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February 09, 2023

Max Trehus
PDC Energy
4000 Burlington Ave.
Evans, CO 80620

Work Order: **HS23011370**

Laboratory Results for: **B-Farm LD 18-036HN**

Dear Max Trehus ,

ALS Environmental received 2 sample(s) on Jan 26, 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
Tyler Monroe

Client: PDC Energy
Project: B-Farm LD 18-036HN
Work Order: HS23011370

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23011370-01	18-036HN A	Water		23-Jan-2023 16:25	26-Jan-2023 10:15	<input type="checkbox"/>
HS23011370-02	18-036HN B	Water		23-Jan-2023 16:25	26-Jan-2023 10:15	<input type="checkbox"/>

Client: PDC Energy
Project: B-Farm LD 18-036HN
Work Order: HS23011370

CASE NARRATIVE

GC Semivolatiles by Method RSK-175

Batch ID: R427455

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

GC Semivolatiles by Method SW8015M

Batch ID: 189054

Sample ID: 18-036HN A (HS23011370-01)

- The surrogate recoveries could not be determined due to dilution below the calibration range.

GC Volatiles by Method SW8015

Batch ID: R426992

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

GCMS Volatiles by Method SW8260

Batch ID: R427395

Sample ID: 18-036HN A (HS23011370-01)

- Lowest practical dilution due to sample matrix and/or high concentration of non-target analyte(s).

Sample ID: HS23020150-06MS

- MS/MSD was performed on an unrelated sample.

Metals by Method E200.8

Batch ID: 189495

Sample ID: 18-036HN B (HS23011370-02)

- Sample ran at a 5X dilution due to high concentration of Potassium.

Sample ID: 18-036HN B (HS23011370-02MS)

- The MS and/or MSD recovery was outside of the control; however, the result in the parent sample is greater than 4x the spike amount. Calcium, Potassium, Sodium.

Batch ID: 189481

Sample ID: HS23020073-01MS

- MS and MSD are for an unrelated sample

WetChemistry by Method E300

Batch ID: R427520

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.

Client: PDC Energy
Project: B-Farm LD 18-036HN
Work Order: HS23011370

CASE NARRATIVE

WetChemistry by Method SM2320B

Batch ID: R427404

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.
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WetChemistry by Method M2540C

Batch ID: R426945

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.
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Client: PDC Energy
 Project: B-Farm LD 18-036HN
 Sample ID: 18-036HN A
 Collection Date: 23-Jan-2023 16:25

ANALYTICAL REPORT

WorkOrder:HS23011370
 Lab ID:HS23011370-01
 Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
LOW LEVEL VOLATILES BY SW8260C		Method:SW8260		Analyst: AKP			
Benzene		U	100	500	ug/L	500	06-Feb-2023 11:53
Ethylbenzene		U	150	500	ug/L	500	06-Feb-2023 11:53
m,p-Xylene		U	250	1000	ug/L	500	06-Feb-2023 11:53
o-Xylene		U	150	500	ug/L	500	06-Feb-2023 11:53
Toluene		U	100	500	ug/L	500	06-Feb-2023 11:53
Xylenes, Total		U	150	500	ug/L	500	06-Feb-2023 11:53
Surr: 1,2-Dichloroethane-d4	102			70-126	%REC	500	06-Feb-2023 11:53
Surr: 4-Bromofluorobenzene	97.9			77-113	%REC	500	06-Feb-2023 11:53
Surr: Dibromofluoromethane	108			77-123	%REC	500	06-Feb-2023 11:53
Surr: Toluene-d8	96.7			82-127	%REC	500	06-Feb-2023 11:53
GASOLINE RANGE ORGANICS BY SW8015C		Method:SW8015		Analyst: FT			
Gasoline Range Organics	8,450		5.00	25.0	mg/L	500	31-Jan-2023 14:51
Surr: 4-Bromofluorobenzene	115			70-123	%REC	500	31-Jan-2023 14:51
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: PPM			
Ethane	31.8		0.144	1.00	ug/L	1	06-Feb-2023 11:42
Methane	1,270		10.7	50.0	ug/L	100	06-Feb-2023 12:09
Propane	13.3		1.00	1.00	ug/L	1	06-Feb-2023 11:42
TPH DRO/ORO BY SW8015C		Method:SW8015M		Prep:SW3511 / 30-Jan-2023		Analyst: PPM	
TPH (Diesel Range)	47		2.0	5.0	mg/L	100	31-Jan-2023 14:48
Surr: 2-Fluorobiphenyl	0	JS		60-135	%REC	100	31-Jan-2023 14:48
TOTAL METALS BY E200.8, REV 5.4, 1994		Method:E200.8		Prep:E200.8 / 08-Feb-2023		Analyst: JC	
Calcium	217		1.80	50.0	mg/L	100	09-Feb-2023 12:03
Magnesium	0.185	J	0.00780	0.500	mg/L	1	08-Feb-2023 19:35
Potassium	2,560		3.30	50.0	mg/L	100	09-Feb-2023 12:03
Sodium	1,090		2.10	20.0	mg/L	100	09-Feb-2023 12:03
ANIONS BY E300.0, REV 2.1, 1993		Method:E300		Analyst: TH			
Chloride	1,050		10.0	25.0	mg/L	50	06-Feb-2023 15:35
Sulfate	474		10.0	25.0	mg/L	50	06-Feb-2023 15:35
TOTAL DISSOLVED SOLIDS BY SM2540C-2011		Method:M2540C		Analyst: DC			
Total Dissolved Solids (Residue, Filterable)	11,500		5.00	10.0	mg/L	1	30-Jan-2023 10:30
ALKALINITY BY SM 2320B-2011		Method:SM2320B		Analyst: JAC			
Alkalinity, Bicarbonate (As CaCO3)		U	50.0	50.0	mg/L	10	06-Feb-2023 14:06
Alkalinity, Carbonate (As CaCO3)	1,480		50.0	50.0	mg/L	10	06-Feb-2023 14:06
Alkalinity, Total (As CaCO3)	15,200		50.0	50.0	mg/L	10	06-Feb-2023 14:06

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

Client: PDC Energy
 Project: B-Farm LD 18-036HN
 Sample ID: 18-036HN B
 Collection Date: 23-Jan-2023 16:25

ANALYTICAL REPORT

WorkOrder:HS23011370
 Lab ID:HS23011370-02
 Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED METALS BY E200.8, REV 5.4, Method:E200.8 (dissolved)					Prep:E200.8 / 08-Feb-2023		Analyst: JC
1994							
Calcium	120		0.360	10.0	mg/L	20	09-Feb-2023 14:34
Magnesium	U		0.0390	2.50	mg/L	5	09-Feb-2023 14:48
Potassium	2,530		0.660	10.0	mg/L	20	09-Feb-2023 14:34
Sodium	1,080		0.420	4.00	mg/L	20	09-Feb-2023 14:34

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

Weight / Prep Log

Client: PDC Energy
Project: B-Farm LD 18-036HN
WorkOrder: HS23011370

Batch ID: 189054 **Start Date:** 30 Jan 2023 12:00 **End Date:** 31 Jan 2023 12:00
Method: SW3511 **Prep Code:** 3511_DRO

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23011370-01		33.1 (mL)	2 (mL)	0.06042	40 mL Amber

Batch ID: 189090 **Start Date:** 30 Jan 2023 18:30 **End Date:** 30 Jan 2023 19:00
Method: SAMPLE FILTRATION - 0.45 MICRON FILTER **Prep Code:** FILTRATION

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23011370-02		100 (mL)	100 (mL)	1	250 mL plastic, Neat

Batch ID: 189481 **Start Date:** 08 Feb 2023 10:00 **End Date:** 08 Feb 2023 14:00
Method: TOTAL METALS PREP BY E200.8, REV 5.4, 1994 **Prep Code:** 200.8PR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23011370-01		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2

Batch ID: 189495 **Start Date:** 08 Feb 2023 13:30 **End Date:** 08 Feb 2023 17:30
Method: DISSOLVED METALS DIGESTION BY E200.8,REV 5.4,1994 **Prep Code:** 200.8_DISSPR

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23011370-02		10 (mL)	10 (mL)	1	250 mL plastic, Neat

Client: PDC Energy
Project: B-Farm LD 18-036HN
WorkOrder: HS23011370

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 189054 (0)		Test Name : TPH DRO/ORO BY SW8015C			Matrix: Water	
HS23011370-01	18-036HN A	23 Jan 2023 16:25		30 Jan 2023 08:52	31 Jan 2023 14:48	100
Batch ID: 189481 (0)		Test Name : TOTAL METALS BY E200.8, REV 5.4, 1994			Matrix: Water	
HS23011370-01	18-036HN A	23 Jan 2023 16:25		08 Feb 2023 10:00	09 Feb 2023 12:03	100
HS23011370-01	18-036HN A	23 Jan 2023 16:25		08 Feb 2023 10:00	08 Feb 2023 19:35	1
Batch ID: 189495 (0)		Test Name : DISSOLVED METALS BY E200.8, REV 5.4, 1994			Matrix: Water	
HS23011370-02	18-036HN B	23 Jan 2023 16:25		08 Feb 2023 13:30	09 Feb 2023 14:48	5
HS23011370-02	18-036HN B	23 Jan 2023 16:25		08 Feb 2023 13:30	09 Feb 2023 14:34	20
Batch ID: R426945 (0)		Test Name : TOTAL DISSOLVED SOLIDS BY SM2540C-2011			Matrix: Water	
HS23011370-01	18-036HN A	23 Jan 2023 16:25			30 Jan 2023 10:30	1
Batch ID: R426992 (0)		Test Name : GASOLINE RANGE ORGANICS BY SW8015C			Matrix: Water	
HS23011370-01	18-036HN A	23 Jan 2023 16:25			31 Jan 2023 14:51	500
Batch ID: R427395 (0)		Test Name : LOW LEVEL VOLATILES BY SW8260C			Matrix: Water	
HS23011370-01	18-036HN A	23 Jan 2023 16:25			06 Feb 2023 11:53	500
Batch ID: R427404 (0)		Test Name : ALKALINITY BY SM 2320B-2011			Matrix: Water	
HS23011370-01	18-036HN A	23 Jan 2023 16:25			06 Feb 2023 14:06	10
Batch ID: R427455 (0)		Test Name : DISSOLVED GASES BY RSK-175			Matrix: Water	
HS23011370-01	18-036HN A	23 Jan 2023 16:25			06 Feb 2023 12:09	100
HS23011370-01	18-036HN A	23 Jan 2023 16:25			06 Feb 2023 11:42	1
Batch ID: R427520 (0)		Test Name : ANIONS BY E300.0, REV 2.1, 1993			Matrix: Water	
HS23011370-01	18-036HN A	23 Jan 2023 16:25			06 Feb 2023 16:38	1
HS23011370-01	18-036HN A	23 Jan 2023 16:25			06 Feb 2023 15:35	50

Client: PDC Energy
Project: B-Farm LD 18-036HN
WorkOrder: HS23011370

QC BATCH REPORT

Batch ID: 189054 (0)	Instrument: FID-16	Method: TPH DRO/ORO BY SW8015C
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MBLK	Sample ID: MBLK-189054	Units: mg/L	Analysis Date: 31-Jan-2023 12:21							
Client ID:	Run ID: FID-16_427140	SeqNo: 7103813	PrepDate: 30-Jan-2023 DF: 1							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
TPH (Diesel Range)	U	0.050								
<i>Surr: 2-Fluorobiphenyl</i>	<i>0.05034</i>	<i>0.0050</i>	<i>0.06</i>	<i>0</i>	<i>83.9</i>	<i>60 - 135</i>				

LCS	Sample ID: LCS-189054	Units: mg/L	Analysis Date: 31-Jan-2023 12:51							
Client ID:	Run ID: FID-16_427140	SeqNo: 7103814	PrepDate: 30-Jan-2023 DF: 1							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
TPH (Diesel Range)	0.6747	0.050	0.6	0	112	70 - 130				
<i>Surr: 2-Fluorobiphenyl</i>	<i>0.06061</i>	<i>0.0050</i>	<i>0.06</i>	<i>0</i>	<i>101</i>	<i>60 - 135</i>				

LCSD	Sample ID: LCSD-189054	Units: mg/L	Analysis Date: 31-Jan-2023 13:20							
Client ID:	Run ID: FID-16_427140	SeqNo: 7103815	PrepDate: 30-Jan-2023 DF: 1							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual
TPH (Diesel Range)	0.7049	0.050	0.6	0	117	70 - 130	0.6747	4.38	20	
<i>Surr: 2-Fluorobiphenyl</i>	<i>0.0592</i>	<i>0.0050</i>	<i>0.06</i>	<i>0</i>	<i>98.7</i>	<i>60 - 135</i>	<i>0.06061</i>	<i>2.35</i>	<i>20</i>	

The following samples were analyzed in this batch: HS23011370-01

Client: PDC Energy
Project: B-Farm LD 18-036HN
WorkOrder: HS23011370

QC BATCH REPORT

Batch ID: R427455 (0) **Instrument:** FID-4 **Method:** DISSOLVED GASES BY RSK-175

MBLK		Sample ID: MBLK-230206		Units: ug/L		Analysis Date: 06-Feb-2023 10:28			
Client ID:		Run ID: FID-4_427455		SeqNo: 7111767		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Ethane	U	1.00							
Methane	U	0.500							
Propane	U	1.00							

LCS		Sample ID: LCS-230206		Units: ug/L		Analysis Date: 06-Feb-2023 10:42			
Client ID:		Run ID: FID-4_427455		SeqNo: 7111768		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Ethane	19.88	1.00	18.04	0	110	75 - 125			
Methane	9.13	0.500	9.647	0	94.6	75 - 125			
Propane	32.08	1.00	26.46	0	121	75 - 125			

LCSD		Sample ID: LCSD-230206		Units: ug/L		Analysis Date: 06-Feb-2023 10:57			
Client ID:		Run ID: FID-4_427455		SeqNo: 7111769		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Ethane	19.51	1.00	18.04	0	108	75 - 125	19.88	1.88	30
Methane	8.903	0.500	9.647	0	92.3	75 - 125	9.13	2.53	30
Propane	32.05	1.00	26.46	0	121	75 - 125	32.08	0.0869	30

The following samples were analyzed in this batch: HS23011370-01

Client: PDC Energy
Project: B-Farm LD 18-036HN
WorkOrder: HS23011370

QC BATCH REPORT

Batch ID: R426992 (0)		Instrument: FID-20		Method: GASOLINE RANGE ORGANICS BY SW8015C					
MBLK	Sample ID: MBLK-230131	Units: mg/L			Analysis Date: 31-Jan-2023 10:18				
Client ID:		Run ID: FID-20_426992		SeqNo: 7099823	PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual

Gasoline Range Organics	U	0.0500							
<i>Surr: 4-Bromofluorobenzene</i>	<i>0.09492</i>	<i>0.00500</i>	<i>0.1</i>	<i>0</i>	<i>94.9</i>	<i>70 - 121</i>			

LCS	Sample ID: LCS-230131	Units: mg/L			Analysis Date: 31-Jan-2023 09:37				
Client ID:		Run ID: FID-20_426992		SeqNo: 7099821	PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual

Gasoline Range Organics	1.07	0.0500	1	0	107	76 - 124			
<i>Surr: 4-Bromofluorobenzene</i>	<i>0.0833</i>	<i>0.00500</i>	<i>0.1</i>	<i>0</i>	<i>83.3</i>	<i>52 - 138</i>			

LCSD	Sample ID: LCSD-230131	Units: mg/L			Analysis Date: 31-Jan-2023 09:50				
Client ID:		Run ID: FID-20_426992		SeqNo: 7099822	PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual

Gasoline Range Organics	1.19	0.0500	1	0	119	76 - 124	1.07	10.7	20
<i>Surr: 4-Bromofluorobenzene</i>	<i>0.08796</i>	<i>0.00500</i>	<i>0.1</i>	<i>0</i>	<i>88.0</i>	<i>52 - 138</i>	<i>0.0833</i>	<i>5.44</i>	<i>20</i>

The following samples were analyzed in this batch: HS23011370-01

Client: PDC Energy
Project: B-Farm LD 18-036HN
WorkOrder: HS23011370

QC BATCH REPORT

Batch ID: 189481 (0)	Instrument: ICPMS06	Method: TOTAL METALS BY E200.8, REV 5.4, 1994
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MBLK	Sample ID: MBLK-189481	Units: ug/L	Analysis Date: 08-Feb-2023 18:20							
Client ID:	Run ID: ICPMS06_427569	SeqNo: 7115158	PrepDate: 08-Feb-2023 DF: 1							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Calcium	U	500								
Magnesium	14.92	500								J
Potassium	U	500								
Sodium	193.4	200								J

LCS	Sample ID: LCS-189481	Units: ug/L	Analysis Date: 08-Feb-2023 18:22							
Client ID:	Run ID: ICPMS06_427569	SeqNo: 7115159	PrepDate: 08-Feb-2023 DF: 1							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Calcium	5128	500	5000	0	103	85 - 115				
Magnesium	5215	500	5000	0	104	85 - 115				
Potassium	5278	500	5000	0	106	85 - 115				
Sodium	5183	200	5000	0	104	85 - 115				

MS	Sample ID: HS23020073-01MS	Units: ug/L	Analysis Date: 08-Feb-2023 18:32							
Client ID:	Run ID: ICPMS06_427569	SeqNo: 7115164	PrepDate: 08-Feb-2023 DF: 1							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Calcium	269700	500	5000	261300	168	70 - 130				SEO
Magnesium	32410	500	5000	26890	110	70 - 130				O
Potassium	38720	500	5000	33270	109	70 - 130				O
Sodium	299700	200	5000	288900	215	70 - 130				SEO

MS	Sample ID: HS23011528-01MS	Units: ug/L	Analysis Date: 08-Feb-2023 18:26							
Client ID:	Run ID: ICPMS06_427569	SeqNo: 7115161	PrepDate: 08-Feb-2023 DF: 1							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual

Calcium	5191	500	5000	130.2	101	70 - 130				
Magnesium	5159	500	5000	30.51	103	70 - 130				
Potassium	5158	500	5000	0	103	70 - 130				
Sodium	6433	200	5000	1478	99.1	70 - 130				

Client: PDC Energy
Project: B-Farm LD 18-036HN
WorkOrder: HS23011370

QC BATCH REPORT

Batch ID: 189481 (0) **Instrument:** ICPMS06 **Method:** TOTAL METALS BY E200.8, REV 5.4, 1994

MSD		Sample ID: HS23020073-01MSD			Units: ug/L		Analysis Date: 08-Feb-2023 18:34			
Client ID:		Run ID: ICPMS06_427569			SeqNo: 7115165		PrepDate: 08-Feb-2023		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	264800	500	5000	261300	70.1	70 - 130	269700	1.83	20	EO
Magnesium	31800	500	5000	26890	98.3	70 - 130	32410	1.88	20	O
Potassium	37720	500	5000	33270	89.1	70 - 130	38720	2.6	20	O
Sodium	295700	200	5000	288900	135	70 - 130	299700	1.35	20	SEO

MSD		Sample ID: HS23011528-01MSD			Units: ug/L		Analysis Date: 08-Feb-2023 18:28			
Client ID:		Run ID: ICPMS06_427569			SeqNo: 7115162		PrepDate: 08-Feb-2023		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	5215	500	5000	130.2	102	70 - 130	5191	0.453	20	
Magnesium	5246	500	5000	30.51	104	70 - 130	5159	1.67	20	
Potassium	5178	500	5000	0	104	70 - 130	5158	0.391	20	
Sodium	6420	200	5000	1478	98.8	70 - 130	6433	0.203	20	

The following samples were analyzed in this batch: HS23011370-01

Client: PDC Energy
Project: B-Farm LD 18-036HN
WorkOrder: HS23011370

QC BATCH REPORT

Batch ID: 189495 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY E200.8, REV 5.4, 1994 (DISSOLVED)						
MBLK	Sample ID: MBLK-F1-189495	Units: ug/L		Analysis Date: 09-Feb-2023 14:00						
Client ID:	Run ID: ICPMS06_427673	SeqNo: 7116737		PrepDate: 08-Feb-2023		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual	
Calcium	U	500								
Magnesium	14.37	500							J	
Potassium	U	500								
Sodium	U	200								
MBLK	Sample ID: MBLK-189495	Units: ug/L		Analysis Date: 09-Feb-2023 13:58						
Client ID:	Run ID: ICPMS06_427673	SeqNo: 7116736		PrepDate: 08-Feb-2023		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual	
Calcium	U	500								
Magnesium	U	500								
Potassium	U	500								
Sodium	U	200								
LCS	Sample ID: LCS-189495	Units: ug/L		Analysis Date: 09-Feb-2023 14:02						
Client ID:	Run ID: ICPMS06_427673	SeqNo: 7116738		PrepDate: 08-Feb-2023		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual	
Calcium	5161	500	5000	0	103	85 - 115				
Magnesium	5455	500	5000	0	109	85 - 115				
Potassium	5214	500	5000	0	104	85 - 115				
Sodium	5436	200	5000	0	109	85 - 115				
MS	Sample ID: HS23011370-02MS	Units: ug/L		Analysis Date: 09-Feb-2023 14:36						
Client ID: 18-036HN B	Run ID: ICPMS06_427673	SeqNo: 7116743		PrepDate: 08-Feb-2023		DF: 20				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual	
Calcium	142300	10000	5000	120100	443	85 - 115			SO	
Potassium	2890000	10000	5000	2527000	7260	85 - 115			SO	
Sodium	1237000	4000	5000	1084000	3060	85 - 115			SO	

Client: PDC Energy
Project: B-Farm LD 18-036HN
WorkOrder: HS23011370

QC BATCH REPORT

Batch ID: 189495 (0)	Instrument: ICPMS06	Method: DISSOLVED METALS BY E200.8, REV 5.4, 1994 (DISSOLVED)								
MS	Sample ID: HS23011370-02MS	Units: ug/L	Analysis Date: 09-Feb-2023 14:50							
Client ID: 18-036HN B	Run ID: ICPMS06_427673	SeqNo: 7116753	PrepDate: 08-Feb-2023 DF: 5							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual

Magnesium 5446 2500 5000 29.75 108 85 - 115

MSD	Sample ID: HS23011370-02MSD	Units: ug/L	Analysis Date: 09-Feb-2023 14:38							
Client ID: 18-036HN B	Run ID: ICPMS06_427673	SeqNo: 7116744	PrepDate: 08-Feb-2023 DF: 20							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual

Calcium 141500 10000 5000 120100 428 85 - 115 142300 0.539 20 SO

Potassium 2894000 10000 5000 2527000 7340 85 - 115 2890000 0.146 20 SO

Sodium 1216000 4000 5000 1084000 2640 85 - 115 1237000 1.74 20 SO

MSD	Sample ID: HS23011370-02MSD	Units: ug/L	Analysis Date: 09-Feb-2023 14:52							
Client ID: 18-036HN B	Run ID: ICPMS06_427673	SeqNo: 7116754	PrepDate: 08-Feb-2023 DF: 5							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	RPD %RPD	RPD Limit	Qual

Magnesium 5459 2500 5000 29.75 109 85 - 115 5446 0.241 20

The following samples were analyzed in this batch: HS23011370-02

Client: PDC Energy
Project: B-Farm LD 18-036HN
WorkOrder: HS23011370

QC BATCH REPORT

Batch ID: R427395 (0)	Instrument: VOA11	Method: LOW LEVEL VOLATILES BY SW8260C
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MBLK		Sample ID: VBLKW-230206		Units: ug/L		Analysis Date: 06-Feb-2023 10:21			
Client ID:		Run ID: VOA11_427395		SeqNo: 7110224		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	U	1.0							
Ethylbenzene	U	1.0							
m,p-Xylene	U	2.0							
o-Xylene	U	1.0							
Toluene	U	1.0							
Xylenes, Total	U	1.0							
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>49.92</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>99.8</i>	<i>70 - 123</i>			
<i>Surr: 4-Bromofluorobenzene</i>	<i>50.08</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>100</i>	<i>77 - 113</i>			
<i>Surr: Dibromofluoromethane</i>	<i>52.32</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>105</i>	<i>73 - 126</i>			
<i>Surr: Toluene-d8</i>	<i>48.33</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>96.7</i>	<i>81 - 120</i>			

LCS		Sample ID: VLCSW-230206		Units: ug/L		Analysis Date: 06-Feb-2023 09:39			
Client ID:		Run ID: VOA11_427395		SeqNo: 7110223		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	21.02	1.0	20	0	105	74 - 120			
Ethylbenzene	21.21	1.0	20	0	106	77 - 117			
m,p-Xylene	41.65	2.0	40	0	104	77 - 122			
o-Xylene	20.74	1.0	20	0	104	75 - 119			
Toluene	20.95	1.0	20	0	105	77 - 118			
Xylenes, Total	62.39	1.0	60	0	104	75 - 122			
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>45</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>90.0</i>	<i>70 - 123</i>			
<i>Surr: 4-Bromofluorobenzene</i>	<i>47.8</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>95.6</i>	<i>77 - 113</i>			
<i>Surr: Dibromofluoromethane</i>	<i>48.85</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>97.7</i>	<i>73 - 126</i>			
<i>Surr: Toluene-d8</i>	<i>49.43</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>98.9</i>	<i>81 - 120</i>			

Client: PDC Energy
Project: B-Farm LD 18-036HN
WorkOrder: HS23011370

QC BATCH REPORT

Batch ID: R427395 (0) **Instrument:** VOA11 **Method:** LOW LEVEL VOLATILES BY SW8260C

MS		Sample ID: HS23020150-06MS		Units: ug/L		Analysis Date: 06-Feb-2023 12:37				
Client ID:		Run ID: VOA11_427395		SeqNo: 7110228		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	20.87	1.0	20	0	104	70 - 127				
Ethylbenzene	22.33	1.0	20	0	112	70 - 124				
m,p-Xylene	64.83	2.0	40	0	162	70 - 130				S
o-Xylene	24.89	1.0	20	0	124	70 - 124				S
Toluene	26.95	1.0	20	0	135	70 - 123				S
Xylenes, Total	89.72	1.0	60	0	150	70 - 130				S
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>44.42</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>88.8</i>	<i>70 - 126</i>				
<i>Surr: 4-Bromofluorobenzene</i>	<i>48.25</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>96.5</i>	<i>77 - 113</i>				
<i>Surr: Dibromofluoromethane</i>	<i>48.16</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>96.3</i>	<i>77 - 123</i>				
<i>Surr: Toluene-d8</i>	<i>50.21</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>100</i>	<i>82 - 127</i>				

MSD		Sample ID: HS23020150-06MSD		Units: ug/L		Analysis Date: 06-Feb-2023 12:58				
Client ID:		Run ID: VOA11_427395		SeqNo: 7110229		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	20.42	1.0	20	0	102	70 - 127	20.87	2.18	20	
Ethylbenzene	22.21	1.0	20	0	111	70 - 124	22.33	0.507	20	
m,p-Xylene	88.04	2.0	40	0	220	70 - 130	64.83	30.4	20	SR
o-Xylene	35.09	1.0	20	0	175	70 - 124	24.89	34	20	SR
Toluene	30.99	1.0	20	0	155	70 - 123	26.95	13.9	20	S
Xylenes, Total	123.1	1.0	60	0	205	70 - 130	89.72	31.4	20	SR
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>43.64</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>87.3</i>	<i>70 - 126</i>	<i>44.42</i>	<i>1.78</i>	<i>20</i>	
<i>Surr: 4-Bromofluorobenzene</i>	<i>47.02</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>94.0</i>	<i>77 - 113</i>	<i>48.25</i>	<i>2.6</i>	<i>20</i>	
<i>Surr: Dibromofluoromethane</i>	<i>48.6</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>97.2</i>	<i>77 - 123</i>	<i>48.16</i>	<i>0.9</i>	<i>20</i>	
<i>Surr: Toluene-d8</i>	<i>48.52</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>97.0</i>	<i>82 - 127</i>	<i>50.21</i>	<i>3.44</i>	<i>20</i>	

The following samples were analyzed in this batch: HS23011370-01

Client: PDC Energy
Project: B-Farm LD 18-036HN
WorkOrder: HS23011370

QC BATCH REPORT

Batch ID: R426945 (0)		Instrument: Balance1		Method: TOTAL DISSOLVED SOLIDS BY SM2540C-2011						
MBLK	Sample ID: WBLK-01302023	Units: mg/L		Analysis Date: 30-Jan-2023 10:30						
Client ID:	Run ID: Balance1_426945	SeqNo: 7098733		PrepDate:			DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual	
Total Dissolved Solids (Residue, Filterable)		U	10.0							
LCS	Sample ID: LCS-01302023	Units: mg/L		Analysis Date: 30-Jan-2023 10:30						
Client ID:	Run ID: Balance1_426945	SeqNo: 7098732		PrepDate:			DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual	
Total Dissolved Solids (Residue, Filterable)		1136	10.0	1000	0	114	85 - 115			
DUP	Sample ID: HS23011208-10DUP	Units: mg/L		Analysis Date: 30-Jan-2023 10:30						
Client ID:	Run ID: Balance1_426945	SeqNo: 7098723		PrepDate:			DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual	
Total Dissolved Solids (Residue, Filterable)		16	10.0				16	0	5	
DUP	Sample ID: HS23011208-02DUP	Units: mg/L		Analysis Date: 30-Jan-2023 10:30						
Client ID:	Run ID: Balance1_426945	SeqNo: 7098714		PrepDate:			DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual	
Total Dissolved Solids (Residue, Filterable)		U	10.0				-2	0	5	

The following samples were analyzed in this batch: HS23011370-01

Client: PDC Energy
Project: B-Farm LD 18-036HN
WorkOrder: HS23011370

QC BATCH REPORT

Batch ID: R427404 (0)	Instrument: ManTech01	Method: ALKALINITY BY SM 2320B-2011
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MBLK	Sample ID: WBLKW1-020623	Units: mg/L	Analysis Date: 06-Feb-2023 12:58							
Client ID:	Run ID: ManTech01_427404	SeqNo: 7110371	PrepDate: DF: 1							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Alkalinity, Bicarbonate (As CaCO3)	U	5.00								
Alkalinity, Carbonate (As CaCO3)	U	5.00								
Alkalinity, Hydroxide (As CaCO3)	U	5.00								
Alkalinity, Total (As CaCO3)	U	5.00								

LCS	Sample ID: LCS1-020623	Units: mg/L	Analysis Date: 06-Feb-2023 13:07							
Client ID:	Run ID: ManTech01_427404	SeqNo: 7110372	PrepDate: DF: 1							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Alkalinity, Carbonate (As CaCO3)	1014	5.00	1000	0	101	85 - 115				
Alkalinity, Total (As CaCO3)	1024	5.00	1000	0	102	85 - 115				

LCSD	Sample ID: LCSD1-020623	Units: mg/L	Analysis Date: 06-Feb-2023 13:16							
Client ID:	Run ID: ManTech01_427404	SeqNo: 7110373	PrepDate: DF: 1							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Alkalinity, Carbonate (As CaCO3)	1019	5.00	1000	0	102	85 - 115	1014	0.45	20	
Alkalinity, Total (As CaCO3)	1029	5.00	1000	0	103	85 - 115	1024	0.504	20	

DUP	Sample ID: HS23011208-09DUP	Units: mg/L	Analysis Date: 06-Feb-2023 13:33							
Client ID:	Run ID: ManTech01_427404	SeqNo: 7110376	PrepDate: DF: 1							
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Alkalinity, Bicarbonate (As CaCO3)	164.6	5.00					163.6	0.646	20	
Alkalinity, Carbonate (As CaCO3)	U	5.00					0	0	20	
Alkalinity, Hydroxide (As CaCO3)	U	5.00					0	0	20	
Alkalinity, Total (As CaCO3)	164.6	5.00					163.6	0.646	20	

The following samples were analyzed in this batch: HS23011370-01

Client: PDC Energy
Project: B-Farm LD 18-036HN
WorkOrder: HS23011370

QC BATCH REPORT

Batch ID: R427520 (0) **Instrument:** ICS-Integrion **Method:** ANIONS BY E300.0, REV 2.1, 1993

MBLK		Sample ID: MBLK	Units: mg/L			Analysis Date: 06-Feb-2023 13:39				
Client ID:		Run ID: ICS-Integrion_427520	SeqNo: 7113061		PrepDate:			DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	U	0.500								
Fluoride	U	0.100								
Sulfate	U	0.500								

LCS		Sample ID: LCS	Units: mg/L			Analysis Date: 06-Feb-2023 13:51				
Client ID:		Run ID: ICS-Integrion_427520	SeqNo: 7113062		PrepDate:			DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	20.42	0.500	20	0	102	90 - 110				
Fluoride	4.256	0.100	4	0	106	90 - 110				
Sulfate	21.35	0.500	20	0	107	90 - 110				

MS		Sample ID: HS23011367-03MS	Units: mg/L			Analysis Date: 06-Feb-2023 14:55				
Client ID:		Run ID: ICS-Integrion_427520	SeqNo: 7113070		PrepDate:			DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	10.54	0.500	10	0.22	103	80 - 120				
Fluoride	2.177	0.100	2	0.0208	108	80 - 120				
Sulfate	11.64	0.500	10	0.5773	111	80 - 120				

MSD		Sample ID: HS23011367-03MSD	Units: mg/L			Analysis Date: 06-Feb-2023 15:00				
Client ID:		Run ID: ICS-Integrion_427520	SeqNo: 7113071		PrepDate:			DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	10.54	0.500	10	0.22	103	80 - 120	10.54	0.0474	20	
Fluoride	2.131	0.100	2	0.0208	106	80 - 120	2.177	2.14	20	
Sulfate	11.61	0.500	10	0.5773	110	80 - 120	11.64	0.27	20	

The following samples were analyzed in this batch: HS23011370-01

Client: PDC Energy
Project: B-Farm LD 18-036HN
WorkOrder: HS23011370

**QUALIFIERS,
ACRONYMS, UNITS**

Qualifier	Description
*	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

Acronym	Description
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

Unit Reported	Description
Date	
mg/L	Milligrams per Liter

CERTIFICATIONS,ACCREDITATIONS & LICENSES

Agency	Number	Expire Date
Arkansas	22-041-0	27-Mar-2023
California	2919 2022-2023	30-Apr-2023
Dept of Defense	L21-682	31-Dec-2023
Florida	E87611-36	30-Jun-2023
Illinois	2000322022-9	09-May-2023
Kansas	E-10352; 2022-2023	31-Jul-2023
Kentucky	123043, 2022-2023	30-Apr-2023
Louisiana	03087, 2022-2023	30-Jun-2023
Maryland	343, 2022-2023	30-Jun-2023
North Carolina	624-2023	31-Dec-2023
North Dakota	R-193 2022-2023	30-Apr-2023
Oklahoma	2022-141	31-Aug-2023
Texas	T104704231-22-29	30-Apr-2023
Utah	TX026932022-13	31-Jul-2023

Sample Receipt Checklist

Work Order ID: HS23011370

Date/Time Received: 26-Jan-2023 10:15

Client Name: PDC Energy 80620

Received by: Corey Grandits

Completed By: /S/ Corey Grandits	27-Jan-2023 09:35	Reviewed by: /S/ Tyler Monroe	30-Jan-2023 17:14
eSignature	Date/Time	eSignature	Date/Time

Matrices: **W**

Carrier name: **FedEx**

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

Temperature(s)/Thermometer(s):	3.0UC/2.5C	IR31
Cooler(s)/Kit(s):	Lg Blue	
Date/Time sample(s) sent to storage:	1/27/2023	
Water - VOA vials have zero headspace?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	No VOA vials submitted <input type="checkbox"/>
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	N/A <input type="checkbox"/>
pH adjusted?	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	N/A <input type="checkbox"/>
pH adjusted by:		

Login Notes:

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:



Chain of Custody Form

Page _____ of _____

HS23011370

PDC Energy
B-Farm LD 18-036HN

11
e
0
9
2



ALS Project Manager:

Customer Information		Project Information		Parameters: Methane, Ethane, Propane													
Purchase Order		Project Name	B-Farm LD 18-036HN	A	Dissolved Gases (Methane, Ethane, Propane)												
Work Order		Project Number		B	BTEX 8260												
Company Name	PDC Energy	Bill To Company	PDC Energy	C	DRO 8015												
Send Report To	Max Trehus	Invoice Attn.	Max Trehus	D	GRO 8015												
Address	4000 Burlington Ave	Address	1775 Sherman St #3000	E	Anions (Cl,SO4), Alk (T, CO3, HCO3), TDS												
					F	Dissolved Ca, Mg, K, Na - need to lab filter											
City/State/Zip	Evans, CO 80620	City/State/Zip	Denver, CO 80203	G	Total Ca, Mg, K, Na												
Phone	720-762-3569	Phone	303-860-5800	H													
Fax		Fax		I													
e-Mail Address	max.trehus@pdce.com jenifer.hakkarinen@pdce.com jessica.iohannsen@pdce.com	e-Mail Address		J													

No.	Sample Description	Date	Time	Matrix	Pres.	# Bottles	A	B	C	D	E	F	G	H	I	J	Hold
1	18-036HN A	1/23/2023	16:25	W	8	2	X										
2	18-036HN A			W	1	2		X									
3	18-036HN A			W	1	2			X								
4	18-036HN A			W	1	2				X							
5	18-036HN A			W	8	1					X						
6	18-036HN B			W	8	1						X					
7	18-036HN A			W	2	1							X				
8																	
9																	
10																	

Sampler(s): Please Print & Sign Max Trehus [Signature] Shipment Method: _____ Required Turnaround Time: STD 10 Wk Days 5 Wk Days 2 Wk Days 24 Hour Results Due Date: _____

Relinquished by: [Signature] Date: 1/25/23 Time: 10:15 Received by: [Signature] Notes: Facility ID: 452911
Lin Ave 1271

Relinquished by: [Signature] Date: 1/25/23 Time: 1:00 Received by (Laboratory): 102874 1-26-23 10:15 Cooler Temp. 30° QC Package: (Check Box Below)

Logged by (Laboratory): _____ Date: _____ Time: _____ Checked by (Laboratory): _____ Level II: Standard QC TRRP-Checklist
 Level III: Std QC + Raw Data TRRP Level IV
 Level IV: SW846 CLP-Like

Preservative Key: 1-HCL 2-HNO3 3-H2SO4 4-NaOH 5-Na2S2O3 6-NaHSO4 7-Other 8-4 degrees C 9-5035 Other: _____

Note: Any changes must be made in writing once samples and COC Form have been submitted to ALS Environmental. Copyright 2013 by ALS Environmental

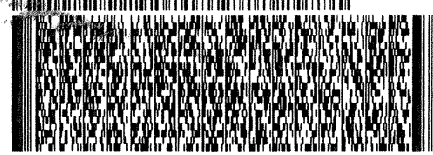
LG Pme JAN 26 2023
JAN 26 2023

ORIGIN ID:GXVA (970) 305-1648
AMY KEPHART
ALS
965 E 11TH ST
LOVELAND, CO 80537
UNITED STATES US

SHIP DATE: 25 JAN 23
ACTWTG: 47.40 LB
CAD: 0487862/CAFE3618
DIMS: 24x14x12 IN
BILL THIRD PARTY

TO **SAMPLE RECEIVING**
ALS
10450 STANCLIFF RD *LG Pme*
SUITE 210
HOUSTON TX 77099

REF: PDC



TRK# 6182 5243 5360
0201

THU - 26 JAN 10:30A
PRIORITY OVERNIGHT

XA SGRA

77099
TX-US IAH

Post # 167077-494 MTH EXP 08/22

