

Hit Summary Sheet SW-846

SDG No.: Q1872 **Order ID:** Q1872
Client: Alliance Technical Group, LLC - Newark **Project ID:** NJ Soil PT

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	HW0425-PT-MET-SOIL							
Q1872-10	HW0425-PT-MET-SOIL	SOIL	Aluminum	12000		0.73	4.35	mg/Kg
Q1872-10	HW0425-PT-MET-SOIL	SOIL	Antimony	74.9		0.19	2.17	mg/Kg
Q1872-10	HW0425-PT-MET-SOIL	SOIL	Arsenic	153		0.17	0.87	mg/Kg
Q1872-10	HW0425-PT-MET-SOIL	SOIL	Barium	618		0.64	4.35	mg/Kg
Q1872-10	HW0425-PT-MET-SOIL	SOIL	Beryllium	120		0.022	0.26	mg/Kg
Q1872-10	HW0425-PT-MET-SOIL	SOIL	Boron	63.2		0.70	4.35	mg/Kg
Q1872-10	HW0425-PT-MET-SOIL	SOIL	Cadmium	263	D	0.10	1.30	mg/Kg
Q1872-10	HW0425-PT-MET-SOIL	SOIL	Calcium	14700		9.65	87.0	mg/Kg
Q1872-10	HW0425-PT-MET-SOIL	SOIL	Chromium	178		0.041	0.44	mg/Kg
Q1872-10	HW0425-PT-MET-SOIL	SOIL	Cobalt	82.9		0.087	1.30	mg/Kg
Q1872-10	HW0425-PT-MET-SOIL	SOIL	Copper	257		0.19	0.87	mg/Kg
Q1872-10	HW0425-PT-MET-SOIL	SOIL	Iron	10400		3.47	4.35	mg/Kg
Q1872-10	HW0425-PT-MET-SOIL	SOIL	Lead	113		0.11	0.52	mg/Kg
Q1872-10	HW0425-PT-MET-SOIL	SOIL	Magnesium	15400		10.4	87.0	mg/Kg
Q1872-10	HW0425-PT-MET-SOIL	SOIL	Manganese	929		0.12	0.87	mg/Kg
Q1872-10	HW0425-PT-MET-SOIL	SOIL	Mercury	22.3	D	0.38	0.67	mg/Kg
Q1872-10	HW0425-PT-MET-SOIL	SOIL	Molybdenum	26.3		0.70	8.70	mg/Kg
Q1872-10	HW0425-PT-MET-SOIL	SOIL	Nickel	230		0.11	1.74	mg/Kg
Q1872-10	HW0425-PT-MET-SOIL	SOIL	Potassium	10200		24.1	87.0	mg/Kg
Q1872-10	HW0425-PT-MET-SOIL	SOIL	Selenium	127		0.23	0.87	mg/Kg
Q1872-10	HW0425-PT-MET-SOIL	SOIL	Silver	22.6		0.10	0.44	mg/Kg
Q1872-10	HW0425-PT-MET-SOIL	SOIL	Sodium	2030		15.5	87.0	mg/Kg
Q1872-10	HW0425-PT-MET-SOIL	SOIL	Strontium	222		0.22	8.70	mg/Kg
Q1872-10	HW0425-PT-MET-SOIL	SOIL	Lithium	335		0.033	0.87	mg/Kg
Q1872-10	HW0425-PT-MET-SOIL	SOIL	Thallium	242		0.20	1.74	mg/Kg
Q1872-10	HW0425-PT-MET-SOIL	SOIL	Tin	100		0.23	1.74	mg/Kg
Q1872-10	HW0425-PT-MET-SOIL	SOIL	Titanium	370		0.27	1.74	mg/Kg
Q1872-10	HW0425-PT-MET-SOIL	SOIL	Vanadium	91.3		0.22	1.74	mg/Kg
Q1872-10	HW0425-PT-MET-SOIL	SOIL	Zinc	344		0.20	1.74	mg/Kg



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	Alliance Technical Group, LLC - Newark	Date Collected:	04/21/25
Project:	NJ Soil PT	Date Received:	04/24/25
Client Sample ID:	HW0425-PT-MET-SOIL	SDG No.:	Q1872
Lab Sample ID:	Q1872-10	Matrix:	SOIL
Level (low/med):	low	% Solid:	100

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	12000		1	0.73	4.35	mg/Kg	04/25/25 10:00	05/30/25 18:37	6010D	SW3050
7440-36-0	Antimony	74.9		1	0.19	2.17	mg/Kg	04/25/25 10:00	05/30/25 18:37	6010D	SW3050
7440-38-2	Arsenic	153		1	0.17	0.87	mg/Kg	04/25/25 10:00	05/30/25 18:37	6010D	SW3050
7440-39-3	Barium	618		1	0.64	4.35	mg/Kg	04/25/25 10:00	05/30/25 18:37	6010D	SW3050
7440-41-7	Beryllium	120		1	0.022	0.26	mg/Kg	04/25/25 10:00	05/30/25 18:37	6010D	SW3050
7440-42-8	Boron	63.2		1	0.70	4.35	mg/Kg	04/25/25 10:00	05/30/25 18:37	6010D	SW3050
7440-43-9	Cadmium	263	D	5	0.10	1.30	mg/Kg	04/25/25 10:00	05/30/25 18:46	6010D	SW3050
7440-70-2	Calcium	14700		1	9.65	87.0	mg/Kg	04/25/25 10:00	05/30/25 18:37	6010D	SW3050
7440-47-3	Chromium	178		1	0.041	0.44	mg/Kg	04/25/25 10:00	05/30/25 18:37	6010D	SW3050
7440-48-4	Cobalt	82.9		1	0.087	1.30	mg/Kg	04/25/25 10:00	05/30/25 18:37	6010D	SW3050
7440-50-8	Copper	257		1	0.19	0.87	mg/Kg	04/25/25 10:00	05/30/25 18:37	6010D	SW3050
7439-89-6	Iron	10400		1	3.47	4.35	mg/Kg	04/25/25 10:00	05/30/25 18:37	6010D	SW3050
7439-92-1	Lead	113		1	0.11	0.52	mg/Kg	04/25/25 10:00	05/30/25 18:37	6010D	SW3050
7439-93-2	Lithium	335		1	0.033	0.87	mg/Kg	04/25/25 10:00	05/30/25 18:37	6010D	SW3050
7439-95-4	Magnesium	15400		1	10.4	87.0	mg/Kg	04/25/25 10:00	05/30/25 18:37	6010D	SW3050
7439-96-5	Manganese	929		1	0.12	0.87	mg/Kg	04/25/25 10:00	05/30/25 18:37	6010D	SW3050
7439-97-6	Mercury	22.3	D	50	0.38	0.67	mg/Kg	05/28/25 16:40	05/29/25 13:08	7471B	
7439-98-7	Molybdenum	26.3		1	0.70	8.70	mg/Kg	04/25/25 10:00	05/30/25 18:37	6010D	SW3050
7440-02-0	Nickel	230		1	0.11	1.74	mg/Kg	04/25/25 10:00	05/30/25 18:37	6010D	SW3050
7440-09-7	Potassium	10200		1	24.1	87.0	mg/Kg	04/25/25 10:00	05/30/25 18:37	6010D	SW3050
7782-49-2	Selenium	127		1	0.23	0.87	mg/Kg	04/25/25 10:00	05/30/25 18:37	6010D	SW3050
7440-22-4	Silver	22.6		1	0.10	0.44	mg/Kg	04/25/25 10:00	05/30/25 18:37	6010D	SW3050
7440-23-5	Sodium	2030		1	15.5	87.0	mg/Kg	04/25/25 10:00	05/30/25 18:37	6010D	SW3050
7440-24-6	Strontium	222		1	0.22	8.70	mg/Kg	04/25/25 10:00	05/30/25 18:37	6010D	SW3050
7440-28-0	Thallium	242		1	0.20	1.74	mg/Kg	04/25/25 10:00	05/30/25 18:37	6010D	SW3050
7440-31-5	Tin	100		1	0.23	1.74	mg/Kg	04/25/25 10:00	05/30/25 18:37	6010D	SW3050
7440-32-6	Titanium	370		1	0.27	1.74	mg/Kg	04/25/25 10:00	05/30/25 18:37	6010D	SW3050
7440-62-2	Vanadium	91.3		1	0.22	1.74	mg/Kg	04/25/25 10:00	05/30/25 18:37	6010D	SW3050
7440-66-6	Zinc	344		1	0.20	1.74	mg/Kg	04/25/25 10:00	05/30/25 18:37	6010D	SW3050

Color Before:	Light brown	Clarity Before:	Texture:	Fine
Color After:	Medium Yellow	Clarity After:	Artifacts:	No
Comments:	Mercury			

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

D = Dilution

Q = indicates LCS control criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

* = indicates the duplicate analysis is not within control limits.

E = Indicates the reported value is estimated because of the presence of interference.

OR = Over Range

N =Spiked sample recovery not within control limits

LAB CHRONICLE

OrderID:	Q1872	OrderDate:	4/24/2025 1:26:50 PM
Client:	Alliance Technical Group, LLC - Newark	Project:	NJ Soil PT
Contact:	Mohammad Ahmed	Location:	QA Office,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1872-10	HW0425-PT-MET-SOIL	SOIL			04/21/25			04/24/25
	L		Mercury	7471B		05/28/25	05/29/25	
			Metals ICP-Group1	6010D		04/25/25	05/30/25	