



**Division of Environmental Testing**

2115 N Scranton St Suite 3040A

Aurora, CO 80045

800-440-5184

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November 19, 2025

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

**Project Manager :** NA  
**Project Name :** Love Ranch Pig Launcher  
**Project Number :** NA

Attached are the analytical results for Love Ranch Pig Launcher NA received by Elevation Diagnostics, Division of Environmental Testing on November 03, 2025. This is associated with Elevation's number AA35787 .

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



Lab Use Only	Observed Temperature Upon Receipt: <u>0.8C</u>	Samples Intact: <input checked="" type="radio"/> Yes <input type="radio"/> No	2025-11-03-007-2
	Corrected Temperature Upon Receipt: <u>0.6C</u>	pH Checked: Yes <input checked="" type="radio"/> No <input type="radio"/>	Lot/EQM Number: <u>NA</u> <u>AN</u>
	Thermometer #: <u>EPX 350</u>	pH Adjusted: Yes <input checked="" type="radio"/> No <input type="radio"/>	
	Correction Factor: <u>-0.6C</u> <u>Dy</u>	PFAS rec'd on ice: Yes <input checked="" type="radio"/> No <input type="radio"/> NA	Name/Lot Number of Adjustment: <u>NA</u>

Last (Blank) Page Added for Field Notes



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 Aurora, CO 80045  
 800-440-5184

**Report Date :** 11/19/2025

**Report Time :** 20:32

**FINAL RESULTS REPORT**

Project Manager: NA		Project Name: Love Ranch Pig Launcher			Project Number: NA		
Sample ID	Customer ID	Collected	Dilution	Result	Units	MDL	Method Ref.
Analyte Name		Result Date/Time					Recovery
<b>AA35787-1</b>	20251030-LOVE RANCH LAUNCHER-(Stock)@1	<b>Collected :</b> 10/30/2025	13:50				
EC & pH soil by saturated paste - EC, soil		11/05/2025	14:18	4.26	mmhos/cm	0.0005	USDA 60/EPA 9045
EC & pH soil by saturated paste - pH soil Temperature		11/05/2025	14:18	19.90	°C		USDA 60/EPA 9045
EC & pH soil by saturated paste - pH, soil		11/05/2025	14:18	8.27	SU	0.01	USDA 60/EPA 9045
SAR Saturated Paste - Calcium		11/06/2025	10:14 10.00	3.78	mEq/L	0.50	EPA 6020B
SAR Saturated Paste - Magnesium		11/06/2025	10:14 10.00	6.83	mEq/L	0.82	EPA 6020B
SAR Saturated Paste - Sodium		11/06/2025	10:14 10.00	29.69	mEq/L	0.43	EPA 6020B
SAR Saturated Paste - Sodium Adsorption Ratio		11/06/2025	10:14 10.00	12.89	No Unit		EPA 6020B
<b>AA35787-2</b>	20251030-LOVE RANCH LAUNCHER-(Stock)@1	<b>Collected :</b> 10/30/2025	13:50				
Chromium VI, Soil		11/05/2025	17:35	<0.08	mg/kg	0.080	EPA 7199
Hot Water Soluble Boron		11/10/2025	06:50	0.98	mg/kg	0.050	Boron Hot Water Extraction
Total Metals, Soils - Arsenic		11/06/2025	09:19 10.00	5.38	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Barium		11/06/2025	09:19 10.00	280.20	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Cadmium		11/06/2025	09:19 10.00	0.21	mg/kg	0.001	EPA 6020B
Total Metals, Soils - Copper		11/06/2025	09:19 10.00	12.16	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Lead		11/06/2025	09:19 10.00	10.82	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Nickel		11/06/2025	09:19 10.00	14.91	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Selenium		11/06/2025	09:19 10.00	2.94	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Silver		11/06/2025	09:19 10.00	<0.25 - RL1	mg/kg	0.25	EPA 6020B
Total Metals, Soils - Zinc		11/06/2025	09:19 10.00	46.53	mg/kg	0.025	EPA 6020B
<b>AA35787-3</b>	20251030-LOVE RANCH LAUNCHER-(Stock)@1	<b>Collected :</b> 10/30/2025	13:50				
DRO & ORO, Soil - DRO		11/17/2025	10:04	Not Detected	mg/kg	100.00	EPA 8015D
DRO & ORO, Soil - ORO		11/17/2025	10:04	Not Detected	mg/kg	100.00	EPA 8015D
SVOC, Soils - 1-methylnaphthalene		11/07/2025	13:00	<0.00313	mg/kg	0.00313	EPA 8270
SVOC, Soils - 2-methylnaphthalene		11/07/2025	13:00	<0.010	mg/kg	0.010	EPA 8270
SVOC, Soils - Acenaphthene		11/07/2025	13:00	Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Anthracene		11/07/2025	13:00	Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benz(a)anthracene		11/07/2025	13:00	Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(a)pyrene		11/07/2025	13:00	Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(b)fluoranthene		11/07/2025	13:00	Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(k)fluoranthene		11/07/2025	13:00	Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Chrysene		11/07/2025	13:00	Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Dibenz(a,h)anthracene		11/07/2025	13:00	Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Fluoranthene		11/07/2025	13:00	Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Fluorene		11/07/2025	13:00	Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Indeno(1,2,3-cd)pyrene		11/07/2025	13:00	Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Naphthalene		11/07/2025	13:00	Not Detected	mg/kg	0.00306	EPA 8270
SVOC, Soils - Pyrene		11/07/2025	13:00	Not Detected	mg/kg	0.010	EPA 8270
VOC, Soils - 1,2,4-trimethylbenzene		11/05/2025	12:27	<0.0016	mg/kg	0.0016	EPA 8260
VOC, Soils - 1,3,5-trimethylbenzene		11/05/2025	12:27	<0.0015	mg/kg	0.0015	EPA 8260
VOC, Soils - Benzene		11/05/2025	12:27	<0.0015	mg/kg	0.0015	EPA 8260



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**FINAL RESULTS REPORT**

**Project Manager:** NA

**Project Name:** Love Ranch Pig Launcher

**Project Number:** NA

Sample ID	Customer ID	Collected		Dilution	Result	Units	MDL	Method Ref.
Analyte Name		Result Date/Time						Recovery
VOC, Soils - Ethylbenzene		11/05/2025	12:27		Not Detected	mg/kg	0.0014	EPA 8260
VOC, Soils - Gasoline Range Organics		11/05/2025	12:27		Not Detected	mg/kg	0.223	EPA 8260
VOC, Soils - m&p- xylene		11/05/2025	12:27		<0.0029	mg/kg	0.0029	EPA 8260
VOC, Soils - o-xylene		11/05/2025	12:27		<0.0014	mg/kg	0.0014	EPA 8260
VOC, Soils - Toluene		11/05/2025	12:27		<0.0016	mg/kg	0.0016	EPA 8260
VOC, Soils - Xylenes, total		11/05/2025	12:27		<0.0043	mg/kg	0.0043	EPA 8260



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**Project Manager:** NA

**Project Name:** Love Ranch Pig Launcher

**Project Number:** NA

**QC Report**

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
<b>BORON-12923</b>										
DUP	AA35672	0.27	0.050	mg/kg					7.7	-15 - 15
DUP	AA35776	0.10	0.050	mg/kg					10.5	-15 - 15
DUP	AA36072	0.37	0.050	mg/kg					5.3	-15 - 15
MB	AA36167	0.00		mg/kg						
LCS	AA36168	0.99		mg/kg	1.00		99.0	80 - 120		
LCS	AA36169	9.69		mg/kg	9.00		108	80 - 120		
<b>CHROM_VI_SOIL-12837</b>										
DUP	AA35110	<0.08	0.080	mg/kg						
MB	AA35870	0.02		mg/kg						
LCS	AA35872	1.49		mg/kg	1.57		94.9	80 - 120		
LCS	AA35873	1.45		mg/kg	1.56		92.9	80 - 120		



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**QC Report**

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
<b>DRO_ORO_SOIL-12855</b>										
<b>AA35770</b>										
Dup	DRO	1568.12				478.88			29.8	- 30
Dup	ORO	487.54				104.59			12.1	- 50
Matrix Spike	DRO	1161.33		mg/kg	700	478.88	97.5	70 - 130		
Matrix Spike	ORO	550.26		mg/kg	350	104.59	127	50 - 150		
<b>AA35942</b>										
MB	DRO	Not Detected		mg/kg						
MB	ORO	Not Detected		mg/kg						
<b>AA35943</b>										
LCS	DRO	408.30		mg/kg			117	70 - 130		
LCS	ORO	419.51		mg/kg			120	50 - 150		
<b>AA35944</b>										
LCS	DRO	383.07		mg/kg			109	70 - 130		
LCS	ORO	393.01		mg/kg			112	50 - 150		
<b>EC_PH-12863</b>										
<b>AA35785</b>										
Dup	EC, soil	0.32	0.0005	mmhos/cm		0.32			<%MDL%	- 5
Dup	pH soil Temperature	19.50		°C		19.40				
Dup	pH, soil	8.27	0.01	SU		8.27			<%MDL%	- 5
<b>AA35974</b>										
LCS	EC, soil	9.77	0.0005	mmhos/cm			97.7	85 - 115		
LCS	pH, soil	6.86	0.01	SU			100	85 - 115		
<b>AA35975</b>										
LCS	EC, soil	9.67	0.0005	mmhos/cm			96.7	85 - 115		
LCS	pH, soil	6.87	0.01	SU			100	85 - 115		
<b>METALS_S-12870</b>										
<b>AA35110</b>										
Dup	Arsenic	4.88	0.025	mg/kg		4.64			5.04	0 - 15
Dup	Barium	189.62	0.025	mg/kg		176.30			7.28	0 - 15
Dup	Cadmium	0.21	0.001	mg/kg		0.21			<%MDL%	0 - 15
Dup	Copper	10.26	0.025	mg/kg		10.21			0.489	0 - 15
Dup	Lead	9.02	0.025	mg/kg		8.53			5.58	0 - 15
Dup	Nickel	9.42	0.025	mg/kg		9.68			2.72	0 - 15
Dup	Selenium	3.02	0.025	mg/kg		2.96			2.01	0 - 15
Dup	Silver	<0.25	0.25	mg/kg		<0.25				
Dup	Zinc	37.77	0.025	mg/kg		37.18			1.57	0 - 15
Matrix Spike	Arsenic	22.99		mg/kg	20	4.64	91.8	80 - 120		
Matrix Spike	Barium	196.11		mg/kg	20	176.30	99.0	80 - 120		
Matrix Spike	Cadmium	18.57		mg/kg	20	0.21	91.8	80 - 120		
Matrix Spike	Copper	28.81		mg/kg	20	10.21	93.0	80 - 120		
Matrix Spike	Lead	30.25		mg/kg	20	8.53	109	80 - 120		
Matrix Spike	Nickel	29.07		mg/kg	20	9.68	97.0	80 - 120		
Matrix Spike	Selenium	22.55		mg/kg	20	2.96	98.0	80 - 120		
Matrix Spike	Silver	16.10		mg/kg	20	<0.25	80.5	80 - 120		



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**Project Manager:** NA

**Project Name:** Love Ranch Pig Launcher

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**QC Report**

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
Matrix Spike	Zinc	57.32		mg/kg	20	37.18	101	80 - 120		
<b>AA35932</b>										
Dup	Arsenic	5.74	0.025	mg/kg		5.43			5.55	0 - 15
Dup	Barium	227.00	0.025	mg/kg		213.03			6.35	0 - 15
Dup	Cadmium	0.16	0.001	mg/kg		0.15			6.45	0 - 15
Dup	Copper	10.41	0.025	mg/kg		10.15			2.53	0 - 15
Dup	Lead	9.78	0.025	mg/kg		9.03			7.97	0 - 15
Dup	Nickel	12.19	0.025	mg/kg		11.55			5.39	0 - 15
Dup	Selenium	2.64	0.025	mg/kg		2.33			12.5	0 - 15
Dup	Silver	<0.25	0.25	mg/kg		<0.25				
Dup	Zinc	40.59	0.025	mg/kg		38.31			5.78	0 - 15
Matrix Spike	Arsenic	24.04		mg/kg	20	5.43	93.0	80 - 120		
Matrix Spike	Barium	265.24		mg/kg	20	213.03	261	80 - 120		
Matrix Spike	Cadmium	18.47		mg/kg	20	0.15	91.6	80 - 120		
Matrix Spike	Copper	27.02		mg/kg	20	10.15	84.4	80 - 120		
Matrix Spike	Lead	29.02		mg/kg	20	9.03	100	80 - 120		
Matrix Spike	Nickel	29.20		mg/kg	20	11.55	88.2	80 - 120		
Matrix Spike	Selenium	22.09		mg/kg	20	2.33	98.8	80 - 120		
Matrix Spike	Silver	15.26		mg/kg	20	<0.25	76.3	80 - 120		
Matrix Spike	Zinc	60.50		mg/kg	20	38.31	111	80 - 120		
<b>AA36027</b>										
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						
<b>AA36029</b>										
LCS	Arsenic	0.10		mg/kg			100	80 - 120		
LCS	Barium	0.10		mg/kg			100	80 - 120		
LCS	Cadmium	0.10		mg/kg			100	80 - 120		
LCS	Copper	0.10		mg/kg			100	80 - 120		
LCS	Lead	0.10		mg/kg			100	80 - 120		
LCS	Nickel	0.10		mg/kg			100	80 - 120		
LCS	Selenium	0.10		mg/kg			100	80 - 120		
LCS	Silver	0.09		mg/kg			90.0	80 - 120		
LCS	Zinc	0.10		mg/kg			100	80 - 120		
<b>AA36030</b>										
LCS	Arsenic	0.10		mg/kg			100	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		



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**FINAL RESULTS REPORT**

**Project Manager:** NA

**Project Name:** Love Ranch Pig Launcher

**Project Number:** NA

**QC Report**

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
LCS	Nickel	0.10		mg/kg			100	80 - 120		
LCS	Selenium	0.10		mg/kg			100	80 - 120		
LCS	Silver	0.09		mg/kg			90.0	80 - 120		
LCS	Zinc	0.10		mg/kg			100	80 - 120		

**SAR-12890**

**AA35785**

Dup	Calcium	1.36		mEq/L	1.36	1.55			13.1	- 20
Dup	Magnesium	<0.82		mEq/L	<0.82	<0.82				
Dup	Sodium	0.61		mEq/L	0.61	0.70			13.7	- 20
Dup	Sodium Adsorption Ratio	0.64		mEq/L	0.64	0.66			3.08	- 20

**AA36081**

MB	Calcium	-0.01		mEq/L						
MB	Magnesium	0.00		mEq/L						
MB	Sodium	0.00		mEq/L						
MB	Sodium Adsorption Ratio	0.00								

**AA36082**

LCS	Calcium	8.97		ppm			89.7	80 - 120		
LCS	Magnesium	11.72		ppm			117	80 - 120		
LCS	Sodium	11.12		ppm			111	80 - 120		
LCS	Sodium Adsorption Ratio	0.58		ppm			107	80 - 120		

**AA36083**

LCS	Calcium	488.53		ppm			97.7	80 - 120		
LCS	Magnesium	499.40		ppm			99.9	80 - 120		
LCS	Sodium	496.67		ppm			99.3	80 - 120		
LCS	Sodium Adsorption Ratio	3.78		ppm			100	80 - 120		

**SVOC SOIL-12938**

**AA35665**

Dup	1-methylnaphthalene	0.290	0.00313	mg/kg		Not Detected			15.6	- 30
Dup	2-methylnaphthalene	0.320	0.010	mg/kg		Not Detected			13.3	- 30
Dup	Acenaphthene	0.308	0.010	mg/kg		Not Detected			15.0	- 30
Dup	Anthracene	0.304	0.010	mg/kg		Not Detected			15.2	- 30
Dup	Benz(a)anthracene	0.282	0.010	mg/kg		Not Detected			19.9	- 30
Dup	Benzo(a)pyrene	0.263	0.010	mg/kg		Not Detected			22.4	- 30
Dup	Benzo(b)fluoranthene	0.287	0.010	mg/kg		Not Detected			18.3	- 30
Dup	Benzo(k)fluoranthene	0.232	0.010	mg/kg		Not Detected			21.0	- 30
Dup	Chrysene	0.258	0.010	mg/kg		Not Detected			20.5	- 30
Dup	Dibenz(a,h)anthracene	0.278	0.010	mg/kg		Not Detected			23.3	- 30
Dup	Fluoranthene	0.306	0.010	mg/kg		Not Detected			12.5	- 30
Dup	Fluorene	0.338	0.010	mg/kg		Not Detected			14.9	- 30
Dup	Indeno(1,2,3-cd)pyrene	0.274	0.010	mg/kg		Not Detected			24.1	- 30
Dup	Naphthalene	0.309	0.00306	mg/kg		Not Detected			14.6	- 30
Dup	Pyrene	0.300	0.010	mg/kg		Not Detected			16.6	- 30
Matrix Spike	1-methylnaphthalene	0.248	0.00313	mg/kg	0.300	Not Detected	82.7	70 - 130		
Matrix Spike	2-methylnaphthalene	0.280	0.010	mg/kg	0.300	Not Detected	93.3	70 - 130		
Matrix Spike	Acenaphthene	0.265	0.010	mg/kg	0.300	Not Detected	88.3	70 - 130		
Matrix Spike	Anthracene	0.261	0.010	mg/kg	0.300	Not Detected	87.0	70 - 130		



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**Project Manager:** NA

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**QC Report**

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
Matrix Spike	Benz(a)anthracene	0.231	0.010	mg/kg	0.300	Not Detected	77.0	70 - 130		
Matrix Spike	Benzo(a)pyrene	0.210	0.010	mg/kg	0.300	Not Detected	70.0	70 - 130		
Matrix Spike	Benzo(b)fluoranthene	0.239	0.010	mg/kg	0.300	Not Detected	79.7	70 - 130		
Matrix Spike	Benzo(k)fluoranthene	0.188	0.010	mg/kg	0.300	Not Detected	62.7	70 - 130		
Matrix Spike	Chrysene	0.210	0.010	mg/kg	0.300	Not Detected	70.0	70 - 130		
Matrix Spike	Dibenz(a,h)anthracene	0.220	0.010	mg/kg	0.300	Not Detected	73.3	70 - 130		
Matrix Spike	Fluoranthene	0.270	0.010	mg/kg	0.300	Not Detected	90.0	70 - 130		
Matrix Spike	Fluorene	0.291	0.010	mg/kg	0.300	Not Detected	97.0	70 - 130		
Matrix Spike	Indeno(1,2,3-cd)pyrene	0.215	0.010	mg/kg	0.300	Not Detected	71.7	70 - 130		
Matrix Spike	Naphthalene	0.267	0.00306	mg/kg	0.300	Not Detected	89.0	70 - 130		
Matrix Spike	Pyrene	0.254	0.010	mg/kg	0.300	Not Detected	84.7	70 - 130		

**AA36240**

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						

**AA36241**

LCS	1-methylnaphthalene	0.315	0.00313	mg/kg			105	70 - 130		
LCS	2-methylnaphthalene	0.346	0.010	mg/kg			115	70 - 130		
LCS	Acenaphthene	0.339	0.010	mg/kg			113	70 - 130		
LCS	Anthracene	0.362	0.010	mg/kg			121	70 - 130		
LCS	Benz(a)anthracene	0.319	0.010	mg/kg			106	70 - 130		
LCS	Benzo(a)pyrene	0.310	0.010	mg/kg			103	70 - 130		
LCS	Benzo(b)fluoranthene	0.319	0.010	mg/kg			106	70 - 130		
LCS	Benzo(k)fluoranthene	0.268	0.010	mg/kg			89.3	70 - 130		
LCS	Chrysene	0.288	0.010	mg/kg			96.0	70 - 130		
LCS	Dibenz(a,h)anthracene	0.317	0.010	mg/kg			106	70 - 130		
LCS	Fluoranthene	0.344	0.010	mg/kg			115	70 - 130		
LCS	Fluorene	0.363	0.010	mg/kg			121	70 - 130		
LCS	Indeno(1,2,3-cd)pyrene	0.305	0.010	mg/kg			102	70 - 130		
LCS	Naphthalene	0.352	0.00306	mg/kg			117	70 - 130		
LCS	Pyrene	0.338	0.010	mg/kg			113	70 - 130		

**AA36242**

LCS	1-methylnaphthalene	0.325	0.00313	mg/kg			108	70 - 130		
LCS	2-methylnaphthalene	0.348	0.010	mg/kg			116	70 - 130		



**Division of Environmental Testing**

2115 N Scranton St Suite 3040A

Aurora, CO 80045

800-440-5184

**Report Date :** 11/19/2025

**Report Time :** 20:32

**FINAL RESULTS REPORT**

**Project Manager:** NA

**Project Name:** Love Ranch Pig Launcher

**Project Number:** NA

**QC Report**

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
LCS	Acenaphthene	0.329	0.010	mg/kg			110	70 - 130		
LCS	Anthracene	0.312	0.010	mg/kg			104	70 - 130		
LCS	Benz(a)anthracene	0.295	0.010	mg/kg			98.3	70 - 130		
LCS	Benzo(a)pyrene	0.268	0.010	mg/kg			89.3	70 - 130		
LCS	Benzo(b)fluoranthene	0.306	0.010	mg/kg			102	70 - 130		
LCS	Benzo(k)fluoranthene	0.250	0.010	mg/kg			83.3	70 - 130		
LCS	Chrysene	0.276	0.010	mg/kg			92.0	70 - 130		
LCS	Dibenz(a,h)anthracene	0.297	0.010	mg/kg			99.0	70 - 130		
LCS	Fluoranthene	0.333	0.010	mg/kg			111	70 - 130		
LCS	Fluorene	0.362	0.010	mg/kg			121	70 - 130		
LCS	Indeno(1,2,3-cd)pyrene	0.291	0.010	mg/kg			97.0	70 - 130		
LCS	Naphthalene	0.319	0.00306	mg/kg			106	70 - 130		
LCS	Pyrene	0.324	0.010	mg/kg			108	70 - 130		

**VOC\_S-12859**

**AA35774**

Dup	1,2,4-trimethylbenzene	0.053	0.0016	mg/kg		<0.0016			20.3	- 30
Dup	1,3,5-trimethylbenzene	0.054	0.0015	mg/kg		<0.0015			20.0	- 30
Dup	Benzene	0.054	0.0015	mg/kg		Not Detected			18.5	- 30
Dup	Ethylbenzene	0.059	0.0014	mg/kg		<0.0014			19.8	- 30
Dup	Gasoline Range Organics	0.95	0.223	mg/kg		Not Detected			3.66	
Dup	m&p- xylene	0.120	0.0029	mg/kg		<0.0029			20.9	- 30
Dup	o-xylene	0.057	0.0014	mg/kg		<0.0014			19.0	- 30
Dup	Toluene	0.056	0.0016	mg/kg		<0.0016			19.4	- 30
Dup	Xylenes, total	0.177	0.0043	mg/kg		<0.0043			20.3	- 30
Matrix Spike	1,2,4-trimethylbenzene	0.065		mg/kg	0.050	<0.0016	130	70 - 130		
Matrix Spike	1,3,5-trimethylbenzene	0.066		mg/kg	0.050	<0.0015	132	70 - 130		
Matrix Spike	Benzene	0.065		mg/kg	0.050	Not Detected	130	70 - 130		
Matrix Spike	Ethylbenzene	0.072		mg/kg	0.050	<0.0014	144	70 - 130		
Matrix Spike	Gasoline Range Organics	0.88		mg/kg	2.54	Not Detected	74.0			
Matrix Spike	m&p- xylene	0.148		mg/kg	0.100	<0.0029	148	70 - 130		
Matrix Spike	o-xylene	0.069		mg/kg	0.050	<0.0014	138	70 - 130		
Matrix Spike	Toluene	0.068		mg/kg	0.050	<0.0016	136	70 - 130		
Matrix Spike	Xylenes, total	0.217		mg/kg	0.150	<0.0043	145	70 - 130		

**AA35968**

MB	1,2,4-trimethylbenzene	<0.0016		mg/kg						
MB	1,3,5-trimethylbenzene	<0.0015		mg/kg						
MB	Benzene	Not Detected		mg/kg						
MB	Ethylbenzene	<0.0014		mg/kg						
MB	Gasoline Range Organics	Not Detected		mg/kg						
MB	m&p- xylene	<0.0029		mg/kg						
MB	o-xylene	<0.0014		mg/kg						
MB	Toluene	<0.0016		mg/kg						
MB	Xylenes, total	<0.0043		mg/kg						

**AA35969**

LCS	1,2,4-trimethylbenzene	0.054		mg/kg			108	70 - 130		
LCS	1,3,5-trimethylbenzene	0.053		mg/kg			106	70 - 130		



**Division of Environmental Testing**

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**Report Date :** 11/19/2025

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**FINAL RESULTS REPORT**

**Project Manager:** NA

**Project Name:** Love Ranch Pig Launcher

**Project Number:** NA

**QC Report**

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
LCS	Benzene	0.042		mg/kg			84.0	70 - 130		
LCS	Ethylbenzene	0.052		mg/kg			104	70 - 130		
LCS	Gasoline Range Organic	2.21		mg/kg			87.0			
LCS	m&p- xylene	0.105		mg/kg			105	70 - 130		
LCS	o-xylene	0.052		mg/kg			104	70 - 130		
LCS	Toluene	0.047		mg/kg			94.0	70 - 130		
LCS	Xylenes, total	0.157		mg/kg			105	70 - 130		

**AA35970**

LCS	1,2,4-trimethylbenzene	0.051		mg/kg			102	70 - 130		
LCS	1,3,5-trimethylbenzene	0.049		mg/kg			98.0	70 - 130		
LCS	Benzene	0.049		mg/kg			98.0	70 - 130		
LCS	Ethylbenzene	0.052		mg/kg			104	70 - 130		
LCS	Gasoline Range Organic	3.09		mg/kg			122			
LCS	m&p- xylene	0.101		mg/kg			101	70 - 130		
LCS	o-xylene	0.052		mg/kg			104	70 - 130		
LCS	Toluene	0.048		mg/kg			96.0	70 - 130		
LCS	Xylenes, total	0.153		mg/kg			102	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