

Hit Summary Sheet
SW-846

SDG No.: P4822 **Order ID:** P4822
Client: BAPS North Bergen **Project ID:** BAPS North Bergen

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : SOIL-1								
P4822-02	SOIL-1	SOIL	Aluminum	6920		2.25	4.66	mg/Kg
P4822-02	SOIL-1	SOIL	Arsenic	6.16		0.27	0.93	mg/Kg
P4822-02	SOIL-1	SOIL	Barium	42.0		0.60	4.66	mg/Kg
P4822-02	SOIL-1	SOIL	Beryllium	0.64		0.011	0.28	mg/Kg
P4822-02	SOIL-1	SOIL	Cadmium	1.72		0.015	0.28	mg/Kg
P4822-02	SOIL-1	SOIL	Calcium	2800		2.61	93.3	mg/Kg
P4822-02	SOIL-1	SOIL	Chromium	16.6		0.050	0.47	mg/Kg
P4822-02	SOIL-1	SOIL	Cobalt	8.64		0.054	1.40	mg/Kg
P4822-02	SOIL-1	SOIL	Copper	26.0		0.44	0.93	mg/Kg
P4822-02	SOIL-1	SOIL	Iron	11700		2.51	4.66	mg/Kg
P4822-02	SOIL-1	SOIL	Lead	73.4		0.14	0.56	mg/Kg
P4822-02	SOIL-1	SOIL	Magnesium	4900		3.20	93.3	mg/Kg
P4822-02	SOIL-1	SOIL	Manganese	305		0.066	0.93	mg/Kg
P4822-02	SOIL-1	SOIL	Mercury	0.047		0.0060	0.014	mg/Kg
P4822-02	SOIL-1	SOIL	Nickel	13.9		0.084	1.87	mg/Kg
P4822-02	SOIL-1	SOIL	Potassium	2500		26.8	93.3	mg/Kg
P4822-02	SOIL-1	SOIL	Silver	0.42	J	0.049	0.47	mg/Kg
P4822-02	SOIL-1	SOIL	Sodium	140		33.7	93.3	mg/Kg
P4822-02	SOIL-1	SOIL	Vanadium	29.4		0.25	1.87	mg/Kg
P4822-02	SOIL-1	SOIL	Zinc	128		0.10	1.87	mg/Kg
Client ID : SOIL-2								
P4822-04	SOIL-2	SOIL	Aluminum	7990		2.21	4.59	mg/Kg
P4822-04	SOIL-2	SOIL	Arsenic	6.84		0.27	0.92	mg/Kg
P4822-04	SOIL-2	SOIL	Barium	45.4		0.59	4.59	mg/Kg
P4822-04	SOIL-2	SOIL	Beryllium	0.76		0.011	0.28	mg/Kg
P4822-04	SOIL-2	SOIL	Cadmium	2.23		0.015	0.28	mg/Kg
P4822-04	SOIL-2	SOIL	Calcium	4650		2.57	91.8	mg/Kg
P4822-04	SOIL-2	SOIL	Chromium	17.0		0.050	0.46	mg/Kg
P4822-04	SOIL-2	SOIL	Cobalt	10.2		0.053	1.38	mg/Kg
P4822-04	SOIL-2	SOIL	Copper	32.4		0.43	0.92	mg/Kg
P4822-04	SOIL-2	SOIL	Iron	12200		2.47	4.59	mg/Kg
P4822-04	SOIL-2	SOIL	Lead	97.0		0.14	0.55	mg/Kg
P4822-04	SOIL-2	SOIL	Magnesium	6480		3.15	91.8	mg/Kg
P4822-04	SOIL-2	SOIL	Manganese	360		0.065	0.92	mg/Kg
P4822-04	SOIL-2	SOIL	Mercury	0.059		0.0060	0.014	mg/Kg
P4822-04	SOIL-2	SOIL	Nickel	18.2		0.083	1.84	mg/Kg
P4822-04	SOIL-2	SOIL	Potassium	2430		26.3	91.8	mg/Kg

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Client: BAPS North Bergen

Project ID: BAPS North Bergen

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4822-04	SOIL-2	SOIL	Silver	0.44	J	0.048	0.46	mg/Kg
P4822-04	SOIL-2	SOIL	Sodium	133		33.1	91.8	mg/Kg
P4822-04	SOIL-2	SOIL	Vanadium	32.9		0.25	1.84	mg/Kg
P4822-04	SOIL-2	SOIL	Zinc	176		0.10	1.84	mg/Kg
Client ID : SOIL-3								
P4822-06	SOIL-3	SOIL	Aluminum	7270		2.18	4.52	mg/Kg
P4822-06	SOIL-3	SOIL	Antimony	0.32	J	0.14	2.26	mg/Kg
P4822-06	SOIL-3	SOIL	Arsenic	6.44		0.26	0.90	mg/Kg
P4822-06	SOIL-3	SOIL	Barium	41.5		0.58	4.52	mg/Kg
P4822-06	SOIL-3	SOIL	Beryllium	0.68		0.011	0.27	mg/Kg
P4822-06	SOIL-3	SOIL	Cadmium	1.94		0.014	0.27	mg/Kg
P4822-06	SOIL-3	SOIL	Calcium	3130		2.53	90.4	mg/Kg
P4822-06	SOIL-3	SOIL	Chromium	17.3		0.049	0.45	mg/Kg
P4822-06	SOIL-3	SOIL	Cobalt	8.82		0.052	1.36	mg/Kg
P4822-06	SOIL-3	SOIL	Copper	30.3		0.43	0.90	mg/Kg
P4822-06	SOIL-3	SOIL	Iron	11300		2.43	4.52	mg/Kg
P4822-06	SOIL-3	SOIL	Lead	85.8		0.14	0.54	mg/Kg
P4822-06	SOIL-3	SOIL	Magnesium	4950		3.10	90.4	mg/Kg
P4822-06	SOIL-3	SOIL	Manganese	329		0.064	0.90	mg/Kg
P4822-06	SOIL-3	SOIL	Mercury	0.073		0.0070	0.015	mg/Kg
P4822-06	SOIL-3	SOIL	Nickel	15.9		0.081	1.81	mg/Kg
P4822-06	SOIL-3	SOIL	Potassium	2150		26.0	90.4	mg/Kg
P4822-06	SOIL-3	SOIL	Silver	0.38	J	0.047	0.45	mg/Kg
P4822-06	SOIL-3	SOIL	Sodium	118		32.6	90.4	mg/Kg
P4822-06	SOIL-3	SOIL	Vanadium	31.1		0.24	1.81	mg/Kg
P4822-06	SOIL-3	SOIL	Zinc	145		0.099	1.81	mg/Kg
Client ID : SOIL-4								
P4822-08	SOIL-4	SOIL	Aluminum	7540		2.19	4.54	mg/Kg
P4822-08	SOIL-4	SOIL	Antimony	0.29	J	0.14	2.27	mg/Kg
P4822-08	SOIL-4	SOIL	Arsenic	6.59		0.26	0.91	mg/Kg
P4822-08	SOIL-4	SOIL	Barium	46.6		0.58	4.54	mg/Kg
P4822-08	SOIL-4	SOIL	Beryllium	0.69		0.011	0.27	mg/Kg
P4822-08	SOIL-4	SOIL	Cadmium	2.02		0.015	0.27	mg/Kg
P4822-08	SOIL-4	SOIL	Calcium	4240		2.54	90.8	mg/Kg
P4822-08	SOIL-4	SOIL	Chromium	17.2		0.049	0.45	mg/Kg
P4822-08	SOIL-4	SOIL	Cobalt	9.43		0.053	1.36	mg/Kg
P4822-08	SOIL-4	SOIL	Copper	32.5		0.43	0.91	mg/Kg
P4822-08	SOIL-4	SOIL	Iron	11900		2.44	4.54	mg/Kg
P4822-08	SOIL-4	SOIL	Lead	92.0		0.14	0.55	mg/Kg

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Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4822-08	SOIL-4	SOIL	Magnesium	5190		3.12	90.8	mg/Kg
P4822-08	SOIL-4	SOIL	Manganese	324		0.064	0.91	mg/Kg
P4822-08	SOIL-4	SOIL	Mercury	0.063		0.0060	0.013	mg/Kg
P4822-08	SOIL-4	SOIL	Nickel	17.3		0.082	1.82	mg/Kg
P4822-08	SOIL-4	SOIL	Potassium	2440		26.1	90.8	mg/Kg
P4822-08	SOIL-4	SOIL	Silver	0.39	J	0.047	0.45	mg/Kg
P4822-08	SOIL-4	SOIL	Sodium	142		32.8	90.8	mg/Kg
P4822-08	SOIL-4	SOIL	Vanadium	30.9		0.25	1.82	mg/Kg
P4822-08	SOIL-4	SOIL	Zinc	168		0.10	1.82	mg/Kg
Client ID : SOIL-5								
P4822-10	SOIL-5	SOIL	Aluminum	7940		2.20	4.57	mg/Kg
P4822-10	SOIL-5	SOIL	Arsenic	6.87		0.27	0.92	mg/Kg
P4822-10	SOIL-5	SOIL	Barium	39.7		0.59	4.57	mg/Kg
P4822-10	SOIL-5	SOIL	Beryllium	0.73		0.011	0.27	mg/Kg
P4822-10	SOIL-5	SOIL	Cadmium	1.96		0.015	0.27	mg/Kg
P4822-10	SOIL-5	SOIL	Calcium	2870		2.56	91.5	mg/Kg
P4822-10	SOIL-5	SOIL	Chromium	16.4		0.049	0.46	mg/Kg
P4822-10	SOIL-5	SOIL	Cobalt	9.43		0.053	1.37	mg/Kg
P4822-10	SOIL-5	SOIL	Copper	23.6		0.43	0.92	mg/Kg
P4822-10	SOIL-5	SOIL	Iron	11700		2.46	4.57	mg/Kg
P4822-10	SOIL-5	SOIL	Lead	66.9		0.14	0.55	mg/Kg
P4822-10	SOIL-5	SOIL	Magnesium	5500		3.14	91.5	mg/Kg
P4822-10	SOIL-5	SOIL	Manganese	334		0.065	0.92	mg/Kg
P4822-10	SOIL-5	SOIL	Mercury	0.029		0.0060	0.014	mg/Kg
P4822-10	SOIL-5	SOIL	Nickel	15.7		0.082	1.83	mg/Kg
P4822-10	SOIL-5	SOIL	Potassium	2410		26.2	91.5	mg/Kg
P4822-10	SOIL-5	SOIL	Silver	0.40	J	0.048	0.46	mg/Kg
P4822-10	SOIL-5	SOIL	Sodium	138		33.0	91.5	mg/Kg
P4822-10	SOIL-5	SOIL	Vanadium	32.3		0.25	1.83	mg/Kg
P4822-10	SOIL-5	SOIL	Zinc	125		0.10	1.83	mg/Kg
Client ID : SOIL-6								
P4822-12	SOIL-6	SOIL	Aluminum	8720		2.19	4.54	mg/Kg
P4822-12	SOIL-6	SOIL	Arsenic	7.53		0.26	0.91	mg/Kg
P4822-12	SOIL-6	SOIL	Barium	47.7		0.58	4.54	mg/Kg
P4822-12	SOIL-6	SOIL	Beryllium	0.78		0.011	0.27	mg/Kg
P4822-12	SOIL-6	SOIL	Cadmium	2.34		0.015	0.27	mg/Kg
P4822-12	SOIL-6	SOIL	Calcium	6900		2.55	90.9	mg/Kg
P4822-12	SOIL-6	SOIL	Chromium	19.0		0.049	0.45	mg/Kg
P4822-12	SOIL-6	SOIL	Cobalt	10.5		0.053	1.36	mg/Kg

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Project ID: BAPS North Bergen

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
P4822-12	SOIL-6	SOIL	Copper	25.4		0.43	0.91	mg/Kg
P4822-12	SOIL-6	SOIL	Iron	13000		2.45	4.54	mg/Kg
P4822-12	SOIL-6	SOIL	Lead	67.2		0.14	0.55	mg/Kg
P4822-12	SOIL-6	SOIL	Magnesium	5840		3.12	90.9	mg/Kg
P4822-12	SOIL-6	SOIL	Manganese	343		0.065	0.91	mg/Kg
P4822-12	SOIL-6	SOIL	Mercury	0.035		0.0070	0.015	mg/Kg
P4822-12	SOIL-6	SOIL	Nickel	17.6		0.082	1.82	mg/Kg
P4822-12	SOIL-6	SOIL	Potassium	2900		26.1	90.9	mg/Kg
P4822-12	SOIL-6	SOIL	Silver	0.46		0.047	0.45	mg/Kg
P4822-12	SOIL-6	SOIL	Sodium	148		32.8	90.9	mg/Kg
P4822-12	SOIL-6	SOIL	Vanadium	34.7		0.25	1.82	mg/Kg
P4822-12	SOIL-6	SOIL	Zinc	133		0.10	1.82	mg/Kg



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-1	SDG No.:	P4822
Lab Sample ID:	P4822-02	Matrix:	SOIL
Level (low/med):	low	% Solid:	92.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	6920		1	2.25	4.66	mg/Kg	11/13/24 09:10	11/14/24 18:00	SW6010	SW3050
7440-36-0	Antimony	0.14	U	1	0.14	2.33	mg/Kg	11/13/24 09:10	11/14/24 18:00	SW6010	SW3050
7440-38-2	Arsenic	6.16		1	0.27	0.93	mg/Kg	11/13/24 09:10	11/14/24 18:00	SW6010	SW3050
7440-39-3	Barium	42.0		1	0.60	4.66	mg/Kg	11/13/24 09:10	11/14/24 18:00	SW6010	SW3050
7440-41-7	Beryllium	0.64	N	1	0.011	0.28	mg/Kg	11/13/24 09:10	11/14/24 18:00	SW6010	SW3050
7440-43-9	Cadmium	1.72		1	0.015	0.28	mg/Kg	11/13/24 09:10	11/14/24 18:00	SW6010	SW3050
7440-70-2	Calcium	2800		1	2.61	93.3	mg/Kg	11/13/24 09:10	11/14/24 18:00	SW6010	SW3050
7440-47-3	Chromium	16.6	N	1	0.050	0.47	mg/Kg	11/13/24 09:10	11/14/24 18:00	SW6010	SW3050
7440-48-4	Cobalt	8.64		1	0.054	1.40	mg/Kg	11/13/24 09:10	11/14/24 18:00	SW6010	SW3050
7440-50-8	Copper	26.0	N	1	0.44	0.93	mg/Kg	11/13/24 09:10	11/14/24 18:00	SW6010	SW3050
7439-89-6	Iron	11700		1	2.51	4.66	mg/Kg	11/13/24 09:10	11/14/24 18:00	SW6010	SW3050
7439-92-1	Lead	73.4		1	0.14	0.56	mg/Kg	11/13/24 09:10	11/14/24 18:00	SW6010	SW3050
7439-95-4	Magnesium	4900		1	3.20	93.3	mg/Kg	11/13/24 09:10	11/14/24 18:00	SW6010	SW3050
7439-96-5	Manganese	305		1	0.066	0.93	mg/Kg	11/13/24 09:10	11/14/24 18:00	SW6010	SW3050
7439-97-6	Mercury	0.047		1	0.0060	0.014	mg/Kg	11/13/24 09:25	11/13/24 13:21	SW7471B	
7440-02-0	Nickel	13.9		1	0.084	1.87	mg/Kg	11/13/24 09:10	11/14/24 18:00	SW6010	SW3050
7440-09-7	Potassium	2500		1	26.8	93.3	mg/Kg	11/13/24 09:10	11/14/24 18:00	SW6010	SW3050
7782-49-2	Selenium	0.31	UN	1	0.31	0.93	mg/Kg	11/13/24 09:10	11/14/24 18:00	SW6010	SW3050
7440-22-4	Silver	0.42	J	1	0.049	0.47	mg/Kg	11/13/24 09:10	11/14/24 18:00	SW6010	SW3050
7440-23-5	Sodium	140	N	1	33.7	93.3	mg/Kg	11/13/24 09:10	11/14/24 18:00	SW6010	SW3050
7440-28-0	Thallium	0.41	U	1	0.41	1.87	mg/Kg	11/13/24 09:10	11/14/24 18:00	SW6010	SW3050
7440-62-2	Vanadium	29.4	N	1	0.25	1.87	mg/Kg	11/13/24 09:10	11/14/24 18:00	SW6010	SW3050
7440-66-6	Zinc	128		1	0.10	1.87	mg/Kg	11/13/24 09:10	11/14/24 18:00	SW6010	SW3050

Color Before:	LightBrown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	N/A
Comments:	TCL+30/TAL			

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

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-2	SDG No.:	P4822
Lab Sample ID:	P4822-04	Matrix:	SOIL
Level (low/med):	low	% Solid:	89.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	7990		1	2.21	4.59	mg/Kg	11/13/24 09:10	11/14/24 18:33	SW6010	SW3050
7440-36-0	Antimony	0.14	U	1	0.14	2.29	mg/Kg	11/13/24 09:10	11/14/24 18:33	SW6010	SW3050
7440-38-2	Arsenic	6.84		1	0.27	0.92	mg/Kg	11/13/24 09:10	11/14/24 18:33	SW6010	SW3050
7440-39-3	Barium	45.4		1	0.59	4.59	mg/Kg	11/13/24 09:10	11/14/24 18:33	SW6010	SW3050
7440-41-7	Beryllium	0.76	N	1	0.011	0.28	mg/Kg	11/13/24 09:10	11/14/24 18:33	SW6010	SW3050
7440-43-9	Cadmium	2.23		1	0.015	0.28	mg/Kg	11/13/24 09:10	11/14/24 18:33	SW6010	SW3050
7440-70-2	Calcium	4650		1	2.57	91.8	mg/Kg	11/13/24 09:10	11/14/24 18:33	SW6010	SW3050
7440-47-3	Chromium	17.0	N	1	0.050	0.46	mg/Kg	11/13/24 09:10	11/14/24 18:33	SW6010	SW3050
7440-48-4	Cobalt	10.2		1	0.053	1.38	mg/Kg	11/13/24 09:10	11/14/24 18:33	SW6010	SW3050
7440-50-8	Copper	32.4	N	1	0.43	0.92	mg/Kg	11/13/24 09:10	11/14/24 18:33	SW6010	SW3050
7439-89-6	Iron	12200		1	2.47	4.59	mg/Kg	11/13/24 09:10	11/14/24 18:33	SW6010	SW3050
7439-92-1	Lead	97.0		1	0.14	0.55	mg/Kg	11/13/24 09:10	11/14/24 18:33	SW6010	SW3050
7439-95-4	Magnesium	6480		1	3.15	91.8	mg/Kg	11/13/24 09:10	11/14/24 18:33	SW6010	SW3050
7439-96-5	Manganese	360		1	0.065	0.92	mg/Kg	11/13/24 09:10	11/14/24 18:33	SW6010	SW3050
7439-97-6	Mercury	0.059		1	0.0060	0.014	mg/Kg	11/13/24 09:25	11/13/24 13:23	SW7471B	
7440-02-0	Nickel	18.2		1	0.083	1.84	mg/Kg	11/13/24 09:10	11/14/24 18:33	SW6010	SW3050
7440-09-7	Potassium	2430		1	26.3	91.8	mg/Kg	11/13/24 09:10	11/14/24 18:33	SW6010	SW3050
7782-49-2	Selenium	0.30	UN	1	0.30	0.92	mg/Kg	11/13/24 09:10	11/14/24 18:33	SW6010	SW3050
7440-22-4	Silver	0.44	J	1	0.048	0.46	mg/Kg	11/13/24 09:10	11/14/24 18:33	SW6010	SW3050
7440-23-5	Sodium	133	N	1	33.1	91.8	mg/Kg	11/13/24 09:10	11/14/24 18:33	SW6010	SW3050
7440-28-0	Thallium	0.40	U	1	0.40	1.84	mg/Kg	11/13/24 09:10	11/14/24 18:33	SW6010	SW3050
7440-62-2	Vanadium	32.9	N	1	0.25	1.84	mg/Kg	11/13/24 09:10	11/14/24 18:33	SW6010	SW3050
7440-66-6	Zinc	176		1	0.10	1.84	mg/Kg	11/13/24 09:10	11/14/24 18:33	SW6010	SW3050

Color Before:	LightBrown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	N/A
Comments:	TCL+30/TAL			

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

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-3	SDG No.:	P4822
Lab Sample ID:	P4822-06	Matrix:	SOIL
Level (low/med):	low	% Solid:	91.4

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	7270		1	2.18	4.52	mg/Kg	11/13/24 09:10	11/14/24 18:37	SW6010	SW3050
7440-36-0	Antimony	0.32	J	1	0.14	2.26	mg/Kg	11/13/24 09:10	11/14/24 18:37	SW6010	SW3050
7440-38-2	Arsenic	6.44		1	0.26	0.90	mg/Kg	11/13/24 09:10	11/14/24 18:37	SW6010	SW3050
7440-39-3	Barium	41.5		1	0.58	4.52	mg/Kg	11/13/24 09:10	11/14/24 18:37	SW6010	SW3050
7440-41-7	Beryllium	0.68	N	1	0.011	0.27	mg/Kg	11/13/24 09:10	11/14/24 18:37	SW6010	SW3050
7440-43-9	Cadmium	1.94		1	0.014	0.27	mg/Kg	11/13/24 09:10	11/14/24 18:37	SW6010	SW3050
7440-70-2	Calcium	3130		1	2.53	90.4	mg/Kg	11/13/24 09:10	11/14/24 18:37	SW6010	SW3050
7440-47-3	Chromium	17.3	N	1	0.049	0.45	mg/Kg	11/13/24 09:10	11/14/24 18:37	SW6010	SW3050
7440-48-4	Cobalt	8.82		1	0.052	1.36	mg/Kg	11/13/24 09:10	11/14/24 18:37	SW6010	SW3050
7440-50-8	Copper	30.3	N	1	0.43	0.90	mg/Kg	11/13/24 09:10	11/14/24 18:37	SW6010	SW3050
7439-89-6	Iron	11300		1	2.43	4.52	mg/Kg	11/13/24 09:10	11/14/24 18:37	SW6010	SW3050
7439-92-1	Lead	85.8		1	0.14	0.54	mg/Kg	11/13/24 09:10	11/14/24 18:37	SW6010	SW3050
7439-95-4	Magnesium	4950		1	3.10	90.4	mg/Kg	11/13/24 09:10	11/14/24 18:37	SW6010	SW3050
7439-96-5	Manganese	329		1	0.064	0.90	mg/Kg	11/13/24 09:10	11/14/24 18:37	SW6010	SW3050
7439-97-6	Mercury	0.073		1	0.0070	0.015	mg/Kg	11/13/24 09:25	11/13/24 13:41	SW7471B	
7440-02-0	Nickel	15.9		1	0.081	1.81	mg/Kg	11/13/24 09:10	11/14/24 18:37	SW6010	SW3050
7440-09-7	Potassium	2150		1	26.0	90.4	mg/Kg	11/13/24 09:10	11/14/24 18:37	SW6010	SW3050
7782-49-2	Selenium	0.30	UN	1	0.30	0.90	mg/Kg	11/13/24 09:10	11/14/24 18:37	SW6010	SW3050
7440-22-4	Silver	0.38	J	1	0.047	0.45	mg/Kg	11/13/24 09:10	11/14/24 18:37	SW6010	SW3050
7440-23-5	Sodium	118	N	1	32.6	90.4	mg/Kg	11/13/24 09:10	11/14/24 18:37	SW6010	SW3050
7440-28-0	Thallium	0.40	U	1	0.40	1.81	mg/Kg	11/13/24 09:10	11/14/24 18:37	SW6010	SW3050
7440-62-2	Vanadium	31.1	N	1	0.24	1.81	mg/Kg	11/13/24 09:10	11/14/24 18:37	SW6010	SW3050
7440-66-6	Zinc	145		1	0.099	1.81	mg/Kg	11/13/24 09:10	11/14/24 18:37	SW6010	SW3050

Color Before:	Light Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	N/A
Comments:	TCL+30/TAL			

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

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-4	SDG No.:	P4822
Lab Sample ID:	P4822-08	Matrix:	SOIL
Level (low/med):	low	% Solid:	92.9

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	7540		1	2.19	4.54	mg/Kg	11/13/24 09:10	11/14/24 18:41	SW6010	SW3050
7440-36-0	Antimony	0.29	J	1	0.14	2.27	mg/Kg	11/13/24 09:10	11/14/24 18:41	SW6010	SW3050
7440-38-2	Arsenic	6.59		1	0.26	0.91	mg/Kg	11/13/24 09:10	11/14/24 18:41	SW6010	SW3050
7440-39-3	Barium	46.6		1	0.58	4.54	mg/Kg	11/13/24 09:10	11/14/24 18:41	SW6010	SW3050
7440-41-7	Beryllium	0.69	N	1	0.011	0.27	mg/Kg	11/13/24 09:10	11/14/24 18:41	SW6010	SW3050
7440-43-9	Cadmium	2.02		1	0.015	0.27	mg/Kg	11/13/24 09:10	11/14/24 18:41	SW6010	SW3050
7440-70-2	Calcium	4240		1	2.54	90.8	mg/Kg	11/13/24 09:10	11/14/24 18:41	SW6010	SW3050
7440-47-3	Chromium	17.2	N	1	0.049	0.45	mg/Kg	11/13/24 09:10	11/14/24 18:41	SW6010	SW3050
7440-48-4	Cobalt	9.43		1	0.053	1.36	mg/Kg	11/13/24 09:10	11/14/24 18:41	SW6010	SW3050
7440-50-8	Copper	32.5	N	1	0.43	0.91	mg/Kg	11/13/24 09:10	11/14/24 18:41	SW6010	SW3050
7439-89-6	Iron	11900		1	2.44	4.54	mg/Kg	11/13/24 09:10	11/14/24 18:41	SW6010	SW3050
7439-92-1	Lead	92.0		1	0.14	0.55	mg/Kg	11/13/24 09:10	11/14/24 18:41	SW6010	SW3050
7439-95-4	Magnesium	5190		1	3.12	90.8	mg/Kg	11/13/24 09:10	11/14/24 18:41	SW6010	SW3050
7439-96-5	Manganese	324		1	0.064	0.91	mg/Kg	11/13/24 09:10	11/14/24 18:41	SW6010	SW3050
7439-97-6	Mercury	0.063		1	0.0060	0.013	mg/Kg	11/13/24 09:25	11/13/24 13:43	SW7471B	
7440-02-0	Nickel	17.3		1	0.082	1.82	mg/Kg	11/13/24 09:10	11/14/24 18:41	SW6010	SW3050
7440-09-7	Potassium	2440		1	26.1	90.8	mg/Kg	11/13/24 09:10	11/14/24 18:41	SW6010	SW3050
7782-49-2	Selenium	0.30	UN	1	0.30	0.91	mg/Kg	11/13/24 09:10	11/14/24 18:41	SW6010	SW3050
7440-22-4	Silver	0.39	J	1	0.047	0.45	mg/Kg	11/13/24 09:10	11/14/24 18:41	SW6010	SW3050
7440-23-5	Sodium	142	N	1	32.8	90.8	mg/Kg	11/13/24 09:10	11/14/24 18:41	SW6010	SW3050
7440-28-0	Thallium	0.40	U	1	0.40	1.82	mg/Kg	11/13/24 09:10	11/14/24 18:41	SW6010	SW3050
7440-62-2	Vanadium	30.9	N	1	0.25	1.82	mg/Kg	11/13/24 09:10	11/14/24 18:41	SW6010	SW3050
7440-66-6	Zinc	168		1	0.10	1.82	mg/Kg	11/13/24 09:10	11/14/24 18:41	SW6010	SW3050

Color Before:	Light Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	N/A
Comments:	TCL+30/TAL			

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

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-5	SDG No.:	P4822
Lab Sample ID:	P4822-10	Matrix:	SOIL
Level (low/med):	low	% Solid:	91.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	7940		1	2.20	4.57	mg/Kg	11/13/24 09:10	11/14/24 18:45	SW6010	SW3050
7440-36-0	Antimony	0.14	U	1	0.14	2.29	mg/Kg	11/13/24 09:10	11/14/24 18:45	SW6010	SW3050
7440-38-2	Arsenic	6.87		1	0.27	0.92	mg/Kg	11/13/24 09:10	11/14/24 18:45	SW6010	SW3050
7440-39-3	Barium	39.7		1	0.59	4.57	mg/Kg	11/13/24 09:10	11/14/24 18:45	SW6010	SW3050
7440-41-7	Beryllium	0.73	N	1	0.011	0.27	mg/Kg	11/13/24 09:10	11/14/24 18:45	SW6010	SW3050
7440-43-9	Cadmium	1.96		1	0.015	0.27	mg/Kg	11/13/24 09:10	11/14/24 18:45	SW6010	SW3050
7440-70-2	Calcium	2870		1	2.56	91.5	mg/Kg	11/13/24 09:10	11/14/24 18:45	SW6010	SW3050
7440-47-3	Chromium	16.4	N	1	0.049	0.46	mg/Kg	11/13/24 09:10	11/14/24 18:45	SW6010	SW3050
7440-48-4	Cobalt	9.43		1	0.053	1.37	mg/Kg	11/13/24 09:10	11/14/24 18:45	SW6010	SW3050
7440-50-8	Copper	23.6	N	1	0.43	0.92	mg/Kg	11/13/24 09:10	11/14/24 18:45	SW6010	SW3050
7439-89-6	Iron	11700		1	2.46	4.57	mg/Kg	11/13/24 09:10	11/14/24 18:45	SW6010	SW3050
7439-92-1	Lead	66.9		1	0.14	0.55	mg/Kg	11/13/24 09:10	11/14/24 18:45	SW6010	SW3050
7439-95-4	Magnesium	5500		1	3.14	91.5	mg/Kg	11/13/24 09:10	11/14/24 18:45	SW6010	SW3050
7439-96-5	Manganese	334		1	0.065	0.92	mg/Kg	11/13/24 09:10	11/14/24 18:45	SW6010	SW3050
7439-97-6	Mercury	0.029		1	0.0060	0.014	mg/Kg	11/13/24 09:25	11/13/24 13:46	SW7471B	
7440-02-0	Nickel	15.7		1	0.082	1.83	mg/Kg	11/13/24 09:10	11/14/24 18:45	SW6010	SW3050
7440-09-7	Potassium	2410		1	26.2	91.5	mg/Kg	11/13/24 09:10	11/14/24 18:45	SW6010	SW3050
7782-49-2	Selenium	0.30	UN	1	0.30	0.92	mg/Kg	11/13/24 09:10	11/14/24 18:45	SW6010	SW3050
7440-22-4	Silver	0.40	J	1	0.048	0.46	mg/Kg	11/13/24 09:10	11/14/24 18:45	SW6010	SW3050
7440-23-5	Sodium	138	N	1	33.0	91.5	mg/Kg	11/13/24 09:10	11/14/24 18:45	SW6010	SW3050
7440-28-0	Thallium	0.40	U	1	0.40	1.83	mg/Kg	11/13/24 09:10	11/14/24 18:45	SW6010	SW3050
7440-62-2	Vanadium	32.3	N	1	0.25	1.83	mg/Kg	11/13/24 09:10	11/14/24 18:45	SW6010	SW3050
7440-66-6	Zinc	125		1	0.10	1.83	mg/Kg	11/13/24 09:10	11/14/24 18:45	SW6010	SW3050

Color Before:	Light Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	N/A
Comments:	TCL+30/TAL			

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

Report of Analysis

Client:	BAPS North Bergen	Date Collected:	11/12/24
Project:	BAPS North Bergen	Date Received:	11/12/24
Client Sample ID:	SOIL-6	SDG No.:	P4822
Lab Sample ID:	P4822-12	Matrix:	SOIL
Level (low/med):	low	% Solid:	91.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	8720		1	2.19	4.54	mg/Kg	11/13/24 09:10	11/14/24 18:50	SW6010	SW3050
7440-36-0	Antimony	0.14	U	1	0.14	2.27	mg/Kg	11/13/24 09:10	11/14/24 18:50	SW6010	SW3050
7440-38-2	Arsenic	7.53		1	0.26	0.91	mg/Kg	11/13/24 09:10	11/14/24 18:50	SW6010	SW3050
7440-39-3	Barium	47.7		1	0.58	4.54	mg/Kg	11/13/24 09:10	11/14/24 18:50	SW6010	SW3050
7440-41-7	Beryllium	0.78	N	1	0.011	0.27	mg/Kg	11/13/24 09:10	11/14/24 18:50	SW6010	SW3050
7440-43-9	Cadmium	2.34		1	0.015	0.27	mg/Kg	11/13/24 09:10	11/14/24 18:50	SW6010	SW3050
7440-70-2	Calcium	6900		1	2.55	90.9	mg/Kg	11/13/24 09:10	11/14/24 18:50	SW6010	SW3050
7440-47-3	Chromium	19.0	N	1	0.049	0.45	mg/Kg	11/13/24 09:10	11/14/24 18:50	SW6010	SW3050
7440-48-4	Cobalt	10.5		1	0.053	1.36	mg/Kg	11/13/24 09:10	11/14/24 18:50	SW6010	SW3050
7440-50-8	Copper	25.4	N	1	0.43	0.91	mg/Kg	11/13/24 09:10	11/14/24 18:50	SW6010	SW3050
7439-89-6	Iron	13000		1	2.45	4.54	mg/Kg	11/13/24 09:10	11/14/24 18:50	SW6010	SW3050
7439-92-1	Lead	67.2		1	0.14	0.55	mg/Kg	11/13/24 09:10	11/14/24 18:50	SW6010	SW3050
7439-95-4	Magnesium	5840		1	3.12	90.9	mg/Kg	11/13/24 09:10	11/14/24 18:50	SW6010	SW3050
7439-96-5	Manganese	343		1	0.065	0.91	mg/Kg	11/13/24 09:10	11/14/24 18:50	SW6010	SW3050
7439-97-6	Mercury	0.035		1	0.0070	0.015	mg/Kg	11/13/24 09:25	11/13/24 13:48	SW7471B	
7440-02-0	Nickel	17.6		1	0.082	1.82	mg/Kg	11/13/24 09:10	11/14/24 18:50	SW6010	SW3050
7440-09-7	Potassium	2900		1	26.1	90.9	mg/Kg	11/13/24 09:10	11/14/24 18:50	SW6010	SW3050
7782-49-2	Selenium	0.30	UN	1	0.30	0.91	mg/Kg	11/13/24 09:10	11/14/24 18:50	SW6010	SW3050
7440-22-4	Silver	0.46		1	0.047	0.45	mg/Kg	11/13/24 09:10	11/14/24 18:50	SW6010	SW3050
7440-23-5	Sodium	148	N	1	32.8	90.9	mg/Kg	11/13/24 09:10	11/14/24 18:50	SW6010	SW3050
7440-28-0	Thallium	0.40	U	1	0.40	1.82	mg/Kg	11/13/24 09:10	11/14/24 18:50	SW6010	SW3050
7440-62-2	Vanadium	34.7	N	1	0.25	1.82	mg/Kg	11/13/24 09:10	11/14/24 18:50	SW6010	SW3050
7440-66-6	Zinc	133		1	0.10	1.82	mg/Kg	11/13/24 09:10	11/14/24 18:50	SW6010	SW3050

Color Before:	Light Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	N/A
Comments:	TCL+30/TAL			

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:	P4822	OrderDate:	11/12/2024 1:54:09 PM
Client:	BAPS North Bergen	Project:	BAPS North Bergen
Contact:	Rakesh Patel	Location:	L21,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4822-02	SOIL-1	SOIL			11/12/24			11/12/24
			Mercury	7471B		11/13/24	11/13/24	
			Metals ICP-TAL	6010D		11/13/24	11/14/24	
P4822-04	SOIL-2	SOIL			11/12/24			11/12/24
			Mercury	7471B		11/13/24	11/13/24	
			Metals ICP-TAL	6010D		11/13/24	11/14/24	
P4822-06	SOIL-3	SOIL			11/12/24			11/12/24
			Mercury	7471B		11/13/24	11/13/24	
			Metals ICP-TAL	6010D		11/13/24	11/14/24	
P4822-08	SOIL-4	SOIL			11/12/24			11/12/24
			Mercury	7471B		11/13/24	11/13/24	
			Metals ICP-TAL	6010D		11/13/24	11/14/24	
P4822-10	SOIL-5	SOIL			11/12/24			11/12/24
			Mercury	7471B		11/13/24	11/13/24	
			Metals ICP-TAL	6010D		11/13/24	11/14/24	
P4822-12	SOIL-6	SOIL			11/12/24			11/12/24
			Mercury	7471B		11/13/24	11/13/24	
			Metals ICP-TAL	6010D		11/13/24	11/14/24	