



11-Dec-2018

Jessica Dooling
XTO Energy
21459 CR5
Rifle, CO 81650

Re: **YCF 35-12-1**

Work Order: **1812059**

Dear Jessica,

ALS Environmental received 1 sample on 01-Dec-2018 11:15 AM for the analyses presented in the following report.

The analytical data provided relates directly to the samples received by ALS Environmental - Holland and for only the analyses requested.

Sample results are compliant with industry accepted practices and Quality Control results achieved laboratory specifications. Any exceptions are noted in the Case Narrative, or noted with qualifiers in the report or QC batch information. Should this laboratory report need to be reproduced, it should be reproduced in full unless written approval has been obtained from ALS Environmental. Samples will be disposed in 30 days unless storage arrangements are made.

The total number of pages in this report is 24.

If you have any questions regarding this report, please feel free to contact me:

ADDRESS: 3352 128th Avenue, Holland, MI, USA
PHONE: +1 (616) 399-6070 FAX: +1 (616) 399-6185

Sincerely,

A handwritten signature in black ink, appearing to read "Chad Whelton".

Electronically approved by: Chad Whelton

Chad Whelton
Project Manager

Report of Laboratory Analysis

Certificate No: MN 998501

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RIGHT SOLUTIONS RIGHT PARTNER

Client: XTO Energy
Project: YCF 35-12-1
Work Order: 1812059

Work Order Sample Summary

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
1812059-01	910 Confirmation	Soil		11/30/2018 10:36	12/1/2018 11:15	<input type="checkbox"/>

Client: XTO Energy
Project: YCF 35-12-1
Work Order: 1812059

Case Narrative

Batch 128824, Method DRO_8015_S, Sample 1812059-01B MSD: The MSD recovery was below the lower control limit for DRO. However, the MS recovery and the RPD between the MS and MSD were within control limits. No qualification is required.

Batch 129237, Method CR6_7196_S, Sample LCS-129237: The LCS recovery was above the upper control limit for Hexavalent Chromium. The sample results for this batch may be biased high.

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
**	Estimated Value
a	Analyte is non-accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
Hr	BOD/CBOD - Sample was reset outside Hold Time, value should be considered estimated.
J	Analyte is present at an estimated concentration between the MDL and Report Limit
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
X	Analyte was detected in the Method Blank between the MDL and Reporting Limit, sample results may exhibit background or reagent contamination at the observed level.

<u>Acronym</u>	<u>Description</u>
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LOD	Limit of Detection (see MDL)
LOQ	Limit of Quantitation (see PQL)
MBLK	Method Blank
MDL	Method Detection Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PQL	Practical Quantitation Limit
RPD	Relative Percent Difference
TDL	Target Detection Limit
TNTC	Too Numerous To Count
A	APHA Standard Methods
D	ASTM
E	EPA
SW	SW-846 Update III

<u>Units Reported</u>	<u>Description</u>
% of sample	Percent of Sample
µg/Kg-dry	Micrograms per Kilogram Dry Weight
mg/Kg	Milligrams per Kilogram
mg/Kg-dry	Milligrams per Kilogram Dry Weight
mg/L	Milligrams per Liter
mmhos/cm @25°C	Millimhos-Centimeter at 25 Degrees Celcius
none	

s.u. Standard Units

ALS Group, USA

Date: 11-Dec-18

Client: XTO Energy
Project: YCF 35-12-1
Sample ID: 910 Confirmation
Collection Date: 11/30/2018 10:36 AM

Work Order: 1812059
Lab ID: 1812059-01
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID							
			Method: SW8015M		Prep: SW3546 / 12/5/18		Analyst: RP
DRO (C10-C28)	U		3.4	5.9	mg/Kg-dry	1	12/6/2018 07:18
Surr: 4-Terphenyl-d14	70.6			33-111	%REC	1	12/6/2018 07:18
GASOLINE RANGE ORGANICS BY GC-FID							
			Method: SW8015D		Prep: SW5035 / 12/4/18		Analyst: RP
GRO (C6-C10)	U		2.9	7.0	mg/Kg	1	12/7/2018 07:24
Surr: Toluene-d8	91.3			71-123	%REC	1	12/7/2018 07:24
MERCURY BY CVAA							
			Method: SW7471B		Prep: SW7471 / 12/7/18		Analyst: RSB
Mercury	0.023		0.0020	0.020	mg/Kg-dry	1	12/7/2018 18:51
METALS ANALYSIS BY ICP							
			Method: SW846 6010C		Prep: SW3050B / 12/4/18		Analyst: ABL
Arsenic	33		0.12	0.46	mg/Kg-dry	1	12/5/2018 18:03
Barium	350		0.18	0.46	mg/Kg-dry	1	12/5/2018 18:03
Cadmium	0.45	J	0.044	0.92	mg/Kg-dry	1	12/5/2018 18:03
Chromium	56		0.026	0.46	mg/Kg-dry	1	12/5/2018 18:03
Copper	26		0.20	0.92	mg/Kg-dry	1	12/5/2018 18:03
Lead	17		0.097	0.46	mg/Kg-dry	1	12/5/2018 18:03
Nickel	18		0.18	0.46	mg/Kg-dry	1	12/5/2018 18:03
Selenium	0.98		0.26	0.92	mg/Kg-dry	1	12/5/2018 18:03
Silver	U		0.057	0.46	mg/Kg-dry	1	12/5/2018 18:03
Zinc	50		0.073	0.92	mg/Kg-dry	1	12/5/2018 18:03
SOLUBLE CATIONS FOR SAR							
			Method: SW6020A		Prep: USDA Method 20B / 12/5/18		Analyst: STP
Calcium	11		0.86	5.0	mg/L	10	12/5/2018 13:24
Magnesium	5.4		0.068	2.0	mg/L	10	12/5/2018 13:24
Sodium	310		0.34	2.0	mg/L	10	12/5/2018 13:24
SODIUM ADSORPTION RATIO							
			Method: USDA H60 METHOD 2		Prep: USDA Method 20B / 12/5/18		Analyst: STP
Sodium Adsorption Ratio	19		0.010	0.010	none	1	12/5/2018
SEMI-VOLATILE ORGANIC COMPOUNDS							
			Method: SW846 8270D		Prep: SW3546 / 12/5/18		Analyst: KAW
Acenaphthene	U		5.7	7.9	µg/Kg-dry	1	12/5/2018 18:40
Anthracene	U		5.6	7.9	µg/Kg-dry	1	12/5/2018 18:40
Benzo(a)anthracene	U		6.8	7.9	µg/Kg-dry	1	12/5/2018 18:40
Benzo(a)pyrene	U		4.8	7.9	µg/Kg-dry	1	12/5/2018 18:40
Benzo(b)fluoranthene	U		5.9	7.9	µg/Kg-dry	1	12/5/2018 18:40
Benzo(k)fluoranthene	U		6.0	7.9	µg/Kg-dry	1	12/5/2018 18:40
Chrysene	U		6.4	7.9	µg/Kg-dry	1	12/5/2018 18:40
Dibenzo(a,h)anthracene	U		4.3	7.9	µg/Kg-dry	1	12/5/2018 18:40
Fluoranthene	U		3.8	7.9	µg/Kg-dry	1	12/5/2018 18:40

Note: See Qualifiers page for a list of qualifiers and their definitions.

ALS Group, USA

Date: 11-Dec-18

Client: XTO Energy
Project: YCF 35-12-1
Sample ID: 910 Confirmation
Collection Date: 11/30/2018 10:36 AM

Work Order: 1812059
Lab ID: 1812059-01
Matrix: SOIL

Analyses	Result	Qual	MDL	Report Limit	Units	Dilution Factor	Date Analyzed
Fluorene	U		5.7	7.9	µg/Kg-dry	1	12/5/2018 18:40
Indeno(1,2,3-cd)pyrene	U		5.5	7.9	µg/Kg-dry	1	12/5/2018 18:40
Naphthalene	U		5.0	7.9	µg/Kg-dry	1	12/5/2018 18:40
Pyrene	U		1.4	7.9	µg/Kg-dry	1	12/5/2018 18:40
Surr: 2-Fluorobiphenyl	59.3			44-107	%REC	1	12/5/2018 18:40
Surr: 4-Terphenyl-d14	72.1			52-123	%REC	1	12/5/2018 18:40
Surr: Nitrobenzene-d5	51.5			41-94	%REC	1	12/5/2018 18:40
VOLATILE ORGANIC COMPOUNDS			Method: SW8260C		Prep: SW5035 / 12/4/18		Analyst: EMR
Benzene	U		0.0072	0.042	mg/Kg	1	12/4/2018 19:05
Ethylbenzene	U		0.0089	0.042	mg/Kg	1	12/4/2018 19:05
m,p-Xylene	U		0.020	0.085	mg/Kg	1	12/4/2018 19:05
o-Xylene	U		0.016	0.042	mg/Kg	1	12/4/2018 19:05
Toluene	U		0.012	0.042	mg/Kg	1	12/4/2018 19:05
Xylenes, Total	U		0.036	0.13	mg/Kg	1	12/4/2018 19:05
Surr: 1,2-Dichloroethane-d4	102			70-130	%REC	1	12/4/2018 19:05
Surr: 4-Bromofluorobenzene	90.9			70-130	%REC	1	12/4/2018 19:05
Surr: Dibromofluoromethane	86.4			70-130	%REC	1	12/4/2018 19:05
Surr: Toluene-d8	97.0			70-130	%REC	1	12/4/2018 19:05
ELECTRICAL CONDUCTIVITY (SAR)			Method: USDA H60 METHOD 2		Prep: USDA Method 20B / 12/5/18		Analyst: JEB
Electrical Conductivity @ Saturation	0.075		0.00055	0.0050	mmhos/cm @25°	1	12/7/2018 15:30
CHROMIUM, TRIVALENT			Method: CALCULATION				Analyst: JB
Chromium, Trivalent	56		0.37	1.2	mg/Kg-dry	1	12/11/2018 16:00
CHROMIUM, HEXAVALENT			Method: SW7196A		Prep: SW3060A / 12/7/18		Analyst: JEB
Chromium, Hexavalent	U		0.37	1.2	mg/Kg-dry	1	12/11/2018 08:50
MOISTURE			Method: SW3550C				Analyst: KTP
Moisture	17		0.10	0.10	% of sample	1	12/4/2018 16:47
PH			Method: SW9045D		Prep: EXTRACT / 12/7/18		Analyst: RZM
pH	9.68		0.10	0.100	s.u.	1	12/7/2018 11:10
Temperature	21.9		0.10	0.100	C	1	12/7/2018 11:10

Note: See Qualifiers page for a list of qualifiers and their definitions.

Client: XTO Energy
 Work Order: 1812059
 Project: YCF 35-12-1

QC BATCH REPORT

Batch ID: **128824** Instrument ID **GC8** Method: **SW8015M**

MBLK		Sample ID: DBLKS1-128824-128824				Units: mg/Kg		Analysis Date: 12/6/2018 05:21 AM		
Client ID:		Run ID: GC8_181205C				SeqNo: 5422467		Prep Date: 12/5/2018		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

DRO (C10-C28) U 5.0
 Surr: 4-Terphenyl-d14 2.483 0 3.33 0 74.6 33-111 0

LCS		Sample ID: DLCSS1-128824-128824				Units: mg/Kg		Analysis Date: 12/6/2018 05:51 AM		
Client ID:		Run ID: GC8_181205C				SeqNo: 5422468		Prep Date: 12/5/2018		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

DRO (C10-C28) 201.7 5.0 333 0 60.6 58-111 0
 Surr: 4-Terphenyl-d14 2.875 0 3.33 0 86.3 33-111 0

MS		Sample ID: 1812059-01B MS				Units: mg/Kg		Analysis Date: 12/6/2018 06:20 AM		
Client ID: 910 Confirmation		Run ID: GC8_181205C				SeqNo: 5422469		Prep Date: 12/5/2018		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

DRO (C10-C28) 190.5 4.9 325.2 0 58.6 58-111 0
 Surr: 4-Terphenyl-d14 2.154 0 3.252 0 66.2 33-111 0

MSD		Sample ID: 1812059-01B MSD				Units: mg/Kg		Analysis Date: 12/6/2018 06:49 AM		
Client ID: 910 Confirmation		Run ID: GC8_181205C				SeqNo: 5422470		Prep Date: 12/5/2018		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

DRO (C10-C28) 183.6 4.8 320.8 0 57.2 58-111 190.5 3.68 30 S
 Surr: 4-Terphenyl-d14 2.557 0 3.208 0 79.7 33-111 2.154 17.1 30

The following samples were analyzed in this batch: 1812059-01B

Client: XTO Energy
 Work Order: 1812059
 Project: YCF 35-12-1

QC BATCH REPORT

Batch ID: **128834** Instrument ID **GC9** Method: **PUBL-SW-140**

MBLK		Sample ID: MBLK-128834-128834				Units: µg/Kg-dry		Analysis Date: 12/6/2018 02:37 AM		
Client ID:		Run ID: GC9_181205A				SeqNo: 5421308		Prep Date: 12/4/2018		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

GRO (C6-C10) U 2,500

MBLK		Sample ID: MBLK-128834-128834				Units: µg/Kg-dry		Analysis Date: 12/6/2018 02:58 PM		
Client ID:		Run ID: GC9_181206A				SeqNo: 5424783		Prep Date: 12/4/2018		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

GRO (C6-C10) U 5,000

Surr: Toluene-d8 4395 0 5000 0 87.9 71-123 0

LCS		Sample ID: LCS-128834-128834				Units: µg/Kg-dry		Analysis Date: 12/6/2018 01:39 AM		
Client ID:		Run ID: GC9_181205A				SeqNo: 5421307		Prep Date: 12/4/2018		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

GRO (C6-C10) 9564 2,500 10000 0 95.6 80-120 0

LCS		Sample ID: LCS-128834-128834				Units: µg/Kg-dry		Analysis Date: 12/6/2018 12:33 PM		
Client ID:		Run ID: GC9_181206A				SeqNo: 5424779		Prep Date: 12/4/2018		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

GRO (C6-C10) 255400 5,000 250000 0 102 71-123 0

Surr: Toluene-d8 5040 0 5000 0 101 71-123 0

LCSD		Sample ID: LCSD-128834-128834				Units: µg/Kg-dry		Analysis Date: 12/6/2018 06:00 AM		
Client ID:		Run ID: GC9_181205A				SeqNo: 5421332		Prep Date: 12/4/2018		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

GRO (C6-C10) 11190 2,500 10000 0 112 80-120 9564 15.7 20

MS		Sample ID: 1812059-01B MS				Units: µg/Kg-dry		Analysis Date: 12/7/2018 09:20 AM		
Client ID: 910 Confirmation		Run ID: GC9_181206A				SeqNo: 5424815		Prep Date: 12/4/2018		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

GRO (C6-C10) 722900 7,000 704800 0 103 71-123 0

Surr: Toluene-d8 7019 0 7048 0 99.6 71-123 0

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

Client: XTO Energy
Work Order: 1812059
Project: YCF 35-12-1

QC BATCH REPORT

Batch ID: **128834** Instrument ID **GC9** Method: **PUBL-SW-140**

MSD		Sample ID: 1812059-01B MSD				Units: µg/Kg-dry		Analysis Date: 12/7/2018 09:48 AM		
Client ID: 910 Confirmation		Run ID: GC9_181206A				SeqNo: 5424816		Prep Date: 12/4/2018		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
GRO (C6-C10)	734600	7,000	704800	0	104	71-123	722900	1.6	30	
<i>Surr: Toluene-d8</i>	<i>7535</i>	<i>0</i>	<i>7048</i>	<i>0</i>	<i>107</i>	<i>71-123</i>	<i>7019</i>	<i>7.08</i>	<i>30</i>	

The following samples were analyzed in this batch:

1812059-01B

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

Client: XTO Energy
Work Order: 1812059
Project: YCF 35-12-1

QC BATCH REPORT

Batch ID: 129110 Instrument ID HG4 Method: SW7471B

MBLK		Sample ID: MBLK-129110-129110				Units: mg/Kg		Analysis Date: 12/7/2018 06:39 PM		
Client ID:		Run ID: HG4_181207A				SeqNo: 5427025		Prep Date: 12/7/2018		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.00225	0.020								J

LCS		Sample ID: LCS-129110-129110				Units: mg/Kg		Analysis Date: 12/7/2018 06:41 PM		
Client ID:		Run ID: HG4_181207A				SeqNo: 5427026		Prep Date: 12/7/2018		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1686	0.020	0.1665	0	101	80-120	0			

MS		Sample ID: 1812083-07C MS				Units: mg/Kg		Analysis Date: 12/7/2018 07:39 PM		
Client ID:		Run ID: HG4_181207A				SeqNo: 5427054		Prep Date: 12/7/2018		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1654	0.019	0.1568	0.01909	93.3	75-125	0			

MSD		Sample ID: 1812083-07C MSD				Units: mg/Kg		Analysis Date: 12/7/2018 07:41 PM		
Client ID:		Run ID: HG4_181207A				SeqNo: 5427055		Prep Date: 12/7/2018		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Mercury	0.1552	0.019	0.1583	0.01909	85.9	75-125	0.1654	6.39	35	

The following samples were analyzed in this batch:

1812059-01B

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

Client: XTO Energy
 Work Order: 1812059
 Project: YCF 35-12-1

QC BATCH REPORT

Batch ID: 128839 Instrument ID ICP2 Method: SW846 6010C

MBLK				Sample ID: MBLK-128839-128839				Units: mg/Kg		Analysis Date: 12/5/2018 11:58 AM	
Client ID:			Run ID: ICP2_181205A			SeqNo: 5419449		Prep Date: 12/4/2018		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	U	0.25									
Barium	U	0.25									
Cadmium	U	0.50									
Chromium	0.02889	0.25								J	
Copper	0.1194	0.50								J	
Lead	U	0.25									
Nickel	U	0.25									
Selenium	U	0.50									
Silver	0.04366	0.25								J	
Zinc	0.0669	0.50								J	

LCS				Sample ID: LCS-128839-128839				Units: mg/Kg			Analysis Date: 12/5/2018 12:04 PM			
Client ID:				Run ID: ICP2_181205A				SeqNo: 5419451			Prep Date: 12/4/2018		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual				
Arsenic	4.812	0.24	4.771	0	101	80-120	0							
Barium	5.319	0.24	4.771	0	111	80-120	0							
Cadmium	5.048	0.48	4.771	0	106	80-120	0							
Chromium	5.431	0.24	4.771	0	114	80-120	0							
Copper	5.367	0.48	4.771	0	112	80-120	0							
Lead	5.178	0.24	4.771	0	109	80-120	0							
Nickel	5.152	0.24	4.771	0	108	80-120	0							
Selenium	4.812	0.48	4.771	0	101	80-120	0							
Silver	5.027	0.24	4.771	0	105	80-120	0							
Zinc	5.099	0.48	4.771	0	107	80-120	0							

MS				Sample ID: 1812050-01AMS			Units: mg/Kg		Analysis Date: 12/5/2018 12:17 PM		
Client ID:			Run ID: ICP2_181205A			SeqNo: 5419456		Prep Date: 12/4/2018		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Arsenic	27.32	0.35	6.954	20.84	93.3	75-125	0				
Barium	730.3	0.35	6.954	697	478	75-125	0			SO	
Cadmium	38.38	0.70	6.954	50.98	-181	75-125	0			SO	
Chromium	99.25	0.35	6.954	91.61	110	75-125	0			O	
Copper	646	0.70	6.954	628.5	253	75-125	0			SO	
Lead	1381	0.35	6.954	1408	-386	75-125	0			SO	
Nickel	191.2	0.35	6.954	209.2	-259	75-125	0			SO	
Selenium	8.926	0.70	6.954	2.024	99.2	75-125	0				
Silver	8.935	0.35	6.954	0.8798	116	75-125	0				
Zinc	2564	0.70	6.954	2582	-262	75-125	0			SEO	

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

Client: XTO Energy
Work Order: 1812059
Project: YCF 35-12-1

QC BATCH REPORT

Batch ID: **128839** Instrument ID **ICP2** Method: **SW846 6010C**

MSD		Sample ID: 1812050-01AMSD				Units: mg/Kg		Analysis Date: 12/5/2018 12:24 PM		
Client ID:		Run ID: ICP2_181205A				SeqNo: 5419458		Prep Date: 12/4/2018		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Arsenic	28.38	0.33	6.693	20.84	113	75-125	27.32	3.79	20	
Barium	791.1	0.33	6.693	697	1410	75-125	730.3	8	20	SO
Cadmium	42.12	0.67	6.693	50.98	-132	75-125	38.38	9.29	20	SO
Chromium	270	0.33	6.693	91.61	2670	75-125	99.25	92.5	20	SRO
Copper	656.4	0.67	6.693	628.5	418	75-125	646	1.59	20	SO
Lead	1230	0.33	6.693	1408	-2660	75-125	1381	11.6	20	SO
Nickel	222.6	0.33	6.693	209.2	200	75-125	191.2	15.2	20	SO
Selenium	8.973	0.67	6.693	2.024	104	75-125	8.926	0.533	20	
Silver	8.66	0.33	6.693	0.8798	116	75-125	8.935	3.13	20	
Zinc	2403	0.67	6.693	2582	-2690	75-125	2564	6.51	20	SEO

The following samples were analyzed in this batch: 1812059-01B

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

Client: XTO Energy
Work Order: 1812059
Project: YCF 35-12-1

QC BATCH REPORT

Batch ID: **128912** Instrument ID **ICPMS3** Method: **SW6020A**

DUP		Sample ID: 1812059-01A-DUP				Units: mg/L		Analysis Date: 12/5/2018 01:25 PM		
Client ID: 910 Confirmation		Run ID: ICPMS3_181205A				SeqNo: 5419283		Prep Date: 12/5/2018		DF: 10
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	13.39	5.0	0	0	0	0-0	10.94	20.1		
Magnesium	7.295	2.0	0	0	0	0-0	5.414	29.6		
Sodium	389.5	2.0	0	0	0	0-0	313.8	21.5		

The following samples were analyzed in this batch:

1812059-01A

Batch ID: **128912** Instrument ID **SAR** Method: **USDA H60 Metho**

DUP		Sample ID: 1812059-01A-DUP				Units: none		Analysis Date: 12/5/2018		
Client ID: 910 Confirmation		Run ID: SAR_181205A				SeqNo: 5419377		Prep Date: 12/5/2018		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Sodium Adsorption Ratio	21.28	0.010	0	0	0		19.39	9.28	50	

The following samples were analyzed in this batch:

1812059-01A

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

Client: XTO Energy
 Work Order: 1812059
 Project: YCF 35-12-1

QC BATCH REPORT

Batch ID: 128823 Instrument ID SVMS5 Method: SW846 8270D

MBLK		Sample ID: SBLKS1-128823-128823				Units: µg/Kg		Analysis Date: 12/5/2018 02:10 PM		
Client ID:		Run ID: SVMS5_181205A				SeqNo: 5420796		Prep Date: 12/5/2018		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	U	6.7								
Anthracene	U	6.7								
Benzo(a)anthracene	U	6.7								
Benzo(a)pyrene	U	6.7								
Benzo(b)fluoranthene	U	6.7								
Benzo(k)fluoranthene	U	6.7								
Chrysene	U	6.7								
Dibenzo(a,h)anthracene	U	6.7								
Fluoranthene	U	6.7								
Fluorene	U	6.7								
Indeno(1,2,3-cd)pyrene	U	6.7								
Naphthalene	U	6.7								
Pyrene	U	6.7								
Surr: 2-Fluorobiphenyl	2345	0	3333	0	70.4	44-107	0			
Surr: 4-Terphenyl-d14	2244	0	3333	0	67.3	52-123	0			
Surr: Nitrobenzene-d5	2042	0	3333	0	61.3	41-94	0			

LCS		Sample ID: SLCSS1-128823-128823				Units: µg/Kg		Analysis Date: 12/5/2018 02:33 PM		
Client ID:		Run ID: SVMS5_181205A				SeqNo: 5420797		Prep Date: 12/5/2018		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Acenaphthene	1071	6.7	1333	0	80.4	55-101	0			
Anthracene	1068	6.7	1333	0	80.1	67-105	0			
Benzo(a)anthracene	1170	6.7	1333	0	87.8	68-105	0			
Benzo(a)pyrene	1131	6.7	1333	0	84.9	68-110	0			
Benzo(b)fluoranthene	1132	6.7	1333	0	84.9	65-110	0			
Benzo(k)fluoranthene	1169	6.7	1333	0	87.7	66-113	0			
Chrysene	1117	6.7	1333	0	83.8	68-108	0			
Dibenzo(a,h)anthracene	1185	6.7	1333	0	88.9	62-119	0			
Fluoranthene	1113	6.7	1333	0	83.5	67-106	0			
Fluorene	1106	6.7	1333	0	83	59-107	0			
Indeno(1,2,3-cd)pyrene	1181	6.7	1333	0	88.6	56-120	0			
Naphthalene	856	6.7	1333	0	64.2	46-98	0			
Pyrene	1061	6.7	1333	0	79.6	60-119	0			
Surr: 2-Fluorobiphenyl	2417	0	3333	0	72.5	44-107	0			
Surr: 4-Terphenyl-d14	2618	0	3333	0	78.5	52-123	0			
Surr: Nitrobenzene-d5	2004	0	3333	0	60.1	41-94	0			

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

Client: XTO Energy
 Work Order: 1812059
 Project: YCF 35-12-1

QC BATCH REPORT

Batch ID: 128823 Instrument ID SVMS5 Method: SW846 8270D

MS				Sample ID: 18111861-11C MS				Units: µg/Kg		Analysis Date: 12/5/2018 03:33 PM	
Client ID:			Run ID: SVMS5_181205A			SeqNo: 5420798		Prep Date: 12/5/2018		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Acenaphthene	1054	6.6	1311	0	80.4	55-101	0				
Anthracene	1030	6.6	1311	0	78.6	67-105	0				
Benzo(a)anthracene	1108	6.6	1311	0	84.6	68-105	0				
Benzo(a)pyrene	1067	6.6	1311	0	81.4	68-110	0				
Benzo(b)fluoranthene	1030	6.6	1311	0	78.6	65-110	0				
Benzo(k)fluoranthene	1113	6.6	1311	0	84.9	66-113	0				
Chrysene	1052	6.6	1311	0	80.3	68-108	0				
Dibenzo(a,h)anthracene	1072	6.6	1311	0	81.8	62-119	0				
Fluoranthene	1061	6.6	1311	0	80.9	67-106	0				
Fluorene	1079	6.6	1311	0	82.3	59-107	0				
Indeno(1,2,3-cd)pyrene	1028	6.6	1311	0	78.4	56-120	0				
Naphthalene	914.4	6.6	1311	0	69.8	46-98	0				
Pyrene	1089	6.6	1311	0	83.1	60-119	0				
Surr: 2-Fluorobiphenyl	2373	0	3277	0	72.4	44-107	0				
Surr: 4-Terphenyl-d14	2573	0	3277	0	78.5	52-123	0				
Surr: Nitrobenzene-d5	2136	0	3277	0	65.2	41-94	0				

MSD				Sample ID: 18111861-11C MSD			Units: µg/Kg		Analysis Date: 12/5/2018 03:56 PM		
Client ID:			Run ID: SVMS5_181205A			SeqNo: 5420799		Prep Date: 12/5/2018		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Acenaphthene	962.3	6.4	1279	0	75.2	55-101	1054	9.1	30		
Anthracene	977.6	6.4	1279	0	76.4	67-105	1030	5.26	30		
Benzo(a)anthracene	1028	6.4	1279	0	80.3	68-105	1108	7.58	30		
Benzo(a)pyrene	1004	6.4	1279	0	78.5	68-110	1067	6.11	30		
Benzo(b)fluoranthene	1008	6.4	1279	0	78.8	65-110	1030	2.23	30		
Benzo(k)fluoranthene	1008	6.4	1279	0	78.8	66-113	1113	9.93	30		
Chrysene	989.8	6.4	1279	0	77.4	68-108	1052	6.1	30		
Dibenzo(a,h)anthracene	1017	6.4	1279	0	79.5	62-119	1072	5.34	30		
Fluoranthene	1018	6.4	1279	0	79.6	67-106	1061	4.1	30		
Fluorene	1020	6.4	1279	0	79.8	59-107	1079	5.57	30		
Indeno(1,2,3-cd)pyrene	1004	6.4	1279	0	78.5	56-120	1028	2.36	30		
Naphthalene	853.5	6.4	1279	0	66.7	46-98	914.4	6.89	30		
Pyrene	1023	6.4	1279	0	80	60-119	1089	6.22	30		
Surr: 2-Fluorobiphenyl	2210	0	3199	0	69.1	44-107	2373	7.11	40		
Surr: 4-Terphenyl-d14	2473	0	3199	0	77.3	52-123	2573	3.99	40		
Surr: Nitrobenzene-d5	2070	0	3199	0	64.7	41-94	2136	3.13	40		

The following samples were analyzed in this batch:

1812059-01B

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

Client: XTO Energy
 Work Order: 1812059
 Project: YCF 35-12-1

QC BATCH REPORT

Batch ID: 128833 Instrument ID VMS9 Method: SW8260C

MBLK Sample ID: MBLK-128833-128833				Units: µg/Kg-dry			Analysis Date: 12/4/2018 03:22 PM			
Client ID:		Run ID: VMS9_181204A		SeqNo: 5418809		Prep Date: 12/4/2018		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	U	30								
Ethylbenzene	U	30								
m,p-Xylene	21.5	60								J
o-Xylene	U	30								
Toluene	U	30								
Xylenes, Total	U	90								
Surr: 1,2-Dichloroethane-d4	1033	0	1000	0	103	70-130	0			
Surr: 4-Bromofluorobenzene	913.5	0	1000	0	91.4	70-130	0			
Surr: Dibromofluoromethane	1024	0	1000	0	102	70-130	0			
Surr: Toluene-d8	1000	0	1000	0	100	70-130	0			

LCS Sample ID: LCS-128833-128833				Units: µg/Kg-dry			Analysis Date: 12/4/2018 02:21 PM			
Client ID:		Run ID: VMS9_181204A		SeqNo: 5418808		Prep Date: 12/4/2018		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	883.5	30	1000	0	88.4	75-125	0			
Ethylbenzene	871	30	1000	0	87.1	75-125	0			
m,p-Xylene	1670	60	2000	0	83.5	80-125	0			
o-Xylene	888.5	30	1000	0	88.8	75-125	0			
Toluene	848.5	30	1000	0	84.8	70-125	0			
Xylenes, Total	2558	90	3000	0	85.3	75-125	0			
Surr: 1,2-Dichloroethane-d4	992	0	1000	0	99.2	70-130	0			
Surr: 4-Bromofluorobenzene	1016	0	1000	0	102	70-130	0			
Surr: Dibromofluoromethane	1024	0	1000	0	102	70-130	0			
Surr: Toluene-d8	996	0	1000	0	99.6	70-130	0			

MS Sample ID: 1812059-01B MS				Units: µg/Kg-dry			Analysis Date: 12/4/2018 09:36 PM			
Client ID: 910 Confirmation		Run ID: VMS9_181204A		SeqNo: 5418821		Prep Date: 12/4/2018		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	1240	42	1410	0	88	75-125	0			
Ethylbenzene	1321	42	1410	0	93.7	75-125	0			
m,p-Xylene	2461	85	2819	0	87.3	80-125	0			
o-Xylene	1379	42	1410	0	97.8	75-125	0			
Toluene	1258	42	1410	0	89.2	70-125	0			
Xylenes, Total	3840	130	4229	0	90.8	75-125	0			
Surr: 1,2-Dichloroethane-d4	1410	0	1410	0	100	70-130	0			
Surr: 4-Bromofluorobenzene	1448	0	1410	0	103	70-130	0			
Surr: Dibromofluoromethane	1268	0	1410	0	90	70-130	0			
Surr: Toluene-d8	1388	0	1410	0	98.4	70-130	0			

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

Client: XTO Energy
 Work Order: 1812059
 Project: YCF 35-12-1

QC BATCH REPORT

Batch ID: 128833 Instrument ID VMS9 Method: SW8260C

MSD				Sample ID: 1812059-01B MSD			Units: µg/Kg-dry		Analysis Date: 12/4/2018 09:51 PM		
Client ID: 910 Confirmation				Run ID: VMS9_181204A			SeqNo: 5418822		Prep Date: 12/4/2018		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual	
Benzene	1396	42	1410	0	99	75-125	1240	11.8	30		
Ethylbenzene	1469	42	1410	0	104	75-125	1321	10.6	30		
m,p-Xylene	2703	85	2819	0	95.9	80-125	2461	9.39	30		
o-Xylene	1484	42	1410	0	105	75-125	1379	7.33	30		
Toluene	1362	42	1410	0	96.6	70-125	1258	7.91	30		
Xylenes, Total	4187	130	4229	0	99	75-125	3840	8.66	30		
Surr: 1,2-Dichloroethane-d4	1412	0	1410	0	100	70-130	1410	0.2	30		
Surr: 4-Bromofluorobenzene	1415	0	1410	0	100	70-130	1448	2.36	30		
Surr: Dibromofluoromethane	1303	0	1410	0	92.4	70-130	1268	2.74	30		
Surr: Toluene-d8	1396	0	1410	0	99	70-130	1388	0.557	30		

The following samples were analyzed in this batch:

1812059-01B

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

Client: XTO Energy
Work Order: 1812059
Project: YCF 35-12-1

QC BATCH REPORT

Batch ID: **128912** Instrument ID **WETCHEM** Method: **USDA H60 Metho**

DUP		Sample ID: 1812051-01A DUP				Units: mmhos/cm @25°		Analysis Date: 12/5/2018 04:00 PM		
Client ID:		Run ID: WETCHEM_181205M				SeqNo: 5419961		Prep Date: 12/5/2018		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Electrical Conductivity @ Saturation	0.544	0.0050	0	0	0		0.547	0.55	50	

DUP		Sample ID: 1812059-01 DUP				Units: mmhos/cm @25°		Analysis Date: 12/7/2018 03:30 PM		
Client ID: 910 Confirmation		Run ID: WETCHEM_181207N				SeqNo: 5424843		Prep Date: 12/5/2018		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Electrical Conductivity @ Saturation	0.0753	0.0050	0	0	0		0.0749	0.533	50	

The following samples were analyzed in this batch:

1812059-01A

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

Client: XTO Energy
Work Order: 1812059
Project: YCF 35-12-1

QC BATCH REPORT

Batch ID: **129094** Instrument ID **WETCHEM** Method: **SW9045D**

LCS				Sample ID: LCS-129094-129094				Units: s.u.			Analysis Date: 12/7/2018 11:10 AM			
Client ID:				Run ID: WETCHEM_181207B				SeqNo: 5423951			Prep Date: 12/7/2018		DF: 1	
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual			
pH		3.95	0.10	4	0	98.8	90-110	0						

DUP				Sample ID: 1812058-01B DUP				Units: s.u.			Analysis Date: 12/7/2018 11:10 AM			
Client ID:				Run ID: WETCHEM_181207B				SeqNo: 5423953			Prep Date: 12/7/2018		DF: 1	
Analyte		Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual			
pH		8.66	0.10	0	0	0	0-0	8.71	0.576	20				
Temperature		22	0.10	0	0	0		22.1	0.454					

The following samples were analyzed in this batch:

1812059-01B

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

Client: XTO Energy
 Work Order: 1812059
 Project: YCF 35-12-1

QC BATCH REPORT

Batch ID: **129237** Instrument ID **WETCHEM** Method: **SW7196A**

MBLK		Sample ID: MBLK-129237-129237				Units: mg/Kg		Analysis Date: 12/11/2018 08:50 A		
Client ID:		Run ID: WETCHEM_181211F		SeqNo: 5429920		Prep Date: 12/7/2018		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent U 1.0

LCS		Sample ID: LCS-129237-129237				Units: mg/Kg		Analysis Date: 12/11/2018 08:50 A		
Client ID:		Run ID: WETCHEM_181211F		SeqNo: 5429921		Prep Date: 12/7/2018		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 7.09 1.0 5 0 142 80-120 0 S

MS		Sample ID: 1812059-01B MS				Units: mg/Kg		Analysis Date: 12/11/2018 08:50 A		
Client ID: 910 Confirmation		Run ID: WETCHEM_181211F		SeqNo: 5429924		Prep Date: 12/7/2018		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 4.62 1.0 5 0.07 91 75-125 0

MS		Sample ID: 1812059-01B MSI				Units: mg/Kg		Analysis Date: 12/11/2018 08:50 A		
Client ID: 910 Confirmation		Run ID: WETCHEM_181211F		SeqNo: 5429926		Prep Date: 12/7/2018		DF: 100		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 1864 97 2078 0.07 89.7 75-125 0

MSD		Sample ID: 1812059-01B MSD				Units: mg/Kg		Analysis Date: 12/11/2018 08:50 A		
Client ID: 910 Confirmation		Run ID: WETCHEM_181211F		SeqNo: 5429925		Prep Date: 12/7/2018		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Chromium, Hexavalent 4.273 1.0 5.051 0.07 83.2 75-125 4.62 7.81 20

The following samples were analyzed in this batch:

1812059-01B

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

Client: XTO Energy
Work Order: 1812059
Project: YCF 35-12-1

QC BATCH REPORT

Batch ID: **R250611** Instrument ID **MOIST** Method: **SW3550C**

MBLK		Sample ID: WBLKS-R250611				Units: % of sample		Analysis Date: 12/4/2018 04:47 PM		
Client ID:		Run ID: MOIST_181204D				SeqNo: 5418917		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture U 0.10

LCS		Sample ID: LCS-R250611				Units: % of sample		Analysis Date: 12/4/2018 04:47 PM		
Client ID:		Run ID: MOIST_181204D				SeqNo: 5418916		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 99.99 0.10 100 0 100 99.5-100.5 0

DUP		Sample ID: 1812033-03A DUP				Units: % of sample		Analysis Date: 12/4/2018 04:47 PM		
Client ID:		Run ID: MOIST_181204D				SeqNo: 5418896		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 5.04 0.10 0 0 0 0-0 5.06 0.396 10

DUP		Sample ID: 1812033-04A DUP				Units: % of sample		Analysis Date: 12/4/2018 04:47 PM		
Client ID:		Run ID: MOIST_181204D				SeqNo: 5418898		Prep Date:		DF: 1
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Moisture 7.62 0.10 0 0 0 0-0 7.57 0.658 10

The following samples were analyzed in this batch:

1812059-01B

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



CHAIN OF CUSTODY

Failure to complete all section of this form may delay analysis.

COC number (for client tracking)

Page 1 of 1

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Note: (a) DW (Drinking water), SW (Surface water), GW (Ground water), WW (Waste water), S (Soil), SL (Sludge), SE (Sediment), OS (Other solid material)

ALS Technichem (HK) Pty Ltd Address: 11/F, Chung Shun Knitting Centre, 1-3 Wing Yip Street, Kwai Chung, N.T., Hong Kong Tel: +852 2610 1044 Fax: +852 2610 2021 Email: HongKong@alsglobal.com

3.69 522

Sample Receipt Checklist

Client Name: **XTO - CO**

Date/Time Received: **01-Dec-18 11:15**

Work Order: **1812059**

Received by: **KRW**

Checklist completed by Keith Wurenga
eSignature

03-Dec-18
Date

Reviewed by: Chad Whelton
eSignature

04-Dec-18
Date

Matrices: **Soil**

Carrier 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 type="checkbox"/>	No <input type="checkbox"/>	Not Present <input checked="" type="checkbox"/>
Custody seals intact on sample bottles?	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"/>	
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input 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"/>	
Sample(s) received on ice?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	
Temperature(s)/Thermometer(s):	<u>3.6/3.6 C</u>		<u>SR2</u>
Cooler(s)/Kit(s):	<u></u>		
Date/Time sample(s) sent to storage:	<u>12/3/2018 1:26:52 PM</u>		
Water - VOA vials have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No VOA vials submitted <input checked="" type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
pH adjusted?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	N/A <input checked="" type="checkbox"/>
pH adjusted by:	<u>-</u>		

Login Notes:

Client Contacted:

Date Contacted:

Person Contacted:

Contacted By:

Regarding:

Comments:

CorrectiveAction: