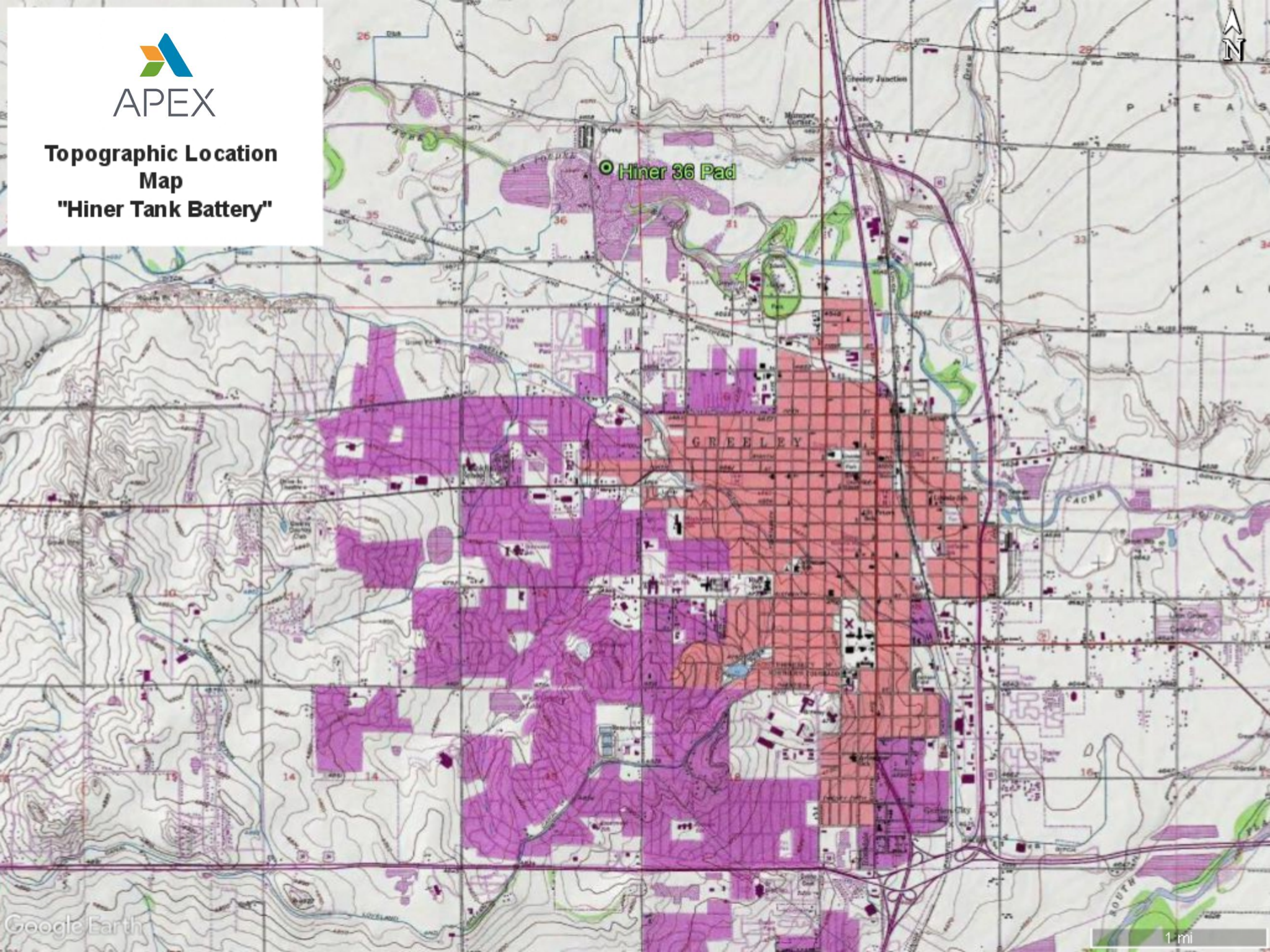
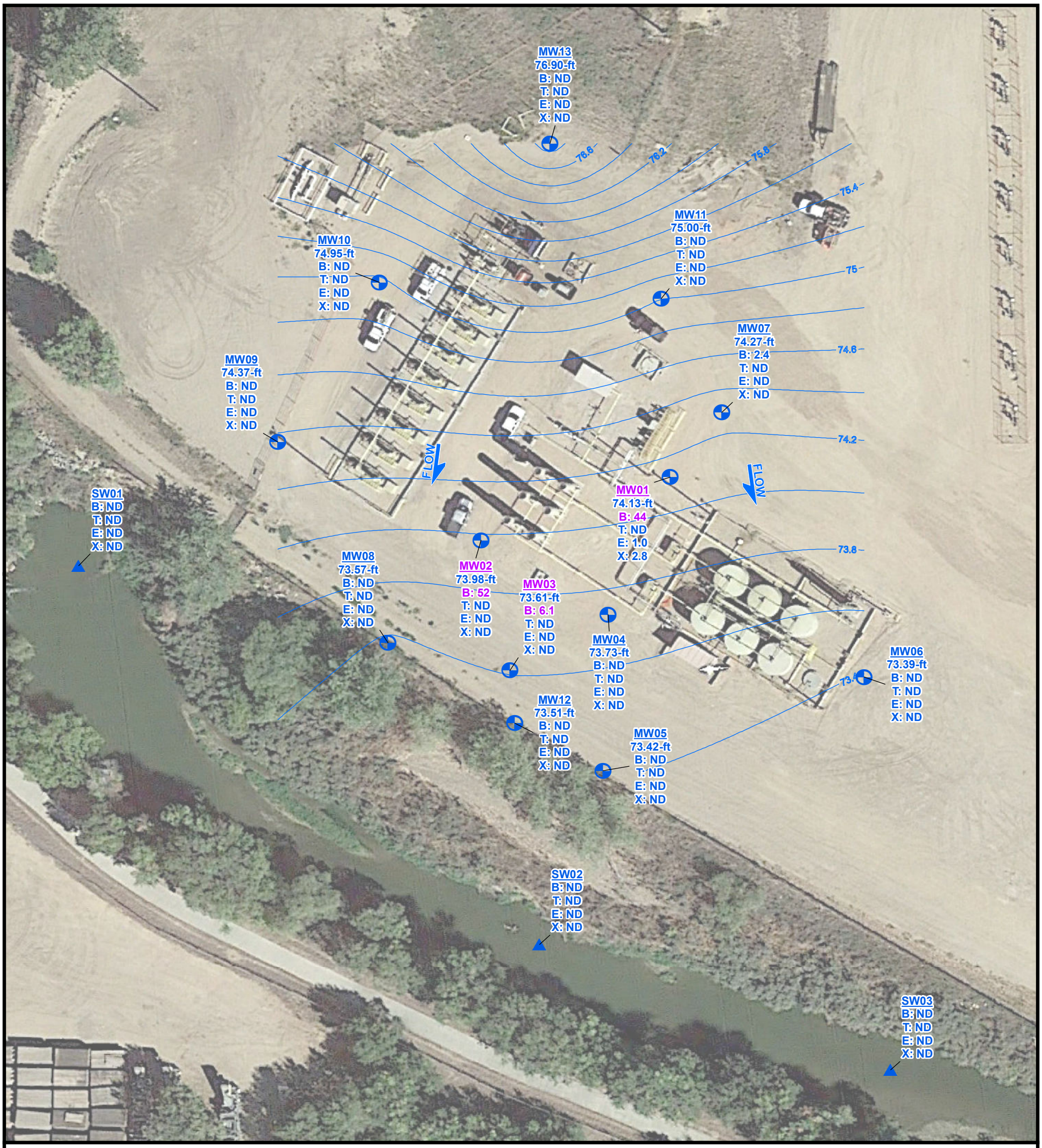
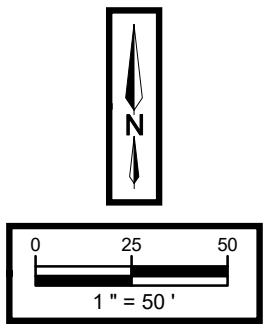

APEX
Topographic Location Map
"Hiner Tank Battery"
Hiner 36 Pad
GREELEY
N
1 mi
Google Earth



Extraction Oil & Gas

Hiner 36 Tank Battery
COGCC Location ID: 446538
Temporary Monitoring Well Layout & GW Elevations for the 8/19/2020 Sampling Event

Legal Description: NENE, Sec 36, T6N R66W
County: Weld
Land Use: Non-Cropland
Topography: Not Available
Run-Off Risk: Low
Soil Type: Aquolls and Aquents
Receiving Waters: Cache la Poudre River



MW01
80.60-ft
Temp. Monitoring Well Location & Relative GW Elevation

FLOW
Estimated Groundwater Flow Direction

Estimated Groundwater Contour

Surface Water Sample

*** Sample ID in Purple font indicates a regulatory exceedance.**

*** Concentration Units in ug/L**
*** ND - Non-Detect**

Sample ID	Latitude NAD83	Longitude NAD83	Sample ID	Latitude NAD83	Longitude NAD83
GW01	40.449073	-104.719683	GW09	40.448991	-104.720012
GW02	40.448991	-104.720012	GW10	40.448818	-104.719963
GW03	40.448818	-104.719963	GW11	40.448891	-104.719792
GW04	40.448891	-104.719792	GW12	40.448684	-104.719802
GW05	40.448684	-104.719802	GW13	40.448807	-104.719347
GW06	40.448807	-104.719347	SW01	40.448958	-104.720712
GW07	40.449160	-104.719593	SW02	40.448454	-104.719913
GW08	40.449073	-104.719683	SW03	40.448285	-104.719303

Spatial data collected for this project was acquired using a GPS with submeter accuracy. Illustration discrepancies may be present in this diagram due to the inherent limitations of data accuracy for both project data and the underlying aerial imagery. To accurately reflect field conditions, illustrated data may have been manually corrected in order to fit with the aerial imagery reference points and other collected data points.

M:\Projects\Extraction_Oil_Gas\Remediation\Hiner_36_Tank_Battery\Hiner_36_TB_GW_2020Q3_20200918.mxd Modified 9/21/2020 by beau.bergstrom Apex Companies, LLC NAD 1983 UTM Zone 13N Coordinate System Service Layer Credits: Google Earth

Laboratory Results Summary Table - Groundwater
2019

			Organic Compounds (µg/L)			
COGCC Allowable Concentration (Water)			5	1,000	700	10,000
Location	Sample Date	Sample ID	Benzene	Toluene	Ethylbenzene	Xylenes - total
Hiner 36 Pad	6/10/19	BH01	**160**	11	39	150
Hiner 36 Pad	6/10/19	BH02	*<1.00*	*<1.00*	*<1.00*	*<2.00*
Hiner 36 Pad	6/10/19	BH03	1.9	*<1.00*	1.8	*<2.00*
Hiner 36 Pad	6/10/19	BH04	**280**	*<1.00*	9.3	*<2.00*
Hiner 36 Pad	7/10/19	BH05	**38**	*<1.00*	*<1.00*	*<2.00*
Hiner 36 Pad	7/10/19	BH06	*<1.00*	*<1.00*	*<1.00*	*<2.00*
Hiner 36 Pad	7/10/19	BH07	*<1.00*	*<1.00*	*<1.00*	*<2.00*
Hiner 36 Pad	8/8/19	BH01	**29**	*<1.00*	*<1.00*	*<2.00*
Hiner 36 Pad	8/8/19	BH02	*<1.00*	*<1.00*	*<1.00*	*<2.00*
Hiner 36 Pad	8/8/19	BH03	**7.6**	*<1.00*	*<1.00*	*<2.00*
Hiner 36 Pad	8/8/19	BH04	*<1.00*	*<1.00*	*<1.00*	*<2.00*
Hiner 36 Pad	8/8/19	BH05	*<1.00*	*<1.00*	*<1.00*	*<2.00*
Hiner 36 Pad	8/8/19	BH06	*<1.00*	*<1.00*	*<1.00*	*<2.00*
Hiner 36 Pad	8/8/19	BH07	**7.9**	*<1.00*	*<1.00*	*<2.00*
Hiner 36 Pad	8/8/19	SW01	*<1.00*	*<1.00*	*<1.00*	*<2.00*
Hiner 36 Pad	8/8/19	SW02	*<1.00*	*<1.00*	*<1.00*	*<2.00*
Hiner 36 Pad	8/8/19	SW03	*<1.00*	*<1.00*	*<1.00*	*<2.00*
Hiner 36 Pad	11/5/19	BH01	**20**	*<1.00*	*<1.00*	*<2.00*
Hiner 36 Pad	11/5/19	BH02	*<1.00*	*<1.00*	*<1.00*	*<2.00*
Hiner 36 Pad	11/5/19	BH03	3	*<1.00*	*<1.00*	*<2.00*
Hiner 36 Pad	11/5/19	BH04	*<1.00*	*<1.00*	*<1.00*	*<2.00*
Hiner 36 Pad	11/5/19	BH05	*<1.00*	*<1.00*	*<1.00*	*<2.00*
Hiner 36 Pad	11/5/19	BH06	*<1.00*	*<1.00*	*<1.00*	*<2.00*
Hiner 36 Pad	11/5/19	BH07	2.2	*<1.00*	*<1.00*	*<2.00*

Orange Highlight - Exceedance

Grey Highlight - Below Detection Limit

µg/L - micrograms per liter

Apex Companies, LLC.
1746 Cole Blvd., Suite 250
Lakewood, CO 80401

Laboratory Results Summary Table - Groundwater
Q1 & Q2 2020

			Organic Compounds (µg/L)			
COGCC Allowable Concentration (Water)			5	1,000	700	10,000
Location	Sample Date	Sample ID	Benzene	Toluene	Ethylbenzene	Xylenes - total
Hiner 36 Pad	2/21/20	**BH01**	**21**	*<1.0*	*<1.0*	*<2.0*
Hiner 36 Pad	2/21/20	**BH02**	**540**	130	9.4	63
Hiner 36 Pad	2/21/20	**BH03**	**700**	100	*<1.0*	*<2.0*
Hiner 36 Pad	2/21/20	**BH04**	**35**	1.6	*<1.0*	*<2.0*
Hiner 36 Pad	2/21/20	**BH05**	*<1.0*	*<1.0*	*<1.0*	*<2.0*
Hiner 36 Pad	2/21/20	**BH06**	*<1.0*	*<1.0*	*<1.0*	*<2.0*
Hiner 36 Pad	2/21/20	**BH07**	*<1.0*	*<1.0*	*<1.0*	*<2.0*
Hiner 36 Pad	5/12/20	**BH01**	**96**	*<1.0*	4.1	7.9
Hiner 36 Pad	5/12/20	**BH02**	**59**	*<1.0*	*<1.0*	*<2.0*
Hiner 36 Pad	5/12/20	**BH03**	*<1.0*	1.4	1.6	*<2.0*
Hiner 36 Pad	5/12/20	**BH04**	**25**	*<1.0*	*<1.0*	*<2.0*
Hiner 36 Pad	5/12/20	**BH05**	1.7	*<1.0*	*<1.0*	*<2.0*
Hiner 36 Pad	5/12/20	**BH06**	*<1.0*	*<1.0*	*<1.0*	*<2.0*
Hiner 36 Pad	5/12/20	**BH07**	**25**	*<1.0*	*<1.0*	*<2.0*
Hiner 36 Pad	5/12/20	**BH08**	**9.4**	*<1.0*	*<1.0*	*<2.0*
Hiner 36 Pad	5/12/20	**BH09**	*<1.0*	*<1.0*	*<1.0*	*<2.0*
Hiner 36 Pad	5/12/20	**BH10**	*<1.0*	*<1.0*	*<1.0*	*<2.0*
Hiner 36 Pad	5/12/20	**BH11**	*<1.0*	*<1.0*	*<1.0*	*<2.0*
Hiner 36 Pad	5/12/20	**BH12**	**170**	*<1.0*	*<1.0*	*<2.0*
Hiner 36 Pad	5/12/20	**BH13**	*<1.0*	*<1.0*	*<1.0*	*<2.0*

Orange Highlight - Exceedance

Grey Highlight - Below Detection Limit

µg/L - micrograms per liter

Apex Companies, LLC.
1746 Cole Blvd., Suite 250
Lakewood, CO 80401

Laboratory Results Summary Table - Groundwater
Q3 2020

			Organic Compounds (µg/L)			
COGCC Allowable Concentration (Water)			5	1,000	700	10,000
Location	Sample Date	Sample ID	Benzene	Toluene	Ethylbenzene	Xylenes - total
Hiner 36 Pad	8/19/20	MW01	**44**	*<1.0*	1.0	2.8
Hiner 36 Pad	8/19/20	MW02	**52**	*<1.0*	*<1.0*	*<2.0*
Hiner 36 Pad	8/19/20	MW03	**6.1**	*<1.0*	*<1.0*	*<2.0*
Hiner 36 Pad	8/19/20	MW04	*<1.0*	*<1.0*	*<1.0*	*<2.0*
Hiner 36 Pad	8/19/20	MW05	*<1.0*	*<1.0*	*<1.0*	*<2.0*
Hiner 36 Pad	8/19/20	MW06	*<1.0*	*<1.0*	*<1.0*	*<2.0*
Hiner 36 Pad	8/19/20	MW07	2.4	*<1.0*	*<1.0*	*<2.0*
Hiner 36 Pad	8/19/20	MW08	*<1.0*	*<1.0*	*<1.0*	*<2.0*
Hiner 36 Pad	8/19/20	MW09	*<1.0*	*<1.0*	*<1.0*	*<2.0*
Hiner 36 Pad	8/19/20	MW10	*<1.0*	*<1.0*	*<1.0*	*<2.0*
Hiner 36 Pad	8/19/20	MW11	*<1.0*	*<1.0*	*<1.0*	*<2.0*
Hiner 36 Pad	8/19/20	MW12	*<1.0*	*<1.0*	*<1.0*	*<2.0*
Hiner 36 Pad	8/19/20	MW13	*<1.0*	*<1.0*	*<1.0*	*<2.0*
Hiner 36 Pad	8/19/20	SW01	*<1.0*	*<1.0*	*<1.0*	*<2.0*
Hiner 36 Pad	8/19/20	SW02	*<1.0*	*<1.0*	*<1.0*	*<2.0*
Hiner 36 Pad	8/19/20	SW03	*<1.0*	*<1.0*	*<1.0*	*<2.0*

Orange Highlight - Exceedance

Grey Highlight - Below Detection Limit

µg/L - micrograms per liter

Apex Companies, LLC.
1746 Cole Blvd., Suite 250
Lakewood, CO 80401

Attachment A

Laboratory Analytical Report

Summit Scientific

4653 Table Mountain Drive, Golden, Colorado 80403

303.277.9310

August 26, 2020

Maggie Graham
Extraction Oil&Gas
370 17th Street Suite 5300
Denver, CO 80202

RE: Hiner 36
Work Order #2008171

Enclosed are the results of analyses for samples received by Summit Scientific on 08/19/20 16:20. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Paul Shrewsbury
President

S2

Extraction Oil&Gas 370 17th Street Suite 5300 Denver CO, 80202	Project: Hiner 36 Project Number: [none] Project Manager: Maggie Graham	**Reported:** 08/26/20 10:42

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW01	2008171-01	Water	08/19/20 13:15	08/19/20 16:20
MW02	2008171-02	Water	08/19/20 12:15	08/19/20 16:20
MW03	2008171-03	Water	08/19/20 11:10	08/19/20 16:20
MW04	2008171-04	Water	08/19/20 12:30	08/19/20 16:20
MW05	2008171-05	Water	08/19/20 10:45	08/19/20 16:20
MW06	2008171-06	Water	08/19/20 10:30	08/19/20 16:20
MW07	2008171-07	Water	08/19/20 12:50	08/19/20 16:20
MW08	2008171-08	Water	08/19/20 12:00	08/19/20 16:20
MW09	2008171-09	Water	08/19/20 11:40	08/19/20 16:20
MW10	2008171-10	Water	08/19/20 10:45	08/19/20 16:20
MW11	2008171-11	Water	08/19/20 12:20	08/19/20 16:20
MW12	2008171-12	Water	08/19/20 11:30	08/19/20 16:20
MW13	2008171-13	Water	08/19/20 11:10	08/19/20 16:20
SW01	2008171-14	Water	08/19/20 13:50	08/19/20 16:20
SW02	2008171-15	Water	08/19/20 13:55	08/19/20 16:20
SW03	2008171-16	Water	08/19/20 14:00	08/19/20 16:20

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

200817.1

Summit Scientific

4653 Table Mountain Drive ♦ Golden, Colorado 80403
303-277-9310 ♦ 303-374-5933 Fax

Client: APEX Companies, LLC
Address: 1746 Cole Blvd. Suite 250
City/State/Zip: Lakewood, Colorado 80101
Phone: 720-501-5065
Sampler Name: Sage Maher

Project Manager: Maggie Graham 720-501-5065; 907-538-7699c MaggieGraham@ApexCos.com
E-Mail: DenverRemediation@ApexCos.com jcarlisle@Extractionops.com
Project Name: Hiner 36
Project Number: 744.2001.01-446538

				Preservative				Matrix				Analyze For:								
Sample Description	Date Sampled	Time Sampled	Number of Containers	HCl	HNO_3	None	Other (Specify)	Groundwater	Soil	Air - Canister Serial #	Other (Specify)	BTEX		Samedday	VOC					Special Instructions
MW01	8/19/20	1315	3	X				X			MP	X			X					Call Maggie Graham with questions
MW02		1215										X								
MW03		1110										X								
MW04		1230										X								
MW05		1045										X								
* MW06		1030										X		X						
MW07		1250										X								
MW08		1200										X								
MW09		1140										X								
MW10		1045										X								

Relinquished by: Date/Time: 8/19/20 16:20
Received by: Date/Time: 08-19-20 16:20
Relinquished by: Date/Time:
Received by: Date/Time:
Relinquished by: Date/Time:
Received in Lab by: Date/Time:

Turn Around Time (Check)
Same Day [X] 72 Hours [ ]
24 Hours [ ] Standard [X]
48 Hours [ ]

Sample Integrity:
Temperature Upon Receipt: 2.7
Intact: Yes [X] No [ ]

Notes
Circle applicable regulatory agency:
COGCC/CDPHE
Client Name: XOV

please rush MW06 all other samples on standard turn

2008171.2

Summit Scientific

4653 Table Mountain Drive ♦ Golden, Colorado 80403
303-277-9310 ♦ 303-374-5933 Fax

Page 2 of 2

Client: APEX Companies, LLC
Address: 1746 Cole Blvd. Suite 250
City/State/Zip: Lakewood, Colorado 80101
Phone: 720-501-5065
Sampler Name: Sage Maher

Project Manager: Maggie Graham 720-501-5065; 907-538-7699c MaggieGraham@ApexCos.com
E-Mail: DenverRemediation@ApexCos.com
Project Name: Hiner 34
Project Number:

Sample Description	Date Sampled	Time Sampled	Number of Containers	Preservative: HCl	Preservative: HNO_3	Preservative: None	Preservative: Other (Specify)	Matrix: Groundwater	Matrix: Soil	Matrix: Air - Canister Serial #	Matrix: Other (Specify)	Analyze For: BTEX	Analyze For: VOC	Special Instructions
MW11	8/19/20	1220	3	X				X				X		Call Maggie Graham with questions
MW12	↓	1130	↓	↓				↓			MP	~~X~~	X	MW01 } VOC
MW13		1110										X		MW12 }
SW01		1350										X		(Standard turn)
SW02		1355										X		
SW03		1400										X		

Relinquished by: [signature] Date/Time: 8/19/20 16:20
Received by: [signature] Date/Time: 08-19-20 16:20

Relinquished by: Date/Time:
Received by: Date/Time:

Relinquished by: Date/Time:
Received in Lab by: Date/Time:

Turn Around Time (Check)
Same Day: X
24 Hours:
48 Hours:
72 Hours:
Standard: X

Sample Integrity:
Temperature Upon Receipt: 2.7
Intact: Yes X No

Notes
Circle applicable regulatory agency:
COGCC/ CDPHE
Client Name:
XTO

Sample Receipt Checklist

S2 Work Order 2008171

Client: Apex/ XOG Client Project ID: Hiner 36

Shipped Via: H.D./P.U./FedEx/UPS/USPS/Other _____ Airbill #: _____

☑ ☐ ☐ ☐ ☐

Matrix (check all that apply): ☐ Air ☐ Soil/Solid ☑ Water ☐ Other: _____ (Describe)

Temp (°C)	2.7

Thermometer ID: 61857155-K

	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature at 4°C +/- 2°C (1)? NOTE: If samples are delivered the same day of sampling, this requirement is met provided that there is evidence that cooling has begun.	✓			
Were all samples received intact (1)?	✓			
Was adequate sample volume provided (1)?	✓			
If custody seals are present, are they intact (1)?			✓	
Are samples with holding times due within 48 hours sample due within 48 hours present?	✓			MW06 same day
Is a chain-of-custody (COC) form present and filled out completely (1)?	✓			
Does the COC agree with the number and type of sample bottles received (1)?	✓			
Do the sample IDs on the bottle labels match the COC (1)?	✓			
Is the COC properly relinquished by the client w/ date and time recorded (1)?	✓			
For volatiles in water – is there headspace present? **If yes, contact client and note in narrative.**		✓		
Are samples preserved that require preservation **(excluding cooling)** (1)? Note the type of preservative in the Comments column – HCl, H2SO4, NaOH, HNO3, ect			✓	
If samples are acid preserved for metals, is the pH ≤ 2(1)? Record the pH in Comments.			✓	
If dissolved metals are requested, were samples field filtered?			✓	
Additional Comments (if any):				

(1) **If NO, then contact the client before proceeding with analysis and note in case narrative.**

MP — **Custodian Printed Name or Initials**

Signature of Custodian

8/19/20 — **Date/Time**

Extraction Oil&Gas 370 17th Street Suite 5300 Denver CO, 80202	Project: Hiner 36 Project Number: [none] Project Manager: Maggie Graham	**Reported:** 08/26/20 10:42

MW01

2008171-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/19/20 13:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	**44**	1.0	ug/l	1	2008222	08/20/20	08/21/20	EPA 8260B	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	2.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chlorodibromomethane	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	3.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.0	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	10	"	"	"	"	"	"	
Ethylbenzene	**1.0**	1.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
m,p-Xylene	**2.8**	2.0	"	"	"	"	"	"	
Methylene Chloride	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Naphthalene	**1.0**	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	1.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	20	"	"	"	"	"	"	

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Extraction Oil&Gas 370 17th Street Suite 5300 Denver CO, 80202	Project: Hiner 36 Project Number: [none] Project Manager: Maggie Graham	**Reported:** 08/26/20 10:42

MW01

2008171-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

tert-Butylbenzene	ND	1.0	ug/l	1	2008222	08/20/20	08/21/20	EPA 8260B
Tetrachloroethene	ND	1.0	"	"	"	"	"	"
Toluene	ND	1.0	"	"	"	"	"	"
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"
Trichloroethene	ND	1.0	"	"	"	"	"	"
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"
Vinyl chloride	ND	1.0	"	"	"	"	"	"
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"
1,2,4-Trimethylbenzene	**3.4**	1.0	"	"	"	"	"	"
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"
1,3,5-Trimethylbenzene	**1.0**	1.0	"	"	"	"	"	"
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"

Date Sampled: **08/19/20 13:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		*94.7 %*	*23-173*		"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*20-170*		"	"	"	"	

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Extraction Oil&Gas 370 17th Street Suite 5300 Denver CO, 80202	Project: Hiner 36 Project Number: [none] Project Manager: Maggie Graham	**Reported:** 08/26/20 10:42

MW01

2008171-01 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Surrogate: 4-Bromofluorobenzene	*103 %*	*21-167*	*2008222*	*08/20/20*	*08/21/20*	*EPA 8260B*

Extraction Oil&Gas 370 17th Street Suite 5300 Denver CO, 80202	Project: Hiner 36 Project Number: [none] Project Manager: Maggie Graham	**Reported:** 08/26/20 10:42

MW02

2008171-02 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/19/20 12:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	**52**	1.0	ug/l	1	2008222	08/20/20	08/20/20	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **08/19/20 12:15**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*23-173*		"	"	"	"	
Surrogate: Toluene-d8		*99.2 %*	*20-170*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*88.7 %*	*21-167*		"	"	"	"	

Extraction Oil&Gas 370 17th Street Suite 5300 Denver CO, 80202	Project: Hiner 36 Project Number: [none] Project Manager: Maggie Graham	**Reported:** 08/26/20 10:42

MW03

2008171-03 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/19/20 11:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	**6.1**	1.0	ug/l	1	2008222	08/20/20	08/20/20	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **08/19/20 11:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*23-173*		"	"	"	"	
Surrogate: Toluene-d8		*99.7 %*	*20-170*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*84.5 %*	*21-167*		"	"	"	"	

Extraction Oil&Gas 370 17th Street Suite 5300 Denver CO, 80202	Project: Hiner 36 Project Number: [none] Project Manager: Maggie Graham	**Reported:** 08/26/20 10:42

MW04

2008171-04 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/19/20 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	2008222	08/20/20	08/20/20	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **08/19/20 12:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*23-173*		"	"	"	"	
Surrogate: Toluene-d8		*98.5 %*	*20-170*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*82.1 %*	*21-167*		"	"	"	"	

Extraction Oil&Gas 370 17th Street Suite 5300 Denver CO, 80202	Project: Hiner 36 Project Number: [none] Project Manager: Maggie Graham	**Reported:** 08/26/20 10:42

MW05

2008171-05 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/19/20 10:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	2008222	08/20/20	08/20/20	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **08/19/20 10:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*23-173*		"	"	"	"	
Surrogate: Toluene-d8		*97.5 %*	*20-170*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*84.2 %*	*21-167*		"	"	"	"	

Extraction Oil&Gas 370 17th Street Suite 5300 Denver CO, 80202	Project: Hiner 36 Project Number: [none] Project Manager: Maggie Graham	**Reported:** 08/26/20 10:42

MW06

2008171-06 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/19/20 10:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	2008196	08/19/20	08/19/20	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **08/19/20 10:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*23-173*		"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*20-170*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*84.2 %*	*21-167*		"	"	"	"	

Extraction Oil&Gas 370 17th Street Suite 5300 Denver CO, 80202	Project: Hiner 36 Project Number: [none] Project Manager: Maggie Graham	**Reported:** 08/26/20 10:42

MW07

2008171-07 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/19/20 12:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	**2.4**	1.0	ug/l	1	2008222	08/20/20	08/20/20	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **08/19/20 12:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*23-173*		"	"	"	"	
Surrogate: Toluene-d8		*97.3 %*	*20-170*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*81.5 %*	*21-167*		"	"	"	"	

Extraction Oil&Gas 370 17th Street Suite 5300 Denver CO, 80202	Project: Hiner 36 Project Number: [none] Project Manager: Maggie Graham	**Reported:** 08/26/20 10:42

MW08

2008171-08 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/19/20 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	2008222	08/20/20	08/20/20	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **08/19/20 12:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		*109 %*	*23-173*		"	"	"	"	
Surrogate: Toluene-d8		*98.3 %*	*20-170*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*83.0 %*	*21-167*		"	"	"	"	

Extraction Oil&Gas 370 17th Street Suite 5300 Denver CO, 80202	Project: Hiner 36 Project Number: [none] Project Manager: Maggie Graham	**Reported:** 08/26/20 10:42

MW09

2008171-09 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/19/20 11:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	2008222	08/20/20	08/20/20	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **08/19/20 11:40**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*23-173*		"	"	"	"	
Surrogate: Toluene-d8		*97.0 %*	*20-170*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*81.9 %*	*21-167*		"	"	"	"	

Extraction Oil&Gas 370 17th Street Suite 5300 Denver CO, 80202	Project: Hiner 36 Project Number: [none] Project Manager: Maggie Graham	**Reported:** 08/26/20 10:42

MW10

2008171-10 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/19/20 10:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	2008222	08/20/20	08/20/20	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **08/19/20 10:45**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		*108 %*	*23-173*		"	"	"	"	
Surrogate: Toluene-d8		*103 %*	*20-170*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*84.7 %*	*21-167*		"	"	"	"	

Extraction Oil&Gas 370 17th Street Suite 5300 Denver CO, 80202	Project: Hiner 36 Project Number: [none] Project Manager: Maggie Graham	**Reported:** 08/26/20 10:42

MW11

2008171-11 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/19/20 12:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	2008222	08/20/20	08/20/20	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **08/19/20 12:20**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*23-173*		"	"	"	"	
Surrogate: Toluene-d8		*97.7 %*	*20-170*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*82.6 %*	*21-167*		"	"	"	"	

Extraction Oil&Gas 370 17th Street Suite 5300 Denver CO, 80202	Project: Hiner 36 Project Number: [none] Project Manager: Maggie Graham	**Reported:** 08/26/20 10:42

MW12

2008171-12 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/19/20 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	2008222	08/20/20	08/20/20	EPA 8260B	
Bromobenzene	ND	1.0	"	"	"	"	"	"	
Bromochloromethane	ND	5.0	"	"	"	"	"	"	
Bromodichloromethane	ND	2.0	"	"	"	"	"	"	
Bromoform	ND	1.0	"	"	"	"	"	"	
Bromomethane	ND	1.0	"	"	"	"	"	"	
Carbon tetrachloride	ND	1.0	"	"	"	"	"	"	
Chlorobenzene	ND	1.0	"	"	"	"	"	"	
Chlorodibromomethane	ND	1.0	"	"	"	"	"	"	
Chloroethane	ND	1.0	"	"	"	"	"	"	
Chloroform	ND	3.0	"	"	"	"	"	"	
Chloromethane	ND	1.0	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"	
Dibromomethane	ND	1.0	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	1.0	"	"	"	"	"	"	
Di-isopropyl ether	ND	5.0	"	"	"	"	"	"	
Ethyl tert-butyl ether	ND	10	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Hexachlorobutadiene	ND	1.0	"	"	"	"	"	"	
Isopropylbenzene	ND	1.0	"	"	"	"	"	"	
m,p-Xylene	ND	2.0	"	"	"	"	"	"	
Methylene Chloride	ND	5.0	"	"	"	"	"	"	
Methyl tert-butyl ether	ND	5.0	"	"	"	"	"	"	
Naphthalene	ND	1.0	"	"	"	"	"	"	
n-Butylbenzene	ND	1.0	"	"	"	"	"	"	
n-Propylbenzene	ND	1.0	"	"	"	"	"	"	
o-Xylene	ND	1.0	"	"	"	"	"	"	
p-Isopropyltoluene	ND	1.0	"	"	"	"	"	"	
sec-Butylbenzene	ND	1.0	"	"	"	"	"	"	
Styrene	ND	1.0	"	"	"	"	"	"	
Tert-amyl methyl ether	ND	1.0	"	"	"	"	"	"	
Tert-butyl alcohol	ND	20	"	"	"	"	"	"	

Summit Scientific

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Extraction Oil&Gas 370 17th Street Suite 5300 Denver CO, 80202	Project: Hiner 36 Project Number: [none] Project Manager: Maggie Graham	**Reported:** 08/26/20 10:42

MW12

2008171-12 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

tert-Butylbenzene	ND	1.0	ug/l	1	2008222	08/20/20	08/20/20	EPA 8260B
Tetrachloroethene	ND	1.0	"	"	"	"	"	"
Toluene	ND	1.0	"	"	"	"	"	"
trans-1,2-Dichloroethene	ND	1.0	"	"	"	"	"	"
trans-1,3-Dichloropropene	ND	1.0	"	"	"	"	"	"
Trichloroethene	ND	1.0	"	"	"	"	"	"
Trichlorofluoromethane	ND	1.0	"	"	"	"	"	"
Vinyl chloride	ND	1.0	"	"	"	"	"	"
1,1,1,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"
1,1,1-Trichloroethane	ND	1.0	"	"	"	"	"	"
1,1,2,2-Tetrachloroethane	ND	1.0	"	"	"	"	"	"
1,1,2-Trichloroethane	ND	1.0	"	"	"	"	"	"
1,1-Dichloroethane	ND	1.0	"	"	"	"	"	"
1,1-Dichloroethene	ND	1.0	"	"	"	"	"	"
1,1-Dichloropropene	ND	1.0	"	"	"	"	"	"
1,2,3-Trichlorobenzene	ND	1.0	"	"	"	"	"	"
1,2,3-Trichloropropane	ND	1.0	"	"	"	"	"	"
1,2,4-Trichlorobenzene	ND	1.0	"	"	"	"	"	"
1,2,4-Trimethylbenzene	ND	1.0	"	"	"	"	"	"
1,2-Dibromo-3-chloropropane	ND	1.0	"	"	"	"	"	"
1,2-Dibromoethane (EDB)	ND	1.0	"	"	"	"	"	"
1,2-Dichlorobenzene	ND	1.0	"	"	"	"	"	"
1,2-Dichloroethane (EDC)	ND	1.0	"	"	"	"	"	"
1,2-Dichloropropane	ND	1.0	"	"	"	"	"	"
1,3,5-Trimethylbenzene	ND	1.0	"	"	"	"	"	"
1,3-Dichlorobenzene	ND	1.0	"	"	"	"	"	"
1,3-Dichloropropane	ND	1.0	"	"	"	"	"	"
1,4-Dichlorobenzene	ND	1.0	"	"	"	"	"	"
2,2-Dichloropropane	ND	1.0	"	"	"	"	"	"
2-Chlorotoluene	ND	1.0	"	"	"	"	"	"
4-Chlorotoluene	ND	1.0	"	"	"	"	"	"

Date Sampled: **08/19/20 11:30**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		*105 %*	*23-173*		"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*20-170*		"	"	"	"	

Summit Scientific

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Extraction Oil&Gas 370 17th Street Suite 5300 Denver CO, 80202	Project: Hiner 36 Project Number: [none] Project Manager: Maggie Graham	**Reported:** 08/26/20 10:42

MW12

2008171-12 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Surrogate: 4-Bromofluorobenzene	*83.6 %*	*21-167*	*2008222*	*08/20/20*	*08/20/20*	*EPA 8260B*

Extraction Oil&Gas 370 17th Street Suite 5300 Denver CO, 80202	Project: Hiner 36 Project Number: [none] Project Manager: Maggie Graham	**Reported:** 08/26/20 10:42

MW13

2008171-13 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/19/20 11:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	2008222	08/20/20	08/20/20	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **08/19/20 11:10**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		*103 %*	*23-173*		"	"	"	"	
Surrogate: Toluene-d8		*96.1 %*	*20-170*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*82.6 %*	*21-167*		"	"	"	"	

Extraction Oil&Gas 370 17th Street Suite 5300 Denver CO, 80202	Project: Hiner 36 Project Number: [none] Project Manager: Maggie Graham	**Reported:** 08/26/20 10:42

SW01

2008171-14 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/19/20 13:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	2008222	08/20/20	08/20/20	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **08/19/20 13:50**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		*106 %*	*23-173*		"	"	"	"	
Surrogate: Toluene-d8		*104 %*	*20-170*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*80.6 %*	*21-167*		"	"	"	"	

Extraction Oil&Gas 370 17th Street Suite 5300 Denver CO, 80202	Project: Hiner 36 Project Number: [none] Project Manager: Maggie Graham	**Reported:** 08/26/20 10:42

SW02

2008171-15 (Water)

Summit Scientific

Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/19/20 13:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	2008222	08/20/20	08/20/20	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **08/19/20 13:55**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*23-173*		"	"	"	"	
Surrogate: Toluene-d8		*101 %*	*20-170*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*81.7 %*	*21-167*		"	"	"	"	

Extraction Oil&Gas 370 17th Street Suite 5300 Denver CO, 80202	Project: Hiner 36 Project Number: [none] Project Manager: Maggie Graham	**Reported:** 08/26/20 10:42

SW03

2008171-16 (Water)

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Volatile Organic Compounds by EPA Method 8260B

Date Sampled: **08/19/20 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Benzene	ND	1.0	ug/l	1	2008222	08/20/20	08/21/20	EPA 8260B	
Toluene	ND	1.0	"	"	"	"	"	"	
Ethylbenzene	ND	1.0	"	"	"	"	"	"	
Xylenes (total)	ND	2.0	"	"	"	"	"	"	

Date Sampled: **08/19/20 14:00**

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Surrogate: 1,2-Dichloroethane-d4		*104 %*	*23-173*		"	"	"	"	
Surrogate: Toluene-d8		*96.6 %*	*20-170*		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		*82.0 %*	*21-167*		"	"	"	"	

Extraction Oil&Gas 370 17th Street Suite 5300 Denver CO, 80202	Project: Hiner 36 Project Number: [none] Project Manager: Maggie Graham	**Reported:** 08/26/20 10:42

Volatile Organic Compounds by EPA Method 8260B - Quality Control

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2008196 - EPA 5030 Water MS										
Blank (2008196-BLK1)				Prepared & Analyzed: 08/19/20						
Benzene	ND	1.0	ug/l							
Toluene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Xylenes (total)	ND	2.0	"							
Surrogate: 1,2-Dichloroethane-d4	*13.7*		*"*	*13.3*		*103*	*23-173*			
Surrogate: Toluene-d8	*12.9*		*"*	*13.3*		*97.0*	*20-170*			
Surrogate: 4-Bromofluorobenzene	*11.4*		*"*	*13.3*		*85.3*	*21-167*			
LCS (2008196-BS1)				Prepared & Analyzed: 08/19/20						
Benzene	33.8	1.0	ug/l	33.3		101	51-132			
Toluene	34.3	1.0	"	33.3		103	51-138			
Ethylbenzene	37.2	1.0	"	33.3		112	58-146			
m,p-Xylene	75.1	2.0	"	66.7		113	57-144			
o-Xylene	35.9	1.0	"	33.3		108	53-146			
Surrogate: 1,2-Dichloroethane-d4	*14.2*		*"*	*13.3*		*107*	*23-173*			
Surrogate: Toluene-d8	*13.2*		*"*	*13.3*		*99.2*	*20-170*			
Surrogate: 4-Bromofluorobenzene	*12.0*		*"*	*13.3*		*90.2*	*21-167*			
Matrix Spike (2008196-MS1)		**Source: 2008144-01**		Prepared & Analyzed: 08/19/20						
Benzene	33.8	1.0	ug/l	33.3	ND	102	34-141			
Toluene	35.0	1.0	"	33.3	ND	105	27-151			
Ethylbenzene	37.3	1.0	"	33.3	ND	112	29-160			
m,p-Xylene	76.3	2.0	"	66.7	ND	114	20-166			
o-Xylene	36.1	1.0	"	33.3	ND	108	33-159			
Surrogate: 1,2-Dichloroethane-d4	*14.2*		*"*	*13.3*		*107*	*23-173*			
Surrogate: Toluene-d8	*12.9*		*"*	*13.3*		*96.8*	*20-170*			
Surrogate: 4-Bromofluorobenzene	*12.0*		*"*	*13.3*		*90.1*	*21-167*			

Extraction Oil&Gas 370 17th Street Suite 5300 Denver CO, 80202	Project: Hiner 36 Project Number: [none] Project Manager: Maggie Graham	**Reported:** 08/26/20 10:42

Volatile Organic Compounds by EPA Method 8260B - Quality Control

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2008196 - EPA 5030 Water MS										
Matrix Spike Dup (2008196-MSD1)	**Source: 2008144-01**			Prepared & Analyzed: 08/19/20						
Benzene	34.2	1.0	ug/l	33.3	ND	103	34-141	0.970	30	
Toluene	34.4	1.0	"	33.3	ND	103	27-151	1.56	30	
Ethylbenzene	37.3	1.0	"	33.3	ND	112	29-160	0.0804	30	
m,p-Xylene	75.6	2.0	"	66.7	ND	113	20-166	0.935	30	
o-Xylene	36.1	1.0	"	33.3	ND	108	33-159	0.00	30	
Surrogate: 1,2-Dichloroethane-d4	*14.6*		*"*	*13.3*		*109*	*23-173*			
Surrogate: Toluene-d8	*12.9*		*"*	*13.3*		*96.5*	*20-170*			
Surrogate: 4-Bromofluorobenzene	*12.1*		*"*	*13.3*		*90.5*	*21-167*			
Batch 2008222 - EPA 5030 Water MS										
Blank (2008222-BLK1)				Prepared: 08/20/20 Analyzed: 08/21/20						
Benzene	ND	1.0	ug/l							
Benzene	ND	1.0	"							
Toluene	ND	1.0	"							
Bromobenzene	ND	1.0	"							
Ethylbenzene	ND	1.0	"							
Bromochloromethane	ND	5.0	"							
Bromodichloromethane	ND	2.0	"							
Bromoform	ND	1.0	"							
Bromomethane	ND	1.0	"							
Xylenes (total)	ND	2.0	"							
Carbon tetrachloride	ND	1.0	"							
Chlorobenzene	ND	1.0	"							
Chlorodibromomethane	ND	1.0	"							
Chloroethane	ND	1.0	"							
Chloroform	ND	3.0	"							
Chloromethane	ND	1.0	"							
cis-1,2-Dichloroethene	ND	1.0	"							
cis-1,3-Dichloropropene	ND	1.0	"							
Dibromomethane	ND	1.0	"							
Dichlorodifluoromethane	ND	1.0	"							
Di-isopropyl ether	ND	5.0	"							
Ethyl tert-butyl ether	ND	10	"							
Ethylbenzene	ND	1.0	"							
Hexachlorobutadiene	ND	1.0	"							
Isopropylbenzene	ND	1.0	"							
m,p-Xylene	ND	2.0	"							

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Volatile Organic Compounds by EPA Method 8260B - Quality Control

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2008222 - EPA 5030 Water MS										
Blank (2008222-BLK1)				Prepared: 08/20/20 Analyzed: 08/21/20						
Methyl tert-butyl ether	ND	5.0	ug/l							
Methylene Chloride	ND	5.0	"							
Naphthalene	ND	1.0	"							
n-Butylbenzene	ND	1.0	"							
n-Propylbenzene	ND	1.0	"							
o-Xylene	ND	1.0	"							
p-Isopropyltoluene	ND	1.0	"							
sec-Butylbenzene	ND	1.0	"							
Styrene	ND	1.0	"							
Tert-amyl methyl ether	ND	1.0	"							
Tert-butyl alcohol	ND	20	"							
tert-Butylbenzene	ND	1.0	"							
Tetrachloroethene	ND	1.0	"							
Toluene	ND	1.0	"							
trans-1,2-Dichloroethene	ND	1.0	"							
trans-1,3-Dichloropropene	ND	1.0	"							
Trichloroethene	ND	1.0	"							
Trichlorofluoromethane	ND	1.0	"							
Vinyl chloride	ND	1.0	"							
1,1,1,2-Tetrachloroethane	ND	1.0	"							
1,1,1-Trichloroethane	ND	1.0	"							
1,1,2,2-Tetrachloroethane	ND	1.0	"							
1,1,2-Trichloroethane	ND	1.0	"							
1,1-Dichloroethane	ND	1.0	"							
1,1-Dichloroethene	ND	1.0	"							
1,1-Dichloropropene	ND	1.0	"							
1,2,3-Trichlorobenzene	ND	1.0	"							
1,2,3-Trichloropropane	ND	1.0	"							
1,2,4-Trichlorobenzene	ND	1.0	"							
1,2,4-Trimethylbenzene	ND	1.0	"							
1,2-Dibromo-3-chloropropane	ND	1.0	"							
1,2-Dibromoethane (EDB)	ND	1.0	"							
1,2-Dichlorobenzene	ND	1.0	"							
1,2-Dichloroethane (EDC)	ND	1.0	"							
1,2-Dichloropropane	ND	1.0	"							
1,3,5-Trimethylbenzene	ND	1.0	"							
1,3-Dichlorobenzene	ND	1.0	"							
1,3-Dichloropropane	ND	1.0	"							

Volatile Organic Compounds by EPA Method 8260B - Quality Control

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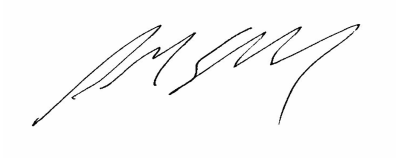
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2008222 - EPA 5030 Water MS										
Blank (2008222-BLK1)				Prepared: 08/20/20 Analyzed: 08/21/20						
1,4-Dichlorobenzene	ND	1.0	ug/l							
2,2-Dichloropropane	ND	1.0	"							
2-Chlorotoluene	ND	1.0	"							
4-Chlorotoluene	ND	1.0	"							
Surrogate: 1,2-Dichloroethane-d4	*14.0*		*"*	*13.3*		*105*	*23-173*			
Surrogate: 1,2-Dichloroethane-d4	*14.0*		*"*	*13.3*		*105*	*23-173*			
Surrogate: Toluene-d8	*13.3*		*"*	*13.3*		*99.7*	*20-170*			
Surrogate: Toluene-d8	*13.3*		*"*	*13.3*		*99.7*	*20-170*			
Surrogate: 4-Bromofluorobenzene	*13.5*		*"*	*13.3*		*101*	*21-167*			
Surrogate: 4-Bromofluorobenzene	*13.5*		*"*	*13.3*		*101*	*21-167*			
LCS (2008222-BS1)				Prepared: 08/20/20 Analyzed: 08/21/20						
Benzene	41.2	1.0	ug/l	50.0		82.3	51-132			
Benzene	41.2	1.0	"	50.0		82.3	70-130			
Toluene	42.4	1.0	"	50.0		84.8	51-138			
Bromobenzene	48.3	1.0	"	50.0		96.6	70-130			
Ethylbenzene	48.2	1.0	"	50.0		96.4	58-146			
Bromochloromethane	54.8	5.0	"	50.0		110	70-130			
m,p-Xylene	84.7	2.0	"	100		84.7	57-144			
Bromodichloromethane	54.1	2.0	"	50.0		108	70-130			
o-Xylene	43.6	1.0	"	50.0		87.2	53-146			
Bromoform	56.0	1.0	"	50.0		112	70-130			
Bromomethane	59.0	1.0	"	50.0		118	70-130			
Carbon tetrachloride	51.4	1.0	"	50.0		103	70-130			
Chlorobenzene	48.7	1.0	"	50.0		97.4	70-130			
Chlorodibromomethane	54.8	1.0	"	50.0		110	70-130			
Chloroethane	57.1	1.0	"	50.0		114	70-130			
Chloroform	53.7	3.0	"	50.0		107	70-130			
Chloromethane	43.0	1.0	"	50.0		86.0	70-130			
cis-1,2-Dichloroethene	53.8	1.0	"	50.0		108	70-130			
cis-1,3-Dichloropropene	52.3	1.0	"	50.0		105	70-130			
Dibromomethane	54.5	1.0	"	50.0		109	70-130			
Dichlorodifluoromethane	45.2	1.0	"	50.0		90.3	70-130			
Di-isopropyl ether	54.8	5.0	"	50.0		110	70-130			
Ethyl tert-butyl ether	54.3	10	"	50.0		109	70-130			
Ethylbenzene	48.2	1.0	"	50.0		96.4	70-130			
Hexachlorobutadiene	45.2	1.0	"	50.0		90.4	70-130			
Isopropylbenzene	55.1	1.0	"	50.0		110	70-130			



Volatile Organic Compounds by EPA Method 8260B - Quality Control

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2008222 - EPA 5030 Water MS										
LCS (2008222-BS1)				Prepared: 08/20/20 Analyzed: 08/21/20						
m,p-Xylene	84.7	2.0	ug/l	100		84.7	70-130			
Methylene Chloride	46.4	5.0	"	50.0		92.8	70-130			
Naphthalene	52.7	1.0	"	50.0		105	70-130			
n-Butylbenzene	53.2	1.0	"	50.0		106	70-130			
n-Propylbenzene	54.5	1.0	"	50.0		109	70-130			
o-Xylene	43.6	1.0	"	50.0		87.2	70-130			
p-Isopropyltoluene	54.0	1.0	"	50.0		108	70-130			
sec-Butylbenzene	54.3	1.0	"	50.0		109	70-130			
Styrene	48.8	1.0	"	50.0		97.6	70-130			
Tert-amyl methyl ether	54.8	1.0	"	50.0		110	70-130			
Tert-butyl alcohol	231	20	"	250		92.5	70-130			
tert-Butylbenzene	48.2	1.0	"	50.0		96.3	70-130			
Tetrachloroethene	48.0	1.0	"	50.0		95.9	70-130			
Toluene	42.4	1.0	"	50.0		84.8	70-130			
trans-1,2-Dichloroethene	52.8	1.0	"	50.0		106	70-130			
trans-1,3-Dichloropropene	53.2	1.0	"	50.0		106	70-130			
Trichloroethene	53.8	1.0	"	50.0		108	70-130			
Trichlorofluoromethane	51.2	1.0	"	50.0		102	70-130			
Vinyl chloride	49.2	1.0	"	50.0		98.5	70-130			
1,1,1,2-Tetrachloroethane	51.6	1.0	"	50.0		103	70-130			
1,1,1-Trichloroethane	54.2	1.0	"	50.0		108	70-130			
1,1,2,2-Tetrachloroethane	46.2	1.0	"	50.0		92.5	70-130			
1,1,2-Trichloroethane	53.0	1.0	"	50.0		106	70-130			
1,1-Dichloroethane	53.6	1.0	"	50.0		107	70-130			
1,1-Dichloroethene	53.3	1.0	"	50.0		107	70-130			
1,1-Dichloropropene	49.4	1.0	"	50.0		98.9	70-130			
1,2,3-Trichlorobenzene	49.6	1.0	"	50.0		99.2	70-130			
1,2,3-Trichloropropane	51.5	1.0	"	50.0		103	70-130			
1,2,4-Trichlorobenzene	47.8	1.0	"	50.0		95.7	70-130			
1,2,4-Trimethylbenzene	56.9	1.0	"	50.0		114	70-130			
1,2-Dibromo-3-chloropropane	59.4	1.0	"	50.0		119	70-130			
1,2-Dibromoethane (EDB)	52.0	1.0	"	50.0		104	70-130			
1,2-Dichlorobenzene	48.1	1.0	"	50.0		96.1	70-130			
1,2-Dichloroethane (EDC)	51.2	1.0	"	50.0		102	70-130			
1,2-Dichloropropane	51.8	1.0	"	50.0		104	70-130			
1,3,5-Trimethylbenzene	48.5	1.0	"	50.0		97.0	70-130			
1,3-Dichlorobenzene	47.4	1.0	"	50.0		94.8	70-130			
1,3-Dichloropropane	50.3	1.0	"	50.0		101	70-130			

Extraction Oil&Gas 370 17th Street Suite 5300 Denver CO, 80202	Project: Hiner 36 Project Number: [none] Project Manager: Maggie Graham	**Reported:** 08/26/20 10:42

Volatile Organic Compounds by EPA Method 8260B - Quality Control

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2008222 - EPA 5030 Water MS										
LCS (2008222-BS1)				Prepared: 08/20/20 Analyzed: 08/21/20						
1,4-Dichlorobenzene	47.2	1.0	ug/l	50.0		94.3	70-130			
2,2-Dichloropropane	46.9	1.0	"	50.0		93.8	70-130			
2-Chlorotoluene	47.8	1.0	"	50.0		95.6	70-130			
4-Chlorotoluene	47.3	1.0	"	50.0		94.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	*13.9*		*"*	*13.3*		*104*	*23-173*			
Surrogate: 1,2-Dichloroethane-d4	*13.9*		*"*	*13.3*		*104*	*23-173*			
Surrogate: Toluene-d8	*13.5*		*"*	*13.3*		*101*	*20-170*			
Surrogate: Toluene-d8	*13.5*		*"*	*13.3*		*101*	*20-170*			
Surrogate: 4-Bromofluorobenzene	*13.2*		*"*	*13.3*		*99.2*	*21-167*			
Surrogate: 4-Bromofluorobenzene	*13.2*		*"*	*13.3*		*99.2*	*21-167*			
Matrix Spike (2008222-MS1)		**Source: 2008171-01**		Prepared: 08/20/20 Analyzed: 08/21/20						
Benzene	64.2	1.0	ug/l	50.0	43.6	41.2	34-141			
Benzene	84.2	1.0	"	50.0	43.6	81.2	70-130			
Toluene	45.4	1.0	"	50.0	ND	90.8	27-151			
Bromobenzene	51.8	1.0	"	50.0	ND	104	70-130			
Ethylbenzene	53.9	1.0	"	50.0	1.03	106	29-160			
Bromochloromethane	53.0	5.0	"	50.0	ND	106	70-130			
m,p-Xylene	94.3	2.0	"	100	2.76	91.5	20-166			
Bromodichloromethane	55.4	2.0	"	50.0	ND	111	70-130			
o-Xylene	47.6	1.0	"	50.0	ND	95.3	33-159			
Bromoform	53.4	1.0	"	50.0	ND	107	70-130			
Bromomethane	61.6	1.0	"	50.0	ND	123	70-130			
Carbon tetrachloride	57.8	1.0	"	50.0	ND	116	70-130			
Chlorobenzene	52.7	1.0	"	50.0	ND	105	70-130			
Chlorodibromomethane	54.0	1.0	"	50.0	ND	108	70-130			
Chloroethane	52.5	1.0	"	50.0	ND	105	70-130			
Chloroform	55.5	3.0	"	50.0	ND	111	70-130			
Chloromethane	48.8	1.0	"	50.0	ND	97.6	70-130			
cis-1,2-Dichloroethene	55.2	1.0	"	50.0	ND	110	70-130			
cis-1,3-Dichloropropene	51.8	1.0	"	50.0	ND	104	70-130			
Dibromomethane	51.4	1.0	"	50.0	ND	103	70-130			
Dichlorodifluoromethane	45.0	1.0	"	50.0	ND	90.1	70-130			
Di-isopropyl ether	54.7	5.0	"	50.0	ND	109	70-130			
Ethyl tert-butyl ether	53.1	10	"	50.0	ND	106	70-130			
Ethylbenzene	53.9	1.0	"	50.0	1.03	106	70-130			
Hexachlorobutadiene	51.9	1.0	"	50.0	ND	104	70-130			
Isopropylbenzene	61.6	1.0	"	50.0	ND	123	70-130			

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Volatile Organic Compounds by EPA Method 8260B - Quality Control

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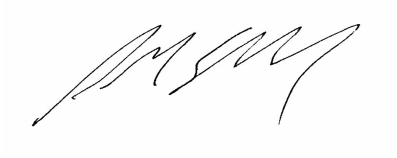
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2008222 - EPA 5030 Water MS										
Matrix Spike (2008222-MS1)	**Source: 2008171-01**			Prepared: 08/20/20 Analyzed: 08/21/20						
m,p-Xylene	94.3	2.0	ug/l	100	2.76	91.5	70-130			
Methylene Chloride	44.1	5.0	"	50.0	ND	88.2	70-130			
Naphthalene	52.5	1.0	"	50.0	1.04	103	70-130			
n-Butylbenzene	61.0	1.0	"	50.0	ND	122	70-130			
n-Propylbenzene	62.1	1.0	"	50.0	ND	124	70-130			
o-Xylene	47.6	1.0	"	50.0	ND	95.3	70-130			
p-Isopropyltoluene	61.1	1.0	"	50.0	ND	122	70-130			
sec-Butylbenzene	61.0	1.0	"	50.0	ND	122	70-130			
Styrene	47.4	1.0	"	50.0	ND	94.9	70-130			
Tert-amyl methyl ether	51.4	1.0	"	50.0	ND	103	70-130			
Tert-butyl alcohol	291	20	"	250	ND	116	70-130			
tert-Butylbenzene	53.8	1.0	"	50.0	ND	108	70-130			
Tetrachloroethene	51.6	1.0	"	50.0	ND	103	70-130			
Toluene	45.4	1.0	"	50.0	ND	90.8	70-130			
trans-1,2-Dichloroethene	55.6	1.0	"	50.0	ND	111	70-130			
trans-1,3-Dichloropropene	51.2	1.0	"	50.0	ND	102	70-130			
Trichloroethene	49.6	1.0	"	50.0	ND	99.3	70-130			
Trichlorofluoromethane	51.1	1.0	"	50.0	ND	102	70-130			
Vinyl chloride	50.0	1.0	"	50.0	ND	99.9	70-130			
1,1,1,2-Tetrachloroethane	54.7	1.0	"	50.0	ND	109	70-130			
1,1,1-Trichloroethane	57.3	1.0	"	50.0	ND	115	70-130			
1,1,2,2-Tetrachloroethane	55.3	1.0	"	50.0	ND	111	70-130			
1,1,2-Trichloroethane	50.5	1.0	"	50.0	ND	101	70-130			
1,1-Dichloroethane	55.2	1.0	"	50.0	ND	110	70-130			
1,1-Dichloroethene	54.4	1.0	"	50.0	ND	109	70-130			
1,1-Dichloropropene	53.8	1.0	"	50.0	ND	108	70-130			
1,2,3-Trichlorobenzene	53.9	1.0	"	50.0	ND	108	70-130			
1,2,3-Trichloropropane	51.4	1.0	"	50.0	ND	103	70-130			
1,2,4-Trichlorobenzene	54.1	1.0	"	50.0	ND	108	70-130			
1,2,4-Trimethylbenzene	63.8	1.0	"	50.0	3.41	121	70-130			
1,2-Dibromo-3-chloropropane	55.3	1.0	"	50.0	ND	111	70-130			
1,2-Dibromoethane (EDB)	49.8	1.0	"	50.0	ND	99.7	70-130			
1,2-Dichlorobenzene	51.2	1.0	"	50.0	ND	102	70-130			
1,2-Dichloroethane (EDC)	49.0	1.0	"	50.0	ND	98.0	70-130			
1,2-Dichloropropane	53.2	1.0	"	50.0	ND	106	70-130			
1,3,5-Trimethylbenzene	54.6	1.0	"	50.0	1.01	107	70-130			
1,3-Dichlorobenzene	52.5	1.0	"	50.0	ND	105	70-130			
1,3-Dichloropropane	48.9	1.0	"	50.0	ND	97.8	70-130			



Extraction Oil&Gas 370 17th Street Suite 5300 Denver CO, 80202	Project: Hiner 36 Project Number: [none] Project Manager: Maggie Graham	**Reported:** 08/26/20 10:42

Volatile Organic Compounds by EPA Method 8260B - Quality Control

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2008222 - EPA 5030 Water MS										
Matrix Spike (2008222-MS1)	**Source: 2008171-01**			Prepared: 08/20/20 Analyzed: 08/21/20						
1,4-Dichlorobenzene	51.7	1.0	ug/l	50.0	ND	103	70-130			
2,2-Dichloropropane	43.9	1.0	"	50.0	ND	87.9	70-130			
2-Chlorotoluene	53.8	1.0	"	50.0	ND	108	70-130			
4-Chlorotoluene	53.1	1.0	"	50.0	ND	106	70-130			
Surrogate: 1,2-Dichloroethane-d4	*12.6*		*"*	*13.3*		*94.5*	*23-173*			
Surrogate: 1,2-Dichloroethane-d4	*12.6*		*"*	*13.3*		*94.5*	*23-173*			
Surrogate: Toluene-d8	*13.2*		*"*	*13.3*		*98.9*	*20-170*			
Surrogate: Toluene-d8	*13.2*		*"*	*13.3*		*98.9*	*20-170*			
Surrogate: 4-Bromofluorobenzene	*13.2*		*"*	*13.3*		*99.2*	*21-167*			
Surrogate: 4-Bromofluorobenzene	*13.2*		*"*	*13.3*		*99.2*	*21-167*			
Matrix Spike Dup (2008222-MSD1)	**Source: 2008171-01**			Prepared: 08/20/20 Analyzed: 08/21/20						
Benzene	81.5	1.0	ug/l	50.0	43.6	75.8	70-130	3.28	30	
Benzene	61.5	1.0	"	50.0	43.6	35.8	34-141	4.33	30	
Bromobenzene	53.4	1.0	"	50.0	ND	107	70-130	3.00	30	
Toluene	47.2	1.0	"	50.0	ND	94.5	27-151	4.00	30	
Ethylbenzene	56.6	1.0	"	50.0	1.03	111	29-160	4.84	30	
Bromochloromethane	53.0	5.0	"	50.0	ND	106	70-130	0.0754	30	
m,p-Xylene	99.1	2.0	"	100	2.76	96.3	20-166	4.94	30	
Bromodichloromethane	57.6	2.0	"	50.0	ND	115	70-130	3.91	30	
o-Xylene	49.6	1.0	"	50.0	ND	99.2	33-159	3.99	30	
Bromoform	53.2	1.0	"	50.0	ND	106	70-130	0.281	30	
Bromomethane	48.3	1.0	"	50.0	ND	96.7	70-130	24.1	30	
Carbon tetrachloride	59.8	1.0	"	50.0	ND	120	70-130	3.44	30	
Chlorobenzene	55.0	1.0	"	50.0	ND	110	70-130	4.34	30	
Chlorodibromomethane	55.1	1.0	"	50.0	ND	110	70-130	1.98	30	
Chloroethane	52.3	1.0	"	50.0	ND	105	70-130	0.248	30	
Chloroform	56.4	3.0	"	50.0	ND	113	70-130	1.48	30	
Chloromethane	46.7	1.0	"	50.0	ND	93.5	70-130	4.35	30	
cis-1,2-Dichloroethene	55.4	1.0	"	50.0	ND	111	70-130	0.379	30	
cis-1,3-Dichloropropene	53.4	1.0	"	50.0	ND	107	70-130	3.12	30	
Dibromomethane	52.3	1.0	"	50.0	ND	105	70-130	1.74	30	
Dichlorodifluoromethane	43.0	1.0	"	50.0	ND	86.0	70-130	4.68	30	
Di-isopropyl ether	54.5	5.0	"	50.0	ND	109	70-130	0.421	30	
Ethyl tert-butyl ether	52.6	10	"	50.0	ND	105	70-130	0.965	30	
Ethylbenzene	56.6	1.0	"	50.0	1.03	111	70-130	4.84	30	
Hexachlorobutadiene	55.2	1.0	"	50.0	ND	110	70-130	6.13	30	
Isopropylbenzene	64.9	1.0	"	50.0	ND	130	70-130	5.25	30	

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Extraction Oil&Gas 370 17th Street Suite 5300 Denver CO, 80202	Project: Hiner 36 Project Number: [none] Project Manager: Maggie Graham	**Reported:** 08/26/20 10:42

Volatile Organic Compounds by EPA Method 8260B - Quality Control

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2008222 - EPA 5030 Water MS										
Matrix Spike Dup (2008222-MSD1)	**Source: 2008171-01**			Prepared: 08/20/20 Analyzed: 08/21/20						
m,p-Xylene	99.1	2.0	ug/l	100	2.76	96.3	70-130	4.94	30	
Methylene Chloride	45.2	5.0	"	50.0	ND	90.4	70-130	2.49	30	
Naphthalene	52.8	1.0	"	50.0	1.04	104	70-130	0.665	30	
n-Butylbenzene	64.8	1.0	"	50.0	ND	130	70-130	5.96	30	
n-Propylbenzene	65.0	1.0	"	50.0	ND	130	70-130	4.61	30	
o-Xylene	49.6	1.0	"	50.0	ND	99.2	70-130	3.99	30	
p-Isopropyltoluene	63.4	1.0	"	50.0	ND	127	70-130	3.68	30	
sec-Butylbenzene	63.6	1.0	"	50.0	ND	127	70-130	4.13	30	
Styrene	50.2	1.0	"	50.0	ND	100	70-130	5.69	30	
Tert-amyl methyl ether	51.2	1.0	"	50.0	ND	102	70-130	0.370	30	
Tert-butyl alcohol	271	20	"	250	ND	109	70-130	6.85	30	
tert-Butylbenzene	56.2	1.0	"	50.0	ND	112	70-130	4.45	30	
Tetrachloroethene	55.2	1.0	"	50.0	ND	110	70-130	6.68	30	
Toluene	47.2	1.0	"	50.0	ND	94.5	70-130	4.00	30	
trans-1,2-Dichloroethene	55.9	1.0	"	50.0	ND	112	70-130	0.520	30	
trans-1,3-Dichloropropene	52.2	1.0	"	50.0	ND	104	70-130	2.03	30	
Trichloroethene	51.6	1.0	"	50.0	ND	103	70-130	3.81	30	
Trichlorofluoromethane	52.0	1.0	"	50.0	ND	104	70-130	1.84	30	
Vinyl chloride	50.1	1.0	"	50.0	ND	100	70-130	0.360	30	
1,1,1,2-Tetrachloroethane	56.4	1.0	"	50.0	ND	113	70-130	3.10	30	
1,1,1-Trichloroethane	57.6	1.0	"	50.0	ND	115	70-130	0.592	30	
1,1,2,2-Tetrachloroethane	54.1	1.0	"	50.0	ND	108	70-130	2.19	30	
1,1,2-Trichloroethane	51.4	1.0	"	50.0	ND	103	70-130	1.82	30	
1,1-Dichloroethane	55.6	1.0	"	50.0	ND	111	70-130	0.686	30	
1,1-Dichloroethene	55.0	1.0	"	50.0	ND	110	70-130	1.08	30	
1,1-Dichloropropene	56.1	1.0	"	50.0	ND	112	70-130	4.13	30	
1,2,3-Trichlorobenzene	55.1	1.0	"	50.0	ND	110	70-130	2.18	30	
1,2,3-Trichloropropane	52.5	1.0	"	50.0	ND	105	70-130	1.96	30	
1,2,4-Trichlorobenzene	56.6	1.0	"	50.0	ND	113	70-130	4.57	30	
1,2,4-Trimethylbenzene	66.6	1.0	"	50.0	3.41	126	70-130	4.39	30	
1,2-Dibromo-3-chloropropane	53.7	1.0	"	50.0	ND	107	70-130	2.95	30	
1,2-Dibromoethane (EDB)	50.4	1.0	"	50.0	ND	101	70-130	1.18	30	
1,2-Dichlorobenzene	53.0	1.0	"	50.0	ND	106	70-130	3.47	30	
1,2-Dichloroethane (EDC)	50.2	1.0	"	50.0	ND	100	70-130	2.40	30	
1,2-Dichloropropane	55.2	1.0	"	50.0	ND	110	70-130	3.71	30	
1,3,5-Trimethylbenzene	57.3	1.0	"	50.0	1.01	113	70-130	4.88	30	
1,3-Dichlorobenzene	54.5	1.0	"	50.0	ND	109	70-130	3.83	30	
1,3-Dichloropropane	49.8	1.0	"	50.0	ND	99.7	70-130	1.90	30	

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Extraction Oil&Gas	Project: Hiner 36	
370 17th Street Suite 5300	Project Number: [none]	**Reported:**
Denver CO, 80202	Project Manager: Maggie Graham	08/26/20 10:42

Volatile Organic Compounds by EPA Method 8260B - Quality Control

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Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2008222 - EPA 5030 Water MS										
Matrix Spike Dup (2008222-MSD1)	**Source: 2008171-01**			Prepared: 08/20/20 Analyzed: 08/21/20						
1,4-Dichlorobenzene	54.1	1.0	ug/l	50.0	ND	108	70-130	4.57	30	
2,2-Dichloropropane	44.0	1.0	"	50.0	ND	87.9	70-130	0.0228	30	
2-Chlorotoluene	56.1	1.0	"	50.0	ND	112	70-130	4.18	30	
4-Chlorotoluene	54.6	1.0	"	50.0	ND	109	70-130	2.82	30	
Surrogate: 1,2-Dichloroethane-d4	*12.4*		"	*13.3*		*93.1*	*23-173*			
Surrogate: 1,2-Dichloroethane-d4	*12.4*		"	*13.3*		*93.1*	*23-173*			
Surrogate: Toluene-d8	*13.3*		"	*13.3*		*99.8*	*20-170*			
Surrogate: Toluene-d8	*13.3*		"	*13.3*		*99.8*	*20-170*			
Surrogate: 4-Bromofluorobenzene	*13.2*		"	*13.3*		*98.9*	*21-167*			
Surrogate: 4-Bromofluorobenzene	*13.2*		"	*13.3*		*98.9*	*21-167*			

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Extraction Oil&Gas 370 17th Street Suite 5300 Denver CO, 80202	Project: Hiner 36 Project Number: [none] Project Manager: Maggie Graham	**Reported:** 08/26/20 10:42

Notes and Definitions

DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference