

Table 1
 Draft Soil Sample Analytical Summary
 Parcel SS-86
 Summit County, Utah
 Priviledged and Confidential

Lab Sample ID	L1339512-01		L1339512-15		L1339512-02		L1339512-03		L1339512-04		L1339512-05		L1339512-06		L1339512-16		USEPA Residential RSL for Soil ¹	
Client Sample ID	SS-01		SS-01 (Duplicate)		SS-02		SS-03		SS-04		SS-05		SS-06		SS-06 (Duplicate) ^b			
Date Collected	04/13/2021		04/13/2021		04/13/2021		04/13/2021		04/13/2021		04/13/2021		04/13/2021		04/13/2021			
Analyte	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	
ALUMINUM	mg/kg	18700		20600		23500		24100		17900		23700		26300	O1 V	27200		77000
ANTIMONY	mg/kg	<2.41		0.941	J	2.06	J	<2.52		0.956	J	3.07		<2.43	J6	<2.46		31
ARSENIC	mg/kg	7.87		7.85		13.1		5.78		7.78		14.0		8.38		8.02		0.68
BARIUM	mg/kg	188		195		257		256		289		234		311		293		15000
CADMIIUM	mg/kg	0.612		0.588	J	2.17		0.312	J	0.930		3.05		0.910		0.876		71
CHROMIUM	mg/kg	31.9		32.8		22.3		20.9		16.9		24.5		30.6		31.0		NS
COPPER	mg/kg	22.6		24.5		43.6		25.5		31.9		40.0		37.3		36.4		3100
LEAD	mg/kg	80.0		76.2		237		40.9		90.6		301		184	J5	161		400
NICKEL	mg/kg	13.3		13.9		14.7		15.4		14.9		18.0		20.8		21		1500
SELENIUM	mg/kg	1.24	J	<2.42		<2.83		<2.52		1.41	J	<2.35		<2.43		<2.46		390
SILVER	mg/kg	0.273	J	0.302	J	0.933	J	<1.26		0.406	J	1.60		0.421	J	0.398	J	390
ZINC	mg/kg	132		140		330		80.3		126		475		168		170		23000
MERCURY	mg/kg	0.0488		0.057		0.142		0.0494	J	0.085		0.255		0.0695		0.0727		11

Lab Sample ID	L1339512-07		L1339512-08		L1339512-09		L1339512-10		L1339512-11		L1339512-12		L1339512-13		L1339512-14		USEPA Residential RSL for Soil ¹	
Client Sample ID	SS-07		SS-08		SS-09		SS-10		SS-11		SS-12		SS-13		SS-14			
Date Collected	04/13/2021		04/13/2021		04/13/2021		04/13/2021		04/13/2021		04/13/2021		04/13/2021		04/13/2021			
Analyte	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	
ALUMINUM	mg/kg	21700		24300		21100		23100		24400		30000		27400		21600		77000
ANTIMONY	mg/kg	1.26	J	<3.06		<2.26		0.676	J	<2.64		<2.44		<2.36		0.891	J	31
ARSENIC	mg/kg	9.32		9.74		5.50		8.87		9.25		6.05		5.91		9.71		0.68
BARIUM	mg/kg	296		357		213		248		290		268		271		285		15000
CADMIIUM	mg/kg	1.42		1.55		0.488	J	0.844		1.35		0.307	J	0.345	J	1.71		71
CHROMIUM	mg/kg	20.4		18.8		20.0		17.5		19.5		21.6		21.0		18.2		NS
COPPER	mg/kg	42.0		40.2		29.4		37.3		44.7		26.4		33.3		50.9		3100
LEAD	mg/kg	153		139		42.6		98.7		125		24.4		28.1		211		400
NICKEL	mg/kg	15.4		14.8		19.0		17.7		17		19.8		20.6		18.6		1500
SELENIUM	mg/kg	<3.00		<3.06		<2.26		0.96	J	<2.64		1.05	J	<2.36		<2.11		390
SILVER	mg/kg	0.725	J	0.676	J	<1.13		0.664	J	0.442	J	<1.22		<1.18		1.50		390
ZINC	mg/kg	208		193		96.2		133		193		74.1		76.8		221		23000
MERCURY	mg/kg	0.122		0.11		0.166		0.0966		0.092		<0.0488		0.0283	J	0.146		11

Notes:

¹USEPA RSL for residential soil dated, November 2020

^aDuplicate collected from location SS-01. Sample labeled SS-44

^bDuplicate collected from location SS-06. Sample labeled SS-66

Concentrations in red exceed RSL

NS = No Standard

RSL = Regional Screening Level

Qualifiers:

J :The identification of the analyte is acceptable; the reported value is an estimate.

O1 :The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.

V :The sample concentration is too high to evaluate accurate spike recoveries.

J6 :The sample matrix interfered with the ability to make any accurate determination; spike value is low.

J5 :The sample matrix interfered with the ability to make any accurate determination; spike value is high.

Table 2

Draft Surface Water Analytical Summary

Parcel SS-86

Summit County, Utah

Privileged and Confidential

Lab Sample ID		L1339512-17		L1339512-19		L1339512-18		Utah Numeric Surface Water Criteria ¹	Utah Human Health Surface Water Consumption Criteria ²
Client Sample ID		SW-01		SW-01 (Duplicate) ^a		SW-02			
Date Collected		04/13/2021		04/13/2021		04/13/2021			
Analyte	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier		
ALUMINUM	mg/l	0.0593	J	0.0562	J	0.0690	J	NS	NS
ANTIMONY	mg/l	<0.0100		<0.0100		0.00762	J	NS	0.0056
ARSENIC	mg/l	<0.0100		<0.0100		0.0178		0.01	0.01
BARIUM	mg/l	0.101		0.109		0.124	O1	1.0	NS
CADMIUM	mg/l	<0.00200		<0.00200		<0.00200		0.01	NS
CHROMIUM	mg/l	<0.0100		<0.0100		<0.0100		0.05	NS
COPPER	mg/l	0.00395	J	0.00790	J	<0.0100		NS	1.3
LEAD	mg/l	<0.00600		<0.00600		<0.00600		0.015	NS
NICKEL	mg/l	<0.0100		0.00186	J	<0.0100		NS	0.61
SELENIUM	mg/l	<0.0100		<0.0100		<0.0100		0.05	0.17
SILVER	mg/l	<0.00500		<0.00500		<0.00500		0.05	NS
ZINC	mg/l	<0.0500		<0.0500		0.0188	J	NS	7.4
MERCURY	mg/l	<0.000200		<0.000200		<0.000200		0.002	0.002

Notes:

¹Numeric Surface Water Criteria for Domestic, Recreation and Agricultural Uses, R317-2-14, Table 2.14.1. Criteria based on Class 1C water²Numeric Human Health Criteria for Consumption, R317-2-14, Table 2.14.6. Criteria based on Class 1C water.^aDuplicate sample collected from location SW-01. Sample labeled SW-11

All concentrations are dissolved metals

Concentrations in red exceed relevant water quality criteria

NS = No Standard

Qualifiers:

J :The identification of the analyte is acceptable; the reported value is an estimate.

O1 :The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.

Table 3

Draft Groundwater Analytical Summary

Parcel SS-86

Summit County, Utah

Privileged and Confidential

Lab Sample ID		L1339512-20		L1339512-21		L1339512-22		Utah Groundwater Quality Standard ¹	USEPA RSL for Tapwater ²
Client Sample ID		SB-01		SB-02		SB-02 (Duplicate) ^a			
Date Collected		04/13/2021		04/13/2021		04/13/2021			
Analyte	Units	Result	Qualifier	Result	Qualifier	Result	Qualifier		
ALUMINUM	mg/l	<0.200		<0.200		<0.200		NS	20
ANTIMONY	mg/l	<0.0100		<0.0100		<0.0100		0.006	-
ARSENIC	mg/l	<0.0100		0.00583	B J	0.00742	B J	0.05	-
BARIUM	mg/l	0.127		0.144		0.151		2.0	-
CADMIUM	mg/l	<0.00200		<0.00200		<0.00200		0.005	-
CHROMIUM	mg/l	0.00195	J	<0.0100		<0.0100		0.1	-
COPPER	mg/l	<0.0100		<0.0100		<0.0100		1.3	-
LEAD	mg/l	<0.00600		<0.00600		<0.00600		0.015	-
NICKEL	mg/l	0.00261	J	<0.0100		<0.0100		NS	NS
SELENIUM	mg/l	<0.0100		0.0121		<0.0100		0.05	-
SILVER	mg/l	<0.00500		<0.00500		<0.00500		0.1	-
ZINC	mg/l	<0.0500		<0.0500		<0.0500		5.0	-
MERCURY	mg/l	<0.000200		<0.000200		<0.000200		0.002	-

Notes:

¹Utah Groundwater Quality Standard, R317-6-2, Table 1²USEPA RSL for tapwater ingestion. For metals that do not have established Utah Groundwater Quality Standard, USEPA RSL for tapwater applied.^aDuplicate sample collected from location SB-02. Sample labeled SB-12

All concentrations are dissolved metals

NS = No Standard

RSL = Regional Screening Level

Qualifiers:

J :The identification of the analyte is acceptable; the reported value is an estimate.

O1 :The analyte failed the method required serial dilution test and/or subsequent post-spike criteria. These failures indicate matrix interference.

B :The same analyte is found in the associated blank.