



Division of Environmental Testing

2115 N Scranton St Suite 3040A

Aurora, CO 80045

800-440-5184

October 15, 2025

143 Diamond Ave
Parachute, CO 81635
970-285-2925

Project Manager : Blair Rollins
Project Name : Love Ranch Pig Launcher
Project Number : N/A

Attached are the analytical results for Love Ranch Pig Launcher N/A received by Elevation Diagnostics, Division of Environmental Testing on September 30, 2025. This is associated with Elevation's number AA33050 .

The results were analyzed under the guidelines of various methods. These methods are identified in the report as follows: "SW" is referring to the EPA's SW-846 Compendium; "EPA" is referring to 40 CFR part 136; "HACH" is referring to a method which was validated by HACH®; "SM" is referring to a revision of the Standard Methods For the Examination of Water and Wastewater; and "ASTM" is referring to the standard test method set forth by ASTM International.

The analytical results in this report apply specifically to the samples listed in the attached Chain of Custody. This report may only be duplicated in full.

Any deviations to sample integrity, method specifications, or Elevation Diagnostics's standard operating procedures are documented in the report below.

Please contact us for any questions or comments concerning the content of this report.

Thank you,

Elevation Diagnostics, Division of Environmental Testing

Chain of Custody Form

Elevation Diagnostics

2115 North Scranton Street Suite 3040A Aurora, CO 80045
800.440.5184

Client: QB Energy
 Address: 143 Diamond Ave
 City/State/ZIP: Parachute, CO 81635
 Phone: (970) 640-6919
 Project Contact: Blair Rollins

Project Name/Number: Love Ranch Pig Launcher
 Project Location: Love Ranch 8
 Collector Name: Maddie Schlageter

Sample ID	Sample Description	Date Sampled	Time Sampled	# of containers	Preservative				Matrix			Analysis Requested						Interim report requested		
					HCl	HNO ₃	None	Other	Water	Soil	Other	TABLES 915 GRO/DRO/ORO	TABLES 915 VOCs	TABLES 915 PAHs	TABLES 915 METALS	TABLES 915 PH, SPCON, SAR	TABLES 915 HWS BORON	<input type="checkbox"/> Yes <input type="checkbox"/> No	Notes	
1	20250929-Love Ranch Pig Launcher (POR)@9	2025-09-29	1050	3			<input checked="" type="checkbox"/>			<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				



Relinquished By: <u>msmt</u>	Relinquished By:	Relinquished By:	Scan to Deliver Samples
Date/Time: <u>9-29-25/1600</u>	Date/Time:	Date/Time:	
Lab Use Only	Observed Temperature Upon Receipt: <u>4.7°C</u>	Samples Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No	2025-09-30-002 AS Lot/EQM Number: N/A N/A
	Corrected Temperature Upon Receipt: <u>4.1°C</u>	pH Checked: <input type="radio"/> Yes <input checked="" type="radio"/> No	
	Thermometer #: <u>EDX EQ 350</u>	pH Adjusted: <input type="radio"/> Yes <input checked="" type="radio"/> No	
	Correction Factor: <u>-0.6°C</u>	PFAS rec'd on ice: <input type="radio"/> Yes <input checked="" type="radio"/> No	
Name/Lot Number of Adjustment: _____			EFOR-008.005

The results listed pertain only to the samples submitted to Elevation Diagnostics, Division of Environmental Testing as per the Chain of Custody attached. This report may only be duplicated in full.



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 Aurora, CO 80045
 800-440-5184

Report Date : 10/15/2025

Report Time : 14:16

FINAL RESULTS REPORT

Project Manager: Blair Rollins

Project Name: Love Ranch Pig Launcher

Project Number: N/A

Sample ID	Customer ID	Collected	Dilution	Result	Units	MDL	Method Ref.
Analyte Name		Analysis Start					Recovery
AA33050-1	20250929-Love Ranch Pig Launcher (POR)@9	Collected : 09/29/2025	10:50				
EC & pH soil by saturated paste - EC, soil		10/03/2025	16:08	2.21	mmhos/cm	0.0005	USDA 60/EPA 9045
EC & pH soil by saturated paste - pH soil Temperature		10/03/2025	16:08	21.40	°C		USDA 60/EPA 9045
EC & pH soil by saturated paste - pH, soil		10/03/2025	16:08	9.16	SU	0.01	USDA 60/EPA 9045
SAR Saturated Paste - Calcium		10/06/2025	13:31 10.00	<0.50	mEq/L	0.50	EPA 6020B
SAR Saturated Paste - Magnesium		10/06/2025	13:31 10.00	<0.82	mEq/L	0.82	EPA 6020B
SAR Saturated Paste - Sodium		10/06/2025	13:31 10.00	18.52	mEq/L	0.43	EPA 6020B
SAR Saturated Paste - Sodium Adsorption Ratio		10/06/2025	13:31 10.00	25.45	No Unit		EPA 6020B
AA33050-2	20250929-Love Ranch Pig Launcher (POR)@9	Collected : 09/29/2025	10:50				
Chromium VI, Soil		10/06/2025	11:29	<0.08	mg/kg	0.080	EPA 7199
Hot Water Soluble Boron		10/03/2025	09:56	1.03	mg/kg	0.050	Boron Hot Water Extraction
Total Metals, Soils - Arsenic		10/02/2025	13:34 10.00	4.24	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Barium		10/02/2025	13:34 10.00	247.40	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Cadmium		10/02/2025	13:34 10.00	0.18	mg/kg	0.001	EPA 6020B
Total Metals, Soils - Copper		10/02/2025	13:34 10.00	11.51	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Lead		10/02/2025	13:34 10.00	10.11	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Nickel		10/02/2025	13:34 10.00	12.01	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Selenium		10/02/2025	13:34 10.00	2.98	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Silver		10/02/2025	13:34 10.00	<0.25 - RL1	mg/kg	0.25	EPA 6020B
Total Metals, Soils - Zinc		10/02/2025	13:34 10.00	51.61	mg/kg	0.025	EPA 6020B
AA33050-3	20250929-Love Ranch Pig Launcher (POR)@9	Collected : 09/29/2025	10:50				
DRO & ORO, Soil - DRO		10/06/2025	06:57	Not Detected	mg/kg	100.00	EPA 8015D
DRO & ORO, Soil - ORO		10/06/2025	06:57	Not Detected	mg/kg	100.00	EPA 8015D
SVOC, Soils - 1-methylnaphthalene		10/14/2025	09:12	Not Detected	mg/kg	0.00313	EPA 8270
SVOC, Soils - 2-methylnaphthalene		10/14/2025	09:12	Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Acenaphthene		10/14/2025	09:12	Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Anthracene		10/14/2025	09:12	Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benz(a)anthracene		10/14/2025	09:12	Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(a)pyrene		10/14/2025	09:12	Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(b)fluoranthene		10/14/2025	09:12	Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(k)fluoranthene		10/14/2025	09:12	Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Chrysene		10/14/2025	09:12	Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Dibenz(a,h)anthracene		10/14/2025	09:12	Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Fluoranthene		10/14/2025	09:12	Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Fluorene		10/14/2025	09:12	Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Indeno(1,2,3-cd)pyrene		10/14/2025	09:12	Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Naphthalene		10/14/2025	09:12	Not Detected	mg/kg	0.00306	EPA 8270
SVOC, Soils - Pyrene		10/14/2025	09:12	Not Detected	mg/kg	0.010	EPA 8270
VOC, Soils - 1,2,4-trimethylbenzene		10/13/2025	16:20	<0.0016	mg/kg	0.0016	EPA 8260
VOC, Soils - 1,3,5-trimethylbenzene		10/13/2025	16:20	0.0034	mg/kg	0.0015	EPA 8260
VOC, Soils - Benzene		10/13/2025	16:20	Not Detected	mg/kg	0.0015	EPA 8260



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Sample ID	Customer ID	Collected	Dilution	Result	Units	MDL	Method Ref.
Analyte Name	Analysis Start	Recovery					
VOC, Soils - Ethylbenzene		10/13/2025 16:20		<0.0014	mg/kg	0.0014	EPA 8260
VOC, Soils - Gasoline Range Organics		10/13/2025 16:20		0.278	mg/kg	0.223	EPA 8260
VOC, Soils - m&p- xylene		10/13/2025 16:20		<0.0029	mg/kg	0.0029	EPA 8260
VOC, Soils - o-xylene		10/13/2025 16:20		<0.0014	mg/kg	0.0014	EPA 8260
VOC, Soils - Toluene		10/13/2025 16:20		<0.0016	mg/kg	0.0016	EPA 8260
VOC, Soils - Xylenes, total		10/13/2025 16:20		<0.0043	mg/kg	0.0043	EPA 8260



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Project Number: N/A

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
BORON-12076										
DUP	AA32747	0.07	0.050	mg/kg					13.3	-15 - 15
DUP	AA32757	0.08	0.050	mg/kg					11.8	-15 - 15
DUP	AA32860	0.31	0.050	mg/kg					3.2	-15 - 15
MB	AA33190	0.00		mg/kg						
LCS	AA33191	1.12		mg/kg	1.00		112	80 - 120		
LCS	AA33192	9.38		mg/kg	9.00		104	80 - 120		
CHROM_VI_SOIL-12075										
DUP	AA33066	<0.08	0.080	mg/kg						
MB	AA33185	Not Detected		mg/kg						
LCS	AA33187	1.59		mg/kg	1.57		101	80 - 120		
LCS	AA33188	1.64		mg/kg	1.56		105	80 - 120		



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QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
DRO ORO SOIL-12080										
AA33016										
Dup	DRO	287.15				Not Detected			3.36	- 30
Dup	ORO	334.67				Not Detected			9.38	- 50
Matrix Spike	DRO	296.96		mg/kg	350	Not Detected	84.8	70 - 130		
Matrix Spike	ORO	304.68		mg/kg	350	Not Detected	87.1	50 - 150		
AA33198										
MB	DRO	Not Detected		mg/kg						
MB	ORO	Not Detected		mg/kg						
AA33199										
LCS	DRO	272.19		mg/kg			77.8	70 - 130		
LCS	ORO	280.39		mg/kg			80.1	50 - 150		
AA33200										
LCS	DRO	259.21		mg/kg			74.1	70 - 130		
LCS	ORO	274.06		mg/kg			78.3	50 - 150		
EC PH-12116										
AA33020										
Dup	EC, soil	1.36	0.0005	mmhos/cm		1.34			1.48	- 5
Dup	pH soil Temperature	20.80		°C		20.30				
Dup	pH, soil	7.30	0.01	SU		7.25			0.687	- 5
AA33342										
LCS	EC, soil	9.36	0.0005	mmhos/cm			93.6	85 - 115		
LCS	pH, soil	6.92	0.01	SU			101	85 - 115		
AA33343										
LCS	EC, soil	9.38	0.0005	mmhos/cm			93.8	85 - 115		
LCS	pH, soil	6.90	0.01	SU			101	85 - 115		
METALS S-12066										
AA33077										
Dup	Barium	954.23	0.025	mg/kg		855.37			10.9	0 - 15
Matrix Spike	Barium	1083.21		mg/kg	200	855.37	114	80 - 120		
AA33162										
MB	Arsenic	0.00		mg/kg						
MB	Barium	0.00		mg/kg						
MB	Cadmium	0.00		mg/kg						
MB	Copper	0.00		mg/kg						
MB	Lead	0.00		mg/kg						
MB	Nickel	0.00		mg/kg						
MB	Selenium	0.00		mg/kg						
MB	Silver	0.00		mg/kg						
MB	Zinc	0.00		mg/kg						
AA33164										
LCS	Arsenic	0.11		mg/kg			110	80 - 120		
LCS	Barium	0.11		mg/kg			110	80 - 120		
LCS	Cadmium	0.11		mg/kg			110	80 - 120		
LCS	Copper	0.10		mg/kg			100	80 - 120		



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QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
LCS	Lead	0.11		mg/kg			110	80 - 120		
LCS	Nickel	0.10		mg/kg			100	80 - 120		
LCS	Selenium	0.10		mg/kg			100	80 - 120		
LCS	Silver	0.10		mg/kg			100	80 - 120		
LCS	Zinc	0.10		mg/kg			100	80 - 120		

AA33165

LCS	Arsenic	0.11		mg/kg			110	80 - 120		
LCS	Barium	0.11		mg/kg			110	80 - 120		
LCS	Cadmium	0.10		mg/kg			100	80 - 120		
LCS	Copper	0.10		mg/kg			100	80 - 120		
LCS	Lead	0.11		mg/kg			110	80 - 120		
LCS	Nickel	0.10		mg/kg			100	80 - 120		
LCS	Selenium	0.10		mg/kg			100	80 - 120		
LCS	Silver	0.10		mg/kg			100	80 - 120		
LCS	Zinc	0.10		mg/kg			100	80 - 120		

SAR-12129

AA33020

Dup	Calcium	6.11		mEq/L	6.11	5.84			4.52	- 20
Dup	Magnesium	1.51		mEq/L	1.51	1.46			3.37	- 20
Dup	Sodium	3.17		mEq/L	3.17	3.05			3.86	- 20
Dup	Sodium Adsorption Ratio	1.63		mEq/L	1.63	1.59			2.48	- 20

AA33440

MB	Calcium	0.00		mEq/L						
MB	Magnesium	0.00		mEq/L						
MB	Sodium	0.00		mEq/L						
MB	Sodium Adsorption Ratio	0.00								

AA33441

LCS	Calcium	9.99		ppm			99.9	80 - 120		
LCS	Magnesium	10.21		ppm			102	80 - 120		
LCS	Sodium	9.72		ppm			97.2	80 - 120		
LCS	Sodium Adsorption Ratio	0.52		ppm			96.3	80 - 120		

AA33442

LCS	Calcium	505.33		ppm			101	80 - 120		
LCS	Magnesium	503.34		ppm			101	80 - 120		
LCS	Sodium	497.79		ppm			99.6	80 - 120		
LCS	Sodium Adsorption Ratio	3.75		ppm			99.2	80 - 120		

SVOC SOIL-12074

AA32949

Dup	1-methylnaphthalene	1.288	0.010	mg/kg		0.136			21.7	- 30
Dup	2-methylnaphthalene	2.537	0.010	mg/kg		0.277			12.0	- 30
Dup	Acenaphthene	0.389	0.010	mg/kg		Not Detected			6.71	- 30
Dup	Anthracene	0.307	0.010	mg/kg		Not Detected			18.9	- 30
Dup	Benz(a)anthracene	0.390	0.010	mg/kg		Not Detected			14.7	- 30
Dup	Benzo(a)pyrene	0.257	0.010	mg/kg		Not Detected			46.8	- 30
Dup	Benzo(b)fluoranthene	0.297	0.010	mg/kg		Not Detected			25.0	- 30
Dup	Benzo(k)fluoranthene	0.299	0.010	mg/kg		Not Detected			30.8	- 30



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Project Name: Love Ranch Pig Launcher

Project Number: N/A

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
Dup	Chrysene	0.402	0.010	mg/kg		Not Detected			8.57	- 30
Dup	Dibenz(a,h)anthracene	0.282	0.010	mg/kg		Not Detected			44.0	- 30
Dup	Fluoranthene	0.375	0.010	mg/kg		Not Detected			1.06	- 30
Dup	Fluorene	0.454	0.010	mg/kg		Not Detected			8.64	- 30
Dup	Indeno(1,2,3-cd)pyrene	0.278	0.010	mg/kg		Not Detected			41.4	- 30
Dup	Naphthalene	1.551	0.010	mg/kg		0.160			15.5	- 30
Dup	Pyrene	0.348	0.010	mg/kg		Not Detected			1.71	- 30
Matrix Spike	1-methylnaphthalene	1.602	0.010	mg/kg	0.300	0.136	489	70 - 130		
Matrix Spike	2-methylnaphthalene	2.860	0.010	mg/kg	0.300	0.277	861	70 - 130		
Matrix Spike	Acenaphthene	0.416	0.010	mg/kg	0.300	Not Detected	139	70 - 130		
Matrix Spike	Anthracene	0.371	0.010	mg/kg	0.300	Not Detected	124	70 - 130		
Matrix Spike	Benz(a)anthracene	0.452	0.010	mg/kg	0.300	Not Detected	151	70 - 130		
Matrix Spike	Benzo(a)pyrene	0.414	0.010	mg/kg	0.300	Not Detected	138	70 - 130		
Matrix Spike	Benzo(b)fluoranthene	0.382	0.010	mg/kg	0.300	Not Detected	127	70 - 130		
Matrix Spike	Benzo(k)fluoranthene	0.408	0.010	mg/kg	0.300	Not Detected	136	70 - 130		
Matrix Spike	Chrysene	0.438	0.010	mg/kg	0.300	Not Detected	146	70 - 130		
Matrix Spike	Dibenz(a,h)anthracene	0.441	0.010	mg/kg	0.300	Not Detected	147	70 - 130		
Matrix Spike	Fluoranthene	0.379	0.010	mg/kg	0.300	Not Detected	126	70 - 130		
Matrix Spike	Fluorene	0.495	0.010	mg/kg	0.300	Not Detected	165	70 - 130		
Matrix Spike	Indeno(1,2,3-cd)pyrene	0.423	0.010	mg/kg	0.300	Not Detected	141	70 - 130		
Matrix Spike	Naphthalene	1.811	0.010	mg/kg	0.300	0.160	550	70 - 130		
Matrix Spike	Pyrene	0.354	0.010	mg/kg	0.300	Not Detected	118	70 - 130		

AA33182

MB	1-methylnaphthalene	Not Detected	0.00313	mg/kg						
MB	2-methylnaphthalene	Not Detected	0.010	mg/kg						
MB	Acenaphthene	Not Detected	0.010	mg/kg						
MB	Anthracene	Not Detected	0.010	mg/kg						
MB	Benz(a)anthracene	Not Detected	0.010	mg/kg						
MB	Benzo(a)pyrene	Not Detected	0.010	mg/kg						
MB	Benzo(b)fluoranthene	Not Detected	0.010	mg/kg						
MB	Benzo(k)fluoranthene	Not Detected	0.010	mg/kg						
MB	Chrysene	Not Detected	0.010	mg/kg						
MB	Dibenz(a,h)anthracene	Not Detected	0.010	mg/kg						
MB	Fluoranthene	Not Detected	0.010	mg/kg						
MB	Fluorene	Not Detected	0.010	mg/kg						
MB	Indeno(1,2,3-cd)pyrene	Not Detected	0.010	mg/kg						
MB	Naphthalene	Not Detected	0.00306	mg/kg						
MB	Pyrene	Not Detected	0.010	mg/kg						

AA33183

LCS	1-methylnaphthalene	0.297	0.00313	mg/kg			99.0	70 - 130		
LCS	2-methylnaphthalene	0.228	0.010	mg/kg			76.0	70 - 130		
LCS	Acenaphthene	0.308	0.010	mg/kg			103	70 - 130		
LCS	Anthracene	0.287	0.010	mg/kg			95.7	70 - 130		
LCS	Benz(a)anthracene	0.359	0.010	mg/kg			120	70 - 130		
LCS	Benzo(a)pyrene	0.307	0.010	mg/kg			102	70 - 130		
LCS	Benzo(b)fluoranthene	0.328	0.010	mg/kg			109	70 - 130		
LCS	Benzo(k)fluoranthene	0.346	0.010	mg/kg			115	70 - 130		



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QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
LCS	Chrysene	0.387	0.010	mg/kg			129	70 - 130		
LCS	Dibenz(a,h)anthracene	0.305	0.010	mg/kg			102	70 - 130		
LCS	Fluoranthene	0.337	0.010	mg/kg			112	70 - 130		
LCS	Fluorene	0.311	0.010	mg/kg			104	70 - 130		
LCS	Indeno(1,2,3-cd)pyrene	0.304	0.010	mg/kg			101	70 - 130		
LCS	Naphthalene	0.317	0.00306	mg/kg			106	70 - 130		
LCS	Pyrene	0.307	0.010	mg/kg			102	70 - 130		

AA33184

LCS	1-methylnaphthalene	0.304	0.00313	mg/kg			101	70 - 130		
LCS	2-methylnaphthalene	0.245	0.010	mg/kg			81.7	70 - 130		
LCS	Acenaphthene	0.305	0.010	mg/kg			102	70 - 130		
LCS	Anthracene	0.247	0.010	mg/kg			82.3	70 - 130		
LCS	Benz(a)anthracene	0.351	0.010	mg/kg			117	70 - 130		
LCS	Benzo(a)pyrene	0.236	0.010	mg/kg			78.7	70 - 130		
LCS	Benzo(b)fluoranthene	0.317	0.010	mg/kg			106	70 - 130		
LCS	Benzo(k)fluoranthene	0.316	0.010	mg/kg			105	70 - 130		
LCS	Chrysene	0.364	0.010	mg/kg			121	70 - 130		
LCS	Dibenz(a,h)anthracene	0.317	0.010	mg/kg			106	70 - 130		
LCS	Fluoranthene	0.367	0.010	mg/kg			122	70 - 130		
LCS	Fluorene	0.321	0.010	mg/kg			107	70 - 130		
LCS	Indeno(1,2,3-cd)pyrene	0.318	0.010	mg/kg			106	70 - 130		
LCS	Naphthalene	0.298	0.00306	mg/kg			99.3	70 - 130		
LCS	Pyrene	0.333	0.010	mg/kg			111	70 - 130		

VOC S-12152

AA32952

Dup	1,2,4-trimethylbenzene	0.024	0.0016	mg/kg		<0.0016			18.2	- 30
Dup	1,3,5-trimethylbenzene	0.026	0.0015	mg/kg		<0.0015			12.2	- 30
Dup	Benzene	0.031	0.0015	mg/kg		<0.0015			69.5	- 30
Dup	Ethylbenzene	0.026	0.0014	mg/kg		<0.0014			26.7	- 30
Dup	Gasoline Range Organics	0.227	0.223	mg/kg		Not Detected			108	
Dup	m&p- xylene	0.070	0.0029	mg/kg		0.0035			5.56	- 30
Dup	o-xylene	0.025	0.0014	mg/kg		<0.0014			11.3	- 30
Dup	Toluene	0.030	0.0016	mg/kg		0.0020			50.0	- 30
Dup	Xylenes, total	0.095	0.0043	mg/kg		<0.0043			7.11	- 30
Matrix Spike	1,2,4-trimethylbenzene	0.020		mg/kg	0.050	<0.0016	40.0	70 - 130		
Matrix Spike	1,3,5-trimethylbenzene	0.023		mg/kg	0.050	<0.0015	46.0	70 - 130		
Matrix Spike	Benzene	0.064		mg/kg	0.050	<0.0015	128	70 - 130		
Matrix Spike	Ethylbenzene	0.034		mg/kg	0.050	<0.0014	68.0	70 - 130		
Matrix Spike	Gasoline Range Organics	0.76		mg/kg	2.54	Not Detected	29.9			
Matrix Spike	m&p- xylene	0.074		mg/kg	0.100	0.0035	70.5	70 - 130		
Matrix Spike	o-xylene	0.028		mg/kg	0.050	<0.0014	56.0	70 - 130		
Matrix Spike	Toluene	0.050		mg/kg	0.050	0.0020	96.0	70 - 130		
Matrix Spike	Xylenes, total	0.102		mg/kg	0.150	<0.0043	68.0	70 - 130		

AA33478

MB	1,1,1,2-Tetrachloroethane	Not Detected		mg/kg						
MB	1,1,1-Trichloroethane	Not Detected		mg/kg						



Division of Environmental Testing

2115 N Scranton St Suite 3040A

Aurora, CO 80045

800-440-5184

Report Date : 10/15/2025

Report Time : 14:16

FINAL RESULTS REPORT

Project Manager: Blair Rollins

Project Name: Love Ranch Pig Launcher

Project Number: N/A

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
MB	1,1,2,2-Tetrachloroethane	Not Detected		mg/kg						
MB	1,1,2-Trichloroethane	Not Detected		mg/kg						
MB	1,1-Dichloroethene	Not Detected		mg/kg						
MB	1,2,3-Trichloropropane	Not Detected		mg/kg						
MB	1,2,4-Trichlorobenzene	Not Detected		mg/kg						
MB	1,2,4-trimethylbenzene	<0.0016		mg/kg						
MB	1,2-Dibromoethane	Not Detected		mg/kg						
MB	1,2-Dichlorobenzene	Not Detected		mg/kg						
MB	1,2-Dichloroethane	Not Detected		mg/kg						
MB	1,2-Dichloropropane	Not Detected		mg/kg						
MB	1,3,5-trimethylbenzene	<0.0015		mg/kg						
MB	1,3-Dichlorobenzene	Not Detected		mg/kg						
MB	1,4-Dichlorobenzene	Not Detected		mg/kg						
MB	2-Butanone	Not Detected		mg/kg						
MB	2-Chlorotoluene	Not Detected		mg/kg						
MB	4-Chlorotoluene	Not Detected		mg/kg						
MB	Acetone	Not Detected		mg/kg						
MB	Acrylonitrile	Not Detected		mg/kg						
MB	Benzene	Not Detected		mg/kg						
MB	Bromobenzene	Not Detected		mg/kg						
MB	Bromochloromethane	Not Detected		mg/kg						
MB	Bromodichloromethane	Not Detected		mg/kg						
MB	Bromoform	Not Detected		mg/kg						
MB	Bromomethane	<0.0038		mg/kg						
MB	Carbon tetrachloride	Not Detected		mg/kg						
MB	Chlorobenzene	Not Detected		mg/kg						
MB	Chlorodibromomethane	Not Detected		mg/kg						
MB	Chloroethane	Not Detected		mg/kg						
MB	Chloroform	<0.0060		mg/kg						
MB	Chloromethane	Not Detected		mg/kg						
MB	cis-1,2-Dichloroethene	Not Detected		mg/kg						
MB	Dichlorodifluoromethane	<0.0052		mg/kg						
MB	Ethylbenzene	Not Detected		mg/kg						
MB	Gasoline Range Organics	Not Detected		mg/kg						
MB	Hexachlorobutadiene	Not Detected		mg/kg						
MB	Hexachloroethane	Not Detected		mg/kg						
MB	Isopropylbenzene	Not Detected		mg/kg						
MB	m&p- xylene	<0.0029		mg/kg						
MB	Methylene Chloride	<0.013		mg/kg						
MB	Naphthalene	<0.0012		mg/kg						
MB	o-xylene	<0.0014		mg/kg						
MB	Styrene	Not Detected		mg/kg						
MB	Tetrachloroethene	Not Detected		mg/kg						
MB	Toluene	<0.0016		mg/kg						
MB	Total Trihalomethanes	Not Detected		mg/kg						
MB	trans-1,2-Dichloroethene	Not Detected		mg/kg						
MB	Trichloroethene	Not Detected		mg/kg						



Division of Environmental Testing

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FINAL RESULTS REPORT

Project Manager: Blair Rollins

Project Name: Love Ranch Pig Launcher

Project Number: N/A

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
MB	Trichlorofluoromethane	Not Detected		mg/kg						
MB	Vinyl chloride	Not Detected		mg/kg						
MB	Xylenes, total	<0.0043		mg/kg						

AA33479

LCS	1,1,1,2-Tetrachloroethane	0.038		mg/kg			76.0			
LCS	1,1,1-Trichloroethane	0.054		mg/kg			108			
LCS	1,1,2,2-Tetrachloroethane	0.033		mg/kg			66.0			
LCS	1,1,2-Trichloroethane	0.037		mg/kg			74.0			
LCS	1,1-Dichloroethene	0.062		mg/kg			124			
LCS	1,2,3-Trichloropropane	0.035		mg/kg			70.0			
LCS	1,2,4-Trichlorobenzene	0.048		mg/kg			96.0			
LCS	1,2,4-trimethylbenzene	0.045		mg/kg			90.0	70 - 130		
LCS	1,2-Dibromoethane	0.041		mg/kg			82.0	70 - 130		
LCS	1,2-Dichlorobenzene	0.044		mg/kg			88.0			
LCS	1,2-Dichloroethane	0.045		mg/kg			90.0	70 - 130		
LCS	1,2-Dichloropropane	0.043		mg/kg			86.0			
LCS	1,3,5-trimethylbenzene	0.043		mg/kg			86.0	70 - 130		
LCS	1,3-Dichlorobenzene	0.046		mg/kg			92.0			
LCS	1,4-Dichlorobenzene	0.045		mg/kg			90.0			
LCS	2-Butanone	0.044		mg/kg			88.0			
LCS	2-Chlorotoluene	0.042		mg/kg			84.0			
LCS	4-Chlorotoluene	0.043		mg/kg			86.0			
LCS	Acetone	0.049		mg/kg			98.0			
LCS	Acrylonitrile	0.062		mg/kg			124			
LCS	Benzene	0.042		mg/kg			84.0	70 - 130		
LCS	Bromobenzene	0.040		mg/kg			80.0			
LCS	Bromochloromethane	0.036		mg/kg			72.0			
LCS	Bromodichloromethane	0.045		mg/kg			90.0			
LCS	Bromoform	0.048		mg/kg			96.0			
LCS	Bromomethane	0.055		mg/kg			110			
LCS	Carbon tetrachloride	0.037		mg/kg			74.0			
LCS	Chlorobenzene	0.039		mg/kg			78.0			
LCS	Chlorodibromomethane	0.040		mg/kg			80.0			
LCS	Chloroethane	0.055		mg/kg			110			
LCS	Chloroform	0.047		mg/kg			94.0			
LCS	Chloromethane	0.042		mg/kg			84.0			
LCS	cis-1,2-Dichloroethene	0.046		mg/kg			92.0			
LCS	Dichlorodifluoromethane	0.059		mg/kg			118			
LCS	Ethylbenzene	0.044		mg/kg			88.0	70 - 130		
LCS	Gasoline Range Organics	0.74		mg/kg			108			
LCS	Hexachlorobutadiene	0.052		mg/kg			104			
LCS	Hexachloroethane	0.040		mg/kg			80.0			
LCS	Isopropylbenzene	0.043		mg/kg			86.0			
LCS	m&p- xylene	0.089		mg/kg			89.0	70 - 130		
LCS	Methylene Chloride	0.047		mg/kg			94.0			
LCS	Naphthalene	0.037		mg/kg			74.0	70 - 130		
LCS	o-xylene	0.043		mg/kg			86.0	70 - 130		



Division of Environmental Testing

2115 N Scranton St Suite 3040A

Aurora, CO 80045

800-440-5184

Report Date : 10/15/2025

Report Time : 14:16

FINAL RESULTS REPORT

Project Manager: Blair Rollins

Project Name: Love Ranch Pig Launcher

Project Number: N/A

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
LCS	Styrene	0.040		mg/kg			80.0			
LCS	Tetrachloroethene	0.045		mg/kg			90.0			
LCS	Toluene	0.041		mg/kg			82.0	70 - 130		
LCS	Total Trihalomethanes	0.180		mg/kg			90.0			
LCS	trans-1,2-Dichloroethene	0.051		mg/kg			102			
LCS	Trichloroethene	0.051		mg/kg			102			
LCS	Trichlorofluoromethane	0.049		mg/kg			98.0			
LCS	Vinyl chloride	0.057		mg/kg			114			
LCS	Xylenes, total	0.132		mg/kg			88.0	70 - 130		

AA33480

LCS	1,1,1,2-Tetrachloroethane	0.041		mg/kg			82.0			
LCS	1,1,1-Trichloroethane	0.061		mg/kg			122			
LCS	1,1,2,2-Tetrachloroethane	0.031		mg/kg			62.0			
LCS	1,1,2-Trichloroethane	0.039		mg/kg			78.0			
LCS	1,1-Dichloroethene	0.047		mg/kg			94.0			
LCS	1,2,3-Trichloropropane	0.035		mg/kg			70.0			
LCS	1,2,4-Trichlorobenzene	0.044		mg/kg			88.0			
LCS	1,2,4-trimethylbenzene	0.041		mg/kg			82.0	70 - 130		
LCS	1,2-Dibromoethane	0.042		mg/kg			84.0	70 - 130		
LCS	1,2-Dichlorobenzene	0.039		mg/kg			78.0			
LCS	1,2-Dichloroethane	0.052		mg/kg			104	70 - 130		
LCS	1,2-Dichloropropane	0.041		mg/kg			82.0			
LCS	1,3,5-trimethylbenzene	0.042		mg/kg			84.0	70 - 130		
LCS	1,3-Dichlorobenzene	0.042		mg/kg			84.0			
LCS	1,4-Dichlorobenzene	0.039		mg/kg			78.0			
LCS	2-Butanone	0.042		mg/kg			84.0			
LCS	2-Chlorotoluene	0.040		mg/kg			80.0			
LCS	4-Chlorotoluene	0.038		mg/kg			76.0			
LCS	Acetone	0.042		mg/kg			84.0			
LCS	Acrylonitrile	0.057		mg/kg			114			
LCS	Benzene	0.041		mg/kg			82.0	70 - 130		
LCS	Bromobenzene	0.041		mg/kg			82.0			
LCS	Bromochloromethane	0.037		mg/kg			74.0			
LCS	Bromodichloromethane	0.049		mg/kg			98.0			
LCS	Bromoform	0.050		mg/kg			100			
LCS	Bromomethane	0.039		mg/kg			78.0			
LCS	Carbon tetrachloride	0.042		mg/kg			84.0			
LCS	Chlorobenzene	0.041		mg/kg			82.0			
LCS	Chlorodibromomethane	0.047		mg/kg			94.0			
LCS	Chloroethane	0.058		mg/kg			116			
LCS	Chloroform	0.051		mg/kg			102			
LCS	Chloromethane	0.038		mg/kg			76.0			
LCS	cis-1,2-Dichloroethene	0.045		mg/kg			90.0			
LCS	Dichlorodifluoromethane	0.056		mg/kg			112			
LCS	Ethylbenzene	0.044		mg/kg			88.0	70 - 130		
LCS	Gasoline Range Organics	0.83		mg/kg			72.0			
LCS	Hexachlorobutadiene	0.059		mg/kg			118			



Division of Environmental Testing

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Aurora, CO 80045

800-440-5184

FINAL RESULTS REPORT

Report Date : 10/15/2025

Report Time : 14:16

Project Manager: Blair Rollins

Project Name: Love Ranch Pig Launcher

Project Number: N/A

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
LCS	Hexachloroethane	0.043		mg/kg			86.0			
LCS	Isopropylbenzene	0.043		mg/kg			86.0			
LCS	m&p- xylene	0.087		mg/kg			87.0	70 - 130		
LCS	Methylene Chloride	0.043		mg/kg			86.0			
LCS	Naphthalene	0.035		mg/kg			70.0	70 - 130		
LCS	o-xylene	0.042		mg/kg			84.0	70 - 130		
LCS	Styrene	0.039		mg/kg			78.0			
LCS	Tetrachloroethene	0.043		mg/kg			86.0			
LCS	Toluene	0.040		mg/kg			80.0	70 - 130		
LCS	Total Trihalomethanes	0.197		mg/kg			98.5			
LCS	trans-1,2-Dichloroethene	0.047		mg/kg			94.0			
LCS	Trichloroethene	0.056		mg/kg			112			
LCS	Trichlorofluoromethane	0.038		mg/kg			76.0			
LCS	Vinyl chloride	0.042		mg/kg			84.0			
LCS	Xylenes, total	0.129		mg/kg			86.0	70 - 130		

Qualifier

Explanation

- H1 Sample received outside of regulatory holding time.
- H2 Sample analyzed outside of regulatory holding time due to a laboratory error.
- P1 Sample received outside temperature requirements, 0-6°C.
- P2 Sample received unpreserved.
- P3 Broken or leaking sample container.
- P4 Sample improperly collected
- P5 Sample incorrectly preserved
- B1 Blank failed high, indicating possible high bias in sample results.
- B2 Blank failed low, indicating possible low bias in sample results.
- MS Matrix Spike / Matrix Spike Duplicate recovery and/or RPD limit exceeded, indicating potential matrix interference.
- D1 Duplicate RPD limit exceeded due to low sample concentration.
- D2 Duplicate RPD limit exceeded due to matrix interference.
- S Surrogate recovery failed, indicating potential matrix interference.
- RL1 Reporting limits raised due to matrix interference.
- RL2 Reporting limits raised due to limited sample.
- U Sample result less than method detection limit.
- J Sample result less than reporting limit but higher than method detection limit.
- EST The concentration indicated has been estimated due to high analyte content.
- E Electronic loss or corruption of data.
- I Subcontracted sample