Alliance TECHNICAL GROUP

Soil/Sludge Mercury Preparation Sheet

PB168173

SOP ID : M7471B-Mercury-18

SDG No : NA

Start Digest Date: 05/28/2025 **Time :** 16:40 **Temp :** 95 °C

Matrix : SOIL

End Digest Date: 05/28/2025 **Time :** 17:10 **Temp :** 94 °C

Pippete ID: HG A

Digestion tube ID: M5595

Balance ID : M SC-3

Block thermometer ID: HG-DIG#3

Filter paper ID : NA

Dig Technician Signature: MB

pH Strip ID : NA

Supervisor Signature: 12

Hood ID : #1

Temp : **1.** 95°C **2.** N/A

Block ID: **1.** HG HOT BLOCK#3 **2.** N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP85787
CCV	30mL	MP85789
CRA	30mL	MP85791
Blank Spike	0.48mL	MP85780
Matrix Spike	0.48mL	MP85780

Chemical Used	ML/SAMPLE USED	Lot Number
AQUA REGIA	1.5mL	MP85793
KMnO4 (5%)	4.5mL	MP85241
Hydroxylamine HCL (12%)	2.0mL	MP85243
PTFE Boiling Stones	----------	M4583
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	30mL	MP85781
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP85782
2.5 ppb	S2.5	30mL	MP85783
5.0 ppb	S5.0	30mL	MP85784
7.5 ppb	S7.5	30mL	MP85785
10.0 ppb	S10.0	30mL	MP85786
ICV	ICV	30mL	MP85787
ICB	ICB	30mL	MP85788
CCV	CCV	30mL	MP85789
CCB	CCB	30mL	MP85790
CRI	CRI	30mL	MP85791
CHK STD	CHK STD	30mL	MP85792

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
5/28/25 @ 17:40	MB ~ DIG @ GMS	MB ~ metal GMS
	Preparation Group	**Analysis Group**

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Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Comment	Prep Pos
PB168173BL	PBS173	0.50	35	NA	N/A	3-1
PB168173BS	LCS173	0.57	35	NA	MP85780	2
Q1872-10	HW0425-PT-MET-SOIL	0.52	35	NA	N/A	3
Q2085-01	SC-4-SED-051525	0.59	35	NA	N/A	4
Q2085-02	SC-3-SED-051525	0.60	35	NA	N/A	5
Q2085-03	SC-2-SED-051525	0.59	35	NA	N/A	6
Q2085-04	SC-1-SED-051625	0.58	35	NA	N/A	7
Q2085-04DUP	SC-1-SED-051625DUP	0.55	35	NA	N/A	8
Q2085-05	Q2085-04MS	0.56	35	NA	MP85780	9
Q2085-06	Q2085-04MSD	0.54	35	NA	MP85780	10
Q2085-07	SC-COMP-SED-051625	0.60	35	NA	N/A	11
Q2085-08	DUPE-1-SC	0.58	35	NA	N/A	12
Q2127-01	COMP-1	0.55	35	NA	N/A	13
Q2127-11	COMP-2	0.52	35	NA	N/A	14