

SOP ID : M7471B-Mercury-18, MSFAM01.1-Mercury in Soil-2

SDG No : YE8F8 **Start Digest Date:** 02/07/2025 **Time :** 10:35 **Temp :** 94 °C

Matrix : SOIL **End Digest Date:** 02/07/2025 **Time :** 11:05 **Temp :** 95 °C

Pipette ID: HG A **Digestion tube ID:** M6054

Balance ID : M SC-3 **Block thermometer ID:** HG-DIG#1

Filter paper ID : NA **Dig Technician Signature:** *MB*

pH Strip ID : NA **Supervisor Signature:** *12*

Hood ID : #1 **Temp :** 1. 94°C 2. N/A

Block ID: 1. HG HOT BLOCK#1 2. N/A

Standardized Name	MLS USED	STD REF. # FROM LOG
ICV	100mL	MP84401
CCV	100mL	MP84403
Matrix Spike	1.0mL	MP84394
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
AQUA REGIA	5.0mL	MP84407
KMnO4 (5%)	15.0mL	MP83692
Hydroxylamine HCL (12%)	6.0mL	MP83694
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

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
0.0 ppb	S0	100mL	MP84395
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	100mL	MP84396
2.5 ppb	S2.5	100mL	MP84397
5.0 ppb	S5.0	100mL	MP84398
7.5 ppb	S7.5	100mL	MP84399
10.0 ppb	S10.0	100mL	MP84400
ICV	ICV	100mL	MP84401
ICB	ICB	100mL	MP84402
CCV	CCV	100mL	MP84403
CCB	CCB	100mL	MP84404
CRI	CRI	N/A	N/A
CHK STD	CHK STD	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

N/A		
Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
2/7/25 @ 11:50	MB - Dig. Lab	MB - Dig. Lab
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Comment	Prep Pos
PB166632BL	PBS632	0.50	100	NA	N/A	1-1
Q1135-01	YE8F5	0.56	100	NA	N/A	2
Q1135-02	YE8F7	0.52	100	NA	N/A	3
Q1135-03	YE8F7D	0.55	100	NA	N/A	4
Q1135-04	YE8F7S	0.54	100	NA	MP84394	5
Q1135-05	YE8F8	0.53	100	NA	N/A	6
Q1135-06	YE8F9	0.56	100	NA	N/A	7
Q1135-07	YE8H9	0.53	100	NA	N/A	8
Q1135-08	YE8J0	0.53	100	NA	N/A	9
Q1135-10	YE8J1	0.52	100	NA	N/A	10
Q1135-11	YE8E3	0.55	100	NA	N/A	11
Q1135-12	YE8E4	0.55	100	NA	N/A	12
Q1135-13	YE8E5	0.54	100	NA	N/A	13
Q1135-14	YE8E6	0.50	100	NA	N/A	14
Q1135-15	YE8E7	0.57	100	NA	N/A	15
Q1135-16	YE8E8	0.52	100	NA	N/A	16
Q1135-17	YE8D2	0.58	100	NA	N/A	17
Q1135-18	YE8D4	0.54	100	NA	N/A	18
Q1135-19	YE8C3	0.51	100	NA	N/A	19
Q1135-21	YE8D0	0.55	100	NA	N/A	20
Q1135-22	YE8D5	0.54	100	NA	N/A	21

Analytical Summary Report

Analysis Method: 9045D

Analyst By : jignesh

Parameter: pH

Supervisor Review By : Iwona

Run Number: LB134550

Slope : 98.4

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].

True Value of CCV4 = 12.00 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	02/04/2025	08:20
2	CAL2	1	Water	NA	NA	20.2	7.00	02/04/2025	08:21
3	CAL3	1	Water	NA	NA	20.2	10.02	02/04/2025	08:22
4	ICV	1	Water	NA	NA	20.3	7.02	02/04/2025	08:25
5	CCV1	1	Water	NA	NA	20.2	2.01	02/04/2025	08:30
6	Q1135-01	1	Solid	20.02	20	21.9	5.98	02/04/2025	08:37
7	Q1135-02	1	Solid	20.03	20	21.9	5.97	02/04/2025	08:40
8	Q1135-05	1	Solid	20.02	20	21.7	6.13	02/04/2025	08:42
9	Q1135-06	1	Solid	20.03	20	21.9	6.17	02/04/2025	08:47
10	Q1135-07	1	Solid	20.03	20	21.0	7.78	02/04/2025	08:55
11	Q1135-08	1	Solid	20.01	20	21.7	7.02	02/04/2025	09:00
12	Q1135-10	1	Solid	20.02	20	21.5	6.83	02/04/2025	09:10
13	Q1135-11	1	Solid	20.03	20	22.0	6.77	02/04/2025	09:18
14	Q1135-12	1	Solid	20.05	20	21.5	6.68	02/04/2025	09:25
15	Q1135-13	1	Solid	20.03	20	21.6	6.72	02/04/2025	09:33
16	CCV2	1	Water	NA	NA	20.2	12.02	02/04/2025	09:37
17	Q1135-14	1	Solid	20.02	20	21.3	6.71	02/04/2025	09:42
18	Q1135-15	1	Solid	20.03	20	21.0	6.74	02/04/2025	09:50
19	Q1135-16	1	Solid	20.04	20	21.4	7.49	02/04/2025	10:00
20	Q1135-17	1	Solid	20.02	20	21.7	7.77	02/04/2025	10:10

Seq	LabID	DF	Matrix	Weight (gm)	Volume (ml)	Temperature (°C)	Result (pH)	Anal Date	Anal Time
21	Q1135-18	1	Solid	20.03	20	21.9	7.30	02/04/2025	10:18
22	Q1135-19	1	Solid	20.01	20	22.1	7.26	02/04/2025	10:25
23	Q1135-21	1	Solid	20.03	20	21.8	7.07	02/04/2025	10:33
24	Q1135-22	1	Solid	20.03	20	21.9	8.74	02/04/2025	10:37
25	Q1159-01	1	Solid	20.02	20	22.2	7.93	02/04/2025	10:44
26	Q1159-04	1	Solid	20.03	20	21.8	7.64	02/04/2025	10:50
27	CCV3	1	Water	NA	NA	20.2	2.01	02/04/2025	11:00
28	Q1159-05	1	Solid	20.05	20	22.0	8.00	02/04/2025	11:11
29	Q1159-06	1	Solid	20.03	20	21.6	7.99	02/04/2025	11:15
30	CCV4	1	Water	NA	NA	20.2	12.02	02/04/2025	11:20

WORKLIST(Hardcopy Internal Chain)

134550

WorkList Name : ph q1135

WorkList ID : 187437

Department : Wet-Chemistry

Date : 02-04-2025 08:02:00

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1135-01	YE8F5	Solid	pH	Cool 4 deg C	USEP01	Q31	01/15/2025	9045D
Q1135-02	YE8F7	Solid	pH	Cool 4 deg C	USEP01	Q31	01/15/2025	9045D
Q1135-05	YE8F8	Solid	pH	Cool 4 deg C	USEP01	Q31	01/15/2025	9045D
Q1135-06	YE8F9	Solid	pH	Cool 4 deg C	USEP01	Q31	01/15/2025	9045D
Q1135-07	YE8H9	Solid	pH	Cool 4 deg C	USEP01	Q31	01/15/2025	9045D
Q1135-08	YE8J0	Solid	pH	Cool 4 deg C	USEP01	Q31	01/16/2025	9045D
Q1135-10	YE8J1	Solid	pH	Cool 4 deg C	USEP01	Q31	01/16/2025	9045D
Q1135-11	YE8E3	Solid	pH	Cool 4 deg C	USEP01	Q31	01/16/2025	9045D
Q1135-12	YE8E4	Solid	pH	Cool 4 deg C	USEP01	Q31	01/17/2025	9045D
Q1135-13	YE8E5	Solid	pH	Cool 4 deg C	USEP01	Q31	01/17/2025	9045D
Q1135-14	YE8E6	Solid	pH	Cool 4 deg C	USEP01	Q31	01/17/2025	9045D
Q1135-15	YE8E7	Solid	pH	Cool 4 deg C	USEP01	Q31	01/17/2025	9045D
Q1135-16	YE8E8	Solid	pH	Cool 4 deg C	USEP01	Q31	01/17/2025	9045D
Q1135-17	YE8D2	Solid	pH	Cool 4 deg C	USEP01	Q31	01/17/2025	9045D
Q1135-18	YE8D4	Solid	pH	Cool 4 deg C	USEP01	Q31	01/19/2025	9045D
Q1135-19	YE8C3	Solid	pH	Cool 4 deg C	USEP01	Q31	01/18/2025	9045D
Q1135-21	YE8D0	Solid	pH	Cool 4 deg C	USEP01	Q31	01/19/2025	9045D
Q1135-22	YE8D5	Solid	pH	Cool 4 deg C	USEP01	Q31	01/18/2025	9045D
Q1159-01	YE8C9	Solid	pH	Cool 4 deg C	USEP01	Q31	01/19/2025	9045D
Q1159-04	YE8D1	Solid	pH	Cool 4 deg C	USEP01	C33	01/18/2025	9045D
Q1159-05	YE8D3	Solid	pH	Cool 4 deg C	USEP01	C33	01/19/2025	9045D

Date/Time

02/04/25 08:15

Raw Sample Received by:

186021

Raw Sample Relinquished by:

CR SM

Date/Time

02/04/25

Raw Sample Received by:

CR SM

Raw Sample Relinquished by:

186021

WORKLIST(Hardcopy Internal Chain)

134550

WorkList Name : ph q1135

WorkList ID : 187437

Department : Wet-Chemistry

Date : 02-04-2025 08:02:00

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1159-06	YE8E2	Solid	pH	Cool 4 deg C	USEP01	C33	01/19/2025	9045D

Date/Time 02/04/25 08:15
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]

Date/Time 02/04/25 12:00
 Raw Sample Received by: [Signature]
 Raw Sample Relinquished by: [Signature]