



Animas River Wetlands 4166 CR 203 Durango CO, 81301	Project: Topsoil Suite Project Name / Number: [none] Project Manager: Patti Zink	Reported: 03/26/20 16:53
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Topsoil

2003092-01 (Soil)

Analyte	Result	RL	MDL	Units	Dilution	Analyzed	Method	Notes	Analyst
General Chemistry									
Organic Matter (450C 4-hour)	2.17	1.00		%	1	03/13/20 15:15	LOI SSSA#5 P1004		VJW
% Dry Solids	98.5			%	1	03/13/20 15:15	EPA160.3/1684		VJW
pH*	7.55			pH Units	1	03/20/20 12:30	EPA150.1		FGH
Total Metals by ICP									
Copper	58.9	5.00	1.40	mg/kg dry	100	03/25/20 10:54	6010B		AES
Iron	30000	50.0	12.8	mg/kg dry	500	03/25/20 10:57	6010B		AES
Zinc	267	10.0	2.60	mg/kg dry	100	03/25/20 10:54	6010B		AES
ab-DTPA Extracted (Available)									
Nitrate/Nitrite as N	0.891	0.400	0.025	mg/kg dry	4	03/25/20 15:59	EPA353.2		LLG
Phosphorus, Total	<0.100	0.100	0.0360	mg/kg dry	2	03/24/20 14:54	EPA365.3	M5	VJW
Texture Classification 6Hr									
Textural Class	SL			%	1	03/24/20 14:20	Hydrometer, Modified Bouyoucos		VJW
Sand, Percent	52.5			%	1	03/24/20 14:20	Hydrometer, Modified Bouyoucos		VJW
Clay, Percent	11.3			%	1	03/24/20 14:20	Hydrometer, Modified Bouyoucos		VJW
Silt, Percent	36.3			%	1	03/24/20 14:20	Hydrometer, Modified Bouyoucos		VJW

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Debbie Zufelt

Debbie Zufelt, Reports Manager

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General Chemistry - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B200372 - Paste Extract										
Duplicate (B200372-DUP1)		Source: 2003092-01		Prepared: 03/12/20		Analyzed: 03/13/20				
Organic Matter (450C 4-hour)	2.13	1.00	%		2.17			1.86	20	
Batch B200373 - General Prep - Wet Chem										
Duplicate (B200373-DUP1)		Source: 2003092-01		Prepared: 03/12/20		Analyzed: 03/13/20				
% Dry Solids	98.5		%		98.5			0.00824	20	
Batch B200456 - General Prep - Wet Chem										
Duplicate (B200456-DUP1)		Source: 2003157-01		Prepared & Analyzed: 03/20/20						
pH	8.15		pH Units		8.14			0.123	20	
Reference (B200456-SRM1)		Prepared & Analyzed: 03/20/20								
pH	7.04		pH Units	7.00		101	98.5-101.4			

Total Metals by ICP - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B200460 - EPA 3050										
Blank (B200460-BLK1)		Prepared: 03/24/20 Analyzed: 03/25/20								
Copper	ND	5.00	mg/kg dry							
Iron	ND	10.0	mg/kg dry							
Zinc	ND	10.0	mg/kg dry							
LCS (B200460-BS1)		Prepared: 03/24/20 Analyzed: 03/25/20								
Copper	408	5.00	mg/kg dry	400		102	80-120			
Iron	402	10.0	mg/kg dry	400		101	80-120			
Zinc	178	10.0	mg/kg dry	200		89.0	80-120			
LCS Dup (B200460-BSD1)		Prepared: 03/24/20 Analyzed: 03/25/20								
Copper	410	5.00	mg/kg dry	400		103	80-120	0.703	20	
Iron	406	10.0	mg/kg dry	400		101	80-120	0.840	20	
Zinc	176	10.0	mg/kg dry	200		88.1	80-120	0.977	20	

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ab-DTPA Extracted (Available) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B200396 - ab-DTPA Extraction

Blank (B200396-BLK1)		Prepared: 03/13/20 Analyzed: 03/25/20								
Phosphorus, Total	ND	0.0500	mg/kg dry							
LCS (B200396-BS1)		Prepared: 03/13/20 Analyzed: 03/25/20								
Phosphorus, Total	0.497	0.0500	mg/kg dry	0.500		99.4	85-115			
LCS Dup (B200396-BSD1)		Prepared: 03/13/20 Analyzed: 03/25/20								
Phosphorus, Total	0.504	0.0500	mg/kg dry	0.500		101	85-115	1.40	20	

Batch B200467 - General Prep - Wet Chem

Blank (B200467-BLK1)		Prepared: 03/24/20 Analyzed: 03/25/20								
Nitrate/Nitrite as N	ND	0.100	mg/kg wet							
LCS (B200467-BS1)		Prepared: 03/24/20 Analyzed: 03/25/20								
Nitrate/Nitrite as N	1.04	0.100	mg/kg wet	1.00		104	80-120			
LCS Dup (B200467-BSD1)		Prepared: 03/24/20 Analyzed: 03/25/20								
Nitrate/Nitrite as N	1.04	0.100	mg/kg wet	1.00		104	80-120	0.260	20	

Texture Classification 6Hr - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch B200397 - Paste Extract

Duplicate (B200397-DUP1)		Source: 2003092-01 Prepared & Analyzed: 03/24/20								
Clay, Percent	12.5		%		11.3			10.1	20	
Sand, Percent	47.5		%		52.5			10.0	20	
Silt, Percent	40.0		%		36.3			9.70	20	

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