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06 June 2024

Jacob Harter  
Cottonwood Consulting  
PO Box 1653  
Durango, CO 81302

RE: Silver King Pan Am Hayes (OWP) 5-27

Enclosed are the results of analyses for samples received by the laboratory on 05/22/23 16:51. The data to follow was performed, in whole or in part, by Green Analytical Laboratories. Any data that was performed by a subcontract laboratory is included within the GAL report, or with an additional report attached.

If you need any further assistance, please feel free to contact me.

Sincerely,

A handwritten signature in blue ink that reads 'Veronica J. Wells'.

Veronica Wells  
Project Manager

All accredited analytes contained in this report are denoted by an asterisk (\*). For a complete list of accredited analytes please do not hesitate to contact us via any of the contact information contained in this report. All of our certifications can be viewed at <http://greenanalytical.com/certifications/>

Green Analytical Laboratories is NELAP accredited through the Texas Commission on Environmental Quality. Accreditation applies to drinking water and non-potable water matrices for trace metals and a variety of inorganic parameters. Green Analytical Laboratories is also accredited through the Colorado Department of Public Health and Environment and EPA region 8 for trace metals, Cyanide, Fluoride, Nitrate, and Nitrite in drinking water. TNI Certificate Number: TX-C24-00019

Our affiliate laboratory, Cardinal Laboratories, is also NELAP accredited through the Texas Commission on Environmental Quality for a variety of organic constituents in drinking water, non-potable water and solid matrices. Cardinal is also accredited for regulated VOCs, TTHM, and HAA-5 in drinking water through the Colorado Department of Public Health and Environment and EPA region 8. TNI Certificate Number: TX-C24-00112

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Cottonwood Consulting  
 PO Box 1653  
 Durango CO, 81302

Project: Table 915-1  
 Project Name / Number: Silver King Pan Am Hayes (OWP) 5-27  
 Project Manager: Jacob Harter

**Reported:**  
 06/06/24 13:53

### ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
SS01	2405279-01	Solid	05/21/24 17:20	05/22/23 16:51	

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A handwritten signature in blue ink that reads 'Veronica J. Wells'.

Veronica Wells, Project Manager

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**Reported:**  
06/06/24 13:53

### SS01

2405279-01 (Soil)

Sampled Date: 05/21/24 17:20

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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#### General Chemistry

Hexavalent Chromium	<0.250	0.250	0.116	mg/kg dry	25	06/05/24 16:00	3060A/3500-Cr B		AES
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#### Saturated Paste Extraction

Calcium	382	1.50	0.868	mg/L	15	06/03/24 13:17	EPA200.7		AWG
Conductivity	10600			umho/cm@25 C	1	05/31/24 11:00	ASA#9 10-3.3		AES
Magnesium	71.0	1.50	0.981	mg/L	15	06/03/24 13:17	EPA200.7		AWG
pH	8.58			pH Units	1	06/03/24 11:00	ASA#9 10-3.2		AES
SAR	29.0			No Unit	1	06/03/24 13:17	Calculation		AWG
Sodium	2350	15.0	1.19	mg/L	15	06/03/24 13:17	EPA200.7		AWG

#### Total Metals by ICP

Barium	180	5.00	0.975	mg/kg dry	100	05/29/24 15:18	6010B		AWG
Cadmium	<5.00	5.00	1.24	mg/kg dry	100	05/29/24 15:18	6010B		AWG
Copper	19.3	10.0	3.51	mg/kg dry	100	05/29/24 15:18	6010B		AWG
Lead	13.5	10.0	2.49	mg/kg dry	100	05/29/24 15:18	6010B		AWG
Nickel	14.5	5.00	2.33	mg/kg dry	100	05/29/24 15:18	6010B		AWG
Selenium	<20.0	20.0	10.5	mg/kg dry	100	05/29/24 15:18	6010B	B2	AWG
Silver	<1.00	1.00	0.437	mg/kg dry	100	05/30/24 13:09	6010B		AWG
Zinc	67.4	10.0	1.63	mg/kg dry	100	05/29/24 15:18	6010B		AWG

#### Total Metals by ICPMS

Arsenic	5.60	1.00	0.158	mg/kg dry	1000	06/03/24 12:53	6020A		AES
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#### Hot Water Extractable

Boron	2.95	1.20	0.568	mg/L	4	06/03/24 13:57	EPA200.7		AWG
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Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

#### Petroleum Hydrocarbons by GC FID

DRO >C10-C28*	<10.0	10.0	4.26	mg/kg	1	05/24/24 21:27	8015B		MS
EXT DRO >C28-C36	<10.0	10.0	4.26	mg/kg	1	05/24/24 21:27	8015B		MS
GRO C6-C10*	<10.0	10.0	6.25	mg/kg	1	05/24/24 21:27	8015B		MS

Surrogate: 1-Chlorooctadecane

80.0 % 49.1-148

05/24/24  
21:27

8015B

MS

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*Veronica J Wells*

Veronica Wells, Project Manager

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### SS01

2405279-01 (Soil)

Sampled Date: 05/21/24 17:20

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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### Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240

#### Petroleum Hydrocarbons by GC FID

Surrogate: 1-Chlorooctane	86.6 %	48.2-134				05/24/24 21:27	8015B		MS
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#### VOLATILES BY GC/MS

1,2,4-Trimethylbenzene	<0.0250	0.0250	0.00650	mg/kg	50	05/30/24 18:33	8260B		MS
1,3,5-Trimethylbenzene	<0.0250	0.0250	0.00450	mg/kg	50	05/30/24 18:33	8260B		MS
Benzene*	<0.0250	0.0250	0.00885	mg/kg	50	05/30/24 18:33	8260B		MS
Ethylbenzene*	<0.0250	0.0250	0.00405	mg/kg	50	05/30/24 18:33	8260B		MS
m+p - Xylene*	<b>0.0534</b>	0.0500	0.0186	mg/kg	50	05/30/24 18:33	8260B		MS
Naphthalene*	<0.0250	0.0250	0.00500	mg/kg	50	05/30/24 18:33	8260B		MS
o-Xylene*	<b>0.0250</b>	0.0250	0.00700	mg/kg	50	05/30/24 18:33	8260B		MS
Toluene*	<0.0250	0.0250	0.00670	mg/kg	50	05/30/24 18:33	8260B		MS
Total Xylenes*	<b>0.0784</b>	0.0750	0.0256	mg/kg	50	05/30/24 18:33	8260B		MS

Surrogate: 4-Bromofluorobenzene	97.3 %	82.5-117				05/30/24 18:33	8260B		MS
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Surrogate: Dibromofluoromethane	107 %	84.6-114				05/30/24 18:33	8260B		MS
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Surrogate: Toluene-d8	99.1 %	90.4-109				05/30/24 18:33	8260B		MS
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#### Polynuclear Aromatic Compounds by GC/MS

1-Methylnaphthalene	<0.040	0.040	0.016	mg/kg	40	06/05/24 18:52	8270C		MS
2-Methylnaphthalene*	<0.040	0.040	0.023	mg/kg	40	06/05/24 18:52	8270C		MS
Acenaphthene*	<0.040	0.040	0.024	mg/kg	40	06/05/24 18:52	8270C		MS
Anthracene*	<0.040	0.040	0.017	mg/kg	40	06/05/24 18:52	8270C		MS
Benzo[a]anthracene*	<0.040	0.040	0.023	mg/kg	40	06/05/24 18:52	8270C		MS
Benzo[a]pyrene*	<0.040	0.040	0.018	mg/kg	40	06/05/24 18:52	8270C		MS
Benzo[b]fluoranthene*	<0.040	0.040	0.019	mg/kg	40	06/05/24 18:52	8270C		MS
Benzo[k]fluoranthene*	<0.040	0.040	0.016	mg/kg	40	06/05/24 18:52	8270C		MS
Chrysene	<0.040	0.040	0.017	mg/kg	40	06/05/24 18:52	8270C		MS
Dibenz[a,h]anthracene*	<0.040	0.040	0.019	mg/kg	40	06/05/24 18:52	8270C		MS
Fluoranthene*	<0.040	0.040	0.019	mg/kg	40	06/05/24 18:52	8270C		MS
Fluorene*	<0.040	0.040	0.014	mg/kg	40	06/05/24 18:52	8270C		MS
Indeno[1,2,3-cd]pyrene*	<0.040	0.040	0.017	mg/kg	40	06/05/24 18:52	8270C		MS

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*Veronica J Wells*

Veronica Wells, Project Manager

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06/06/24 13:53

**SS01**

**2405279-01 (Soil)**

**Sampled Date: 05/21/24 17:20**

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
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**Subcontracted -- Cardinal Laboratories 101 East Marland Hobbs, NM 88240**

**Polynuclear Aromatic Compounds by GC/MS**

<b>Naphthalene*</b>	<0.040	0.040	0.015	mg/kg	40	06/05/24 18:52	8270C		MS
<b>Pyrene*</b>	<0.040	0.040	0.013	mg/kg	40	06/05/24 18:52	8270C		MS
<i>Surrogate: 2-Fluorobiphenyl</i>			85.8 %	7.39-192		06/05/24 18:52	8270C		MS
<i>Surrogate: Nitrobenzene-d5</i>			80.4 %	5.17-184		06/05/24 18:52	8270C		MS
<i>Surrogate: Terphenyl-d14</i>			111 %	27.5-139		06/05/24 18:52	8270C		MS

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### General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B241440 - General Prep - Wet Chem</b>										
<b>Blank (B241440-BLK1)</b> Prepared: 05/31/24 Analyzed: 06/05/24										
Hexavalent Chromium	ND	0.250	mg/kg dry							
<b>LCS (B241440-BS1)</b> Prepared: 05/31/24 Analyzed: 06/05/24										
Hexavalent Chromium	2.50	0.250	mg/kg dry	2.50		100	85-115			

### Saturated Paste Extraction - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
<b>Batch B241434 - General Prep-SOILS</b>										
<b>Blank (B241434-BLK1)</b> Prepared: 05/31/24 Analyzed: 06/03/24										
Calcium	ND	0.100	mg/L							
Magnesium	ND	0.100	mg/L							
SAR	0.00		No Unit							
Sodium	ND	1.00	mg/L							
<b>Reference (B241434-SRM1)</b> Prepared: 05/31/24 Analyzed: 06/03/24										
SAR	6.33		No Unit	6.20		102	90-110			

### Batch B241435 - Paste Extract

<b>Reference (B241435-SRM1)</b> Prepared & Analyzed: 05/31/24										
Conductivity	6770		umho/cm@2 5C	6480		104	90-110			

### Batch B241436 - Paste Extract

<b>Reference (B241436-SRM1)</b> Prepared: 05/31/24 Analyzed: 06/03/24										
pH	7.41		pH Units	7.35		101	92-108			

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Project Manager: Jacob Harter

Reported:  
06/06/24 13:53

### Total Metals by ICP - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch B241333 - EPA 3050

##### Blank (B241333-BLK1)

Prepared: 05/23/24 Analyzed: 05/29/24

Barium	ND	5.00	mg/kg dry							
Cadmium	ND	5.00	mg/kg dry							
Copper	ND	10.0	mg/kg dry							
Lead	ND	10.0	mg/kg dry							
Nickel	ND	5.00	mg/kg dry							
Selenium	ND	20.0	mg/kg dry							
Silver	ND	1.00	mg/kg dry							
Zinc	ND	10.0	mg/kg dry							

##### LCS (B241333-BS1)

Prepared: 05/23/24 Analyzed: 05/29/24

Barium	194	5.00	mg/kg dry	200		96.8	80-120			
Cadmium	180	5.00	mg/kg dry	200		90.0	80-120			
Copper	402	10.0	mg/kg dry	400		101	80-120			
Lead	183	10.0	mg/kg dry	200		91.5	80-120			
Nickel	183	5.00	mg/kg dry	200		91.6	80-120			
Selenium	785	20.0	mg/kg dry	800		98.1	80-120			
Silver	8.81	1.00	mg/kg dry	10.0		88.1	80-120			
Zinc	173	10.0	mg/kg dry	200		86.3	80-120			

##### LCS Dup (B241333-BSD1)

Prepared: 05/23/24 Analyzed: 05/29/24

Barium	192	5.00	mg/kg dry	200		95.9	80-120	0.935	20	
Cadmium	177	5.00	mg/kg dry	200		88.5	80-120	1.71	20	
Copper	402	10.0	mg/kg dry	400		100	80-120	0.212	20	
Lead	182	10.0	mg/kg dry	200		91.1	80-120	0.445	20	
Nickel	183	5.00	mg/kg dry	200		91.3	80-120	0.351	20	
Selenium	767	20.0	mg/kg dry	800		95.9	80-120	2.34	20	
Silver	8.85	1.00	mg/kg dry	10.0		88.5	80-120	0.503	20	
Zinc	172	10.0	mg/kg dry	200		85.8	80-120	0.625	20	

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Veronica Wells, Project Manager

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### Total Metals by ICPMS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch B241334 - EPA 3050M

##### Blank (B241334-BLK1)

Prepared: 05/23/24 Analyzed: 06/03/24

Arsenic	ND	0.100	mg/kg dry							
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##### LCS (B241334-BS1)

Prepared: 05/23/24 Analyzed: 06/03/24

Arsenic	5.32	0.100	mg/kg dry	5.00		106	80-120			
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##### LCS Dup (B241334-BSD1)

Prepared: 05/23/24 Analyzed: 06/03/24

Arsenic	5.25	0.100	mg/kg dry	5.00		105	80-120	1.32	20	
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### Hot Water Extractable - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch B241437 - Paste Extract

##### Blank (B241437-BLK1)

Prepared: 05/31/24 Analyzed: 06/03/24

Boron	ND	1.20	mg/L							
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### Petroleum Hydrocarbons by GC FID - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 4052418 - General Prep - Organics

##### Blank (4052418-BLK1)

Prepared & Analyzed: 05/24/24

Surrogate: 1-Chlorooctadecane	37.6		mg/kg	50.0		75.2	49.1-148			
Surrogate: 1-Chlorooctane	40.1		mg/kg	50.0		80.3	48.2-134			
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
GRO C6-C10	ND	10.0	mg/kg							

##### LCS (4052418-BS1)

Prepared & Analyzed: 05/24/24

Surrogate: 1-Chlorooctadecane	42.7		mg/kg	50.0		85.4	49.1-148			
Surrogate: 1-Chlorooctane	47.2		mg/kg	50.0		94.5	48.2-134			
DRO >C10-C28	187	10.0	mg/kg	200		93.4	66.5-118			
GRO C6-C10	186	10.0	mg/kg	200		92.8	66.4-123			
Total TPH C6-C28	372	10.0	mg/kg	400		93.1	77.6-123			

##### LCS Dup (4052418-BSD1)

Prepared & Analyzed: 05/24/24

Surrogate: 1-Chlorooctadecane	41.1		mg/kg	50.0		82.2	49.1-148			
Surrogate: 1-Chlorooctane	44.5		mg/kg	50.0		89.1	48.2-134			
DRO >C10-C28	189	10.0	mg/kg	200		94.4	66.5-118	1.08	21	
GRO C6-C10	185	10.0	mg/kg	200		92.7	66.4-123	0.180	17.7	
Total TPH C6-C28	374	10.0	mg/kg	400		93.5	77.6-123	0.451	18.5	

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### VOLATILES BY GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 4052931 - Volatiles

##### Blank (4052931-BLK1)

Prepared: 05/29/24 Analyzed: 05/30/24

1,2,4-Trimethylbenzene	ND	0.0250	mg/kg							
1,3,5-Trimethylbenzene	ND	0.0250	mg/kg							
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>1.21</i>		mg/kg	<i>1.25</i>		<i>96.7</i>	<i>82.5-117</i>			
Benzene	ND	0.0250	mg/kg							
<i>Surrogate: Dibromofluoromethane</i>	<i>1.23</i>		mg/kg	<i>1.25</i>		<i>98.2</i>	<i>84.6-114</i>			
Ethylbenzene	ND	0.0250	mg/kg							
m+p - Xylene	ND	0.0500	mg/kg							
Naphthalene	ND	0.0250	mg/kg							
o-Xylene	ND	0.0250	mg/kg							
Toluene	ND	0.0250	mg/kg							
<i>Surrogate: Toluene-d8</i>	<i>1.27</i>		mg/kg	<i>1.25</i>		<i>101</i>	<i>90.4-109</i>			
Total Xylenes	ND	0.0750	mg/kg							

##### LCS (4052931-BS1)

Prepared: 05/29/24 Analyzed: 05/30/24

1,2,4-Trimethylbenzene	0.397	0.0250	mg/kg	0.500		79.4	62.4-140			
1,3,5-Trimethylbenzene	0.499	0.0250	mg/kg	0.500		99.8	64.4-138			
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>1.31</i>		mg/kg	<i>1.25</i>		<i>105</i>	<i>82.5-117</i>			
Benzene	0.521	0.0250	mg/kg	0.500		104	73-130			
<i>Surrogate: Dibromofluoromethane</i>	<i>1.22</i>		mg/kg	<i>1.25</i>		<i>97.6</i>	<i>84.6-114</i>			
Ethylbenzene	0.530	0.0250	mg/kg	0.500		106	75.4-127			
m+p - Xylene	0.996	0.0500	mg/kg	1.00		99.6	71.8-133			
Naphthalene	0.392	0.0250	mg/kg	0.500		78.5	28.7-158			
o-Xylene	0.464	0.0250	mg/kg	0.500		92.8	78.6-125			
Toluene	0.516	0.0250	mg/kg	0.500		103	79-122			
<i>Surrogate: Toluene-d8</i>	<i>1.26</i>		mg/kg	<i>1.25</i>		<i>101</i>	<i>90.4-109</i>			
Total Xylenes	1.46	0.0750	mg/kg	1.50		97.3	74.6-130			

##### LCS Dup (4052931-BSD1)

Prepared: 05/29/24 Analyzed: 05/30/24

1,2,4-Trimethylbenzene	0.404	0.0250	mg/kg	0.500		80.8	62.4-140	1.83	38.2	
1,3,5-Trimethylbenzene	0.511	0.0250	mg/kg	0.500		102	64.4-138	2.41	39.1	
<i>Surrogate: 4-Bromofluorobenzene</i>	<i>1.31</i>		mg/kg	<i>1.25</i>		<i>105</i>	<i>82.5-117</i>			
Benzene	0.535	0.0250	mg/kg	0.500		107	73-130	2.72	17.1	
<i>Surrogate: Dibromofluoromethane</i>	<i>1.23</i>		mg/kg	<i>1.25</i>		<i>98.4</i>	<i>84.6-114</i>			
Ethylbenzene	0.534	0.0250	mg/kg	0.500		107	75.4-127	0.778	16.5	
m+p - Xylene	0.993	0.0500	mg/kg	1.00		99.3	71.8-133	0.296	19.1	
Naphthalene	0.370	0.0250	mg/kg	0.500		74.0	28.7-158	5.82	64	
o-Xylene	0.465	0.0250	mg/kg	0.500		93.0	78.6-125	0.250	13.2	
Toluene	0.516	0.0250	mg/kg	0.500		103	79-122	0.143	18.3	

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*Veronica J Wells*

Veronica Wells, Project Manager

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Cottonwood Consulting  
 PO Box 1653  
 Durango CO, 81302

Project: Table 915-1  
 Project Name / Number: Silver King Pan Am Hayes (OWP) 5-27  
 Project Manager: Jacob Harter

**Reported:**  
 06/06/24 13:53

**VOLATILES BY GC/MS - Quality Control  
 (Continued)**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC %REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4052931 - Volatiles (Continued)**

**LCS Dup (4052931-BSD1) (Continued)**

Prepared: 05/29/24 Analyzed: 05/30/24

<i>Surrogate: Toluene-d8</i>	1.27		mg/kg	1.25		102	90.4-109			
Total Xylenes	1.46	0.0750	mg/kg	1.50		97.2	74.6-130	0.122	16.5	

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A handwritten signature in blue ink that reads 'Veronica J. Wells'.

Veronica Wells, Project Manager

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PO Box 1653  
Durango CO, 81302

Project: Table 915-1  
Project Name / Number: Silver King Pan Am Hayes (OWP) 5-27  
Project Manager: Jacob Harter

Reported:  
06/06/24 13:53

### Polynuclear Aromatic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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#### Batch 4052804 - SW846-3510

##### Blank (4052804-BLK1)

Prepared: 05/28/24 Analyzed: 06/05/24

1-Methylnaphthalene	ND	0.040	mg/kg							
<i>Surrogate: 2-Fluorobiphenyl</i>	2.11		mg/kg	2.00		106	7.39-192			
2-Methylnaphthalene	ND	0.040	mg/kg							
Acenaphthene	ND	0.040	mg/kg							
Anthracene	ND	0.040	mg/kg							
Benzo[a]anthracene	ND	0.040	mg/kg							
Benzo[a]pyrene	ND	0.040	mg/kg							
Benzo[b]fluoranthene	ND	0.040	mg/kg							
Benzo[k]fluoranthene	ND	0.040	mg/kg							
Chrysene	ND	0.040	mg/kg							
Dibenz[a,h]anthracene	ND	0.040	mg/kg							
Fluoranthene	ND	0.040	mg/kg							
Fluorene	ND	0.040	mg/kg							
Indeno[1,2,3-cd]pyrene	ND	0.040	mg/kg							
Naphthalene	ND	0.040	mg/kg							
<i>Surrogate: Nitrobenzene-d5</i>	1.98		mg/kg	2.00		98.9	5.17-184			
Pyrene	ND	0.040	mg/kg							
<i>Surrogate: Terphenyl-d14</i>	2.36		mg/kg	2.00		118	27.5-139			

##### LCS (4052804-BS1)

Prepared: 05/28/24 Analyzed: 06/05/24

1-Methylnaphthalene	0.350	0.040	mg/kg	0.400		87.5	47.6-126			
<i>Surrogate: 2-Fluorobiphenyl</i>	1.84		mg/kg	2.00		92.0	7.39-192			
2-Methylnaphthalene	0.353	0.040	mg/kg	0.400		88.3	48.1-126			
Acenaphthene	0.370	0.040	mg/kg	0.400		92.6	49.4-119			
Acenaphthylene	0.364	0.040	mg/kg	0.400		91.1	50.2-124			
Anthracene	0.374	0.040	mg/kg	0.400		93.6	51.9-120			
Benzo[a]anthracene	0.374	0.040	mg/kg	0.400		93.4	49.9-123			
Benzo[a]pyrene	0.373	0.040	mg/kg	0.400		93.4	52.9-126			
Benzo[b]fluoranthene	0.363	0.040	mg/kg	0.400		90.6	52.1-125			
Benzo[g,h,i]perylene	0.362	0.040	mg/kg	0.400		90.4	50.7-130			
Benzo[k]fluoranthene	0.382	0.040	mg/kg	0.400		95.5	49.3-131			
Carbazole	0.356	0.040	mg/kg	0.400		89.0	54-123			
Chrysene	0.374	0.040	mg/kg	0.400		93.5	50.1-125			
Dibenz[a,h]anthracene	0.372	0.040	mg/kg	0.400		92.9	51.7-129			
Fluoranthene	0.377	0.040	mg/kg	0.400		94.4	54.9-126			
Fluorene	0.367	0.040	mg/kg	0.400		91.7	50.1-126			
Indeno[1,2,3-cd]pyrene	0.366	0.040	mg/kg	0.400		91.5	50-132			
Naphthalene	0.352	0.040	mg/kg	0.400		87.9	46.9-122			

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*Veronica J Wells*

Veronica Wells, Project Manager

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Cottonwood Consulting  
PO Box 1653  
Durango CO, 81302

Project: Table 915-1  
Project Name / Number: Silver King Pan Am Hayes (OWP) 5-27  
Project Manager: Jacob Harter

Reported:  
06/06/24 13:53

**Polynuclear Aromatic Compounds by GC/MS - Quality Control  
(Continued)**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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**Batch 4052804 - SW846-3510 (Continued)**

**LCS (4052804-BS1) (Continued)**

Prepared: 05/28/24 Analyzed: 06/05/24

<i>Surrogate: Nitrobenzene-d5</i>	1.84		mg/kg	2.00		92.2	5.17-184			
Phenanthrene	0.378	0.040	mg/kg	0.400		94.6	53.6-120			
Pyrene	0.391	0.040	mg/kg	0.400		97.7	50.2-124			
<i>Surrogate: Terphenyl-d14</i>	2.11		mg/kg	2.00		105	27.5-139			

**LCS Dup (4052804-BSD1)**

Prepared: 05/28/24 Analyzed: 06/05/24

1-Methylnaphthalene	0.344	0.040	mg/kg	0.400		86.0	47.6-126	1.73	6.22	
<i>Surrogate: 2-Fluorobiphenyl</i>	1.79		mg/kg	2.00		89.7	7.39-192			
2-Methylnaphthalene	0.343	0.040	mg/kg	0.400		85.8	48.1-126	2.82	6.23	
Acenaphthene	0.377	0.040	mg/kg	0.400		94.4	49.4-119	1.91	8.18	
Acenaphthylene	0.351	0.040	mg/kg	0.400		87.7	50.2-124	3.85	5	
Anthracene	0.371	0.040	mg/kg	0.400		92.7	51.9-120	1.02	3.68	
Benzo[a]anthracene	0.371	0.040	mg/kg	0.400		92.7	49.9-123	0.747	9.01	
Benzo[a]pyrene	0.387	0.040	mg/kg	0.400		96.8	52.9-126	3.65	4.92	
Benzo[b]fluoranthene	0.381	0.040	mg/kg	0.400		95.2	52.1-125	4.88	7.63	
Benzo[g,h,i]perylene	0.386	0.040	mg/kg	0.400		96.5	50.7-130	6.48	12.5	
Benzo[k]fluoranthene	0.383	0.040	mg/kg	0.400		95.7	49.3-131	0.251	10.6	
Carbazole	0.362	0.040	mg/kg	0.400		90.6	54-123	1.72	8.65	
Chrysene	0.384	0.040	mg/kg	0.400		96.1	50.1-125	2.71	21.8	
Dibenz[a,h]anthracene	0.374	0.040	mg/kg	0.400		93.4	51.7-129	0.529	11.6	
Fluoranthene	0.398	0.040	mg/kg	0.400		99.4	54.9-126	5.20	7.54	
Fluorene	0.360	0.040	mg/kg	0.400		90.0	50.1-126	1.83	5.49	
Indeno[1,2,3-cd]pyrene	0.390	0.040	mg/kg	0.400		97.4	50-132	6.28	22.3	
Naphthalene	0.338	0.040	mg/kg	0.400		84.4	46.9-122	4.10	4.56	
<i>Surrogate: Nitrobenzene-d5</i>	1.82		mg/kg	2.00		91.2	5.17-184			
Phenanthrene	0.389	0.040	mg/kg	0.400		97.2	53.6-120	2.71	5.21	
Pyrene	0.383	0.040	mg/kg	0.400		95.9	50.2-124	1.88	10.6	
<i>Surrogate: Terphenyl-d14</i>	1.99		mg/kg	2.00		99.4	27.5-139			

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*Veronica J Wells*

Veronica Wells, Project Manager

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Cottonwood Consulting  
 PO Box 1653  
 Durango CO, 81302

Project: Table 915-1  
 Project Name / Number: Silver King Pan Am Hayes (OWP) 5-27  
 Project Manager: Jacob Harter

**Reported:**  
 06/06/24 13:53

### Notes and Definitions

B2	Target analyte detected in continuing calibration blank at or above method reporting limit. Sample concentration found to be 10 times above the concentration found in the blank or less than the reporting limit.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis *Results reported on as received basis unless designated as dry.
RPD	Relative Percent Difference
LCS	Laboratory Control Sample (Blank Spike)
RL	Report Limit
MDL	Method Detection Limit

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A handwritten signature in blue ink that reads 'Veronica J. Wells'.

Veronica Wells, Project Manager

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 Durango CO, 81302

Project: Table 915-1  
 Project Name / Number: Silver King Pan Am Hayes (OWP) 5-27  
 Project Manager: Jacob Harter

**Reported:**  
 06/06/24 13:53

### Qualifier Summary

<u>LabNumber</u>	<u>Analysis</u>	<u>Analyte</u>	<u>Qualifier</u>	<u>TextBody</u>
2405279-01	Selenium [SOLID] by ICP	Selenium	B2	Target analyte detected in continuing calibration blank at or above method reporting limit. Sample concentration found to be 10 times above the concentration found in the blank or less than the reporting limit.

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Veronica Wells, Project Manager

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SAMPLE CONDITION RECEIPT FORM

Client Name: Cottonwood Consulting

Work Order # 2405-279

Courier:  Fed Ex  UPS  USPS  Client  Kangaroo  Third Party  Other

Custody Seals on Box/Cooler Present:  Yes  No      Seals Intact:  Yes  No

Thermometer Used: #2      Samples on ice, cooling process has begun:  Yes  No

Type of Ice:  Wet  Blue  None

Cooler Temp: Observed Temp: 3.9 °C      Correction Factor: 0 °C      Final Temp: 3.9 °C

\*Temp should be above freezing to 6°C

Date/Initials of person examining contents: MPN 5-23-24  
 Labeled by initials: \_\_\_\_\_  
(If different than above)

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	3.
Sampler Name and Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	4.
Samples arrived within hold time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	5.
Short Hold Time Analysis (<72hr):	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6.
Rush Turn Around Time Requested:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	9.
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	10.
Dissolved Testing Needed:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	11.
Field Filtered: <input type="checkbox"/> Yes <input type="checkbox"/> No		
Sample Labels match COC: -Includes Date/Time/ID	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12.
Matrix:	WT <u>SI</u> OT	
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
Trip Blank Custody Seals Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	

Client Notification/Resolution:

Person Contacted: \_\_\_\_\_

Date/Time: \_\_\_\_\_

Comments/Resolution: \_\_\_\_\_

\_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_