

Cover Page

Order ID : Q2393

Project ID : 190 Park Ave Hanover Twp NJ - PO 2556-001

Client : Union Paving & Construction Company

Lab Sample Number

Q2393-01
Q2393-02
Q2393-03
Q2393-04
Q2393-05
Q2393-06
Q2393-07
Q2393-08
Q2393-09
Q2393-10
Q2393-11
Q2393-12

Client Sample Number

PARK AVE -1
PARK AVE -1
PARK AVE -2
PARK AVE -2
PARK AVE -3
PARK AVE -3
PARK AVE -4
PARK AVE -4
PARK AVE -5
PARK AVE -5
PARK AVE -6
PARK AVE -6

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 7/2/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012



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

CASE NARRATIVE

Union Paving & Construction Company

Project Name: 190 Park Ave Hanover Twp NJ - PO 2556-001

Project # N/A

Order ID # Q2393

Test Name: Mercury, Metals ICP-TAL

A. Number of Samples and Date of Receipt:

12 Solid samples were received on 06/23/2025.

B. Parameters:

According to the Chain of Custody document, the following analyses were requested: Cyanide, Mercury, Metals ICP-TAL, PCB, Pesticide-TCL, pH, SVOC-TCL BNA -20 and VOC-TCL VOA-10. This data package contains results for Mercury, Metals ICP-TAL.

C. Analytical Techniques:

The analysis of Metals ICP-TAL was based on method 6010D, digestion based on method 3050 (soils). The analysis and digestion of Mercury was based on method 7471B.

D. QA/ QC Samples:

The Holding Times were met for all analysis.

The Blank Spike met requirements for all parameters.

The Duplicate (PARK AVE -6DUP) analysis met criteria for all parameters except for Antimony, Arsenic, Calcium, Chromium, Copper, Iron, Manganese, Nickel, Selenium and Silver due to sample matrix interference. The Duplicate (PARK AVE -6MSD) analysis met criteria for all parameters except for Calcium and Manganese due to matrix unknown interferences during digestion and very oily and viscous matrix of sample.

The Matrix Spike (PARK AVE -6MS) analysis met criteria for all parameters except for Antimony, Beryllium, Chromium, Copper, Nickel, Selenium, Silver, Sodium, Vanadium and Zinc due to matrix unknown interferences during digestion and very oily and viscous matrix of sample.

The Matrix Spike Duplicate (PARK AVE -6MSD) analysis met criteria for all parameters except for Antimony, Chromium, Cobalt, Copper, Nickel, Potassium, Selenium, Silver, Sodium, Vanadium and Zinc due to matrix unknown interferences during digestion and very oily and viscous matrix of sample.

The Blank analysis did not indicate the presence of lab contamination.

The Calibration met the requirements.

The Serial Dilution (PARK AVE -6L) met criteria for all parameters except for Aluminum, Calcium, Chromium, Copper, Iron, Magnesium and Manganese due to sample matrix interference.



E. Additional Comments:

The Post Digest Spike (PARK AVE -6A) analysis met criteria for all parameters except for Antimony, Beryllium, Chromium, Copper, Selenium, Silver, Sodium, Vanadium and Zinc due to unknown chemical interferences of matrix with the addition of spike amount after digestion and before analysis; matrix has suppression effect during addition of spike.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following “ Results Qualifiers” are used:

J	Indicates the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).
U	Indicates the analyte was analyzed for, but not detected.
ND	Indicates the analyte was analyzed for, but not detected
E	Indicates the reported value is estimated because of the presence of interference
M	Indicates Duplicate injection precision not met.
N	Indicates the spiked sample recovery is not within control limits.
S	Indicates the reported value was determined by the Method of Standard Addition (MSA).
*	Indicates that the duplicate analysis is not within control limits.
+	Indicates the correlation coefficient for the MSA is less than 0.995.
D	Indicates the reported value is from a secondary analysis with a dilution factor. The original analysis exceeded the calibration range.
M	Method qualifiers “P” for ICP instrument “PM” for ICP when Microwave Digestion is used “CV” for Manual Cold Vapor AA “AV” for automated Cold Vapor AA “CA” for MIDI-Distillation Spectrophotometric “AS” for Semi -Automated Spectrophotometric “C” for Manual Spectrophotometric “T” for Titrimetric “NR” for analyte not required to be analyzed
OR	Indicates the analyte’s concentration exceeds the calibrated range of the instrument for that specific analysis.
Q	Indicates the LCS did not meet the control limits requirements
H	Sample Analysis Out Of Hold Time

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2393

Completed

For thorough review, the report must have the following:

GENERAL:

Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)

✓

Check chain-of-custody for proper relinquish/return of samples

✓

Is the chain of custody signed and complete

✓

Check internal chain-of-custody for proper relinquish/return of samples /sample extracts

✓

Collect information for each project id from server. Were all requirements followed

✓

COVER PAGE:

Do numbers of samples correspond to the number of samples in the Chain of Custody on login page

✓

Do lab numbers and client Ids on cover page agree with the Chain of Custody

✓

CHAIN OF CUSTODY:

Do requested analyses on Chain of Custody agree with form I results

✓

Do requested analyses on Chain of Custody agree with the log-in page

✓

Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody

✓

Were the samples received within hold time

✓

Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle

✓

ANALYTICAL:

Was method requirement followed?

✓

Was client requirement followed?

✓

Does the case narrative summarize all QC failure?

✓

All runlogs and manual integration are reviewed for requirements

✓

All manual calculations and /or hand notations verified

✓

QA Review Signature: KETAN PATEL

Date: 07/02/2025

LAB CHRONICLE

OrderID:	Q2393	OrderDate:	6/23/2025 11:43:58 AM
Client:	Union Paving & Construction Company	Project:	190 Park Ave Hanover Twp NJ - PO 2556-001
Contact:	Gerard Busacco	Location:	A22,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2393-01	PARK AVE -1	SOIL			06/23/25			06/23/25
			Mercury	7471B		06/24/25	06/26/25	
			Metals ICP-TAL	6010D		06/24/25	06/27/25	
Q2393-03	PARK AVE -2	SOIL			06/23/25			06/23/25
			Mercury	7471B		06/24/25	06/26/25	
			Metals ICP-TAL	6010D		06/24/25	06/27/25	
Q2393-05	PARK AVE -3	SOIL			06/23/25			06/23/25
			Mercury	7471B		06/24/25	06/26/25	
			Metals ICP-TAL	6010D		06/24/25	06/27/25	
Q2393-07	PARK AVE -4	SOIL			06/23/25			06/23/25
			Mercury	7471B		06/24/25	06/26/25	
			Metals ICP-TAL	6010D		06/24/25	06/27/25	
Q2393-09	PARK AVE -5	SOIL			06/23/25			06/23/25
			Mercury	7471B		06/24/25	06/26/25	
			Metals ICP-TAL	6010D		06/24/25	06/27/25	
Q2393-11	PARK AVE -6	SOIL			06/23/25			06/23/25
			Mercury	7471B		06/24/25	06/26/25	
			Metals ICP-TAL	6010D		06/24/25	06/27/25	

Hit Summary Sheet
SW-846

SDG No.:	Q2393	Order ID:	Q2393
Client:	Union Paving & Construction Company	Project ID:	190 Park Ave Hanover Twp NJ - PO 2556-C

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : PARK AVE -1								
Q2393-01	PARK AVE -1	SOIL	Aluminum	11200	J	0.92	5.46	mg/Kg
Q2393-01	PARK AVE -1	SOIL	Antimony	1.60		0.24	2.73	mg/Kg
Q2393-01	PARK AVE -1	SOIL	Arsenic	8.14		0.21	1.09	mg/Kg
Q2393-01	PARK AVE -1	SOIL	Barium	76.0		0.80	5.46	mg/Kg
Q2393-01	PARK AVE -1	SOIL	Beryllium	1.02		0.027	0.33	mg/Kg
Q2393-01	PARK AVE -1	SOIL	Calcium	1310		12.1	109	mg/Kg
Q2393-01	PARK AVE -1	SOIL	Chromium	17.8		0.051	0.55	mg/Kg
Q2393-01	PARK AVE -1	SOIL	Cobalt	18.6		0.11	1.64	mg/Kg
Q2393-01	PARK AVE -1	SOIL	Copper	22.6		0.24	1.09	mg/Kg
Q2393-01	PARK AVE -1	SOIL	Iron	26200		4.35	5.46	mg/Kg
Q2393-01	PARK AVE -1	SOIL	Lead	15.2		0.14	0.66	mg/Kg
Q2393-01	PARK AVE -1	SOIL	Magnesium	4410		13.1	109	mg/Kg
Q2393-01	PARK AVE -1	SOIL	Manganese	527		0.15	1.09	mg/Kg
Q2393-01	PARK AVE -1	SOIL	Mercury	0.030		0.0090	0.016	mg/Kg
Q2393-01	PARK AVE -1	SOIL	Nickel	34.9		0.14	2.18	mg/Kg
Q2393-01	PARK AVE -1	SOIL	Potassium	720		30.2	109	mg/Kg
Q2393-01	PARK AVE -1	SOIL	Selenium	8.65		0.28	1.09	mg/Kg
Q2393-01	PARK AVE -1	SOIL	Silver	1.00		0.13	0.55	mg/Kg
Q2393-01	PARK AVE -1	SOIL	Sodium	281		19.4	109	mg/Kg
Q2393-01	PARK AVE -1	SOIL	Vanadium	32.0		0.27	2.18	mg/Kg
Q2393-01	PARK AVE -1	SOIL	Zinc	48.6		0.12	2.18	mg/Kg
Client ID : PARK AVE -2								
Q2393-03	PARK AVE -2	SOIL	Aluminum	10800	J	0.84	4.97	mg/Kg
Q2393-03	PARK AVE -2	SOIL	Antimony	1.42		0.22	2.48	mg/Kg
Q2393-03	PARK AVE -2	SOIL	Arsenic	7.60		0.19	0.99	mg/Kg
Q2393-03	PARK AVE -2	SOIL	Barium	85.4		0.73	4.97	mg/Kg
Q2393-03	PARK AVE -2	SOIL	Beryllium	0.96		0.025	0.30	mg/Kg
Q2393-03	PARK AVE -2	SOIL	Calcium	1080		11.0	99.4	mg/Kg
Q2393-03	PARK AVE -2	SOIL	Chromium	16.2		0.047	0.50	mg/Kg
Q2393-03	PARK AVE -2	SOIL	Cobalt	22.5		0.099	1.49	mg/Kg
Q2393-03	PARK AVE -2	SOIL	Copper	21.0		0.22	0.99	mg/Kg
Q2393-03	PARK AVE -2	SOIL	Iron	24600		3.97	4.97	mg/Kg
Q2393-03	PARK AVE -2	SOIL	Lead	15.3		0.13	0.60	mg/Kg
Q2393-03	PARK AVE -2	SOIL	Magnesium	4060		11.9	99.4	mg/Kg
Q2393-03	PARK AVE -2	SOIL	Manganese	736		0.14	0.99	mg/Kg
Q2393-03	PARK AVE -2	SOIL	Mercury	0.049		0.0080	0.014	mg/Kg
Q2393-03	PARK AVE -2	SOIL	Nickel	35.0		0.13	1.99	mg/Kg

Hit Summary Sheet
SW-846

SDG No.: Q2393

Order ID: Q2393

Client: Union Paving & Construction Company

Project ID: 190 Park Ave Hanover Twp NJ - PO 2556-C

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2393-03	PARK AVE -2	SOIL	Potassium	612		27.5	99.4	mg/Kg
Q2393-03	PARK AVE -2	SOIL	Selenium	8.05		0.26	0.99	mg/Kg
Q2393-03	PARK AVE -2	SOIL	Silver	0.82		0.12	0.50	mg/Kg
Q2393-03	PARK AVE -2	SOIL	Sodium	145		17.7	99.4	mg/Kg
Q2393-03	PARK AVE -2	SOIL	Vanadium	29.3		0.25	1.99	mg/Kg
Q2393-03	PARK AVE -2	SOIL	Zinc	47.7		0.11	1.99	mg/Kg

Client ID : PARK AVE -3

Q2393-05	PARK AVE -3	SOIL	Aluminum	9240		0.80	4.75	mg/Kg
Q2393-05	PARK AVE -3	SOIL	Antimony	1.65	J	0.21	2.38	mg/Kg
Q2393-05	PARK AVE -3	SOIL	Arsenic	4.23		0.18	0.95	mg/Kg
Q2393-05	PARK AVE -3	SOIL	Barium	49.9		0.69	4.75	mg/Kg
Q2393-05	PARK AVE -3	SOIL	Beryllium	0.81		0.024	0.28	mg/Kg
Q2393-05	PARK AVE -3	SOIL	Calcium	8350		10.6	95.0	mg/Kg
Q2393-05	PARK AVE -3	SOIL	Chromium	13.9		0.045	0.48	mg/Kg
Q2393-05	PARK AVE -3	SOIL	Cobalt	12.6		0.095	1.43	mg/Kg
Q2393-05	PARK AVE -3	SOIL	Copper	17.5		0.21	0.95	mg/Kg
Q2393-05	PARK AVE -3	SOIL	Iron	19900		3.79	4.75	mg/Kg
Q2393-05	PARK AVE -3	SOIL	Lead	14.1		0.12	0.57	mg/Kg
Q2393-05	PARK AVE -3	SOIL	Magnesium	2710		11.4	95.0	mg/Kg
Q2393-05	PARK AVE -3	SOIL	Manganese	339		0.13	0.95	mg/Kg
Q2393-05	PARK AVE -3	SOIL	Mercury	0.032		0.0090	0.016	mg/Kg
Q2393-05	PARK AVE -3	SOIL	Nickel	14.6		0.12	1.90	mg/Kg
Q2393-05	PARK AVE -3	SOIL	Potassium	699		26.3	95.0	mg/Kg
Q2393-05	PARK AVE -3	SOIL	Selenium	5.60		0.25	0.95	mg/Kg
Q2393-05	PARK AVE -3	SOIL	Silver	0.53		0.11	0.48	mg/Kg
Q2393-05	PARK AVE -3	SOIL	Sodium	190		16.9	95.0	mg/Kg
Q2393-05	PARK AVE -3	SOIL	Vanadium	37.8		0.24	1.90	mg/Kg
Q2393-05	PARK AVE -3	SOIL	Zinc	34.6		0.11	1.90	mg/Kg

Client ID : PARK AVE -4

Q2393-07	PARK AVE -4	SOIL	Aluminum	8920		0.79	4.67	mg/Kg
Q2393-07	PARK AVE -4	SOIL	Antimony	1.58	J	0.21	2.34	mg/Kg
Q2393-07	PARK AVE -4	SOIL	Arsenic	3.33		0.18	0.94	mg/Kg
Q2393-07	PARK AVE -4	SOIL	Barium	45.1		0.68	4.67	mg/Kg
Q2393-07	PARK AVE -4	SOIL	Beryllium	0.72		0.023	0.28	mg/Kg
Q2393-07	PARK AVE -4	SOIL	Calcium	5700		10.4	93.5	mg/Kg
Q2393-07	PARK AVE -4	SOIL	Chromium	11.7		0.044	0.47	mg/Kg
Q2393-07	PARK AVE -4	SOIL	Cobalt	11.3		0.093	1.40	mg/Kg
Q2393-07	PARK AVE -4	SOIL	Copper	15.8		0.21	0.94	mg/Kg
Q2393-07	PARK AVE -4	SOIL	Iron	17600		3.73	4.67	mg/Kg

Hit Summary Sheet
SW-846

SDG No.:	Q2393	Order ID:	Q2393
Client:	Union Paving & Construction Company	Project ID:	190 Park Ave Hanover Twp NJ - PO 2556-C

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2393-07	PARK AVE -4	SOIL	Lead	12.7		0.12	0.56	mg/Kg
Q2393-07	PARK AVE -4	SOIL	Magnesium	2220		11.2	93.5	mg/Kg
Q2393-07	PARK AVE -4	SOIL	Manganese	313		0.13	0.94	mg/Kg
Q2393-07	PARK AVE -4	SOIL	Mercury	0.039		0.0080	0.014	mg/Kg
Q2393-07	PARK AVE -4	SOIL	Nickel	13.8		0.12	1.87	mg/Kg
Q2393-07	PARK AVE -4	SOIL	Potassium	633		25.9	93.5	mg/Kg
Q2393-07	PARK AVE -4	SOIL	Selenium	4.83		0.24	0.94	mg/Kg
Q2393-07	PARK AVE -4	SOIL	Silver	0.48		0.11	0.47	mg/Kg
Q2393-07	PARK AVE -4	SOIL	Sodium	172		16.6	93.5	mg/Kg
Q2393-07	PARK AVE -4	SOIL	Vanadium	31.5		0.23	1.87	mg/Kg
Q2393-07	PARK AVE -4	SOIL	Zinc	37.0		0.10	1.87	mg/Kg

Client ID : PARK AVE -5

Q2393-09	PARK AVE -5	SOIL	Aluminum	8430		0.84	4.98	mg/Kg
Q2393-09	PARK AVE -5	SOIL	Antimony	1.52	J	0.22	2.49	mg/Kg
Q2393-09	PARK AVE -5	SOIL	Arsenic	3.53		0.19	1.00	mg/Kg
Q2393-09	PARK AVE -5	SOIL	Barium	44.3		0.73	4.98	mg/Kg
Q2393-09	PARK AVE -5	SOIL	Beryllium	0.69		0.025	0.30	mg/Kg
Q2393-09	PARK AVE -5	SOIL	Calcium	5080		11.1	99.6	mg/Kg
Q2393-09	PARK AVE -5	SOIL	Chromium	11.7		0.047	0.50	mg/Kg
Q2393-09	PARK AVE -5	SOIL	Cobalt	10.4		0.10	1.49	mg/Kg
Q2393-09	PARK AVE -5	SOIL	Copper	17.6		0.22	1.00	mg/Kg
Q2393-09	PARK AVE -5	SOIL	Iron	17500		3.97	4.98	mg/Kg
Q2393-09	PARK AVE -5	SOIL	Lead	13.9		0.13	0.60	mg/Kg
Q2393-09	PARK AVE -5	SOIL	Magnesium	2550		11.9	99.6	mg/Kg
Q2393-09	PARK AVE -5	SOIL	Manganese	298		0.14	1.00	mg/Kg
Q2393-09	PARK AVE -5	SOIL	Mercury	0.025		0.0070	0.013	mg/Kg
Q2393-09	PARK AVE -5	SOIL	Nickel	13.1		0.13	1.99	mg/Kg
Q2393-09	PARK AVE -5	SOIL	Potassium	648		27.6	99.6	mg/Kg
Q2393-09	PARK AVE -5	SOIL	Selenium	4.91		0.26	1.00	mg/Kg
Q2393-09	PARK AVE -5	SOIL	Silver	0.56		0.12	0.50	mg/Kg
Q2393-09	PARK AVE -5	SOIL	Sodium	186		17.7	99.6	mg/Kg
Q2393-09	PARK AVE -5	SOIL	Vanadium	31.7		0.25	1.99	mg/Kg
Q2393-09	PARK AVE -5	SOIL	Zinc	32.4		0.11	1.99	mg/Kg

Client ID : PARK AVE -6

Q2393-11	PARK AVE -6	SOIL	Aluminum	8830		0.86	5.14	mg/Kg
Q2393-11	PARK AVE -6	SOIL	Antimony	2.40	J	0.23	2.57	mg/Kg
Q2393-11	PARK AVE -6	SOIL	Arsenic	4.93		0.20	1.03	mg/Kg
Q2393-11	PARK AVE -6	SOIL	Barium	49.4		0.75	5.14	mg/Kg
Q2393-11	PARK AVE -6	SOIL	Beryllium	0.96		0.026	0.31	mg/Kg

Hit Summary Sheet
SW-846

SDG No.:	Q2393	Order ID:	Q2393
Client:	Union Paving & Construction Company	Project ID:	190 Park Ave Hanover Twp NJ - PO 2556-C

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q2393-11	PARK AVE -6	SOIL	Calcium	6090		11.4	103	mg/Kg
Q2393-11	PARK AVE -6	SOIL	Chromium	17.9		0.048	0.51	mg/Kg
Q2393-11	PARK AVE -6	SOIL	Cobalt	12.7		0.10	1.54	mg/Kg
Q2393-11	PARK AVE -6	SOIL	Copper	29.5		0.23	1.03	mg/Kg
Q2393-11	PARK AVE -6	SOIL	Iron	37800		4.10	5.14	mg/Kg
Q2393-11	PARK AVE -6	SOIL	Lead	15.5		0.13	0.62	mg/Kg
Q2393-11	PARK AVE -6	SOIL	Magnesium	2600		12.3	103	mg/Kg
Q2393-11	PARK AVE -6	SOIL	Manganese	575		0.14	1.03	mg/Kg
Q2393-11	PARK AVE -6	SOIL	Mercury	0.029		0.0080	0.015	mg/Kg
Q2393-11	PARK AVE -6	SOIL	Nickel	21.3		0.13	2.06	mg/Kg
Q2393-11	PARK AVE -6	SOIL	Potassium	692		28.5	103	mg/Kg
Q2393-11	PARK AVE -6	SOIL	Selenium	11.5		0.27	1.03	mg/Kg
Q2393-11	PARK AVE -6	SOIL	Silver	1.34		0.12	0.51	mg/Kg
Q2393-11	PARK AVE -6	SOIL	Sodium	363		18.3	103	mg/Kg
Q2393-11	PARK AVE -6	SOIL	Vanadium	34.8		0.26	2.06	mg/Kg
Q2393-11	PARK AVE -6	SOIL	Zinc	38.0		0.11	2.06	mg/Kg



SAMPLE DATA

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -1	SDG No.:	Q2393
Lab Sample ID:	Q2393-01	Matrix:	SOIL
Level (low/med):	low	% Solid:	83.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	11200		1	0.92	5.46	mg/Kg	06/24/25 13:15	06/27/25 16:13	6010D	SW3050
7440-36-0	Antimony	1.60	JN*	1	0.24	2.73	mg/Kg	06/24/25 13:15	06/27/25 16:13	6010D	SW3050
7440-38-2	Arsenic	8.14	*	1	0.21	1.09	mg/Kg	06/24/25 13:15	06/27/25 16:13	6010D	SW3050
7440-39-3	Barium	76.0		1	0.80	5.46	mg/Kg	06/24/25 13:15	06/27/25 16:13	6010D	SW3050
7440-41-7	Beryllium	1.02	N	1	0.027	0.33	mg/Kg	06/24/25 13:15	06/27/25 16:13	6010D	SW3050
7440-43-9	Cadmium	0.026	U	1	0.026	0.33	mg/Kg	06/24/25 13:15	06/27/25 16:13	6010D	SW3050
7440-70-2	Calcium	1310	*	1	12.1	109	mg/Kg	06/24/25 13:15	06/27/25 16:13	6010D	SW3050
7440-47-3	Chromium	17.8	N*	1	0.051	0.55	mg/Kg	06/24/25 13:15	06/27/25 16:13	6010D	SW3050
7440-48-4	Cobalt	18.6	N	1	0.11	1.64	mg/Kg	06/24/25 13:15	06/27/25 16:13	6010D	SW3050
7440-50-8	Copper	22.6	N*	1	0.24	1.09	mg/Kg	06/24/25 13:15	06/27/25 16:13	6010D	SW3050
7439-89-6	Iron	26200	*	1	4.35	5.46	mg/Kg	06/24/25 13:15	06/27/25 16:13	6010D	SW3050
7439-92-1	Lead	15.2		1	0.14	0.66	mg/Kg	06/24/25 13:15	06/27/25 16:13	6010D	SW3050
7439-95-4	Magnesium	4410		1	13.1	109	mg/Kg	06/24/25 13:15	06/27/25 16:13	6010D	SW3050
7439-96-5	Manganese	527	*	1	0.15	1.09	mg/Kg	06/24/25 13:15	06/27/25 16:13	6010D	SW3050
7439-97-6	Mercury	0.030		1	0.0090	0.016	mg/Kg	06/24/25 15:35	06/26/25 10:28	7471B	
7440-02-0	Nickel	34.9	N*	1	0.14	2.18	mg/Kg	06/24/25 13:15	06/27/25 16:13	6010D	SW3050
7440-09-7	Potassium	720	N	1	30.2	109	mg/Kg	06/24/25 13:15	06/27/25 16:13	6010D	SW3050
7782-49-2	Selenium	8.65	N*	1	0.28	1.09	mg/Kg	06/24/25 13:15	06/27/25 16:13	6010D	SW3050
7440-22-4	Silver	1.00	N*	1	0.13	0.55	mg/Kg	06/24/25 13:15	06/27/25 16:13	6010D	SW3050
7440-23-5	Sodium	281	N	1	19.4	109	mg/Kg	06/24/25 13:15	06/27/25 16:13	6010D	SW3050
7440-28-0	Thallium	0.25	U	1	0.25	2.18	mg/Kg	06/24/25 13:15	06/27/25 16:13	6010D	SW3050
7440-62-2	Vanadium	32.0	N	1	0.27	2.18	mg/Kg	06/24/25 13:15	06/27/25 16:13	6010D	SW3050
7440-66-6	Zinc	48.6	N	1	0.12	2.18	mg/Kg	06/24/25 13:15	06/27/25 16:13	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	Mercury			

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:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -2	SDG No.:	Q2393
Lab Sample ID:	Q2393-03	Matrix:	SOIL
Level (low/med):	low	% Solid:	83.5

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	10800		1	0.84	4.97	mg/Kg	06/24/25 13:15	06/27/25 16:17	6010D	SW3050
7440-36-0	Antimony	1.42	JN*	1	0.22	2.48	mg/Kg	06/24/25 13:15	06/27/25 16:17	6010D	SW3050
7440-38-2	Arsenic	7.60	*	1	0.19	0.99	mg/Kg	06/24/25 13:15	06/27/25 16:17	6010D	SW3050
7440-39-3	Barium	85.4		1	0.73	4.97	mg/Kg	06/24/25 13:15	06/27/25 16:17	6010D	SW3050
7440-41-7	Beryllium	0.96	N	1	0.025	0.30	mg/Kg	06/24/25 13:15	06/27/25 16:17	6010D	SW3050
7440-43-9	Cadmium	0.024	U	1	0.024	0.30	mg/Kg	06/24/25 13:15	06/27/25 16:17	6010D	SW3050
7440-70-2	Calcium	1080	*	1	11.0	99.4	mg/Kg	06/24/25 13:15	06/27/25 16:17	6010D	SW3050
7440-47-3	Chromium	16.2	N*	1	0.047	0.50	mg/Kg	06/24/25 13:15	06/27/25 16:17	6010D	SW3050
7440-48-4	Cobalt	22.5	N	1	0.099	1.49	mg/Kg	06/24/25 13:15	06/27/25 16:17	6010D	SW3050
7440-50-8	Copper	21.0	N*	1	0.22	0.99	mg/Kg	06/24/25 13:15	06/27/25 16:17	6010D	SW3050
7439-89-6	Iron	24600	*	1	3.97	4.97	mg/Kg	06/24/25 13:15	06/27/25 16:17	6010D	SW3050
7439-92-1	Lead	15.3		1	0.13	0.60	mg/Kg	06/24/25 13:15	06/27/25 16:17	6010D	SW3050
7439-95-4	Magnesium	4060		1	11.9	99.4	mg/Kg	06/24/25 13:15	06/27/25 16:17	6010D	SW3050
7439-96-5	Manganese	736	*	1	0.14	0.99	mg/Kg	06/24/25 13:15	06/27/25 16:17	6010D	SW3050
7439-97-6	Mercury	0.049		1	0.0080	0.014	mg/Kg	06/24/25 15:35	06/26/25 10:30	7471B	
7440-02-0	Nickel	35.0	N*	1	0.13	1.99	mg/Kg	06/24/25 13:15	06/27/25 16:17	6010D	SW3050
7440-09-7	Potassium	612	N	1	27.5	99.4	mg/Kg	06/24/25 13:15	06/27/25 16:17	6010D	SW3050
7782-49-2	Selenium	8.05	N*	1	0.26	0.99	mg/Kg	06/24/25 13:15	06/27/25 16:17	6010D	SW3050
7440-22-4	Silver	0.82	N*	1	0.12	0.50	mg/Kg	06/24/25 13:15	06/27/25 16:17	6010D	SW3050
7440-23-5	Sodium	145	N	1	17.7	99.4	mg/Kg	06/24/25 13:15	06/27/25 16:17	6010D	SW3050
7440-28-0	Thallium	0.23	U	1	0.23	1.99	mg/Kg	06/24/25 13:15	06/27/25 16:17	6010D	SW3050
7440-62-2	Vanadium	29.3	N	1	0.25	1.99	mg/Kg	06/24/25 13:15	06/27/25 16:17	6010D	SW3050
7440-66-6	Zinc	47.7	N	1	0.11	1.99	mg/Kg	06/24/25 13:15	06/27/25 16:17	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	Mercury			

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:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -3	SDG No.:	Q2393
Lab Sample ID:	Q2393-05	Matrix:	SOIL
Level (low/med):	low	% Solid:	86.6

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	9240		1	0.80	4.75	mg/Kg	06/24/25 13:15	06/27/25 16:22	6010D	SW3050
7440-36-0	Antimony	1.65	JN*	1	0.21	2.38	mg/Kg	06/24/25 13:15	06/27/25 16:22	6010D	SW3050
7440-38-2	Arsenic	4.23	*	1	0.18	0.95	mg/Kg	06/24/25 13:15	06/27/25 16:22	6010D	SW3050
7440-39-3	Barium	49.9		1	0.69	4.75	mg/Kg	06/24/25 13:15	06/27/25 16:22	6010D	SW3050
7440-41-7	Beryllium	0.81	N	1	0.024	0.28	mg/Kg	06/24/25 13:15	06/27/25 16:22	6010D	SW3050
7440-43-9	Cadmium	0.023	U	1	0.023	0.28	mg/Kg	06/24/25 13:15	06/27/25 16:22	6010D	SW3050
7440-70-2	Calcium	8350	*	1	10.6	95.0	mg/Kg	06/24/25 13:15	06/27/25 16:22	6010D	SW3050
7440-47-3	Chromium	13.9	N*	1	0.045	0.48	mg/Kg	06/24/25 13:15	06/27/25 16:22	6010D	SW3050
7440-48-4	Cobalt	12.6	N	1	0.095	1.43	mg/Kg	06/24/25 13:15	06/27/25 16:22	6010D	SW3050
7440-50-8	Copper	17.5	N*	1	0.21	0.95	mg/Kg	06/24/25 13:15	06/27/25 16:22	6010D	SW3050
7439-89-6	Iron	19900	*	1	3.79	4.75	mg/Kg	06/24/25 13:15	06/27/25 16:22	6010D	SW3050
7439-92-1	Lead	14.1		1	0.12	0.57	mg/Kg	06/24/25 13:15	06/27/25 16:22	6010D	SW3050
7439-95-4	Magnesium	2710		1	11.4	95.0	mg/Kg	06/24/25 13:15	06/27/25 16:22	6010D	SW3050
7439-96-5	Manganese	339	*	1	0.13	0.95	mg/Kg	06/24/25 13:15	06/27/25 16:22	6010D	SW3050
7439-97-6	Mercury	0.032		1	0.0090	0.016	mg/Kg	06/24/25 15:35	06/26/25 10:32	7471B	
7440-02-0	Nickel	14.6	N*	1	0.12	1.90	mg/Kg	06/24/25 13:15	06/27/25 16:22	6010D	SW3050
7440-09-7	Potassium	699	N	1	26.3	95.0	mg/Kg	06/24/25 13:15	06/27/25 16:22	6010D	SW3050
7782-49-2	Selenium	5.60	N*	1	0.25	0.95	mg/Kg	06/24/25 13:15	06/27/25 16:22	6010D	SW3050
7440-22-4	Silver	0.53	N*	1	0.11	0.48	mg/Kg	06/24/25 13:15	06/27/25 16:22	6010D	SW3050
7440-23-5	Sodium	190	N	1	16.9	95.0	mg/Kg	06/24/25 13:15	06/27/25 16:22	6010D	SW3050
7440-28-0	Thallium	0.22	U	1	0.22	1.90	mg/Kg	06/24/25 13:15	06/27/25 16:22	6010D	SW3050
7440-62-2	Vanadium	37.8	N	1	0.24	1.90	mg/Kg	06/24/25 13:15	06/27/25 16:22	6010D	SW3050
7440-66-6	Zinc	34.6	N	1	0.11	1.90	mg/Kg	06/24/25 13:15	06/27/25 16:22	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	Mercury			

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
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 OR = Over Range
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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -4	SDG No.:	Q2393
Lab Sample ID:	Q2393-07	Matrix:	SOIL
Level (low/med):	low	% Solid:	87.7

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	8920		1	0.79	4.67	mg/Kg	06/24/25 13:15	06/27/25 16:26	6010D	SW3050
7440-36-0	Antimony	1.58	JN*	1	0.21	2.34	mg/Kg	06/24/25 13:15	06/27/25 16:26	6010D	SW3050
7440-38-2	Arsenic	3.33	*	1	0.18	0.94	mg/Kg	06/24/25 13:15	06/27/25 16:26	6010D	SW3050
7440-39-3	Barium	45.1		1	0.68	4.67	mg/Kg	06/24/25 13:15	06/27/25 16:26	6010D	SW3050
7440-41-7	Beryllium	0.72	N	1	0.023	0.28	mg/Kg	06/24/25 13:15	06/27/25 16:26	6010D	SW3050
7440-43-9	Cadmium	0.022	U	1	0.022	0.28	mg/Kg	06/24/25 13:15	06/27/25 16:26	6010D	SW3050
7440-70-2	Calcium	5700	*	1	10.4	93.5	mg/Kg	06/24/25 13:15	06/27/25 16:26	6010D	SW3050
7440-47-3	Chromium	11.7	N*	1	0.044	0.47	mg/Kg	06/24/25 13:15	06/27/25 16:26	6010D	SW3050
7440-48-4	Cobalt	11.3	N	1	0.093	1.40	mg/Kg	06/24/25 13:15	06/27/25 16:26	6010D	SW3050
7440-50-8	Copper	15.8	N*	1	0.21	0.94	mg/Kg	06/24/25 13:15	06/27/25 16:26	6010D	SW3050
7439-89-6	Iron	17600	*	1	3.73	4.67	mg/Kg	06/24/25 13:15	06/27/25 16:26	6010D	SW3050
7439-92-1	Lead	12.7		1	0.12	0.56	mg/Kg	06/24/25 13:15	06/27/25 16:26	6010D	SW3050
7439-95-4	Magnesium	2220		1	11.2	93.5	mg/Kg	06/24/25 13:15	06/27/25 16:26	6010D	SW3050
7439-96-5	Manganese	313	*	1	0.13	0.94	mg/Kg	06/24/25 13:15	06/27/25 16:26	6010D	SW3050
7439-97-6	Mercury	0.039		1	0.0080	0.014	mg/Kg	06/24/25 15:35	06/26/25 10:34	7471B	
7440-02-0	Nickel	13.8	N*	1	0.12	1.87	mg/Kg	06/24/25 13:15	06/27/25 16:26	6010D	SW3050
7440-09-7	Potassium	633	N	1	25.9	93.5	mg/Kg	06/24/25 13:15	06/27/25 16:26	6010D	SW3050
7782-49-2	Selenium	4.83	N*	1	0.24	0.94	mg/Kg	06/24/25 13:15	06/27/25 16:26	6010D	SW3050
7440-22-4	Silver	0.48	N*	1	0.11	0.47	mg/Kg	06/24/25 13:15	06/27/25 16:26	6010D	SW3050
7440-23-5	Sodium	172	N	1	16.6	93.5	mg/Kg	06/24/25 13:15	06/27/25 16:26	6010D	SW3050
7440-28-0	Thallium	0.22	U	1	0.22	1.87	mg/Kg	06/24/25 13:15	06/27/25 16:26	6010D	SW3050
7440-62-2	Vanadium	31.5	N	1	0.23	1.87	mg/Kg	06/24/25 13:15	06/27/25 16:26	6010D	SW3050
7440-66-6	Zinc	37.0	N	1	0.10	1.87	mg/Kg	06/24/25 13:15	06/27/25 16:26	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	Mercury			

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:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -5	SDG No.:	Q2393
Lab Sample ID:	Q2393-09	Matrix:	SOIL
Level (low/med):	low	% Solid:	91.3

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	8430		1	0.84	4.98	mg/Kg	06/24/25 13:15	06/27/25 16:30	6010D	SW3050
7440-36-0	Antimony	1.52	JN*	1	0.22	2.49	mg/Kg	06/24/25 13:15	06/27/25 16:30	6010D	SW3050
7440-38-2	Arsenic	3.53	*	1	0.19	1.00	mg/Kg	06/24/25 13:15	06/27/25 16:30	6010D	SW3050
7440-39-3	Barium	44.3		1	0.73	4.98	mg/Kg	06/24/25 13:15	06/27/25 16:30	6010D	SW3050
7440-41-7	Beryllium	0.69	N	1	0.025	0.30	mg/Kg	06/24/25 13:15	06/27/25 16:30	6010D	SW3050
7440-43-9	Cadmium	0.024	U	1	0.024	0.30	mg/Kg	06/24/25 13:15	06/27/25 16:30	6010D	SW3050
7440-70-2	Calcium	5080	*	1	11.1	99.6	mg/Kg	06/24/25 13:15	06/27/25 16:30	6010D	SW3050
7440-47-3	Chromium	11.7	N*	1	0.047	0.50	mg/Kg	06/24/25 13:15	06/27/25 16:30	6010D	SW3050
7440-48-4	Cobalt	10.4	N	1	0.10	1.49	mg/Kg	06/24/25 13:15	06/27/25 16:30	6010D	SW3050
7440-50-8	Copper	17.6	N*	1	0.22	1.00	mg/Kg	06/24/25 13:15	06/27/25 16:30	6010D	SW3050
7439-89-6	Iron	17500	*	1	3.97	4.98	mg/Kg	06/24/25 13:15	06/27/25 16:30	6010D	SW3050
7439-92-1	Lead	13.9		1	0.13	0.60	mg/Kg	06/24/25 13:15	06/27/25 16:30	6010D	SW3050
7439-95-4	Magnesium	2550		1	11.9	99.6	mg/Kg	06/24/25 13:15	06/27/25 16:30	6010D	SW3050
7439-96-5	Manganese	298	*	1	0.14	1.00	mg/Kg	06/24/25 13:15	06/27/25 16:30	6010D	SW3050
7439-97-6	Mercury	0.025		1	0.0070	0.013	mg/Kg	06/24/25 15:35	06/26/25 10:41	7471B	
7440-02-0	Nickel	13.1	N*	1	0.13	1.99	mg/Kg	06/24/25 13:15	06/27/25 16:30	6010D	SW3050
7440-09-7	Potassium	648	N	1	27.6	99.6	mg/Kg	06/24/25 13:15	06/27/25 16:30	6010D	SW3050
7782-49-2	Selenium	4.91	N*	1	0.26	1.00	mg/Kg	06/24/25 13:15	06/27/25 16:30	6010D	SW3050
7440-22-4	Silver	0.56	N*	1	0.12	0.50	mg/Kg	06/24/25 13:15	06/27/25 16:30	6010D	SW3050
7440-23-5	Sodium	186	N	1	17.7	99.6	mg/Kg	06/24/25 13:15	06/27/25 16:30	6010D	SW3050
7440-28-0	Thallium	0.23	U	1	0.23	1.99	mg/Kg	06/24/25 13:15	06/27/25 16:30	6010D	SW3050
7440-62-2	Vanadium	31.7	N	1	0.25	1.99	mg/Kg	06/24/25 13:15	06/27/25 16:30	6010D	SW3050
7440-66-6	Zinc	32.4	N	1	0.11	1.99	mg/Kg	06/24/25 13:15	06/27/25 16:30	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	Mercury			

U = Not Detected
 LOQ = Limit of Quantitation
 MDL = Method Detection Limit
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 Q = indicates LCS control criteria did not meet requirements

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -6	SDG No.:	Q2393
Lab Sample ID:	Q2393-11	Matrix:	SOIL
Level (low/med):	low	% Solid:	86.8

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units(Dry Weight)	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	8830		1	0.86	5.14	mg/Kg	06/24/25 13:15	06/27/25 16:35	6010D	SW3050
7440-36-0	Antimony	2.40	JN*	1	0.23	2.57	mg/Kg	06/24/25 13:15	06/27/25 16:35	6010D	SW3050
7440-38-2	Arsenic	4.93	*	1	0.20	1.03	mg/Kg	06/24/25 13:15	06/27/25 16:35	6010D	SW3050
7440-39-3	Barium	49.4		1	0.75	5.14	mg/Kg	06/24/25 13:15	06/27/25 16:35	6010D	SW3050
7440-41-7	Beryllium	0.96	N	1	0.026	0.31	mg/Kg	06/24/25 13:15	06/27/25 16:35	6010D	SW3050
7440-43-9	Cadmium	0.025	U	1	0.025	0.31	mg/Kg	06/24/25 13:15	06/27/25 16:35	6010D	SW3050
7440-70-2	Calcium	6090	*	1	11.4	103	mg/Kg	06/24/25 13:15	06/27/25 16:35	6010D	SW3050
7440-47-3	Chromium	17.9	N*	1	0.048	0.51	mg/Kg	06/24/25 13:15	06/27/25 16:35	6010D	SW3050
7440-48-4	Cobalt	12.7	N	1	0.10	1.54	mg/Kg	06/24/25 13:15	06/27/25 16:35	6010D	SW3050
7440-50-8	Copper	29.5	N*	1	0.23	1.03	mg/Kg	06/24/25 13:15	06/27/25 16:35	6010D	SW3050
7439-89-6	Iron	37800	*	1	4.10	5.14	mg/Kg	06/24/25 13:15	06/27/25 16:35	6010D	SW3050
7439-92-1	Lead	15.5		1	0.13	0.62	mg/Kg	06/24/25 13:15	06/27/25 16:35	6010D	SW3050
7439-95-4	Magnesium	2600		1	12.3	103	mg/Kg	06/24/25 13:15	06/27/25 16:35	6010D	SW3050
7439-96-5	Manganese	575	*	1	0.14	1.03	mg/Kg	06/24/25 13:15	06/27/25 16:35	6010D	SW3050
7439-97-6	Mercury	0.029		1	0.0080	0.015	mg/Kg	06/24/25 15:35	06/26/25 10:44	7471B	
7440-02-0	Nickel	21.3	N*	1	0.13	2.06	mg/Kg	06/24/25 13:15	06/27/25 16:35	6010D	SW3050
7440-09-7	Potassium	692	N	1	28.5	103	mg/Kg	06/24/25 13:15	06/27/25 16:35	6010D	SW3050
7782-49-2	Selenium	11.5	N*	1	0.27	1.03	mg/Kg	06/24/25 13:15	06/27/25 16:35	6010D	SW3050
7440-22-4	Silver	1.34	N*	1	0.12	0.51	mg/Kg	06/24/25 13:15	06/27/25 16:35	6010D	SW3050
7440-23-5	Sodium	363	N	1	18.3	103	mg/Kg	06/24/25 13:15	06/27/25 16:35	6010D	SW3050
7440-28-0	Thallium	0.24	U	1	0.24	2.06	mg/Kg	06/24/25 13:15	06/27/25 16:35	6010D	SW3050
7440-62-2	Vanadium	34.8	N	1	0.26	2.06	mg/Kg	06/24/25 13:15	06/27/25 16:35	6010D	SW3050
7440-66-6	Zinc	38.0	N	1	0.11	2.06	mg/Kg	06/24/25 13:15	06/27/25 16:35	6010D	SW3050

Color Before:	Brown	Clarity Before:	Texture:	Medium
Color After:	Yellow	Clarity After:	Artifacts:	
Comments:	Mercury			

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



METAL CALIBRATION DATA

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Union Paving & Construction Company **SDG No.:** Q2393
Contract: UNIO02 **Lab Code:** CHEM **Case No.:** Q2393 **SAS No.:** Q2393
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
ICV06	Mercury	3.93	4.0	98	90 - 110	CV	06/26/2025	10:05	LB136362

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Union Paving & Construction Company **SDG No.:** Q2393
Contract: UNIO02 **Lab Code:** CHEM **Case No.:** Q2393 **SAS No.:** Q2393
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
CCV16	Mercury	5.16	5.0	103	90 - 110	CV	06/26/2025	10:09	LB136362
CCV17	Mercury	5.46	5.0	109	90 - 110	CV	06/26/2025	10:37	LB136362
CCV18	Mercury	5.19	5.0	104	90 - 110	CV	06/26/2025	11:07	LB136362
CCV19	Mercury	4.98	5.0	100	90 - 110	CV	06/26/2025	11:27	LB136362

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Union Paving & Construction Company SDG No.: Q2393

Contract: UNIO02 Lab Code: CHEM Case No.: Q2393 SAS No.: Q2393

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	Aluminum	7840	8000	98	90 - 110	P	06/27/2025	11:45	LB136319
	Antimony	4280	4000	107	90 - 110	P	06/27/2025	11:45	LB136319
	Arsenic	3910	4000	98	90 - 110	P	06/27/2025	11:45	LB136319
	Barium	8020	8000	100	90 - 110	P	06/27/2025	11:45	LB136319
	Beryllium	204	200	102	90 - 110	P	06/27/2025	11:45	LB136319
	Cadmium	1990	2000	100	90 - 110	P	06/27/2025	11:45	LB136319
	Calcium	19600	20000	98	90 - 110	P	06/27/2025	11:45	LB136319
	Chromium	757	800	95	90 - 110	P	06/27/2025	11:45	LB136319
	Cobalt	1970	2000	99	90 - 110	P	06/27/2025	11:45	LB136319
	Copper	1040	1000	104	90 - 110	P	06/27/2025	11:45	LB136319
	Iron	3850	4000	96	90 - 110	P	06/27/2025	11:45	LB136319
	Lead	3950	4000	99	90 - 110	P	06/27/2025	11:45	LB136319
	Magnesium	20200	20000	101	90 - 110	P	06/27/2025	11:45	LB136319
	Manganese	1990	2000	100	90 - 110	P	06/27/2025	11:45	LB136319
	Nickel	1950	2000	98	90 - 110	P	06/27/2025	11:45	LB136319
	Potassium	19500	20000	97	90 - 110	P	06/27/2025	11:45	LB136319
	Selenium	4050	4000	101	90 - 110	P	06/27/2025	11:45	LB136319
	Silver	941	1000	94	90 - 110	P	06/27/2025	11:45	LB136319
	Sodium	20500	20000	102	90 - 110	P	06/27/2025	11:45	LB136319
	Thallium	3950	4000	99	90 - 110	P	06/27/2025	11:45	LB136319
	Vanadium	2020	2000	101	90 - 110	P	06/27/2025	11:45	LB136319
	Zinc	2030	2000	101	90 - 110	P	06/27/2025	11:45	LB136319

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Union Paving & Construction Company **SDG No.:** Q2393
Contract: UNIO02 **Lab Code:** CHEM **Case No.:** Q2393 **SAS No.:** Q2393
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	Aluminum	94.7	100	95	80 - 120	P	06/27/2025	12:03	LB136319
	Antimony	57.4	50.0	115	80 - 120	P	06/27/2025	12:03	LB136319
	Arsenic	16.7	20.0	84	80 - 120	P	06/27/2025	12:03	LB136319
	Barium	99.9	100	100	80 - 120	P	06/27/2025	12:03	LB136319
	Beryllium	6.43	6.0	107	80 - 120	P	06/27/2025	12:03	LB136319
	Cadmium	5.74	6.0	96	80 - 120	P	06/27/2025	12:03	LB136319
	Calcium	2080	2000	104	80 - 120	P	06/27/2025	12:03	LB136319
	Chromium	11.1	10.0	112	80 - 120	P	06/27/2025	12:03	LB136319
	Cobalt	30.3	30.0	101	80 - 120	P	06/27/2025	12:03	LB136319
	Copper	22.3	20.0	112	80 - 120	P	06/27/2025	12:03	LB136319
	Iron	111	100	111	80 - 120	P	06/27/2025	12:03	LB136319
	Lead	10.3	12.0	86	80 - 120	P	06/27/2025	12:03	LB136319
	Magnesium	2270	2000	114	80 - 120	P	06/27/2025	12:03	LB136319
	Manganese	22.8	20.0	114	80 - 120	P	06/27/2025	12:03	LB136319
	Nickel	39.8	40.0	100	80 - 120	P	06/27/2025	12:03	LB136319
	Potassium	1800	2000	90	80 - 120	P	06/27/2025	12:03	LB136319
	Selenium	19.5	20.0	98	80 - 120	P	06/27/2025	12:03	LB136319
	Silver	10.7	10.0	107	80 - 120	P	06/27/2025	12:03	LB136319
	Sodium	1900	2000	95	80 - 120	P	06/27/2025	12:03	LB136319
	Thallium	40.7	40.0	102	80 - 120	P	06/27/2025	12:03	LB136319
	Vanadium	47.8	40.0	119	80 - 120	P	06/27/2025	12:03	LB136319
	Zinc	34.2	40.0	85	80 - 120	P	06/27/2025	12:03	LB136319

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Union Paving & Construction Company SDG No.: Q2393
Contract: UNIO02 Lab Code: CHEM Case No.: Q2393 SAS No.: Q2393
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	Aluminum	9460	10000	95	90 - 110	P	06/27/2025	13:22	LB136319
	Antimony	5000	5000	100	90 - 110	P	06/27/2025	13:22	LB136319
	Arsenic	4830	5000	97	90 - 110	P	06/27/2025	13:22	LB136319
	Barium	10100	10000	101	90 - 110	P	06/27/2025	13:22	LB136319
	Beryllium	250	250	100	90 - 110	P	06/27/2025	13:22	LB136319
	Cadmium	2460	2500	99	90 - 110	P	06/27/2025	13:22	LB136319
	Calcium	24700	25000	99	90 - 110	P	06/27/2025	13:22	LB136319
	Chromium	1030	1000	103	90 - 110	P	06/27/2025	13:22	LB136319
	Cobalt	2470	2500	99	90 - 110	P	06/27/2025	13:22	LB136319
	Copper	1250	1250	100	90 - 110	P	06/27/2025	13:22	LB136319
	Iron	5370	5000	108	90 - 110	P	06/27/2025	13:22	LB136319
	Lead	4980	5000	100	90 - 110	P	06/27/2025	13:22	LB136319
	Magnesium	25700	25000	103	90 - 110	P	06/27/2025	13:22	LB136319
	Manganese	2520	2500	101	90 - 110	P	06/27/2025	13:22	LB136319
	Nickel	2510	2500	100	90 - 110	P	06/27/2025	13:22	LB136319
	Potassium	24900	25000	99	90 - 110	P	06/27/2025	13:22	LB136319
	Selenium	5040	5000	101	90 - 110	P	06/27/2025	13:22	LB136319
	Silver	1230	1250	99	90 - 110	P	06/27/2025	13:22	LB136319
	Sodium	25000	25000	100	90 - 110	P	06/27/2025	13:22	LB136319
	Thallium	5000	5000	100	90 - 110	P	06/27/2025	13:22	LB136319
	Vanadium	2480	2500	99	90 - 110	P	06/27/2025	13:22	LB136319
	Zinc	2510	2500	101	90 - 110	P	06/27/2025	13:22	LB136319
CCV02	Aluminum	9650	10000	96	90 - 110	P	06/27/2025	14:19	LB136319
	Antimony	5050	5000	101	90 - 110	P	06/27/2025	14:19	LB136319
	Arsenic	4900	5000	98	90 - 110	P	06/27/2025	14:19	LB136319
	Barium	10200	10000	102	90 - 110	P	06/27/2025	14:19	LB136319
	Beryllium	256	250	102	90 - 110	P	06/27/2025	14:19	LB136319
	Cadmium	2500	2500	100	90 - 110	P	06/27/2025	14:19	LB136319
	Calcium	25000	25000	100	90 - 110	P	06/27/2025	14:19	LB136319
	Chromium	1010	1000	101	90 - 110	P	06/27/2025	14:19	LB136319
	Cobalt	2510	2500	100	90 - 110	P	06/27/2025	14:19	LB136319
	Copper	1290	1250	103	90 - 110	P	06/27/2025	14:19	LB136319
	Iron	5250	5000	105	90 - 110	P	06/27/2025	14:19	LB136319
	Lead	5070	5000	101	90 - 110	P	06/27/2025	14:19	LB136319

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Union Paving & Construction Company **SDG No.:** Q2393

Contract: UNIO02 **Lab Code:** CHEM **Case No.:** Q2393 **SAS No.:** Q2393

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
CCV02	Magnesium	26100	25000	104	90 - 110	P	06/27/2025	14:19	LB136319
	Manganese	2540	2500	102	90 - 110	P	06/27/2025	14:19	LB136319
	Nickel	2530	2500	101	90 - 110	P	06/27/2025	14:19	LB136319
	Potassium	25600	25000	102	90 - 110	P	06/27/2025	14:19	LB136319
	Selenium	5100	5000	102	90 - 110	P	06/27/2025	14:19	LB136319
	Silver	1260	1250	101	90 - 110	P	06/27/2025	14:19	LB136319
	Sodium	25800	25000	103	90 - 110	P	06/27/2025	14:19	LB136319
	Thallium	5080	5000	102	90 - 110	P	06/27/2025	14:19	LB136319
	Vanadium	2500	2500	100	90 - 110	P	06/27/2025	14:19	LB136319
	Zinc	2550	2500	102	90 - 110	P	06/27/2025	14:19	LB136319
CCV03	Aluminum	9690	10000	97	90 - 110	P	06/27/2025	15:12	LB136319
	Antimony	5100	5000	102	90 - 110	P	06/27/2025	15:12	LB136319
	Arsenic	4930	5000	99	90 - 110	P	06/27/2025	15:12	LB136319
	Barium	10300	10000	103	90 - 110	P	06/27/2025	15:12	LB136319
	Beryllium	257	250	103	90 - 110	P	06/27/2025	15:12	LB136319
	Cadmium	2530	2500	101	90 - 110	P	06/27/2025	15:12	LB136319
	Calcium	25400	25000	102	90 - 110	P	06/27/2025	15:12	LB136319
	Chromium	1040	1000	104	90 - 110	P	06/27/2025	15:12	LB136319
	Cobalt	2540	2500	102	90 - 110	P	06/27/2025	15:12	LB136319
	Copper	1290	1250	103	90 - 110	P	06/27/2025	15:12	LB136319
	Iron	5340	5000	107	90 - 110	P	06/27/2025	15:12	LB136319
	Lead	5120	5000	102	90 - 110	P	06/27/2025	15:12	LB136319
	Magnesium	26300	25000	105	90 - 110	P	06/27/2025	15:12	LB136319
	Manganese	2560	2500	103	90 - 110	P	06/27/2025	15:12	LB136319
	Nickel	2560	2500	103	90 - 110	P	06/27/2025	15:12	LB136319
	Potassium	25800	25000	103	90 - 110	P	06/27/2025	15:12	LB136319
	Selenium	5170	5000	103	90 - 110	P	06/27/2025	15:12	LB136319
	Silver	1270	1250	102	90 - 110	P	06/27/2025	15:12	LB136319
	Sodium	26000	25000	104	90 - 110	P	06/27/2025	15:12	LB136319
	Thallium	5140	5000	103	90 - 110	P	06/27/2025	15:12	LB136319
	Vanadium	2550	2500	102	90 - 110	P	06/27/2025	15:12	LB136319
	Zinc	2560	2500	102	90 - 110	P	06/27/2025	15:12	LB136319
CCV04	Aluminum	10300	10000	103	90 - 110	P	06/27/2025	16:04	LB136319
	Antimony	5110	5000	102	90 - 110	P	06/27/2025	16:04	LB136319

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Union Paving & Construction Company SDG No.: Q2393
Contract: UNIO02 Lab Code: CHEM Case No.: Q2393 SAS No.: Q2393
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	Arsenic	4940	5000	99	90 - 110	P	06/27/2025	16:04	LB136319
	Barium	10300	10000	103	90 - 110	P	06/27/2025	16:04	LB136319
	Beryllium	256	250	102	90 - 110	P	06/27/2025	16:04	LB136319
	Cadmium	2530	2500	101	90 - 110	P	06/27/2025	16:04	LB136319
	Calcium	25400	25000	102	90 - 110	P	06/27/2025	16:04	LB136319
	Chromium	1010	1000	101	90 - 110	P	06/27/2025	16:04	LB136319
	Cobalt	2540	2500	102	90 - 110	P	06/27/2025	16:04	LB136319
	Copper	1290	1250	103	90 - 110	P	06/27/2025	16:04	LB136319
	Iron	5250	5000	105	90 - 110	P	06/27/2025	16:04	LB136319
	Lead	5120	5000	102	90 - 110	P	06/27/2025	16:04	LB136319
	Magnesium	26100	25000	105	90 - 110	P	06/27/2025	16:04	LB136319
	Manganese	2580	2500	103	90 - 110	P	06/27/2025	16:04	LB136319
	Nickel	2550	2500	102	90 - 110	P	06/27/2025	16:04	LB136319
	Potassium	25800	25000	103	90 - 110	P	06/27/2025	16:04	LB136319
	Selenium	5160	5000	103	90 - 110	P	06/27/2025	16:04	LB136319
	Silver	1260	1250	101	90 - 110	P	06/27/2025	16:04	LB136319
	Sodium	26000	25000	104	90 - 110	P	06/27/2025	16:04	LB136319
	Thallium	5130	5000	102	90 - 110	P	06/27/2025	16:04	LB136319
	Vanadium	2550	2500	102	90 - 110	P	06/27/2025	16:04	LB136319
	Zinc	2570	2500	103	90 - 110	P	06/27/2025	16:04	LB136319
CCV05	Aluminum	9590	10000	96	90 - 110	P	06/27/2025	16:56	LB136319
	Antimony	4950	5000	99	90 - 110	P	06/27/2025	16:56	LB136319
	Arsenic	4820	5000	96	90 - 110	P	06/27/2025	16:56	LB136319
	Barium	10200	10000	102	90 - 110	P	06/27/2025	16:56	LB136319
	Beryllium	255	250	102	90 - 110	P	06/27/2025	16:56	LB136319
	Cadmium	2460	2500	98	90 - 110	P	06/27/2025	16:56	LB136319
	Calcium	24800	25000	99	90 - 110	P	06/27/2025	16:56	LB136319
	Chromium	1040	1000	104	90 - 110	P	06/27/2025	16:56	LB136319
	Cobalt	2460	2500	98	90 - 110	P	06/27/2025	16:56	LB136319
	Copper	1280	1250	102	90 - 110	P	06/27/2025	16:56	LB136319
	Iron	5380	5000	108	90 - 110	P	06/27/2025	16:56	LB136319
	Lead	4960	5000	99	90 - 110	P	06/27/2025	16:56	LB136319
	Magnesium	25300	25000	101	90 - 110	P	06/27/2025	16:56	LB136319
	Manganese	2490	2500	100	90 - 110	P	06/27/2025	16:56	LB136319

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Union Paving & Construction Company **SDG No.:** Q2393

Contract: UNIO02 **Lab Code:** CHEM **Case No.:** Q2393 **SAS No.:** Q2393

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
CCV05	Nickel	2500	2500	100	90 - 110	P	06/27/2025	16:56	LB136319
	Potassium	25700	25000	103	90 - 110	P	06/27/2025	16:56	LB136319
	Selenium	4980	5000	100	90 - 110	P	06/27/2025	16:56	LB136319
	Silver	1230	1250	98	90 - 110	P	06/27/2025	16:56	LB136319
	Sodium	25900	25000	104	90 - 110	P	06/27/2025	16:56	LB136319
	Thallium	4980	5000	100	90 - 110	P	06/27/2025	16:56	LB136319
	Vanadium	2470	2500	99	90 - 110	P	06/27/2025	16:56	LB136319
	Zinc	2480	2500	99	90 - 110	P	06/27/2025	16:56	LB136319
CCV06	Aluminum	9580	10000	96	90 - 110	P	06/27/2025	17:49	LB136319
	Antimony	5020	5000	100	90 - 110	P	06/27/2025	17:49	LB136319
	Arsenic	4880	5000	98	90 - 110	P	06/27/2025	17:49	LB136319
	Barium	10400	10000	104	90 - 110	P	06/27/2025	17:49	LB136319
	Beryllium	254	250	102	90 - 110	P	06/27/2025	17:49	LB136319
	Cadmium	2480	2500	99	90 - 110	P	06/27/2025	17:49	LB136319
	Calcium	24900	25000	100	90 - 110	P	06/27/2025	17:49	LB136319
	Chromium	1030	1000	103	90 - 110	P	06/27/2025	17:49	LB136319
	Cobalt	2480	2500	99	90 - 110	P	06/27/2025	17:49	LB136319
	Copper	1280	1250	102	90 - 110	P	06/27/2025	17:49	LB136319
	Iron	5430	5000	109	90 - 110	P	06/27/2025	17:49	LB136319
	Lead	5000	5000	100	90 - 110	P	06/27/2025	17:49	LB136319
	Magnesium	25800	25000	103	90 - 110	P	06/27/2025	17:49	LB136319
	Manganese	2540	2500	102	90 - 110	P	06/27/2025	17:49	LB136319
	Nickel	2530	2500	101	90 - 110	P	06/27/2025	17:49	LB136319
	Potassium	25700	25000	103	90 - 110	P	06/27/2025	17:49	LB136319
	Selenium	5030	5000	101	90 - 110	P	06/27/2025	17:49	LB136319
	Silver	1220	1250	97	90 - 110	P	06/27/2025	17:49	LB136319
	Sodium	26100	25000	105	90 - 110	P	06/27/2025	17:49	LB136319
	Thallium	5060	5000	101	90 - 110	P	06/27/2025	17:49	LB136319
	Vanadium	2520	2500	101	90 - 110	P	06/27/2025	17:49	LB136319
	Zinc	2560	2500	102	90 - 110	P	06/27/2025	17:49	LB136319
CCV07	Aluminum	9940	10000	99	90 - 110	P	06/27/2025	18:41	LB136319
	Antimony	5140	5000	103	90 - 110	P	06/27/2025	18:41	LB136319
	Arsenic	5050	5000	101	90 - 110	P	06/27/2025	18:41	LB136319
	Barium	10600	10000	106	90 - 110	P	06/27/2025	18:41	LB136319

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Union Paving & Construction Company **SDG No.:** Q2393

Contract: UNIO02 **Lab Code:** CHEM **Case No.:** Q2393 **SAS No.:** Q2393

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
CCV07	Beryllium	260	250	104	90 - 110	P	06/27/2025	18:41	LB136319
	Cadmium	2550	2500	102	90 - 110	P	06/27/2025	18:41	LB136319
	Calcium	25300	25000	101	90 - 110	P	06/27/2025	18:41	LB136319
	Chromium	1030	1000	103	90 - 110	P	06/27/2025	18:41	LB136319
	Cobalt	2540	2500	102	90 - 110	P	06/27/2025	18:41	LB136319
	Copper	1310	1250	105	90 - 110	P	06/27/2025	18:41	LB136319
	Iron	5380	5000	108	90 - 110	P	06/27/2025	18:41	LB136319
	Lead	5120	5000	102	90 - 110	P	06/27/2025	18:41	LB136319
	Magnesium	26100	25000	104	90 - 110	P	06/27/2025	18:41	LB136319
	Manganese	2590	2500	103	90 - 110	P	06/27/2025	18:41	LB136319
	Nickel	2570	2500	103	90 - 110	P	06/27/2025	18:41	LB136319
	Potassium	26400	25000	106	90 - 110	P	06/27/2025	18:41	LB136319
	Selenium	5140	5000	103	90 - 110	P	06/27/2025	18:41	LB136319
	Silver	1240	1250	99	90 - 110	P	06/27/2025	18:41	LB136319
	Sodium	26800	25000	107	90 - 110	P	06/27/2025	18:41	LB136319
	Thallium	5190	5000	104	90 - 110	P	06/27/2025	18:41	LB136319
	Vanadium	2610	2500	104	90 - 110	P	06/27/2025	18:41	LB136319
	Zinc	2630	2500	105	90 - 110	P	06/27/2025	18:41	LB136319
CCV08	Aluminum	9930	10000	99	90 - 110	P	06/27/2025	19:29	LB136319
	Antimony	5100	5000	102	90 - 110	P	06/27/2025	19:29	LB136319
	Arsenic	5000	5000	100	90 - 110	P	06/27/2025	19:29	LB136319
	Barium	10500	10000	105	90 - 110	P	06/27/2025	19:29	LB136319
	Beryllium	256	250	102	90 - 110	P	06/27/2025	19:29	LB136319
	Cadmium	2520	2500	101	90 - 110	P	06/27/2025	19:29	LB136319
	Calcium	25100	25000	100	90 - 110	P	06/27/2025	19:29	LB136319
	Chromium	1010	1000	100	90 - 110	P	06/27/2025	19:29	LB136319
	Cobalt	2520	2500	101	90 - 110	P	06/27/2025	19:29	LB136319
	Copper	1290	1250	104	90 - 110	P	06/27/2025	19:29	LB136319
	Iron	5200	5000	104	90 - 110	P	06/27/2025	19:29	LB136319
	Lead	5040	5000	101	90 - 110	P	06/27/2025	19:29	LB136319
	Magnesium	25600	25000	102	90 - 110	P	06/27/2025	19:29	LB136319
	Manganese	2530	2500	101	90 - 110	P	06/27/2025	19:29	LB136319
	Nickel	2530	2500	101	90 - 110	P	06/27/2025	19:29	LB136319
	Potassium	26300	25000	105	90 - 110	P	06/27/2025	19:29	LB136319

Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: Union Paving & Construction Company SDG No.: Q2393

Contract: UNIO02 Lab Code: CHEM Case No.: Q2393 SAS No.: Q2393

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
CCV08	Selenium	5060	5000	101	90 - 110	P	06/27/2025	19:29	LB136319
	Silver	1220	1250	98	90 - 110	P	06/27/2025	19:29	LB136319
	Sodium	26500	25000	106	90 - 110	P	06/27/2025	19:29	LB136319
	Thallium	5130	5000	103	90 - 110	P	06/27/2025	19:29	LB136319
	Vanadium	2550	2500	102	90 - 110	P	06/27/2025	19:29	LB136319
	Zinc	2610	2500	104	90 - 110	P	06/27/2025	19:29	LB136319



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Fax : 908 789 8922

Metals

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CRDL STANDARD FOR AA & ICP

Client: Union Paving & Construction Company **SDG No.:** Q2393
Contract: UNIO02 **Lab Code:** CHEM **Case No.:** Q2393 **SAS No.:** Q2393
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	0.22	0.2	110	70 - 130	CV	06/26/2025	10:14	LB136362
CRI01	Aluminum	92.6	100	93	65 - 135	P	06/27/2025	12:58	LB136319
	Antimony	56.3	50.0	113	65 - 135	P	06/27/2025	12:58	LB136319
	Arsenic	16.9	20.0	84	65 - 135	P	06/27/2025	12:58	LB136319
	Barium	106	100	106	65 - 135	P	06/27/2025	12:58	LB136319
	Beryllium	6.39	6.0	106	65 - 135	P	06/27/2025	12:58	LB136319
	Cadmium	5.61	6.0	94	65 - 135	P	06/27/2025	12:58	LB136319
	Calcium	2090	2000	104	65 - 135	P	06/27/2025	12:58	LB136319
	Chromium	12.6	10.0	126	65 - 135	P	06/27/2025	12:58	LB136319
	Cobalt	30.4	30.0	101	65 - 135	P	06/27/2025	12:58	LB136319
	Copper	23.3	20.0	116	65 - 135	P	06/27/2025	12:58	LB136319
	Iron	109	100	108	65 - 135	P	06/27/2025	12:58	LB136319
	Lead	12.2	12.0	101	65 - 135	P	06/27/2025	12:58	LB136319
	Magnesium	2330	2000	117	65 - 135	P	06/27/2025	12:58	LB136319
	Manganese	22.7	20.0	114	65 - 135	P	06/27/2025	12:58	LB136319
	Nickel	40.0	40.0	100	65 - 135	P	06/27/2025	12:58	LB136319
	Potassium	1640	2000	82	65 - 135	P	06/27/2025	12:58	LB136319
	Selenium	20.1	20.0	100	65 - 135	P	06/27/2025	12:58	LB136319
	Silver	11.2	10.0	112	65 - 135	P	06/27/2025	12:58	LB136319
	Sodium	1900	2000	95	65 - 135	P	06/27/2025	12:58	LB136319
	Thallium	40.8	40.0	102	65 - 135	P	06/27/2025	12:58	LB136319
	Vanadium	39.3	40.0	98	65 - 135	P	06/27/2025	12:58	LB136319
	Zinc	34.2	40.0	86	65 - 135	P	06/27/2025	12:58	LB136319



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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Union Paving & Construction Company

SDG No.: Q2393

Contract: UNIO02

Lab Code: CHEM

Case No.: Q2393

SAS No.: Q2393

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB06	Mercury	0.076	+/-0.2	U	0.20	CV	06/26/2025	10:07	LB136362

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Union Paving & Construction Company

SDG No.: Q2393

Contract: UNIO02

Lab Code: CHEM

Case No.: Q2393

SAS No.: Q2393

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB16	Mercury	0.076	+/-0.2	U	0.20	CV	06/26/2025	10:11	LB136362
CCB17	Mercury	0.076	+/-0.2	U	0.20	CV	06/26/2025	10:39	LB136362
CCB18	Mercury	0.076	+/-0.2	U	0.20	CV	06/26/2025	11:09	LB136362
CCB19	Mercury	0.076	+/-0.2	U	0.20	CV	06/26/2025	11:30	LB136362

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Union Paving & Construction Company

SDG No.: Q2393

Contract: UNIO02

Lab Code: CHEM

Case No.: Q2393

SAS No.: Q2393

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	11.3	+/-50	U	100	P	06/27/2025	12:54	LB136319
	Antimony	6.76	+/-25	U	50.0	P	06/27/2025	12:54	LB136319
	Arsenic	5.12	+/-10	U	20.0	P	06/27/2025	12:54	LB136319
	Barium	14.6	+/-50	U	100	P	06/27/2025	12:54	LB136319
	Beryllium	0.56	+/-3	U	6.00	P	06/27/2025	12:54	LB136319
	Cadmium	0.50	+/-3	U	6.00	P	06/27/2025	12:54	LB136319
	Calcium	234	+/-1000	U	2000	P	06/27/2025	12:54	LB136319
	Chromium	2.12	+/-5	U	10.0	P	06/27/2025	12:54	LB136319
	Cobalt	2.26	+/-15	U	30.0	P	06/27/2025	12:54	LB136319
	Copper	4.60	+/-10	U	20.0	P	06/27/2025	12:54	LB136319
	Iron	23.4	+/-50	U	100	P	06/27/2025	12:54	LB136319
	Lead	2.30	+/-6	U	12.0	P	06/27/2025	12:54	LB136319
	Magnesium	244	+/-1000	U	2000	P	06/27/2025	12:54	LB136319
	Manganese	5.94	+/-10	U	20.0	P	06/27/2025	12:54	LB136319
	Nickel	3.06	+/-20	U	40.0	P	06/27/2025	12:54	LB136319
	Potassium	918	+/-1000	U	2000	P	06/27/2025	12:54	LB136319
	Selenium	9.64	+/-10	U	20.0	P	06/27/2025	12:54	LB136319
	Silver	1.62	+/-5	U	10.0	P	06/27/2025	12:54	LB136319
	Sodium	868	+/-1000	U	2000	P	06/27/2025	12:54	LB136319
	Thallium	4.38	+/-20	U	40.0	P	06/27/2025	12:54	LB136319
	Vanadium	6.26	+/-20	U	40.0	P	06/27/2025	12:54	LB136319
	Zinc	3.50	+/-20	U	40.0	P	06/27/2025	12:54	LB136319

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Union Paving & Construction Company

SDG No.: Q2393

Contract: UNIO02

Lab Code: CHEM

Case No.: Q2393

SAS No.: Q2393

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	11.3	+/-50	U	100	P	06/27/2025	13:31	LB136319
	Antimony	6.76	+/-25	U	50.0	P	06/27/2025	13:31	LB136319
	Arsenic	5.12	+/-10	U	20.0	P	06/27/2025	13:31	LB136319
	Barium	14.6	+/-50	U	100	P	06/27/2025	13:31	LB136319
	Beryllium	0.56	+/-3	U	6.00	P	06/27/2025	13:31	LB136319
	Cadmium	0.50	+/-3	U	6.00	P	06/27/2025	13:31	LB136319
	Calcium	234	+/-1000	U	2000	P	06/27/2025	13:31	LB136319
	Chromium	2.12	+/-5	U	10.0	P	06/27/2025	13:31	LB136319
	Cobalt	2.26	+/-15	U	30.0	P	06/27/2025	13:31	LB136319
	Copper	4.60	+/-10	U	20.0	P	06/27/2025	13:31	LB136319
	Iron	23.4	+/-50	U	100	P	06/27/2025	13:31	LB136319
	Lead	2.30	+/-6	U	12.0	P	06/27/2025	13:31	LB136319
	Magnesium	244	+/-1000	U	2000	P	06/27/2025	13:31	LB136319
	Manganese	5.94	+/-10	U	20.0	P	06/27/2025	13:31	LB136319
	Nickel	3.06	+/-20	U	40.0	P	06/27/2025	13:31	LB136319
	Potassium	918	+/-1000	U	2000	P	06/27/2025	13:31	LB136319
	Selenium	9.64	+/-10	U	20.0	P	06/27/2025	13:31	LB136319
	Silver	1.62	+/-5	U	10.0	P	06/27/2025	13:31	LB136319
	Sodium	868	+/-1000	U	2000	P	06/27/2025	13:31	LB136319
	Thallium	4.38	+/-20	U	40.0	P	06/27/2025	13:31	LB136319
	Vanadium	6.26	+/-20	U	40.0	P	06/27/2025	13:31	LB136319
	Zinc	3.50	+/-20	U	40.0	P	06/27/2025	13:31	LB136319
CCB02	Aluminum	11.3	+/-50	U	100	P	06/27/2025	14:24	LB136319
	Antimony	6.76	+/-25	U	50.0	P	06/27/2025	14:24	LB136319
	Arsenic	5.12	+/-10	U	20.0	P	06/27/2025	14:24	LB136319
	Barium	14.6	+/-50	U	100	P	06/27/2025	14:24	LB136319
	Beryllium	0.56	+/-3	U	6.00	P	06/27/2025	14:24	LB136319
	Cadmium	0.50	+/-3	U	6.00	P	06/27/2025	14:24	LB136319
	Calcium	234	+/-1000	U	2000	P	06/27/2025	14:24	LB136319
	Chromium	2.12	+/-5	U	10.0	P	06/27/2025	14:24	LB136319
	Cobalt	2.26	+/-15	U	30.0	P	06/27/2025	14:24	LB136319
	Copper	4.60	+/-10	U	20.0	P	06/27/2025	14:24	LB136319
	Iron	23.4	+/-50	U	100	P	06/27/2025	14:24	LB136319
	Lead	2.30	+/-6	U	12.0	P	06/27/2025	14:24	LB136319
	Magnesium	244	+/-1000	U	2000	P	06/27/2025	14:24	LB136319
	Manganese	5.94	+/-10	U	20.0	P	06/27/2025	14:24	LB136319
	Nickel	3.06	+/-20	U	40.0	P	06/27/2025	14:24	LB136319
	Potassium	918	+/-1000	U	2000	P	06/27/2025	14:24	LB136319
	Selenium	9.64	+/-10	U	20.0	P	06/27/2025	14:24	LB136319

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Union Paving & Construction Company

SDG No.: Q2393

Contract: UNIO02

Lab Code: CHEM

Case No.: Q2393

SAS No.: Q2393

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	1.62	+/-5	U	10.0	P	06/27/2025	14:24	LB136319
	Sodium	868	+/-1000	U	2000	P	06/27/2025	14:24	LB136319
	Thallium	4.38	+/-20	U	40.0	P	06/27/2025	14:24	LB136319
	Vanadium	6.26	+/-20	U	40.0	P	06/27/2025	14:24	LB136319
	Zinc	3.50	+/-20	U	40.0	P	06/27/2025	14:24	LB136319
CCB03	Aluminum	11.3	+/-50	U	100	P	06/27/2025	15:16	LB136319
	Antimony	6.76	+/-25	U	50.0	P	06/27/2025	15:16	LB136319
	Arsenic	5.12	+/-10	U	20.0	P	06/27/2025	15:16	LB136319
	Barium	14.6	+/-50	U	100	P	06/27/2025	15:16	LB136319
	Beryllium	0.56	+/-3	U	6.00	P	06/27/2025	15:16	LB136319
	Cadmium	0.50	+/-3	U	6.00	P	06/27/2025	15:16	LB136319
	Calcium	234	+/-1000	U	2000	P	06/27/2025	15:16	LB136319
	Chromium	2.12	+/-5	U	10.0	P	06/27/2025	15:16	LB136319
	Cobalt	2.26	+/-15	U	30.0	P	06/27/2025	15:16	LB136319
	Copper	4.60	+/-10	U	20.0	P	06/27/2025	15:16	LB136319
	Iron	23.4	+/-50	U	100	P	06/27/2025	15:16	LB136319
	Lead	2.30	+/-6	U	12.0	P	06/27/2025	15:16	LB136319
	Magnesium	244	+/-1000	U	2000	P	06/27/2025	15:16	LB136319
	Manganese	5.94	+/-10	U	20.0	P	06/27/2025	15:16	LB136319
	Nickel	3.06	+/-20	U	40.0	P	06/27/2025	15:16	LB136319
	Potassium	918	+/-1000	U	2000	P	06/27/2025	15:16	LB136319
	Selenium	9.64	+/-10	U	20.0	P	06/27/2025	15:16	LB136319
	Silver	1.62	+/-5	U	10.0	P	06/27/2025	15:16	LB136319
	Sodium	868	+/-1000	U	2000	P	06/27/2025	15:16	LB136319
	Thallium	4.38	+/-20	U	40.0	P	06/27/2025	15:16	LB136319
	Vanadium	6.26	+/-20	U	40.0	P	06/27/2025	15:16	LB136319
	Zinc	3.50	+/-20	U	40.0	P	06/27/2025	15:16	LB136319
CCB04	Aluminum	11.3	+/-50	U	100	P	06/27/2025	16:09	LB136319
	Antimony	6.76	+/-25	U	50.0	P	06/27/2025	16:09	LB136319
	Arsenic	5.12	+/-10	U	20.0	P	06/27/2025	16:09	LB136319
	Barium	14.6	+/-50	U	100	P	06/27/2025	16:09	LB136319
	Beryllium	0.56	+/-3	U	6.00	P	06/27/2025	16:09	LB136319
	Cadmium	0.50	+/-3	U	6.00	P	06/27/2025	16:09	LB136319
	Calcium	234	+/-1000	U	2000	P	06/27/2025	16:09	LB136319
	Chromium	2.12	+/-5	U	10.0	P	06/27/2025	16:09	LB136319
	Cobalt	2.26	+/-15	U	30.0	P	06/27/2025	16:09	LB136319
	Copper	4.60	+/-10	U	20.0	P	06/27/2025	16:09	LB136319
	Iron	23.4	+/-50	U	100	P	06/27/2025	16:09	LB136319
	Lead	2.30	+/-6	U	12.0	P	06/27/2025	16:09	LB136319

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Union Paving & Construction Company

SDG No.: Q2393

Contract: UNIO02

Lab Code: CHEM

Case No.: Q2393

SAS No.: Q2393

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	244	+/-1000	U	2000	P	06/27/2025	16:09	LB136319
	Manganese	5.94	+/-10	U	20.0	P	06/27/2025	16:09	LB136319
	Nickel	3.06	+/-20	U	40.0	P	06/27/2025	16:09	LB136319
	Potassium	918	+/-1000	U	2000	P	06/27/2025	16:09	LB136319
	Selenium	9.64	+/-10	U	20.0	P	06/27/2025	16:09	LB136319
	Silver	1.62	+/-5	U	10.0	P	06/27/2025	16:09	LB136319
	Sodium	868	+/-1000	U	2000	P	06/27/2025	16:09	LB136319
	Thallium	4.38	+/-20	U	40.0	P	06/27/2025	16:09	LB136319
	Vanadium	6.26	+/-20	U	40.0	P	06/27/2025	16:09	LB136319
	Zinc	3.50	+/-20	U	40.0	P	06/27/2025	16:09	LB136319
CCB05	Aluminum	11.3	+/-50	U	100	P	06/27/2025	17:01	LB136319
	Antimony	6.76	+/-25	U	50.0	P	06/27/2025	17:01	LB136319
	Arsenic	5.12	+/-10	U	20.0	P	06/27/2025	17:01	LB136319
	Barium	14.6	+/-50	U	100	P	06/27/2025	17:01	LB136319
	Beryllium	0.56	+/-3	U	6.00	P	06/27/2025	17:01	LB136319
	Cadmium	0.50	+/-3	U	6.00	P	06/27/2025	17:01	LB136319
	Calcium	234	+/-1000	U	2000	P	06/27/2025	17:01	LB136319
	Chromium	2.12	+/-5	U	10.0	P	06/27/2025	17:01	LB136319
	Cobalt	2.26	+/-15	U	30.0	P	06/27/2025	17:01	LB136319
	Copper	4.60	+/-10	U	20.0	P	06/27/2025	17:01	LB136319
	Iron	23.4	+/-50	U	100	P	06/27/2025	17:01	LB136319
	Lead	2.30	+/-6	U	12.0	P	06/27/2025	17:01	LB136319
	Magnesium	244	+/-1000	U	2000	P	06/27/2025	17:01	LB136319
	Manganese	5.94	+/-10	U	20.0	P	06/27/2025	17:01	LB136319
	Nickel	3.06	+/-20	U	40.0	P	06/27/2025	17:01	LB136319
	Potassium	918	+/-1000	U	2000	P	06/27/2025	17:01	LB136319
	Selenium	9.64	+/-10	U	20.0	P	06/27/2025	17:01	LB136319
	Silver	1.62	+/-5	U	10.0	P	06/27/2025	17:01	LB136319
	Sodium	868	+/-1000	U	2000	P	06/27/2025	17:01	LB136319
	Thallium	4.38	+/-20	U	40.0	P	06/27/2025	17:01	LB136319
	Vanadium	6.26	+/-20	U	40.0	P	06/27/2025	17:01	LB136319
	Zinc	3.50	+/-20	U	40.0	P	06/27/2025	17:01	LB136319
CCB06	Aluminum	11.3	+/-50	U	100	P	06/27/2025	17:53	LB136319
	Antimony	6.76	+/-25	U	50.0	P	06/27/2025	17:53	LB136319
	Arsenic	5.12	+/-10	U	20.0	P	06/27/2025	17:53	LB136319
	Barium	14.6	+/-50	U	100	P	06/27/2025	17:53	LB136319
	Beryllium	0.56	+/-3	U	6.00	P	06/27/2025	17:53	LB136319
	Cadmium	0.50	+/-3	U	6.00	P	06/27/2025	17:53	LB136319
	Calcium	234	+/-1000	U	2000	P	06/27/2025	17:53	LB136319

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Union Paving & Construction Company		SDG No.: Q2393							
Contract: UNIO02	Lab Code: CHEM	Case No.: Q2393	SAS No.: Q2393						
Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB06	Chromium	2.12	+/-5	U	10.0	P	06/27/2025	17:53	LB136319
	Cobalt	2.26	+/-15	U	30.0	P	06/27/2025	17:53	LB136319
	Copper	4.60	+/-10	U	20.0	P	06/27/2025	17:53	LB136319
	Iron	23.4	+/-50	U	100	P	06/27/2025	17:53	LB136319
	Lead	2.30	+/-6	U	12.0	P	06/27/2025	17:53	LB136319
	Magnesium	244	+/-1000	U	2000	P	06/27/2025	17:53	LB136319
	Manganese	5.94	+/-10	U	20.0	P	06/27/2025	17:53	LB136319
	Nickel	3.06	+/-20	U	40.0	P	06/27/2025	17:53	LB136319
	Potassium	918	+/-1000	U	2000	P	06/27/2025	17:53	LB136319
	Selenium	9.64	+/-10	U	20.0	P	06/27/2025	17:53	LB136319
	Silver	1.62	+/-5	U	10.0	P	06/27/2025	17:53	LB136319
	Sodium	868	+/-1000	U	2000	P	06/27/2025	17:53	LB136319
	Thallium	4.38	+/-20	U	40.0	P	06/27/2025	17:53	LB136319
	Vanadium	6.26	+/-20	U	40.0	P	06/27/2025	17:53	LB136319
	Zinc	3.50	+/-20	U	40.0	P	06/27/2025	17:53	LB136319
CCB07	Aluminum	11.3	+/-50	U	100	P	06/27/2025	18:46	LB136319
	Antimony	6.76	+/-25	U	50.0	P	06/27/2025	18:46	LB136319
	Arsenic	5.12	+/-10	U	20.0	P	06/27/2025	18:46	LB136319
	Barium	14.6	+/-50	U	100	P	06/27/2025	18:46	LB136319
	Beryllium	0.56	+/-3	U	6.00	P	06/27/2025	18:46	LB136319
	Cadmium	0.50	+/-3	U	6.00	P	06/27/2025	18:46	LB136319
	Calcium	234	+/-1000	U	2000	P	06/27/2025	18:46	LB136319
	Chromium	2.12	+/-5	U	10.0	P	06/27/2025	18:46	LB136319
	Cobalt	2.26	+/-15	U	30.0	P	06/27/2025	18:46	LB136319
	Copper	4.60	+/-10	U	20.0	P	06/27/2025	18:46	LB136319
	Iron	23.4	+/-50	U	100	P	06/27/2025	18:46	LB136319
	Lead	2.30	+/-6	U	12.0	P	06/27/2025	18:46	LB136319
	Magnesium	244	+/-1000	U	2000	P	06/27/2025	18:46	LB136319
	Manganese	5.94	+/-10	U	20.0	P	06/27/2025	18:46	LB136319
	Nickel	3.06	+/-20	U	40.0	P	06/27/2025	18:46	LB136319
	Potassium	918	+/-1000	U	2000	P	06/27/2025	18:46	LB136319
	Selenium	9.64	+/-10	U	20.0	P	06/27/2025	18:46	LB136319
	Silver	1.62	+/-5	U	10.0	P	06/27/2025	18:46	LB136319
	Sodium	868	+/-1000	U	2000	P	06/27/2025	18:46	LB136319
	Thallium	4.38	+/-20	U	40.0	P	06/27/2025	18:46	LB136319
	Vanadium	6.26	+/-20	U	40.0	P	06/27/2025	18:46	LB136319
	Zinc	3.50	+/-20	U	40.0	P	06/27/2025	18:46	LB136319
CCB08	Aluminum	11.3	+/-50	U	100	P	06/27/2025	19:33	LB136319
	Antimony	6.76	+/-25	U	50.0	P	06/27/2025	19:33	LB136319

Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: Union Paving & Construction Company

SDG No.: Q2393

Contract: UNIO02

Lab Code: CHEM

Case No.: Q2393

SAS No.: Q2393

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB08	Arsenic	5.12	+/-10	U	20.0	P	06/27/2025	19:33	LB136319
	Barium	14.6	+/-50	U	100	P	06/27/2025	19:33	LB136319
	Beryllium	0.56	+/-3	U	6.00	P	06/27/2025	19:33	LB136319
	Cadmium	0.50	+/-3	U	6.00	P	06/27/2025	19:33	LB136319
	Calcium	234	+/-1000	U	2000	P	06/27/2025	19:33	LB136319
	Chromium	2.12	+/-5	U	10.0	P	06/27/2025	19:33	LB136319
	Cobalt	2.26	+/-15	U	30.0	P	06/27/2025	19:33	LB136319
	Copper	4.60	+/-10	U	20.0	P	06/27/2025	19:33	LB136319
	Iron	23.4	+/-50	U	100	P	06/27/2025	19:33	LB136319
	Lead	2.30	+/-6	U	12.0	P	06/27/2025	19:33	LB136319
	Magnesium	244	+/-1000	U	2000	P	06/27/2025	19:33	LB136319
	Manganese	5.94	+/-10	U	20.0	P	06/27/2025	19:33	LB136319
	Nickel	3.06	+/-20	U	40.0	P	06/27/2025	19:33	LB136319
	Potassium	918	+/-1000	U	2000	P	06/27/2025	19:33	LB136319
	Selenium	9.64	+/-10	U	20.0	P	06/27/2025	19:33	LB136319
	Silver	1.62	+/-5	U	10.0	P	06/27/2025	19:33	LB136319
	Sodium	868	+/-1000	U	2000	P	06/27/2025	19:33	LB136319
	Thallium	4.38	+/-20	U	40.0	P	06/27/2025	19:33	LB136319
	Vanadium	6.26	+/-20	U	40.0	P	06/27/2025	19:33	LB136319
	Zinc	3.50	+/-20	U	40.0	P	06/27/2025	19:33	LB136319

Metals
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PREPARATION BLANK SUMMARY

Client: Union Paving & Construction Company

SDG No.: Q2393

Instrument: CV1

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB168616BL		SOLID		Batch Number:	PB168616		Prep Date:	06/24/2025	
	Mercury	0.0080	<0.014	U	0.014	CV	06/26/2025	10:21	LB136362

Metals
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PREPARATION BLANK SUMMARY

Client: Union Paving & Construction Company

SDG No.: Q2393

Instrument: P5

Sample ID	Analyte	Result (mg/Kg)	Acceptance Limit	Conc Qual	CRQL mg/Kg	M	Analysis Date	Analysis Time	Run
PB168598BL	SOLID			Batch Number:	PB168598		Prep Date:	06/24/2025	
	Aluminum	0.84	<2.5	U	5.00	P	06/27/2025	15:55	LB136319
	Antimony	0.22	<1.25	U	2.50	P	06/27/2025	15:55	LB136319
	Arsenic	0.19	<0.5	U	1.00	P	06/27/2025	15:55	LB136319
	Barium	0.73	<2.5	U	5.00	P	06/27/2025	15:55	LB136319
	Beryllium	0.025	<0.15	U	0.30	P	06/27/2025	15:55	LB136319
	Cadmium	0.024	<0.15	U	0.30	P	06/27/2025	15:55	LB136319
	Calcium	11.1	<50	U	100	P	06/27/2025	15:55	LB136319
	Chromium	0.047	<0.25	U	0.50	P	06/27/2025	15:55	LB136319
	Cobalt	0.10	<0.75	U	1.50	P	06/27/2025	15:55	LB136319
	Copper	0.22	<0.5	U	1.00	P	06/27/2025	15:55	LB136319
	Iron	3.99	<2.5	U	5.00	P	06/27/2025	15:55	LB136319
	Lead	0.13	<0.3	U	0.60	P	06/27/2025	15:55	LB136319
	Magnesium	12.0	<50	U	100	P	06/27/2025	15:55	LB136319
	Manganese	0.14	<0.5	U	1.00	P	06/27/2025	15:55	LB136319
	Nickel	0.13	<1	U	2.00	P	06/27/2025	15:55	LB136319
	Potassium	27.7	<50	U	100	P	06/27/2025	15:55	LB136319
	Selenium	0.26	<0.5	U	1.00	P	06/27/2025	15:55	LB136319
	Silver	0.12	<0.25	U	0.50	P	06/27/2025	15:55	LB136319
	Sodium	17.8	<50	U	100	P	06/27/2025	15:55	LB136319
	Thallium	0.23	<1	U	2.00	P	06/27/2025	15:55	LB136319
	Vanadium	0.25	<1	U	2.00	P	06/27/2025	15:55	LB136319
	Zinc	0.11	<1	U	2.00	P	06/27/2025	15:55	LB136319

Metals
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INTERFERENCE CHECK SAMPLE

Client: Union Paving & Construction Company **SDG No.:** Q2393
Contract: UNIO02 **Lab Code:** CHEM **Case No.:** Q2393 **SAS No.:** Q2393
ICS Source: EPA **Instrument ID:** P5

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	Aluminum	240000	250000	96	216000	294000	06/27/2025	13:04	LB136319
	Antimony	21.2			-50	50	06/27/2025	13:04	LB136319
	Arsenic	1.80			-20	20	06/27/2025	13:04	LB136319
	Barium	5.72	6.0	95	-94	106	06/27/2025	13:04	LB136319
	Beryllium	1.16			-6	6	06/27/2025	13:04	LB136319
	Cadmium	-1.37	1.0	137	-5	7	06/27/2025	13:04	LB136319
	Calcium	237000	240000	99	208000	282000	06/27/2025	13:04	LB136319
	Chromium	49.2	52.0	95	42	62	06/27/2025	13:04	LB136319
	Cobalt	29.0			-30	30	06/27/2025	13:04	LB136319
	Copper	-5.04	2.0	252	-18	22	06/27/2025	13:04	LB136319
	Iron	101000	100000	101	85600	116500	06/27/2025	13:04	LB136319
	Lead	-0.17			-12	12	06/27/2025	13:04	LB136319
	Magnesium	257000	260000	99	216000	294000	06/27/2025	13:04	LB136319
	Manganese	5.41	7.0	77	-13	27	06/27/2025	13:04	LB136319
	Nickel	6.13	2.0	306	-38	42	06/27/2025	13:04	LB136319
	Potassium	10.4			0	0	06/27/2025	13:04	LB136319
	Selenium	4.19			-20	20	06/27/2025	13:04	LB136319
	Silver	4.58			-10	10	06/27/2025	13:04	LB136319
	Sodium	137			0	0	06/27/2025	13:04	LB136319
	Thallium	17.3			-40	40	06/27/2025	13:04	LB136319
	Vanadium	5.71			-40	40	06/27/2025	13:04	LB136319
	Zinc	3.40			-40	40	06/27/2025	13:04	LB136319
ICSAB01	Aluminum	236000	250000	94	209000	285000	06/27/2025	13:09	LB136319
	Antimony	633	620	102	525	711	06/27/2025	13:09	LB136319
	Arsenic	100	100	100	88.4	120	06/27/2025	13:09	LB136319
	Barium	518	540	96	437	637	06/27/2025	13:09	LB136319
	Beryllium	504	500	101	420	570	06/27/2025	13:09	LB136319
	Cadmium	994	970	102	826	1120	06/27/2025	13:09	LB136319
	Calcium	233000	230000	101	199000	271000	06/27/2025	13:09	LB136319
	Chromium	521	540	96	460	624	06/27/2025	13:09	LB136319
	Cobalt	519	480	108	404	548	06/27/2025	13:09	LB136319
	Copper	479	510	94	434	588	06/27/2025	13:09	LB136319
	Iron	99300	99000	100	84400	114500	06/27/2025	13:09	LB136319
	Lead	47.5	49.0	97	37	61	06/27/2025	13:09	LB136319
	Magnesium	252000	250000	101	210000	286000	06/27/2025	13:09	LB136319
	Manganese	502	510	98	430	584	06/27/2025	13:09	LB136319
	Nickel	975	950	103	810	1100	06/27/2025	13:09	LB136319
	Potassium	6.48			0	0	06/27/2025	13:09	LB136319
	Selenium	55.8	46.0	121	26	66	06/27/2025	13:09	LB136319
	Silver	195	200	98	170	232	06/27/2025	13:09	LB136319
	Sodium	135			0	0	06/27/2025	13:09	LB136319
	Thallium	102	110	93	68	148	06/27/2025	13:09	LB136319

Metals

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INTERFERENCE CHECK SAMPLE

Client: Union Paving & Construction Company **SDG No.:** Q2393
Contract: UNIO02 **Lab Code:** CHEM **Case No.:** Q2393 **SAS No.:** Q2393
ICS Source: EPA **Instrument ID:** P5

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
ICSAB01	Vanadium	487	490	99	417	565	06/27/2025	13:09	LB136319
	Zinc	1030	950	108	809	1095	06/27/2025	13:09	LB136319



METAL QC DATA

metals
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MATRIX SPIKE SUMMARY

client: Union Paving & Construction Company **level:** low **sdg no.:** Q2393
contract: UNIO02 **lab code:** CHEM **case no.:** Q2393 **sas no.:** Q2393
matrix: Solid **sample id:** Q2393-11 **client id:** PARK AVE -6MS
Percent Solids for Sample: 86.8 **Spiked ID:** Q2393-11MS **Percent Solids for Spike Sample:** 86.8

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	9700		8830		100	857		P
Antimony	mg/Kg	75 - 125	12.5		2.40	J	40.6	25	N	P
Arsenic	mg/Kg	75 - 125	41.0		4.93		40.6	89		P
Barium	mg/Kg	75 - 125	57.6		49.4		10.2	81		P
Beryllium	mg/Kg	75 - 125	8.36		0.96		10.2	73	N	P
Cadmium	mg/Kg	75 - 125	9.50		0.31	U	10.2	94		P
Calcium	mg/Kg	75 - 125	4960		6090		50.8	-2234		P
Chromium	mg/Kg	75 - 125	25.8		17.9		20.3	39	N	P
Cobalt	mg/Kg	75 - 125	20.9		12.7		10.2	80		P
Copper	mg/Kg	75 - 125	27.9		29.5		15.2	-11	N	P
Iron	mg/Kg	75 - 125	18500		37800		150	-12673		P
Lead	mg/Kg	75 - 125	60.9		15.5		50.8	90		P
Magnesium	mg/Kg	75 - 125	2490		2600		100	-105		P
Manganese	mg/Kg	75 - 125	342		575		10.2	-2292		P
Nickel	mg/Kg	75 - 125	37.3		21.3		25.4	63	N	P
Potassium	mg/Kg	75 - 125	1110		692		510	82		P
Selenium	mg/Kg	75 - 125	74.2		11.5		100	62	N	P
Silver	mg/Kg	75 - 125	3.24		1.34		3.8	50	N	P
Sodium	mg/Kg	75 - 125	404		363		150	27	N	P
Thallium	mg/Kg	75 - 125	93.4		2.06	U	100	92		P
Vanadium	mg/Kg	75 - 125	43.5		34.8		15.2	58	N	P
Zinc	mg/Kg	75 - 125	39.2		38.0		10.2	13	N	P

metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: Union Paving & Construction Company **level:** low **sdg no.:** Q2393
contract: UNIO02 **lab code:** CHEM **case no.:** Q2393 **sas no.:** Q2393
matrix: Solid **sample id:** Q2393-11 **client id:** PARK AVE -6MSD
Percent Solids for Sample: 86.8 **Spiked ID:** Q2393-11MSD **Percent Solids for Spike Sample:** 86.8

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	mg/Kg	75 - 125	8190		8830		100	-621		P
Antimony	mg/Kg	75 - 125	14.0		2.40	J	41.5	28	N	P
Arsenic	mg/Kg	75 - 125	44.0		4.93		41.5	94		P
Barium	mg/Kg	75 - 125	48.5		49.4		10.4	-9		P
Beryllium	mg/Kg	75 - 125	9.06		0.96		10.4	78		P
Cadmium	mg/Kg	75 - 125	10.4		0.31	U	10.4	100		P
Calcium	mg/Kg	75 - 125	6420		6090		51.9	633		P
Chromium	mg/Kg	75 - 125	25.4		17.9		20.8	36	N	P
Cobalt	mg/Kg	75 - 125	19.5		12.7		10.4	66	N	P
Copper	mg/Kg	75 - 125	27.6		29.5		15.6	-12	N	P
Iron	mg/Kg	75 - 125	15300		37800		160	-14476		P
Lead	mg/Kg	75 - 125	62.6		15.5		51.9	91		P
Magnesium	mg/Kg	75 - 125	2220		2600		100	-362		P
Manganese	mg/Kg	75 - 125	267		575		10.4	-2963		P
Nickel	mg/Kg	75 - 125	36.6		21.3		25.9	59	N	P
Potassium	mg/Kg	75 - 125	1070		692		520	72	N	P
Selenium	mg/Kg	75 - 125	82.2		11.5		100	68	N	P
Silver	mg/Kg	75 - 125	3.43		1.34		3.9	54	N	P
Sodium	mg/Kg	75 - 125	412		363		160	32	N	P
Thallium	mg/Kg	75 - 125	102		2.06	U	100	98		P
Vanadium	mg/Kg	75 - 125	37.2		34.8		15.6	16	N	P
Zinc	mg/Kg	75 - 125	36.0		38.0		10.4	-19	N	P

metals
- 5a -
MATRIX SPIKE SUMMARY

client: <u>Union Paving & Construction Company</u>	level: <u>low</u>	sdg no.: <u>Q2393</u>
contract: <u>UNIO02</u>	lab code: <u>CHEM</u>	case no.: <u>Q2393</u> sas no.: <u>Q2393</u>
matrix: <u>Solid</u>	sample id: <u>Q2403-07</u>	client id: <u>ARS 20-0006MS</u>
Percent Solids for Sample: 95.2	Spiked ID: Q2403-07MS	Percent Solids for Spike Sample: 95.2

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.29		0.037		0.26	96		CV

metals
- 5a -
MATRIX SPIKE DUPLICATE SUMMARY

client: Union Paving & Construction Company **level:** low **sdg no.:** Q2393
contract: UNIO02 **lab code:** CHEM **case no.:** Q2393 **sas no.:** Q2393
matrix: Solid **sample id:** Q2403-07 **client id:** ARS 20-0006MSD
Percent Solids for Sample: 95.2 **Spiked ID:** Q2403-07MSD **Percent Solids for Spike Sample:** 95.2

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Mercury	mg/Kg	80 - 120	0.29		0.037		0.28	89		CV

Metals
- 5b -
POST DIGEST SPIKE SUMMARY

Client: Union Paving & Construction Company **SDG No.:** Q2393
Contract: UNIO02 **Lab Code:** CHEM **Case No.:** Q2393 **SAS No.:** Q2393
Matrix: Solid **Level:** LOW **Client ID:** PARK AVE -6A
Sample ID: Q2393-11 **Spiked ID:** Q2393-11A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Antimony	mg/Kg	75 - 125	31.9		2.40	J	41.1	72	N	P
Beryllium	mg/Kg	75 - 125	8.54		0.96		10.3	74	N	P
Chromium	mg/Kg	75 - 125	31.4		17.9		20.6	66	N	P
Cobalt	mg/Kg	75 - 125	21.9		12.7		10.3	89		P
Copper	mg/Kg	75 - 125	40.5		29.5		15.4	71	N	P
Nickel	mg/Kg	75 - 125	44.4		21.3		25.7	90		P
Potassium	mg/Kg	75 - 125	1120		692		510	83		P
Selenium	mg/Kg	75 - 125	83.8		11.5		100	72	N	P
Silver	mg/Kg	75 - 125	3.87		1.34		3.90	65	N	P
Sodium	mg/Kg	75 - 125	466		363		150	69	N	P
Vanadium	mg/Kg	75 - 125	44.4		34.8		15.4	62	N	P
Zinc	mg/Kg	75 - 125	44.0		38.0		10.3	58	N	P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Union Paving & Construction Company **Level:** LOW **SDG No.:** Q2393
Contract: UNIO02 **Lab Code:** CHEM **Case No.:** Q2393 **SAS No.:** Q2393
Matrix: Solid **Sample ID:** Q2393-11 **Client ID:** PARK AVE -6DUP
Percent Solids for Sample: 86.8 **Duplicate ID** Q2393-11DUP **Percent Solids for Spike Sample:** 86.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	8830		9470		7		P
Antimony	mg/Kg	20	2.40	J	1.60	J	40	*	P
Arsenic	mg/Kg	20	4.93		3.59		31	*	P
Barium	mg/Kg	20	49.4		48.2		2		P
Beryllium	mg/Kg	20	0.96		0.79		20		P
Cadmium	mg/Kg	20	0.31	U	0.28	U			P
Calcium	mg/Kg	20	6090		7650		23	*	P
Chromium	mg/Kg	20	17.9		11.9		40	*	P
Cobalt	mg/Kg	20	12.7		11.9		7		P
Copper	mg/Kg	20	29.5		19.0		43	*	P
Iron	mg/Kg	20	37800		17800		72	*	P
Lead	mg/Kg	20	15.5		16.1		4		P
Magnesium	mg/Kg	20	2600		2890		11		P
Manganese	mg/Kg	20	575		343		51	*	P
Nickel	mg/Kg	20	21.3		13.2		47	*	P
Potassium	mg/Kg	20	692		685		1		P
Selenium	mg/Kg	20	11.5		4.99		79	*	P
Silver	mg/Kg	20	1.34		0.52		88	*	P
Sodium	mg/Kg	20	363		304		18		P
Thallium	mg/Kg	20	2.06	U	1.89	U			P
Vanadium	mg/Kg	20	34.8		31.9		9		P
Zinc	mg/Kg	20	38.0		31.5		19		P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client: Union Paving & Construction Company **Level:** LOW **SDG No.:** Q2393
Contract: UNIO02 **Lab Code:** CHEM **Case No.:** Q2393 **SAS No.:** Q2393
Matrix: Solid **Sample ID:** Q2393-11MS **Client ID:** PARK AVE -6MSD
Percent Solids for Sample: 86.8 **Duplicate ID** Q2393-11MSD **Percent Solids for Spike Sample:** 86.8

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	mg/Kg	20	9700		8190		17		P
Antimony	mg/Kg	20	12.5		14.0		11		P
Arsenic	mg/Kg	20	41.0		44.0		7		P
Barium	mg/Kg	20	57.6		48.5		17		P
Beryllium	mg/Kg	20	8.36		9.06		8		P
Cadmium	mg/Kg	20	9.50		10.4		9		P
Calcium	mg/Kg	20	4960		6420		26	*	P
Chromium	mg/Kg	20	25.8		25.4		2		P
Cobalt	mg/Kg	20	20.9		19.5		7		P
Copper	mg/Kg	20	27.9		27.6		1		P
Iron	mg/Kg	20	18500		15300		19		P
Lead	mg/Kg	20	60.9		62.6		3		P
Magnesium	mg/Kg	20	2490		2220		11		P
Manganese	mg/Kg	20	342		267		25	*	P
Nickel	mg/Kg	20	37.3		36.6		2		P
Potassium	mg/Kg	20	1110		1070		4		P
Selenium	mg/Kg	20	74.2		82.2		10		P
Silver	mg/Kg	20	3.24		3.43		6		P
Sodium	mg/Kg	20	404		412		2		P
Thallium	mg/Kg	20	93.4		102		9		P
Vanadium	mg/Kg	20	43.5		37.2		16		P
Zinc	mg/Kg	20	39.2		36.0		9		P

Metals

- 6 -

DUPLICATE SAMPLE SUMMARY

Client:	<u>Union Paving & Construction Company</u>	Level:	<u>LOW</u>	SDG No.:	<u>Q2393</u>
Contract:	<u>UNIO02</u>	Lab Code:	<u>CHEM</u>	Case No.:	<u>Q2393</u>
Matrix:	<u>Solid</u>	Sample ID:	<u>Q2403-07</u>	Client ID:	<u>ARS 20-0006DUP</u>
Percent Solids for Sample:	95.2	Duplicate ID	Q2403-07DUP	Percent Solids for Spike Sample:	95.2

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.037		0.032		14		CV

Metals

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DUPLICATE SAMPLE SUMMARY

Client: Union Paving & Construction Company **Level:** LOW **SDG No.:** Q2393
Contract: UNIO02 **Lab Code:** CHEM **Case No.:** Q2393 **SAS No.:** Q2393
Matrix: Solid **Sample ID:** Q2403-07MS **Client ID:** ARS 20-0006MSD
Percent Solids for Sample: 95.2 **Duplicate ID** Q2403-07MSD **Percent Solids for Spike Sample:** 95.2

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Mercury	mg/Kg	20	0.29		0.29		1		CV

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Union Paving & Construction Company **SDG No.:** Q2393
Contract: UNIO02 **Lab Code:** CHEM **Case No.:** Q2393 **SAS No.:** Q2393

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168598BS							
Aluminum	mg/Kg	100	100		100	80 - 120	P
Antimony	mg/Kg	40.0	40.2		100	80 - 120	P
Arsenic	mg/Kg	40.0	35.2		88	80 - 120	P
Barium	mg/Kg	10.0	10.2		102	80 - 120	P
Beryllium	mg/Kg	10.0	10.3		103	80 - 120	P
Cadmium	mg/Kg	10.0	9.46		95	80 - 120	P
Calcium	mg/Kg	50.0	50.1	J	100	80 - 120	P
Chromium	mg/Kg	20.0	19.2		96	80 - 120	P
Cobalt	mg/Kg	10.0	9.72		97	80 - 120	P
Copper	mg/Kg	15.0	16.1		107	80 - 120	P
Iron	mg/Kg	150	157		105	80 - 120	P
Lead	mg/Kg	50.0	48.0		96	80 - 120	P
Magnesium	mg/Kg	100	104		104	80 - 120	P
Manganese	mg/Kg	10.0	10.4		104	80 - 120	P
Nickel	mg/Kg	25.0	24.3		97	80 - 120	P
Potassium	mg/Kg	500	440		88	80 - 120	P
Selenium	mg/Kg	100	99.8		100	80 - 120	P
Silver	mg/Kg	3.8	3.63		96	80 - 120	P
Sodium	mg/Kg	150	146		97	80 - 120	P
Thallium	mg/Kg	100	101		101	80 - 120	P
Vanadium	mg/Kg	15.0	14.7		98	80 - 120	P
Zinc	mg/Kg	10.0	9.93		99	80 - 120	P

Metals

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LABORATORY CONTROL SAMPLE SUMMARY

Client: Union Paving & Construction Company

SDG No.: Q2393

Contract: UNIO02

Lab Code: CHEM

Case No.: Q2393

SAS No.: Q2393

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB168616BS Mercury	mg/Kg	0.26	0.26		99	80 - 120	CV

Metals
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ICP SERIAL DILUTIONS

SAMPLE NO.

PARK AVE -6L

Lab Name: Chemtech Consulting Group

Contract: UNIO02

Lab Code: CHEM **Lb No.:** lb136319 **Lab Sample ID :** Q2393-11L **SDG No.:** Q2393

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

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)		Serial Dilution Result (S)		% Differ- ence	Q	M
Aluminum	8830		10800		23		P
Antimony	2.40	J	3.27	J	36		P
Arsenic	4.93		4.68	J	5		P
Barium	49.4		61.6		25		P
Beryllium	0.96		1.30	J	35		P
Cadmium	0.31	U	1.54	U			P
Calcium	6090		7610		25		P
Chromium	17.9		21.7		21		P
Cobalt	12.7		14.4		13		P
Copper	29.5		38.6		31		P
Iron	37800		47300		25		P
Lead	15.5		16.8		9		P
Magnesium	2600		3320		28		P
Manganese	575		722		26		P
Nickel	21.3		20.4		4		P
Potassium	692		701		1		P
Selenium	11.5		12.8		11		P
Silver	1.34		1.99	J	49		P
Sodium	363		459	J	27		P
Thallium	2.06	U	10.3	U			P
Vanadium	34.8		41.7		20		P
Zinc	38.0		44.7		18		P

Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

ARS 20-0006L

Lab Name: Chemtech Consulting Group

Contract: UNIO02

Lab Code: CHEM

Lb No.: lb136362

Lab Sample ID : Q2403-07L

SDG No.: Q2393

Matrix (soil/water): Solid

Level (low/med): LOW

Concentration Units: mg/Kg

Analyte	Initial Sample Result (I) C	Serial Dilution Result (S) C	% Differ- ence	Q	M
Mercury	0.037	0.045 J	23		CV



METAL PREPARATION & INSTRUMENT DATA

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Union Paving & Construction Company

SDG No.: Q2393

Contract: UNIO02

Lab Code: CHEM

Case No.: Q2393

SAS No.: Q2393

Instrument ID: _____

Date: _____

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interelement Correction Factors For:				
		Al	Ca	Fe	Mg	Ag
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	-0.0000720	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	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	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Union Paving & Construction Company

SDG No.: Q2393

Contract: UNIO02

Lab Code: CHEM

Case No.: Q2393

SAS No.: Q2393

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
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
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
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	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	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Union Paving & Construction Company

SDG No.: Q2393

Contract: UNIO02

Lab Code: CHEM

Case No.: Q2393

SAS No.: Q2393

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
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	0.0001020
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	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	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMEN CORRECTION FACTORS

Client: Union Paving & Construction Company

SDG No.: Q2393

Contract: UNIO02

Lab Code: CHEM

Case No.: Q2393

SAS No.: Q2393

Instrument ID: _____

Date: _____

Interement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave- Length (nm)	ICP Interement Correction Factors For:				
		Na	Ni	Pb	Sb	Se
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
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
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	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	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Metals

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ICP INTERELEMENT CORRECTION FACTORS

Client: Union Paving & Construction Company

SDG No.: Q2393

Contract: UNIO02

Lab Code: CHEM

Case No.: Q2393

SAS No.: Q2393

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
Aluminum	396.100	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.833	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.759	0.0000000	0.0000000	0.0000000	0.0000000	-0.0004810
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	234.861	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	373.690	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	224.700	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.353	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.079	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.490	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	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.856	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.800	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000



METAL PREPARATION & ANALYICAL SUMMARY

Metals

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SAMPLE PREPARATION SUMMARY

Client: Union Paving & Construction Company

SDG No.: Q2393

Contract: UNIO02

Lab Code: CHEM

Method: _____

Case No.: Q2393 **SAS No.:** Q2393

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB168598							
PB168598BL	PB168598BL	MB	SOLID	06/24/2025	2.00	100.0	100.00
PB168598BS	PB168598BS	LCS	SOLID	06/24/2025	2.00	100.0	100.00
Q2393-01	PARK AVE -1	SAM	SOLID	06/24/2025	2.20	100.0	83.30
Q2393-03	PARK AVE -2	SAM	SOLID	06/24/2025	2.41	100.0	83.50
Q2393-05	PARK AVE -3	SAM	SOLID	06/24/2025	2.43	100.0	86.60
Q2393-07	PARK AVE -4	SAM	SOLID	06/24/2025	2.44	100.0	87.70
Q2393-09	PARK AVE -5	SAM	SOLID	06/24/2025	2.20	100.0	91.30
Q2393-11	PARK AVE -6	SAM	SOLID	06/24/2025	2.24	100.0	86.80
Q2393-11DUP	PARK AVE -6DUP	DUP	SOLID	06/24/2025	2.44	100.0	86.80
Q2393-11MS	PARK AVE -6MS	MS	SOLID	06/24/2025	2.27	100.0	86.80
Q2393-11MSD	PARK AVE -6MSD	MSD	SOLID	06/24/2025	2.22	100.0	86.80

Metals

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SAMPLE PREPARATION SUMMARY

Client: Union Paving & Construction Company

SDG No.: Q2393

Contract: UNIO02

Lab Code: CHEM

Method: _____

Case No.: Q2393 **SAS No.:** Q2393

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(g)	Final Sample Volume (mL)	Percent Solids
Batch Number: PB168616							
PB168616BL	PB168616BL	MB	SOLID	06/24/2025	0.51	35.0	100.00
PB168616BS	PB168616BS	LCS	SOLID	06/24/2025	0.53	35.0	100.00
Q2393-01	PARK AVE -1	SAM	SOLID	06/24/2025	0.53	35.0	83.30
Q2393-03	PARK AVE -2	SAM	SOLID	06/24/2025	0.58	35.0	83.50
Q2393-05	PARK AVE -3	SAM	SOLID	06/24/2025	0.51	35.0	86.60
Q2393-07	PARK AVE -4	SAM	SOLID	06/24/2025	0.57	35.0	87.70
Q2393-09	PARK AVE -5	SAM	SOLID	06/24/2025	0.59	35.0	91.30
Q2393-11	PARK AVE -6	SAM	SOLID	06/24/2025	0.53	35.0	86.80
Q2403-07DUP	ARS 20-0006DUP	DUP	SOLID	06/24/2025	0.56	35.0	95.20
Q2403-07MS	ARS 20-0006MS	MS	SOLID	06/24/2025	0.57	35.0	95.20
Q2403-07MSD	ARS 20-0006MSD	MSD	SOLID	06/24/2025	0.53	35.0	95.20

metals
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ANALYSIS RUN LOG

Client: Union Paving & Construction Company

Contract: UNIO02

Lab code: CHEM

Case no.: Q2393

Sas no.: Q2393

Sdg no.: Q2393

Instrument id number:

Method:

Run number: LB136319

Start date: 06/27/2025

End date: 06/27/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1111	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S1	S1	1	1116	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1120	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1124	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1129	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1133	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICV01	ICV01	1	1145	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1203	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1254	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI01	CRI01	1	1258	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1304	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1309	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1322	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1331	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1419	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1424	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1512	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1516	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB168598BL	PB168598BL	1	1555	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB168598BS	PB168598BS	1	1600	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1604	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1609	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2393-01	PARK AVE -1	1	1613	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2393-03	PARK AVE -2	1	1617	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2393-05	PARK AVE -3	1	1622	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2393-07	PARK AVE -4	1	1626	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2393-09	PARK AVE -5	1	1630	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2393-11	PARK AVE -6	1	1635	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2393-11DUP	PARK AVE -6DUP	1	1639	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2393-11L	PARK AVE -6L	5	1643	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2393-11MS	PARK AVE -6MS	1	1648	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2393-11MSD	PARK AVE -6MSD	1	1652	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1656	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1701	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2393-11A	PARK AVE -6A	1	1705	Ag,Be,Co,Cr,Cu,K,Na,Ni,Sb,Se,V,Zn
CCV06	CCV06	1	1749	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB06	CCB06	1	1753	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV07	CCV07	1	1841	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB07	CCB07	1	1846	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV08	CCV08	1	1929	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB08	CCB08	1	1933	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

metals
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ANALYSIS RUN LOG

Client: Union Paving & Construction Company

Contract: UNIO02

Lab code: CHEM **Case no.:** Q2393 **Sas no.:** Q2393

Sdg no.: Q2393

Instrument id number: **Method:**

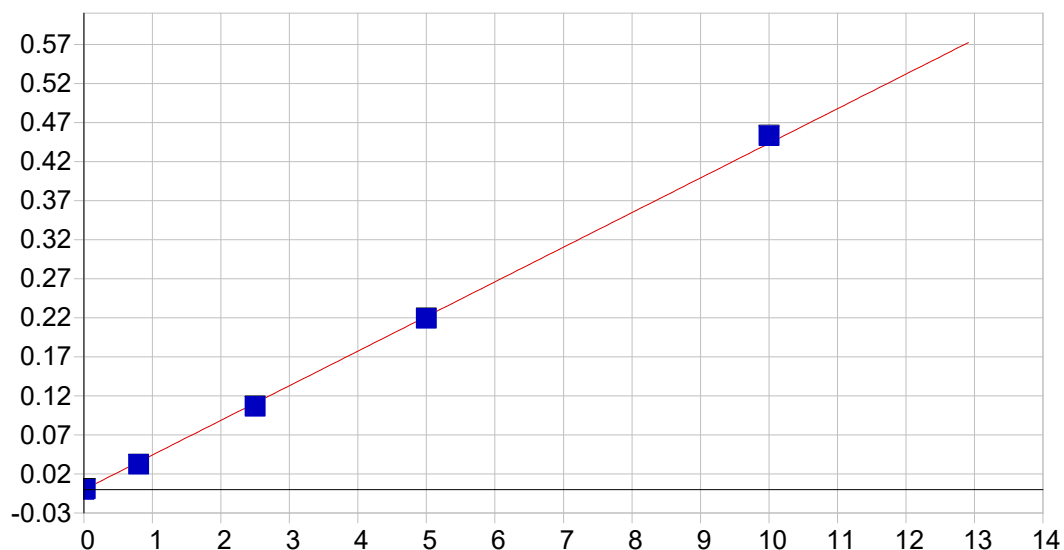
Run number: LB136362

Start date: 06/26/2025 **End date:** 06/26/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	0950	HG
S0.2	S0.2	1	0952	HG
S2.5	S2.5	1	0955	HG
S5	S5	1	0957	HG
S7.5	S7.5	1	0959	HG
S10	S10	1	1001	HG
ICV06	ICV06	1	1005	HG
ICB06	ICB06	1	1007	HG
CCV16	CCV16	1	1009	HG
CCB16	CCB16	1	1011	HG
CRA	CRA	1	1014	HG
PB168616BL	PB168616BL	1	1021	HG
PB168616BS	PB168616BS	1	1023	HG
Q2393-01	PARK AVE -1	1	1028	HG
Q2393-03	PARK AVE -2	1	1030	HG
Q2393-05	PARK AVE -3	1	1032	HG
Q2393-07	PARK AVE -4	1	1034	HG
CCV17	CCV17	1	1037	HG
CCB17	CCB17	1	1039	HG
Q2393-09	PARK AVE -5	1	1041	HG
Q2393-11	PARK AVE -6	1	1044	HG
CCV18	CCV18	1	1107	HG
CCB18	CCB18	1	1109	HG
Q2403-07DUP	ARS 20-0006DUP	1	1114	HG
Q2403-07MS	ARS 20-0006MS	1	1116	HG
Q2403-07MSD	ARS 20-0006MSD	1	1118	HG
Q2403-07L	ARS 20-0006L	5	1123	HG
CCV19	CCV19	1	1127	HG
CCB19	CCB19	1	1130	HG



METAL RAW DATA

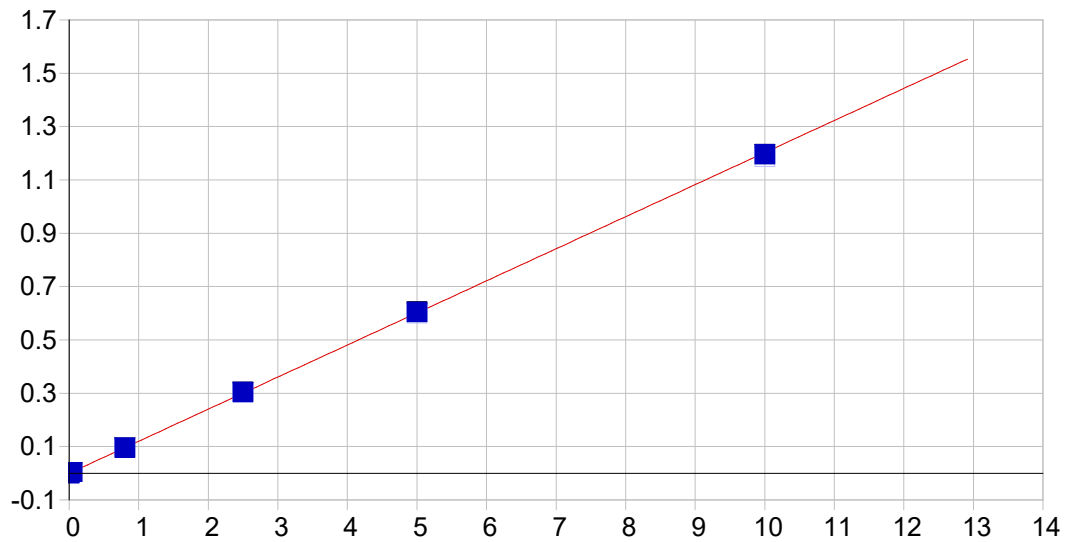


As 189.042 {479}

Date of Fit: 6/27/2025 23:02:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000055 Re-Slope: 1.000000
A1 (Gain): 0.044333 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999580 Status: OK.
Std Error of Est: 0.000030
Predicted MDL: 0.002910
Predicted MQL: 0.009701

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	-.00005	.000	1
S1	.02000	.01992	-.000	-.405	.00083	.000	1
S2	.80000	.73022	-.070	-8.72	.03231	.000	1
S3	2.5000	2.4037	-.096	-3.85	.10649	.000	1
S4	5.0000	4.9436	-.056	-1.13	.21908	.000	1
S5	10.000	10.223	.223	2.23	.45308	.001	1

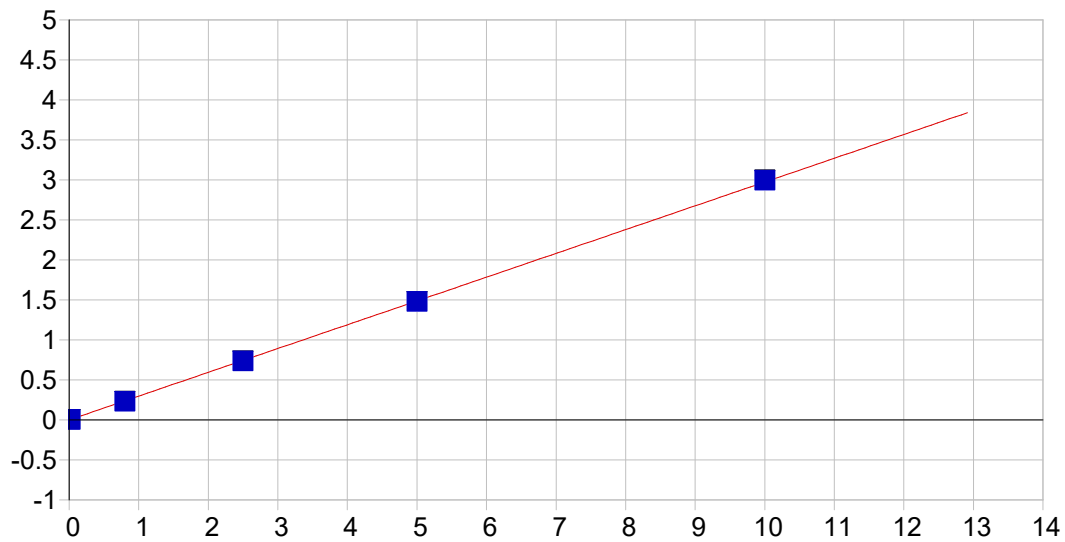


TI 190.856 {477}

Date of Fit: 6/27/2025 23:02:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): -0.000163 Re-Slope: 1.000000
A1 (Gain): 0.120269 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999977 Status: OK.
Std Error of Est: 0.000027
Predicted MDL: 0.001764
Predicted MQL: 0.005880

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00016	.000	1
S1	.04000	.03994	-.000	-.155	.00453	.000	1
S2	.80000	.79861	-.001	-.173	.09513	.000	1
S3	2.5000	2.5286	.029	1.14	.30160	.001	1
S4	5.0000	5.0305	.030	.609	.60015	.000	1
S5	10.000	9.9424	-.058	-.576	1.1862	.001	1

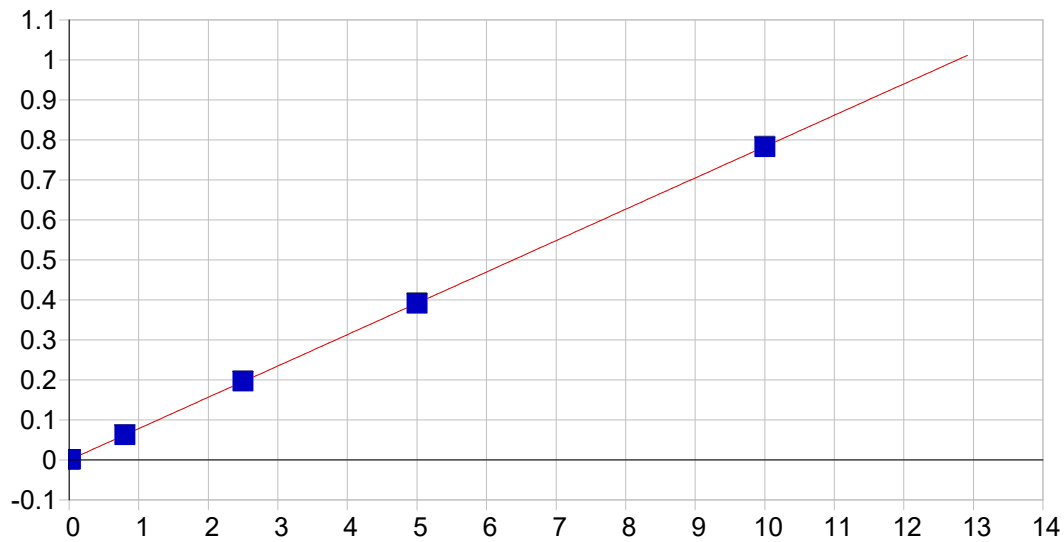


Pb 220.353 {453}

Date of Fit: 6/27/2025 23:02:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000317 Re-Slope: 1.000000
A1 (Gain): 0.297299 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999951 Status: OK.
Std Error of Est: 0.000053
Predicted MDL: 0.001476
Predicted MQL: 0.004920

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00000	.000	.000	.00032	.001	1
S1	.01200	.01118	-.001	-6.79	.00357	.000	1
S2	.80000	.77522	-.025	-3.10	.23058	.000	1
S3	2.5000	2.4770	-.023	-.920	.73606	.000	1
S4	5.0000	4.9713	-.029	-.573	1.4770	.001	1
S5	10.000	10.077	.077	.772	2.9936	.004	1

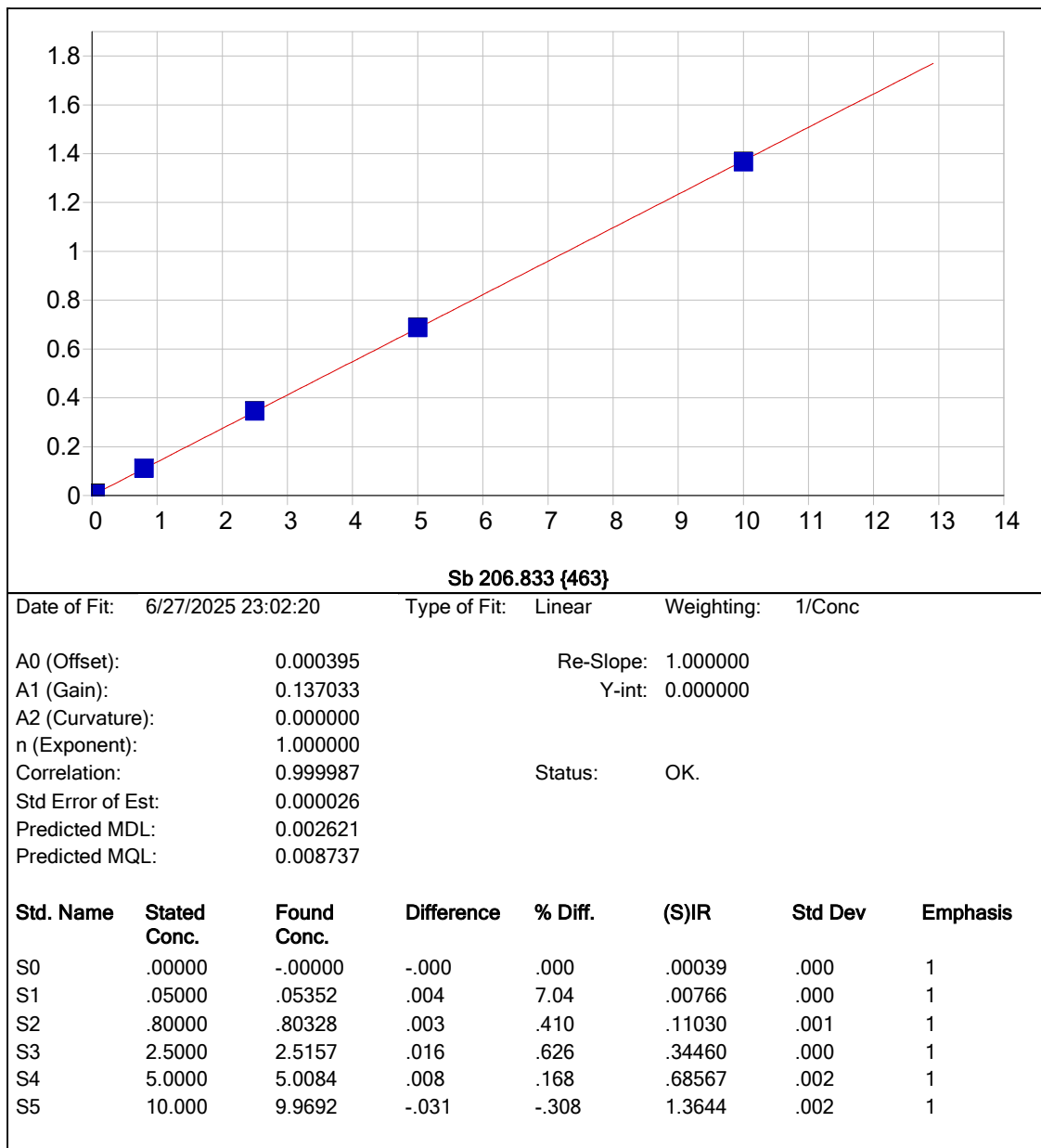


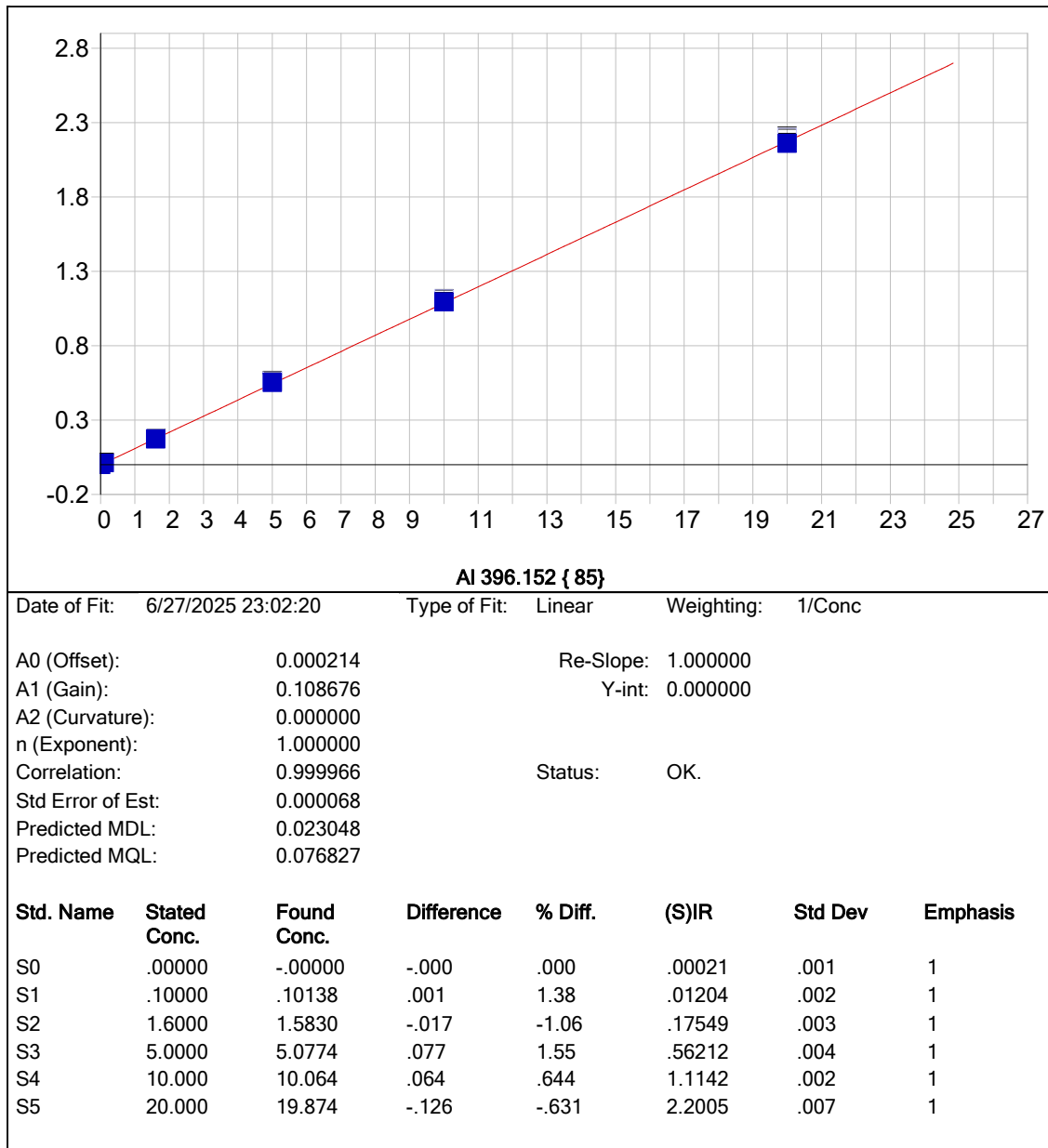
Se 196.090 {472}

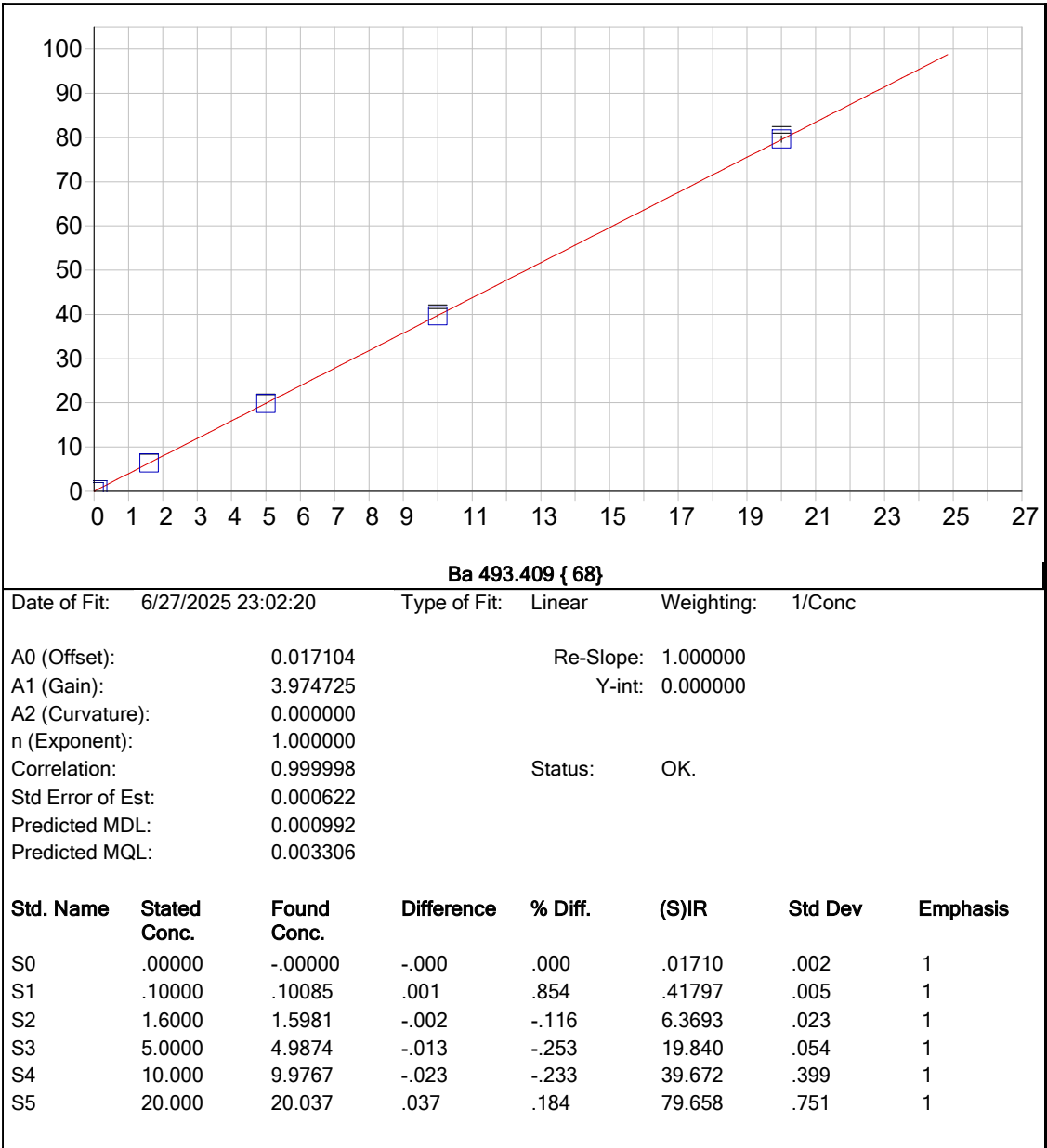
Date of Fit: 6/27/2025 23:02:20 Type of Fit: Linear Weighting: 1/Conc

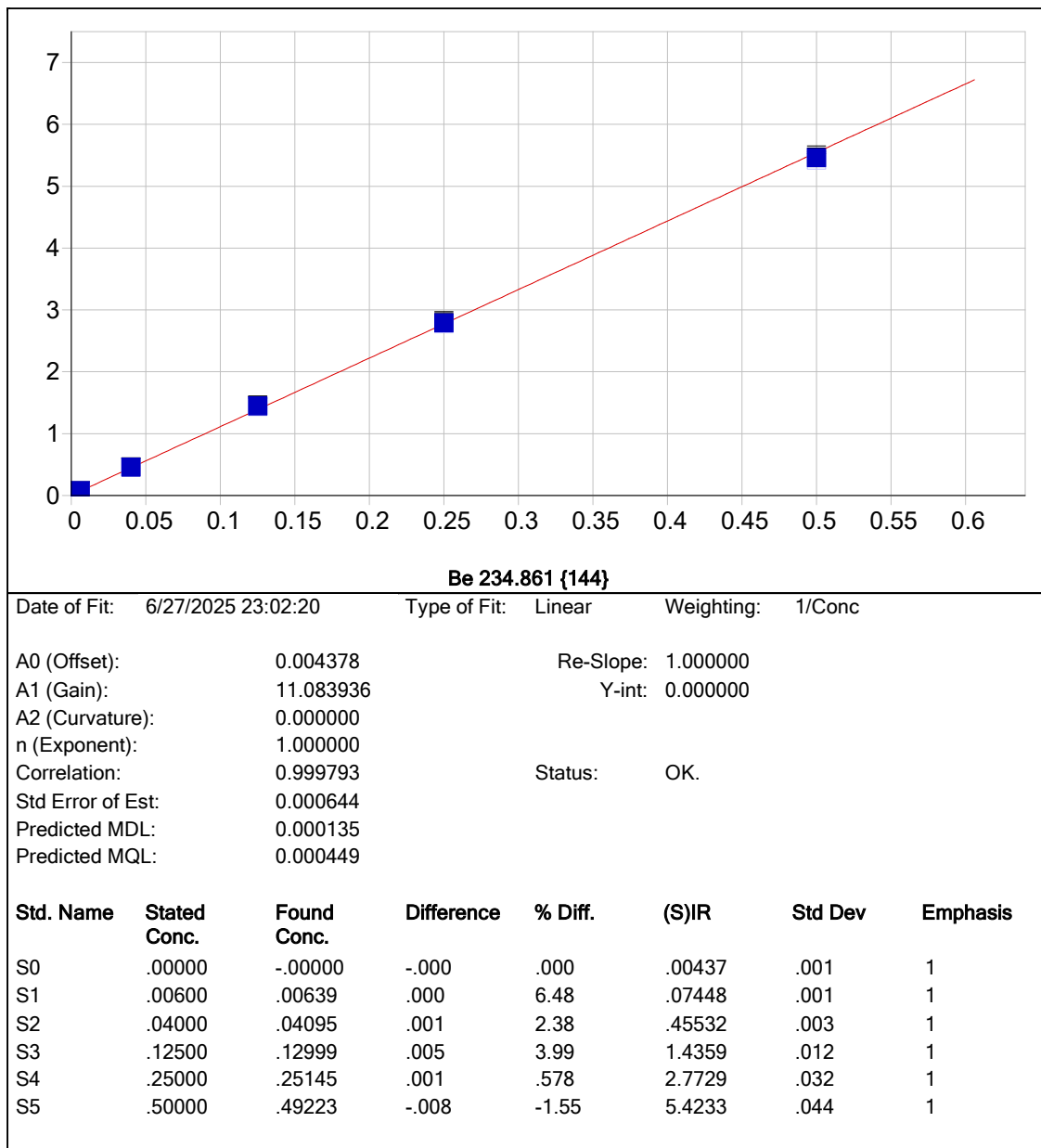
A0 (Offset): -0.000060 Re-Slope: 1.000000
A1 (Gain): 0.078333 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999998 Status: OK.
Std Error of Est: 0.000004
Predicted MDL: 0.003498
Predicted MQL: 0.011660

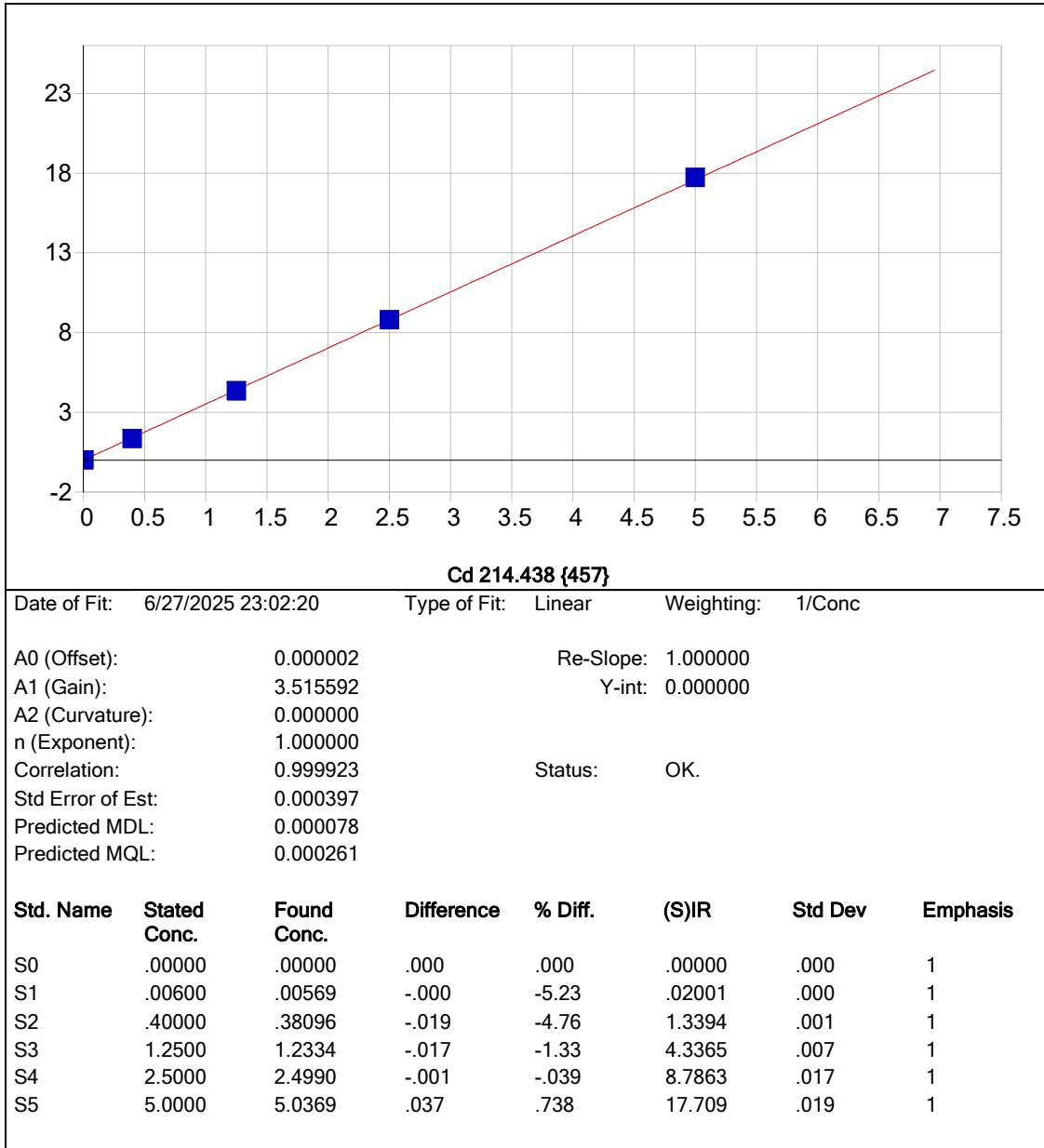
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	-.00006	.000	1
S1	.02000	.02074	.001	3.72	.00156	.000	1
S2	.80000	.79955	-.000	-.056	.06254	.000	1
S3	2.5000	2.5094	.009	.376	.19639	.000	1
S4	5.0000	4.9976	-.002	-.047	.39119	.001	1
S5	10.000	9.9927	-.007	-.073	.78224	.001	1

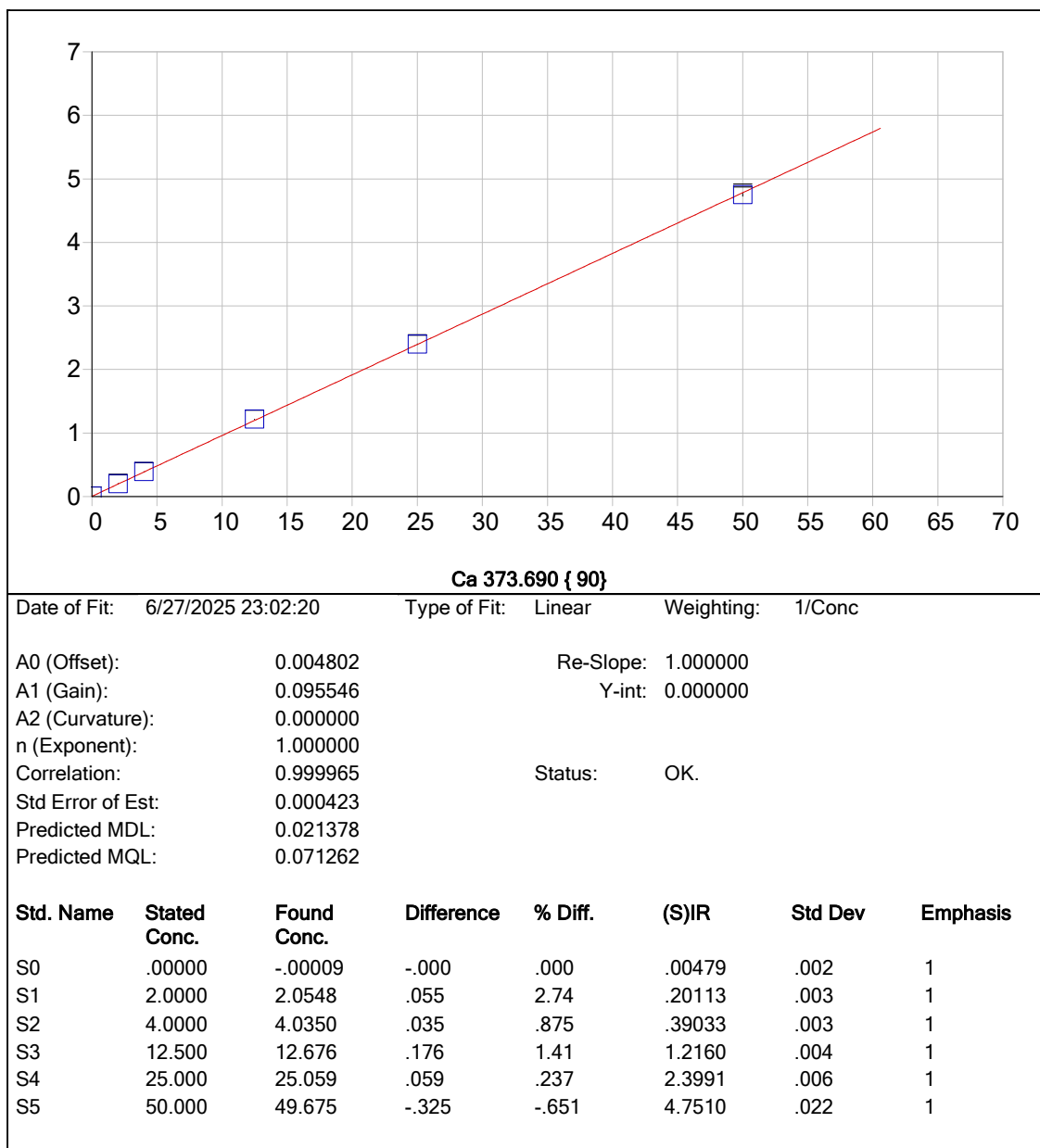


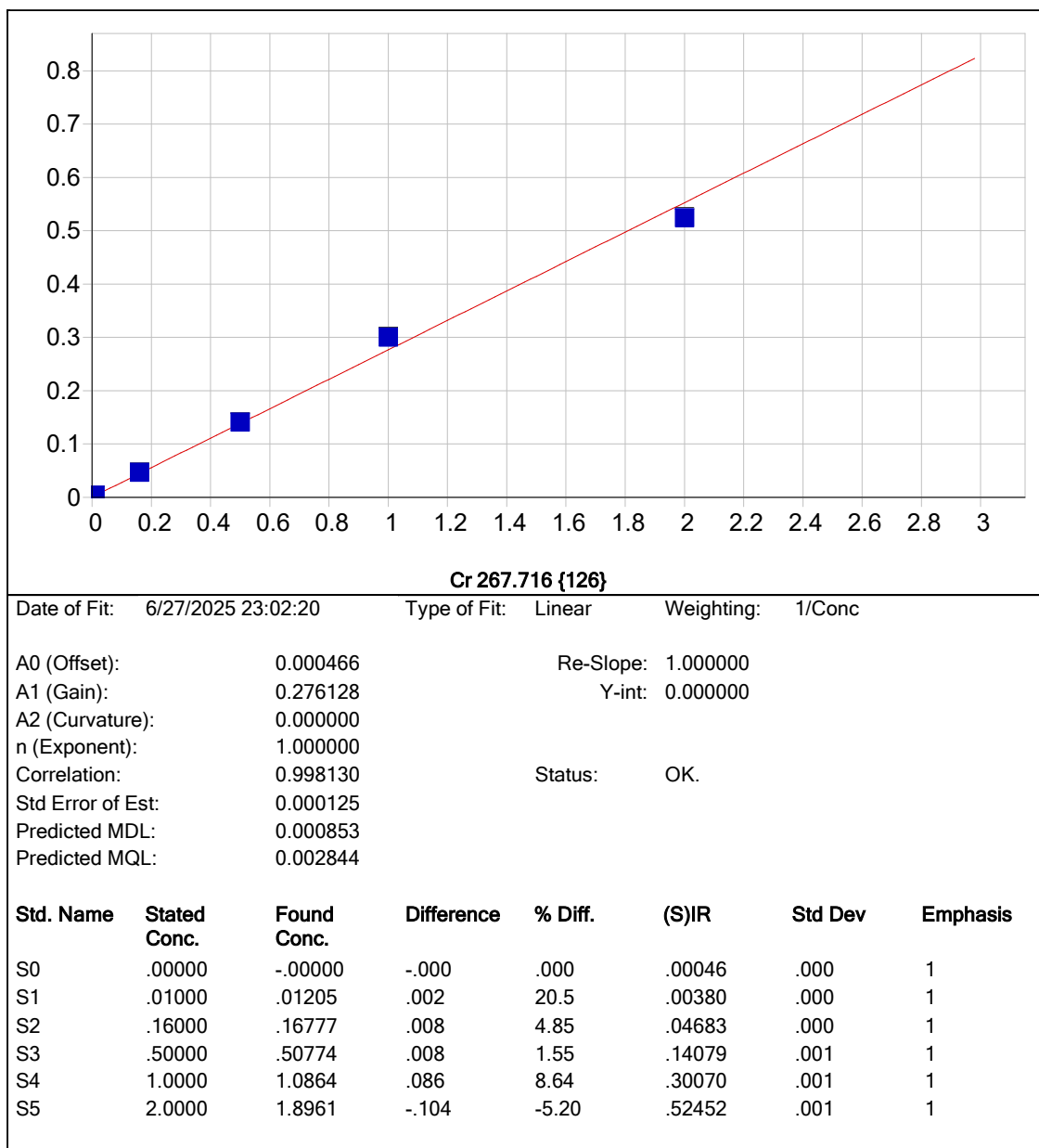


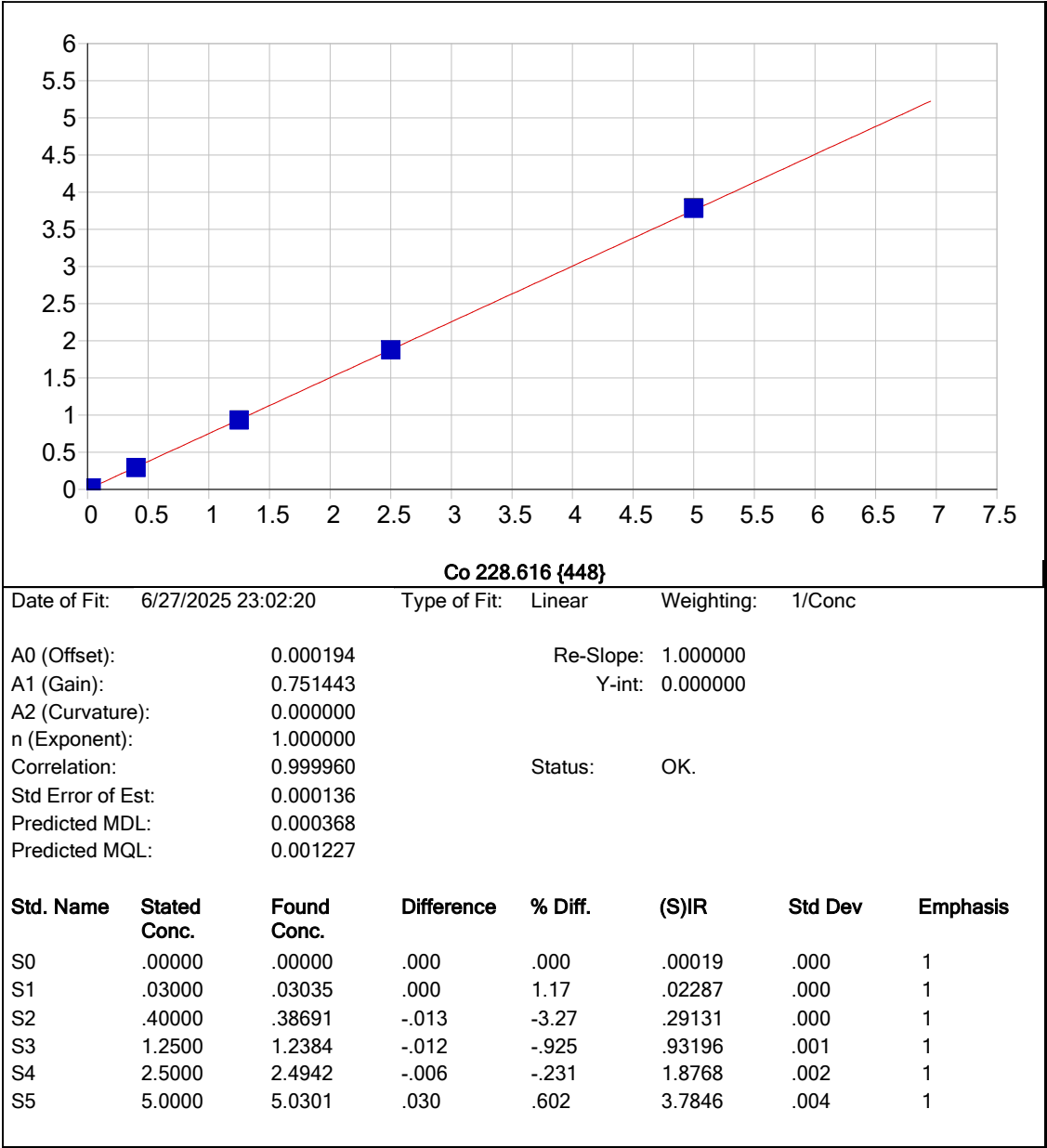


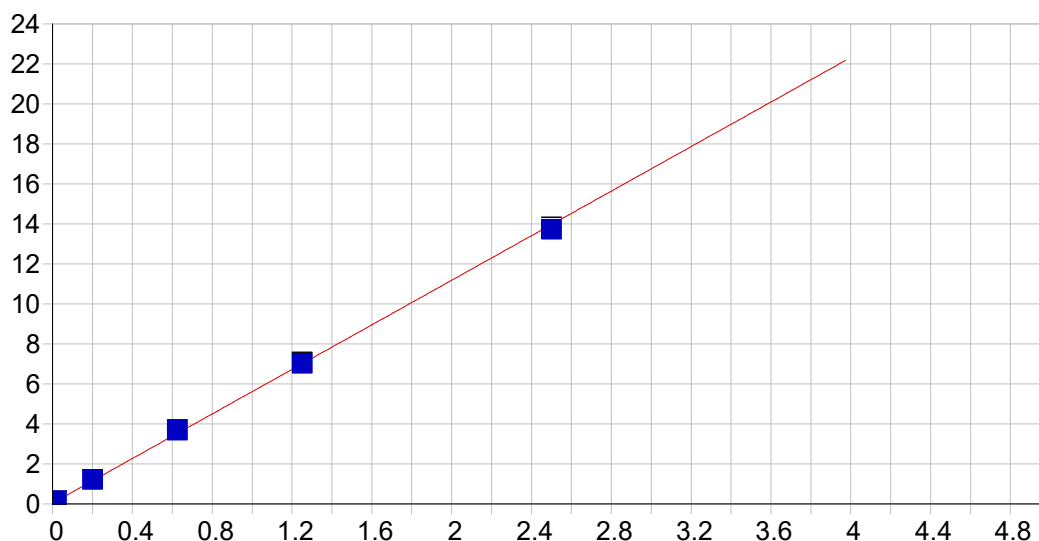










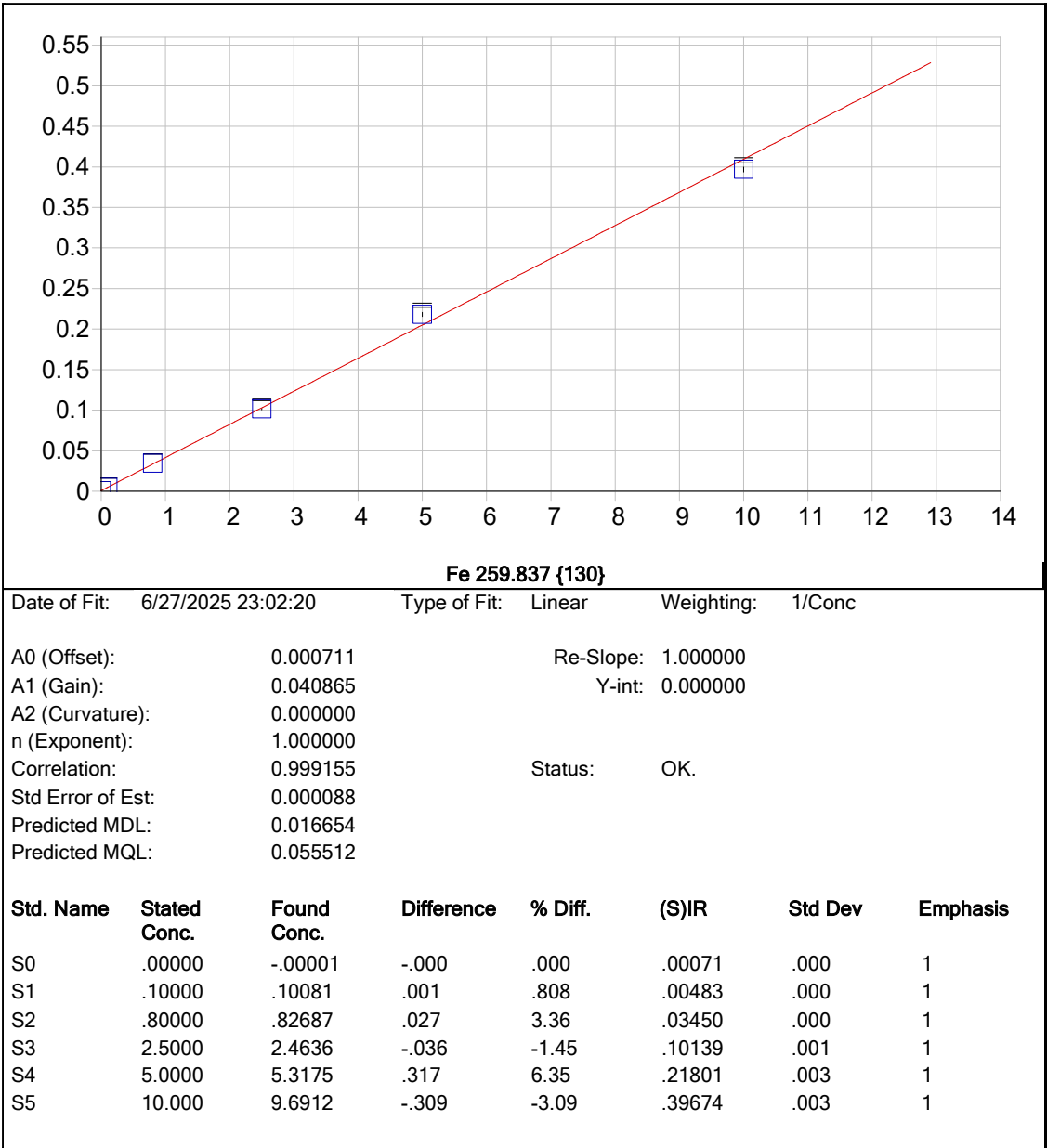


Cu 324.754 {104}

Date of Fit: 6/27/2025 23:02:20 Type of Fit: Linear Weighting: 1/Conc

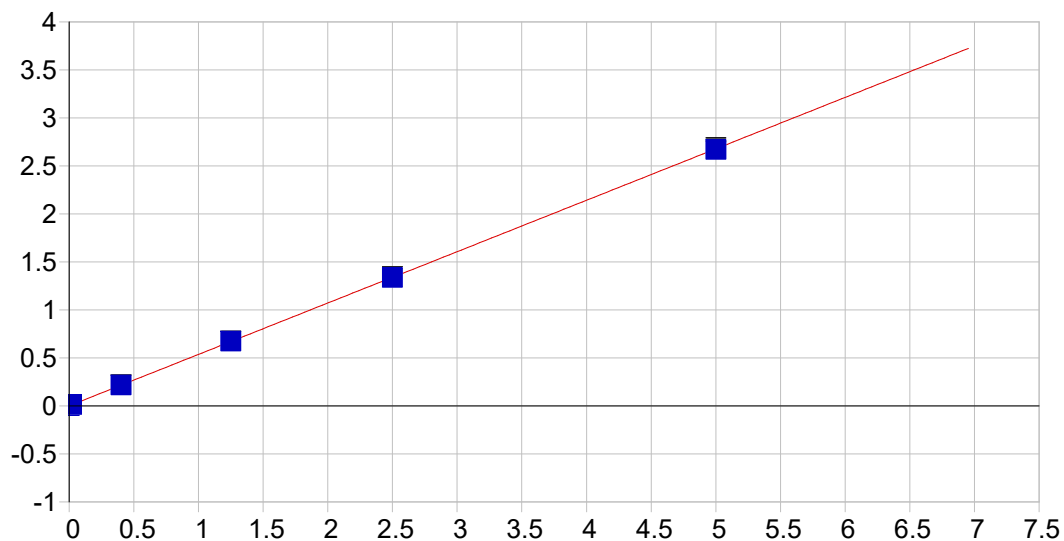
A0 (Offset): 0.040967 Re-Slope: 1.000000
A1 (Gain): 5.570447 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999696 Status: OK.
Std Error of Est: 0.001614
Predicted MDL: 0.000637
Predicted MQL: 0.002124

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.04095	.001	1
S1	.02000	.02217	.002	10.8	.16449	.003	1
S2	.20000	.21081	.011	5.40	1.2158	.007	1
S3	.62500	.65265	.028	4.42	3.6782	.031	1
S4	1.2500	1.2528	.003	.222	7.0229	.068	1
S5	2.5000	2.4566	-.043	-1.74	13.732	.112	1



Date of Fit: 6/27/2025 23:02:20		Type of Fit: Linear	Weighting: 1/Conc
A0 (Offset):	0.000711	Re-Slope:	1.000000
A1 (Gain):	0.040865	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999155	Status:	OK.
Std Error of Est:	0.000088		
Predicted MDL:	0.016654		
Predicted MQL:	0.055512		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00001	-.000	.000	.00071	.000	1
S1	.10000	.10081	.001	.808	.00483	.000	1
S2	.80000	.82687	.027	3.36	.03450	.000	1
S3	2.5000	2.4636	-.036	-1.45	.10139	.001	1
S4	5.0000	5.3175	.317	6.35	.21801	.003	1
S5	10.000	9.6912	-.309	-3.09	.39674	.003	1

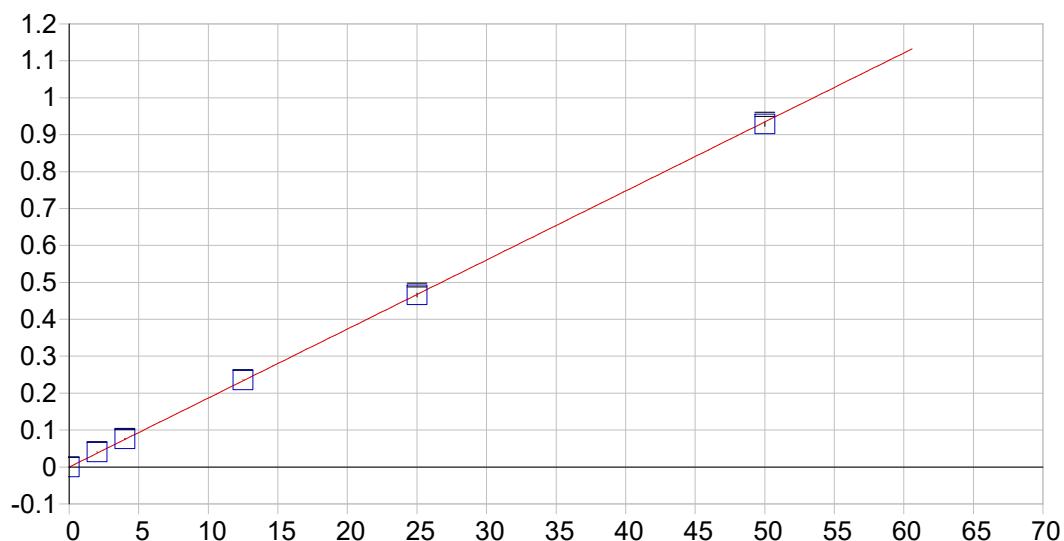


Mn 257.610 {131}

Date of Fit: 6/27/2025 23:02:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.000159 Re-Slope: 1.000000
A1 (Gain): 0.535649 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999969 Status: OK.
Std Error of Est: 0.000070
Predicted MDL: 0.001193
Predicted MQL: 0.003976

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00016	.000	1
S1	.02000	.02261	.003	13.1	.01229	.000	1
S2	.40000	.40671	.007	1.68	.21821	.001	1
S3	1.2500	1.2591	.009	.728	.67520	.001	1
S4	2.5000	2.4974	-.003	-.105	1.3391	.008	1
S5	5.0000	4.9842	-.016	-.316	2.6723	.017	1

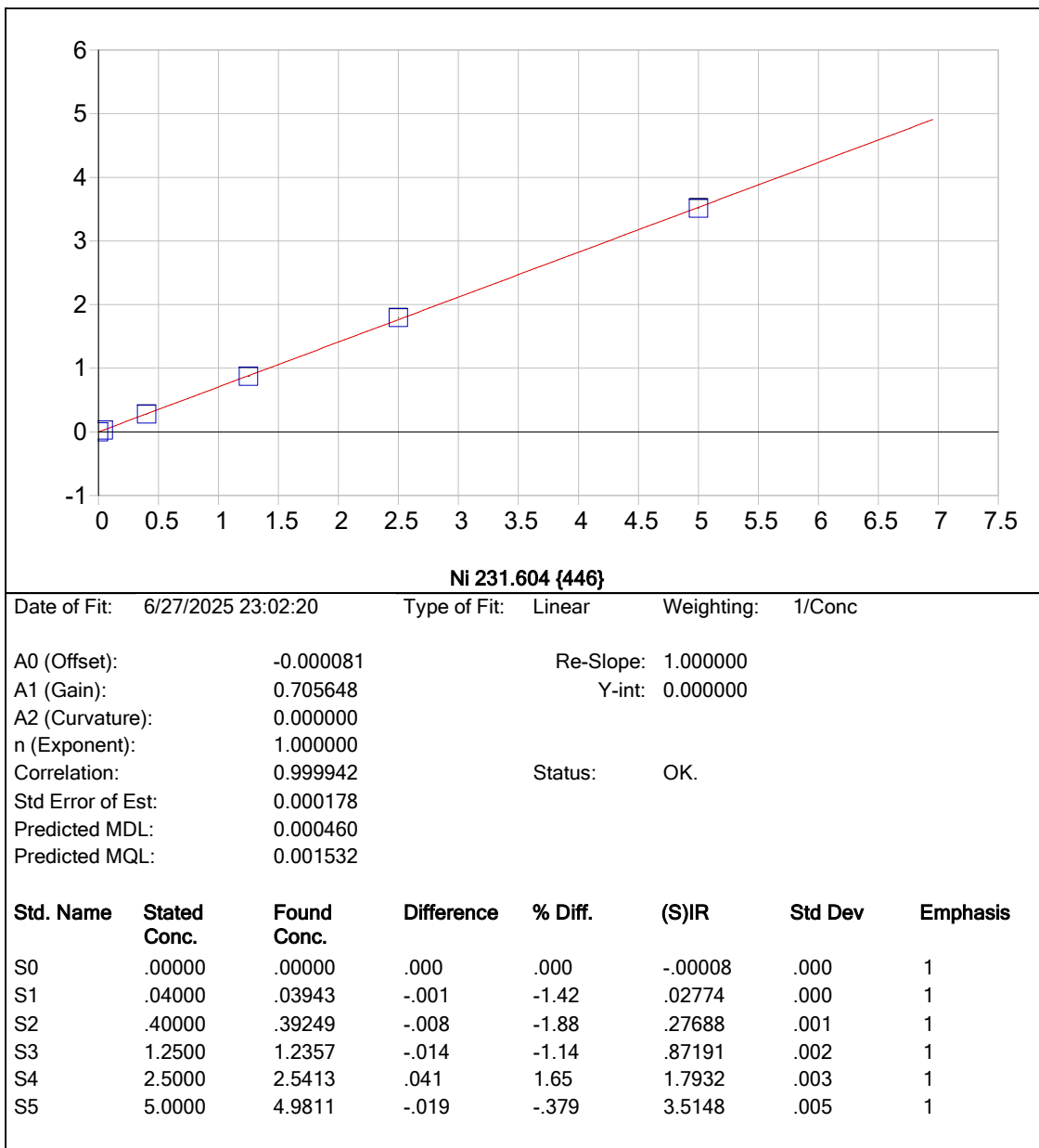


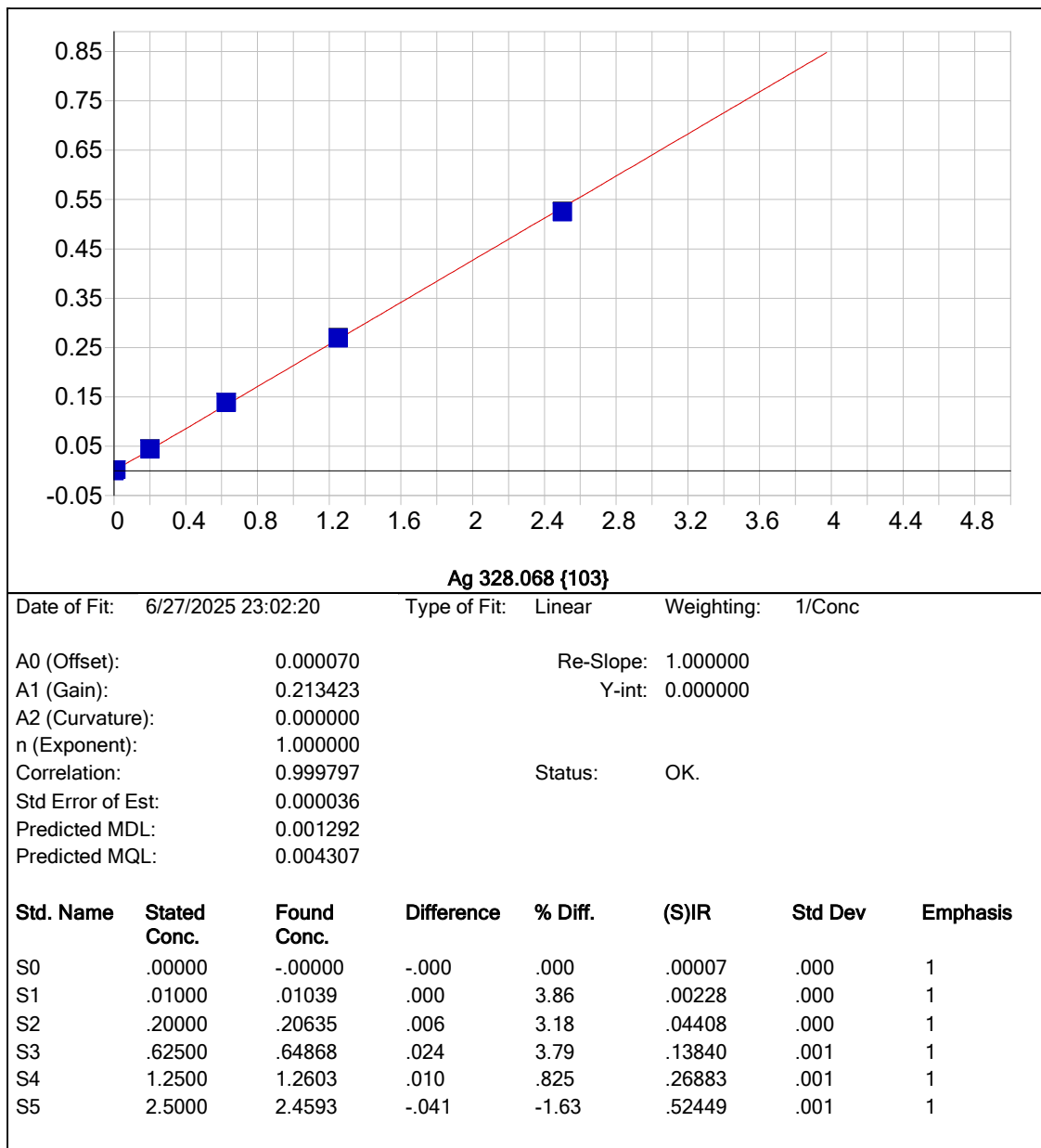
Mg 279.079 {121}

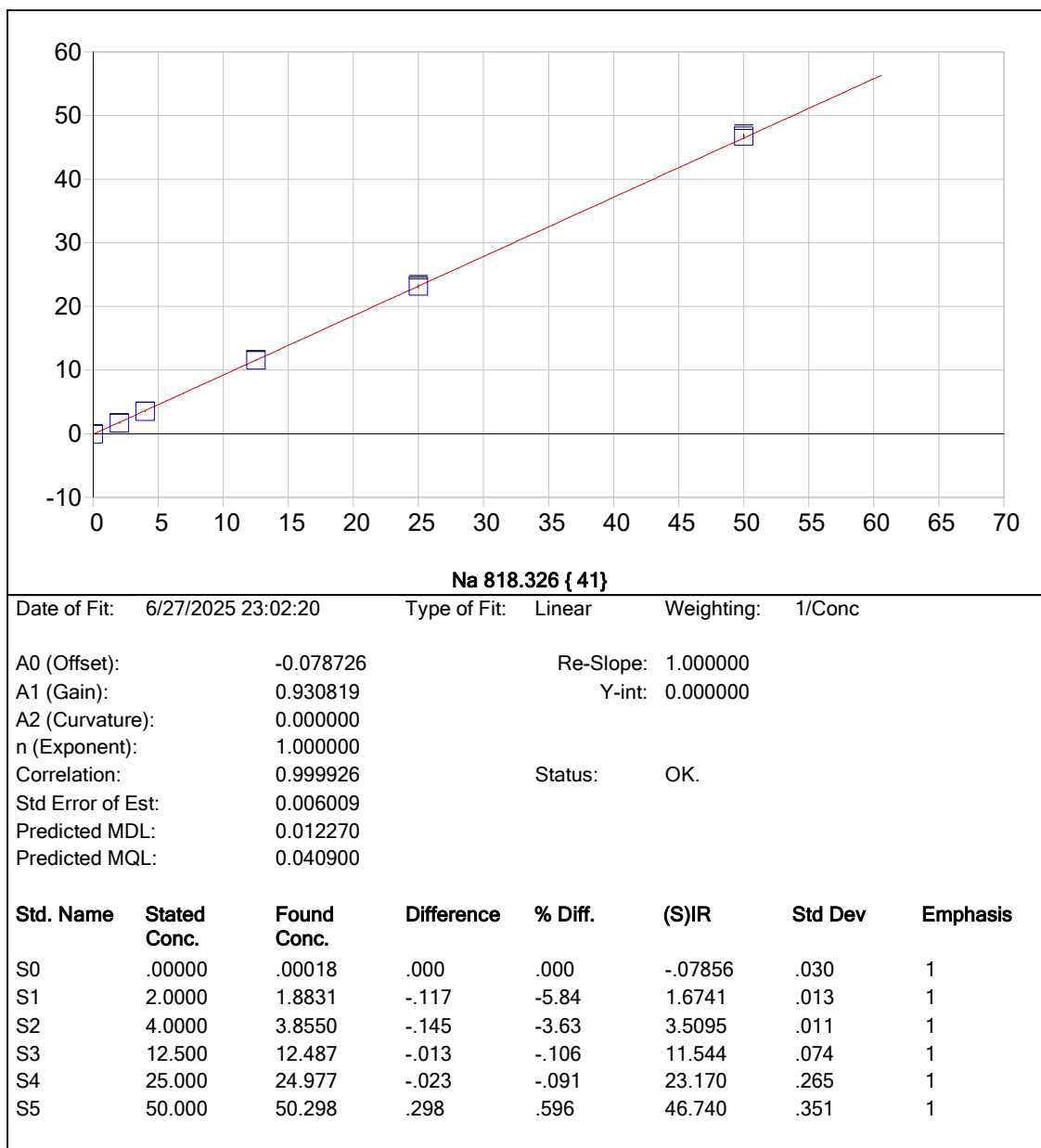
Date of Fit: 6/27/2025 23:02:20 Type of Fit: Linear Weighting: 1/Conc

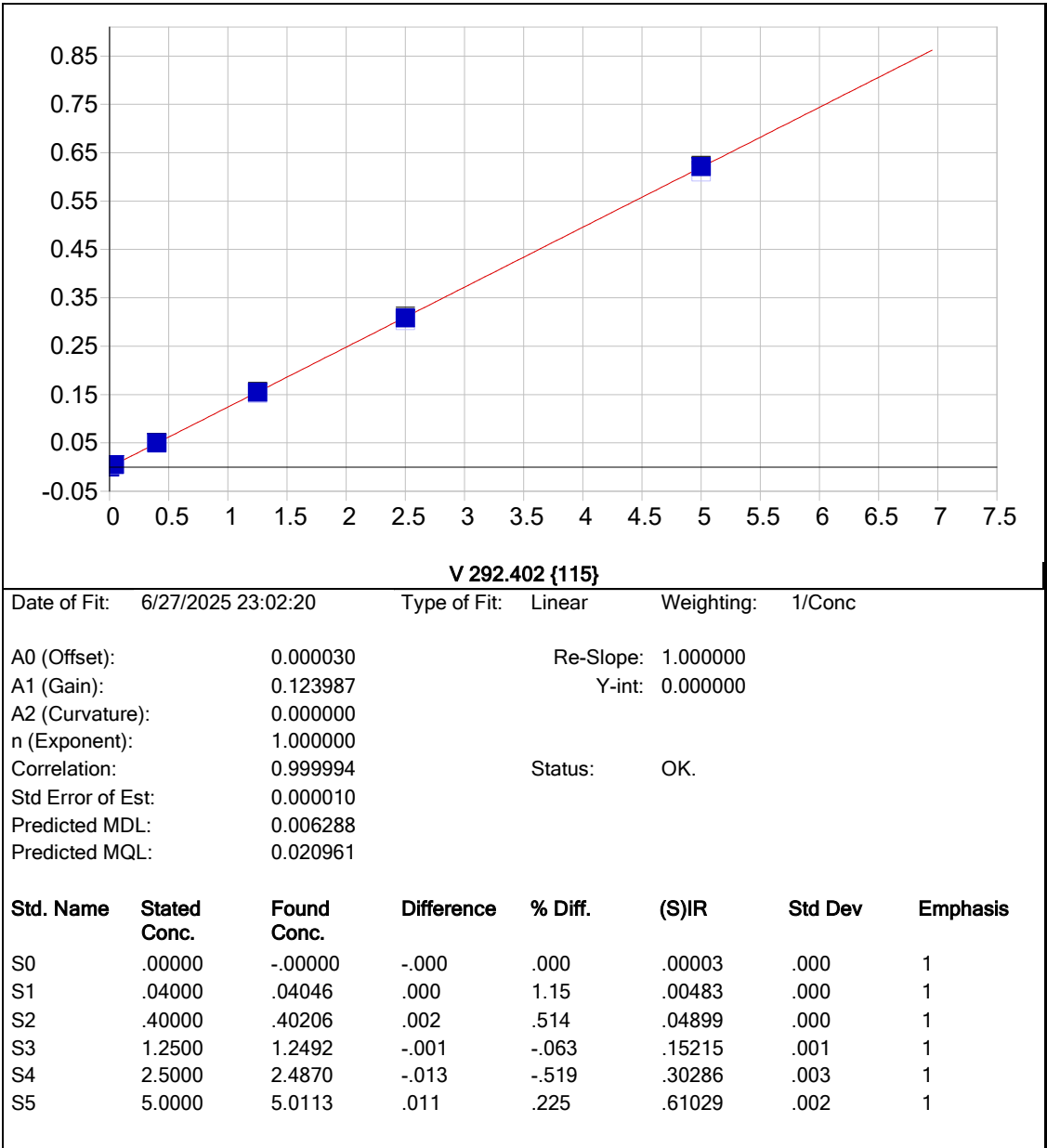
A0 (Offset): -0.000179 Re-Slope: 1.000000
A1 (Gain): 0.018692 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999887 Status: OK.
Std Error of Est: 0.000149
Predicted MDL: 0.046393
Predicted MQL: 0.154644

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00022	-.000	.000	-.00018	.001	1
S1	2.0000	2.1828	.183	9.14	.04062	.001	1
S2	4.0000	4.0639	.064	1.60	.07578	.002	1
S3	12.500	12.625	.125	1.00	.23581	.001	1
S4	25.000	24.941	-.059	-.236	.46601	.005	1
S5	50.000	49.687	-.313	-.626	.92855	.006	1



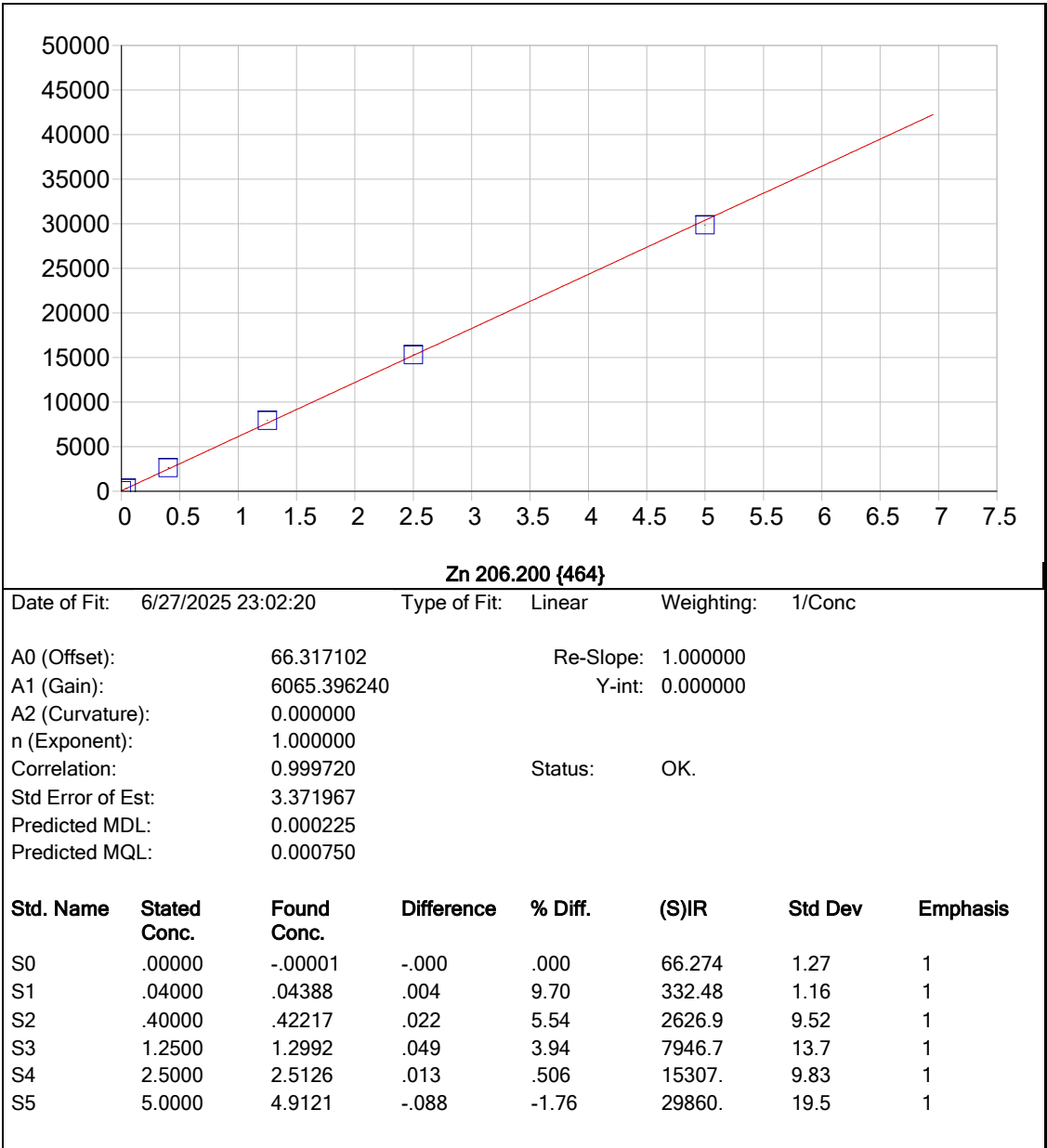


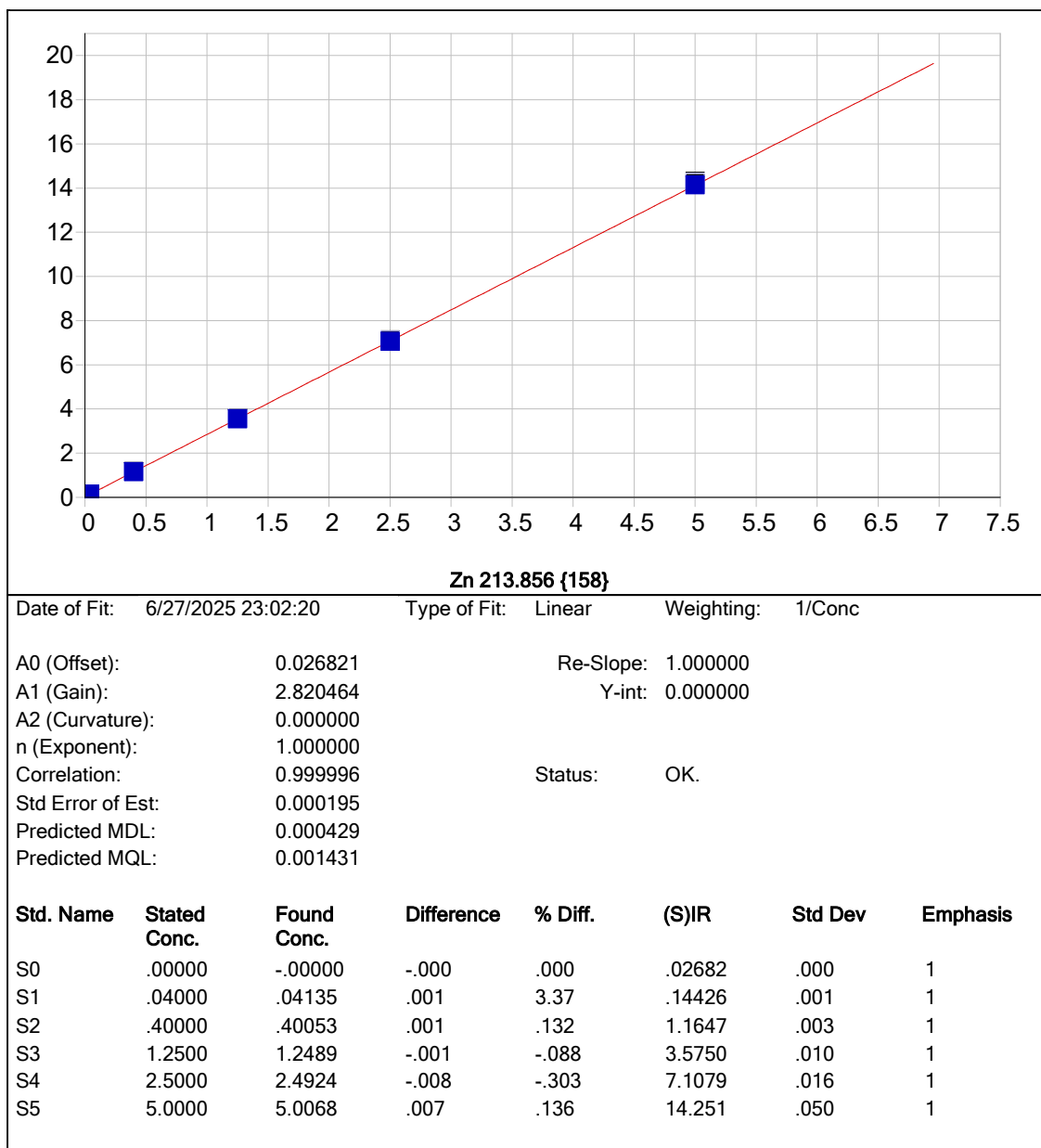


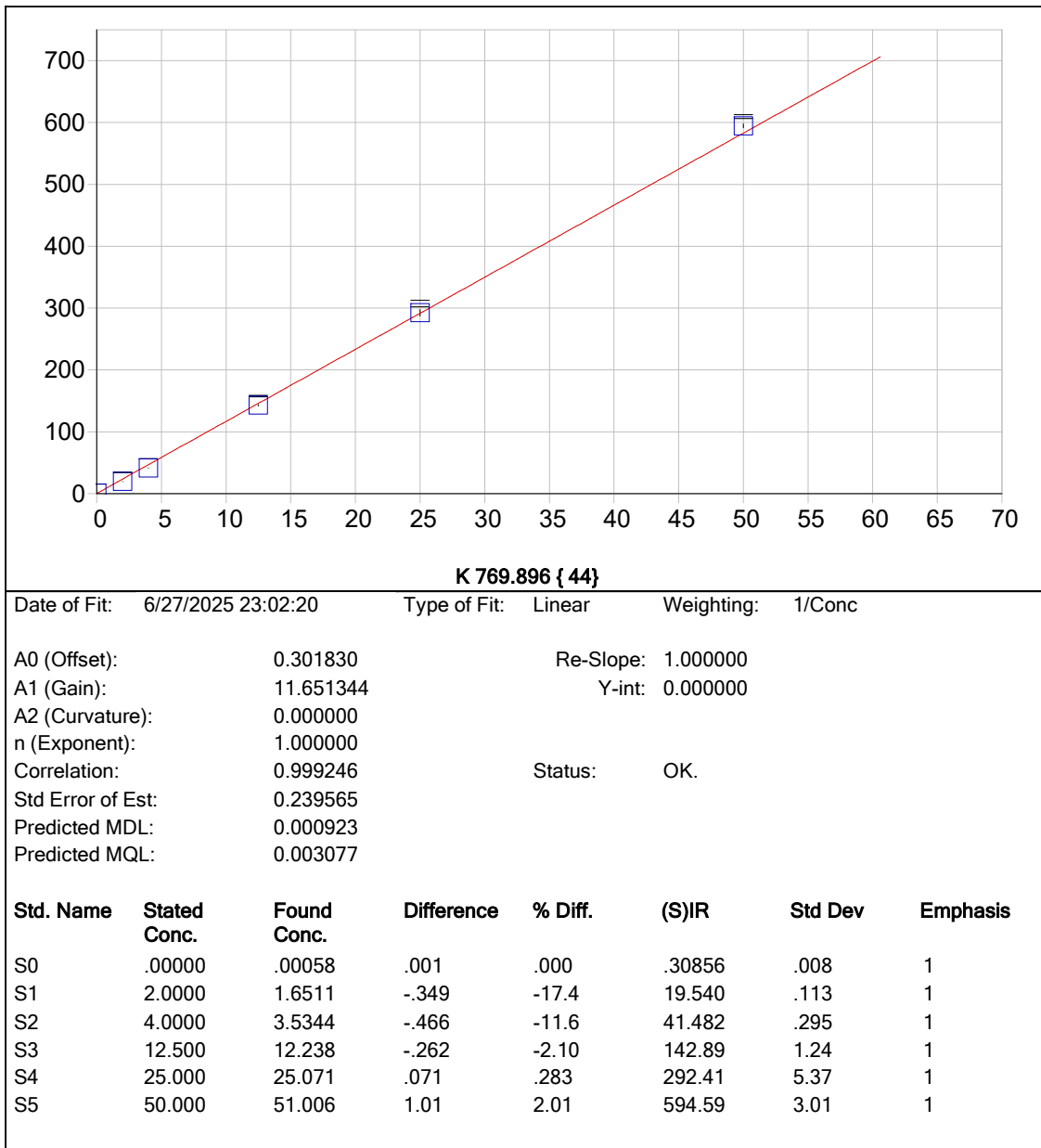


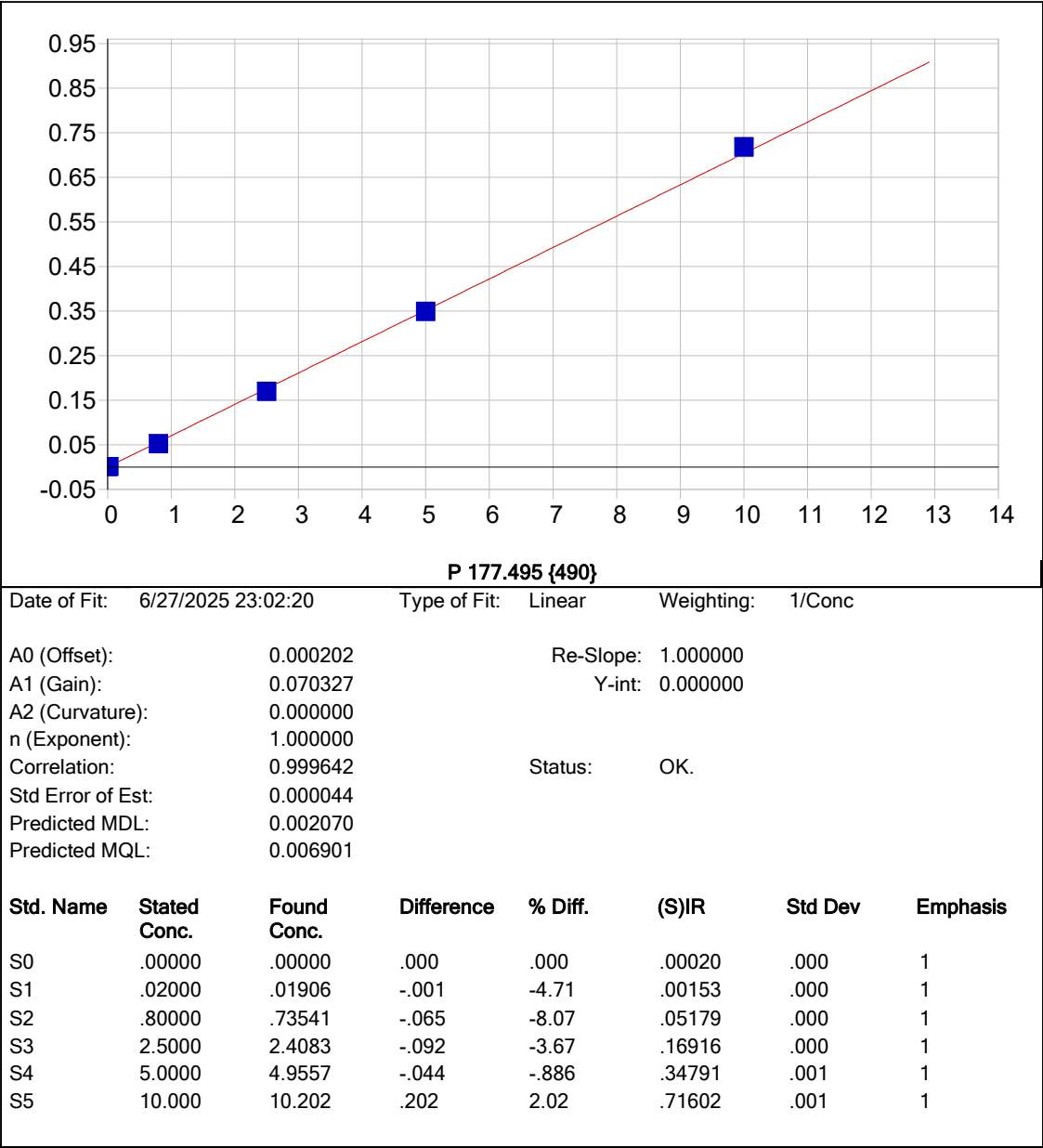
Date of Fit: 6/27/2025 23:02:20 Type of Fit: Linear Weighting: 1/Conc

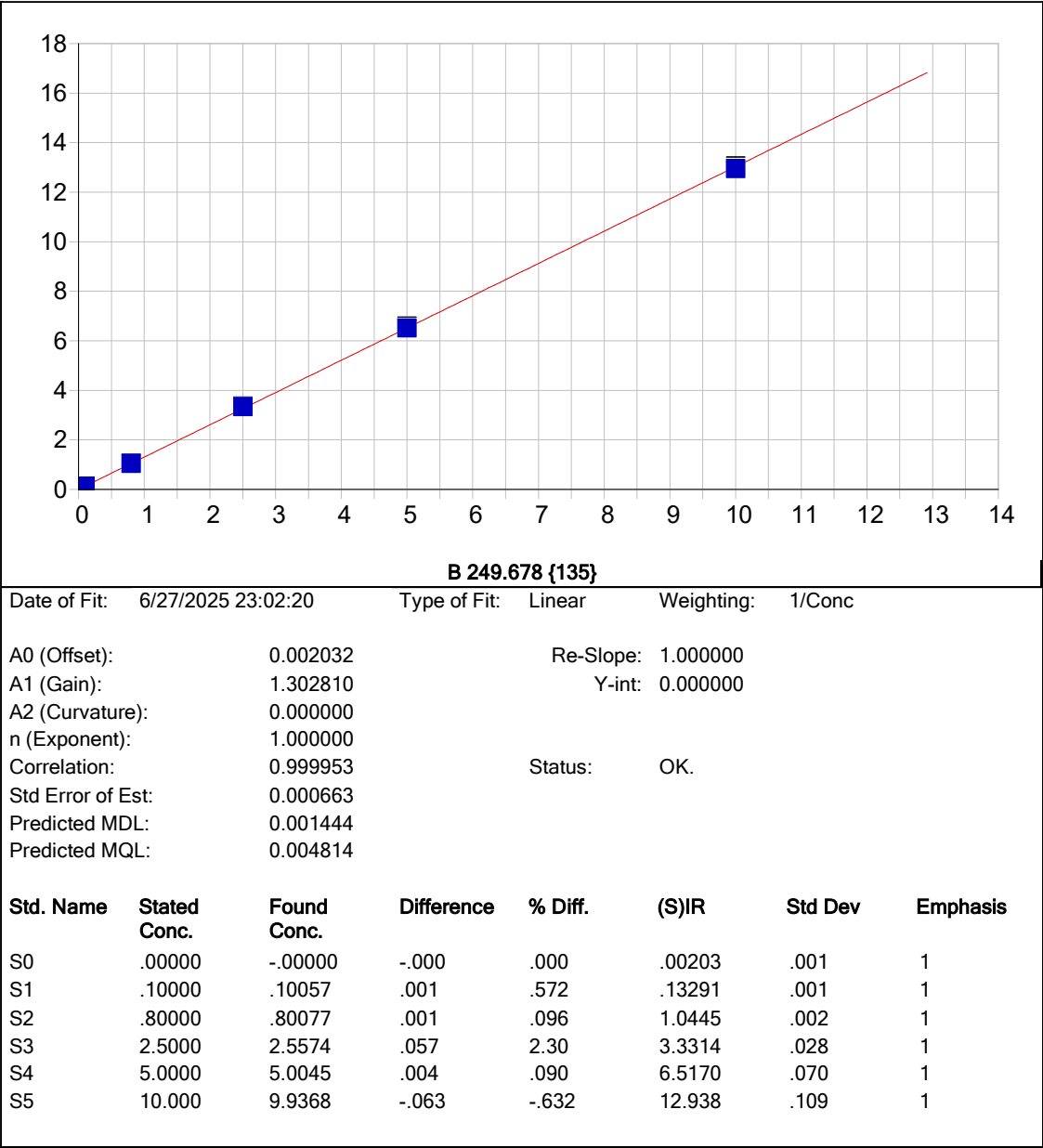
A0 (Offset): 0.000030 Re-Slope: 1.000000
A1 (Gain): 0.123987 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999994 Status: OK.
Std Error of Est: 0.000010
Predicted MDL: 0.006288
Predicted MQL: 0.020961

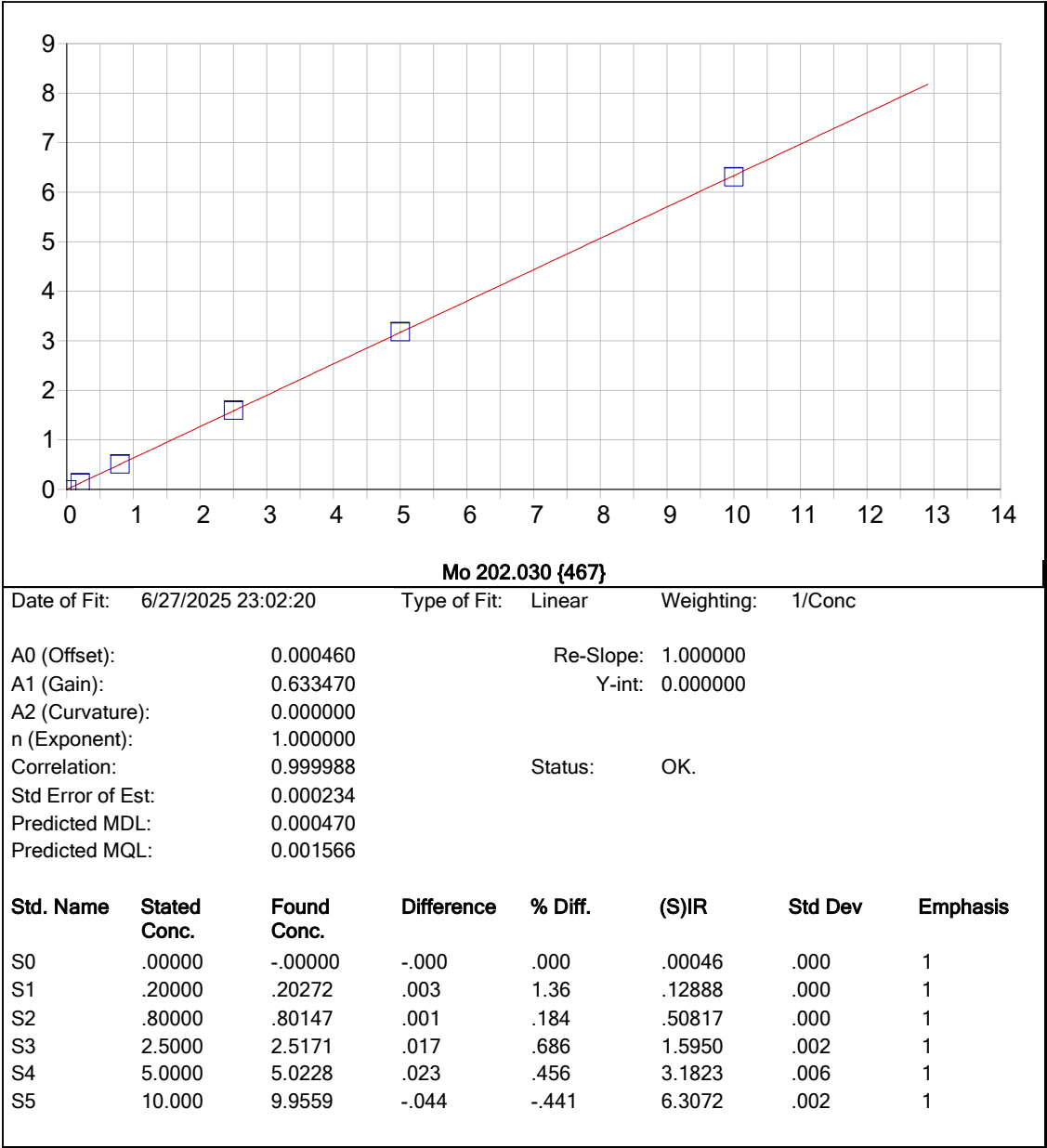


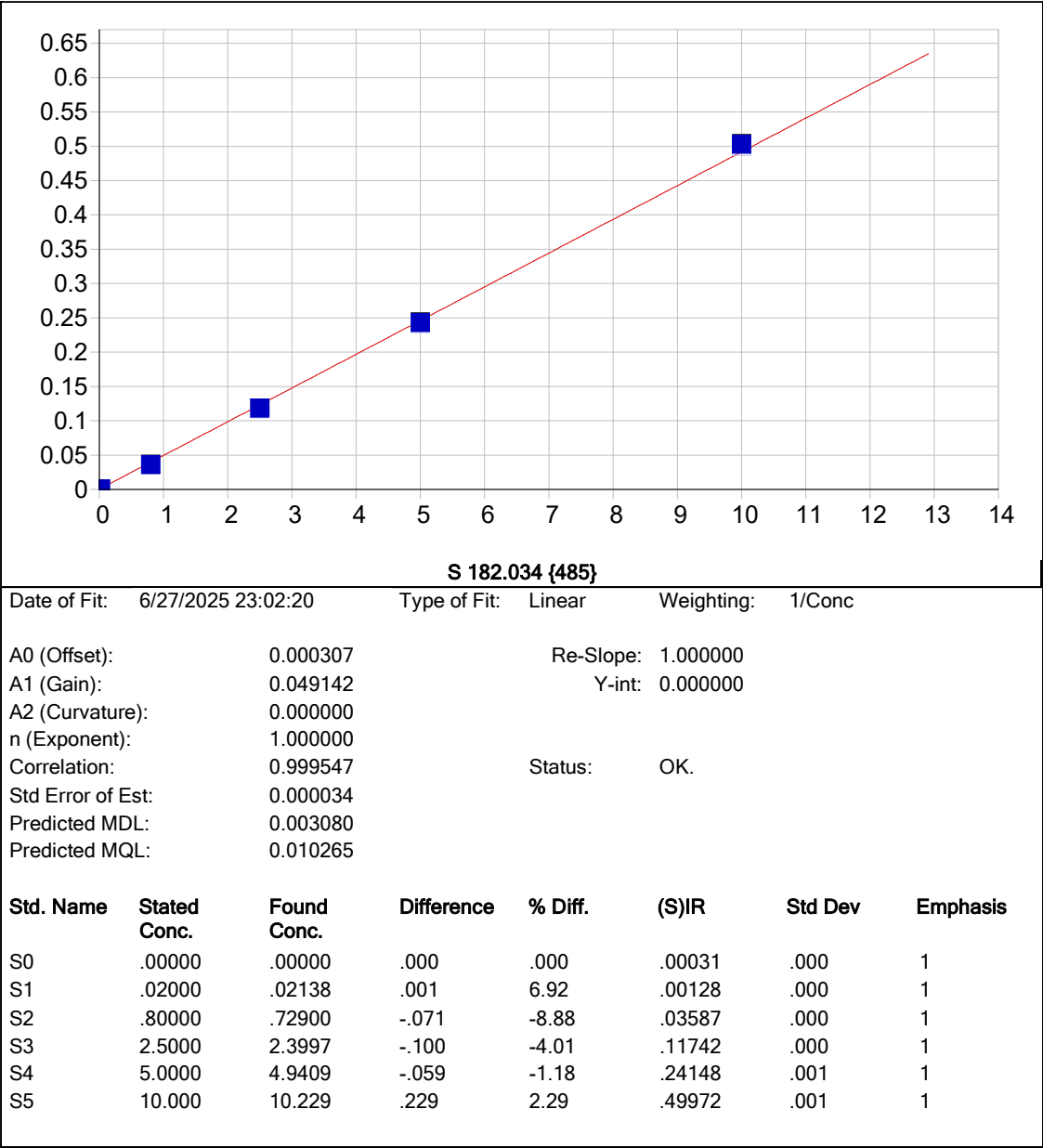


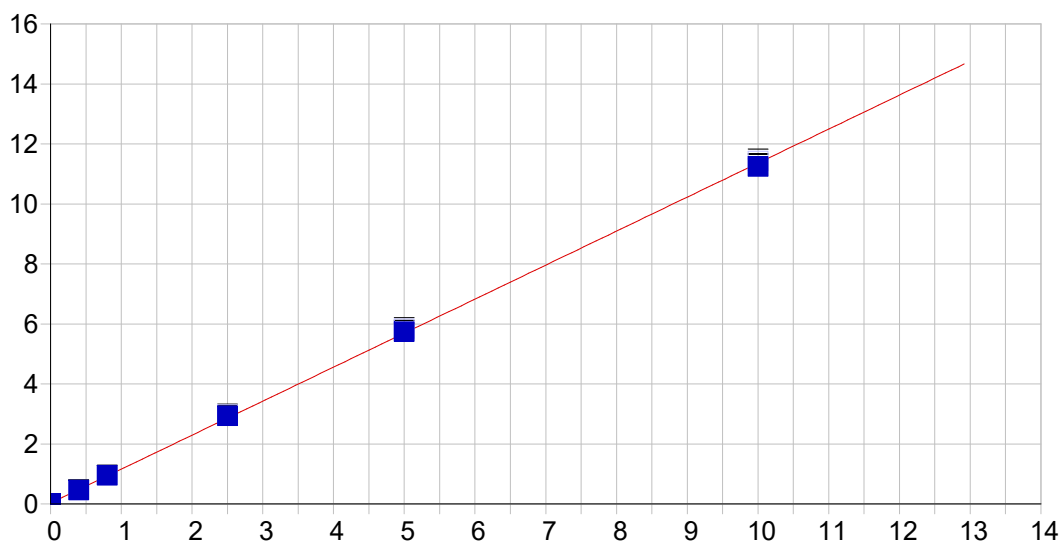










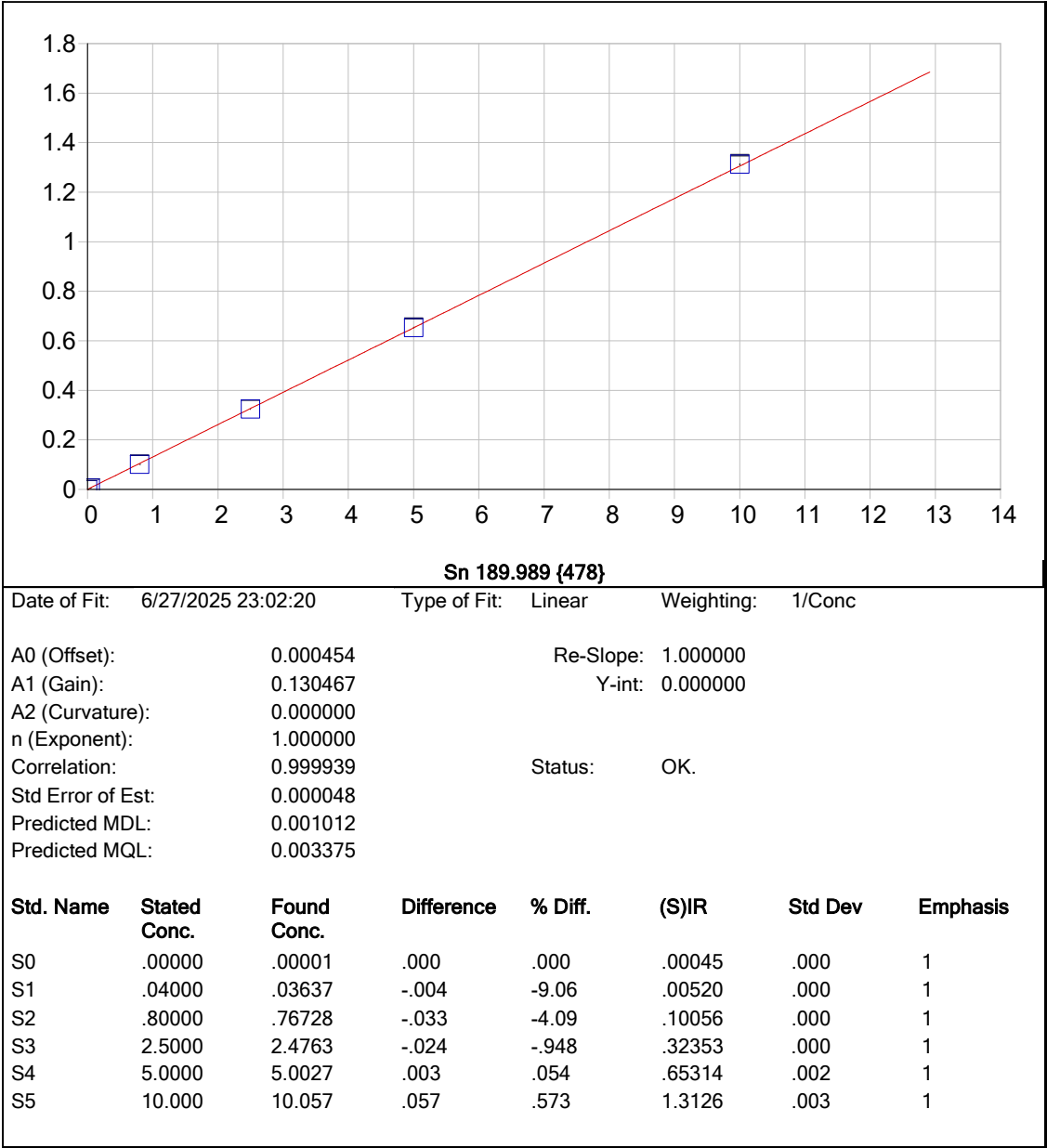


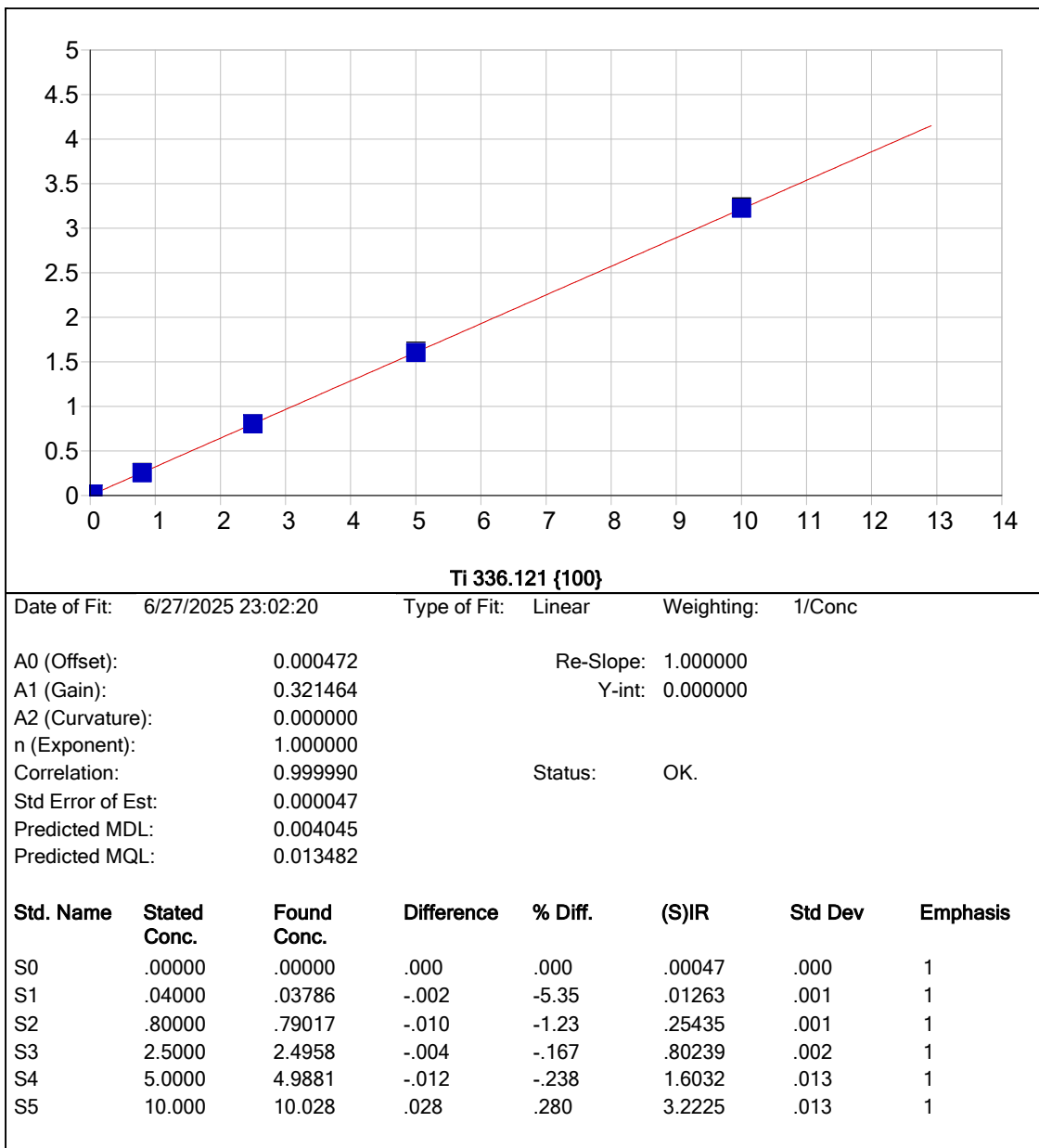
Si 251.611 {134}

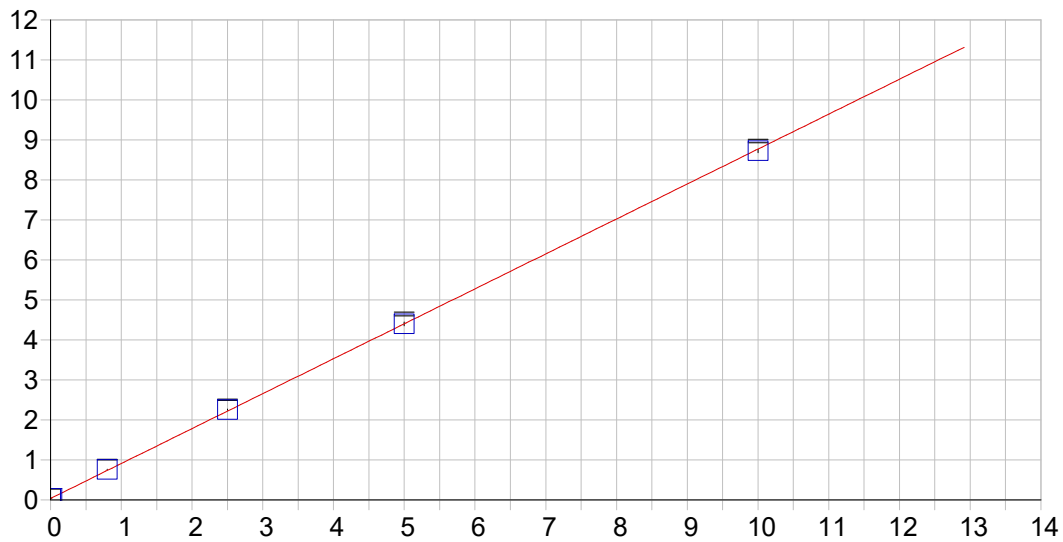
Date of Fit: 6/27/2025 23:02:20 Type of Fit: Linear Weighting: 1/Conc

A0 (Offset): 0.024335 Re-Slope: 1.000000
A1 (Gain): 1.133602 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999896 Status: OK.
Std Error of Est: 0.001756
Predicted MDL: 0.001514
Predicted MQL: 0.005047

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.02433	.001	1
S1	.40000	.38404	-.016	-3.99	.46232	.005	1
S2	.80000	.81401	.014	1.75	.96176	.002	1
S3	2.5000	2.5637	.064	2.55	2.9764	.024	1
S4	5.0000	5.0438	.044	.876	5.8336	.044	1
S5	10.000	9.8943	-.106	-1.06	11.424	.075	1





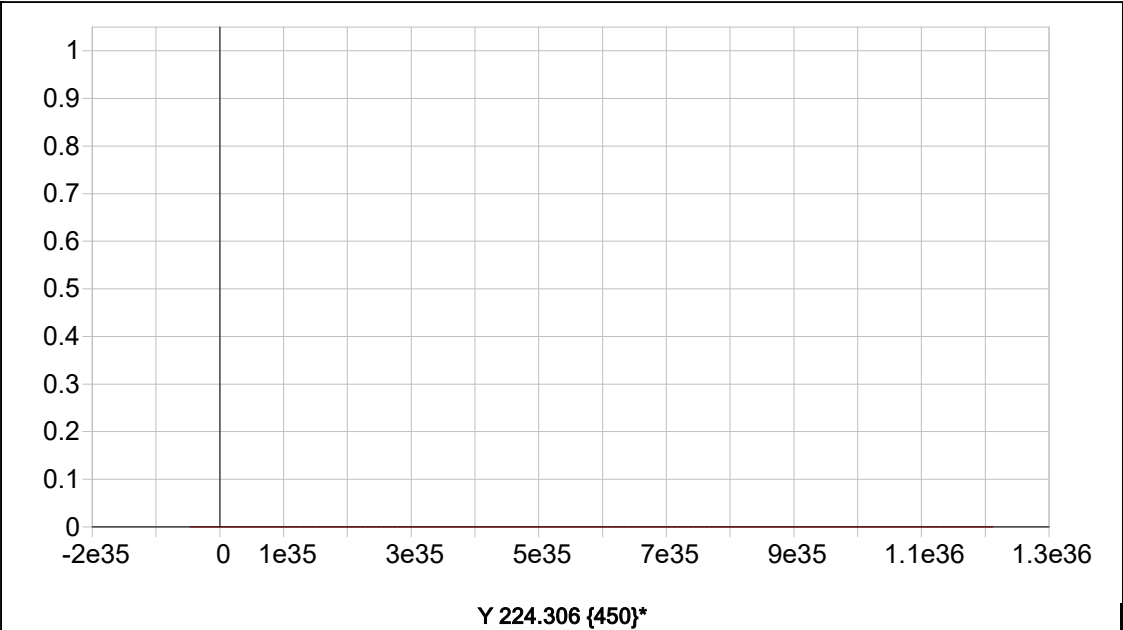


Li 670.784 { 50}

Date of Fit: 6/27/2025 23:02:20 Type of Fit: Linear Weighting: 1/Conc

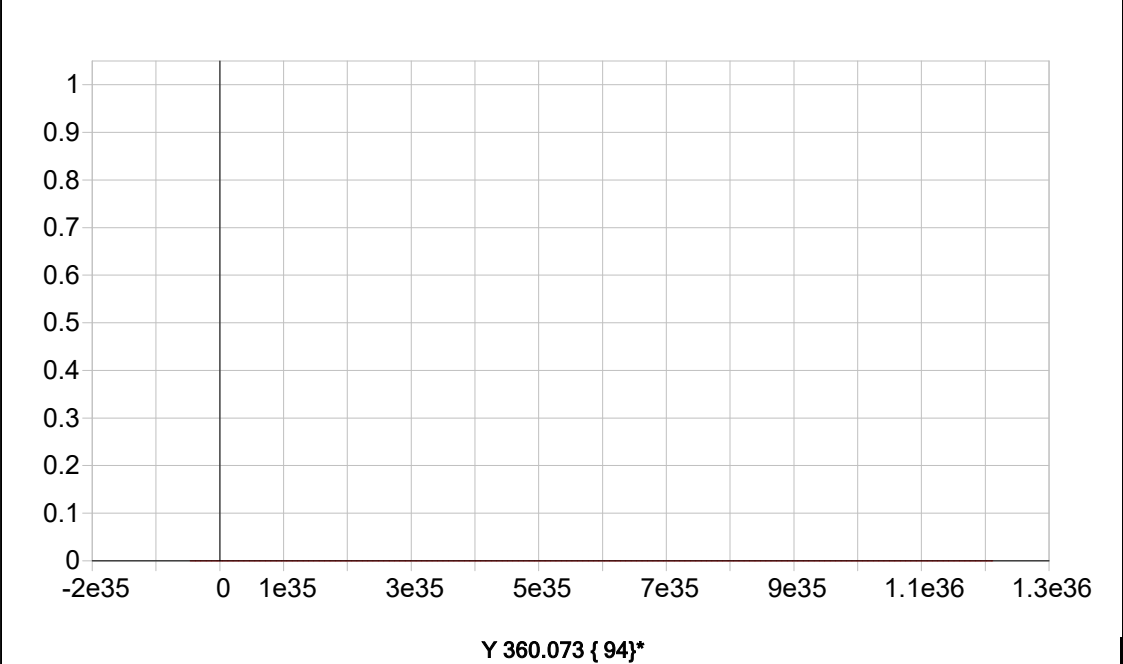
A0 (Offset): 0.036240 Re-Slope: 1.000000
A1 (Gain): 0.873419 Y-int: 0.000000
A2 (Curvature): 0.000000
n (Exponent): 1.000000
Correlation: 0.999854 Status: OK.
Std Error of Est: 0.000350
Predicted MDL: 0.006291
Predicted MQL: 0.020972

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00001	.000	.000	.03625	.008	1
S5	10.000	9.9471	-.053	-.529	8.7242	.044	1
S4	5.0000	4.9952	-.005	-.096	4.3991	.049	1
S3	2.5000	2.5405	.040	1.62	2.2551	.013	1
S2	.80000	.82576	.026	3.22	.75748	.008	1
S1	.02000	.01152	-.008	-42.4	.04630	.005	1

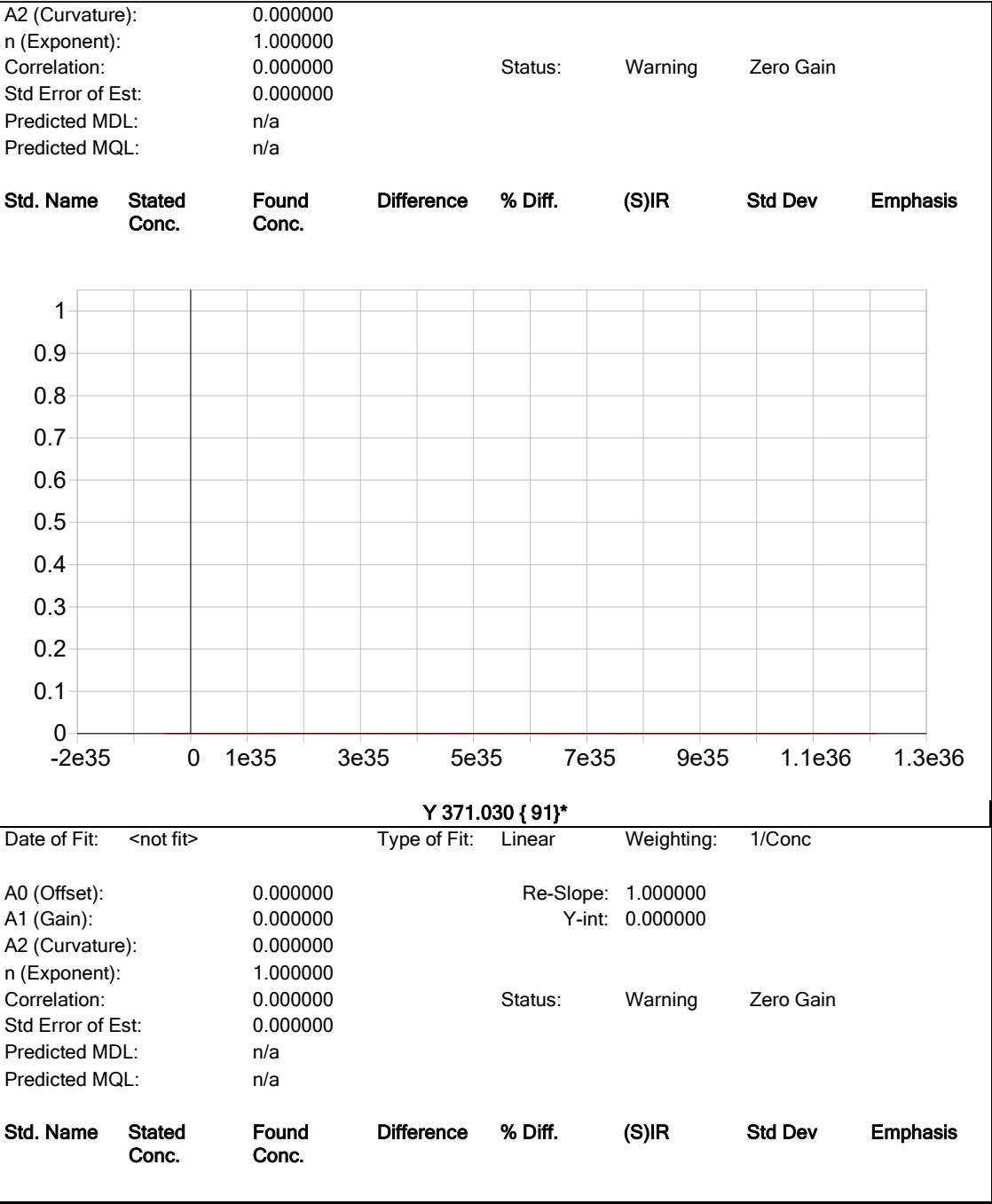


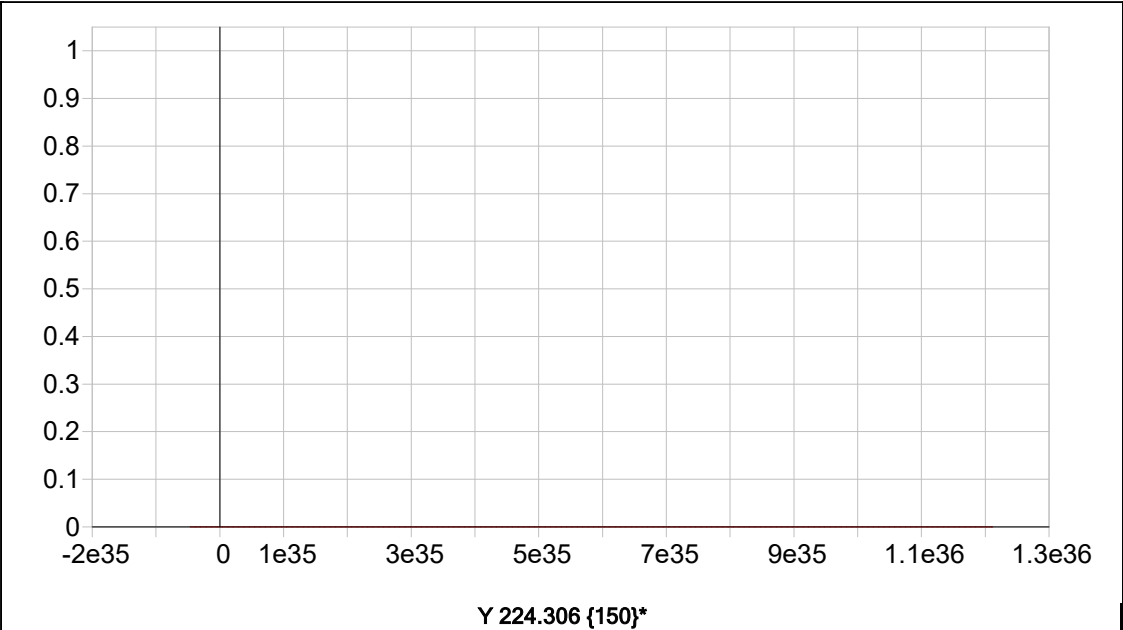
Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000		Re-Slope:	1.000000	
A1 (Gain):	0.000000		Y-int:	0.000000	
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.000000		Status:	Warning	Zero Gain
Std Error of Est:	0.000000				
Predicted MDL:	n/a				
Predicted MQL:	n/a				

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
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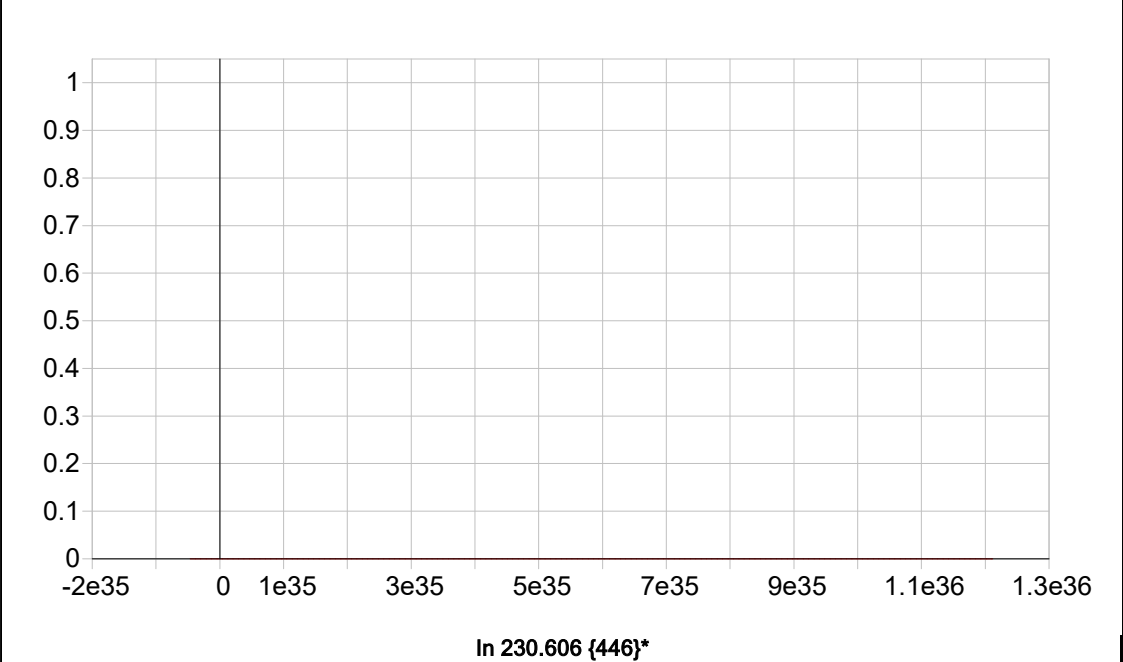
Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000	Re-Slope:	1.000000		
A1 (Gain):	0.000000	Y-int:	0.000000		





Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000		Re-Slope:	1.000000	
A1 (Gain):	0.000000		Y-int:	0.000000	
A2 (Curvature):	0.000000				
n (Exponent):	1.000000				
Correlation:	0.000000		Status:	Warning	Zero Gain
Std Error of Est:	0.000000				
Predicted MDL:	n/a				
Predicted MQL:	n/a				

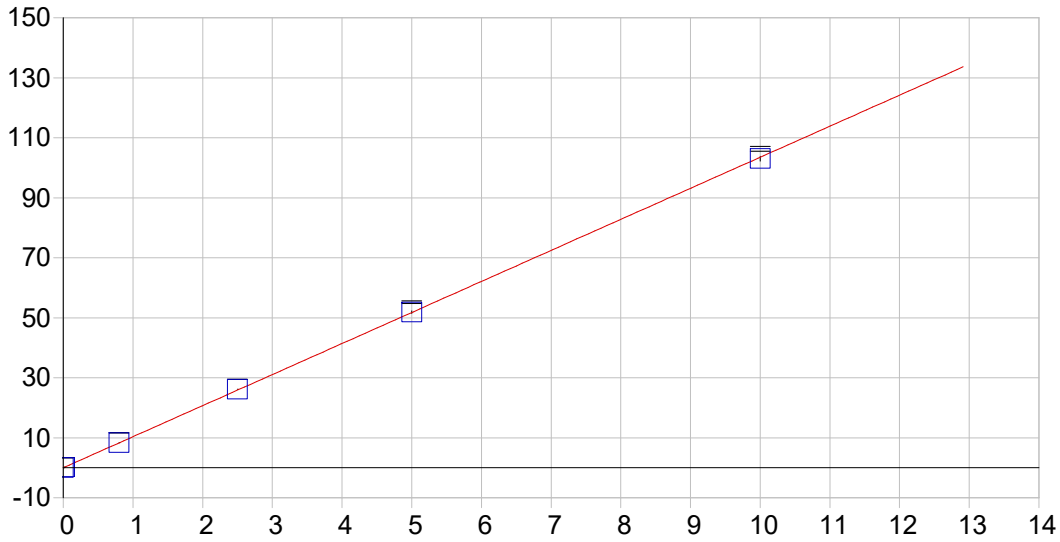
Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
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Date of Fit:	<not fit>	Type of Fit:	Linear	Weighting:	1/Conc
A0 (Offset):	0.000000	Re-Slope:	1.000000		
A1 (Gain):	0.000000	Y-int:	0.000000		

A2 (Curvature):	0.000000						
n (Exponent):	1.000000						
Correlation:	0.000000		Status:	Warning	Zero Gain		
Std Error of Est:	0.000000						
Predicted MDL:	n/a						
Predicted MQL:	n/a						

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
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Sr 407.771 { 83}

Date of Fit:	6/27/2025 23:02:20	Type of Fit:	Linear	Weighting:	1/Conc		
A0 (Offset):	0.000319			Re-Slope:	1.000000		
A1 (Gain):	10.349802			Y-int:	0.000000		
A2 (Curvature):	0.000000						
n (Exponent):	1.000000						
Correlation:	0.999983		Status:	OK.			
Std Error of Est:	0.001419						
Predicted MDL:	0.000219						
Predicted MQL:	0.000728						

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00000	-.000	.000	.00031	.003	1
S1	.02000	.02048	.000	2.39	.21227	.002	1
S2	.80000	.80547	.005	.684	8.3368	.024	1
S3	2.5000	2.5289	.029	1.15	26.174	.033	1
S4	5.0000	5.0118	.012	.236	51.872	.384	1
S5	10.000	9.9534	-.047	-.466	103.02	.804	1

LB136362

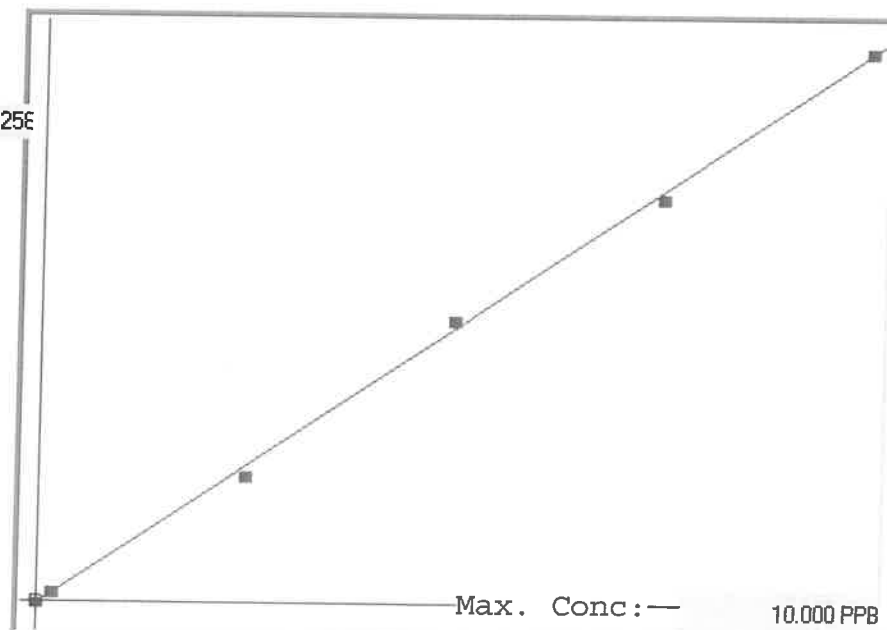
7471B

INSTRUMENT ID: CV1

Linear

μ Abs.:

44256



A= 0.0000e+000

B= 2.2579e-004

C= 4.4561e-002

Rho= 0.9995670

Accept=Accepted

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5	%CV
0.0	0.000	0.048	0.048	16	0.000	16					12
0.2	0.200	0.223	0.023	791	0.0 %	791					6
2.5	2.500	2.344	-0.156	10182	0.0 %	10182					3
5.0	5.000	5.167	0.167	22685	0.0 %	22685					2
7.5	7.500	7.381	-0.119	32491	0.0 %	32491					0
10.0	10.000	10.038	0.038	44258	0.0 %	44258					

LB136362 INSTRUMENT ID : CV1

Method: 7471B

Operator: Admin

Date of Analysis: 26 Jun 2025 09:48:53

Sample ID	Extended ID	μ Abs.	Conc.	Std Conc	Method	Units	Date	Type	Type
0.0 - 1	50	16	-	0.0000	7471B	PPB	26 Jun 2025 09:50:30	S	Std
0.2 - 1	50.2	791	-	0.2000	7471B	PPB	26 Jun 2025 09:52:47	S	Std
2.5 - 1	52.5	10182	-	2.5000	7471B	PPB	26 Jun 2025 09:55:04	S	Std
5.0 - 1	55	22685	-	5.0000	7471B	PPB	26 Jun 2025 09:57:21	S	Std
7.5 - 1	57.5	32491	-	7.5000	7471B	PPB	26 Jun 2025 09:59:39	S	Std
10.0 - 1	57.5	44258	-	10.0000	7471B	PPB	26 Jun 2025 10:01:58	S	Std
ICV06 - 1	ICV06	17222	3.9332	-	7471B	PPB	26 Jun 2025 10:05:00	U	SMPL
ICB06 - 1	ICB06	-266	-0.0155	-	7471B	PPB	26 Jun 2025 10:07:15	U	SMPL
CCV16 - 1	CCV16	22652	5.1592	-	7471B	PPB	26 Jun 2025 10:09:34	U	SMPL
CCB16 - 1	CCB16	-277	-0.0180	-	7471B	PPB	26 Jun 2025 10:11:49	U	SMPL
CRA - 1	CRA	774	0.2193	-	7471B	PPB	26 Jun 2025 10:14:10	U	SMPL
HighStd - 1	HighStd	44570	10.1081	-	7471B	PPB	26 Jun 2025 10:16:25	U	SMPL
ChkStd - 1	ChkStd	31462	7.1484	-	7471B	PPB	26 Jun 2025 10:18:40	U	SMPL
PB168616BL - 1	PBS	-388	-0.0430	-	7471B	PPB	26 Jun 2025 10:21:10	U	SMPL
PB168616BS - 1	LCSS	17080	3.9011	-	7471B	PPB	26 Jun 2025 10:23:32	U	SMPL
Q2392-01 - 1	S-1	759	0.2159	-	7471B	PPB	26 Jun 2025 10:25:49	U	SMPL
Q2393-01 - 1	PARK AVE -1	1503	0.3839	-	7471B	PPB	26 Jun 2025 10:28:08	U	SMPL
Q2393-03 - 1	PARK AVE -2	2789	0.6743	-	7471B	PPB	26 Jun 2025 10:30:25	U	SMPL
Q2393-05 - 1	PARK AVE -3	1590	0.4036	-	7471B	PPB	26 Jun 2025 10:32:43	U	SMPL
Q2393-07 - 1	PARK AVE -4	2240	0.5503	-	7471B	PPB	26 Jun 2025 10:34:59	U	SMPL
CCV17 - 1	CCV17	24003	5.4642	-	7471B	PPB	26 Jun 2025 10:37:15	U	SMPL
CCB17 - 1	CCB17	-244	-0.0105	-	7471B	PPB	26 Jun 2025 10:39:31	U	SMPL
Q2393-09 - 1	PARK AVE -5	1539	0.3921	-	7471B	PPB	26 Jun 2025 10:41:55	U	SMPL
Q2393-11 - 1	PARK AVE -6	1489	0.3808	-	7471B	PPB	26 Jun 2025 10:44:10	U	SMPL
Q2394-01 - 1	MH-K/L	520	0.1620	-	7471B	PPB	26 Jun 2025 10:46:26	U	SMPL
Q2398-03 - 1	M00-25-0179	306	0.1137	-	7471B	PPB	26 Jun 2025 10:48:42	U	SMPL
Q2398-06 - 1	ARS20-0036	-1	0.0443	-	7471B	PPB	26 Jun 2025 10:50:57	U	SMPL
Q2399-01 - 1	TP-13	2828	0.6831	-	7471B	PPB	26 Jun 2025 10:53:14	U	SMPL
Q2399-05 - 1	EP-7	1504	0.3842	-	7471B	PPB	26 Jun 2025 10:55:30	U	SMPL
Q2400-01 - 1	B-156-SB01	43668	9.9044	-	7471B	PPB	26 Jun 2025 10:57:48	U	SMPL
Q2400-02 - 1	B-134-SB01	629	0.1866	-	7471B	PPB	26 Jun 2025 11:00:05	U	SMPL
Q2403-03 - 1	LAW-25-0093	234	0.0974	-	7471B	PPB	26 Jun 2025 11:02:50	U	SMPL
CCV18 - 1	CCV18	22795	5.1915	-	7471B	PPB	26 Jun 2025 11:07:10	U	SMPL
CCB18 - 1	CCB18	-255	-0.0130	-	7471B	PPB	26 Jun 2025 11:09:25	U	SMPL
Q2403-07 - 1	ARS 20-006	2282	0.5598	-	7471B	PPB	26 Jun 2025 11:11:49	U	SMPL
Q2403-07DUP - 1	ARS 20-006DUP	1941	0.4828	-	7471B	PPB	26 Jun 2025 11:14:04	U	SMPL
Q2403-07MS - 1	ARS 20-006MS	19551	4.4590	-	7471B	PPB	26 Jun 2025 11:16:20	U	SMPL
Q2403-07MSD - 1	ARS 20-006MSD	18050	4.1201	-	7471B	PPB	26 Jun 2025 11:18:36	U	SMPL
Q2405-01 - 1	MH-M/H	9	0.0466	-	7471B	PPB	26 Jun 2025 11:20:55	U	SMPL
Q2403-07LX5 - 1		413	0.1378	-	7471B	PPB	26 Jun 2025 11:23:14	U	SMPL
Q2403-07A - 1		18810	4.2917	-	7471B	PPB	26 Jun 2025 11:25:30	U	SMPL
CCV19 - 1	CCV19	21880	4.9849	-	7471B	PPB	26 Jun 2025 11:27:47	U	SMPL
CCB19 - 1	CCB19	-263	-0.0148	-	7471B	PPB	26 Jun 2025 11:30:07	U	SMPL

SOP ID : M3050B-Digestion-20

SDG No : N/A

Matrix : SOIL

Pipette ID: ICP A

Balance ID : M SC-2

Filter paper ID : N/A

pH Strip ID : N/A

Hood ID : #3

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

Start Digest Date: 06/24/2025 Time : 13:15 Temp : 96 °C

End Digest Date: 06/24/2025 Time : 15:32 Temp : 96 °C

Digestion tube ID: M6054

Block thermometer ID: MET-DIG. #2

Dig Technician Signature: *S/S*

Supervisor Signature: *[Signature]*

Temp : 1. 96°C 2. N/A

Standard Name	MLS USED	STD REF. # FROM LOG
LFS-1	1.00	M6007
LFS-2	1.00	M6015
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	5.00	M6158
1:1 HNO3	10.00	MP84041
30% H2O2	3.00	M6162
Conc. HCL	10.00	M6151
PTFE Boiling Stones	N/A	M5581
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#2 CELL#35 96 C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
06/24/25 16:32	<i>S/S met. dig</i>	<i>[Signature]</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
PB168598BL	PBS598	N/A	2.00	100	Colorless	Colorless	Fine	N/A	N/A	1
PB168598BS	LCS598	N/A	2.00	100	Colorless	Colorless	Fine	N/A	M6007,M6015	2
Q2392-01	S-1	N/A	2.15	100	Brown	Yellow	Medium	N/A	N/A	3
Q2393-01	PARK AVE -1	N/A	2.20	100	Brown	Yellow	Medium	N/A	N/A	4
Q2393-03	PARK AVE -2	N/A	2.41	100	Brown	Yellow	Medium	N/A	N/A	5
Q2393-05	PARK AVE -3	N/A	2.43	100	Brown	Yellow	Medium	N/A	N/A	6
Q2393-07	PARK AVE -4	N/A	2.44	100	Brown	Yellow	Medium	N/A	N/A	7
Q2393-09	PARK AVE -5	N/A	2.20	100	Brown	Yellow	Medium	N/A	N/A	8
Q2393-11	PARK AVE -6	N/A	2.24	100	Brown	Yellow	Medium	N/A	N/A	9
Q2393-11MS	PARK AVE -6MS	N/A	2.27	100	Brown	Yellow	Medium	N/A	M6007,M6015	11
Q2393-11MSD	PARK AVE -6MSD	N/A	2.22	100	Brown	Yellow	Medium	N/A	M6007,M6015	12
Q2393-11DUP	PARK AVE -6DUP	N/A	2.44	100	Brown	Yellow	Medium	N/A	N/A	10
Q2394-01	MH-K/L	N/A	2.26	100	Brown	Yellow	Medium	N/A	N/A	13
Q2398-03	M00-25-0179	N/A	2.14	100	Brown	Yellow	Medium	N/A	N/A	14
Q2398-06	ARS20-0036	N/A	2.28	100	Brown	Yellow	Medium	N/A	N/A	15
Q2399-01	TP-13	N/A	2.21	100	Brown	Yellow	Medium	N/A	N/A	16
Q2399-05	EP-7	N/A	2.19	100	Brown	Yellow	Medium	N/A	N/A	17
Q2400-01	B-156-SB01	N/A	2.22	100	Brown	Yellow	Medium	N/A	N/A	18
Q2400-02	B-134-SB01	N/A	2.28	100	Brown	Yellow	Medium	N/A	N/A	19

WORKLIST(Hardcopy Internal Chain)

Worklist Name : PB168598

Worklist ID : 190353

Department : Digestion

Date : 06-24-2025 12:48:54

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2392-01	S-1	Solid	Metals ICP-TAL	Cool 4 deg C	EARTH03	A41	06/23/2025	6010D
Q2393-01	PARK AVE -1	Solid	Metals ICP-TAL	Cool 4 deg C	UNIO02	A22	06/23/2025	6010D
Q2393-03	PARK AVE -2	Solid	Metals ICP-TAL	Cool 4 deg C	UNIO02	A22	06/23/2025	6010D
Q2393-05	PARK AVE -3	Solid	Metals ICP-TAL	Cool 4 deg C	UNIO02	A22	06/23/2025	6010D
Q2393-07	PARK AVE -4	Solid	Metals ICP-TAL	Cool 4 deg C	UNIO02	A22	06/23/2025	6010D
Q2393-09	PARK AVE -5	Solid	Metals ICP-TAL	Cool 4 deg C	UNIO02	A22	06/23/2025	6010D
Q2393-11	PARK AVE -6	Solid	Metals ICP-TAL	Cool 4 deg C	UNIO02	A22	06/23/2025	6010D
Q2394-01	MH-KL	Solid	Metals ICP-TAL	Cool 4 deg C	UNIO02	A22	06/23/2025	6010D
Q2398-03	M00-25-0179	Solid	Metals ICP-TAL	Cool 4 deg C	PSEG03	A21	06/23/2025	6010D
Q2398-06	ARSS20-0036	Solid	Metals ICP-TAL	Cool 4 deg C	PSEG03	A33	06/23/2025	6010D
Q2399-01	TP-13	Solid	Metals ICP-TAL	Cool 4 deg C	PSEG03	A33	06/23/2025	6010D
Q2399-05	EP-7	Solid	Metals ICP-TAL	Cool 4 deg C	PSEG03	A41	06/23/2025	6010D
Q2400-01	B-156-SB01	Solid	Metals ICP-TAL	Cool 4 deg C	PSEG03	A41	06/23/2025	6010D
Q2400-02	B-134-SB01	Solid	Metals ICP-TAL	Cool 4 deg C	PORT06	A42	06/23/2025	6010D

Date/Time

06/24/25 13:05

Raw Sample Received by:

SPS, mch, dy

Raw Sample Relinquished by:

SPS, mch, dy

Date/Time

06/24/2025 14:10

Raw Sample Received by:

SPS, mch, dy

Raw Sample Relinquished by:

SPS, mch, dy

SOP ID : M7471B-Mercury-18

SDG No : NA

Matrix : SOIL

Pipette ID: HG A

Balance ID : M SC-3

Filter paper ID : NA

pH Strip ID : NA

Hood ID : #1

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

Start Digest Date: 06/24/2025 Time : 15:35 Temp : 95 °C

End Digest Date: 06/24/2025 Time : 16:06 Temp : 94 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: [Signature]

Supervisor Signature: [Signature]

Temp : 1. 95°C 2. N/A

Standardized Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP86182
CCV	30mL	MP86184
CRA	30mL	MP86186
Blank Spike	0.48mL	MP86174
Matrix Spike	N/A	MP86174

Chemical Used	ML/SAMPLE USED	Lot Number
AQUA REGIA	1.5mL	MP86188
KMnO4 (5%)	4.5mL	MP85893
Hydroxylamine HCL (12%)	2.0mL	MP85895
PTFE Boiling Stones	-----	M5582
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	MP86175
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP86177
2.5 ppb	S2.5	30mL	MP86178
5.0 ppb	S5.0	30mL	MP86179
7.5 ppb	S7.5	30mL	MP86180
10.0 ppb	S10.0	30mL	MP86181
ICV	ICV	30mL	MP86182
ICB	ICB	30mL	MP86183
CCV	CCV	30mL	MP86184
CCB	CCB	30mL	MP86185
CRI	CRI	30mL	MP86186
CHK STD	CHK STD	30mL	MP86187

Extraction Conformance/Non-Conformance Comments:

N/A		
Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
6/24/25 16:40	MS - 1119 LLS	MS - 10121 LLS
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	Initial Weight (g)	Final Vol (ml)	pH	Comment	Prep Pos
PB168616BL	PBS616	0.51	35	NA	N/A	3-1
PB168616BS	LCS616	0.53	35	NA	MP86174	2
Q2392-01	S-1	0.54	35	NA	N/A	3
Q2393-01	PARK AVE -1	0.53	35	NA	N/A	4
Q2393-03	PARK AVE -2	0.58	35	NA	N/A	5
Q2393-05	PARK AVE -3	0.51	35	NA	N/A	6
Q2393-07	PARK AVE -4	0.57	35	NA	N/A	7
Q2393-09	PARK AVE -5	0.59	35	NA	N/A	8
Q2393-11	PARK AVE -6	0.53	35	NA	N/A	9
Q2394-01	MH-K/L	0.58	35	NA	N/A	10
Q2398-03	M00-25-0179	0.56	35	NA	N/A	11
Q2398-06	ARS20-0036	0.57	35	NA	N/A	12
Q2399-01	TP-13	0.55	35	NA	N/A	13
Q2399-05	EP-7	0.58	35	NA	N/A	14
Q2400-01	B-156-SB01	0.56	35	NA	N/A	15
Q2400-02	B-134-SB01	0.54	35	NA	N/A	16
Q2403-03	LAW-25-0093	0.55	35	NA	N/A	17
Q2403-07	ARS 20-006	0.56	35	NA	N/A	18
Q2403-07DUP	ARS 20-006DUP	0.56	35	NA	N/A	19
Q2403-07MS	ARS 20-006MS	0.57	35	NA	MP86174	20
Q2403-07MSD	ARS 20-006MSD	0.53	35	NA	MP86174	21
Q2405-01	MH-M/H	0.58	35	NA	N/A	22

WORKLIST(Hardcopy Internal Chain)

WorkList Name : 062425_7471

WorkList ID : 190345

Department : Digestion

Date : 06-24-2025 08:51:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2392-01	S-1	Solid	Mercury	Cool 4 deg C	EARTH03	A41	06/23/2025	7471B
Q2393-01	PARK AVE -1	Solid	Mercury	Cool 4 deg C	UNIO02	A22	06/23/2025	7471B
Q2393-03	PARK AVE -2	Solid	Mercury	Cool 4 deg C	UNIO02	A22	06/23/2025	7471B
Q2393-05	PARK AVE -3	Solid	Mercury	Cool 4 deg C	UNIO02	A22	06/23/2025	7471B
Q2393-07	PARK AVE -4	Solid	Mercury	Cool 4 deg C	UNIO02	A22	06/23/2025	7471B
Q2393-09	PARK AVE -5	Solid	Mercury	Cool 4 deg C	UNIO02	A22	06/23/2025	7471B
Q2393-11	PARK AVE -6	Solid	Mercury	Cool 4 deg C	UNIO02	A22	06/23/2025	7471B
Q2400-01	B-156-SB01	Solid	Mercury	Cool 4 deg C	UNIO02	A22	06/23/2025	7471B
Q2400-02	B-134-SB01	Solid	Mercury	Cool 4 deg C	PORT06	A42	06/23/2025	7471B
Q2394-01	MH-K/L	Solid	Mercury	Cool 4 deg C	PORT06	A42	06/23/2025	7471B
Q2398-03	M00-25-0179	Solid	Mercury	Cool 4 deg C	PSEG03	A21	06/23/2025	7471B
Q2398-06	ARS20-0036	Solid	Mercury	Cool 4 deg C	PSEG03	A33	06/23/2025	7471B
Q2399-01	TP-13	Solid	Mercury	Cool 4 deg C	PSEG03	A33	06/23/2025	7471B
Q2399-05	EP-7	Solid	Mercury	Cool 4 deg C	PSEG03	A41	06/23/2025	7471B
Q2403-03	LAW-25-0093	Solid	Mercury	Cool 4 deg C	PSEG03	A41	06/23/2025	7471B
Q2403-07	ARS 20-0006	Solid	Mercury	Cool 4 deg C	PSEG03	A32	06/23/2025	7471B
Q2405-01	MH-M/H	Solid	Mercury	Cool 4 deg C	PSEG03	D41	06/24/2025	7471B

Date/Time 6/24/25 14:40
Raw Sample Received by: POB-174-UG
Raw Sample Relinquished by: POB-174-UG

Date/Time 6/24/25 11:30
Raw Sample Received by: POB-174-UG
Raw Sample Relinquished by: POB-174-UG



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 6/25/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 17:10
In Date: 06/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 06/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB136243

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Sample Wt (g)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
Q2392-01	S-1	1	1.15	10.05	11.2	10.42	92.2	
Q2392-02	S-1A	2	1.18	10.49	11.67	10.97	93.3	
Q2393-01	PARK AVE -1	3	1.17	10.34	11.51	9.78	83.3	
Q2393-02	PARK AVE -1	4	1.15	10.07	11.22	9.4	81.9	
Q2393-03	PARK AVE -2	5	1.13	10.85	11.98	10.19	83.5	
Q2393-04	PARK AVE -2	6	1.19	10.26	11.45	9.55	81.5	
Q2393-05	PARK AVE -3	7	1.12	10.25	11.37	10.00	86.6	
Q2393-06	PARK AVE -3	8	1.15	10.84	11.99	10.5	86.3	
Q2393-07	PARK AVE -4	9	1.16	10.70	11.86	10.54	87.7	
Q2393-08	PARK AVE -4	10	1.19	9.86	11.05	9.84	87.7	
Q2393-09	PARK AVE -5	11	1.15	10.84	11.99	11.05	91.3	
Q2393-10	PARK AVE -5	12	1.15	9.95	11.1	9.95	88.4	
Q2393-11	PARK AVE -6	13	1.19	10.23	11.42	10.07	86.8	
Q2393-12	PARK AVE -6	14	1.17	10.52	11.69	10.4	87.7	
Q2394-01	MH-K/L	15	1.18	10.49	11.67	10.23	86.3	
Q2394-02	MH-K/L EPH	16	1.19	9.97	11.16	9.58	84.2	
Q2394-03	MH-K/L VOC	17	1.13	10.86	11.99	10.66	87.8	
Q2394-04	MH-K/L	18	1.18	10.49	11.67	10.23	86.3	
Q2396-01	245F53-1-1	19	1.00	1.00	2.00	2.00	100.0	oilc
Q2396-02	245F53-1-2	20	1.00	1.00	2.00	2.00	100.0	oilc
Q2396-03	LAW-25-1A	21	1.00	1.00	2.00	2.00	100.0	oilc
Q2396-04	LAW-25-1B	22	1.00	1.00	2.00	2.00	100.0	oilc
Q2396-05	LAW-25-2A	23	1.00	1.00	2.00	2.00	100.0	oilc
Q2396-06	LAW-25-2B	24	1.00	1.00	2.00	2.00	100.0	oilc
Q2396-07	LAW-25-3A	25	1.00	1.00	2.00	2.00	100.0	oilc
Q2396-08	LAW-25-3B	26	1.00	1.00	2.00	2.00	100.0	oilc
Q2398-01	M00-25-0169	27	1.00	1.00	2.00	2.00	100.0	oil sample
Q2398-03	M00-25-0179	28	1.19	10.07	11.26	7.63	64.0	



PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 6/25/2025

OVENTEMP IN Celsius(°C): 108
Time IN: 17:10
In Date: 06/24/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:15
Out Date: 06/25/2025
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB136243

Lab ID	Client SampleID	Dish #	Dish Wt (g) (A)	Sample Wt (g)	Dish + Sample Wt (g) (B)	Dish+Dry Sample Wt (g) (C)	% Solid	Comments
Q2398-04	M00-25-0179-E2	29	1.19	10.25	11.44	7.68	63.3	
Q2398-06	ARS20-0036	30	1.19	10.53	11.72	10.47	88.1	
Q2398-07	ARS20-0036-E2	31	1.12	10.77	11.89	10.9	90.8	
Q2399-01	TP-13	32	1.13	10.84	11.97	10.27	84.3	
Q2399-02	TP-13-EPH	33	1.19	10.36	11.55	9.96	84.7	
Q2399-03	TP-13-VOC	34	1.15	10.84	11.99	10.36	85.0	
Q2399-04	TP-13	35	1.13	10.84	11.97	10.27	84.3	
Q2399-05	EP-7	36	1.19	10.47	11.66	10.37	87.7	
Q2399-06	EP-7-EPH	37	1.19	10.47	11.66	10.33	87.3	
Q2399-07	EP-7-VOC	38	1.16	10.57	11.73	10.38	87.2	
Q2399-08	EP-13	39	1.19	10.47	11.66	10.37	87.7	
Q2400-01	B-156-SB01	40	1.17	10.58	11.75	10.11	84.5	
Q2400-02	B-134-SB01	41	1.19	10.00	11.19	9.49	83.0	
Q2403-03	LAW-25-0093	42	1.18	10.24	11.42	10.54	91.4	
Q2403-04	LAW-25-0093-E2	43	1.18	10.14	11.32	10.42	91.1	
Q2403-05	Concrete-062325	44	1.15	10.84	11.99	11.71	97.4	
Q2403-07	ARS 20-006	45	1.19	10.44	11.63	11.13	95.2	
Q2403-08	ARS020-0006-E2	46	1.18	10.64	11.82	11.09	93.1	
Q2405-01	MH-M/H	47	1.19	10.11	11.3	10.37	90.8	
Q2405-02	MH-M/N-EPH	48	1.19	10.01	11.2	10.15	89.5	
Q2405-03	MH-M/N-VOC	49	1.11	10.71	11.82	10.9	91.4	
Q2406-01	PUMPING-PLANT	50	1.00	1.00	2.00	2.00	100.0	oil sample
Q2409-02	COP-SOIL-PILE	51	1.18	10.58	11.76	11.38	96.4	
Q2410-01	TRE-25-0021	52	1.00	1.00	2.00	2.00	100.0	debris
Q2411-01	TRE-2002	53	1.00	1.00	2.00	2.00	100.0	wipe sample
Q2412-01	TR-05-062425	54	1.18	10.08	11.26	10.94	96.8	
Q2412-02	TR-05-062425-E2	55	1.16	10.28	11.44	11.23	98.0	

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

136243

WorkList Name : %1-062425

WorkList ID : 190342

Department : Wet-Chemistry

Date : 06-24-2025 08:17:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2392-01	S-1	Solid	Percent Solids	Cool 4 deg C	EARTH03	A41	06/23/2025	Chemtech -SO
Q2392-02	S-1A	Solid	Percent Solids	Cool 4 deg C	EARTH03	A41	06/23/2025	Chemtech -SO
Q2393-01	PARK AVE -1	Solid	Percent Solids	Cool 4 deg C	UNIO02	A22	06/23/2025	Chemtech -SO
Q2393-02	PARK AVE -1	Solid	Percent Solids	Cool 4 deg C	UNIO02	A22	06/23/2025	Chemtech -SO
Q2393-03	PARK AVE -2	Solid	Percent Solids	Cool 4 deg C	UNIO02	A22	06/23/2025	Chemtech -SO
Q2393-04	PARK AVE -2	Solid	Percent Solids	Cool 4 deg C	UNIO02	A22	06/23/2025	Chemtech -SO
Q2393-05	PARK AVE -3	Solid	Percent Solids	Cool 4 deg C	UNIO02	A22	06/23/2025	Chemtech -SO
Q2393-06	PARK AVE -3	Solid	Percent Solids	Cool 4 deg C	UNIO02	A22	06/23/2025	Chemtech -SO
Q2393-07	PARK AVE -4	Solid	Percent Solids	Cool 4 deg C	UNIO02	A22	06/23/2025	Chemtech -SO
Q2393-08	PARK AVE -4	Solid	Percent Solids	Cool 4 deg C	UNIO02	A22	06/23/2025	Chemtech -SO
Q2393-09	PARK AVE -5	Solid	Percent Solids	Cool 4 deg C	UNIO02	A22	06/23/2025	Chemtech -SO
Q2393-10	PARK AVE -5	Solid	Percent Solids	Cool 4 deg C	UNIO02	A22	06/23/2025	Chemtech -SO
Q2393-11	PARK AVE -6	Solid	Percent Solids	Cool 4 deg C	UNIO02	A22	06/23/2025	Chemtech -SO
Q2393-12	PARK AVE -6	Solid	Percent Solids	Cool 4 deg C	UNIO02	A22	06/23/2025	Chemtech -SO
Q2394-01	MH-K/L	Solid	Percent Solids	Cool 4 deg C	PSEG03	A21	06/23/2025	Chemtech -SO
Q2394-02	MH-K/L EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	A21	06/23/2025	Chemtech -SO
Q2394-03	MH-K/L VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	A21	06/23/2025	Chemtech -SO
Q2394-04	MH-K/L	Solid	Percent Solids	Cool 4 deg C	PSEG03	A21	06/23/2025	Chemtech -SO
Q2396-01	245F53-1-1	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	06/23/2025	Chemtech -SO
Q2396-02	245F53-1-2	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	06/23/2025	Chemtech -SO
Q2396-03	LAW-25-1A	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	06/23/2025	Chemtech -SO

Date/Time 06/24/25 15:10

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 06/24/25

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

WORKLIST(Hardcopy Internal Chain)

136243

WorkList Name : %1-062425

WorkList ID : 190342

Department : Wet-Chemistry

Date : 06-24-2025 08:17:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2396-04	LAW-25-1B	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	06/23/2025	Chemtech -SO
Q2396-05	LAW-25-2A	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	06/23/2025	Chemtech -SO
Q2396-06	LAW-25-2B	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	06/23/2025	Chemtech -SO
Q2396-07	LAW-25-3A	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	06/23/2025	Chemtech -SO
Q2396-08	LAW-25-3B	Solid	Percent Solids	Cool 4 deg C	PSEG03	A11	06/23/2025	Chemtech -SO
Q2398-01	M00-25-0169	Solid	Percent Solids	Cool 4 deg C	PSEG03	A33	06/23/2025	Chemtech -SO
Q2398-03	M00-25-0179	Solid	Percent Solids	Cool 4 deg C	PSEG03	A33	06/23/2025	Chemtech -SO
Q2398-04	M00-25-0179-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	A33	06/23/2025	Chemtech -SO
Q2398-06	ARS20-0036	Solid	Percent Solids	Cool 4 deg C	PSEG03	A33	06/23/2025	Chemtech -SO
Q2398-07	ARS20-0036-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	A33	06/23/2025	Chemtech -SO
Q2399-01	TP-13	Solid	Percent Solids	Cool 4 deg C	PSEG03	A41	06/23/2025	Chemtech -SO
Q2399-02	TP-13-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	A41	06/23/2025	Chemtech -SO
Q2399-03	TP-13-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	A41	06/23/2025	Chemtech -SO
Q2399-04	TP-13	Solid	Percent Solids	Cool 4 deg C	PSEG03	A41	06/23/2025	Chemtech -SO
Q2399-05	EP-7	Solid	Percent Solids	Cool 4 deg C	PSEG03	A41	06/23/2025	Chemtech -SO
Q2399-06	EP-7-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	A41	06/23/2025	Chemtech -SO
Q2399-07	EP-7-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	A41	06/23/2025	Chemtech -SO
Q2399-08	EP-13	Solid	Percent Solids	Cool 4 deg C	PSEG03	A41	06/23/2025	Chemtech -SO
Q2400-01	B-156-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	A42	06/23/2025	Chemtech -SO
Q2400-02	B-134-SB01	Solid	Percent Solids	Cool 4 deg C	PORT06	A42	06/23/2025	Chemtech -SO
Q2403-03	LAW-25-0093	Solid	Percent Solids	Cool 4 deg C	PSEG03	A32	06/23/2025	Chemtech -SO

Date/Time

Raw Sample Received by:

Raw Sample Relinquished by:

Date/Time

Raw Sample Received by:

Raw Sample Relinquished by:

WORKLIST(Hardcopy Internal Chain)

136243

WorkList Name : %1-062425

WorkList ID : 190342

Department : Wet-Chemistry

Date : 06-24-2025 08:17:18

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2403-04	LAW-25-0093-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	A32	06/23/2025	Chemtech -SO
Q2403-05	Concrete-062325	Solid	Percent Solids	Cool 4 deg C	PSEG03	A32	06/23/2025	Chemtech -SO
Q2403-07	ARS 20-006	Solid	Percent Solids	Cool 4 deg C	PSEG03	A32	06/23/2025	Chemtech -SO
Q2403-08	ARS020-0006-E2	Solid	Percent Solids	Cool 4 deg C	PSEG03	A32	06/23/2025	Chemtech -SO
Q2405-01	MH-M/H	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/24/2025	Chemtech -SO
Q2405-02	MH-M/N-EPH	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/24/2025	Chemtech -SO
Q2405-03	MH-M/N-VOC	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/24/2025	Chemtech -SO
Q2406-01	PUMPING-PLANT	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/23/2025	Chemtech -SO
Q2409-02	COP-SOIL-PILE	Solid	Percent Solids	Cool 4 deg C	COPP02	D51	06/24/2025	Chemtech -SO
Q2410-01	TRE-25-0021	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/24/2025	Chemtech -SO
Q2411-01	TRE-2002	Solid	Percent Solids	Cool 4 deg C	PSEG03	D41	06/24/2025	Chemtech -SO
Q2412-01	TR-05-062425	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	06/24/2025	Chemtech -SO
Q2412-02	TR-05-062425-E2	Solid	Percent Solids	Cool 4 deg C	PSEG05	D41	06/24/2025	Chemtech -SO

Date/Time 06/24/25 15:10

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Date/Time 06/24/25 17:20

Raw Sample Received by: [Signature]

Raw Sample Relinquished by: [Signature]

Instrument ID: P5

Daily Analysis Runlog For Sequence/QC Batch ID # LB136319

Review By	Janvi	Review On	6/30/2025 11:42:29 AM
Supervise By	jaswal	Supervise On	7/2/2025 2:14:45 AM
STD. NAME	STD REF.#		
ICAL Standard	MP86192,MP86193,MP86194,MP86195,MP86196,MP86212		
ICV Standard	MP86213		
CCV Standard	MP86216		
ICSA Standard	MP86214,MP86215		
CRI Standard	MP86212		
LCS Standard			
Chk Standard	MP86217,MP86218		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	06/27/25 11:11		Janvi	OK
2	S1	S1	CAL2	06/27/25 11:16		Janvi	OK
3	S2	S2	CAL3	06/27/25 11:20		Janvi	OK
4	S3	S3	CAL4	06/27/25 11:24		Janvi	OK
5	S4	S4	CAL5	06/27/25 11:29		Janvi	OK
6	S5	S5	CAL6	06/27/25 11:33		Janvi	OK
7	ICV01	ICV01	ICV	06/27/25 11:45	ICV fail for Sb,Cr,Ag (200.7) (95-105)	Janvi	OK
8	LLICV01	LLICV01	LLICV	06/27/25 12:03		Janvi	OK
9	ICB01	ICB01	ICB	06/27/25 12:54		Janvi	OK
10	CRI01	CRI01	CRDL	06/27/25 12:58		Janvi	OK
11	ICSA01	ICSA01	ICSA	06/27/25 13:04		Janvi	OK
12	ICSAB01	ICSAB01	ICSAB	06/27/25 13:09		Janvi	OK
13	ICSADL	ICSADL	ICSA	06/27/25 13:14		Janvi	OK
14	ICSABDL	ICSABDL	ICSAB	06/27/25 13:18		Janvi	OK
15	CCV01	CCV01	CCV	06/27/25 13:22		Janvi	OK
16	CCB01	CCB01	CCB	06/27/25 13:31		Janvi	OK
17	PB168612BL	PB168612BL	MB	06/27/25 13:36		Janvi	OK
18	PB168612BS	PB168612BS	LCS	06/27/25 13:40		Janvi	OK

Instrument ID: P5

Daily Analysis Runlog For Sequence/QC Batch ID # LB136319

Review By	Janvi	Review On	6/30/2025 11:42:29 AM
Supervise By	jaswal	Supervise On	7/2/2025 2:14:45 AM
STD. NAME	STD REF.#		
ICAL Standard	MP86192,MP86193,MP86194,MP86195,MP86196,MP86212		
ICV Standard	MP86213		
CCV Standard	MP86216		
ICSA Standard	MP86214,MP86215		
CRI Standard	MP86212		
LCS Standard			
Chk Standard	MP86217,MP86218		

19	Q2403-03	LAW-25-0093	SAM	06/27/25 13:45		Janvi	OK
20	Q2403-05	Concrete-062325	SAM	06/27/25 13:49		Janvi	OK
21	Q2403-07	ARS 20-0006	SAM	06/27/25 13:54		Janvi	OK
22	Q2403-07DUP	ARS 20-0006DUP	DUP	06/27/25 13:58		Janvi	OK
23	Q2403-07L	ARS 20-0006L	SD	06/27/25 14:02		Janvi	OK
24	Q2403-07MS	ARS 20-0006MS	MS	06/27/25 14:07		Janvi	OK
25	Q2403-07MSD	ARS 20-0006MSD	MSD	06/27/25 14:11		Janvi	OK
26	Q2403-07A	ARS 20-0006A	PS	06/27/25 14:15		Janvi	OK
27	CCV02	CCV02	CCV	06/27/25 14:19		Janvi	OK
28	CCB02	CCB02	CCB	06/27/25 14:24		Janvi	OK
29	Q2405-01	MH-M/N	SAM	06/27/25 14:28		Janvi	OK
30	Q2404-01	1ST-FL-CHILD-CARE	SAM	06/27/25 14:32		Janvi	OK
31	Q2404-02	1ST-FL-CHILD-CARE	SAM	06/27/25 14:37		Janvi	OK
32	Q2404-03	1ST-FL-CHILD-CARE	SAM	06/27/25 14:41		Janvi	OK
33	Q2404-04	1ST-FL-CHILD-CARE	SAM	06/27/25 14:46		Janvi	OK
34	Q2404-05	1ST-FL-HALLWAY-BA	SAM	06/27/25 14:50		Janvi	OK
35	Q2404-06	1ST-FL-HALLWAY-BA	SAM	06/27/25 14:54		Janvi	OK
36	Q2404-07	1ST-FL-HALLWAY-BA	SAM	06/27/25 14:59		Janvi	OK
37	Q2404-08	1ST-FL-HALLWAY-BA	SAM	06/27/25 15:03		Janvi	OK
38	Q2404-09	1ST-FL-HALLWAY-BA	SAM	06/27/25 15:07		Janvi	OK

Instrument ID: P5

Daily Analysis Runlog For Sequence/QC Batch ID # LB136319

Review By	Janvi	Review On	6/30/2025 11:42:29 AM
Supervise By	jaswal	Supervise On	7/2/2025 2:14:45 AM

STD. NAME	STD REF.#
ICAL Standard	MP86192,MP86193,MP86194,MP86195,MP86196,MP86212
ICV Standard	MP86213
CCV Standard	MP86216
ICSA Standard	MP86214,MP86215
CRI Standard	MP86212
LCS Standard	
Chk Standard	MP86217,MP86218

39	CCV03	CCV03	CCV	06/27/25 15:12		Janvi	OK
40	CCB03	CCB03	CCB	06/27/25 15:16		Janvi	OK
41	Q2404-10	1ST-FL-HALLWAY-BA	SAM	06/27/25 15:21		Janvi	OK
42	Q2404-11	1ST-FL-CHILD-CARE	SAM	06/27/25 15:25		Janvi	OK
43	Q2404-12	1ST-FL-CHILD-CARE	SAM	06/27/25 15:29	ICV fail for Cr,Ag	Janvi	Not Ok
44	Q2404-12DUP	1ST-FL-CHILD-CARE	DUP	06/27/25 15:34	ICV fail for Cr,Ag	Janvi	Not Ok
45	Q2404-12L	1ST-FL-CHILD-CARE	SD	06/27/25 15:38	ICV fail for Cr,Ag	Janvi	Not Ok
46	Q2404-12MS	1ST-FL-CHILD-CARE	MS	06/27/25 15:42	ICV fail for Cr,Ag	Janvi	Not Ok
47	Q2404-12MSD	1ST-FL-CHILD-CARE	MSD	06/27/25 15:47	ICV fail for Cr,Ag	Janvi	Not Ok
48	Q2404-12A	1ST-FL-CHILD-CARE	PS	06/27/25 15:51	ICV fail for Cr,Ag	Janvi	Not Ok
49	PB168598BL	PB168598BL	MB	06/27/25 15:55		Janvi	OK
50	PB168598BS	PB168598BS	LCS	06/27/25 16:00		Janvi	OK
51	CCV04	CCV04	CCV	06/27/25 16:04		Janvi	OK
52	CCB04	CCB04	CCB	06/27/25 16:09		Janvi	OK
53	Q2393-01	PARK AVE -1	SAM	06/27/25 16:13		Janvi	OK
54	Q2393-03	PARK AVE -2	SAM	06/27/25 16:17		Janvi	OK
55	Q2393-05	PARK AVE -3	SAM	06/27/25 16:22		Janvi	OK
56	Q2393-07	PARK AVE -4	SAM	06/27/25 16:26		Janvi	OK
57	Q2393-09	PARK AVE -5	SAM	06/27/25 16:30		Janvi	OK
58	Q2393-11	PARK AVE -6	SAM	06/27/25 16:35		Janvi	OK

Instrument ID: P5

Daily Analysis Runlog For Sequence/QC Batch ID # LB136319

Review By	Janvi	Review On	6/30/2025 11:42:29 AM
Supervise By	jaswal	Supervise On	7/2/2025 2:14:45 AM

STD. NAME	STD REF.#
ICAL Standard	MP86192,MP86193,MP86194,MP86195,MP86196,MP86212
ICV Standard	MP86213
CCV Standard	MP86216
ICSA Standard	MP86214,MP86215
CRI Standard	MP86212
LCS Standard	
Chk Standard	MP86217,MP86218

59	Q2393-11DUP	PARK AVE -6DUP	DUP	06/27/25 16:39		Janvi	OK
60	Q2393-11L	PARK AVE -6L	SD	06/27/25 16:43		Janvi	OK
61	Q2393-11MS	PARK AVE -6MS	MS	06/27/25 16:48		Janvi	OK
62	Q2393-11MSD	PARK AVE -6MSD	MSD	06/27/25 16:52		Janvi	OK
63	CCV05	CCV05	CCV	06/27/25 16:56		Janvi	OK
64	CCB05	CCB05	CCB	06/27/25 17:01		Janvi	OK
65	Q2393-11A	PARK AVE -6A	PS	06/27/25 17:05		Janvi	OK
66	Q2394-01	MH-K/L	SAM	06/27/25 17:09		Janvi	OK
67	Q2398-03	M00-25-0179	SAM	06/27/25 17:14		Janvi	OK
68	Q2398-06	ARS20-0036	SAM	06/27/25 17:18		Janvi	OK
69	Q2399-01	TP-13	SAM	06/27/25 17:22		Janvi	OK
70	Q2399-05	EP-7	SAM	06/27/25 17:27		Janvi	OK
71	Q2400-01	B-156-SB01	SAM	06/27/25 17:31		Janvi	OK
72	Q2400-02	B-134-SB01	SAM	06/27/25 17:36		Janvi	OK
73	Q2403-05DL	Concrete-062325DL	SAM	06/27/25 17:40	Report 5X for straight	Janvi	OK
74	PB168628BL	PB168628BL	MB	06/27/25 17:45		Janvi	OK
75	CCV06	CCV06	CCV	06/27/25 17:49		Janvi	OK
76	CCB06	CCB06	CCB	06/27/25 17:53		Janvi	OK
77	PB168628BS	PB168628BS	LCS	06/27/25 17:58		Janvi	OK
78	Q2414-01	WC-1	SAM	06/27/25 18:02		Janvi	OK

Instrument ID: P5

Daily Analysis Runlog For Sequence/QC Batch ID # LB136319

Review By	Janvi	Review On	6/30/2025 11:42:29 AM
Supervise By	jaswal	Supervise On	7/2/2025 2:14:45 AM
STD. NAME	STD REF.#		
ICAL Standard	MP86192,MP86193,MP86194,MP86195,MP86196,MP86212		
ICV Standard	MP86213		
CCV Standard	MP86216		
ICSA Standard	MP86214,MP86215		
CRI Standard	MP86212		
LCS Standard			
Chk Standard	MP86217,MP86218		

79	Q2415-01	WC-1	SAM	06/27/25 18:06		Janvi	OK
80	Q2416-01	MH-G/H	SAM	06/27/25 18:11		Janvi	OK
81	Q2420-01	72-11933	SAM	06/27/25 18:15		Janvi	OK
82	Q2425-01	COMP-1	SAM	06/27/25 18:19		Janvi	OK
83	Q2425-02	COMP-2	SAM	06/27/25 18:24		Janvi	OK
84	Q2413-01	TP-35	SAM	06/27/25 18:28		Janvi	OK
85	Q2413-02	TP-34	SAM	06/27/25 18:33		Janvi	OK
86	Q2413-03	TP-77	SAM	06/27/25 18:37		Janvi	OK
87	CCV07	CCV07	CCV	06/27/25 18:41		Janvi	OK
88	CCB07	CCB07	CCB	06/27/25 18:46		Janvi	OK
89	Q2413-04	TP-74	SAM	06/27/25 18:50		Janvi	OK
90	Q2413-05	TP-73	SAM	06/27/25 18:54		Janvi	OK
91	Q2413-06	TP-72	SAM	06/27/25 18:59		Janvi	OK
92	Q2425-03	COMP-3	SAM	06/27/25 19:03		Janvi	OK
93	Q2425-03DUP	COMP-3DUP	DUP	06/27/25 19:08		Janvi	OK
94	Q2425-03L	COMP-3L	SD	06/27/25 19:12		Janvi	OK
95	Q2425-03MS	COMP-3MS	MS	06/27/25 19:16		Janvi	OK
96	Q2425-03MSD	COMP-3MSD	MSD	06/27/25 19:20		Janvi	OK
97	Q2425-03A	COMP-3A	PS	06/27/25 19:25		Janvi	OK
98	CCV08	CCV08	CCV	06/27/25 19:29		Janvi	OK

Instrument ID: P5

Daily Analysis Runlog For Sequence/QCBatch ID # LB136319

Review By	Janvi	Review On	6/30/2025 11:42:29 AM
Supervise By	jaswal	Supervise On	7/2/2025 2:14:45 AM
STD. NAME	STD REF.#		
ICAL Standard	MP86192,MP86193,MP86194,MP86195,MP86196,MP86212		
ICV Standard	MP86213		
CCV Standard	MP86216		
ICSA Standard	MP86214,MP86215		
CRI Standard	MP86212		
LCS Standard			
Chk Standard	MP86217,MP86218		

99	CCB08	CCB08	CCB	06/27/25 19:33		Janvi	OK
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Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB136362

Review By	jaswal	Review On	6/26/2025 3:59:15 PM
Supervise By	MOHAN	Supervise On	6/26/2025 4:06:37 PM
STD. NAME	STD REF.#		
ICAL Standard	MP86175,MP86177,MP86178,MP86179,MP86180,MP86181		
ICV Standard	MP86182		
CCV Standard	MP861		
ICSA Standard			
CRI Standard	MP86186		
LCS Standard			
Chk Standard	MP86183,MP86185,MP86187,mp86191		

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	06/26/25 09:50		MOHAN	OK
2	S0.2	S0.2	CAL2	06/26/25 09:52		MOHAN	OK
3	S2.5	S2.5	CAL3	06/26/25 09:55		MOHAN	OK
4	S5	S5	CAL4	06/26/25 09:57		MOHAN	OK
5	S7.5	S7.5	CAL5	06/26/25 09:59		MOHAN	OK
6	S10	S10	CAL6	06/26/25 10:01		MOHAN	OK
7	ICV06	ICV06	ICV	06/26/25 10:05		MOHAN	OK
8	ICB06	ICB06	ICB	06/26/25 10:07		MOHAN	OK
9	CCV16	CCV16	CCV	06/26/25 10:09		MOHAN	OK
10	CCB16	CCB16	CCB	06/26/25 10:11		MOHAN	OK
11	CRA	CRA	CRDL	06/26/25 10:14		MOHAN	OK
12	HighStd	HighStd	HIGH STD	06/26/25 10:16		MOHAN	OK
13	ChkStd	ChkStd	SAM	06/26/25 10:18		MOHAN	OK
14	PB168616BL	PB168616BL	MB	06/26/25 10:21		MOHAN	OK
15	PB168616BS	PB168616BS	LCS	06/26/25 10:23		MOHAN	OK
16	Q2392-01	S-1	SAM	06/26/25 10:25		MOHAN	OK
17	Q2393-01	PARK AVE -1	SAM	06/26/25 10:28		MOHAN	OK
18	Q2393-03	PARK AVE -2	SAM	06/26/25 10:30		MOHAN	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB136362

Review By	jaswal	Review On	6/26/2025 3:59:15 PM
Supervise By	MOHAN	Supervise On	6/26/2025 4:06:37 PM
STD. NAME	STD REF.#		
ICAL Standard	MP86175,MP86177,MP86178,MP86179,MP86180,MP86181		
ICV Standard	MP86182		
CCV Standard	MP861		
ICSA Standard			
CRI Standard	MP86186		
LCS Standard			
Chk Standard	MP86183,MP86185,MP86187,mp86191		

19	Q2393-05	PARK AVE -3	SAM	06/26/25 10:32		MOHAN	OK
20	Q2393-07	PARK AVE -4	SAM	06/26/25 10:34		MOHAN	OK
21	CCV17	CCV17	CCV	06/26/25 10:37		MOHAN	OK
22	CCB17	CCB17	CCB	06/26/25 10:39		MOHAN	OK
23	Q2393-09	PARK AVE -5	SAM	06/26/25 10:41		MOHAN	OK
24	Q2393-11	PARK AVE -6	SAM	06/26/25 10:44		MOHAN	OK
25	Q2394-01	MH-K/L	SAM	06/26/25 10:46		MOHAN	OK
26	Q2398-03	M00-25-0179	SAM	06/26/25 10:48		MOHAN	OK
27	Q2398-06	ARS20-0036	SAM	06/26/25 10:50		MOHAN	OK
28	Q2399-01	TP-13	SAM	06/26/25 10:53		MOHAN	OK
29	Q2399-05	EP-7	SAM	06/26/25 10:55		MOHAN	OK
30	Q2400-01	B-156-SB01	SAM	06/26/25 10:57		MOHAN	OK
31	Q2400-02	B-134-SB01	SAM	06/26/25 11:00		MOHAN	OK
32	Q2403-03	LAW-25-0093	SAM	06/26/25 11:02		MOHAN	OK
33	CCV18	CCV18	CCV	06/26/25 11:07		MOHAN	OK
34	CCB18	CCB18	CCB	06/26/25 11:09		MOHAN	OK
35	Q2403-07	ARS 20-0006	SAM	06/26/25 11:11		MOHAN	OK
36	Q2403-07DUP	ARS 20-0006DUP	DUP	06/26/25 11:14		MOHAN	OK
37	Q2403-07MS	ARS 20-0006MS	MS	06/26/25 11:16		MOHAN	OK
38	Q2403-07MSD	ARS 20-0006MSD	MSD	06/26/25 11:18		MOHAN	OK

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QC Batch ID # LB136362

Review By	jaswal	Review On	6/26/2025 3:59:15 PM
Supervise By	MOHAN	Supervise On	6/26/2025 4:06:37 PM
STD. NAME	STD REF.#		
ICAL Standard	MP86175,MP86177,MP86178,MP86179,MP86180,MP86181		
ICV Standard	MP86182		
CCV Standard	MP861		
ICSA Standard			
CRI Standard	MP86186		
LCS Standard			
Chk Standard	MP86183,MP86185,MP86187,mp86191		

39	Q2405-01	MH-M/N	SAM	06/26/25 11:20		MOHAN	OK
40	Q2403-07L	ARS 20-0006L	SD	06/26/25 11:23		MOHAN	OK
41	Q2403-07A	ARS 20-0006A	PS	06/26/25 11:25		MOHAN	OK
42	CCV19	CCV19	CCV	06/26/25 11:27		MOHAN	OK
43	CCB19	CCB19	CCB	06/26/25 11:30		MOHAN	OK



SHIPPING DOCUMENTS

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Union Parking & Construction

ADDRESS: 190 PARK AVE

CITY HANOVER Twp STATE: NJ ZIP:

ATTENTION: GERARD BUSACCO

PHONE: (201) 315-5055 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: 190 PARK AVE HANOVER Twp NJ-PD 36316-001

PROJECT NO.: LOCATION:

PROJECT MANAGER:

e-mail:

PHONE:

FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:

ADDRESS:

CITY STATE: ZIP:

ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*

HARDCOPY (DATA PACKAGE): _____ DAYS*

EDD: _____ DAYS*

*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data) ☐ Other _____
☐ EDD FORMAT _____

VOCs
Cp, Met, Mercury
PCB, Pest, PH
SVOCs

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS	
			COMP	GRAB	DATE	TIME		E/F	E	E	E						Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-OTHER	
1.	PARK AVE-1	5.	X		6-23	0820	4		X	X	X							
2.	PARK AVE-1			X		0822	4	X									PPM-0.0	
3.	PARK AVE-2		X			0828	4		X	X	X							
4.	PARK AVE-2			X		0830	4	X									PPM-0.0	
5.	PARK AVE-3		X			0832	4		X	X	X							
6.	PARK AVE-3			X		0834	4	X									PPM-0.0	
7.	PARK AVE-4		X			0837	4		X	X	X							
8.	PARK AVE-4			X		0839	4	X									PPM-0.0	
9.	PARK AVE-5		X			0843	4		X	X	X							
10.	PARK AVE-5			X		0845	4	X									PPM-0.0	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <u>[Signature]</u>	DATE/TIME: <u>1015</u> <u>6-23-25</u>	RECEIVED BY: 1. <u>[Signature]</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>3.5</u> °C Comments: _____
RELINQUISHED BY SAMPLER: 2. <u>[Signature]</u>	DATE/TIME: _____	RECEIVED BY: 2. _____	_____
RELINQUISHED BY SAMPLER: 3. <u>[Signature]</u>	DATE/TIME: <u>1100</u> <u>6-23-25</u>	RECEIVED BY: 3. _____	_____

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Union Paving & Construction
ADDRESS: 190 PARK AVE
CITY HANOVER Twp STATE: NJ ZIP:
ATTENTION: GERARD BUSACCO
PHONE: (201) 315-5055 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: 190 PARK AVE HANOVER Twp NJ-PO 3306-001
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

ANALYSIS

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B
+ Raw Data) ☐ Other _____
☐ EDD FORMAT _____

VOCs
GP. Met. Mercury
PCBs, Pestic. PAH, SVOCs

PRESERVATIVES

COMMENTS

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# OF BOTTLES	PRESERVATIVES									COMMENTS
			COMP	GRAB	DATE	TIME		E/F	E	E							
1.	PARK AVE-6	S.	X		6-23	0852	4		X	X							
2.	PARK AVE-6	S.		X	6-23	0854	4	X									PPM-0.0
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER: 1. <u>[Signature]</u>	DATE/TIME: <u>10:15</u> <u>6-23-25</u>	RECEIVED BY: 1. <u>[Signature]</u>	Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP <u>3.1</u> °C
RELINQUISHED BY SAMPLER: 2. <u>[Signature]</u>	DATE/TIME:	RECEIVED BY: 2. <u>[Signature]</u>	Comments: _____
RELINQUISHED BY SAMPLER: 3. <u>[Signature]</u>	DATE/TIME: <u>11:00</u> <u>6-23-25</u>	RECEIVED BY: 3. <u>[Signature]</u>	Comments: _____

Page 2 of 2 CLIENT: ☐ Hand Delivered ☐ Other Shipment Complete ☐ YES ☐ NO

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2393	UNIO02	Order Date : 6/23/2025 11:43:58 AM	Project Mgr :
Client Name : Union Paving & Constructi		Project Name : 190 Park Ave Hanover Twp	Report Type : Level 3
Client Contact : Gerard Busacco		Receive DateTime : 6/23/2025 2:00:00 PM 	EDD Type : Excel NJ
Invoice Name : Union Paving & Constructi		Purchase Order : 11-10 PM	Hard Copy Date :
Invoice Contact : Gerard Busacco			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2393-02	PARK AVE -1	Solid	06/23/2025	08:22	VOC-TCLVOA-10		8260 		10 Bus. Days
Q2393-04	PARK AVE -2	Solid	06/23/2025	08:30	VOC-TCLVOA-10		8260 		10 Bus. Days
Q2393-06	PARK AVE -3	Solid	06/23/2025	08:34	VOC-TCLVOA-10		8260 		10 Bus. Days
Q2393-08	PARK AVE -4	Solid	06/23/2025	08:39	VOC-TCLVOA-10		8260 		10 Bus. Days
Q2393-10	PARK AVE -5	Solid	06/23/2025	08:45	VOC-TCLVOA-10		8260 		10 Bus. Days
Q2393-12	PARK AVE -6	Solid	06/23/2025	08:54	VOC-TCLVOA-10		8260 		10 Bus. Days

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2393	UNIO02	Order Date : 6/23/2025 11:43:58 AM	Project Mgr :
Client Name : Union Paving & Constructi		Project Name : 190 Park Ave Hanover Twp	Report Type : Level 3
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Invoice Name : Union Paving & Constructi		Purchase Order :	Hard Copy Date :
Invoice Contact : Gerard Busacco			Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
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Relinquished By :

Date / Time : 6/23/25 1330

Received By :

Date / Time : 06/23/25 13:30

Storage Area : VOA Refridgerator Room