

SJ M200.8-Trace Elements-22

02/06/25

SOP ID : ~~M30508-Digestion-20~~, MSFAM01.1-Metals ICPMS-2

SDG No :	YE8G3	Start Digest Date:	01/21/2025	Time :	11:15	Temp :	95 °C
Matrix :	SOIL	End Digest Date:	01/21/2025	Time :	11:50	Temp :	96 °C
Pipette ID:	ICP A	Digestion tube ID:	M6054				
Balance ID :	M SC-2	Block thermometer ID:	MET-DIG. # 3				
Filter paper ID :	N/A	Dig Technician Signature:	<i>SKS</i>				
pH Strip ID :	N/A	Supervisor Signature:	<i>JO</i>				
Hood ID :	#3	Temp :	1. 95°C 2. N/A				
Block ID:	1. HOT BLOCK #3 2. N/A						

Standard Name	MLS USED	STD REF. # FROM LOG
LCSS	1.00	MP84118
Spike Sol. B	1.00	MP84119
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
1:1 HNO3	4.00	MP84041
1.4 HCL SOLN	10.00	MP82128
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK #3 Cell #34 Temp: 95 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
01/21/25 11:50	<i>SKS met digestion</i>	<i>JP met dig</i>
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	pH	Initial Weight (g)	Final Vol (ml)	Color Before	Color After	Texture	Artifact	Comment	Prep Pos
PB166154BL	PBS154	N/A	1.00	500	Colorless	Colorless	Fine	N/A	N/A	1
PB166154BS	LCS154	N/A	1.00	500	Colorless	Colorless	Fine	N/A	MP84118	2
Q1105-01	YE8G3	N/A	1.19	500	Gray	Yellow	Medium	N/A	N/A	3
Q1105-02	YE8G5	N/A	1.12	500	Gray	Yellow	Medium	N/A	N/A	4
Q1105-03	YE8G6	N/A	1.12	500	Gray	Yellow	Medium	N/A	N/A	5
Q1105-04	YE8G6D	N/A	1.17	500	Gray	Yellow	Medium	N/A	N/A	6
Q1105-05	YE8G6S	N/A	1.33	500	Gray	Yellow	Medium	N/A	MP84119	7
Q1105-06	YE8H0	N/A	1.15	500	Gray	Yellow	Medium	N/A	N/A	8
Q1105-07	YE8H1	N/A	1.41	500	Gray	Yellow	Medium	N/A	N/A	9
Q1105-08	YE8H2	N/A	1.20	500	Black	Yellow	Medium	N/A	N/A	10
Q1105-09	YE8H3	N/A	1.36	500	Brown	Yellow	Medium	N/A	N/A	11
Q1105-10	YE8H4	N/A	1.15	500	Brown	Yellow	Medium	N/A	N/A	12
Q1105-11	YE8H5	N/A	1.21	500	Brown	Yellow	Medium	N/A	N/A	13
Q1105-12	YE8H6	N/A	1.21	500	Gray	Yellow	Medium	N/A	N/A	14
Q1105-13	YE8E9	N/A	1.30	500	Gray	Yellow	Medium	N/A	N/A	15
Q1105-14	YE8F0	N/A	1.24	500	Gray	Yellow	Medium	N/A	N/A	16
Q1105-15	YE8F1	N/A	1.33	500	Brown	Yellow	Medium	N/A	N/A	17
Q1105-16	YE8F2	N/A	1.10	500	Brown	Yellow	Medium	N/A	N/A	18
Q1105-17	YE8F3	N/A	1.18	500	Gray	Yellow	Medium	N/A	N/A	19
Q1105-18	YE8F4	N/A	1.32	500	Brown	Yellow	Medium	N/A	N/A	20
Q1105-19	YE8F6	N/A	1.19	500	Gray	Yellow	Medium	N/A	N/A	21
Q1105-20	YE8G0	N/A	1.14	500	Gray	Yellow	Medium	N/A	N/A	22
Q1105-21	YE8G1	N/A	1.28	500	Gray	Yellow	Medium	N/A	N/A	23
Q1105-22	YE8G2	N/A	1.32	500	Gray	Yellow	Medium	N/A	N/A	24

Analytical Summary Report

Analysis Method: 9045D

Analyst By : jignesh

Parameter: pH

Supervisor Review By : Iwona

Run Number: LB134525

Slope : 98.5

BalanceID: WC SC-7

pH Meter ID : WC PH METER-1

Calibration Standards	Chemtech Log#
PH 4 BUFFER SOLUTION	W3107
BUFFER PH 7.00 GREEN 1PINT PK6	W3093
PH 10.01 BUFFER,COLOR CD 475ML	W3094
buffer solution pH 7 yellow	W3071
Buffer Solution, PH2 (500ml)	W3161
Buffer Solution, PH12 (500ml)	W3072

True Value of ICV = 7.00 Control Limits[+/- 0.1].

True Value of CCV1 = 2.00 Control Limits[+/- 0.1].

True Value of CCV2 = 12.00 Control Limits[+/- 0.1].

True Value of CCV3 = 2.00 Control Limits[+/- 0.1].

Seq	LabID	DF	Matrix	Weight (gm)	Volume (ml)	Temperature (°C)	Result (pH)	Anal Date	Anal Time
1	CAL1	1	Water	NA	NA	20.2	4.01	02/03/2025	10:40
2	CAL2	1	Water	NA	NA	20.2	7.01	02/03/2025	10:41
3	CAL3	1	Water	NA	NA	20.3	10.02	02/03/2025	10:45
4	ICV	1	Water	NA	NA	20.2	6.98	02/03/2025	10:49
5	CCV1	1	Water	NA	NA	20.2	2.01	02/03/2025	10:50
6	Q1105-01	1	Solid	20.02	20	20.7	12.41	02/03/2025	11:00
7	Q1105-02	1	Solid	20.03	20	20.9	9.11	02/03/2025	11:10
8	Q1105-03	1	Solid	20.02	20	21.1	12.30	02/03/2025	11:15
9	Q1105-06	1	Solid	20.03	20	20.1	9.45	02/03/2025	11:25
10	Q1105-07	1	Solid	20.04	20	20.7	8.70	02/03/2025	11:30
11	Q1105-08	1	Solid	20.02	20	20.7	8.05	02/03/2025	11:35
12	Q1105-09	1	Solid	20.03	20	20.3	8.08	02/03/2025	11:40
13	Q1105-10	1	Solid	20.02	20	20.5	9.10	02/03/2025	11:45
14	Q1105-11	1	Solid	20.03	20	20.7	8.34	02/03/2025	11:50
15	Q1105-12	1	Solid	20.01	20	21.1	9.38	02/03/2025	12:00
16	CCV2	1	Water	NA	NA	20.2	12.02	02/03/2025	12:10
17	Q1105-13	1	Solid	20.04	20	20.9	8.55	02/03/2025	12:15
18	Q1105-14	1	Solid	20.02	20	20.7	8.65	02/03/2025	12:22
19	Q1105-15	1	Solid	20.03	20	20.7	8.42	02/03/2025	12:30
20	Q1105-16	1	Solid	20.04	20	20.3	8.41	02/03/2025	12:37

Seq	LabID	DF	Matrix	Weight (gm)	Volume (ml)	Temperature (°C)	Result (pH)	Anal Date	Anal Time
21	Q1105-17	1	Solid	20.02	20	20.6	8.45	02/03/2025	12:44
22	Q1105-18	1	Solid	20.03	20	20.8	7.00	02/03/2025	12:50
23	Q1105-19	1	Solid	20.02	20	21.2	7.92	02/03/2025	13:00
24	Q1105-20	1	Solid	20.03	20	21.0	7.82	02/03/2025	13:10
25	Q1105-21	1	Solid	20.02	20	21.2	8.62	02/03/2025	13:20
26	Q1105-22	1	Solid	20.03	20	20.5	8.41	02/03/2025	13:27
27	CCV3	1	Water	NA	NA	20.2	2.01	02/03/2025	13:35