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February 03, 2023

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

Work Order: **HS23010981**

Laboratory Results for: **Sharp 2635-1-15HC**

Dear Max Trehus ,

ALS Environmental received 2 sample(s) on Jan 20, 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: DAYNA.FISHER

Tyler Monroe

Client: PDC Energy
Project: Sharp 2635-1-15HC
Work Order: HS23010981

SAMPLE SUMMARY

Lab Samp ID	Client Sample ID	Matrix	TagNo	Collection Date	Date Received	Hold
HS23010981-01	2635-1-15HC A	Water		19-Jan-2023 13:05	20-Jan-2023 10:10	<input type="checkbox"/>
HS23010981-02	2635-1-15HC B	Water		19-Jan-2023 13:05	20-Jan-2023 10:10	<input type="checkbox"/>

Client: PDC Energy
Project: Sharp 2635-1-15HC
Work Order: HS23010981

CASE NARRATIVE

GC Semivolatiles by Method RSK-175

Batch ID: R426549

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

GC Semivolatiles by Method SW8015M

Batch ID: 188692

Sample ID: 2635-1-15HC A (HS23010981-01)

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

GC Volatiles by Method SW8015

Batch ID: R426417

Sample ID: 2635-1-15HC A (HS23010981-01)

- Surrogate failed outside of control limits high. Sample is ND. Dilution required due to matrix interference.

GCMS Volatiles by Method SW8260

Batch ID: R426468

Sample ID: 2635-1-15HC A (HS23010981-01)

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

Metals by Method E200.8

Batch ID: 189244

Sample ID: 2635-1-15HC A (HS23010981-01)

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

Sample ID: HS23011125-01MS

- MS and MSD are for an unrelated sample

Sample ID: HS23011317-01MS

- MS and MSD are for an unrelated sample

Batch ID: 189209

Sample ID: 2635-1-15HC B (HS23010981-02)

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

Sample ID: HS23010971-02MS

- MS and MSD are for an unrelated sample

WetChemistry by Method SM2320B

Batch ID: R427120

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

Client: PDC Energy
Project: Sharp 2635-1-15HC
Work Order: HS23010981

CASE NARRATIVE

WetChemistry by Method SM2320B

WetChemistry by Method E300

Batch ID: R427083

Sample ID: HS23011120-03MS

- MS and MSD are for an unrelated sample (Sulfate)

Sample ID: HS23011120-13MS

- MS and MSD are for an unrelated sample (Sulfate)

WetChemistry by Method M2540C

Batch ID: R426686

- The test results meet requirements of the current NELAP standards, state requirements or programs where applicable.
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Client: PDC Energy
 Project: Sharp 2635-1-15HC
 Sample ID: 2635-1-15HC A
 Collection Date: 19-Jan-2023 13:05

ANALYTICAL REPORT
 WorkOrder:HS23010981
 Lab ID:HS23010981-01
 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	25-Jan-2023 06:42
Ethylbenzene	U		150	500	ug/L	500	25-Jan-2023 06:42
m,p-Xylene	U		250	1000	ug/L	500	25-Jan-2023 06:42
o-Xylene	U		150	500	ug/L	500	25-Jan-2023 06:42
Toluene	U		100	500	ug/L	500	25-Jan-2023 06:42
Xylenes, Total	U		150	500	ug/L	500	25-Jan-2023 06:42
Surr: 1,2-Dichloroethane-d4	97.9			70-126	%REC	500	25-Jan-2023 06:42
Surr: 4-Bromofluorobenzene	98.4			77-113	%REC	500	25-Jan-2023 06:42
Surr: Dibromofluoromethane	98.2			77-123	%REC	500	25-Jan-2023 06:42
Surr: Toluene-d8	98.5			82-127	%REC	500	25-Jan-2023 06:42
GASOLINE RANGE ORGANICS BY SW8015C		Method:SW8015		Analyst: PJM			
Gasoline Range Organics	U		5.00	25.0	mg/L	500	24-Jan-2023 10:25
Surr: 4-Bromofluorobenzene	488	S		70-123	%REC	500	24-Jan-2023 10:25
DISSOLVED GASES BY RSK-175		Method:RSK-175		Analyst: PPM			
Ethane	39.0		0.144	1.00	ug/L	1	25-Jan-2023 12:05
Methane	196		1.07	5.00	ug/L	10	25-Jan-2023 13:05
Propane	19.6		1.00	1.00	ug/L	1	25-Jan-2023 12:05
TPH DRO/ORO BY SW8015C		Method:SW8015M		Prep:SW3511 / 23-Jan-2023		Analyst: PPM	
TPH (Diesel Range)	41		2.1	5.1	mg/L	100	25-Jan-2023 15:29
Surr: 2-Fluorobiphenyl	0	JS		60-135	%REC	100	25-Jan-2023 15:29
TOTAL METALS BY E200.8, REV 5.4, 1994		Method:E200.8		Prep:E200.8 / 02-Feb-2023		Analyst: JC	
Calcium	3,000		9.00	250	mg/L	500	03-Feb-2023 13:21
Magnesium	0.229	J	0.0390	2.50	mg/L	5	02-Feb-2023 22:00
Potassium	248		0.165	2.50	mg/L	5	02-Feb-2023 22:00
Sodium	990		10.5	100	mg/L	500	03-Feb-2023 13:21
ANIONS BY E300.0, REV 2.1, 1993		Method:E300		Analyst: TH			
Chloride	7,390		20.0	50.0	mg/L	100	01-Feb-2023 12:11
Sulfate	1,530		10.0	25.0	mg/L	50	01-Feb-2023 12:05
TOTAL DISSOLVED SOLIDS BY SM2540C -2011		Method:M2540C		Analyst: DC			
Total Dissolved Solids (Residue, Filterable)	44,600		5.00	10.0	mg/L	1	26-Jan-2023 10:30
ALKALINITY BY SM 2320B-2011		Method:SM2320B		Analyst: JAC			
Alkalinity, Bicarbonate (As CaCO3)	128		5.00	5.00	mg/L	1	01-Feb-2023 15:58
Alkalinity, Carbonate (As CaCO3)	73.9		5.00	5.00	mg/L	1	01-Feb-2023 15:58
Alkalinity, Total (As CaCO3)	202		5.00	5.00	mg/L	1	01-Feb-2023 15:58

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

Client: PDC Energy
 Project: Sharp 2635-1-15HC
 Sample ID: 2635-1-15HC B
 Collection Date: 19-Jan-2023 13:05

ANALYTICAL REPORT

WorkOrder:HS23010981
 Lab ID:HS23010981-02
 Matrix:Water

ANALYSES	RESULT	QUAL	MDL	REPORT LIMIT	UNITS	DILUTION FACTOR	DATE ANALYZED
DISSOLVED METALS BY E200.8, REV 5.4, 1994	Method:E200.8 (dissolved)					Prep:E200.8 / 01-Feb-2023	Analyst: JC
Calcium	3,110		0.900	25.0	mg/L	50	03-Feb-2023 13:15
Magnesium	0.213	J	0.0390	2.50	mg/L	5	02-Feb-2023 18:49
Potassium	217		0.165	2.50	mg/L	5	02-Feb-2023 18:49
Sodium	866		0.105	1.00	mg/L	5	02-Feb-2023 18:49

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

Weight / Prep Log

Client: PDC Energy
Project: Sharp 2635-1-15HC
WorkOrder: HS23010981

Batch ID: 188692 **Start Date:** 23 Jan 2023 12:30 **End Date:** 24 Jan 2023 13:00
Method: SW3511 **Prep Code:** 3511_DRO

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23010981-01		32.17 (mL)	2 (mL)	0.06217	40 mL Amber

Batch ID: 188864 **Start Date:** 25 Jan 2023 16:30 **End Date:** 25 Jan 2023 17:00
Method: SAMPLE FILTRATION - 0.45 MICRON FILTER **Prep Code:** FILTRATION

Sample ID	Container	Sample Wt/Vol	Final Volume	Prep Factor	
HS23010981-02		100 (mL)	100 (mL)	1	250 mL plastic, Neat

Batch ID: 189209 **Start Date:** 01 Feb 2023 13:30 **End Date:** 01 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	
HS23010981-02		10 (mL)	10 (mL)	1	250 mL plastic, Neat

Batch ID: 189244 **Start Date:** 02 Feb 2023 08:30 **End Date:** 02 Feb 2023 12:30
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	
HS23010981-01		10 (mL)	10 (mL)	1	250 mL plastic, HNO3 to pH <2

Client: PDC Energy
Project: Sharp 2635-1-15HC
WorkOrder: HS23010981

DATES REPORT

Sample ID	Client Samp ID	Collection Date	Leachate Date	Prep Date	Analysis Date	DF
Batch ID: 188692 (1)		Test Name : TPH DRO/ORO BY SW8015C			Matrix: Water	
HS23010981-01	2635-1-15HC A	19 Jan 2023 13:05		23 Jan 2023 08:41	25 Jan 2023 15:29	100
Batch ID: 189209 (0)		Test Name : DISSOLVED METALS BY E200.8, REV 5.4, 1994			Matrix: Water	
HS23010981-02	2635-1-15HC B	19 Jan 2023 13:05		01 Feb 2023 13:30	03 Feb 2023 13:15	50
HS23010981-02	2635-1-15HC B	19 Jan 2023 13:05		01 Feb 2023 13:30	02 Feb 2023 18:49	5
Batch ID: 189244 (0)		Test Name : TOTAL METALS BY E200.8, REV 5.4, 1994			Matrix: Water	
HS23010981-01	2635-1-15HC A	19 Jan 2023 13:05		02 Feb 2023 08:30	03 Feb 2023 13:21	500
HS23010981-01	2635-1-15HC A	19 Jan 2023 13:05		02 Feb 2023 08:30	02 Feb 2023 22:00	5
Batch ID: R426417 (0)		Test Name : GASOLINE RANGE ORGANICS BY SW8015C			Matrix: Water	
HS23010981-01	2635-1-15HC A	19 Jan 2023 13:05			24 Jan 2023 10:25	500
Batch ID: R426468 (0)		Test Name : LOW LEVEL VOLATILES BY SW8260C			Matrix: Water	
HS23010981-01	2635-1-15HC A	19 Jan 2023 13:05			25 Jan 2023 06:42	500
Batch ID: R426549 (0)		Test Name : DISSOLVED GASES BY RSK-175			Matrix: Water	
HS23010981-01	2635-1-15HC A	19 Jan 2023 13:05			25 Jan 2023 13:05	10
HS23010981-01	2635-1-15HC A	19 Jan 2023 13:05			25 Jan 2023 12:05	1
Batch ID: R426686 (0)		Test Name : TOTAL DISSOLVED SOLIDS BY SM2540C-2011			Matrix: Water	
HS23010981-01	2635-1-15HC A	19 Jan 2023 13:05			26 Jan 2023 10:30	1
Batch ID: R427083 (0)		Test Name : ANIONS BY E300.0, REV 2.1, 1993			Matrix: Water	
HS23010981-01	2635-1-15HC A	19 Jan 2023 13:05			01 Feb 2023 12:11	100
HS23010981-01	2635-1-15HC A	19 Jan 2023 13:05			01 Feb 2023 12:05	50
Batch ID: R427120 (0)		Test Name : ALKALINITY BY SM 2320B-2011			Matrix: Water	
HS23010981-01	2635-1-15HC A	19 Jan 2023 13:05			01 Feb 2023 15:58	1

Client: PDC Energy
Project: Sharp 2635-1-15HC
WorkOrder: HS23010981

QC BATCH REPORT

Batch ID: 188692 (1)	Instrument: FID-16	Method: TPH DRO/ORO BY SW8015C
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MBLK	Sample ID: MBLK-188692	Units: mg/L	Analysis Date: 25-Jan-2023 12:04							
Client ID:	Run ID: FID-16_426538	SeqNo: 7088875	PrepDate: 23-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>0.05837</i>	<i>0.0050</i>	<i>0.06</i>	<i>0</i>	<i>97.3</i>	<i>60 - 135</i>				

LCS	Sample ID: LCS-188692	Units: mg/L	Analysis Date: 25-Jan-2023 12:33							
Client ID:	Run ID: FID-16_426538	SeqNo: 7088876	PrepDate: 23-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)	0.6517	0.050	0.6	0	109	70 - 130				
<i>Surr: 2-Fluorobiphenyl</i>	<i>0.06986</i>	<i>0.0050</i>	<i>0.06</i>	<i>0</i>	<i>116</i>	<i>60 - 135</i>				

LCSD	Sample ID: LCSD-188692	Units: mg/L	Analysis Date: 25-Jan-2023 13:02							
Client ID:	Run ID: FID-16_426538	SeqNo: 7088877	PrepDate: 23-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)	0.7045	0.050	0.6	0	117	70 - 130	0.6517	7.79	20	
<i>Surr: 2-Fluorobiphenyl</i>	<i>0.06916</i>	<i>0.0050</i>	<i>0.06</i>	<i>0</i>	<i>115</i>	<i>60 - 135</i>	<i>0.06986</i>	<i>1.01</i>	<i>20</i>	

The following samples were analyzed in this batch: HS23010981-01

Client: PDC Energy
Project: Sharp 2635-1-15HC
WorkOrder: HS23010981

QC BATCH REPORT

Batch ID: R426549 (0) **Instrument:** FID-4 **Method:** DISSOLVED GASES BY RSK-175

MBLK		Sample ID: MBLK-230125		Units: ug/L		Analysis Date: 25-Jan-2023 10:09				
Client ID:		Run ID: FID-4_426549		SeqNo: 7089097		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-230125		Units: ug/L		Analysis Date: 25-Jan-2023 10:23				
Client ID:		Run ID: FID-4_426549		SeqNo: 7089098		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ethane	19.35	1.00	18.04	0	107	75 - 125				
Methane	10.53	0.500	9.647	0	109	75 - 125				
Propane	31.83	1.00	26.46	0	120	75 - 125				

LCSD		Sample ID: LCSD-230125		Units: ug/L		Analysis Date: 25-Jan-2023 10:37				
Client ID:		Run ID: FID-4_426549		SeqNo: 7089099		PrepDate:		DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Ethane	20.23	1.00	18.04	0	112	75 - 125	19.35	4.45	30	
Methane	9.628	0.500	9.647	0	99.8	75 - 125	10.53	8.96	30	
Propane	31.53	1.00	26.46	0	119	75 - 125	31.83	0.94	30	

The following samples were analyzed in this batch: HS23010981-01

Client: PDC Energy
Project: Sharp 2635-1-15HC
WorkOrder: HS23010981

QC BATCH REPORT

Batch ID: R426417 (0)		Instrument: FID-20		Method: GASOLINE RANGE ORGANICS BY SW8015C					
MBLK	Sample ID: MBLK-230124	Units: mg/L			Analysis Date: 24-Jan-2023 09:31				
Client ID:	Run ID: FID-20_426417	SeqNo: 7085923		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>	0.09042	0.00500	0.1	0	90.4	70 - 121			

LCS	Sample ID: LCS-230124	Units: mg/L			Analysis Date: 24-Jan-2023 09:04				
Client ID:	Run ID: FID-20_426417	SeqNo: 7085921		PrepDate:			DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual

Gasoline Range Organics	1.109	0.0500	1	0	111	76 - 124			
<i>Surr: 4-Bromofluorobenzene</i>	0.07685	0.00500	0.1	0	76.9	52 - 138			

LCSD	Sample ID: LCSD-230124	Units: mg/L			Analysis Date: 24-Jan-2023 09:18				
Client ID:	Run ID: FID-20_426417	SeqNo: 7085922		PrepDate:			DF: 1		
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual

Gasoline Range Organics	0.96	0.0500	1	0	96.0	76 - 124	1.109	14.4	20
<i>Surr: 4-Bromofluorobenzene</i>	0.07235	0.00500	0.1	0	72.3	52 - 138	0.07685	6.04	20

The following samples were analyzed in this batch: HS23010981-01

Client: PDC Energy
Project: Sharp 2635-1-15HC
WorkOrder: HS23010981

QC BATCH REPORT

Batch ID: 189209 (0) **Instrument:** ICPMS06 **Method:** DISSOLVED METALS BY E200.8, REV 5.4, 1994 (DISSOLVED)

MBLK Sample ID: **MBLK2-189209** Units: **ug/L** Analysis Date: **02-Feb-2023 18:14**
 Client ID: Run ID: **ICPMS06_427135** SeqNo: **7105339** PrepDate: **01-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	13.88	500								J
Potassium	U	500								
Sodium	70.31	200								J

MBLK Sample ID: **MBLK1-189209** Units: **ug/L** Analysis Date: **02-Feb-2023 18:12**
 Client ID: Run ID: **ICPMS06_427135** SeqNo: **7105338** PrepDate: **01-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	14.44	500								J
Potassium	U	500								
Sodium	51.87	200								J

MBLK Sample ID: **MBLK-189209** Units: **ug/L** Analysis Date: **02-Feb-2023 18:09**
 Client ID: Run ID: **ICPMS06_427135** SeqNo: **7105337** PrepDate: **01-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	13.79	500								J
Potassium	U	500								
Sodium	47.02	200								J

LCS Sample ID: **LCS-189209** Units: **ug/L** Analysis Date: **02-Feb-2023 18:16**
 Client ID: Run ID: **ICPMS06_427135** SeqNo: **7105340** PrepDate: **01-Feb-2023** DF: **1**
 Analyte Result PQL SPK Val SPK Ref Value %REC Control Limit RPD Ref Value %RPD RPD Limit Qual

Calcium	4558	500	5000	0	91.2	85 - 115				
Magnesium	4982	500	5000	0	99.6	85 - 115				
Potassium	4786	500	5000	0	95.7	85 - 115				
Sodium	4908	200	5000	0	98.2	85 - 115				

Client: PDC Energy
Project: Sharp 2635-1-15HC
WorkOrder: HS23010981

QC BATCH REPORT

Batch ID: 189209 (0)		Instrument: ICPMS06		Method: DISSOLVED METALS BY E200.8, REV 5.4, 1994 (DISSOLVED)						
MS	Sample ID: HS23010971-02MS	Units: ug/L			Analysis Date: 02-Feb-2023 18:40					
Client ID:	Run ID: ICPMS06_427135	SeqNo: 7105347		PrepDate: 01-Feb-2023		DF: 5				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	2681000	2500	5000	2588000	1860	85 - 115				SEO
Magnesium	5460	2500	5000	131.5	107	85 - 115				
Potassium	334000	2500	5000	320900	262	85 - 115				SO
Sodium	594900	1000	5000	580400	290	85 - 115				SO

MSD	Sample ID: HS23010971-02MSD	Units: ug/L			Analysis Date: 02-Feb-2023 18:42					
Client ID:	Run ID: ICPMS06_427135	SeqNo: 7105348		PrepDate: 01-Feb-2023		DF: 5				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	2619000	2500	5000	2588000	610	85 - 115	2681000	2.36	20	SEO
Magnesium	5386	2500	5000	131.5	105	85 - 115	5460	1.37	20	
Potassium	325400	2500	5000	320900	90.3	85 - 115	334000	2.61	20	O
Sodium	576400	1000	5000	580400	-78.8	85 - 115	594900	3.15	20	SO

The following samples were analyzed in this batch: HS23010981-02

Client: PDC Energy
Project: Sharp 2635-1-15HC
WorkOrder: HS23010981

QC BATCH REPORT

Batch ID: 189244 (0)		Instrument: ICPMS06		Method: TOTAL METALS BY E200.8, REV 5.4, 1994						
MBLK	Sample ID: MBLK-189244	Units: ug/L			Analysis Date: 02-Feb-2023 21:36					
Client ID:	Run ID: ICPMS06_427135	SeqNo: 7105456		PrepDate: 02-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	12.24	500							J	
Potassium	U	500								
Sodium	U	200								
LCS	Sample ID: LCS-189244	Units: ug/L			Analysis Date: 02-Feb-2023 21:38					
Client ID:	Run ID: ICPMS06_427135	SeqNo: 7105457		PrepDate: 02-Feb-2023		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual	
Calcium	5066	500	5000	0	101	85 - 115				
Magnesium	5160	500	5000	0	103	85 - 115				
Potassium	5098	500	5000	0	102	85 - 115				
Sodium	4941	200	5000	0	98.8	85 - 115				
MS	Sample ID: HS23011317-01MS	Units: ug/L			Analysis Date: 02-Feb-2023 21:48					
Client ID:	Run ID: ICPMS06_427135	SeqNo: 7105462		PrepDate: 02-Feb-2023		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual	
Calcium	99740	500	5000	96870	57.5	70 - 130			SO	
Magnesium	18190	500	5000	13120	101	70 - 130				
Potassium	28260	500	5000	23500	95.1	70 - 130			O	
Sodium	415300	200	5000	425000	-195	70 - 130			SEO	
MS	Sample ID: HS23011125-01MS	Units: ug/L			Analysis Date: 02-Feb-2023 21:42					
Client ID:	Run ID: ICPMS06_427135	SeqNo: 7105459		PrepDate: 02-Feb-2023		DF: 1				
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual	
Calcium	138000	500	5000	131000	142	70 - 130			SO	
Magnesium	23250	500	5000	18310	98.8	70 - 130				
Potassium	34660	500	5000	29490	103	70 - 130			O	
Sodium	171200	200	5000	167500	73.7	70 - 130			O	

Client: PDC Energy
Project: Sharp 2635-1-15HC
WorkOrder: HS23010981

QC BATCH REPORT

Batch ID: 189244 (0) **Instrument:** ICPMS06 **Method:** TOTAL METALS BY E200.8, REV 5.4, 1994

MSD		Sample ID: HS23011317-01MSD			Units: ug/L		Analysis Date: 02-Feb-2023 21:50			
Client ID:		Run ID: ICPMS06_427135			SeqNo: 7105463		PrepDate: 02-Feb-2023		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	98420	500	5000	96870	31.1	70 - 130	99740	1.33	20	SO
Magnesium	18260	500	5000	13120	103	70 - 130	18190	0.409	20	
Potassium	28590	500	5000	23500	102	70 - 130	28260	1.16	20	O
Sodium	418100	200	5000	425000	-138	70 - 130	415300	0.687	20	SEO

MSD		Sample ID: HS23011125-01MSD			Units: ug/L		Analysis Date: 02-Feb-2023 21:44			
Client ID:		Run ID: ICPMS06_427135			SeqNo: 7105460		PrepDate: 02-Feb-2023		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Calcium	136900	500	5000	131000	119	70 - 130	138000	0.835	20	O
Magnesium	23320	500	5000	18310	100	70 - 130	23250	0.315	20	
Potassium	34790	500	5000	29490	106	70 - 130	34660	0.359	20	O
Sodium	172900	200	5000	167500	108	70 - 130	171200	0.99	20	O

The following samples were analyzed in this batch: HS23010981-01

Client: PDC Energy
Project: Sharp 2635-1-15HC
WorkOrder: HS23010981

QC BATCH REPORT

Batch ID: R426468 (0) **Instrument:** VOA7 **Method:** LOW LEVEL VOLATILES BY SW8260C

MBLK		Sample ID: VBLKW-230124		Units: ug/L		Analysis Date: 24-Jan-2023 23:34			
Client ID:		Run ID: VOA7_426468		SeqNo: 7087249		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>49.56</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>99.1</i>	<i>70 - 123</i>			
<i>Surr: 4-Bromofluorobenzene</i>	<i>49</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>98.0</i>	<i>77 - 113</i>			
<i>Surr: Dibromofluoromethane</i>	<i>48.75</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>97.5</i>	<i>73 - 126</i>			
<i>Surr: Toluene-d8</i>	<i>49.63</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>99.3</i>	<i>81 - 120</i>			

LCS		Sample ID: VLCSW-230124		Units: ug/L		Analysis Date: 24-Jan-2023 22:51			
Client ID:		Run ID: VOA7_426468		SeqNo: 7087248		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit Qual
Benzene	18.89	1.0	20	0	94.4	74 - 120			
Ethylbenzene	20.37	1.0	20	0	102	77 - 117			
m,p-Xylene	40.17	2.0	40	0	100	77 - 122			
o-Xylene	20.14	1.0	20	0	101	75 - 119			
Toluene	19.38	1.0	20	0	96.9	77 - 118			
Xylenes, Total	60.31	1.0	60	0	101	75 - 122			
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>49.9</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>50.46</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>101</i>	<i>77 - 113</i>			
<i>Surr: Dibromofluoromethane</i>	<i>47.86</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>95.7</i>	<i>73 - 126</i>			
<i>Surr: Toluene-d8</i>	<i>49.55</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>99.1</i>	<i>81 - 120</i>			

Client: PDC Energy
Project: Sharp 2635-1-15HC
WorkOrder: HS23010981

QC BATCH REPORT

Batch ID: R426468 (0)		Instrument: VOA7		Method: LOW LEVEL VOLATILES BY SW8260C						
MS	Sample ID: HS23011081-03MS	Units: ug/L			Analysis Date: 25-Jan-2023 07:03					
Client ID:	Run ID: VOA7_426468	SeqNo: 7087270		PrepDate:			DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	105.1	1.0	20	80.1	125	70 - 127				O
Ethylbenzene	22.65	1.0	20	2.313	102	70 - 124				
m,p-Xylene	55.8	2.0	40	14.51	103	70 - 130				
o-Xylene	22.1	1.0	20	2.087	100	70 - 124				
Toluene	23.81	1.0	20	4.519	96.5	70 - 123				
Xylenes, Total	77.89	1.0	60	16.6	102	70 - 130				
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>49.46</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>98.9</i>	<i>70 - 126</i>				
<i>Surr: 4-Bromofluorobenzene</i>	<i>51.52</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>103</i>	<i>77 - 113</i>				
<i>Surr: Dibromofluoromethane</i>	<i>48.61</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>97.2</i>	<i>77 - 123</i>				
<i>Surr: Toluene-d8</i>	<i>49.5</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>99.0</i>	<i>82 - 127</i>				

MSD	Sample ID: HS23011081-03MSD	Units: ug/L			Analysis Date: 25-Jan-2023 07:25					
Client ID:	Run ID: VOA7_426468	SeqNo: 7087271		PrepDate:			DF: 1			
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Benzene	103.4	1.0	20	80.1	117	70 - 127	105.1	1.55	20	O
Ethylbenzene	22.33	1.0	20	2.313	100	70 - 124	22.65	1.4	20	
m,p-Xylene	55.39	2.0	40	14.51	102	70 - 130	55.8	0.733	20	
o-Xylene	22.09	1.0	20	2.087	100	70 - 124	22.1	0.0171	20	
Toluene	23.63	1.0	20	4.519	95.5	70 - 123	23.81	0.781	20	
Xylenes, Total	77.48	1.0	60	16.6	101	70 - 130	77.89	0.529	20	
<i>Surr: 1,2-Dichloroethane-d4</i>	<i>46.82</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>93.6</i>	<i>70 - 126</i>	<i>49.46</i>	<i>5.48</i>	<i>20</i>	
<i>Surr: 4-Bromofluorobenzene</i>	<i>50.58</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>101</i>	<i>77 - 113</i>	<i>51.52</i>	<i>1.82</i>	<i>20</i>	
<i>Surr: Dibromofluoromethane</i>	<i>47.97</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>95.9</i>	<i>77 - 123</i>	<i>48.61</i>	<i>1.33</i>	<i>20</i>	
<i>Surr: Toluene-d8</i>	<i>49.58</i>	<i>1.0</i>	<i>50</i>	<i>0</i>	<i>99.2</i>	<i>82 - 127</i>	<i>49.5</i>	<i>0.159</i>	<i>20</i>	

The following samples were analyzed in this batch: HS23010981-01

Client: PDC Energy
Project: Sharp 2635-1-15HC
WorkOrder: HS23010981

QC BATCH REPORT

Batch ID: R426686 (0)		Instrument: Balance1		Method: TOTAL DISSOLVED SOLIDS BY SM2540C-2011						
MBLK	Sample ID: WBLK-01262023	Units: mg/L		Analysis Date: 26-Jan-2023 10:30						
Client ID:	Run ID: Balance1_426686	SeqNo: 7092159		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-01262023	Units: mg/L		Analysis Date: 26-Jan-2023 10:30						
Client ID:	Run ID: Balance1_426686	SeqNo: 7092158		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)		1072	10.0	1000	0	107	85 - 115			
DUP	Sample ID: HS23011077-08DUP	Units: mg/L		Analysis Date: 26-Jan-2023 10:30						
Client ID:	Run ID: Balance1_426686	SeqNo: 7092154		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)		10	10.0				10	0	5	J
DUP	Sample ID: HS23011077-03DUP	Units: mg/L		Analysis Date: 26-Jan-2023 10:30						
Client ID:	Run ID: Balance1_426686	SeqNo: 7092148		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)		362	10.0				362	0	5	

The following samples were analyzed in this batch: HS23010981-01

Client: PDC Energy
Project: Sharp 2635-1-15HC
WorkOrder: HS23010981

QC BATCH REPORT

Batch ID: R427083 (0)		Instrument: ICS-Integrion			Method: ANIONS BY E300.0, REV 2.1, 1993					
MBLK	Sample ID: MBLK	Units: mg/L			Analysis Date: 01-Feb-2023 11:30					
Client ID:		Run ID: ICS-Integrion_427083			SeqNo: 7102233		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								
Sulfate	U	0.500								
LCS	Sample ID: LCS	Units: mg/L			Analysis Date: 01-Feb-2023 11:36					
Client ID:		Run ID: ICS-Integrion_427083			SeqNo: 7102234		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	20.4	0.500	20	0	102	90 - 110				
Sulfate	20.91	0.500	20	0	105	90 - 110				
MS	Sample ID: HS23011120-13MS	Units: mg/L			Analysis Date: 01-Feb-2023 14:47					
Client ID:		Run ID: ICS-Integrion_427083			SeqNo: 7102260		PrepDate:		DF: 10	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	397.5	5.00	100	305.5	92.0	80 - 120				
Sulfate	427.4	5.00	100	341.9	85.5	80 - 120				
MS	Sample ID: HS23011120-03MS	Units: mg/L			Analysis Date: 01-Feb-2023 13:08					
Client ID:		Run ID: ICS-Integrion_427083			SeqNo: 7102246		PrepDate:		DF: 1	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	51.69	0.500	10	43.02	86.7	80 - 120				O
Sulfate	102.7	0.500	10	97.3	53.6	80 - 120				SEO
MSD	Sample ID: HS23011120-13MSD	Units: mg/L			Analysis Date: 01-Feb-2023 14:53					
Client ID:		Run ID: ICS-Integrion_427083			SeqNo: 7102261		PrepDate:		DF: 10	
Analyte	Result	PQL	SPK Val	SPK Ref Value	%REC	Control Limit	RPD Ref Value	%RPD	RPD Limit	Qual
Chloride	388.5	5.00	100	305.5	83.0	80 - 120	397.5	2.29	20	
Sulfate	417.3	5.00	100	341.9	75.4	80 - 120	427.4	2.4	20	S

Client: PDC Energy
 Project: Sharp 2635-1-15HC
 WorkOrder: HS23010981

QC BATCH REPORT

Batch ID: R427083 (0) Instrument: ICS-Integrion Method: ANIONS BY E300.0, REV 2.1, 1993

MSD Sample ID: HS23011120-03MSD Units: mg/L Analysis Date: 01-Feb-2023 13:14
 Client ID: Run ID: ICS-Integrion_427083 SeqNo: 7102247 PrepDate: DF: 1
 Analyte Result PQL SPK Val SPK Ref Value %REC Control Limit RPD Ref Value %RPD RPD Limit Qual

Chloride	52.05	0.500	10	43.02	90.4	80 - 120	51.69	0.704	20	O
Sulfate	103.5	0.500	10	97.3	62.4	80 - 120	102.7	0.857	20	SEO

The following samples were analyzed in this batch: HS23010981-01

Client: PDC Energy
Project: Sharp 2635-1-15HC
WorkOrder: HS23010981

QC BATCH REPORT

Batch ID: R427120 (0)	Instrument: ManTech01	Method: ALKALINITY BY SM 2320B-2011
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MBLK	Sample ID: WBLKW1-020123	Units: mg/L	Analysis Date: 01-Feb-2023 15:31							
Client ID:	Run ID: ManTech01_427120	SeqNo: 7103340	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, Total (As CaCO3)	U	5.00								

LCS	Sample ID: LCS1-020123	Units: mg/L	Analysis Date: 01-Feb-2023 15:40							
Client ID:	Run ID: ManTech01_427120	SeqNo: 7103341	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)	1039	5.00	1000	0	104	85 - 115				
Alkalinity, Total (As CaCO3)	1063	5.00	1000	0	106	85 - 115				

LCSD	Sample ID: LCSD1-020123	Units: mg/L	Analysis Date: 01-Feb-2023 15:49							
Client ID:	Run ID: ManTech01_427120	SeqNo: 7103342	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)	1042	5.00	1000	0	104	85 - 115	1039	0.285	20	
Alkalinity, Total (As CaCO3)	1064	5.00	1000	0	106	85 - 115	1063	0.0169	20	

DUP	Sample ID: HS23010981-01DUP	Units: mg/L	Analysis Date: 01-Feb-2023 16:06							
Client ID: 2635-1-15HC A	Run ID: ManTech01_427120	SeqNo: 7103344	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)	129	5.00					128.2	0.646	20	
Alkalinity, Carbonate (As CaCO3)	76.11	5.00					73.92	2.92	20	
Alkalinity, Total (As CaCO3)	205.1	5.00					202.1	1.48	20	

The following samples were analyzed in this batch: HS23010981-01

Client: PDC Energy
Project: Sharp 2635-1-15HC
WorkOrder: HS23010981

**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: HS23010981

Date/Time Received: 20-Jan-2023 10:10

Client Name: PDC Energy 80620

Received by: Corey Grandits

Completed By: /S/ Malcolm Burluson	20-Jan-2023 14:08	Reviewed by: /S/ Tyler Monroe	20-Jan-2023 16:33
eSignature	Date/Time	eSignature	Date/Time

Matrices: water

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):	4.0uc 3.5c	ir31
Cooler(s)/Kit(s):	sm Blue	
Date/Time sample(s) sent to storage:	01202023 1010	

- 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: Extra 1 liter recieved

Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

Corrective Action:



Chain of Custody Form

Page _____ of _____

HS23010981

PDC Energy
Sharp 2635 -1-ISHC



ALS Project Manager: _____

Customer Information		Project Information		Parameters	
Purchase Order		Project Name	Sharp 2635-1-ISHC	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	2635-1-ISHC A	1/19/23	13:05	W	8	3	X										
2	2635-1-ISHC A			W	1	3		X									
3	2635-1-ISHC A			W	1	3			X								
4	2635-1-ISHC A			W	1	3				X							
5	2635-1-ISHC A			W	8	1					X						
6	2635-1-ISHC B			W	8	1						X					
7	2635-1-ISHC A			W	2	1							X				
8																	
9																	
10																	

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

Relinquished by: <u>[Signature]</u>	Date: 1/19/23	Time: 13:45	Received by: <u>[Signature]</u>	Notes: 4M ALVC	Facility ID: 454230 (R21)
Relinquished by: <u>[Signature]</u>	Date: 1/19/23	Time: 1555	Received by (Laboratory): <u>[Signature]</u>	Cooler Temp. 4.00	QC Package: (Check Box Below)
Logged by (Laboratory):	Date:	Time:	Checked by (Laboratory):		<input checked="" type="checkbox"/> Level II: Standard QC <input type="checkbox"/> TRRP-Checklist
					<input type="checkbox"/> Level III: Std QC + Raw Data <input type="checkbox"/> TRRP Level IV
					<input type="checkbox"/> 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

TRK# 6182 5243 5257
0201

FRI - 20 JAN 10:30A
PRIORITY OVERNIGHT

XA SGRA

77099
TX-US IAH

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