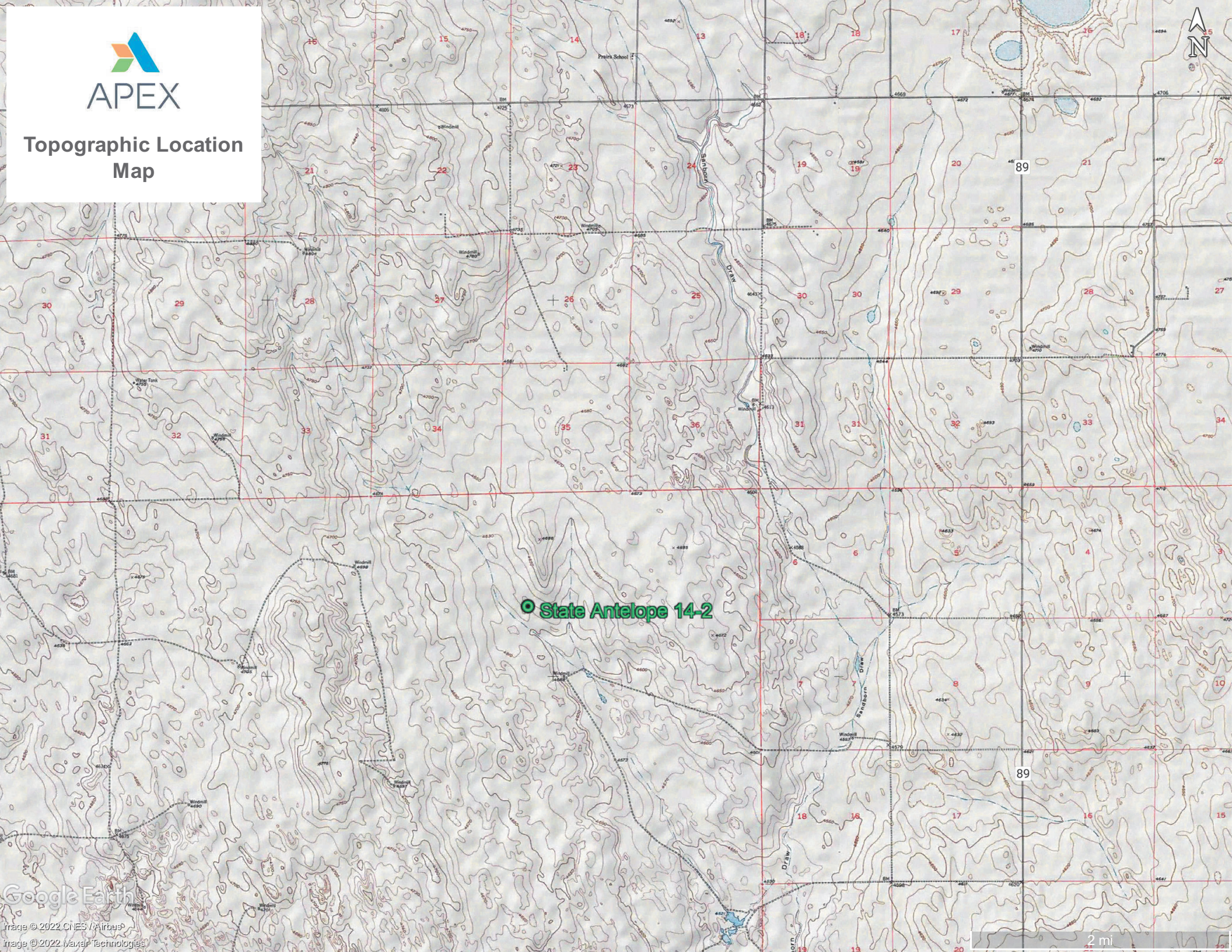
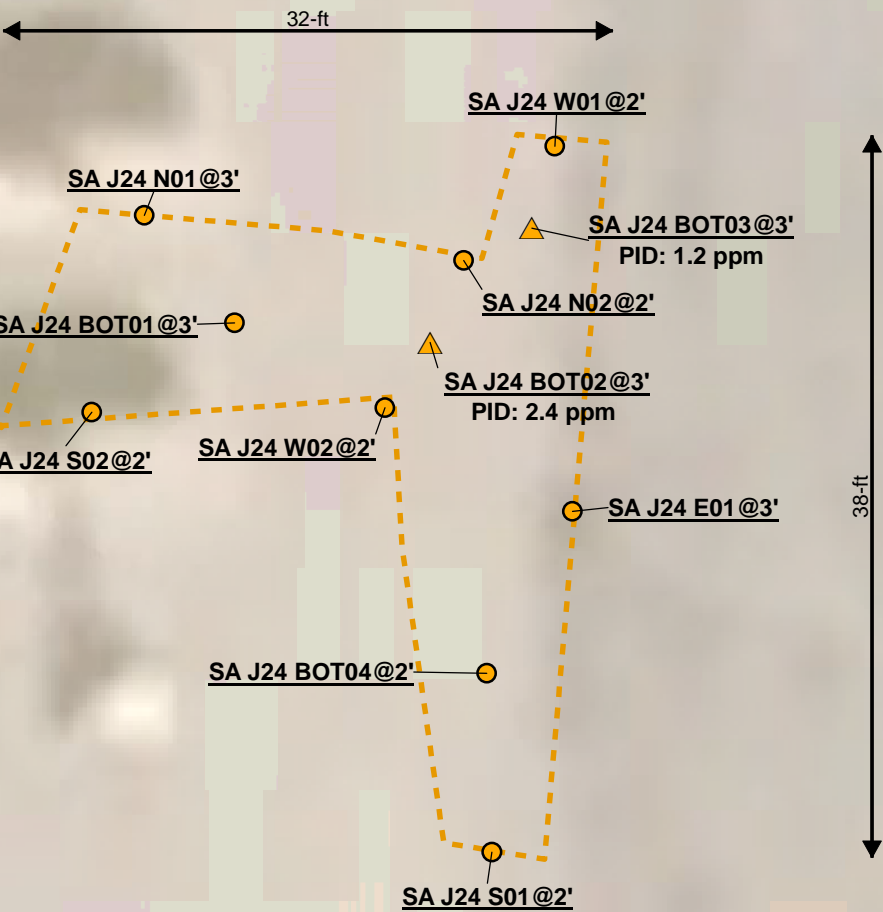




Topographic Location Map



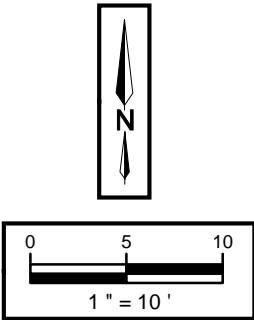
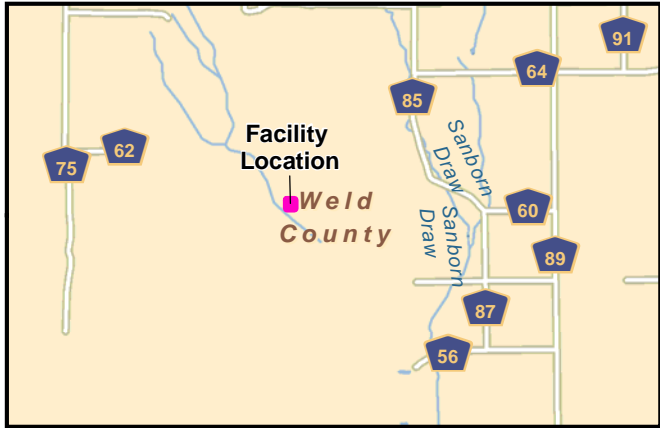
BACKGROUND SAMPLE



Bonanza Creek Energy
State Antelope J24-2-14
COGCC Location ID: 435952
Site Diagram

Legal Description: SWSW, Sec 2, T5N R68W
County: Weld
Land Use: Non-cropland
Topography: 0-3% Slopes
Run-Off Risk: Very low
Soil Type: Osgood sand
Receiving Waters: Unnamed trib

- Soil Sample - Laboratory Analysis (3/4/2022)
- Soil Sample - Field-Screen Only (3/4/2022)
- Excavation Extent (3/4/2022)



Sample ID	Latitude NAD83	Longitude NAD83	Sample ID	Latitude NAD83	Longitude NAD83
SA J24 BKG01@6"	40.423810	-104.295619	SA J24 N01@3'	40.424402	-104.295611
SA J24 BOT01@3'	40.424386	-104.295594	SA J24 N02@2'	40.424395	-104.295551
SA J24 BOT02@3"	40.424383	-104.295557	SA J24 S01@2'	40.424310	-104.295546
SA J24 BOT03@3'	40.424400	-104.295538	SA J24 S02@2'	40.424374	-104.295621
SA J24 BOT04@2'	40.424336	-104.295547	SA J24 W01@2'	40.424411	-104.295534
SA J24 E01@3'	40.424359	-104.295531	SA J24 W02@2'	40.424374	-104.295566

		Organic Compounds in Soils (mg/kg)							
COGCC Allowable Concentration (Soil) -->		500	1.2/0.0026(M)	490/0.69(M)	5.8/0.78(M)	58/9.9(M)	30/0.0081(R)	27/0.0087(R)	2/0.0038(R)
Site Specific Background -->									
Sample Date	Sample ID	TPH (total volatile [C6-C10] and extractable [C10-C36] hydrocarbons)	Benzene	Toluene	Ethylbenzene	Xylenes (sum of o-, m-, and p- isomers = total xylenes)	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Naphthalene
3/4/2022	SA J24 N01@3'	<1.00	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00067
3/4/2022	SA J24 N02@2'	<1.00	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00067
3/4/2022	SA J24 W01@2'	<1.00	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00067
3/4/2022	SA J24 E01@3'	<1.00	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00067
3/4/2022	SA J24 S01@2'	<1.00	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00067
3/4/2022	SA J24 W02@2'	<1.00	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00067
3/4/2022	SA J24 S02@2'	<1.00	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	0.000807
3/4/2022	SA J24 BOT01@3'	<1.00	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00067
3/4/2022	SA J24 BOT04@3'	<1.00	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00067
3/4/2022	SA J24 BKG01@6"	NA	NA	NA	NA	NA	NA	NA	NA



Laboratory Results Summary Table **State Antelope 14-2** **Soil - Organics**

			Organic Compounds in Soils (mg/kg)							
COGCC Allowable Concentration (Soil) -->			500	1.2/0.0026(M)	490/0.69(M)	5.8/0.78(M)	58/9.9(M)	30/0.0081(R)	27/0.0087(R)	2/0.0038(R)
Site Specific Background -->										
Location	Sample Date	Sample ID	TPH (total volatile [C6-C10] and extractable [C10-C36] hydrocarbons)	Benzene	Toluene	Ethylbenzene	Xylenes (sum of o-, m- and p- isomers = total xylenes)	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Naphthalene
State Antelope 14-2 J24	3/4/2022	SA J24 N01@3'	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00067
State Antelope 14-2 J24	3/4/2022	SA J24 N02@2'	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00067
State Antelope 14-2 J24	3/4/2022	SA J24 W01@2'	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00067
State Antelope 14-2 J24	3/4/2022	SA J24 E01@3'	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00067
State Antelope 14-2 J24	3/4/2022	SA J24 S01@2'	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00067
State Antelope 14-2 J24	3/4/2022	SA J24 W02@2'	<100	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00067
State Antelope 14-2 J24	3/4/2022	SA J24 S02@2'	<1.00	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	0.000807
State Antelope 14-2 J24	3/4/2022	SA J24 BOT01@3'	<1.00	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00067
State Antelope 14-2 J24	3/4/2022	SA J24 BOT04@3'	<1.00	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00200	<0.00067

Legend:

COGCC - Colorado Oil and Gas Conservation Commission

Orange Highlight - COGCC Table 915-1 TPH, BTEX, organic, metal exceedance

Yellow Highlight - COGCC Table 915-1 inorganic exceedance

Grey Highlight - below laboratory detection limit

Light Blue Highlight - exceedance of protection of groundwater soil screening level concentrations risk based (R) or MCL based (M)

MCL - maximum contaminant level

NA - not analyzed

mg/kg - milligrams per kilogram

mmhos/cm - millimhos per centimeter



Laboratory Results Summary Table
State Antelope 14-2
Soil - PAH

			Organic Compounds in Soils (mg/kg)													
COGCC Allowable Concentration (Soil) -->			360/0.55(R)	1800/5.8(R)	1.1/0.011(R)	1.1/0.3(R)	11/2.9(R)	0.11/0.24(M)	110/9(R)	0.11/0.096(R)	240/8.9(R)	240/0.54(R)	1.1/0.98(R)	18/0.006(R)	24/0.019(R)	180/1.3(R)
Site Specific Background -->																
Location	Sample Date	Sample ID	Acenaphthene	Anthracene	Benzo(a)anthracene	Benzo(b)fluoranthene	Benzo(k)fluoranthene	Benzo(a)pyrene	Chrysene	Dibenz(a,h)anthracene	Fluoranthene	Fluorene	Indeno(1,2,3-cd)pyrene	1-Methylnaphthalene	2-Methylnaphthalene	Pyrene
State Antelope 14-2 J24	3/4/2022	SA J24 N01@3'	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
State Antelope 14-2 J24	3/4/2022	SA J24 N02@2'	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
State Antelope 14-2 J24	3/4/2022	SA J24 W01@2'	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
State Antelope 14-2 J24	3/4/2022	SA J24 E01@3'	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
State Antelope 14-2 J24	3/4/2022	SA J24 S01@2'	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
State Antelope 14-2 J24	3/4/2022	SA J24 W02@2'	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
State Antelope 14-2 J24	3/4/2022	SA J24 S02@2'	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	0.000445	0.00129	<0.00067
State Antelope 14-2 J24	3/4/2022	SA J24 BOT01@3'	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067
State Antelope 14-2 J24	3/4/2022	SA J24 BOT04@3'	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067	<0.00067

Legend:

COGCC - Colorado Oil and Gas Conservation Commission

Orange Highlight - COGCC Table 915-1 TPH, BTEX, organic, metal exceedance

Yellow Highlight - COGCC Table 915-1 inorganic exceedance

Grey Highlight - below laboratory detection limit

Light Blue Highlight - exceedance of protection of groundwater soil screening level concentrations risk based (R) or MCL based (M)

MCL - maximum contaminant level

NA - not analyzed

mg/kg - milligrams per kilogram

mmhos/cm - millimhos per centimeter



Laboratory Results Summary Table

State Antelope 14-2

Soil - Inorganics

			Soil Suitability for Reclamation				Metals in Soils (mg/kg)									
COGCC Allowable Concentration (Soil) -->			<4	<6	(6-8.3)	2	0.68/0.29(M)	15000/82(M)	71/0.38(M)	0.3/0.00067(R)	3100/46(M)	400/14(M)	1500/26(R)	390/0.26(M)	390/0.8(R)	23000/370(R)
Site Specific Background -->							2.0375	170						0.2875		
Location	Sample Date	Sample ID	Electrical Conductivity (EC) (by saturated paste method) (mmhos/cm)	Sodium Adsorption Ratio (SAR) (by saturated paste method) (Calculation)	pH (by saturated paste method) (pH Units)	Boron (hot water soluble soil extract) (mg/L)	Arsenic	Barium	Cadmium	Chromium (VI)	Copper	Lead	Nickel	Selenium	Silver	Zinc
State Antelope 14-2 J24	3/4/2022	SA J24 N01@3'	0.557	0.399	7.96	<0.0989	1.36	34.9	0.0726	<0.5	2.59	3.66	3.07	0.22	0.0178	14.3
State Antelope 14-2 J24	3/4/2022	SA J24 N02@2'	0.308	0.650	8.04	0.120	1.53	38.5	0.0752	<0.5	2.81	4.21	3.09	0.237	0.0115	14.7
State Antelope 14-2 J24	3/4/2022	SA J24 W01@2'	0.184	0.088	7.45	<0.0994	1.25	24.4	0.0679	<0.517	2.33	3.48	2.6	0.273	0.0096	12.9
State Antelope 14-2 J24	3/4/2022	SA J24 E01@3'	0.177	0.122	8.19	0.200	1.63	32.5	0.0604	<1.01	2.35	3.6	2.9	0.3	0.009	14.4
State Antelope 14-2 J24	3/4/2022	SA J24 S01@2'	2.20	5.250	7.62	0.139	1.49	58.6	0.0796	<0.505	3.07	4.29	2.75	0.262	0.0101	14.5
State Antelope 14-2 J24	3/4/2022	SA J24 W02@2'	0.220	0.428	8.08	0.119	1.45	29.8	0.0703	<0.508	2.58	3.86	3.05	0.266	0.0095	14.5
State Antelope 14-2 J24	3/4/2022	SA J24 S02@2'	0.624	0.980	8.04	0.0993	1.44	61.1	0.0705	<0.5	3.23	3.96	3.61	0.294	0.0122	16.2
State Antelope 14-2 J24	3/4/2022	SA J24 BOT01@3'	1.05	1.08	7.93	0.140	2.81	69.3	0.0809	<0.505	3.26	4.55	3.6	0.271	0.0116	17.2
State Antelope 14-2 J24	3/4/2022	SA J24 BOT04@3'	0.682	0.339	7.83	0.140	2.3	30.8	0.0738	<1	2.64	3.7	3.03	0.3	0.0069	14
State Antelope 14-2 J24	3/4/2022	SA J24 BKG01@6"	0.461	0.115	7.86	0.238	1.63	136	0.079	<0.51	3.78	3.69	3.42	0.23	0.0129	15.9

Legend:

COGCC - Colorado Oil and Gas Conservation Commission

Orange Highlight - COGCC Table 915-1 TPH, BTEX, organic, metal exceedance

Yellow Highlight - COGCC Table 915-1 inorganic exceedance

Grey Highlight - below laboratory detection limit

Light Blue Highlight - exceedance of protection of groundwater soil screening level concentrations risk based (R) or MCL based (M)

MCL - maximum contaminant level

NA - not analyzed

mg/kg - milligrams per kilogram

mmhos/cm - millimhos per centimeter



Description:

State Antelope 14-2 Separator J14-2 Placard



Description:

Excavation Facing SSW



Description:

Excavation Facing E











Description:

S01@2'



Description:

BOT01@3'



Latitude: 40.424405
Longitude: -104.295608
Elevation: 1407.17±6 m
Accuracy: 3.8 m
Azimuth: 275° (W)
Pitch: -18.8° (-0.7°)
Time: 03-04-2022 16:34
Note: Bonanza State Antelope E-2-14
SA J24 B02@3'

Powered by AngleCam

Description:

BOT02@3'



Description:

BOT03@3'





March 16, 2022

Apex Companies, LLC
Maggie Graham
4150 Darley Avenue, Suite 1

Boulder CO 80305

Project Name - Bonanza - State Antelope 14-2 J24 Project Number - -

Attached are your analytical results for Bonanza - State Antelope 14-2 J24 received by Origins Laboratory, Inc. March 07, 2022. This project is associated with Origins project number Y203170-01.

The analytical results in the following report were analyzed under the guidelines of EPA Methods. These methods are identified as follows; "SW" are defined in SW-846, "EPA" are defined in 40CFR part 136 and "SM" are defined in the most current revision of Standard Methods For the Examination of Water and Wastewater.

The analytical results apply specifically to the samples and analyses specified per the attached Chain of Custody. As such, this report shall not be reproduced except in full, without the written approval of Origin's laboratory.

Unless otherwise noted, the analytical results for all soil samples are reported on a wet weight basis. All analytical analyses were performed under NELAP guidelines unless noted by a data qualifier.

Any holding time exceedances, deviations from the method specifications or deviations from Origins Laboratory's Standard Operating Procedures are outlined in the case narrative.

Thank you for selecting Origins for your analytical needs. Please contact us with any questions concerning this report, or if we can help with anything at all.

Origins Laboratory, Inc.
303.433.1322
o-squad@oelabinc.com



1725 Elk Place, Denver, CO 80211 | Phone: 303.433.1322 | Fax: 303.265.9645

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

CROSS REFERENCE REPORT

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SA J24 N01@3'	Y203170-01	Soil	March 4, 2022 15:56	03/07/2022 10:40
SA J24 N02@2'	Y203170-02	Soil	March 4, 2022 16:02	03/07/2022 10:40
SA J24 W01@2'	Y203170-03	Soil	March 4, 2022 16:08	03/07/2022 10:40
SA J24 E01@3'	Y203170-04	Soil	March 4, 2022 16:12	03/07/2022 10:40
SA J24 S01@2'	Y203170-05	Soil	March 4, 2022 16:15	03/07/2022 10:40
SA J24 W02@2'	Y203170-06	Soil	March 4, 2022 16:19	03/07/2022 10:40
SA J24 S02@2'	Y203170-07	Soil	March 4, 2022 16:21	03/07/2022 10:40
SA J24 BOT01@3'	Y203170-08	Soil	March 4, 2022 16:28	03/07/2022 10:40
SA J24 BOT04@3'	Y203170-09	Soil	March 4, 2022 16:43	03/07/2022 10:40
SA J24 BKG01@6"	Y203170-10	Soil	March 4, 2022 16:46	03/07/2022 10:40

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

www.originslaboratory.com

1203170



page 1 of 1

ORIGINS

LABORATORY, INC

Client: Apex Companies
Address: 1746 Cole Blvd. Ste. 250
Telephone Number: 907-538-7699
Email Address: maggie.graham@apexcos.com
Project Manager: Maggie Graham (Apex)
Project Name: Civitas/Bonanza State Antelope 14-2 J24
Project Number: *Adrian Voss*
Samples Collected By: *Adrian Voss*

DenverRemediation@ApexCos.onmicrosoft.com

Sample ID Description	Date Sampled	Time Sampled	# of Containers	Preservative				Matrix		Analysis	Sample Instructions	
				Unpreserved	HCl	HNO ₃	Other	Groundwater	Soil			Air Summa #
SA J24 N01@3'	3/4/2022	15:56	2	X					X	Full 915 Suite	"Modified 915"= 1	
SA J24 N02@2'		16:02	2	X					X	Full 915 Suite	GIBTEX, DRO/ORO 2	
SA J24 W01@2'		16:08	2	X					X	Full 915 Suite	Naphthalene 3	
SA J24 E01@3'		16:12	2	X					X	Full 915 Suite	1,2,4 + 1,3, 5 Trimerhynaphthalene 4	
SA J24 S01@2'		16:15	2	X					X	Full 915 Suite	EC, SAR, pH, Boron 5	
SA J24 W02@2'		16:19	2	X					X	Full 915 Suite	6	
SA J24 S02@2'		16:21	2	X					X	Full 915 Suite	Full 915= 7	
SA J24 B01@3'		16:28	2	X					X	Full 915 Suite	All above + 915 Metals+ 915 PAHs 8	
SA J24 B01@4@3'		16:43	2	X					X	Full 915 Suite	9	
SA J24 BKG01@6"		16:46	2	X					X	pH, SAR, EC, Boron, 915 metals	10	
Relinquished By: 	Date: 3-7-22	Time: 10:10							Received By: 	Date: 3-7-22	Time: 10:10	Turnaround Time: Same Day: <input checked="" type="checkbox"/> 24 Hr <input type="checkbox"/> 48 Hr <input type="checkbox"/> 72 Hr <input type="checkbox"/> Standard <input type="checkbox"/>
Relinquished By:	Date:	Time:							Received By:	Date:	Time:	

Date Results Needed

7

Origins Laboratory, Inc.

Jen Pellegrini

Jen Pellegrini, Project Manager

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

Origins Laboratory

F-012207-01-R1
Effective Date: 01/09/12

Sample Receipt Checklist

Origins Work Order: 420370

Client: Apex

Client Project ID: Bonanza - State Antelope

Checklist Completed by: KH

Shipped Via: TD

(UPS, FedEx, Hand Delivered, Pick-up, etc.)

Date/time completed: 3/7/22

Airbill #: MT

Matrix(s) Received: (Check all that apply): / Soil/Solid / Water / Other: /

Cooler Number/Temperature: 1 / 0.4 °C / °C / °C / °C (Describe)

Thermometer ID: TC03

Requirement Description	Yes	No	N/A	Comments (if any)
If samples require cooling, was the temperature between 0°C to ≤ 6°C ⁽¹⁾ ?	<u>/</u>			
Is there ice present (document if blue ice is used)	<u>/</u>			
Are custody seals present on cooler? (if so, document in comments if they are signed and dated, broken or intact)		<u>/</u>		
Are custody seals present on each sample container? (if so, document in comments if they are signed and dated, broken or intact)		<u>/</u>		
Were all samples received intact ⁽¹⁾ ?	<u>/</u>			
Was adequate sample volume provided ⁽¹⁾ ?	<u>/</u>			
Are short holding time analytes or samples with HTs due within 48 hours present ⁽¹⁾ ?		<u>/</u>		
Is a chain-of-custody (COC) present and filled out completely ⁽¹⁾ ?	<u>/</u>			
Does the COC agree with the number and type of sample bottles received ⁽¹⁾ ?	<u>/</u>			
Do the sample IDs on the bottle labels match the COC ⁽¹⁾ ?	<u>/</u>			
Is the COC properly relinquished by the client with date and time recorded ⁽¹⁾ ?	<u>/</u>			
For volatiles in water – is there headspace (> ¼ inch bubble) present? If yes, contact client and note in narrative.			<u>/</u>	
Are samples preserved that require preservation and was it checked ⁽¹⁾ ? (note ID of confirmation instrument used in comments) / (preservation is not confirmed for subcontracted analyses in order to insure sample integrity)/(pH <2 for samples preserved with HNO ₃ , HCL, H ₂ SO ₄) / (pH >10 for samples preserved with NaAsO ₂ +NaOH, ZnAc+NaOH)			<u>/</u>	
Additional Comments (if any):				

⁽¹⁾ If NO, then contact the client before proceeding with analysis and note date/time and person contacted as well as the corrective action to in the additional comments (above) and the case narrative.

Kenny H
Reviewed by (Project Manager)

3/7/22
Date/Time Reviewed

Origins Laboratory, Inc.

Jen Pellegrini

Jen Pellegrini, Project Manager

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

SA J24 N01@3'

3/4/2022 3:56:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y203170-01 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.0989	mg/L	1	B2C0807	03/08/2022	03/09/2022	U
-------	----	--------	------	---	---------	------------	------------	---

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2C0729	03/07/2022	03/07/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	84.1 %	50-150	"	"	"
------------------------	--------	--------	---	---	---

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2C0730	03/07/2022	03/08/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	138 %	70-130	"	"	"	S-07
----------------------------------	-------	--------	---	---	---	------

Origins Laboratory, Inc.



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.

Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

SA J24 N01@3'

3/4/2022 3:56:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y203170-01 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	90.4 %	70-130	B2C07 30	03/07/2022	03/08/2022
Surrogate: 4-Bromofluorobenzene	93.9 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	3.48	0.499	meq/L	10	[CALC]	03/08/2022	03/09/2022
Magnesium	1.05	0.823	"	"	"	"	"
Sodium	0.600	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L604210	03/10/2022	03/13/2022
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

SA J24 N01@3'

3/4/2022 3:56:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Waypoint Analytical, Inc.
Y203170-01 (Soil)

PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L604210	03/10/2022	03/13/2022
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	50 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	49.4 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	41.9 %	29-110	"	"	"

pH in Soil by 9045D

pH	7.96	pH Units	1	B2C0813	03/08/2022	03/09/2022
----	------	----------	---	---------	------------	------------

SAR by 20B Saturated Paste

SAR	0.399	SAR	1	B2C0810	03/08/2022	03/09/2022
-----	-------	-----	---	---------	------------	------------

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.557	0.00500	mmhos/cm	1	B2C0814	03/08/2022	03/09/2022
---------------------------	-------	---------	----------	---	---------	------------	------------

Total Metals by 6020B

Arsenic	1.36	0.0855	0.25	mg/Kg	5	L603687	03/08/2022	03/10/2022
---------	------	--------	------	-------	---	---------	------------	------------

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

SA J24 N01@3'

3/4/2022 3:56:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Waypoint Analytical, Inc.
Y203170-01 (Soil)

Total Metals by 6020B

Barium	34.9	0.042	0.25	mg/Kg	5	L603687	03/08/2022	03/10/2022	
Cadmium	0.0726	0.0259	0.25	"	"	"	"	"	J
Copper	2.59	0.0806	0.25	"	"	"	"	"	
Lead	3.66	0.031	0.25	"	"	"	"	"	
Nickel	3.07	0.0633	0.25	"	"	"	"	"	
Selenium	0.22	0.103	0.25	"	"	"	"	"	J
Silver	0.0178	0.0067	0.25	"	"	"	"	"	J
Zinc	14.3	0.534	2.5	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L604343	03/04/2022	03/11/2022	
----------------------	----	-------	-----	-------	---	---------	------------	------------	--

Origins Laboratory, Inc.



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.

Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

SA J24 N02@2'
3/4/2022 4:02:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y203170-02 (Soil)

Boron (DTPA Sorbitol)

Boron	0.120	0.100	mg/L	1	B2C0807	03/08/2022	03/09/2022	
-------	-------	-------	------	---	---------	------------	------------	--

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2C0729	03/07/2022	03/07/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	81.4 %	50-150	"	"	"	"	"
------------------------	--------	--------	---	---	---	---	---

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2C0730	03/07/2022	03/08/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	140 %	70-130	"	"	"	"	S-07
----------------------------------	-------	--------	---	---	---	---	------

Origins Laboratory, Inc.



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.

Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

SA J24 N02@2'

3/4/2022 4:02:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y203170-02 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	90.7 %	70-130	B2C07 30	03/07/2022	03/08/2022
Surrogate: 4-Bromofluorobenzene	94.4 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	1.46	0.499	meq/L	10	[CALC]	03/08/2022	03/09/2022
Magnesium	ND	0.823	"	"	"	"	"
Sodium	0.631	0.435	"	"	"	"	"

PAH by 8270D-SIM

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L604443	03/11/2022	03/11/2022
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

SA J24 N02@2'

3/4/2022 4:02:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Waypoint Analytical, Inc. Y203170-02 (Soil)

PAH by 8270D-SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L604443	03/11/2022	03/11/2022
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	63.4 %		33-115			"	"	"
Surrogate: 4-Terphenyl-d14	74.6 %		33-122			"	"	"
Surrogate: Nitrobenzene-d5	55.3 %		29-110			"	"	"

pH in Soil by 9045D

pH	8.04			pH Units	1	B2C0813	03/08/2022	03/09/2022
----	------	--	--	----------	---	---------	------------	------------

SAR by 20B Saturated Paste

SAR	0.650			SAR	1	B2C0810	03/08/2022	03/09/2022
-----	-------	--	--	-----	---	---------	------------	------------

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.308		0.00500	mmhos/cm	1	B2C0814	03/08/2022	03/09/2022
---------------------------	-------	--	---------	----------	---	---------	------------	------------

Total Metals by 6020B

Arsenic	1.53	0.0855	0.25	mg/Kg	5	L603687	03/08/2022	03/10/2022
---------	------	--------	------	-------	---	---------	------------	------------

Origins Laboratory, Inc.



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.

Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

SA J24 N02@2'

3/4/2022 4:02:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Waypoint Analytical, Inc.
Y203170-02 (Soil)

Total Metals by 6020B

Barium	38.5	0.042	0.25	mg/Kg	5	L603687	03/08/2022	03/10/2022	
Cadmium	0.0752	0.0259	0.25	"	"	"	"	"	J
Copper	2.81	0.0806	0.25	"	"	"	"	"	
Lead	4.21	0.031	0.25	"	"	"	"	"	
Nickel	3.09	0.0633	0.25	"	"	"	"	"	
Selenium	0.237	0.103	0.25	"	"	"	"	"	J
Silver	0.0115	0.0067	0.25	"	"	"	"	"	J
Zinc	14.7	0.534	2.5	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L604343	03/04/2022	03/11/2022	
----------------------	----	-------	-----	-------	---	---------	------------	------------	--

Origins Laboratory, Inc.



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.

Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

SA J24 W01@2'
3/4/2022 4:08:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y203170-03 (Soil)

Boron (DTPA Sorbitol)

Boron	ND	0.0994	mg/L	1	B2C0807	03/08/2022	03/09/2022	U
-------	----	--------	------	---	---------	------------	------------	---

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2C0729	03/07/2022	03/07/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	75.3 %	50-150	"	"	"
------------------------	--------	--------	---	---	---

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2C0730	03/07/2022	03/08/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	141 %	70-130	"	"	"	S-07
----------------------------------	-------	--------	---	---	---	------

Origins Laboratory, Inc.



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.

Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

SA J24 W01@2'

3/4/2022 4:08:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y203170-03 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	90.9 %	70-130	B2C07 30	03/07/2022	03/08/2022
Surrogate: 4-Bromofluorobenzene	94.4 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	1.08	0.499	meq/L	10	[CALC]	03/08/2022	03/09/2022
Magnesium	ND	0.823	"	"	"	"	"
Sodium	ND	0.435	"	"	"	"	"

PAH by 8270D-SIM

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L604443	03/11/2022	03/11/2022
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

SA J24 W01@2'

3/4/2022 4:08:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Waypoint Analytical, Inc.
Y203170-03 (Soil)

PAH by 8270D-SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L604443	03/11/2022	03/11/2022
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	63.1 %		33-115			"	"	"
Surrogate: 4-Terphenyl-d14	77.5 %		33-122			"	"	"
Surrogate: Nitrobenzene-d5	54.7 %		29-110			"	"	"

pH in Soil by 9045D

pH	7.45			pH Units	1	B2C0815	03/08/2022	03/09/2022
----	------	--	--	----------	---	---------	------------	------------

SAR by 20B Saturated Paste

SAR	0.0882			SAR	1	B2C0811	03/08/2022	03/09/2022
-----	--------	--	--	-----	---	---------	------------	------------

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.184		0.00500	mmhos/cm	1	B2C0816	03/08/2022	03/09/2022
---------------------------	-------	--	---------	----------	---	---------	------------	------------

Total Metals by 6020B

Arsenic	1.25	0.0855	0.25	mg/Kg	5	L603687	03/08/2022	03/10/2022
---------	------	--------	------	-------	---	---------	------------	------------

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

SA J24 W01@2'

3/4/2022 4:08:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Waypoint Analytical, Inc.
Y203170-03 (Soil)

Total Metals by 6020B

Barium	24.4	0.042	0.25	mg/Kg	5	L603687	03/08/2022	03/10/2022	
Cadmium	0.0679	0.0259	0.25	"	"	"	"	"	J
Copper	2.33	0.0806	0.25	"	"	"	"	"	
Lead	3.48	0.031	0.25	"	"	"	"	"	
Nickel	2.6	0.0633	0.25	"	"	"	"	"	
Selenium	0.273	0.103	0.25	"	"	"	"	"	
Silver	0.0096	0.0067	0.25	"	"	"	"	"	J
Zinc	12.9	0.534	2.5	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.252	0.517	mg/Kg	1	L604343	03/04/2022	03/11/2022	
----------------------	----	-------	-------	-------	---	---------	------------	------------	--

Origins Laboratory, Inc.



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.

Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

SA J24 E01@3'
3/4/2022 4:12:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y203170-04 (Soil)

Boron (DTPA Sorbitol)

Boron	0.200	0.100	mg/L	1	B2C0807	03/08/2022	03/09/2022	
-------	-------	-------	------	---	---------	------------	------------	--

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2C0729	03/07/2022	03/07/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	69.7 %	50-150	"	"	"	"	"
------------------------	--------	--------	---	---	---	---	---

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2C0730	03/07/2022	03/08/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	141 %	70-130	"	"	"	"	S-07
----------------------------------	-------	--------	---	---	---	---	------

Origins Laboratory, Inc.



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.

Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

SA J24 E01@3'

3/4/2022 4:12:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y203170-04 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	90.1 %	70-130	B2C07 30	03/07/2022	03/08/2022
Surrogate: 4-Bromofluorobenzene	94.0 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	1.06	0.499	meq/L	10	[CALC]	03/08/2022	03/09/2022
Magnesium	ND	0.823	"	"	"	"	"
Sodium	ND	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L604210	03/10/2022	03/13/2022
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

SA J24 E01@3'

3/4/2022 4:12:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Waypoint Analytical, Inc.
Y203170-04 (Soil)

PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L604210	03/10/2022	03/13/2022
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	53.5 %		33-115			"	"	"
Surrogate: 4-Terphenyl-d14	56.5 %		33-122			"	"	"
Surrogate: Nitrobenzene-d5	44.4 %		29-110			"	"	"

pH in Soil by 9045D

pH	8.19			pH Units	1	B2C0815	03/08/2022	03/09/2022
----	------	--	--	----------	---	---------	------------	------------

SAR by 20B Saturated Paste

SAR	0.122			SAR	1	B2C0811	03/08/2022	03/09/2022
-----	-------	--	--	-----	---	---------	------------	------------

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.177		0.00500	mmhos/cm	1	B2C0816	03/08/2022	03/09/2022
---------------------------	-------	--	---------	----------	---	---------	------------	------------

Total Metals by 6020B

Arsenic	1.63	0.0855	0.25	mg/Kg	5	L603687	03/08/2022	03/10/2022
---------	------	--------	------	-------	---	---------	------------	------------

Origins Laboratory, Inc.



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.

Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

SA J24 E01@3'

3/4/2022 4:12:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Waypoint Analytical, Inc.
Y203170-04 (Soil)

Total Metals by 6020B

Barium	32.5	0.042	0.25	mg/Kg	5	L603687	03/08/2022	03/10/2022	
Cadmium	0.0604	0.0259	0.25	"	"	"	"	"	J
Copper	2.35	0.0806	0.25	"	"	"	"	"	
Lead	3.6	0.031	0.25	"	"	"	"	"	
Nickel	2.9	0.0633	0.25	"	"	"	"	"	
Selenium	0.3	0.103	0.25	"	"	"	"	"	
Silver	0.009	0.0067	0.25	"	"	"	"	"	J
Zinc	14.4	0.534	2.5	"	"	"	"	"	

Total Metals by 7196 A

Chromium, Hexavalent	ND	0.492	1.01	mg/Kg	2	L604715	03/04/2022	03/14/2022	
----------------------	----	-------	------	-------	---	---------	------------	------------	--

Origins Laboratory, Inc.



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.

Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

SA J24 S01@2'
3/4/2022 4:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y203170-05 (Soil)

Boron (DTPA Sorbitol)

Boron	0.139	0.0995	mg/L	1	B2C0807	03/08/2022	03/09/2022	
-------	-------	--------	------	---	---------	------------	------------	--

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2C0729	03/07/2022	03/07/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	81.5 %	50-150	"	"	"	"	"
------------------------	--------	--------	---	---	---	---	---

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2C0730	03/07/2022	03/08/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	142 %	70-130	"	"	"	"	S-07
----------------------------------	-------	--------	---	---	---	---	------

Origins Laboratory, Inc.



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.

Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

SA J24 S01@2'

3/4/2022 4:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y203170-05 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	90.9 %	70-130	B2C07 30	03/07/2022	03/08/2022
Surrogate: 4-Bromofluorobenzene	95.3 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	5.60	0.499	meq/L	10	[CALC]	03/08/2022	03/09/2022
Magnesium	1.26	0.823	"	"	"	"	"
Sodium	9.73	0.435	"	"	"	"	"

PAH by 8270D-SIM

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L604443	03/11/2022	03/11/2022
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

SA J24 S01@2'

3/4/2022 4:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Waypoint Analytical, Inc.
Y203170-05 (Soil)

PAH by 8270D-SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L604443	03/11/2022	03/11/2022
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	62.7 %		33-115			"	"	"
Surrogate: 4-Terphenyl-d14	76.2 %		33-122			"	"	"
Surrogate: Nitrobenzene-d5	54.5 %		29-110			"	"	"

pH in Soil by 9045D

pH	7.62			pH Units	1	B2C0815	03/08/2022	03/09/2022
----	------	--	--	----------	---	---------	------------	------------

SAR by 20B Saturated Paste

SAR	5.25			SAR	1	B2C0811	03/08/2022	03/09/2022
-----	------	--	--	-----	---	---------	------------	------------

Specific Conductance Mod. 9050A

Specific Conductance (EC)	2.20		0.00500	mmhos/cm	1	B2C0816	03/08/2022	03/09/2022
---------------------------	------	--	---------	----------	---	---------	------------	------------

Total Metals by 6020B

Arsenic	1.49	0.0855	0.25	mg/Kg	5	L603687	03/08/2022	03/10/2022
---------	------	--------	------	-------	---	---------	------------	------------

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

SA J24 S01@2'

3/4/2022 4:15:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Waypoint Analytical, Inc.
Y203170-05 (Soil)

Total Metals by 6020B

Barium	58.6	0.042	0.25	mg/Kg	5	L603687	03/08/2022	03/10/2022	
Cadmium	0.0796	0.0259	0.25	"	"	"	"	"	J
Copper	3.07	0.0806	0.25	"	"	"	"	"	
Lead	4.29	0.031	0.25	"	"	"	"	"	
Nickel	2.75	0.0633	0.25	"	"	"	"	"	
Selenium	0.262	0.103	0.25	"	"	"	"	"	
Silver	0.0101	0.0067	0.25	"	"	"	"	"	J
Zinc	14.5	0.534	2.5	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.246	0.505	mg/Kg	1	L604343	03/04/2022	03/11/2022	
----------------------	----	-------	-------	-------	---	---------	------------	------------	--

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

SA J24 W02@2'
3/4/2022 4:19:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y203170-06 (Soil)

Boron (DTPA Sorbitol)

Boron	0.119	0.0989	mg/L	1	B2C0807	03/08/2022	03/09/2022	
-------	-------	--------	------	---	---------	------------	------------	--

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2C0729	03/07/2022	03/07/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	77.9 %	50-150	"	"	"	"	"	"
------------------------	--------	--------	---	---	---	---	---	---

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2C0730	03/07/2022	03/08/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	143 %	70-130	"	"	"	"	"	S-07
----------------------------------	-------	--------	---	---	---	---	---	------

Origins Laboratory, Inc.



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.

Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

SA J24 W02@2'

3/4/2022 4:19:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y203170-06 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	90.1 %	70-130	B2C07 30	03/07/2022	03/08/2022
Surrogate: 4-Bromofluorobenzene	95.8 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	1.12	0.499	meq/L	10	[CALC]	03/08/2022	03/09/2022
Magnesium	ND	0.823	"	"	"	"	"
Sodium	ND	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L604531	03/12/2022	03/14/2022
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"

Origins Laboratory, Inc.



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.

Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

SA J24 W02@2'

3/4/2022 4:19:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Waypoint Analytical, Inc.
Y203170-06 (Soil)

PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L604531	03/12/2022	03/14/2022
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	54.9 %		33-115			"	"	"
Surrogate: 4-Terphenyl-d14	55.8 %		33-122			"	"	"
Surrogate: Nitrobenzene-d5	43.9 %		29-110			"	"	"

pH in Soil by 9045D

pH	8.08			pH Units	1	B2C0815	03/08/2022	03/09/2022
----	------	--	--	----------	---	---------	------------	------------

SAR by 20B Saturated Paste

SAR	0.428			SAR	1	B2C0811	03/08/2022	03/09/2022
-----	-------	--	--	-----	---	---------	------------	------------

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.220		0.00500	mmhos/cm	1	B2C0816	03/08/2022	03/09/2022
---------------------------	-------	--	---------	----------	---	---------	------------	------------

Total Metals by 6020B

Arsenic	1.45	0.0855	0.25	mg/Kg	5	L603687	03/08/2022	03/10/2022
---------	------	--------	------	-------	---	---------	------------	------------

Origins Laboratory, Inc.



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.

Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

SA J24 W02@2'

3/4/2022 4:19:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Waypoint Analytical, Inc.
Y203170-06 (Soil)

Total Metals by 6020B

Barium	29.8	0.042	0.25	mg/Kg	5	L603687	03/08/2022	03/10/2022	
Cadmium	0.0703	0.0259	0.25	"	"	"	"	"	J
Copper	2.58	0.0806	0.25	"	"	"	"	"	
Lead	3.86	0.031	0.25	"	"	"	"	"	
Nickel	3.05	0.0633	0.25	"	"	"	"	"	
Selenium	0.266	0.103	0.25	"	"	"	"	"	
Silver	0.0095	0.0067	0.25	"	"	"	"	"	J
Zinc	14.5	0.534	2.5	"	"	"	"	"	

Total Metals by 7196A

Chromium, Hexavalent	ND	0.247	0.508	mg/Kg	1	L604343	03/04/2022	03/11/2022	
----------------------	----	-------	-------	-------	---	---------	------------	------------	--

Origins Laboratory, Inc.



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.

Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

SA J24 S02@2'

3/4/2022 4:21:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y203170-07 (Soil)

Boron (DTPA Sorbitol)

Boron	0.0993	0.0993	mg/L	1	B2C0808	03/08/2022	03/09/2022	U
-------	--------	--------	------	---	---------	------------	------------	---

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2C0729	03/07/2022	03/07/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	79.4 %	50-150	"	"	"	"	"	"
------------------------	--------	--------	---	---	---	---	---	---

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2C0730	03/07/2022	03/08/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	144 %	70-130	"	"	"	"	"	S-07
----------------------------------	-------	--------	---	---	---	---	---	------

Origins Laboratory, Inc.



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.

Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

SA J24 S02@2'

3/4/2022 4:21:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y203170-07 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	89.9 %	70-130	B2C07 30	03/07/2022	03/08/2022
Surrogate: 4-Bromofluorobenzene	94.4 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	2.75	0.499	meq/L	10	[CALC]	03/08/2022	03/09/2022
Magnesium	1.01	0.823	"	"	"	"	"
Sodium	1.34	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	0.000445	0.000364	0.00067	mg/Kg	1	L604531	03/12/2022	03/14/2022	J
2-Methylnaphthalene	0.00129	0.000645	0.00067	"	"	"	"	"	
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"	
Anthracene	ND	0.000334	0.00067	"	"	"	"	"	
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"	
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"	
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"	
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"	
Chrysene	ND	0.000624	0.00067	"	"	"	"	"	
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"	
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"	

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

SA J24 S02@2'

3/4/2022 4:21:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Waypoint Analytical, Inc. Y203170-07 (Soil)

PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L604531	03/12/2022	03/14/2022
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	0.000807	0.000484	0.00067	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	60.2 %		33-115			"	"	"
Surrogate: 4-Terphenyl-d14	61.4 %		33-122			"	"	"
Surrogate: Nitrobenzene-d5	47.7 %		29-110			"	"	"

pH in Soil by 9045D

pH	8.04			pH Units	1	B2C0815	03/08/2022	03/09/2022
----	------	--	--	----------	---	---------	------------	------------

SAR by 20B Saturated Paste

SAR	0.980			SAR	1	B2C0811	03/08/2022	03/09/2022
-----	-------	--	--	-----	---	---------	------------	------------

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.624		0.00500	mmhos/cm	1	B2C0816	03/08/2022	03/09/2022
---------------------------	-------	--	---------	----------	---	---------	------------	------------

Total Metals by 6020B

Arsenic	1.44	0.0855	0.25	mg/Kg	5	L603687	03/08/2022	03/10/2022
---------	------	--------	------	-------	---	---------	------------	------------

Origins Laboratory, Inc.



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.

Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

SA J24 S02@2'

3/4/2022 4:21:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Waypoint Analytical, Inc.
Y203170-07 (Soil)

Total Metals by 6020B

Barium	61.1	0.042	0.25	mg/Kg	5	L603687	03/08/2022	03/10/2022	
Cadmium	0.0705	0.0259	0.25	"	"	"	"	"	J
Copper	3.23	0.0806	0.25	"	"	"	"	"	
Lead	3.96	0.031	0.25	"	"	"	"	"	
Nickel	3.61	0.0633	0.25	"	"	"	"	"	
Selenium	0.294	0.103	0.25	"	"	"	"	"	
Silver	0.0122	0.0067	0.25	"	"	"	"	"	J
Zinc	16.2	0.534	2.5	"	"	"	"	"	

Total Metals by 7196 A

Chromium, Hexavalent	ND	0.244	0.5	mg/Kg	1	L604715	03/04/2022	03/14/2022	
----------------------	----	-------	-----	-------	---	---------	------------	------------	--

Origins Laboratory, Inc.



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.

Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

SA J24 BOT01@3'
3/4/2022 4:28:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y203170-08 (Soil)

Boron (DTPA Sorbitol)

Boron	0.140	0.100	mg/L	1	B2C0808	03/08/2022	03/09/2022	
-------	-------	-------	------	---	---------	------------	------------	--

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2C0729	03/07/2022	03/07/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	78.6 %	50-150	"	"	"	"	"
------------------------	--------	--------	---	---	---	---	---

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2C0730	03/07/2022	03/08/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	146 %	70-130	"	"	"	"	S-07
----------------------------------	-------	--------	---	---	---	---	------

Origins Laboratory, Inc.



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.

Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

SA J24 BOT01@3'
3/4/2022 4:28:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y203170-08 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	89.9 %	70-130	B2C07 30	03/07/2022	03/08/2022
Surrogate: 4-Bromofluorobenzene	95.9 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	5.27	0.499	meq/L	10	[CALC]	03/08/2022	03/09/2022
Magnesium	1.84	0.823	"	"	"	"	"
Sodium	2.04	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L604531	03/12/2022	03/14/2022
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

SA J24 BOT01@3'
3/4/2022 4:28:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Waypoint Analytical, Inc.
Y203170-08 (Soil)

PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L604531	03/12/2022	03/14/2022
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	57.9 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	61 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	46.6 %	29-110	"	"	"

pH in Soil by 9045D

pH	7.93	pH Units	1	B2C0815	03/08/2022	03/09/2022
----	------	----------	---	---------	------------	------------

SAR by 20B Saturated Paste

SAR	1.08	SAR	1	B2C0811	03/08/2022	03/09/2022
-----	------	-----	---	---------	------------	------------

Specific Conductance Mod. 9050A

Specific Conductance (EC)	1.05	0.00500	mmhos/cm	1	B2C0816	03/08/2022	03/09/2022
---------------------------	------	---------	----------	---	---------	------------	------------

Total Metals by 6020B

Arsenic	2.81	0.0855	0.25	mg/Kg	5	L603687	03/08/2022	03/10/2022
---------	------	--------	------	-------	---	---------	------------	------------

Origins Laboratory, Inc.



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.

Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

SA J24 BOT01@3'
3/4/2022 4:28:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Waypoint Analytical, Inc.
Y203170-08 (Soil)

Total Metals by 6020B

Barium	69.3	0.042	0.25	mg/Kg	5	L603687	03/08/2022	03/10/2022	
Cadmium	0.0809	0.0259	0.25	"	"	"	"	"	J
Copper	3.26	0.0806	0.25	"	"	"	"	"	
Lead	4.55	0.031	0.25	"	"	"	"	"	
Nickel	3.6	0.0633	0.25	"	"	"	"	"	
Selenium	0.271	0.103	0.25	"	"	"	"	"	
Silver	0.0116	0.0067	0.25	"	"	"	"	"	J
Zinc	17.2	0.534	2.5	"	"	"	"	"	

Total Metals by 7196 A

Chromium, Hexavalent	ND	0.246	0.505	mg/Kg	1	L604715	03/04/2022	03/14/2022	
----------------------	----	-------	-------	-------	---	---------	------------	------------	--

Origins Laboratory, Inc.



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.

Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

SA J24 BOT04@3'
3/4/2022 4:43:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y203170-09 (Soil)

Boron (DTPA Sorbitol)

Boron	0.140	0.100	mg/L	1	B2C0808	03/08/2022	03/09/2022	
-------	-------	-------	------	---	---------	------------	------------	--

DRO/ORO by EPA 8015D

Diesel (C10-C28)	ND	25.0	mg/kg	1	B2C0729	03/07/2022	03/07/2022	U
Residual Range Organics (C28-C40)	ND	100	"	"	"	"	"	U

Surrogate: o-Terphenyl	83.1 %	50-150			"	"	"	
------------------------	--------	--------	--	--	---	---	---	--

GBTEX+TMBs by 8260D

1,2,4-Trimethylbenzene	ND	0.00200	mg/kg	1	B2C0730	03/07/2022	03/08/2022	U
1,3,5-Trimethylbenzene	ND	0.00200	"	"	"	"	"	U
Benzene	ND	0.00200	"	"	"	"	"	U
Ethylbenzene	ND	0.00200	"	"	"	"	"	U
Toluene	ND	0.00200	"	"	"	"	"	U
Xylenes, total	ND	0.00200	"	"	"	"	"	U
Gasoline Range Hydrocarbons	ND	0.200	"	"	"	"	"	U

Surrogate: 1,2-Dichloroethane-d4	145 %	70-130			"	"	"	S-07
----------------------------------	-------	--------	--	--	---	---	---	------

Origins Laboratory, Inc.



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.

Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

SA J24 BOT04@3'
3/4/2022 4:43:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y203170-09 (Soil)

GBTEX+TMBs by 8260D

Surrogate: Toluene-d8	90.2 %	70-130	B2C07 30	03/07/2022	03/08/2022
Surrogate: 4-Bromofluorobenzene	96.2 %	70-130	"	"	"

Metals by Saturated Paste by EPA 6010

Calcium	4.15	0.499	meq/L	10	[CALC]	03/08/2022	03/09/2022
Magnesium	ND	0.823	"	"	"	"	"
Sodium	0.531	0.435	"	"	"	"	"

PAH by 8270D SIM

1-Methylnaphthalene	ND	0.000364	0.00067	mg/Kg	1	L604531	03/12/2022	03/14/2022
2-Methylnaphthalene	ND	0.000645	0.00067	"	"	"	"	"
Acenaphthene	ND	0.000304	0.00067	"	"	"	"	"
Anthracene	ND	0.000334	0.00067	"	"	"	"	"
Benzo(a)anthracene	ND	0.000493	0.00067	"	"	"	"	"
Benzo(a)pyrene	ND	0.000468	0.00067	"	"	"	"	"
Benzo(b)fluoranthene	ND	0.000585	0.00067	"	"	"	"	"
Benzo(k)fluoranthene	ND	0.000437	0.00067	"	"	"	"	"
Chrysene	ND	0.000624	0.00067	"	"	"	"	"
Dibenz(a,h)anthracene	ND	0.000614	0.00067	"	"	"	"	"
Fluoranthene	ND	0.000394	0.00067	"	"	"	"	"

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

SA J24 BOT04@3'
3/4/2022 4:43:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Waypoint Analytical, Inc.
Y203170-09 (Soil)

PAH by 8270D SIM

Fluorene	ND	0.000286	0.00067	mg/Kg	1	L604531	03/12/2022	03/14/2022
Indeno(1,2,3-cd)pyrene	ND	0.000627	0.00067	"	"	"	"	"
Naphthalene	ND	0.000484	0.00067	"	"	"	"	"
Pyrene	ND	0.000643	0.00067	"	"	"	"	"

Surrogate: 2-Fluorobiphenyl	57.1 %	33-115	"	"	"
Surrogate: 4-Terphenyl-d14	57.7 %	33-122	"	"	"
Surrogate: Nitrobenzene-d5	44.7 %	29-110	"	"	"

pH in Soil by 9045D

pH	7.83	pH Units	1	B2C0815	03/08/2022	03/09/2022
----	------	----------	---	---------	------------	------------

SAR by 20B Saturated Paste

SAR	0.339	SAR	1	B2C0811	03/08/2022	03/09/2022
-----	-------	-----	---	---------	------------	------------

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.682	0.00500	mmhos/cm	1	B2C0816	03/08/2022	03/09/2022
---------------------------	-------	---------	----------	---	---------	------------	------------

Total Metals by 6020 B

Arsenic	2.3	0.0855	0.25	mg/Kg	5	L603693	03/08/2022	03/10/2022
---------	-----	--------	------	-------	---	---------	------------	------------

Origins Laboratory, Inc.



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.

Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

SA J24 BOT04@3'
3/4/2022 4:43:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Waypoint Analytical, Inc.
Y203170-09 (Soil)

Total Metals by 6020 B

Barium	30.8	0.042	0.25	mg/Kg	5	L603693	03/08/2022	03/10/2022	
Cadmium	0.0738	0.0259	0.25	"	"	"	"	"	J
Copper	2.64	0.0806	0.25	"	"	"	"	"	
Lead	3.7	0.031	0.25	"	"	"	"	"	
Nickel	3.03	0.0633	0.25	"	"	"	"	"	
Selenium	0.3	0.103	0.25	"	"	"	"	"	
Silver	0.0069	0.0067	0.25	"	"	"	"	"	J
Zinc	14	0.534	2.5	"	"	"	"	"	

Total Metals by 7196 A

Chromium, Hexavalent	ND	0.488	1	mg/Kg	2	L604715	03/04/2022	03/14/2022	
----------------------	----	-------	---	-------	---	---------	------------	------------	--

Origins Laboratory, Inc.



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.

Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

SA J24 BKG01@6"
3/4/2022 4:46:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Origins Laboratory, Inc.
Y203170-10 (Soil)

Boron (DTPA Sorbitol)

Boron	0.238	0.0990	mg/L	1	B2C0808	03/08/2022	03/09/2022
-------	-------	--------	------	---	---------	------------	------------

Metals by Saturated Paste by EPA 6010

Calcium	2.36	0.499	meq/L	10	[CALC]	03/08/2022	03/09/2022
Magnesium	ND	0.823	"	"	"	"	"
Sodium	ND	0.435	"	"	"	"	"

pH in Soil by 9045D

pH	7.86	pH Units	1	B2C0815	03/08/2022	03/09/2022
----	------	----------	---	---------	------------	------------

SAR by 20B Saturated Paste

SAR	0.115	SAR	1	B2C0811	03/08/2022	03/09/2022
-----	-------	-----	---	---------	------------	------------

Specific Conductance Mod. 9050A

Specific Conductance (EC)	0.461	0.00500	mmhos/cm	1	B2C0816	03/08/2022	03/09/2022
---------------------------	-------	---------	----------	---	---------	------------	------------

Total Metals by 6020 B

Arsenic	1.63	0.0855	0.25	mg/Kg	5	L603693	03/08/2022	03/10/2022
Barium	136	0.042	0.25	"	"	"	"	"
Cadmium	0.079	0.0259	0.25	"	"	"	"	"
Copper	3.78	0.0806	0.25	"	"	"	"	"

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

SA J24 BKG01@6"
3/4/2022 4:46:00PM

Analyte	Result	Min Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Notes
---------	--------	---------------------	-----------------	-------	----------	-------	----------	----------	-------

Waypoint Analytical, Inc.
Y203170-10 (Soil)

Total Metals by 6020 B

Lead	3.69	0.031	0.25	mg/Kg	5	L603693	03/08/2022	03/10/2022	
Nickel	3.42	0.0633	0.25	"	"	"	"	"	
Selenium	0.23	0.103	0.25	"	"	"	"	"	J
Silver	0.0129	0.0067	0.25	"	"	"	"	"	J
Zinc	15.9	0.534	2.5	"	"	"	"	"	

Total Metals by 7196 A

Chromium, Hexavalent	ND	0.248	0.51	mg/Kg	1	L604715	03/04/2022	03/14/2022	
----------------------	----	-------	------	-------	---	---------	------------	------------	--

Origins Laboratory, Inc.



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.

Jen Pellegrini, Project Manager

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

Extractable Petroleum Hydrocarbons by 8015D - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B2C0729 - EPA 3550B										
Blank (B2C0729-BLK1)					Prepared: 03/07/2022 Analyzed: 03/07/2022					
Diesel (C10-C28)	ND	25.0	mg/kg							U
Residual Range Organics (C28-C40)	ND	100	"							U
Surrogate: o-Terphenyl	21		"	24.9		85.4	50-150			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

Extractable Petroleum Hydrocarbons by 8015D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B2C0729 - EPA 3550B

LCS (B2C0729-BS1)

Prepared: 03/07/2022 Analyzed: 03/07/2022

Diesel (C10-C28)	969	50.0	mg/kg	1000		96.9	70-130			
Residual Range Organics (C28-C40)	891	200	"	1000		89.1	70-130			
Surrogate: o-Terphenyl	38		"	49.8		76.3	50-150			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

Extractable Petroleum Hydrocarbons by 8015D - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B2C0729 - EPA 3550B

Matrix Spike (B2C0729-MS1)		Source: Y203169-01			Prepared: 03/07/2022 Analyzed: 03/07/2022					
Diesel (C10-C28)	1000	50.0	mg/kg	1000	ND	100	70-130			
Residual Range Organics (C28-C40)	888	200	"	1000	ND	88.8	70-130			
Surrogate: o-Terphenyl	38		"	49.8		75.7	50-150			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

Extractable Petroleum Hydrocarbons by 8015D - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B2C0729 - EPA 3550B										
Matrix Spike Dup (B2C0729-MSD1)		Source: Y203169-01			Prepared: 03/07/2022 Analyzed: 03/07/2022					
Diesel (C10-C28)	893	50.0	mg/kg	1000	ND	89.3	70-130	11.5	35	
Residual Range Organics (C28-C40)	876	200	"	1000	ND	87.6	70-130	1.35	35	
Surrogate: o-Terphenyl	42		"	49.8		85.4	50-150			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

Extractable Petroleum Hydrocarbons by 8015D - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B2C0730 - EPA 5030 (soil)										
Blank (B2C0730-BLK1)					Prepared: 03/07/2022 Analyzed: 03/07/2022					
1,2,4-Trimethylbenzene	ND	0.00200	mg/kg							U
1,3,5-Trimethylbenzene	ND	0.00200	"							U
Benzene	ND	0.00200	"							U
Ethylbenzene	ND	0.00200	"							U
Naphthalene	ND	0.0100	"							U
Toluene	ND	0.00200	"							U
Xylenes, total	ND	0.00200	"							U
Gasoline Range Hydrocarbons	ND	0.200	"							U
Surrogate: 1,2-Dichloroethane-d4	0.16		"	0.125	127		70-130			
Surrogate: Toluene-d8	0.12		"	0.125	92.4		70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125	94.8		70-130			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B2C0730 - EPA 5030 (soil)

LCS (B2C0730-BS1)

Prepared: 03/07/2022 Analyzed: 03/07/2022

1,2,4-Trimethylbenzene	0.0860	0.00200	mg/kg	0.100		86.0	70-130			
1,3,5-Trimethylbenzene	0.0879	0.00200	"	0.100		87.9	70-130			
Benzene	0.0889	0.00200	"	0.100		88.9	70-130			
Ethylbenzene	0.0885	0.00200	"	0.100		88.5	70-130			
Naphthalene	0.0849	0.0100	"	0.100		84.9	70-130			
Toluene	0.0875	0.00200	"	0.100		87.5	70-130			
o-Xylene	0.0898	0.00200	"	0.100		89.8	70-130			
m,p-Xylene	0.163	0.00400	"	0.200		81.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.16		"	0.125		124	70-130			
Surrogate: Toluene-d8	0.11		"	0.125		91.5	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		95.2	70-130			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B2C0730 - EPA 5030 (soil)										
Matrix Spike (B2C0730-MS1)		Source: Y203169-01			Prepared: 03/07/2022 Analyzed: 03/07/2022					
1,2,4-Trimethylbenzene	0.0688	0.00200	mg/kg	0.100	ND	68.8	70-130			QM-07
1,3,5-Trimethylbenzene	0.0686	0.00200	"	0.100	ND	68.6	70-130			QM-07
Benzene	0.0815	0.00200	"	0.100	ND	81.5	70-130			
Ethylbenzene	0.0762	0.00200	"	0.100	ND	76.2	70-130			
Naphthalene	0.0673	0.0100	"	0.100	ND	67.3	70-130			QM-07
Toluene	0.0792	0.00200	"	0.100	ND	79.2	70-130			
o-Xylene	0.0786	0.00200	"	0.100	ND	78.6	70-130			
m,p-Xylene	0.140	0.00400	"	0.200	ND	69.8	70-130			QM-07
Surrogate: 1,2-Dichloroethane-d4	0.16		"	0.125		130	70-130			
Surrogate: Toluene-d8	0.11		"	0.125		91.3	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		94.5	70-130			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control
Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B2C0730 - EPA 5030 (soil)										
Matrix Spike Dup (B2C0730-MSD1)		Source: Y203169-01			Prepared: 03/07/2022 Analyzed: 03/07/2022					
1,2,4-Trimethylbenzene	0.0619	0.00200	mg/kg	0.100	ND	61.9	70-130	10.5	20	QM-07
1,3,5-Trimethylbenzene	0.0614	0.00200	"	0.100	ND	61.4	70-130	11.1	20	QM-07
Benzene	0.0740	0.00200	"	0.100	ND	74.0	70-130	9.65	20	
Ethylbenzene	0.0671	0.00200	"	0.100	ND	67.1	70-130	12.8	20	QM-07
Naphthalene	0.0623	0.0100	"	0.100	ND	62.3	70-130	7.78	20	QM-07
Toluene	0.0710	0.00200	"	0.100	ND	71.0	70-130	10.9	20	
o-Xylene	0.0703	0.00200	"	0.100	ND	70.3	70-130	11.2	20	
m,p-Xylene	0.124	0.00400	"	0.200	ND	61.8	70-130	12.1	20	QM-07
Surrogate: 1,2-Dichloroethane-d4	0.16		"	0.125		132	70-130			S-GC
Surrogate: Toluene-d8	0.12		"	0.125		92.1	70-130			
Surrogate: 4-Bromofluorobenzene	0.12		"	0.125		94.2	70-130			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

Volatile Organic Compounds by GC/MS SW846 8260D - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Classical Chemistry Parameters - Quality Control

Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch B2C0807 - Default Prep Metals

Blank (B2C0807-BLK1)

Prepared: 03/08/2022 Analyzed: 03/09/2022

Boron	ND	0.100	mg/L							U
-------	----	-------	------	--	--	--	--	--	--	---

Duplicate (B2C0807-DUP1)

Source: Y203163-01

Prepared: 03/08/2022 Analyzed: 03/09/2022

Boron	0.556	0.0993	mg/L		0.590			5.91	50	
-------	-------	--------	------	--	-------	--	--	------	----	--

Batch B2C0808 - Default Prep Metals

Blank (B2C0808-BLK1)

Prepared: 03/08/2022 Analyzed: 03/09/2022

Boron	ND	0.100	mg/L							U
-------	----	-------	------	--	--	--	--	--	--	---

Duplicate (B2C0808-DUP1)

Source: Y203170-07

Prepared: 03/08/2022 Analyzed: 03/09/2022

Boron	0.0991	0.0991	mg/L		0.0993			0.198	50	U
-------	--------	--------	------	--	--------	--	--	-------	----	---

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

Saturated Paste - Quality Control Origins Laboratory, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B2C0813 - NO PREP										
Duplicate (B2C0813-DUP1)		Source: Y203148-03			Prepared: 03/08/2022 Analyzed: 03/09/2022					
pH	5.17		pH Units		5.15			0.388	25	
Batch B2C0814 - NO PREP										
Blank (B2C0814-BLK1)		Prepared: 03/08/2022 Analyzed: 03/09/2022								
Specific Conductance (EC)	ND	0.00500	mmhos/cm							U
Duplicate (B2C0814-DUP1)		Source: Y203148-03			Prepared: 03/08/2022 Analyzed: 03/09/2022					
Specific Conductance (EC)	0.114	0.00500	mmhos/cm		0.110			3.59	25	
Batch B2C0815 - NO PREP										
Duplicate (B2C0815-DUP1)		Source: Y203170-03			Prepared: 03/08/2022 Analyzed: 03/09/2022					
pH	7.56		pH Units		7.45			1.47	25	
Batch B2C0816 - NO PREP										
Blank (B2C0816-BLK1)		Prepared: 03/08/2022 Analyzed: 03/09/2022								
Specific Conductance (EC)	ND	0.00500	mmhos/cm							U
Duplicate (B2C0816-DUP1)		Source: Y203170-03			Prepared: 03/08/2022 Analyzed: 03/09/2022					
Specific Conductance (EC)	0.267	0.00500	mmhos/cm		0.184			36.6	25	QR-DUP

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

PAH by 8270D SIM - Quality Control
Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch L604531 - 3550B

MSD (L 87205-MSD-L604531)		Source: Y203170-06			Prepared: 03/12/2022 Analyzed: 03/14/2022					
2-Methylnaphthalene	0.1	0.000645	mg/Kg	0.166	87205	60.2	30-130	0.9	30	
Chrysene	0.103	0.000624	"	0.166	87205	62	30-130	0.9	30	
Fluoranthene	0.0962	0.000394	"	0.166	87205	57.9	30-130	22.8	30	
Fluorene	0.0993	0.000286	"	0.166	87205	59.8	30-130	2.6	30	
Indeno(1,2,3-cd)pyrene	0.144	0.000627	"	0.166	87205	86.7	30-130	18.1	30	
Naphthalene	0.104	0.000484	"	0.166	87205	62.6	30-130	2.9	30	
1-Methylnaphthalene	0.0935	0.000364	"	0.166	87205	56.3	30-130	5	30	
Benzo(a)anthracene	0.108	0.000493	"	0.166	87205	65	30-130	0.9	30	
Anthracene	0.114	0.000334	"	0.166	87205	68.6	30-130	1.7	30	
Acenaphthene	0.0996	0.000304	"	0.166	87205	60	30-130	3.1	30	
Benzo(b)fluoranthene	0.12	0.000585	"	0.166	87205	72.2	30-130	13.3	30	
Benzo(a)pyrene	0.107	0.000468	"	0.166	87205	64.4	30-130	0.9	30	
Pyrene	0.0952	0.000643	"	0.166	87205	57.3	30-130	17.9	30	
Dibenz(a,h)anthracene	0.18	0.000614	"	0.166	87205	108	30-130	33	30	
Benzo(k)fluoranthene	0.1	0.000437	"	0.166	87205	60.2	30-130	20.1	30	
Surrogate: 2-Fluorobiphenyl	55.1		"	0.332	180	55.1	33-115			
Surrogate: 4-Terphenyl-d14	55.1		"	0.332	183	55.1	33-122			
Surrogate: Nitrobenzene-d5	44.2		"	0.332	144	44.2	29-110			

MS (L 87205-MS-L604531)		Source: Y203170-06			Prepared: 03/12/2022 Analyzed: 03/14/2022					
Fluoranthene	0.121	0.000394	mg/Kg	0.166	87205	72.8	30-130			
Fluorene	0.102	0.000286	"	0.166	87205	61.4	30-130			
Indeno(1,2,3-cd)pyrene	0.12	0.000627	"	0.166	87205	72.2	30-130			
Dibenz(a,h)anthracene	0.129	0.000614	"	0.166	87205	77.7	30-130			
Benzo(b)fluoranthene	0.105	0.000585	"	0.166	87205	63.2	30-130			
1-Methylnaphthalene	0.0889	0.000364	"	0.166	87205	53.5	30-130			
Naphthalene	0.101	0.000484	"	0.166	87205	60.8	30-130			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

PAH by 8270D SIM - Quality Control
Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch L604531 - 3550B

MS (L 87205-MS-L604531)		Source: Y203170-06			Prepared: 03/12/2022 Analyzed: 03/14/2022					
Chrysene	0.102	0.000624	mg/Kg	0.166	87205	61.4	30-130			
Benzo(k)fluoranthene	0.0817	0.000437	"	0.166	87205	49.2	30-130			
2-Methylnaphthalene	0.101	0.000645	"	0.166	87205	60.8	30-130			
Pyrene	0.114	0.000643	"	0.166	87205	68.6	30-130			
Benzo(a)pyrene	0.106	0.000468	"	0.166	87205	63.8	30-130			
Benzo(a)anthracene	0.107	0.000493	"	0.166	87205	64.4	30-130			
Acenaphthene	0.0965	0.000304	"	0.166	87205	58.1	30-130			
Anthracene	0.112	0.000334	"	0.166	87205	67.4	30-130			
Surrogate: Nitrobenzene-d5	48.6		"	0.331	144	48.6	29-110			
Surrogate: 2-Fluorobiphenyl	58.9		"	0.331	180	58.9	33-115			
Surrogate: 4-Terphenyl-d14	64.6		"	0.331	183	64.6	33-122			

LCS (LCS-L604531)		Prepared: 03/12/2022 Analyzed: 03/14/2022								
Indeno(1,2,3-cd)pyrene	0.0767	0.000627	mg/Kg	0.167		45.9	30-130			
Benzo(a)pyrene	0.0928	0.000468	"	0.167		55.5	30-130			
Pyrene	0.105	0.000643	"	0.167		62.8	30-130			
Naphthalene	0.0867	0.000484	"	0.167		51.9	30-130			
Fluorene	0.11	0.000286	"	0.167		65.8	30-130			
Dibenz(a,h)anthracene	0.084	0.000614	"	0.167		50.2	30-130			
Chrysene	0.0909	0.000624	"	0.167		54.4	30-130			
Fluoranthene	0.105	0.000394	"	0.167		62.8	30-130			
Benzo(b)fluoranthene	0.0893	0.000585	"	0.167		53.4	30-130			
1-Methylnaphthalene	0.0888	0.000364	"	0.167		53.1	30-130			
Benzo(a)anthracene	0.095	0.000493	"	0.167		56.8	30-130			
Anthracene	0.0974	0.000334	"	0.167		58.3	30-130			
Acenaphthene	0.0946	0.000304	"	0.167		56.6	30-130			
2-Methylnaphthalene	0.0898	0.000645	"	0.167		53.7	30-130			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

PAH by 8270D SIM - Quality Control
Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch L604531 - 3550B

LCS (LCS-L604531)

Prepared: 03/12/2022 Analyzed: 03/14/2022

Benzo(k)fluoranthene	0.0699	0.000437	mg/Kg	0.167		41.8	30-130			
Surrogate: Nitrobenzene-d5	45.3		"	0.333		45.3	29-110			
Surrogate: 4-Terphenyl-d14	64.5		"	0.333		64.5	33-122			
Surrogate: 2-Fluorobiphenyl	47.4		"	0.333		47.4	33-115			

LRB (LRB-L604531)

Prepared: 03/12/2022 Analyzed: 03/14/2022

Benzo(a)anthracene	ND	0.00067	mg/Kg				-			
1-Methylnaphthalene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00067	"				-			
Pyrene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Naphthalene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Fluoranthene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
Surrogate: Nitrobenzene-d5	43.5		"	0.333		43.5	29-110			
Surrogate: 2-Fluorobiphenyl	56.4		"	0.333		56.4	33-115			
Surrogate: 4-Terphenyl-d14	62.4		"	0.333		62.4	33-122			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

PAH by 8270D SIM - Quality Control
Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch L604210 - 3550B

MSD (L 86436-MSD-L604210)		Source: 86436			Prepared: 03/10/2022 Analyzed: 03/13/2022					
Benzo(b)fluoranthene	0.121	0.000585	mg/Kg	0.166	0.018	62	30-130	19.6	30	
Dibenz(a,h)anthracene	0.149	0.000614	"	0.166	0.00387	87.4	30-130	27.4	30	
Pyrene	0.135	0.000643	"	0.166	0.0243	66.6	30-130	25.9	30	
Naphthalene	0.1	0.000484	"	0.166	0.000829	59.7	30-130	16.6	30	
Indeno(1,2,3-cd)pyrene	0.139	0.000627	"	0.166	0.0151	74.6	30-130	26	30	
Fluoranthene	0.127	0.000394	"	0.166	0.0192	64.9	30-130	21.8	30	
Benzo(a)pyrene	0.115	0.000468	"	0.166	0.0173	58.8	30-130	22.8	30	
Fluorene	0.108	0.000286	"	0.166	0.00105	64.4	30-130	17.1	30	
Anthracene	0.103	0.000334	"	0.166	0.00295	60.2	30-130	15.2	30	
Acenaphthene	0.098	0.000304	"	0.166	0.00107	58.3	30-130	17.8	30	
2-Methylnaphthalene	0.107	0.000645	"	0.166	86436	64.4	30-130	17.5	30	
1-Methylnaphthalene	0.107	0.000364	"	0.166	86436	64.4	30-130	17.5	30	
Chrysene	0.109	0.000624	"	0.166	0.015	56.6	30-130	21.5	30	
Benzo(k)fluoranthene	0.105	0.000437	"	0.166	0.00543	59.9	30-130	25.6	30	
Benzo(a)anthracene	0.124	0.000493	"	0.166	0.014	66.2	30-130	21.4	30	
Surrogate: Nitrobenzene-d5	49		"	0.332	163	49	29-110			
Surrogate: 4-Terphenyl-d14	62.3		"	0.332	205	62.3	33-122			
Surrogate: 2-Fluorobiphenyl	59		"	0.332	196	59	33-115			

MS (L 86436-MS-L604210)		Source: 86436			Prepared: 03/10/2022 Analyzed: 03/13/2022					
Pyrene	0.104	0.000643	mg/Kg	0.165	0.0243	48.3	30-130			
Dibenz(a,h)anthracene	0.113	0.000614	"	0.165	0.00387	66.1	30-130			
Fluoranthene	0.102	0.000394	"	0.165	0.0192	50.1	30-130			
Fluorene	0.0909	0.000286	"	0.165	0.00105	54.4	30-130			
Indeno(1,2,3-cd)pyrene	0.107	0.000627	"	0.165	0.0151	55.6	30-130			
Chrysene	0.0878	0.000624	"	0.165	0.015	44.1	30-130			
Anthracene	0.0884	0.000334	"	0.165	0.00295	51.7	30-130			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

PAH by 8270D SIM - Quality Control
Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch L604210 - 3550B

MS (L 86436-MS-L604210)		Source: 86436			Prepared: 03/10/2022 Analyzed: 03/13/2022					
Naphthalene	0.0846	0.000484	mg/Kg	0.165	0.000829	50.7	30-130			
Benzo(k)fluoranthene	0.0811	0.000437	"	0.165	0.00543	45.8	30-130			
Benzo(b)fluoranthene	0.0994	0.000585	"	0.165	0.018	49.3	30-130			
Benzo(a)anthracene	0.1	0.000493	"	0.165	0.014	52.1	30-130			
Acenaphthene	0.0819	0.000304	"	0.165	0.00107	48.9	30-130			
2-Methylnaphthalene	0.0897	0.000645	"	0.165	86436	54.3	30-130			
1-Methylnaphthalene	0.0897	0.000364	"	0.165	86436	54.3	30-130			
Benzo(a)pyrene	0.0914	0.000468	"	0.165	0.0173	44.9	30-130			
Surrogate: Nitrobenzene-d5	48.1		"	0.33	163	48.1	29-110			
Surrogate: 4-Terphenyl-d14	61.5		"	0.33	205	61.5	33-122			
Surrogate: 2-Fluorobiphenyl	58.4		"	0.33	196	58.4	33-115			

LCS (LCS-L604210)		Prepared: 03/10/2022 Analyzed: 03/13/2022								
Anthracene	0.1	0.000334	mg/Kg	0.167		59.8	30-130			
Indeno(1,2,3-cd)pyrene	0.138	0.000627	"	0.167		82.6	30-130			
1-Methylnaphthalene	0.0981	0.000364	"	0.167		58.7	30-130			
Pyrene	0.109	0.000643	"	0.167		65.2	30-130			
Naphthalene	0.0927	0.000484	"	0.167		55.5	30-130			
Fluorene	0.0986	0.000286	"	0.167		59	30-130			
Fluoranthene	0.107	0.000394	"	0.167		64	30-130			
Dibenz(a,h)anthracene	0.147	0.000614	"	0.167		88	30-130			
2-Methylnaphthalene	0.098	0.000645	"	0.167		58.6	30-130			
Benzo(k)fluoranthene	0.0973	0.000437	"	0.167		58.2	30-130			
Benzo(b)fluoranthene	0.112	0.000585	"	0.167		67	30-130			
Benzo(a)pyrene	0.1	0.000468	"	0.167		59.8	30-130			
Benzo(a)anthracene	0.105	0.000493	"	0.167		62.8	30-130			
Acenaphthene	0.0909	0.000304	"	0.167		54.4	30-130			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

PAH by 8270D SIM - Quality Control
Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L604210 - 3550B										
LCS (LCS-L604210)					Prepared: 03/10/2022 Analyzed: 03/13/2022					
Chrysene	0.0927	0.000624	mg/Kg	0.167		55.5	30-130			
Surrogate: 4-Terphenyl-d14	63.9		"	0.333	63.9		33-122			
Surrogate: Nitrobenzene-d5	51.6		"	0.333	51.6		29-110			
Surrogate: 2-Fluorobiphenyl	62.7		"	0.333	62.7		33-115			
LRB (LRB-L604210)					Prepared: 03/10/2022 Analyzed: 03/13/2022					
Dibenz(a,h)anthracene	ND	0.00067	mg/Kg				-			
Fluoranthene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Naphthalene	ND	0.00067	"				-			
Pyrene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00067	"				-			
Surrogate: Nitrobenzene-d5	48.6		"	0.333	48.6		29-110			
Surrogate: 4-Terphenyl-d14	58.8		"	0.333	58.8		33-122			
Surrogate: 2-Fluorobiphenyl	58.5		"	0.333	58.5		33-115			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

PAH by 8270D-SIM - Quality Control
Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch L604443 - 3550B

MSD (L 88613-MSD-L604443)		Source: 88613			Prepared: 03/11/2022 Analyzed: 03/11/2022					
2-Methylnaphthalene	0.0895	0.000645	mg/Kg	0.167	88613	53.5	30-130	7	30	
Benzo(b)fluoranthene	0.104	0.000585	"	0.167	88613	62.2	30-130	2.9	30	
Naphthalene	0.0944	0.000484	"	0.167	88613	56.5	30-130	5.8	30	
Indeno(1,2,3-cd)pyrene	0.0904	0.000627	"	0.167	88613	54.1	30-130	5.8	30	
Fluorene	0.0911	0.000286	"	0.167	88613	54.5	30-130	1.7	30	
Fluoranthene	0.109	0.000394	"	0.167	88613	65.2	30-130	4.6	30	
Dibenz(a,h)anthracene	0.115	0.000614	"	0.167	88613	68.8	30-130	6.2	30	
Benzo(k)fluoranthene	0.121	0.000437	"	0.167	88613	72.4	30-130	4.2	30	
Pyrene	0.112	0.000643	"	0.167	88613	67	30-130	3.6	30	
Benzo(a)pyrene	0.124	0.000468	"	0.167	88613	74.2	30-130	4.9	30	
Benzo(a)anthracene	0.109	0.000493	"	0.167	88613	65.2	30-130	0.9	30	
Anthracene	0.0945	0.000334	"	0.167	88613	56.5	30-130	0.1	30	
Acenaphthene	0.086	0.000304	"	0.167	88613	51.4	30-130	5.2	30	
1-Methylnaphthalene	0.1	0.000364	"	0.167	88613	59.8	30-130	4.8	30	
Chrysene	0.1	0.000624	"	0.167	88613	59.8	30-130	0.3	30	
Surrogate: Nitrobenzene-d5	52.2		"	0.333	164	52.2	29-110			
Surrogate: 2-Fluorobiphenyl	59.7		"	0.333	178	59.7	33-115			
Surrogate: 4-Terphenyl-d14	76.8		"	0.333	241	76.8	33-122			

MS (L 88613-MS-L604443)		Source: 88613			Prepared: 03/11/2022 Analyzed: 03/11/2022					
Benzo(b)fluoranthene	0.101	0.000585	mg/Kg	0.167	88613	60.4	30-130			
Naphthalene	0.089	0.000484	"	0.167	88613	53.2	30-130			
Indeno(1,2,3-cd)pyrene	0.0853	0.000627	"	0.167	88613	51	30-130			
Fluorene	0.0895	0.000286	"	0.167	88613	53.5	30-130			
Fluoranthene	0.104	0.000394	"	0.167	88613	62.2	30-130			
Dibenz(a,h)anthracene	0.108	0.000614	"	0.167	88613	64.6	30-130			
1-Methylnaphthalene	0.0953	0.000364	"	0.167	88613	57	30-130			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

PAH by 8270D-SIM - Quality Control
Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch L604443 - 3550B

MS (L 88613-MS-L604443)		Source: 88613			Prepared: 03/11/2022 Analyzed: 03/11/2022					
Benzo(k)fluoranthene	0.116	0.000437	mg/Kg	0.167	88613	69.4	30-130			
Benzo(a)anthracene	0.108	0.000493	"	0.167	88613	64.6	30-130			
Pyrene	0.108	0.000643	"	0.167	88613	64.6	30-130			
Acenaphthene	0.0816	0.000304	"	0.167	88613	48.8	30-130			
2-Methylnaphthalene	0.0834	0.000645	"	0.167	88613	49.9	30-130			
Anthracene	0.0944	0.000334	"	0.167	88613	56.5	30-130			
Chrysene	0.0997	0.000624	"	0.167	88613	59.7	30-130			
Benzo(a)pyrene	0.118	0.000468	"	0.167	88613	70.6	30-130			
Surrogate: Nitrobenzene-d5	51.6		"	0.333	164	51.6	29-110			
Surrogate: 2-Fluorobiphenyl	57.3		"	0.333	178	57.3	33-115			
Surrogate: 4-Terphenyl-d14	74.7		"	0.333	241	74.7	33-122			

LCS (LCS-L604443)		Prepared: 03/11/2022 Analyzed: 03/11/2022								
Benzo(b)fluoranthene	0.0973	0.000585	mg/Kg	0.167		58.2	30-130			
1-Methylnaphthalene	0.0927	0.000364	"	0.167		55.5	30-130			
2-Methylnaphthalene	0.0804	0.000645	"	0.167		48.1	30-130			
Acenaphthene	0.0804	0.000304	"	0.167		48.1	30-130			
Anthracene	0.0914	0.000334	"	0.167		54.7	30-130			
Benzo(a)pyrene	0.107	0.000468	"	0.167		64	30-130			
Benzo(k)fluoranthene	0.1	0.000437	"	0.167		59.8	30-130			
Chrysene	0.094	0.000624	"	0.167		56.2	30-130			
Dibenz(a,h)anthracene	0.0909	0.000614	"	0.167		54.4	30-130			
Fluorene	0.0866	0.000286	"	0.167		51.8	30-130			
Indeno(1,2,3-cd)pyrene	0.067	0.000627	"	0.167		40.1	30-130			
Naphthalene	0.0855	0.000484	"	0.167		51.1	30-130			
Pyrene	0.103	0.000643	"	0.167		61.6	30-130			
Fluoranthene	0.0998	0.000394	"	0.167		59.7	30-130			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

PAH by 8270D-SIM - Quality Control
Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch L604443 - 3550B

LCS (LCS-L604443)

Prepared: 03/11/2022 Analyzed: 03/11/2022

Benzo(a)anthracene	0.0998	0.000493	mg/Kg	0.167		59.7	30-130			
Surrogate: 2-Fluorobiphenyl	61.8		"	0.333		61.8	33-115			
Surrogate: 4-Terphenyl-d14	74.7		"	0.333		74.7	33-122			
Surrogate: Nitrobenzene-d5	50.7		"	0.333		50.7	29-110			

LRB (LRB-L604443)

Prepared: 03/11/2022 Analyzed: 03/11/2022

Fluoranthene	ND	0.00067	mg/Kg				-			
Dibenz(a,h)anthracene	ND	0.00067	"				-			
Benzo(k)fluoranthene	ND	0.00067	"				-			
1-Methylnaphthalene	ND	0.00067	"				-			
Benzo(a)pyrene	ND	0.00067	"				-			
Benzo(a)anthracene	ND	0.00067	"				-			
Anthracene	ND	0.00067	"				-			
2-Methylnaphthalene	ND	0.00067	"				-			
Acenaphthene	ND	0.00067	"				-			
Fluorene	ND	0.00067	"				-			
Chrysene	ND	0.00067	"				-			
Pyrene	ND	0.00067	"				-			
Naphthalene	ND	0.00067	"				-			
Indeno(1,2,3-cd)pyrene	ND	0.00067	"				-			
Benzo(b)fluoranthene	ND	0.00067	"				-			
Surrogate: 4-Terphenyl-d14	76.8		"	0.333		76.8	33-122			
Surrogate: 2-Fluorobiphenyl	62.4		"	0.333		62.4	33-115			
Surrogate: Nitrobenzene-d5	53.7		"	0.333		53.7	29-110			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

Total Metals by 6020 B - Quality Control
Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L603693 - 3050B										
MSD (L 87227-MSD-L603693)			Source: 87227		Prepared: 03/08/2022 Analyzed: 03/10/2022					
Arsenic	6.13	0.0855	mg/Kg	2.44	3.26	118	75-125	16	80	
Zinc	58.3	0.534	"	24.4	37.8	84	75-125	2.9	80	
Silver	0.473	0.0067	"	0.488	0.044	88	75-125	4.5	80	
Selenium	3.6	0.103	"	4.88	0.38	66	75-125	4.5	80	*
Nickel	14.3	0.0633	"	2.44	12.3	82	75-125	2.8	80	
Lead	10.7	0.031	"	2.44	8.54	88	75-125	7.9	80	
Copper	12.4	0.0806	"	2.44	10.9	61	75-125	3.2	80	*
Cadmium	0.563	0.0259	"	0.488	0.123	90	75-125	7.1	80	
Barium	138	0.042	"	4.88	151	NR	75-125	17.2	80	*
MS (L 87227-MS-L603693)			Source: 87227		Prepared: 03/08/2022 Analyzed: 03/10/2022					
Barium	164	0.042	mg/Kg	4.64	151	280	75-125			*
Cadmium	0.524	0.0259	"	0.464	0.123	86	75-125			
Copper	12	0.0806	"	2.32	10.9	47	75-125			*
Selenium	3.44	0.103	"	4.64	0.38	66	75-125			*
Silver	0.452	0.0067	"	0.464	0.044	88	75-125			
Arsenic	5.22	0.0855	"	2.32	3.26	85	75-125			
Nickel	13.9	0.0633	"	2.32	12.3	69	75-125			*
Lead	9.88	0.031	"	2.32	8.54	58	75-125			*
Zinc	56.6	0.534	"	23.2	37.8	81	75-125			
LCS (LCS-L603693)			Prepared: 03/08/2022 Analyzed: 03/10/2022							
Lead	2.43	0.031	mg/Kg	2.5		97	80-120			
Zinc	24.2	0.534	"	25		97	80-120			
Silver	0.487	0.0067	"	0.5		97	80-120			
Nickel	2.51	0.0633	"	2.5		100	80-120			
Copper	2.46	0.0806	"	2.5		98	80-120			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

Total Metals by 6020 B - Quality Control
Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch L603693 - 3050B

LCS (LCS-L603693)

Prepared: 03/08/2022 Analyzed: 03/10/2022

Cadmium	0.479	0.0259	mg/Kg	0.5		96	80-120			
Barium	4.81	0.042	"	5		96	80-120			
Arsenic	2.28	0.0855	"	2.5		91	80-120			
Selenium	4.68	0.103	"	5		94	80-120			

LRB (LRB-L603693)

Prepared: 03/08/2022 Analyzed: 03/10/2022

Lead	ND	0.25	mg/Kg				-			
Zinc	ND	2.5	"				-			
Silver	ND	0.25	"				-			
Copper	ND	0.25	"				-			
Nickel	ND	0.25	"				-			
Arsenic	ND	0.25	"				-			
Barium	ND	0.25	"				-			
Cadmium	ND	0.25	"				-			
Selenium	ND	0.25	"				-			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

Total Metals by 6020B - Quality Control Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L603687 - 3050B										
MSD (L 87207-MSD-L603687)			Source: Y203170-08		Prepared: 03/08/2022 Analyzed: 03/10/2022					
Selenium	3.72	0.103	mg/Kg	4.73	0.271	73	75-125	6.7	80	*
Nickel	9.46	0.0633	"	2.37	3.6	248	75-125	50	80	*
Arsenic	6.73	0.0855	"	2.37	2.81	166	75-125	71.6	80	*
Barium	99.2	0.042	"	4.73	69.3	631	75-125	42.8	80	*
Cadmium	0.635	0.0259	"	0.473	0.0809	117	75-125	18.7	80	
Lead	7.33	0.031	"	2.37	4.55	117	75-125	10.4	80	
Silver	0.455	0.0067	"	0.473	0.0116	94	75-125	4.5	80	
Copper	8.28	0.0806	"	2.37	3.26	212	75-125	41.3	80	*
Zinc	49.9	0.534	"	23.7	17.2	138	75-125	25	80	*
MS (L 87207-MS-L603687)			Source: Y203170-08		Prepared: 03/08/2022 Analyzed: 03/10/2022					
Lead	6.6	0.031	mg/Kg	2.39	4.55	86	75-125			
Nickel	5.67	0.0633	"	2.39	3.6	87	75-125			
Selenium	3.98	0.103	"	4.78	0.271	78	75-125			
Silver	0.476	0.0067	"	0.478	0.0116	97	75-125			
Cadmium	0.526	0.0259	"	0.478	0.0809	93	75-125			
Arsenic	3.18	0.0855	"	2.39	2.81	15	75-125			*
Copper	5.44	0.0806	"	2.39	3.26	91	75-125			
Zinc	38.8	0.534	"	23.9	17.2	90	75-125			
Barium	64.2	0.042	"	4.78	69.3	NR	75-125			*
LCS (LCS-L603687)			Prepared: 03/08/2022 Analyzed: 03/10/2022							
Silver	0.496	0.0067	mg/Kg	0.5		99	80-120			
Arsenic	2.3	0.0855	"	2.5		92	80-120			
Barium	4.98	0.042	"	5		100	80-120			
Cadmium	0.486	0.0259	"	0.5		97	80-120			
Copper	2.42	0.0806	"	2.5		97	80-120			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

Total Metals by 6020B - Quality Control Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	-----------------	-------	-------------	---------------	------	-------------	-----	-----------	-------

Batch L603687 - 3050B

LCS (LCS-L603687)

Prepared: 03/08/2022 Analyzed: 03/10/2022

Lead	2.46	0.031	mg/Kg	2.5		98	80-120			
Selenium	4.71	0.103	"	5		94	80-120			
Zinc	24.1	0.534	"	25		96	80-120			
Nickel	2.51	0.0633	"	2.5		100	80-120			

LRB (LRB-L603687)

Prepared: 03/08/2022 Analyzed: 03/10/2022

Lead	ND	0.25	mg/Kg				-			
Silver	ND	0.25	"				-			
Nickel	ND	0.25	"				-			
Arsenic	ND	0.25	"				-			
Copper	ND	0.25	"				-			
Cadmium	ND	0.25	"				-			
Zinc	ND	2.5	"				-			
Barium	ND	0.25	"				-			
Selenium	ND	0.25	"				-			

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

Total Metals by 7196 A - Quality Control
Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L604715 -										
DUP (L 87203-DUP)		Source: Y203170-04			Prepared: Analyzed: 03/14/2022					
Chromium, Hexavalent	ND	0.492	mg/Kg		87203	-		0	20	
MS (L 87203-MS)		Source: Y203170-04			Prepared: Analyzed: 03/14/2022					
Chromium, Hexavalent	7	0.497	mg/Kg	8.16	87203	86	75-125			
LCS (LCS)					Prepared: Analyzed: 03/14/2022					
Chromium, Hexavalent	6.52	0.244	mg/Kg	8		82	75-125			
LRB (LRB)					Prepared: Analyzed: 03/14/2022					
Chromium, Hexavalent	ND	0.5	mg/Kg							

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

Total Metals by 7196A - Quality Control
Waypoint Analytical, Inc.

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch L604343 -										
DUP (L 87188-DUP)		Source: 87188			Prepared: Analyzed: 03/11/2022					
Chromium, Hexavalent	ND	0.244	mg/Kg		87188	-		0	20	
MS (L 87188-MS)		Source: 87188			Prepared: Analyzed: 03/11/2022					
Chromium, Hexavalent	0.435	0.244	mg/Kg	0.019	87188	0	75-125			*

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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.

Apex Companies, LLC
4150 Darley Avenue, Suite 1
Boulder CO 80305

Maggie Graham
Project Number: -
Project: Bonanza - State Antelope 14-2 J24

Notes and Definitions

- U Sample is Non-Detect.
- S-GC Surrogate recovery outside of control limits. The data was accepted based on valid recovery of the remaining surrogate.
- S-07 High surrogate in sample, however sample is non-detect. High surrogate indicates result values are biased high.
- QR-DUP RPD exceeds QC acceptance criteria, this indicates source sample is not homogenous.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- J Estimated Value. Analyte below reported quantitation limit.
- * QC Failure
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- All soil results are reported on a wet weight basis.

Origins Laboratory, Inc.



Jen Pellegrini, Project Manager

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.