i>	<i>70 - 123</i>				
<i>Surr: 4-Bromofluorobenzene</i>	<i>51.98</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>104</i>	<i>77 - 113</i>				
<i>Surr: Dibromofluoromethane</i>	<i>50.7</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>101</i>	<i>73 - 126</i>				
<i>Surr: Toluene-d8</i>	<i>48.3</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>96.6</i>	<i>81 - 120</i>				

**Client:** Aptim Environmental & Infrastructure  
**Project:** Williams FAR CMS  
**WorkOrder:** HS23081636

**QC BATCH REPORT**

Batch ID: R445109 ( 0 )		Instrument: VOA10		Method: LOW LEVEL VOLATILES BY SW8260C					
<b>MS</b>		Sample ID: HS23081229-02MS		Units: ug/L		Analysis Date: 29-Aug-2023 12:29			
Client ID:		Run ID: VOA10_445109		SeqNo: 7516128		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
1,1,1-Trichloroethane	20.91	1.0	20	0	105	70 - 130			
1,1-Dichloroethane	20.46	1.0	20	0	102	70 - 127			
1,1-Dichloroethene	19.93	1.0	20	0	99.7	70 - 130			
Acetone	41.04	2.0	40	0	103	70 - 130			
Benzene	19.35	1.0	20	0	96.7	70 - 127			
Carbon disulfide	41.12	2.0	40	0	103	70 - 130			
Chlorobenzene	19.01	1.0	20	0	95.0	70 - 114			
Ethylbenzene	18.65	1.0	20	0	93.3	70 - 124			
m,p-Xylene	35.8	2.0	40	0	89.5	70 - 130			
Methyl tert-butyl ether	18.63	1.0	20	0	93.2	70 - 130			
Methylene chloride	20.25	2.0	20	0	101	70 - 128			
o-Xylene	17.94	1.0	20	0	89.7	70 - 124			
Tetrachloroethene	17.27	1.0	20	0	86.3	70 - 130			
Toluene	18.03	1.0	20	0	90.1	70 - 123			
Vinyl chloride	21.27	1.0	20	0	106	70 - 130			
Xylenes, Total	53.74	3.0	60	0	89.6	70 - 130			
Surr: 1,2-Dichloroethane-d4	53.7	1.0	50	0	107	70 - 126			
Surr: 4-Bromofluorobenzene	51.25	1.0	50	0	103	77 - 113			
Surr: Dibromofluoromethane	53.56	1.0	50	0	107	77 - 123			
Surr: Toluene-d8	48.27	1.0	50	0	96.5	82 - 127			

**Client:** Aptim Environmental & Infrastructure  
**Project:** Williams FAR CMS  
**WorkOrder:** HS23081636

**QC BATCH REPORT**

Batch ID: R445109 ( 0 )		Instrument: VOA10		Method: LOW LEVEL VOLATILES BY SW8260C					
<b>MSD</b>		Sample ID: HS23081229-02MSD		Units: ug/L		Analysis Date: 29-Aug-2023 12:50			
Client ID:		Run ID: VOA10_445109		SeqNo: 7516129		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
1,1,1-Trichloroethane	19.95	1.0	20	0	99.8	70 - 130	20.91	4.7	20
1,1-Dichloroethane	19.43	1.0	20	0	97.2	70 - 127	20.46	5.15	20
1,1-Dichloroethene	20.25	1.0	20	0	101	70 - 130	19.93	1.57	20
Acetone	41.78	2.0	40	0	104	70 - 130	41.04	1.8	20
Benzene	18.24	1.0	20	0	91.2	70 - 127	19.35	5.89	20
Carbon disulfide	39.77	2.0	40	0	99.4	70 - 130	41.12	3.35	20
Chlorobenzene	18.85	1.0	20	0	94.2	70 - 114	19.01	0.852	20
Ethylbenzene	18.62	1.0	20	0	93.1	70 - 124	18.65	0.178	20
m,p-Xylene	35.75	2.0	40	0	89.4	70 - 130	35.8	0.141	20
Methyl tert-butyl ether	18.66	1.0	20	0	93.3	70 - 130	18.63	0.158	20
Methylene chloride	20.92	2.0	20	0	105	70 - 128	20.25	3.28	20
o-Xylene	17.43	1.0	20	0	87.2	70 - 124	17.94	2.86	20
Tetrachloroethene	18.01	1.0	20	0	90.0	70 - 130	17.27	4.21	20
Toluene	18.1	1.0	20	0	90.5	70 - 123	18.03	0.418	20
Vinyl chloride	19.95	1.0	20	0	99.7	70 - 130	21.27	6.41	20
Xylenes, Total	53.18	3.0	60	0	88.6	70 - 130	53.74	1.04	20
Surr: 1,2-Dichloroethane-d4	55.13	1.0	50	0	110	70 - 126	53.7	2.62	20
Surr: 4-Bromofluorobenzene	52.57	1.0	50	0	105	77 - 113	51.25	2.55	20
Surr: Dibromofluoromethane	51.97	1.0	50	0	104	77 - 123	53.56	3	20
Surr: Toluene-d8	49.3	1.0	50	0	98.6	82 - 127	48.27	2.11	20

The following samples were analyzed in this batch: HS23081636-01 HS23081636-02

**Client:** Aptim Environmental & Infrastructure  
**Project:** Williams FAR CMS  
**WorkOrder:** HS23081636

**QUALIFIERS,  
ACRONYMS, UNITS**

<b>Qualifier</b>	<b>Description</b>
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
M	Manually integrated, see raw data for justification
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL/SDL

<b>Acronym</b>	<b>Description</b>
DCS	Detectability Check Study
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution
SDL	Sample Detection Limit
TRRP	Texas Risk Reduction Program

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**CERTIFICATIONS,ACCREDITATIONS & LICENSES**

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Agency	Number	Expire Date
Arkansas	88-00356	27-Mar-2024
California	2919; 2024	30-Apr-2024
Dept of Defense	L23-358	31-May-2025
Florida	E87611-38	30-Jun-2024
Illinois	2000322023-11	30-Jun-2024
Kansas	E-10352 2023-2024	31-Jul-2024
Louisiana	03087 2023-2024	30-Jun-2024
Maryland	343; 2023-2024	30-Jun-2024
North Carolina	624-2023	31-Dec-2023
North Dakota	R-193 2023-2024	30-Apr-2024
Oklahoma	2022-141	31-Aug-2023
Texas	T104704231-23-31	30-Apr-2024
Utah	TX026932023-14	31-Jul-2024

## Sample Receipt Checklist

Work Order ID: HS23081636

Date/Time Received: 25-Aug-2023 09:50

Client Name: CBI-Wichita

Received by: Corey Grandits

Completed By: /S/ Belinda Gomez	25-Aug-2023 15:50	Reviewed by: /S/ James Guin	29-Aug-2023 08:57
eSignature	Date/Time	eSignature	Date/Time

Matrices: WCarrier name: FedEx

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on shipping container/cooler?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>
Custody seals intact on sample bottles?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
VOA/TX1005/TX1006 Solids in hermetically sealed vials?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	1 Page(s)
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Samplers name present on COC?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	

Temperature(s)/Thermometer(s):

4.4uc/4.3.c |ir31

Cooler(s)/Kit(s):

sm blue

Date/Time sample(s) sent to storage:

8/25/23 1550

Water - VOA vials have zero headspace?

Yes ☒ No ☐ No VOA vials submitted ☐

Water - pH acceptable upon receipt?

Yes ☐ No ☐ N/A ☒

pH adjusted?

Yes ☐ No ☐ N/A ☒

pH adjusted by:

Login Notes: Trip Blank received, not listed on COC and was placed on hold.

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

Corrective Action:




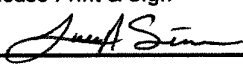
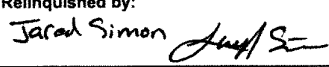
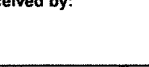
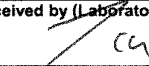


☒ ALS Environmental  
10450 Stancliff Rd. #210  
Houston, Texas 77099  
(Tel) 281.530.5656  
(Fax) 281.530.5887

## Chain of Custody Form

Page 1 of 1

☐ ALS Environmental  
3352 128th Avenue  
Holland, Michigan 49424  
(Tel) 616.399.6070  
(Fax) 616.399.6185

Customer Information			Project Information				Parameter/Method Request for Analysis													
Purchase Order	220459 OS	Project Name	Williams FAR CMS				A	8260 VOC (3xVOA HCl)												
Work Order		Project Number	631011702.126				B	<div>HS23081636</div> <div>Aptim Environmental &amp; Infrastructure Williams FAR CMS</div> 												
Company Name	Aptim	Bill To Company	Aptim				C													
Send Report To	Phil Osborn	Invoice Attn.	Accountspayable@aptim.com				D													
Address	2872 N Ridge Rd	Address	2872 N Ridge Rd				E													
	Suite 102		Suite 102				F													
City/State/Zip	Wichita, KS 67205	City/State/Zip	Wichita, KS 67205				G													
Phone	316-220-8025	Phone	316-220-8025				H													
Fax		Fax					I													
e-Mail Address	phil.osborn@aptim.com						J													
No.	Sample Description	Date	Time	Matrix	Pres. Key Numbers	# Bottles	A	B	C	D	E	F	G	H	I	J	Held			
1	Seep 2	8/24/2023	1205	GW	1,8	3	X													
2	Seep 3	8/24/2023	1245	GW	1,8	3	X													
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
Sampler(s): Please Print & Sign			Shipment Method:		Required Turnaround Time: (Check Box)				<input checked="" type="checkbox"/> Other				Results Due Date:							
Jared Simon 			FedEx		<input type="checkbox"/> 10 Wk Days <input checked="" type="checkbox"/> 5 Wk Days <input type="checkbox"/> 3 Wk Days <input type="checkbox"/> 2 Wk Days <input type="checkbox"/> 24 Hour															
Relinquished by:		Date:	Time:	Received by:		Date:	Time:	Notes:												
Jared Simon 		8/24/23	1730			8-25-23	0946	Williams FAR CMS KDHE												
Relinquished by:		Date:	Time:	Received by (Laboratory):		Date:	Time:	QC Package: (Check Box Below)												
								ALS Cooler ID		Cooler Temp		<input type="checkbox"/> Level II: Standard QC <input type="checkbox"/> Level III: Raw Data								
								BLACH		4.4		<input type="checkbox"/> TRRP LRC <input type="checkbox"/> TRRP Level IV								
Logged by (Laboratory):		Date:	Time:	Checked by (Laboratory):		<input type="checkbox"/> Level IV: SW846 Methods/CLP like														
						<input type="checkbox"/> Other:														
Preservative Key: 1-HCl 2-HNO <sub>3</sub> 3-H <sub>2</sub> SO <sub>4</sub> 4-NaOH 5-Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> 6-NaHSO <sub>4</sub> 7-Other 8-4°C																				

Note: Any changes must be made in writing once samples and COC Form have been submitted to ALS.

STATIONER  
JARED SIMON  
APTIM  
2872 N RIDGE  
SUITE 102B  
WICHITA, KS 67205  
UNITED STATES US

(310) 220-0000

SHIP DATE: 27AUG02  
ACTWGT: 11.00 LB  
CAD: 111883247/NET4640  
DIMS: 13x9x10 IN

BILL SENDER

TO **ALS**  
**ALS**  
**10450 STANCLIFF RD**  
**SUITE 210**  
**HOUSTON TX 77099**

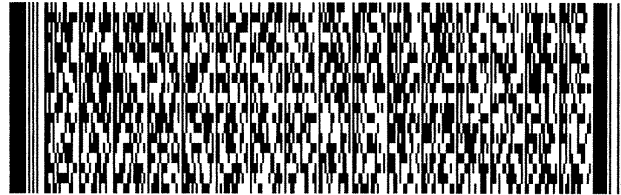
(281) 530-5656

REF: 631011702.5910.12666730

INV:

PO:

DEPT:



**FedEx**  
Express



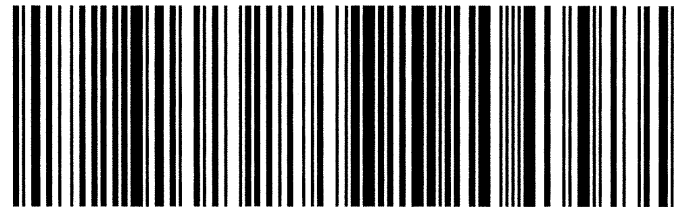
583J5/75849AE3

**FRI - 25 AUG 10:30A**  
**PRIORITY OVERNIGHT**

TRK# **7731 6292 7897**

**XA SGRA**

**77099**  
**TX-US IAH**



**After printing this label:**  
1. Use the 'Print' button on this page to print your label to your laser or inkjet printer.  
2. Fold the printed page along the horizontal line.

CUSTODY SEAL		Seal Broken By:
Date: <u>8/24/23</u>	Time: <u>1730</u>	Date:
Name: <u>Jared Simon</u>		
Company: <u>APTIM</u>		

