

Hit Summary Sheet
SW-846

SDG No.:	P5093	Order ID:	P5093
Client:	R3M Engineering, Inc.	Project ID:	MC054.36 23-8-1 LM - Landing Lane New

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : LL-001								
P5093-01	LL-001	Water	Aluminum	4760		28.3	50.0	ug/L
P5093-01	LL-001	Water	Barium	198		6.28	50.0	ug/L
P5093-01	LL-001	Water	Beryllium	0.22	J	0.13	3.00	ug/L
P5093-01	LL-001	Water	Cadmium	0.26	J	0.094	3.00	ug/L
P5093-01	LL-001	Water	Calcium	24100		33.0	1000	ug/L
P5093-01	LL-001	Water	Chromium	5.63		0.66	5.00	ug/L
P5093-01	LL-001	Water	Cobalt	1.84	J	0.50	15.0	ug/L
P5093-01	LL-001	Water	Copper	8.11	J	7.07	10.0	ug/L
P5093-01	LL-001	Water	Iron	3300		18.5	50.0	ug/L
P5093-01	LL-001	Water	Lead	9.28		3.51	6.00	ug/L
P5093-01	LL-001	Water	Magnesium	8590		39.4	1000	ug/L
P5093-01	LL-001	Water	Manganese	204		1.46	10.0	ug/L
P5093-01	LL-001	Water	Nickel	5.63	J	0.85	20.0	ug/L
P5093-01	LL-001	Water	Potassium	4060		685	1000	ug/L
P5093-01	LL-001	Water	Sodium	19500		237	1000	ug/L
P5093-01	LL-001	Water	Vanadium	8.40	J	3.06	20.0	ug/L
P5093-01	LL-001	Water	Zinc	22.7		1.75	20.0	ug/L
Client ID : LL-001-FB-12-4-24								
P5093-02	LL-001-FB-12-4-24	Water	Manganese	1.80	J	1.46	10.0	ug/L



SAMPLE DATA

A

B

C

D

Report of Analysis

Client:	R3M Engineering, Inc.	Date Collected:	12/04/24
Project:	MC054.36 23-8-1 LM - Landing Lane New Brunswick	Date Received:	12/04/24
Client Sample ID:	LL-001	SDG No.:	P5093
Lab Sample ID:	P5093-01	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	4760		1	28.3	50.0	ug/L	12/09/24 09:10	12/10/24 12:18	SW6010	SW3010
7440-36-0	Antimony	2.06	U	1	2.06	25.0	ug/L	12/09/24 09:10	12/10/24 12:18	SW6010	SW3010
7440-38-2	Arsenic	3.48	U	1	3.48	10.0	ug/L	12/09/24 09:10	12/10/24 12:18	SW6010	SW3010
7440-39-3	Barium	198		1	6.28	50.0	ug/L	12/09/24 09:10	12/10/24 12:18	SW6010	SW3010
7440-41-7	Beryllium	0.22	J	1	0.13	3.00	ug/L	12/09/24 09:10	12/10/24 12:18	SW6010	SW3010
7440-43-9	Cadmium	0.26	J	1	0.094	3.00	ug/L	12/09/24 09:10	12/10/24 12:18	SW6010	SW3010
7440-70-2	Calcium	24100		1	33.0	1000	ug/L	12/09/24 09:10	12/10/24 12:18	SW6010	SW3010
7440-47-3	Chromium	5.63		1	0.66	5.00	ug/L	12/09/24 09:10	12/10/24 12:18	SW6010	SW3010
7440-48-4	Cobalt	1.84	J	1	0.50	15.0	ug/L	12/09/24 09:10	12/10/24 12:18	SW6010	SW3010
7440-50-8	Copper	8.11	J	1	7.07	10.0	ug/L	12/09/24 09:10	12/10/24 12:18	SW6010	SW3010
7439-89-6	Iron	3300		1	18.5	50.0	ug/L	12/09/24 09:10	12/10/24 12:18	SW6010	SW3010
7439-92-1	Lead	9.28		1	3.51	6.00	ug/L	12/09/24 09:10	12/10/24 12:18	SW6010	SW3010
7439-95-4	Magnesium	8590		1	39.4	1000	ug/L	12/09/24 09:10	12/10/24 12:18	SW6010	SW3010
7439-96-5	Manganese	204		1	1.46	10.0	ug/L	12/09/24 09:10	12/10/24 12:18	SW6010	SW3010
7439-97-6	Mercury	0.081	UN	1	0.081	0.20	ug/L	12/06/24 09:25	12/06/24 12:47	SW7470A	
7440-02-0	Nickel	5.63	J	1	0.85	20.0	ug/L	12/09/24 09:10	12/10/24 12:18	SW6010	SW3010
7440-09-7	Potassium	4060		1	685	1000	ug/L	12/09/24 09:10	12/10/24 12:18	SW6010	SW3010
7782-49-2	Selenium	5.88	U	1	5.88	10.0	ug/L	12/09/24 09:10	12/10/24 12:18	SW6010	SW3010
7440-22-4	Silver	0.58	U	1	0.58	5.00	ug/L	12/09/24 09:10	12/10/24 12:18	SW6010	SW3010
7440-23-5	Sodium	19500		1	237	1000	ug/L	12/09/24 09:10	12/10/24 12:18	SW6010	SW3010
7440-28-0	Thallium	2.32	U	1	2.32	20.0	ug/L	12/09/24 09:10	12/10/24 12:18	SW6010	SW3010
7440-62-2	Vanadium	8.40	J	1	3.06	20.0	ug/L	12/09/24 09:10	12/10/24 12:18	SW6010	SW3010
7440-66-6	Zinc	22.7		1	1.75	20.0	ug/L	12/09/24 09:10	12/10/24 12:18	SW6010	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
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:	R3M Engineering, Inc.	Date Collected:	12/04/24
Project:	MC054.36 23-8-1 LM - Landing Lane New Brunswick	Date Received:	12/04/24
Client Sample ID:	LL-001-FB-12-4-24	SDG No.:	P5093
Lab Sample ID:	P5093-02	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	28.3	U	1	28.3	50.0	ug/L	12/09/24 09:10	12/10/24 12:22	SW6010	SW3010
7440-36-0	Antimony	2.06	U	1	2.06	25.0	ug/L	12/09/24 09:10	12/10/24 12:22	SW6010	SW3010
7440-38-2	Arsenic	3.48	U	1	3.48	10.0	ug/L	12/09/24 09:10	12/10/24 12:22	SW6010	SW3010
7440-39-3	Barium	6.28	U	1	6.28	50.0	ug/L	12/09/24 09:10	12/10/24 12:22	SW6010	SW3010
7440-41-7	Beryllium	0.13	U	1	0.13	3.00	ug/L	12/09/24 09:10	12/10/24 12:22	SW6010	SW3010
7440-43-9	Cadmium	0.094	U	1	0.094	3.00	ug/L	12/09/24 09:10	12/10/24 12:22	SW6010	SW3010
7440-70-2	Calcium	33.0	U	1	33.0	1000	ug/L	12/09/24 09:10	12/10/24 12:22	SW6010	SW3010
7440-47-3	Chromium	0.66	U	1	0.66	5.00	ug/L	12/09/24 09:10	12/10/24 12:22	SW6010	SW3010
7440-48-4	Cobalt	0.50	U	1	0.50	15.0	ug/L	12/09/24 09:10	12/10/24 12:22	SW6010	SW3010
7440-50-8	Copper	7.07	U	1	7.07	10.0	ug/L	12/09/24 09:10	12/10/24 12:22	SW6010	SW3010
7439-89-6	Iron	18.5	U	1	18.5	50.0	ug/L	12/09/24 09:10	12/10/24 12:22	SW6010	SW3010
7439-92-1	Lead	3.51	U	1	3.51	6.00	ug/L	12/09/24 09:10	12/10/24 12:22	SW6010	SW3010
7439-95-4	Magnesium	39.4	U	1	39.4	1000	ug/L	12/09/24 09:10	12/10/24 12:22	SW6010	SW3010
7439-96-5	Manganese	1.80	J	1	1.46	10.0	ug/L	12/09/24 09:10	12/10/24 12:22	SW6010	SW3010
7439-97-6	Mercury	0.081	UN	1	0.081	0.20	ug/L	12/06/24 09:25	12/06/24 12:50	SW7470A	
7440-02-0	Nickel	0.85	U	1	0.85	20.0	ug/L	12/09/24 09:10	12/10/24 12:22	SW6010	SW3010
7440-09-7	Potassium	685	U	1	685	1000	ug/L	12/09/24 09:10	12/10/24 12:22	SW6010	SW3010
7782-49-2	Selenium	5.88	U	1	5.88	10.0	ug/L	12/09/24 09:10	12/10/24 12:22	SW6010	SW3010
7440-22-4	Silver	0.58	U	1	0.58	5.00	ug/L	12/09/24 09:10	12/10/24 12:22	SW6010	SW3010
7440-23-5	Sodium	237	U	1	237	1000	ug/L	12/09/24 09:10	12/10/24 12:22	SW6010	SW3010
7440-28-0	Thallium	2.32	U	1	2.32	20.0	ug/L	12/09/24 09:10	12/10/24 12:22	SW6010	SW3010
7440-62-2	Vanadium	3.06	U	1	3.06	20.0	ug/L	12/09/24 09:10	12/10/24 12:22	SW6010	SW3010
7440-66-6	Zinc	1.75	U	1	1.75	20.0	ug/L	12/09/24 09:10	12/10/24 12:22	SW6010	SW3010

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Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	TCL+30/TAL			

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LAB CHRONICLE

OrderID:	P5093	OrderDate:	12/4/2024 12:24:38 PM
Client:	R3M Engineering, Inc.	Project:	MC054.36 23-8-1 LM - Landing Lane New Brunswick
Contact:	Stacey L. Felts-Bock	Location:	L41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5093-01	LL-001	Water			12/04/24			12/04/24
			Mercury	7470A		12/06/24	12/06/24	
			Metals ICP-TAL	6010D		12/09/24	12/10/24	
P5093-02	LL-001-FB-12-4-24	Water			12/04/24			12/04/24
			Mercury	7470A		12/06/24	12/06/24	
			Metals ICP-TAL	6010D		12/09/24	12/10/24	