



Division of Environmental Testing

2115 N Scranton St Suite 3040A

Aurora, CO 80045

800-440-5184

October 31, 2024

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

Project Manager : Jake J/Brett M/Blair R/Andy V/Derek H

Project Name : ELU A18 495 Cuttings

Project Number : N/A

Attached are the analytical results for ELU A18 495 Cuttings N/A received by Elevation Diagnostics, Division of Environmental Testing on October 25, 2024. This is associated with Elevation's number AA13491 .

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

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

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

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

Thank you,

Elevation Diagnostics, Division of Environmental Testing



Division of Environmental Testing

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Aurora, CO 80045

800-440-5184

Report Date : 10/31/2024

Report Time : 11:02

FINAL RESULTS REPORT

Project Manager: Jake J/Brett M/Blair R/Andy V/Derek

Project Name: ELU A18 495 Cuttings

Project Number: N/A

Sample ID	Customer ID	Collected	Dilution	Result	Units	MDL	Method Ref.
Analyte Name		Analysis Start					Recovery
AA13491-1	20241024-A18 495-(BASE01)@0.5	Collected : 10/24/2024	09:30				
SAR - Calcium		10/29/2024	09:58	13.60	mEq/L		EPA 6020B
SAR - Magnesium		10/29/2024	09:58	4.74	mEq/L		EPA 6020B
SAR - Sodium		10/29/2024	09:58	0.50	mEq/L		EPA 6020B
SAR - Sodium Adsorption Ratio		10/29/2024	09:58	0.17	No Unit		EPA 6020B
Soil Conductivity		10/28/2024	16:59	1.59	mmhos/cm	0.0005	USDA 60
AA13491-2	20241024-A18 495-(BASE01)@0.5	Collected : 10/24/2024	09:30				
Chromium VI, Soil		10/29/2024	09:07	Not Detected	mg/kg	0.080	EPA 7199
Hot Water Soluble Boron		10/30/2024	16:27	0.59	mg/kg	0.050	Boron Hot Water Extraction
pH, Soils Temperature		10/29/2024	14:56	20.8	°C		
pH, Soils		10/29/2024	14:56	7.35	SU	0.01	EPA 9045D
Total Metals, Soils - Arsenic		10/28/2024	09:21	3.59	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Barium		10/28/2024	09:21	236.52	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Cadmium		10/28/2024	09:21	0.31	mg/kg	0.001	EPA 6020B
Total Metals, Soils - Copper		10/28/2024	09:21	12.64	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Lead		10/28/2024	09:21	12.55	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Nickel		10/28/2024	09:21	16.12	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Selenium		10/28/2024	09:21	2.62	mg/kg	0.025	EPA 6020B
Total Metals, Soils - Silver		10/28/2024	09:21	<0.250 - RL1	mg/kg	0.250	EPA 6020B
Total Metals, Soils - Zinc		10/28/2024	09:21	38.07	mg/kg	0.025	EPA 6020B
AA13491-3	20241024-A18 495-(BASE01)@0.5	Collected : 10/24/2024	09:30				
DRO & ORO, Soil - DRO		10/31/2024	08:56	Not Detected	mg/kg	100.00	EPA 8015D
DRO & ORO, Soil - ORO		10/31/2024	08:56	Not Detected	mg/kg	100.00	EPA 8015D
Gasoline Range Organics, Soil		10/30/2024	10:27	Not Detected	mg/kg	0.26827	EPA 8260
SVOC, Soils - 1-methylnaphthalene		10/29/2024	09:00	<0.010	mg/kg	0.010	EPA 8270
SVOC, Soils - 2-methylnaphthalene		10/29/2024	09:00	<0.010	mg/kg	0.010	EPA 8270
SVOC, Soils - Acenaphthene		10/29/2024	09:00	Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Anthracene		10/29/2024	09:00	Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benz(a)anthracene		10/29/2024	09:00	Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(a)pyrene		10/29/2024	09:00	Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(b)fluoranthene		10/29/2024	09:00	Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Benzo(k)fluoranthene		10/29/2024	09:00	Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Chrysene		10/29/2024	09:00	<0.010	mg/kg	0.010	EPA 8270
SVOC, Soils - Dibenz(a,h)anthracene		10/29/2024	09:00	Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Fluoranthene		10/29/2024	09:00	Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Fluorene		10/29/2024	09:00	Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Indeno(1,2,3-cd)pyrene		10/29/2024	09:00	Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Naphthalene		10/29/2024	09:00	Not Detected	mg/kg	0.010	EPA 8270
SVOC, Soils - Pyrene		10/29/2024	09:00	Not Detected	mg/kg	0.010	EPA 8270
VOC, Soils - 1,2,4-trimethylbenzene		10/29/2024	14:33	Not Detected	mg/kg	0.00245	EPA 8260
VOC, Soils - 1,3,5-trimethylbenzene		10/29/2024	14:33	Not Detected	mg/kg	0.005	EPA 8260
VOC, Soils - Benzene		10/29/2024	14:33	Not Detected	mg/kg	0.00242	EPA 8260
VOC, Soils - Ethylbenzene		10/29/2024	14:33	Not Detected	mg/kg	0.005	EPA 8260
VOC, Soils - m&p- xylene		10/29/2024	14:33	Not Detected	mg/kg	0.00427	EPA 8260



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Report Date : 10/31/2024

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FINAL RESULTS REPORT

Project Manager: Jake J/Brett M/Blair R/Andy V/Derek **Project Name:** ELU A18 495 Cuttings

Project Number: N/A

Sample ID	Customer ID	Collected	Dilution	Result	Units	MDL	Method Ref.
Analyte Name	Analysis Start	Recovery					
VOC, Soils - o-xylene		10/29/2024	14:33	Not Detected	mg/kg	0.00227	EPA 8260
VOC, Soils - Toluene		10/29/2024	14:33	Not Detected	mg/kg	0.00263	EPA 8260
VOC, Soils - Xylenes, total		10/29/2024	14:33	Not Detected	mg/kg	0.00654	EPA 8260



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Project Manager: Jake J/Brett M/Blair R/Andy V/Derek **Project Name:** ELU A18 495 Cuttings

Project Number: N/A

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
BORON-5460										
DUP	AA13492	0.30	0.050	mg/kg					9.5238	-15 - 15
MB	AA13596	0.01		mg/kg						
LCS	AA13597	1.05		mg/kg	1.00		105	80 - 120		
LCS	AA13598	9.84		mg/kg	9.00		109	80 - 120		
CHROM_VI_SOIL-5412										
DUP	AA13450	0.09	0.080	mg/kg					<%MDL%	
MB	AA13472	Not Detected		mg/kg						
LCS	AA13474	0.04		mg/kg	0.04		100			
LCS	AA13475	0.04		mg/kg	0.04		100			
ECSOIL_MMHOS-5440										
DUP	AA13491	1.56		mmhos/cm					1.9048	
LCS	AA13553	9.55		mmhos/cm	10.00		95.5			
LCS	AA13554	9.66		mmhos/cm	10.00		96.6			
GRO_SOIL-5432										
DUP	AA13450	1.67	0.26827	mg/kg					10.765	
Matrix Spike	AA13450	1.86		mg/kg	2.15		86.5			
MB	AA13530	<0.27		mg/kg						
LCS	AA13531	2.46		mg/kg	2.15		114			
LCS	AA13532	2.68		mg/kg	2.15		125			
PH_S-5449										
DUP	AA13491	7.30	0.01	S.U.					0.6825938566	-5 - 5
LCS	AA13568	6.91	0.01	S.U.	6.86		101	95 - 105		
LCS	AA13569	6.86	0.01	S.U.	6.86		100	95 - 105		



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QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
DRO ORO SOIL-5445										
AA13491										
Dup	DRO	402.18				Not Detected			12.0	
Dup	ORO	278.85				Not Detected			2.44	
Matrix Spike	DRO	453.66		mg/kg	350	Not Detected	130			
Matrix Spike	ORO	285.74		mg/kg	350	Not Detected	81.6			
AA13563										
MB	DRO	Not Detected		mg/kg						
MB	ORO	Not Detected		mg/kg						
AA13564										
LCS	DRO	427.58		mg/kg			122			
LCS	ORO	258.01		mg/kg			73.7			
AA13565										
LCS	DRO	440.19		mg/kg			126			
LCS	ORO	264.30		mg/kg			75.5			
METALS S-5423										
AA13389										
Dup	Selenium	1.72	0.025	mg/kg		1.81			5.10	0 - 15
Matrix Spike	Selenium	18.04		mg/kg	20	1.81	81.2			
AA13494										
MB	Arsenic	0.00		mg/kg						
MB	Barium	0.00		mg/kg						
MB	Cadmium	0.00		mg/kg						
MB	Copper	0.00		mg/kg						
MB	Lead	0.00		mg/kg						
MB	Nickel	0.00		mg/kg						
MB	Selenium	0.00		mg/kg						
MB	Silver	0.00		mg/kg						
MB	Zinc	0.00		mg/kg						
AA13496										
LCS	Arsenic	0.09		mg/kg			100	80 - 120		
LCS	Barium	0.10		mg/kg			100	80 - 120		
LCS	Cadmium	0.09		mg/kg			100	80 - 120		
LCS	Copper	0.09		mg/kg			100	80 - 120		
LCS	Lead	0.10		mg/kg			100	80 - 120		
LCS	Nickel	0.09		mg/kg			100	80 - 120		
LCS	Selenium	0.10		mg/kg			100	80 - 120		
LCS	Silver	0.09		mg/kg			100	80 - 120		
LCS	Zinc	0.10		mg/kg			100	80 - 120		
AA13497										
LCS	Arsenic	0.09		mg/kg			100	80 - 120		
LCS	Barium	0.10		mg/kg			100	80 - 120		
LCS	Cadmium	0.09		mg/kg			100	80 - 120		
LCS	Copper	0.09		mg/kg			100	80 - 120		
LCS	Lead	0.10		mg/kg			100	80 - 120		



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

SAR-5458

AA13491

Dup	Calcium	13.40		mEq/L	13.40	13.60				1.48
Dup	Magnesium	4.64		mEq/L	4.64	4.74				2.13
Dup	Sodium	0.50		mEq/L	0.50	0.50				<%MDL%
Dup	Sodium Adsorption Ratio	0.16		mEq/L	0.16	0.17				6.06

AA13589

MB	Calcium	0.00		mEq/L						
MB	Magnesium	0.00		mEq/L						
MB	Sodium	0.01		mEq/L						
MB	Sodium Adsorption Ratio	Not Detected								

AA13590

LCS	Calcium	8.99		ppm			89.9			
LCS	Magnesium	9.28		ppm			92.8			
LCS	Sodium	8.92		ppm			89.2			
LCS	Sodium Adsorption Ratio	0.50		ppm			92.6			

AA13591

LCS	Calcium	418.43		ppm			83.7			
LCS	Magnesium	428.11		ppm			85.6			
LCS	Sodium	430.72		ppm			86.1			
LCS	Sodium Adsorption Ratio	3.54		ppm			93.7			

SVOC SOIL-5452

AA13491

Dup	1-methylnaphthalene	0.328	0.010	mg/kg		<0.010				4.36
Dup	2-methylnaphthalene	0.354	0.010	mg/kg		<0.010				6.41
Dup	Acenaphthene	0.281	0.010	mg/kg		Not Detected				1.80
Dup	Acenaphthylene	Not Tested		mg/kg						
Dup	Anthracene	0.331	0.010	mg/kg		Not Detected				0.910
Dup	Benz(a)anthracene	0.261	0.010	mg/kg		Not Detected				1.93
Dup	Benzo(a)pyrene	0.320	0.010	mg/kg		Not Detected				0.942
Dup	Benzo(b)fluoranthene	0.304	0.010	mg/kg		Not Detected				4.37
Dup	Benzo(g,h,i)perylene	Not Tested		mg/kg						
Dup	Benzo(k)fluoranthene	0.288	0.010	mg/kg		Not Detected				5.71
Dup	Chrysene	0.257	0.010	mg/kg		<0.010				3.56
Dup	Dibenz(a,h)anthracene	0.239	0.010	mg/kg		Not Detected				4.71
Dup	Fluoranthene	0.317	0.010	mg/kg		Not Detected				2.88
Dup	Fluorene	0.346	0.010	mg/kg		Not Detected				4.43
Dup	Indeno(1,2,3-cd)pyrene	0.232	0.010	mg/kg		Not Detected				4.41
Dup	Naphthalene	0.294	0.010	mg/kg		Not Detected				1.03
Dup	Phenanthrene	Not Tested		mg/kg						
Dup	Pyrene	0.325	0.010	mg/kg		Not Detected				3.44
Matrix Spike	1-methylnaphthalene	0.314	0.010	mg/kg	0.300	<0.010	105			



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FINAL RESULTS REPORT

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QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
Matrix Spike	2-methylnaphthalene	0.332	0.010	mg/kg	0.300	<0.010	111			
Matrix Spike	Acenaphthene	0.276	0.010	mg/kg	0.300	Not Detected	92.0			
Matrix Spike	Acenaphthylene	Not Tested		mg/kg						
Matrix Spike	Anthracene	0.328	0.010	mg/kg	0.300	Not Detected	109			
Matrix Spike	Benz(a)anthracene	0.256	0.010	mg/kg	0.300	Not Detected	85.3			
Matrix Spike	Benzo(a)pyrene	0.317	0.010	mg/kg	0.300	Not Detected	106			
Matrix Spike	Benzo(b)fluoranthene	0.291	0.010	mg/kg	0.300	Not Detected	97.0			
Matrix Spike	Benzo(g,h,i)perylene	Not Tested		mg/kg						
Matrix Spike	Benzo(k)fluoranthene	0.272	0.010	mg/kg	0.300	Not Detected	90.7			
Matrix Spike	Chrysene	0.248	0.010	mg/kg	0.300	<0.010	82.7			
Matrix Spike	Dibenz(a,h)anthracene	0.228	0.010	mg/kg	0.300	Not Detected	76.0			
Matrix Spike	Fluoranthene	0.308	0.010	mg/kg	0.300	Not Detected	103			
Matrix Spike	Fluorene	0.331	0.010	mg/kg	0.300	Not Detected	110			
Matrix Spike	Indeno(1,2,3-cd)pyrene	0.222	0.010	mg/kg	0.300	Not Detected	74.0			
Matrix Spike	Naphthalene	0.291	0.010	mg/kg	0.300	Not Detected	97.0			
Matrix Spike	Phenanthrene	Not Tested		mg/kg						
Matrix Spike	Pyrene	0.314	0.010	mg/kg	0.300	Not Detected	105			

AA13577

MB	1-methylnaphthalene	Not Detected	0.010	mg/kg						
MB	2-methylnaphthalene	<0.10	0.010	mg/kg						
MB	Acenaphthene	Not Detected	0.010	mg/kg						
MB	Acenaphthylene	Not Tested		mg/kg						
MB	Anthracene	Not Detected	0.010	mg/kg						
MB	Benz(a)anthracene	Not Detected	0.010	mg/kg						
MB	Benzo(a)pyrene	Not Detected	0.010	mg/kg						
MB	Benzo(b)fluoranthene	Not Detected	0.010	mg/kg						
MB	Benzo(g,h,i)perylene	Not Tested		mg/kg						
MB	Benzo(k)fluoranthene	Not Detected	0.010	mg/kg						
MB	Chrysene	Not Detected	0.010	mg/kg						
MB	Dibenz(a,h)anthracene	Not Detected	0.010	mg/kg						
MB	Fluoranthene	Not Detected	0.010	mg/kg						
MB	Fluorene	Not Detected	0.010	mg/kg						
MB	Indeno(1,2,3-cd)pyrene	Not Detected	0.010	mg/kg						
MB	Naphthalene	Not Detected	0.010	mg/kg						
MB	Phenanthrene	Not Tested		mg/kg						
MB	Pyrene	Not Detected	0.010	mg/kg						

AA13578

LCS	1-methylnaphthalene	0.316	0.010	mg/kg			105			
LCS	2-methylnaphthalene	0.331	0.010	mg/kg			110			
LCS	Acenaphthene	0.276	0.010	mg/kg			92.0			
LCS	Acenaphthylene	Not Tested		mg/kg						
LCS	Anthracene	0.295	0.010	mg/kg			98.3			
LCS	Benz(a)anthracene	0.289	0.010	mg/kg			96.3			
LCS	Benzo(a)pyrene	0.306	0.010	mg/kg			102			
LCS	Benzo(b)fluoranthene	0.302	0.010	mg/kg			101			
LCS	Benzo(g,h,i)perylene	Not Tested		mg/kg						
LCS	Benzo(k)fluoranthene	0.288	0.010	mg/kg			96.0			



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QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
LCS	Chrysene	0.282	0.010	mg/kg			94.0			
LCS	Dibenz(a,h)anthracene	0.258	0.010	mg/kg			86.0			
LCS	Fluoranthene	0.332	0.010	mg/kg			111			
LCS	Fluorene	0.314	0.010	mg/kg			105			
LCS	Indeno(1,2,3-cd)pyrene	0.260	0.010	mg/kg			86.7			
LCS	Naphthalene	0.287	0.010	mg/kg			95.7			
LCS	Phenanthrene	Not Tested		mg/kg						
LCS	Pyrene	0.336	0.010	mg/kg			112			

AA13579

LCS	1-methylnaphthalene	0.312	0.010	mg/kg			104			
LCS	2-methylnaphthalene	0.334	0.010	mg/kg			111			
LCS	Acenaphthene	0.265	0.010	mg/kg			88.3			
LCS	Acenaphthylene	Not Tested		mg/kg						
LCS	Anthracene	0.305	0.010	mg/kg			102			
LCS	Benz(a)anthracene	0.290	0.010	mg/kg			96.7			
LCS	Benzo(a)pyrene	0.306	0.010	mg/kg			102			
LCS	Benzo(b)fluoranthene	0.299	0.010	mg/kg			99.7			
LCS	Benzo(g,h,i)perylene	Not Tested		mg/kg						
LCS	Benzo(k)fluoranthene	0.292	0.010	mg/kg			97.3			
LCS	Chrysene	0.291	0.010	mg/kg			97.0			
LCS	Dibenz(a,h)anthracene	0.260	0.010	mg/kg			86.7			
LCS	Fluoranthene	0.329	0.010	mg/kg			110			
LCS	Fluorene	0.321	0.010	mg/kg			107			
LCS	Indeno(1,2,3-cd)pyrene	0.259	0.010	mg/kg			86.3			
LCS	Naphthalene	0.289	0.010	mg/kg			96.3			
LCS	Phenanthrene	Not Tested		mg/kg						
LCS	Pyrene	0.333	0.010	mg/kg			111			

VOC S-5427

AA13450

Dup	1,2,4-trimethylbenzene	0.025		mg/kg		Not Detected			11.3	
Dup	1,3,5-trimethylbenzene	0.021		mg/kg		Not Detected			13.3	
Dup	Benzene	0.036		mg/kg		Not Detected			15.4	
Dup	Ethylbenzene	0.030		mg/kg		Not Detected			12.5	
Dup	m&p- xylene	0.057		mg/kg		Not Detected			11.6	
Dup	o-xylene	0.030		mg/kg		Not Detected			9.52	
Dup	Toluene	0.033		mg/kg		Not Detected			11.4	
Dup	Xylenes, total	0.087		mg/kg		Not Detected			10.9	
Matrix Spike	1,2,4-trimethylbenzene	0.028		mg/kg	0.050	Not Detected	56.0			
Matrix Spike	1,3,5-trimethylbenzene	0.024		mg/kg	0.050	Not Detected	48.0			
Matrix Spike	Benzene	0.042		mg/kg	0.050	Not Detected	84.0			
Matrix Spike	Ethylbenzene	0.034		mg/kg	0.050	Not Detected	68.0			
Matrix Spike	m&p- xylene	0.064		mg/kg	0.100	Not Detected	64.0			
Matrix Spike	o-xylene	0.033		mg/kg	0.050	Not Detected	66.0			
Matrix Spike	Toluene	0.037		mg/kg	0.050	Not Detected	74.0			
Matrix Spike	Xylenes, total	0.097		mg/kg	0.150	Not Detected	64.7			

AA13524



Division of Environmental Testing

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Aurora, CO 80045

800-440-5184

Report Date : 10/31/2024

Report Time : 11:02

FINAL RESULTS REPORT

Project Manager: Jake J/Brett M/Blair R/Andy V/Derek **Project Name:** ELU A18 495 Cuttings

Project Number: N/A

QC Report

QC	Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%Rec	% REC Limits	RPD	RPD Limit
MB	1,2,4-trimethylbenzene	<0.0025		mg/kg						
MB	1,3,5-trimethylbenzene	<0.0050		mg/kg						
MB	Benzene	<0.0024		mg/kg						
MB	Ethylbenzene	<0.0050		mg/kg						
MB	m&p- xylene	<0.0043		mg/kg						
MB	o-xylene	<0.0023		mg/kg						
MB	Toluene	<0.0026		mg/kg						
MB	Xylenes, total	<0.0065		mg/kg						

AA13525

LCS	1,2,4-trimethylbenzene	0.059		mg/kg				118		
LCS	1,3,5-trimethylbenzene	0.046		mg/kg				92.0		
LCS	Benzene	0.050		mg/kg				100		
LCS	Ethylbenzene	0.050		mg/kg				100		
LCS	m&p- xylene	0.096		mg/kg				96.0		
LCS	o-xylene	0.055		mg/kg				110		
LCS	Toluene	0.047		mg/kg				94.0		
LCS	Xylenes, total	0.151		mg/kg				101		

AA13526

LCS	1,2,4-trimethylbenzene	0.061		mg/kg				122		
LCS	1,3,5-trimethylbenzene	0.046		mg/kg				92.0		
LCS	Benzene	0.045		mg/kg				90.0		
LCS	Ethylbenzene	0.049		mg/kg				98.0		
LCS	m&p- xylene	0.095		mg/kg				95.0		
LCS	o-xylene	0.054		mg/kg				108		
LCS	Toluene	0.046		mg/kg				92.0		
LCS	Xylenes, total	0.149		mg/kg				99.3		



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Project Manager: Jake J/Brett M/Blair R/Andy V/Derek **Project Name:** ELU A18 495 Cuttings

Project Number: N/A

Sample ID	Customer ID	Collected	Dilution	Result	Units	MDL	Method Ref.
Analyte Name		Analysis Start					Recovery

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