



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: P4258

Order ID: P4258

Client: Roman E&G Corp

Project ID: Perth Amboy

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :	Chamberlain Ave							
P4258-04	Chamberlain Ave	TCLP	Barium	4420		62.8	500	ug/L
P4258-04	Chamberlain Ave	TCLP	Cadmium	2.16	J	0.94	30.0	ug/L
P4258-04	Chamberlain Ave	TCLP	Chromium	15.7	J	6.60	50.0	ug/L
P4258-04	Chamberlain Ave	TCLP	Copper	217		70.7	100	ug/L
P4258-04	Chamberlain Ave	TCLP	Lead	170		35.1	60.0	ug/L
P4258-04	Chamberlain Ave	TCLP	Mercury	1.68	J	0.81	2.00	ug/L
P4258-04	Chamberlain Ave	TCLP	Nickel	27.5	J	8.50	200	ug/L
P4258-04	Chamberlain Ave	TCLP	Zinc	2260		17.5	200	ug/L



SAMPLE DATA

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/01/24
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	Chamberlain Ave	SDG No.:	P4258
Lab Sample ID:	P4258-04	Matrix:	TCLP
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7440-38-2	Arsenic	34.8	U	1	34.8	100	ug/L	10/03/24 13:30	10/04/24 12:06	SW6010	SW3050
7440-39-3	Barium	4420		1	62.8	500	ug/L	10/03/24 13:30	10/04/24 12:06	SW6010	SW3050
7440-43-9	Cadmium	2.16	J	1	0.94	30.0	ug/L	10/03/24 13:30	10/04/24 12:06	SW6010	SW3050
7440-47-3	Chromium	15.7	J	1	6.60	50.0	ug/L	10/03/24 13:30	10/04/24 12:06	SW6010	SW3050
7440-50-8	Copper	217		1	70.7	100	ug/L	10/03/24 13:30	10/04/24 12:06	SW6010	SW3050
7439-92-1	Lead	170		1	35.1	60.0	ug/L	10/03/24 13:30	10/04/24 12:06	SW6010	SW3050
7439-97-6	Mercury	1.68	J	1	0.81	2.00	ug/L	10/03/24 12:20	10/04/24 11:28	SW7470A	
7440-02-0	Nickel	27.5	J	1	8.50	200	ug/L	10/03/24 13:30	10/04/24 12:06	SW6010	SW3050
7782-49-2	Selenium	58.8	U	1	58.8	100	ug/L	10/03/24 13:30	10/04/24 12:06	SW6010	SW3050
7440-22-4	Silver	5.80	U	1	5.80	50.0	ug/L	10/03/24 13:30	10/04/24 12:06	SW6010	SW3050
7440-66-6	Zinc	2260		1	17.5	200	ug/L	10/03/24 13:30	10/04/24 12:06	SW6010	SW3050

Color Before:	Colorless	Clarity Before:	Clear	Texture:
Color After:	Colorless	Clarity After:	Clear	Artifacts:
Comments:	GROWS Soil-Waste Class			

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



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client:	Roman E&G Corp				SDG No.:	P4258				
Contract:	ROMA02	Lab Code:	CHEM		Case No.:	P4258		SAS No.:	P4258	
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number	
ICB24	Mercury	0.20	+/-0.20	U	0.20	CV	10/04/2024	10:59	LB132761	

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Roman E&G Corp **SDG No.:** P4258
Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB71	Mercury	0.20	+/-0.20	U	0.20	CV	10/04/2024	11:04	LB132761
CCB72	Mercury	0.20	+/-0.20	U	0.20	CV	10/04/2024	11:38	LB132761
CCB73	Mercury	0.20	+/-0.20	U	0.20	CV	10/04/2024	12:04	LB132761

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Roman E&G Corp **SDG No.:** P4258
Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Arsenic	20.0	+/-20.0	U	20.0	P	10/04/2024	11:06	LB132811
	Barium	100	+/-100	U	100	P	10/04/2024	11:06	LB132811
	Cadmium	6.00	+/-6.00	U	6.00	P	10/04/2024	11:06	LB132811
	Chromium	10.0	+/-10.0	U	10.0	P	10/04/2024	11:06	LB132811
	Copper	20.0	+/-20.0	U	20.0	P	10/04/2024	11:06	LB132811
	Lead	12.0	+/-12.0	U	12.0	P	10/04/2024	11:06	LB132811
	Nickel	40.0	+/-40.0	U	40.0	P	10/04/2024	11:06	LB132811
	Selenium	20.0	+/-20.0	U	20.0	P	10/04/2024	11:06	LB132811
	Silver	10.0	+/-10.0	U	10.0	P	10/04/2024	11:06	LB132811
	Zinc	40.0	+/-40.0	U	40.0	P	10/04/2024	11:06	LB132811

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Roman E&G Corp		SDG No.: P4258							
Contract: ROMA02	Lab Code: CHEM	Case No.: P4258	SAS No.: P4258						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Arsenic	20.0	+/-20.0	U	20.0	P	10/04/2024	11:43	LB132811
	Barium	100	+/-100	U	100	P	10/04/2024	11:43	LB132811
	Cadmium	6.00	+/-6.00	U	6.00	P	10/04/2024	11:43	LB132811
	Chromium	10.0	+/-10.0	U	10.0	P	10/04/2024	11:43	LB132811
	Copper	20.0	+/-20.0	U	20.0	P	10/04/2024	11:43	LB132811
	Lead	12.0	+/-12.0	U	12.0	P	10/04/2024	11:43	LB132811
	Nickel	40.0	+/-40.0	U	40.0	P	10/04/2024	11:43	LB132811
	Selenium	20.0	+/-20.0	U	20.0	P	10/04/2024	11:43	LB132811
	Silver	10.0	+/-10.0	U	10.0	P	10/04/2024	11:43	LB132811
	Zinc	40.0	+/-40.0	U	40.0	P	10/04/2024	11:43	LB132811
CCB02	Arsenic	20.0	+/-20.0	U	20.0	P	10/04/2024	12:37	LB132811
	Barium	100	+/-100	U	100	P	10/04/2024	12:37	LB132811
	Cadmium	6.00	+/-6.00	U	6.00	P	10/04/2024	12:37	LB132811
	Chromium	10.0	+/-10.0	U	10.0	P	10/04/2024	12:37	LB132811
	Copper	20.0	+/-20.0	U	20.0	P	10/04/2024	12:37	LB132811
	Lead	12.0	+/-12.0	U	12.0	P	10/04/2024	12:37	LB132811
	Nickel	40.0	+/-40.0	U	40.0	P	10/04/2024	12:37	LB132811
	Selenium	20.0	+/-20.0	U	20.0	P	10/04/2024	12:37	LB132811
	Silver	10.0	+/-10.0	U	10.0	P	10/04/2024	12:37	LB132811
	Zinc	40.0	+/-40.0	U	40.0	P	10/04/2024	12:37	LB132811
CCB03	Arsenic	20.0	+/-20.0	U	20.0	P	10/04/2024	13:51	LB132811
	Barium	100	+/-100	U	100	P	10/04/2024	13:51	LB132811
	Cadmium	6.00	+/-6.00	U	6.00	P	10/04/2024	13:51	LB132811
	Chromium	10.0	+/-10.0	U	10.0	P	10/04/2024	13:51	LB132811
	Copper	20.0	+/-20.0	U	20.0	P	10/04/2024	13:51	LB132811
	Lead	12.0	+/-12.0	U	12.0	P	10/04/2024	13:51	LB132811
	Nickel	40.0	+/-40.0	U	40.0	P	10/04/2024	13:51	LB132811
	Selenium	20.0	+/-20.0	U	20.0	P	10/04/2024	13:51	LB132811
	Silver	10.0	+/-10.0	U	10.0	P	10/04/2024	13:51	LB132811
	Zinc	40.0	+/-40.0	U	40.0	P	10/04/2024	13:51	LB132811
CCB04	Arsenic	20.0	+/-20.0	U	20.0	P	10/04/2024	15:05	LB132811
	Barium	100	+/-100	U	100	P	10/04/2024	15:05	LB132811
	Cadmium	6.00	+/-6.00	U	6.00	P	10/04/2024	15:05	LB132811
	Chromium	10.0	+/-10.0	U	10.0	P	10/04/2024	15:05	LB132811
	Copper	20.0	+/-20.0	U	20.0	P	10/04/2024	15:05	LB132811
	Lead	12.0	+/-12.0	U	12.0	P	10/04/2024	15:05	LB132811
	Nickel	40.0	+/-40.0	U	40.0	P	10/04/2024	15:05	LB132811
	Selenium	20.0	+/-20.0	U	20.0	P	10/04/2024	15:05	LB132811
	Silver	10.0	+/-10.0	U	10.0	P	10/04/2024	15:05	LB132811

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Roman E&G Corp		SDG No.: P4258							
Contract: ROMA02	Lab Code: CHEM	Case No.: P4258	SAS No.: P4258						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Zinc	40.0	+/-40.0	U	40.0	P	10/04/2024	15:05	LB132811
CCB05	Arsenic	20.0	+/-20.0	U	20.0	P	10/04/2024	16:12	LB132811
	Barium	100	+/-100	U	100	P	10/04/2024	16:12	LB132811
	Cadmium	6.00	+/-6.00	U	6.00	P	10/04/2024	16:12	LB132811
	Chromium	10.0	+/-10.0	U	10.0	P	10/04/2024	16:12	LB132811
	Copper	20.0	+/-20.0	U	20.0	P	10/04/2024	16:12	LB132811
	Lead	12.0	+/-12.0	U	12.0	P	10/04/2024	16:12	LB132811
	Nickel	40.0	+/-40.0	U	40.0	P	10/04/2024	16:12	LB132811
	Selenium	20.0	+/-20.0	U	20.0	P	10/04/2024	16:12	LB132811
	Silver	10.0	+/-10.0	U	10.0	P	10/04/2024	16:12	LB132811
	Zinc	40.0	+/-40.0	U	40.0	P	10/04/2024	16:12	LB132811
CCB06	Arsenic	20.0	+/-20.0	U	20.0	P	10/04/2024	16:31	LB132811
	Barium	100	+/-100	U	100	P	10/04/2024	16:31	LB132811
	Cadmium	6.00	+/-6.00	U	6.00	P	10/04/2024	16:31	LB132811
	Chromium	10.0	+/-10.0	U	10.0	P	10/04/2024	16:31	LB132811
	Copper	20.0	+/-20.0	U	20.0	P	10/04/2024	16:31	LB132811
	Lead	12.0	+/-12.0	U	12.0	P	10/04/2024	16:31	LB132811
	Nickel	40.0	+/-40.0	U	40.0	P	10/04/2024	16:31	LB132811
	Selenium	20.0	+/-20.0	U	20.0	P	10/04/2024	16:31	LB132811
	Silver	10.0	+/-10.0	U	10.0	P	10/04/2024	16:31	LB132811
	Zinc	40.0	+/-40.0	U	40.0	P	10/04/2024	16:31	LB132811

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Roman E&G Corp

SDG No.: P4258

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB163851TB	WATER			Batch Number:	PB163879		Prep Date:	10/03/2024	
	Mercury	2.00	<2.00	U	2.00	CV	10/04/2024	11:55	LB132761
Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB163879BL	WATER			Batch Number:	PB163879		Prep Date:	10/03/2024	
	Mercury	0.20	<0.20	U	0.20	CV	10/04/2024	11:13	LB132761

Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: Roman E&G Corp

SDG No.: P4258

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB163851TB		WATER		Batch Number:	PB163885		Prep Date:	10/03/2024	
	Arsenic	100	<100	U	100	P	10/04/2024	13:43	LB132811
	Barium	500	<500	U	500	P	10/04/2024	13:43	LB132811
	Cadmium	30.0	<30.0	U	30.0	P	10/04/2024	13:43	LB132811
	Chromium	12.6	<50.0	J	50.0	P	10/04/2024	13:43	LB132811
	Copper	100	<100	U	100	P	10/04/2024	13:43	LB132811
	Lead	60.0	<60.0	U	60.0	P	10/04/2024	13:43	LB132811
	Nickel	200	<200	U	200	P	10/04/2024	13:43	LB132811
	Selenium	100	<100	U	100	P	10/04/2024	13:43	LB132811
	Silver	50.0	<50.0	U	50.0	P	10/04/2024	13:43	LB132811
	Zinc	200	<200	U	200	P	10/04/2024	13:43	LB132811
Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB163885BL		WATER		Batch Number:	PB163885		Prep Date:	10/03/2024	
	Arsenic	100	<100	U	100	P	10/04/2024	13:32	LB132811
	Barium	500	<500	U	500	P	10/04/2024	13:32	LB132811
	Cadmium	30.0	<30.0	U	30.0	P	10/04/2024	13:32	LB132811
	Chromium	50.0	<50.0	U	50.0	P	10/04/2024	13:32	LB132811
	Copper	100	<100	U	100	P	10/04/2024	13:32	LB132811
	Lead	60.0	<60.0	U	60.0	P	10/04/2024	13:32	LB132811
	Nickel	200	<200	U	200	P	10/04/2024	13:32	LB132811
	Selenium	100	<100	U	100	P	10/04/2024	13:32	LB132811
	Silver	50.0	<50.0	U	50.0	P	10/04/2024	13:32	LB132811
	Zinc	200	<200	U	200	P	10/04/2024	13:32	LB132811



METAL CALIBRATION DATA

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258
Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258
Initial Calibration Source: EPA
Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV24	Mercury	4.01	4.0	100	90 - 110	CV	10/04/2024	10:55	LB132761

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258
Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258
Initial Calibration Source: EPA
Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV71	Mercury	4.97	5.0	99	90 - 110	CV	10/04/2024	11:02	LB132761
CCV72	Mercury	5.36	5.0	107	90 - 110	CV	10/04/2024	11:35	LB132761
CCV73	Mercury	5.47	5.0	109	90 - 110	CV	10/04/2024	12:01	LB132761

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258
Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Arsenic	984	1000	98	90 - 110	P	10/04/2024	10:45	LB132811
	Barium	527	520	101	90 - 110	P	10/04/2024	10:45	LB132811
	Cadmium	498	510	98	90 - 110	P	10/04/2024	10:45	LB132811
	Chromium	531	520	102	90 - 110	P	10/04/2024	10:45	LB132811
	Copper	542	510	106	90 - 110	P	10/04/2024	10:45	LB132811
	Lead	996	1000	100	90 - 110	P	10/04/2024	10:45	LB132811
	Nickel	534	530	101	90 - 110	P	10/04/2024	10:45	LB132811
	Selenium	1020	1000	102	90 - 110	P	10/04/2024	10:45	LB132811
	Silver	259	250	103	90 - 110	P	10/04/2024	10:45	LB132811
	Zinc	1040	1000	104	90 - 110	P	10/04/2024	10:45	LB132811

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp **SDG No.:** P4258
Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Arsenic	22.0	20.0	110	80 - 120	P	10/04/2024	10:59	LB132811
	Barium	108	100	108	80 - 120	P	10/04/2024	10:59	LB132811
	Cadmium	6.37	6.0	106	80 - 120	P	10/04/2024	10:59	LB132811
	Chromium	11.2	10.0	112	80 - 120	P	10/04/2024	10:59	LB132811
	Copper	22.9	20.0	114	80 - 120	P	10/04/2024	10:59	LB132811
	Lead	13.0	12.0	108	80 - 120	P	10/04/2024	10:59	LB132811
	Nickel	41.0	40.0	103	80 - 120	P	10/04/2024	10:59	LB132811
	Selenium	21.1	20.0	105	80 - 120	P	10/04/2024	10:59	LB132811
	Silver	11.9	10.0	119	80 - 120	P	10/04/2024	10:59	LB132811
	Zinc	45.1	40.0	113	80 - 120	P	10/04/2024	10:59	LB132811

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp SDG No.: P4258
Contract: ROMA02 Lab Code: CHEM Case No.: P4258 SAS No.: P4258
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Arsenic	5250	5000	105	90 - 110	P	10/04/2024	11:39	LB132811
	Barium	10300	10000	103	90 - 110	P	10/04/2024	11:39	LB132811
	Cadmium	2590	2500	103	90 - 110	P	10/04/2024	11:39	LB132811
	Chromium	1010	1000	101	90 - 110	P	10/04/2024	11:39	LB132811
	Copper	1310	1250	105	90 - 110	P	10/04/2024	11:39	LB132811
	Lead	5170	5000	103	90 - 110	P	10/04/2024	11:39	LB132811
	Nickel	2590	2500	104	90 - 110	P	10/04/2024	11:39	LB132811
	Selenium	5290	5000	106	90 - 110	P	10/04/2024	11:39	LB132811
	Silver	1270	1250	102	90 - 110	P	10/04/2024	11:39	LB132811
	Zinc	2570	2500	103	90 - 110	P	10/04/2024	11:39	LB132811
CCV02	Arsenic	5210	5000	104	90 - 110	P	10/04/2024	12:33	LB132811
	Barium	10200	10000	102	90 - 110	P	10/04/2024	12:33	LB132811
	Cadmium	2520	2500	101	90 - 110	P	10/04/2024	12:33	LB132811
	Chromium	992	1000	99	90 - 110	P	10/04/2024	12:33	LB132811
	Copper	1310	1250	105	90 - 110	P	10/04/2024	12:33	LB132811
	Lead	5060	5000	101	90 - 110	P	10/04/2024	12:33	LB132811
	Nickel	2540	2500	102	90 - 110	P	10/04/2024	12:33	LB132811
	Selenium	5290	5000	106	90 - 110	P	10/04/2024	12:33	LB132811
	Silver	1280	1250	103	90 - 110	P	10/04/2024	12:33	LB132811
	Zinc	2560	2500	102	90 - 110	P	10/04/2024	12:33	LB132811
CCV03	Arsenic	5070	5000	101	90 - 110	P	10/04/2024	13:47	LB132811
	Barium	10200	10000	102	90 - 110	P	10/04/2024	13:47	LB132811
	Cadmium	2470	2500	99	90 - 110	P	10/04/2024	13:47	LB132811
	Chromium	991	1000	99	90 - 110	P	10/04/2024	13:47	LB132811
	Copper	1270	1250	102	90 - 110	P	10/04/2024	13:47	LB132811
	Lead	4940	5000	99	90 - 110	P	10/04/2024	13:47	LB132811
	Nickel	2480	2500	99	90 - 110	P	10/04/2024	13:47	LB132811
	Selenium	5130	5000	103	90 - 110	P	10/04/2024	13:47	LB132811
	Silver	1260	1250	101	90 - 110	P	10/04/2024	13:47	LB132811
	Zinc	2550	2500	102	90 - 110	P	10/04/2024	13:47	LB132811
CCV04	Arsenic	5320	5000	106	90 - 110	P	10/04/2024	15:00	LB132811
	Barium	10800	10000	108	90 - 110	P	10/04/2024	15:00	LB132811
	Cadmium	2570	2500	103	90 - 110	P	10/04/2024	15:00	LB132811
	Chromium	1040	1000	104	90 - 110	P	10/04/2024	15:00	LB132811

Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Roman E&G Corp SDG No.: P4258
Contract: ROMA02 Lab Code: CHEM Case No.: P4258 SAS No.: P4258
Initial Calibration Source: EPA
Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Copper	1340	1250	107	90 - 110	P	10/04/2024	15:00	LB132811
	Lead	5170	5000	103	90 - 110	P	10/04/2024	15:00	LB132811
	Nickel	2600	2500	104	90 - 110	P	10/04/2024	15:00	LB132811
	Selenium	5400	5000	108	90 - 110	P	10/04/2024	15:00	LB132811
	Silver	1340	1250	107	90 - 110	P	10/04/2024	15:00	LB132811
	Zinc	2690	2500	108	90 - 110	P	10/04/2024	15:00	LB132811
CCV05	Arsenic	5190	5000	104	90 - 110	P	10/04/2024	16:08	LB132811
	Barium	10300	10000	103	90 - 110	P	10/04/2024	16:08	LB132811
	Cadmium	2480	2500	99	90 - 110	P	10/04/2024	16:08	LB132811
	Chromium	990	1000	99	90 - 110	P	10/04/2024	16:08	LB132811
	Copper	1300	1250	104	90 - 110	P	10/04/2024	16:08	LB132811
	Lead	5000	5000	100	90 - 110	P	10/04/2024	16:08	LB132811
	Nickel	2510	2500	101	90 - 110	P	10/04/2024	16:08	LB132811
	Selenium	5350	5000	107	90 - 110	P	10/04/2024	16:08	LB132811
	Silver	1300	1250	104	90 - 110	P	10/04/2024	16:08	LB132811
	Zinc	2630	2500	105	90 - 110	P	10/04/2024	16:08	LB132811
CCV06	Arsenic	5000	5000	100	90 - 110	P	10/04/2024	16:27	LB132811
	Barium	9610	10000	96	90 - 110	P	10/04/2024	16:27	LB132811
	Cadmium	2380	2500	95	90 - 110	P	10/04/2024	16:27	LB132811
	Chromium	916	1000	92	90 - 110	P	10/04/2024	16:27	LB132811
	Copper	1250	1250	100	90 - 110	P	10/04/2024	16:27	LB132811
	Lead	4790	5000	96	90 - 110	P	10/04/2024	16:27	LB132811
	Nickel	2410	2500	96	90 - 110	P	10/04/2024	16:27	LB132811
	Selenium	5160	5000	103	90 - 110	P	10/04/2024	16:27	LB132811
	Silver	1200	1250	96	90 - 110	P	10/04/2024	16:27	LB132811
	Zinc	2440	2500	98	90 - 110	P	10/04/2024	16:27	LB132811



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Metals

- 2b -

CRDL STANDARD FOR AA & ICP

Client: Roman E&G Corp **SDG No.:** P4258
Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258
Initial Calibration Source: _____
Continuing Calibration Source: _____

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRA	Mercury	0.24	0.2	119	40 - 160	CV	10/04/2024	11:06	LB132761
CRI01	Arsenic	22.1	20.0	110	40 - 160	P	10/04/2024	11:21	LB132811
	Barium	106	100	106	40 - 160	P	10/04/2024	11:21	LB132811
	Cadmium	6.50	6.0	108	40 - 160	P	10/04/2024	11:21	LB132811
	Chromium	11.1	10.0	111	40 - 160	P	10/04/2024	11:21	LB132811
	Copper	22.9	20.0	115	40 - 160	P	10/04/2024	11:21	LB132811
	Lead	15.1	12.0	126	40 - 160	P	10/04/2024	11:21	LB132811
	Nickel	41.2	40.0	103	40 - 160	P	10/04/2024	11:21	LB132811
	Selenium	19.7	20.0	98	40 - 160	P	10/04/2024	11:21	LB132811
	Silver	12.8	10.0	128	40 - 160	P	10/04/2024	11:21	LB132811
	Zinc	44.6	40.0	112	40 - 160	P	10/04/2024	11:21	LB132811

Metals
- 4 -
INTERFERENCE CHECK SAMPLE

Client: Roman E&G Corp **SDG No.:** P4258
Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258
ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Arsenic	-2.14			-20	20	10/04/2024	11:28	LB132811
	Barium	4.37	6.0	73	-94	106	10/04/2024	11:28	LB132811
	Cadmium	3.58	1.0	358	-5	7	10/04/2024	11:28	LB132811
	Chromium	54.2	52.0	104	42	62	10/04/2024	11:28	LB132811
	Copper	-2.85	2.0	142	-18	22	10/04/2024	11:28	LB132811
	Lead	10.9			-12	12	10/04/2024	11:28	LB132811
	Nickel	3.33	2.0	166	-38	42	10/04/2024	11:28	LB132811
	Selenium	-9.22			-20	20	10/04/2024	11:28	LB132811
	Silver	-6.15			-10	10	10/04/2024	11:28	LB132811
	Zinc	3.70			-40	40	10/04/2024	11:28	LB132811
ICSAB01	Arsenic	103	104	99	88.4	120	10/04/2024	11:34	LB132811
	Barium	540	537	101	437	637	10/04/2024	11:34	LB132811
	Cadmium	977	972	100	826	1120	10/04/2024	11:34	LB132811
	Chromium	566	542	104	460	624	10/04/2024	11:34	LB132811
	Copper	509	511	100	434	588	10/04/2024	11:34	LB132811
	Lead	59.5	49.0	121	37	61	10/04/2024	11:34	LB132811
	Nickel	1030	954	108	810	1100	10/04/2024	11:34	LB132811
	Selenium	41.7	46.0	91	26	66	10/04/2024	11:34	LB132811
	Silver	221	201	110	170	232	10/04/2024	11:34	LB132811
	Zinc	885	952	93	809	1095	10/04/2024	11:34	LB132811



METAL QC DATA

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>Roman E&G Corp</u>	level: <u>low</u>	sdg no.: <u>P4258</u>
contract: <u>ROMA02</u>	lab code: <u>CHEM</u>	case no.: <u>P4258</u> sas no.: <u>P4258</u>
matrix: <u>Water</u>	sample id: <u>P4276-02</u>	client id: <u>VNJ-208MS</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>P4276-02MS</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	75 - 125	4140		100	U	4000	104		P
Barium	ug/L	75 - 125	5600		4480		1000	112		P
Cadmium	ug/L	75 - 125	971		5.48	J	1000	97		P
Chromium	ug/L	75 - 125	2040		16.2	J	2000	101		P
Copper	ug/L	75 - 125	1650		125		1500	102		P
Lead	ug/L	75 - 125	4650		60.0	U	5000	93		P
Mercury	ug/L	75 - 125	44.4		2.00	U	40.0	111		CV
Nickel	ug/L	75 - 125	2580		22.9	J	2500	102		P
Selenium	ug/L	75 - 125	10500		100	U	10000	105		P
Silver	ug/L	75 - 125	415		50.0	U	380	109		P
Zinc	ug/L	75 - 125	2330		1230		1000	110		P

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: <u>Roman E&G Corp</u>	level: <u>low</u>	sdg no.: <u>P4258</u>
contract: <u>ROMA02</u>	lab code: <u>CHEM</u>	case no.: <u>P4258</u> sas no.: <u>P4258</u>
matrix: <u>Water</u>	sample id: <u>P4276-02</u>	client id: <u>VNJ-208MSD</u>
Percent Solids for Sample: <u>NA</u>	Spiked ID: <u>P4276-02MSD</u>	Percent Solids for Spike Sample: <u>NA</u>

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Arsenic	ug/L	75 - 125	4080		100	U	4000	102		P
Barium	ug/L	75 - 125	5500		4480		1000	102		P
Cadmium	ug/L	75 - 125	947		5.48	J	1000	94		P
Chromium	ug/L	75 - 125	2020		16.2	J	2000	100		P
Copper	ug/L	75 - 125	1600		125		1500	98		P
Lead	ug/L	75 - 125	4540		60.0	U	5000	91		P
Mercury	ug/L	75 - 125	43.7		2.00	U	40.0	109		CV
Nickel	ug/L	75 - 125	2520		22.9	J	2500	100		P
Selenium	ug/L	75 - 125	10400		100	U	10000	104		P
Silver	ug/L	75 - 125	418		50.0	U	380	110		P
Zinc	ug/L	75 - 125	2340		1230		1000	111		P

Metals
- 5b -

Client: Roman E&G Corp **SDG No.:** P4258
Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258
Matrix: **Level:** LOW **Client ID:**
Sample ID: **Spiked ID:**

Analyte	Units	Acceptance Limit %R	C	Sample Result	C	Spike Added	% Recovery	Qual	M
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Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Roman E&G Corp **Level:** LOW **SDG No.:** P4258
Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258
Matrix: Water **Sample ID:** P4276-02 **Client ID:** VNJ-208DUP
Percent Solids for Sample: NA **Duplicate ID** P4276-02DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	100	U	100	U			P
Barium	ug/L	20	4480		4430		1		P
Cadmium	ug/L	20	5.48	J	5.39	J	2		P
Chromium	ug/L	20	16.2	J	16.0	J	1		P
Copper	ug/L	20	125		121		3		P
Lead	ug/L	20	60.0	U	60.0	U			P
Mercury	ug/L	20	2.00	U	0.88	J	200.0		CV
Nickel	ug/L	20	22.9	J	22.2	J	3		P
Selenium	ug/L	20	100	U	100	U			P
Silver	ug/L	20	50.0	U	50.0	U			P
Zinc	ug/L	20	1230		1220		1		P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Roman E&G Corp **Level:** LOW **SDG No.:** P4258
Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258
Matrix: Water **Sample ID:** P4276-02MS **Client ID:** VNJ-208MSD
Percent Solids for Sample: NA **Duplicate ID** P4276-02MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Arsenic	ug/L	20	4140		4080		1		P
Barium	ug/L	20	5600		5500		2		P
Cadmium	ug/L	20	971		947		3		P
Chromium	ug/L	20	2040		2020		1		P
Copper	ug/L	20	1650		1600		3		P
Lead	ug/L	20	4650		4540		2		P
Mercury	ug/L	20	44.4		43.7		2		CV
Nickel	ug/L	20	2580		2520		2		P
Selenium	ug/L	20	10500		10400		1		P
Silver	ug/L	20	415		418		1		P
Zinc	ug/L	20	2330		2340		0		P

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: Roman E&G Corp

SDG No.: P4258

Contract: ROMA02

Lab Code: CHEM

Case No.: P4258

SAS No.: P4258

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB163879BS Mercury	ug/L	4.0	4.07		102	80 - 120	CV

Metals

- 7 -

LABORATORY CONTROL SAMPLE SUMMARY

Client: Roman E&G Corp **SDG No.:** P4258
Contract: ROMA02 **Lab Code:** CHEM **Case No.:** P4258 **SAS No.:** P4258

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB163885BS							
Arsenic	ug/L	4000	4020		100	80 - 120	P
Barium	ug/L	1000	1080		108	80 - 120	P
Cadmium	ug/L	1000	986		99	80 - 120	P
Chromium	ug/L	2000	2100		105	80 - 120	P
Copper	ug/L	1500	1680		112	80 - 120	P
Lead	ug/L	5000	5000		100	80 - 120	P
Nickel	ug/L	2500	2670		107	80 - 120	P
Selenium	ug/L	10000	10200		102	80 - 120	P
Silver	ug/L	380	405		107	80 - 120	P
Zinc	ug/L	1000	1110		111	80 - 120	P

Metals
-9 -
ICP SERIAL DILUTIONS

SAMPLE NO.

VNJ-208L

Lab Name: Chemtech Consulting Group

Contract: ROMA02

Lab Code: CHEM **Lb No.:** lb132811 **Lab Sample ID :** P4276-02L **SDG No.:** P4258

Matrix (soil/water): Water **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Difference	Q	M
		C		C			
Arsenic	100	U	500	U			P
Barium	4480		4140		8		P
Cadmium	5.48	J	5.84	J	7		P
Chromium	16.2	J	250	U	100.0		P
Copper	125		500	U	100.0		P
Lead	60.0	U	300	U			P
Mercury	2.00	U	10.0	U			CV
Nickel	22.9	J	1000	U	100.0		P
Selenium	100	U	500	U			P
Silver	50.0	U	250	U			P
Zinc	1230		1140		7		P

metals
- 14 -
ANALYSIS RUN LOG

Client: Roman E&G Corp **Contract:** ROMA02

Lab code: CHEM **Case no.:** P4258 **Sas no.:** P4258 **Sdg no.:** P4258

Instrument id number: **Method:** **Run number:** LB132761

Start date: 10/04/2024 **End date:** 10/04/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1034	HG
S0.2	S0.2	1	1036	HG
S2.5	S2.5	1	1039	HG
S5	S5	1	1041	HG
S7.5	S7.5	1	1043	HG
S10	S10	1	1052	HG
ICV24	ICV24	1	1055	HG
ICB24	ICB24	1	1059	HG
CCV71	CCV71	1	1102	HG
CCB71	CCB71	1	1104	HG
CRA	CRA	1	1106	HG
PB163879BL	PB163879BL	1	1113	HG
PB163879BS	PB163879BS	1	1118	HG
P4258-04	Chamberlain Ave	1	1128	HG
CCV72	CCV72	1	1135	HG
CCB72	CCB72	1	1138	HG
P4276-02DUP	VNJ-208DUP	1	1146	HG
P4276-02MS	VNJ-208MS	1	1148	HG
P4276-02MSD	VNJ-208MSD	1	1150	HG
PB163851TB	PB163851TB	1	1155	HG
P4276-02L	VNJ-208L	5	1157	HG
CCV73	CCV73	1	1201	HG
CCB73	CCB73	1	1204	HG

metals
- 14 -
ANALYSIS RUN LOG

Client: Roman E&G Corp **Contract:** ROMA02

Lab code: CHEM **Case no.:** P4258 **Sas no.:** P4258 **Sdg no.:** P4258

Instrument id number: **Method:** **Run number:** LB132811

Start date: 10/04/2024 **End date:** 10/04/2024

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1020	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
S1	S1	1	1024	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
S2	S2	1	1028	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
S3	S3	1	1033	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
S4	S4	1	1037	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
S5	S5	1	1041	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICV01	ICV01	1	1045	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
LLICV01	LLICV01	1	1059	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICB01	ICB01	1	1106	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CRI01	CRI01	1	1121	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICSA01	ICSA01	1	1128	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
ICSAB01	ICSAB01	1	1134	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV01	CCV01	1	1139	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB01	CCB01	1	1143	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
P4258-04	Chamberlain Ave	1	1206	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
P4276-02DUP	VNJ-208DUP	1	1220	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV02	CCV02	1	1233	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB02	CCB02	1	1237	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
P4276-02L	VNJ-208L	5	1309	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
P4276-02MS	VNJ-208MS	1	1313	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
P4276-02MSD	VNJ-208MSD	1	1317	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
PB163885BL	PB163885BL	1	1332	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
PB163885BS	PB163885BS	1	1336	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
PB163851TB	PB163851TB	1	1343	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV03	CCV03	1	1347	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB03	CCB03	1	1351	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV04	CCV04	1	1500	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB04	CCB04	1	1505	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV05	CCV05	1	1608	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB05	CCB05	1	1612	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCV06	CCV06	1	1627	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn
CCB06	CCB06	1	1631	Ag,As,Ba,Cd,Cr,Cu,Ni,Pb,Se,Zn



METAL PREPARATION & INSTRUMENT DATA

Metals

- 11 -

ICP INTERELEMEN CORRECTION FACTORS

Client: Roman E&G Corp

SDG No.: P4258

Contract: ROMA02

Lab Code: CHEM

Case No.: P4258

SAS No.: P4258

Instrument ID: _____

Date: _____

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement Correction Factors For:				
		Al	Ca	Fe	Mg	Ag
Arsenic	193.759	0.0000000	0.0000000	-0.0000440	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000930	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0007850	0.0000000	0.0000000
Lead	220.353	-0.0000920	0.0000000	0.0000380	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	-0.0001440	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	-0.0001490	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0001050	0.0000000	0.0000000

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Roman E&G Corp

SDG No.: P4258

Contract: ROMA02

Lab Code: CHEM

Case No.: P4258

SAS No.: P4258

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		As	Ba	Be	Cd	Co
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0002870
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0009530
Lead	220.353	0.0000000	0.0003170	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	-0.0003570
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Roman E&G Corp

SDG No.: P4258

Contract: ROMA02

Lab Code: CHEM

Case No.: P4258

SAS No.: P4258

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Cr	Cu	K	Mn	Mo
Arsenic	193.759	-0.0029000	0.0000000	0.0000000	0.0000000	0.0004900
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000070	0.0002200	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0006510	0.0020500
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0001400	-0.0008600
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0007460	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000120
Zinc	213.800	0.0000000	0.0009010	0.0000000	0.0000000	0.0000000

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Roman E&G Corp

SDG No.: P4258

Contract: ROMA02

Lab Code: CHEM

Case No.: P4258

SAS No.: P4258

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Na	Ni	Pb	Sb	Se
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	-0.0047000	0.0036100	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0006580	0.0000000	0.0000000	0.0001290
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0003330	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0067600	0.0000000	0.0000000	0.0000000

Metals

- 11 -

ICP INTERELEMENT CORRECTION FACTORS

Client: Roman E&G Corp

SDG No.: P4258

Contract: ROMA02

Lab Code: CHEM

Case No.: P4258

SAS No.: P4258

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Sn	Ti	Tl	V	Zn
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000630	0.0001280	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0001110	0.0000000
Copper	224.700	0.0000000	0.0003840	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	-0.0003610	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.090	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	-0.0007420	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

LAB CHRONICLE

OrderID:	P4258	OrderDate:	10/1/2024 1:21:00 PM
Client:	Roman E&G Corp	Project:	Perth Amboy
Contact:	Mark Mattheiss	Location:	H11,H51,K11,K21

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4258-03	Chamberlain Ave	SOIL			10/01/24			10/01/24
			Mercury	7471B		10/11/24	10/14/24	
			Metals ICP-TAL	6010D		10/11/24	10/14/24	
P4258-04	Chamberlain Ave	TCLP			10/01/24			10/01/24
			TCLP Mercury	7470A		10/03/24	10/04/24	
			TCLP Metals + Cu+Ni+Zn	6010D		10/03/24	10/04/24	



METAL PREPARATION & ANALYICAL SUMMARY

Metals

- 13 -

SAMPLE PREPARATION SUMMARY

Client:	<u>Roman E&G Corp</u>	SDG No.:	<u>P4258</u>
Contract:	<u>ROMA02</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>P4258</u>
		SAS No.:	<u>P4258</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB163879							
P4258-04	Chamberlain Ave	SAM	WATER	10/03/2024	3.0	30.0	
P4276-02DUP	VNJ-208DUP	DUP	WATER	10/03/2024	3.0	30.0	
P4276-02MS	VNJ-208MS	MS	WATER	10/03/2024	3.0	30.0	
P4276-02MSD	VNJ-208MSD	MSD	WATER	10/03/2024	3.0	30.0	
PB163851TB	PB163851TB	MB	WATER	10/03/2024	3.0	30.0	
PB163879BL	PB163879BL	MB	WATER	10/03/2024	30.0	30.0	
PB163879BS	PB163879BS	LCS	WATER	10/03/2024	30.0	30.0	

Metals

- 13 -

SAMPLE PREPARATION SUMMARY

Client:	<u>Roman E&G Corp</u>	SDG No.:	<u>P4258</u>
Contract:	<u>ROMA02</u>	Lab Code:	<u>CHEM</u>
		Method:	<u></u>
		Case No.:	<u>P4258</u>
		SAS No.:	<u>P4258</u>

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB163885							
P4258-04	Chamberlain Ave	SAM	WATER	10/03/2024	5.0	25.0	
P4276-02DUP	VNJ-208DUP	DUP	WATER	10/03/2024	5.0	25.0	
P4276-02MS	VNJ-208MS	MS	WATER	10/03/2024	5.0	25.0	
P4276-02MSD	VNJ-208MSD	MSD	WATER	10/03/2024	5.0	25.0	
PB163851TB	PB163851TB	MB	WATER	10/03/2024	5.0	25.0	
PB163885BL	PB163885BL	MB	WATER	10/03/2024	5.0	25.0	
PB163885BS	PB163885BS	LCS	WATER	10/03/2024	5.0	25.0	

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB132761

Review By	jaswal	Review On	10/4/2024 9:37:00 PM
Supervise By	mohan	Supervise On	10/4/2024 9:37:52 PM
STD. NAME	STD REF.#		
ICAL Standard	MP82656,MP82657,MP82658,MP82659,MP82660,MP82661		
ICV Standard	MP82662		
CCV Standard	MP82665		
ICSA Standard			
CRI Standard	MP82693		
LCS Standard			
Chk Standard	MP82663,MP82666,MP82674,MP82691		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	10/04/24 10:34		Mohan	OK
2	S0.2	S0.2	CAL2	10/04/24 10:36		Mohan	OK
3	S2.5	S2.5	CAL3	10/04/24 10:39		Mohan	OK
4	S5	S5	CAL4	10/04/24 10:41		Mohan	OK
5	S7.5	S7.5	CAL5	10/04/24 10:43		Mohan	OK
6	S10	S10	CAL6	10/04/24 10:52		Mohan	OK
7	ICV24	ICV24	ICV	10/04/24 10:55		Mohan	OK
8	ICB24	ICB24	ICB	10/04/24 10:59		Mohan	OK
9	CCV71	CCV71	CCV	10/04/24 11:02		Mohan	OK
10	CCB71	CCB71	CCB	10/04/24 11:04		Mohan	OK
11	CRA	CRA	CRDL	10/04/24 11:06		Mohan	OK
12	HighStd	HighStd	HIGH STD	10/04/24 11:09		Mohan	OK
13	ChkStd	ChkStd	SAM	10/04/24 11:11		Mohan	OK
14	PB163879BL	PB163879BL	MB	10/04/24 11:13		Mohan	OK
15	PB163879BS	PB163879BS	LCS	10/04/24 11:18		Mohan	OK
16	P4242-04	TP-Q	SAM	10/04/24 11:20		Mohan	OK
17	P4254-04	MH-147-SLUDGE	SAM	10/04/24 11:26		Mohan	OK
18	P4258-04	Chamberlain Ave	SAM	10/04/24 11:28		Mohan	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB132761

Review By	jaswal	Review On	10/4/2024 9:37:00 PM
Supervise By	mohan	Supervise On	10/4/2024 9:37:52 PM
STD. NAME	STD REF.#		
ICAL Standard	MP82656,MP82657,MP82658,MP82659,MP82660,MP82661		
ICV Standard	MP82662		
CCV Standard	MP82665		
ICSA Standard			
CRI Standard	MP82693		
LCS Standard			
Chk Standard	MP82663,MP82666,MP82674,MP82691		

19	P4270-04	IB-2	SAM	10/04/24 11:31		Mohan	OK
20	P4276-02	VNJ-208	SAM	10/04/24 11:33		Mohan	OK
21	CCV72	CCV72	CCV	10/04/24 11:35		Mohan	OK
22	CCB72	CCB72	CCB	10/04/24 11:38		Mohan	OK
23	P4276-02DUP	VNJ-208DUP	DUP	10/04/24 11:46		Mohan	OK
24	P4276-02MS	VNJ-208MS	MS	10/04/24 11:48		Mohan	OK
25	P4276-02MSD	VNJ-208MSD	MSD	10/04/24 11:50		Mohan	OK
26	PB163851TB	PB163851TB	MB	10/04/24 11:55		Mohan	OK
27	P4276-02L	VNJ-208L	SD	10/04/24 11:57		Mohan	OK
28	P4276-02A	VNJ-208A	PS	10/04/24 11:59		Mohan	OK
29	CCV73	CCV73	CCV	10/04/24 12:01		Mohan	OK
30	CCB73	CCB73	CCB	10/04/24 12:04		Mohan	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB132811

Review By	kareem	Review On	10/7/2024 6:28:26 PM
Supervise By	jaswal	Supervise On	10/7/2024 11:32:57 PM
STD. NAME	STD REF.#		
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82712		
ICV Standard	MP82485		
CCV Standard	MP82488		
ICSA Standard	MP82486,MP82487		
CRI Standard	MP82712		
LCS Standard			
Chk Standard	MP82491,MP82492		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	10/04/24 10:20		Kareem	OK
2	S1	S1	CAL2	10/04/24 10:24		Kareem	OK
3	S2	S2	CAL3	10/04/24 10:28		Kareem	OK
4	S3	S3	CAL4	10/04/24 10:33		Kareem	OK
5	S4	S4	CAL5	10/04/24 10:37		Kareem	OK
6	S5	S5	CAL6	10/04/24 10:41		Kareem	OK
7	ICV01	ICV01	ICV	10/04/24 10:45		Kareem	OK
8	LLICV01	LLICV01	LLICV	10/04/24 10:59		Kareem	OK
9	ICB01	ICB01	ICB	10/04/24 11:06		Kareem	OK
10	CRI01	CRI01	CRDL	10/04/24 11:21		Kareem	OK
11	ICSA01	ICSA01	ICSA	10/04/24 11:28		Kareem	OK
12	ICSAB01	ICSAB01	ICSAB	10/04/24 11:34		Kareem	OK
13	CCV01	CCV01	CCV	10/04/24 11:39		Kareem	OK
14	CCB01	CCB01	CCB	10/04/24 11:43		Kareem	OK
15	LR1	LR1	HIGH STD	10/04/24 11:48		Kareem	OK
16	LR2	LR2	HIGH STD	10/04/24 11:53		Kareem	OK
17	P4242-04	TP-Q	SAM	10/04/24 11:58	Confirm	Kareem	OK
18	P4254-04	MH-147-SLUDGE	SAM	10/04/24 12:02		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB132811

Review By	kareem	Review On	10/7/2024 6:28:26 PM
Supervise By	jaswal	Supervise On	10/7/2024 11:32:57 PM
STD. NAME	STD REF.#		
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82712		
ICV Standard	MP82485		
CCV Standard	MP82488		
ICSA Standard	MP82486,MP82487		
CRI Standard	MP82712		
LCS Standard			
Chk Standard	MP82491,MP82492		

19	P4258-04	Chamberlain Ave	SAM	10/04/24 12:06		Kareem	OK
20	P4270-04	IB-2	SAM	10/04/24 12:11		Kareem	OK
21	P4276-02	VNJ-208	SAM	10/04/24 12:15		Kareem	OK
22	P4276-02DUP	VNJ-208DUP	DUP	10/04/24 12:20		Kareem	OK
23	CCV02	CCV02	CCV	10/04/24 12:33		Kareem	OK
24	CCB02	CCB02	CCB	10/04/24 12:37		Kareem	OK
25	P4276-02L	VNJ-208L	SD	10/04/24 13:09		Kareem	OK
26	P4276-02MS	VNJ-208MS	MS	10/04/24 13:13	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF SAMPLE	Kareem	OK
27	P4276-02MSD	VNJ-208MSD	MSD	10/04/24 13:17	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF SAMPLE	Kareem	OK
28	P4276-02A	VNJ-208A	PS	10/04/24 13:22	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF SAMPLE	Kareem	OK
29	PB163885BL	PB163885BL	MB	10/04/24 13:32		Kareem	OK
30	PB163885BS	PB163885BS	LCS	10/04/24 13:36	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF SAMPLE	Kareem	OK
31	PB163851TB	PB163851TB	MB	10/04/24 13:43		Kareem	OK
32	CCV03	CCV03	CCV	10/04/24 13:47		Kareem	OK
33	CCB03	CCB03	CCB	10/04/24 13:51		Kareem	OK
34	P4149-01	S2-1	SAM	10/04/24 14:40		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB132811

Review By	kareem	Review On	10/7/2024 6:28:26 PM
Supervise By	jaswal	Supervise On	10/7/2024 11:32:57 PM
STD. NAME	STD REF.#		
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82712		
ICV Standard	MP82485		
CCV Standard	MP82488		
ICSA Standard	MP82486,MP82487		
CRI Standard	MP82712		
LCS Standard			
Chk Standard	MP82491,MP82492		

35	P4149-02	S2-2	SAM	10/04/24 14:44		Kareem	OK
36	P4149-03	S2-3	SAM	10/04/24 14:48		Kareem	OK
37	P4149-04	S2-4	SAM	10/04/24 14:52		Kareem	OK
38	P4285-01	OILY-DEBRIS-DRUM	SAM	10/04/24 14:56		Kareem	OK
39	CCV04	CCV04	CCV	10/04/24 15:00		Kareem	OK
40	CCB04	CCB04	CCB	10/04/24 15:05		Kareem	OK
41	P4288-01	HR-02-100324	SAM	10/04/24 15:09		Kareem	OK
42	P4288-03	HR-03-100324	SAM	10/04/24 15:13		Kareem	OK
43	P4290-01	IB-4	SAM	10/04/24 15:17		Kareem	OK
44	P4290-01DUP	IB-4DUP	DUP	10/04/24 15:29		Kareem	OK
45	P4290-01L	IB-4L	SD	10/04/24 15:33		Kareem	OK
46	P4290-01MS	IB-4MS	MS	10/04/24 15:37	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF SAMPLE	Kareem	OK
47	P4290-01MSD	IB-4MSD	MSD	10/04/24 15:41	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF SAMPLE	Kareem	OK
48	P4290-01A	IB-4A	PS	10/04/24 15:45	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF SAMPLE	Kareem	OK
49	PB163906BS	PB163906BS	LCS	10/04/24 15:49	0.1ML OF M6010 AND M6001 WERE ADDED TO 10ML OF SAMPLE	Kareem	OK
50	PB163906BL	PB163906BL	MB	10/04/24 15:53		Kareem	OK

Instrument ID: P4

Daily Analysis Runlog For Sequence/QC Batch ID # LB132811

Review By	kareem	Review On	10/7/2024 6:28:26 PM
Supervise By	jaswal	Supervise On	10/7/2024 11:32:57 PM
STD. NAME	STD REF.#		
ICAL Standard	MP82441,MP82476,MP82477,MP82478,MP82479,MP82712		
ICV Standard	MP82485		
CCV Standard	MP82488		
ICSA Standard	MP82486,MP82487		
CRI Standard	MP82712		
LCS Standard			
Chk Standard	MP82491,MP82492		

51	CCV05	CCV05	CCV	10/04/24 16:08		Kareem	OK
52	CCB05	CCB05	CCB	10/04/24 16:12		Kareem	OK
53	P4269-02	COMP	SAM	10/04/24 16:18		Kareem	OK
54	P4286-01	Water Treatment Disc	SAM	10/04/24 16:22		Kareem	OK
55	CCV06	CCV06	CCV	10/04/24 16:27		Kareem	OK
56	CCB06	CCB06	CCB	10/04/24 16:31		Kareem	OK

SOP ID : M7470A-Mercury-19

SDG No : NA

Matrix : WATER

Pipette ID: HG A

Balance ID : N/A

Filter paper ID : NA

pH Strip ID : M4909

Hood ID : #1

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

Start Digest Date: 10/03/2024 Time : 12:20 Temp : 94 °C

End Digest Date: 10/03/2024 Time : 14:20 Temp : 95 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature:

Supervisor Signature:

Temp : 1. 94°C 2. N/A

Standard Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP82662
CCV	30mL	MP82665
CRA	30mL	MP82673
Blank Spike	0.48mL	MP82655
Matrix Spike	0.48mL	MP82655

Chemical Used	ML/SAMPLE USED	Lot Number
HNO3/H2SO4(1:2)	2.5mL	MP82651
KMnO4 (5%)	4.5mL	MP82652
K2S2O8 (5%)	2.5mL	MP82653
HNO3/H2SO4(1:2)	2.0mL	MP82654
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	MP82656
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP82657
2.5 ppb	S2.5	30mL	MP82658
5.0 ppb	S5.0	30mL	MP82659
7.5 ppb	S7.5	30mL	MP82660
10.0 ppb	S10.0	30mL	MP82661
ICV	ICV	30mL	MP82662
ICB	ICB	30mL	MP82663
CCV	CCV	30mL	MP82665
CCB	CCB	30mL	MP82666
CRI	CRI	30mL	MP82673
CHK STD	CHK STD	30mL	MP82674

Extraction Conformance/Non-Conformance Comments:

N/A		
Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/3/24 @ 15:10	mg - Dr. L. S.	mg - Dr. L. S.
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Comment	Prep Pos
P4242-04	TP-Q	3	30	<2	N/A	3-1
P4254-04	MH-147-SLUDGE	3	30	<2	N/A	2
P4258-04	CHAMBERLAIN AVE	3	30	<2	N/A	3
P4270-04	IB-2	3	30	<2	N/A	4
P4276-02	VNJ-208	3	30	<2	N/A	5
P4276-02DUP	VNJ-208DUP	3	30	<2	N/A	6
P4276-02MS	VNJ-208MS	3	30	<2	MP82655	7
P4276-02MSD	VNJ-208MSD	3	30	<2	MP82655	8
PB163851TB	PB163851TB	3	30	<2	N/A	9
PB163879BL	PBW879	30	30	<2	N/A	10
PB163879BS	LCS879	30	30	<2	MP82655	11

SOP ID : M3010A-Digestion-17

SDG No : N/A

Matrix : WATER

Pipette ID: ICP A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #3

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

Start Digest Date: 10/03/2024 Time : 13:30 Temp : 96 °C

End Digest Date: 10/03/2024 Time : 15:40 Temp : 96 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: *JGP*

Supervisor Signature: *[Signature]*

Temp : 1. 96°C 2. N/A

Standard Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6000
LFS-2	0.25	M6009
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
Conc. HNO3	3.00	M6037
1:1 HCL	5.00	MP82127
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 #1 CELL #34 : 96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/3/24 15:45	<i>JGP / Met digestion</i>	<i>SG (m lads 128)</i>
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
P4242-04	TP-Q	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	1
P4254-04	MH-147-SLUDGE	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	2
P4258-04	CHAMBERLAIN AVE	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	3
P4270-04	IB-2	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	4
P4276-02	VNJ-208	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	5
P4276-02DUP	VNJ-208DUP	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	6
P4276-02MS	VNJ-208MS	<2	5	25	Colorless	Colorless	Clear	Clear	M6000,M6009	7
P4276-02MSD	VNJ-208MSD	<2	5	25	Colorless	Colorless	Clear	Clear	M6000,M6009	8
PB163851TB	PB163851TB	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	9
PB163885BL	PBW885	<2	5	25	Colorless	Colorless	Clear	Clear	N/A	10
PB163885BS	LCS885	<2	5	25	Colorless	Colorless	Clear	Clear	M6000,M6009	11

SOP ID : M1311-TCLP-14		
SDG No : N/A	Start Prep Date : 10/02/2024	Time : 17:35
Weigh By : JP	End Prep Date : 10/03/2024	Time : 10:25
Balance ID : WC SC-4	Combination Ratio : 20	
pH Meter ID : WC PH METER-1	ZHE Cleaning Batch : N/A	
Extraction By : JP	Initial Room Temperature: 23 °C	
Filter By : JP	Final Room Temperature: 22 °C	
Pipette ID : WC	TCLP Technician Signature : 	
Tumbler ID : T-1	Supervisor By : 	
TCLP Filter ID : 114771		

Standardized Name	MLS USED	STD REF. # FROM LOG
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

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP108622
HCL-TCLP,1N	N/A	WP108584
HNO3-TCLP,1N	N/A	WP108585
pH Strips	N/A	W1931,W1934,W2350,W2755
pH Strips	N/A	W1937,W1938,W1939,W1940,W1941,W1942
1 Liter Amber	N/A	23091
120ml Plastic bottle	N/A	21029
1:1 HNO3	MP81119	N/A

Extraction Conformance/Non-Conformance Comments:

Matrix spikes are added after fiftation and before preservation. TUMBLER T-1 checked,30 rpm. p4276-02 is used for MS-MSD Particle size reduction is not required.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/03/24 11:00	 / TCLP Room	 1541
	Preparation Group	Analysis Group 

Sample ID	ClientID	TCLP Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
P4242-04	TP-Q	01	100.02	2000	N/A	N/A	N/A	5.6	1.5	T-1
P4254-04	MH-147-SLUDGE	02	100.03	2000	N/A	N/A	N/A	4.0	1.0	T-1
P4258-04	Chamberlain Ave	03	100.04	2000	N/A	N/A	N/A	5.6	1.5	T-1
P4270-04	IB-2	04	100.02	2000	N/A	N/A	N/A	5.8	1.0	T-1
P4276-02	VNJ-208	05	100.03	2000	N/A	N/A	N/A	7.2	1.5	T-1
PB163851TB	LEB851	06	N/A	2000	N/A	N/A	N/A	4.94	1.0	T-1

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
P4242-04	TP-Q	N/A	N/A	N/A	N/A	100	N/A
P4254-04	MH-147-SLUDGE	N/A	N/A	N/A	N/A	100	N/A
P4258-04	Chamberlain Ave	N/A	N/A	N/A	N/A	100	N/A
P4270-04	IB-2	N/A	N/A	N/A	N/A	100	N/A
P4276-02	VNJ-208	N/A	N/A	N/A	N/A	100	N/A
PB163851TB	LEB851	N/A	N/A	N/A	N/A	N/A	N/A

Hot Block ID : WC S-1 /WC S-2

Thermometer ID : FLASHPOINT

SampleID	ClientID	Sample Weight (g)	Volume DI Water (mL)	PH after 5 min stir	PH after 10 min stir	Extraction Fluid 1 or 2	pH Extraction Fluid
P4242-04	TP-Q	5.02	96.5	7.6	2.0	#1	4.93
P4254-04	MH-147-SLUDGE	5.01	96.5	6.6	1.5	#1	4.93
P4258-04	Chamberlain Ave	5.03	96.5	7.6	2.0	#1	4.93
P4270-04	IB-2	5.02	96.5	8.4	3.0	#1	4.93
P4276-02	VNJ-208	5.02	96.5	9.0	4.0	#1	4.93
PB163851TB	LEB851	N/A	N/A	N/A	N/A	#1	4.93