



**DATA VALIDATION CHECKLIST – STAGE 2A
EPA REGION 8 START CONTRACT**

Site Name	Telluride Valley Floor Removal Action	TO/TOLIN No.	71-2107-06
Document Tracking No.	NA	Technical Reviewer (signature and date)	 August 17, 2021
Data Reviewer (signature and date)	 8/16/2021	Laboratory	Eurofins TestAmerica/Phoenix, AZ
Laboratory Report No.	550-168706-1		
Analyses	Arsenic and lead by NIOSH 7303		
Samples and Matrix	Seven air samples, including one field duplicate sample and one field blank		
Field Duplicate Pairs	VF001080621/VF001080621D		
Field Blanks	VF001080621FB		

INTRODUCTION

This checklist summarizes the Stage 2A validation performed on the subject laboratory report, in accordance with the U.S. Environmental Protection Agency (EPA) *Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use* (January 2009). Analytical data were evaluated in general accordance with *START V Programmatic Quality Assurance Project Plan* (October 2020) and the EPA *National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review* (January 2017).

OVERALL EVALUATION

No rejection or qualification of data was required for this work order. The data can be used as reported by the laboratory.

Data completeness:

Within Criteria	Exceedance/Notes
Y	

Sample preservation, receipt, and holding times:

Within Criteria	Exceedance/Notes
Y	A revised COC was submitted to correct typos in sample volumes. The laboratory report used corrected volumes to calculate sample results.

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Method blanks:

Within Criteria	Exceedance/Notes
Y	

Field blanks:

Within Criteria	Exceedance/Notes
Y	

System monitoring compounds (surrogates and labeled compounds):

Within Criteria	Exceedance/Notes
NA	

MS/MSD:

Within Criteria	Exceedance/Notes
NA	

Laboratory duplicates:

Within Criteria	Exceedance/Notes
NA	

Field duplicates:

Within Criteria	Exceedance/Notes
Y	

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LCSs/LCSDs:

Within Criteria	Exceedance/Notes
Y	

Sample dilutions:

Within Criteria	Exceedance/Notes
NA	

Re-extraction and reanalysis:

Within Criteria	Exceedance/Notes
NA	

MDLs/RLs:

Within Criteria	Exceedance/Notes
Y	

Tentatively identified compounds:

Within Criteria	Exceedance/Notes
NA	

Other [specify]:

Within Criteria	Exceedance/Notes
NA	

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Overall Qualifications:

See results summary pages attached for changes to the laboratory qualifiers based upon this validation. The following is a list of qualifiers and definitions that may be used for the validation of this data package:

J	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample.
J+	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased high.
J-	The analyte was positively identified; the associated value is the approximate concentration of the analyte in the sample and may be biased low.
NJ	The analysis indicates the presence of an analyte that has been “tentatively identified” and the associated value is the approximate concentration of the analyte in the sample.
R	The sample result is rejected as unusable due to serious deficiencies in one or more quality control criteria. The analyte may or may not be present in the sample.
U	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit).
UJ	The analyte was analyzed for, but was not detected at or above the associated value (reporting limit), which is considered approximate due to deficiencies in one or more quality control criteria.

TELLURIDE VALLEY FLOOR REMOVAL ACTION AIR ANALYTICAL RESULTS SUMMARY
EUROFINS TESTAMERICA REPORT NO. 550-168706-1

Samp_No	Analysis	Analyte	Lab Result	Lab Qual	RL	Units	VAL_Result	VAL_Qual
VF001080521	NIOSH 7303	Arsenic	0.04	U		0.04 ug/m3	0.04	U
VF001080521	NIOSH 7303	Lead	0.02	U		0.02 ug/m3	0.02	U
VF001080521	NIOSH 7303	Arsenic	0.5	U		0.5 ug/Sample	0.5	U
VF001080521	NIOSH 7303	Lead	0.25	U		0.25 ug/Sample	0.25	U
VF001080621	NIOSH 7303	Arsenic	0.0432	U		0.0432 ug/m3	0.0432	U
VF001080621	NIOSH 7303	Lead	0.0216	U		0.0216 ug/m3	0.0216	U
VF001080621	NIOSH 7303	Arsenic	0.5	U		0.5 ug/Sample	0.5	U
VF001080621	NIOSH 7303	Lead	0.25	U		0.25 ug/Sample	0.25	U
VF001080621D	NIOSH 7303	Arsenic	0.0432	U		0.0432 ug/m3	0.0432	U
VF001080621D	NIOSH 7303	Lead	0.0216	U		0.0216 ug/m3	0.0216	U
VF001080621D	NIOSH 7303	Arsenic	0.5	U		0.5 ug/Sample	0.5	U
VF001080621D	NIOSH 7303	Lead	0.25	U		0.25 ug/Sample	0.25	U
VF001080621FB	NIOSH 7303	Arsenic	0.5	U		0.5 ug/Sample	0.5	U
VF001080621FB	NIOSH 7303	Lead	0.25	U		0.25 ug/Sample	0.25	U
VF002080521	NIOSH 7303	Arsenic	0.039	U		0.039 ug/m3	0.039	U
VF002080521	NIOSH 7303	Lead	0.0195	U		0.0195 ug/m3	0.0195	U
VF002080521	NIOSH 7303	Arsenic	0.5	U		0.5 ug/Sample	0.5	U
VF002080521	NIOSH 7303	Lead	0.25	U		0.25 ug/Sample	0.25	U
VF002080621	NIOSH 7303	Arsenic	0.0378	U		0.0378 ug/m3	0.0378	U
VF002080621	NIOSH 7303	Lead	0.0189	U		0.0189 ug/m3	0.0189	U
VF002080621	NIOSH 7303	Arsenic	0.5	U		0.5 ug/Sample	0.5	U
VF002080621	NIOSH 7303	Lead	0.25	U		0.25 ug/Sample	0.25	U
VF003080621	NIOSH 7303	Arsenic	0.0385	U		0.0385 ug/m3	0.0385	U
VF003080621	NIOSH 7303	Lead	0.0997			0.0193 ug/m3	0.0997	
VF003080621	NIOSH 7303	Arsenic	0.5	U		0.5 ug/Sample	0.5	U
VF003080621	NIOSH 7303	Lead	1.29			0.25 ug/Sample	1.29	