

206.728.2674

October 23, 2025

Washington State Department of Ecology PO Box 47600 Olympia, Washington 98504-7600

Attention: David Horne

Subject: Post-Construction Compliance Groundwater Monitoring Report - August 2025 Groundwater

Monitoring Event

Dakota Creek Industries Anacortes, Washington Facility/Site No.: 2670 Cleanup Site ID: 5174

GeoEngineers File No. 5147-006-19

Introduction

This document presents the results of August 2025 semi-annual post-construction compliance groundwater monitoring event completed by the Port of Anacortes (Port) at the Dakota Creek Industries (DCI) Site (Site) located in Anacortes, Washington. Semi-annual post-construction compliance groundwater monitoring activities are being completed pursuant to the Washington State Department of Ecology's (Ecology's) opinion letter dated April 1, 2025 (Ecology 2025) to document groundwater conditions following completion of the Ecology-selected cleanup action. Cleanup actions were completed at the Site by the Port between June and August of 2023 (2023 Cleanup Action) to address upland area soil contamination pursuant to the Cleanup Action Plan (CAP; Ecology 2022) and Consent Decree No. 22-2-00800-29. In accordance with the Ecology-approved Compliance Monitoring Plan (CMP; GeoEngineers 2022a), post-construction performance groundwater monitoring was completed on a quarterly basis for one year to document groundwater conditions down gradient of the 2023 Cleanup Action area and other areas of the Site in which soil exceeding the cleanup levels for arsenic, nickel and carcinogenic polycyclic aromatic hydrocarbons (cPAHs) remain in-place. Following review of the quarterly post-construction performance groundwater monitoring results, Ecology is requiring semi-annual post-construction compliance monitoring to further evaluate groundwater conditions at the Site.

This document has been prepared to describe the semi-annual post-construction compliance groundwater monitoring activities completed and chemical analytical results as required by Ecology. The Site is shown relative to the surrounding area in Figure 1. Port Upland Area of the Site is shown in Figure 2. Semi-annual post-construction compliance groundwater monitoring activities are further discussed below.

Summary of Post-Construction Groundwater Monitoring Activities

Groundwater monitoring is being completed on a semi-annual basis at Ecology selected monitoring well locations to further evaluate groundwater conditions at the Site (Figure 2). Post-construction groundwater monitoring activities were completed by the Port in accordance with the Ecology-approved CMP. The sampling locations, procedures and chemical analysis for the groundwater monitoring activities are summarized in the following sections. The need for additional rounds of post-construction compliance groundwater monitoring will be determined by Ecology.

GROUNDWATER MONITORING SCHEDULE

Quarterly Post-Construction Performance Groundwater Monitoring (2023 to 2024)

- Round 1 Groundwater Monitoring Event Completed on November 28, 2023
- Round 2 Groundwater Monitoring Event Completed on February 14, 2024
- Round 3 Monitoring Event Completed between May 21 and May 24, 2024
- Round 4 Monitoring Event Completed on August 19, 2024

Semi-Annual Post-Construction Compliance Groundwater Monitoring (2025 to 2026)

- Round 1 Groundwater Monitoring Event Completed on August 13, 2025
- Round 2 Groundwater Monitoring Event Anticipated for February 2026

GROUNDWATER MONITORING WELLS

As determined by Ecology, existing monitoring wells MW-2B located downgradient of the 2023 Cleanup Action area and monitoring well MW-8 located northwest of 2023 Cleanup Action area are being sampled to further evaluate post-construction groundwater conditions at the Site. The post-construction groundwater compliance monitoring wells are shown relative to the completed 2023 Cleanup Action area in Figure 2. Completion details for the post-construction groundwater compliance monitoring wells are attached (Attachment 1).

GROUNDWATER SAMPLING AND ANALYSIS

In accordance with the CMP, groundwater samples were collected at or around the predicted day-time low tide based on the tide elevation for the United States National Oceanic and Atmospheric Administration (NOAA) Guemes Channel tide station (Station ID 9448794). Groundwater samples were obtained from the monitoring wells using low-flow/low-turbidity sampling techniques to minimize the suspension of sediment in groundwater samples collected. Prior to sampling, a "snapshot" of the groundwater levels at the Site were recorded using an electric water level indicator (e-tape) to the nearest 0.01 foot relative to the surveyed casing rim elevations. Snapshot groundwater level measurements were recorded at monitoring well locations MW-2B, MW-3A, MW-6 and MW-8 (Figure 2) within approximately 30 minutes of each other to evaluate the groundwater flow direction and gradients at the Site. Measured groundwater levels are summarized in Table 1.



Groundwater was pumped at 0.5 liters per minute or less using a peristaltic pump through dedicated polyethylene tubing placed within the screened interval of each well. A YSI Pro series water quality meter with flow-through-cell was used to monitor the following parameters during purging:

- Acidity (pH);
- Electrical conductivity (EC);
- Turbidity;
- Dissolved oxygen (D0);
- Temperature;
- Total dissolved solids (TDS);
- Oxygen reduction potential (ORP); and
- Salinity.

Groundwater samples were collected when these parameters were observed to vary by less than 10 percent on three consecutive measurements. The stabilized field measurements at each well for the August 2025 groundwater monitoring event are summarized in Table 1.

CHEMICAL ANALYSIS

Groundwater samples were submitted to OnSite Environmental, Inc. located in Redmond, Washington (Ecology-accredited laboratory), for the following chemical analysis:

- Total and dissolved arsenic and nickel by U.S. Environmental Protection Agency (EPA) Method 200.8.
- cPAHs by EPA Method 8270E/SIM.

The samples were placed in a cooler with ice upon collection and kept cool during transport to the testing laboratory. Standard chain-of-custody procedures were followed in transporting the samples to the testing laboratory. A copy of the sample chain-of-custody is attached to the laboratory data report presented in Attachment 2. Purge water and incidental waste generated by the groundwater sampling activities were managed as described below.

QUALITY CONTROL/QUALITY ASSURANCE

An EPA-defined Stage 2B validation (EPA Document 540-R-08-005; EPA 2009) was completed on the laboratory data presented in Attachment 2. Based on the results of the Stage 2B validation (Attachment 3), the data were determined to be acceptable for their intended use with no additional qualifiers. Validated groundwater data for the August 2025 monitoring event have been uploaded to Ecology's Environmental Information Management (EIM) database in accordance with Policy 840.



INVESTIGATION DERIVED WASTE

Purge and decontamination water generated by the groundwater monitoring activities was collected and placed in a labeled and secured 55-gallon drum on Site pending transport to a permitted disposal facility. Incidental waste generated during sampling activities included items such as gloves, plastic sheeting, sample tubing, paper towels and similar expended and discarded field supplies. These materials were considered *de minimis* and were transferred from the Site for landfill disposal via dumpster or trash receptacle at a GeoEngineers office.

DEVIATIONS FROM THE GROUNDWATER MONITORING PROGRAM

Deviations to the groundwater monitoring program were not observed during the August 2025 groundwater monitoring event.

Post-Construction Groundwater Conditions

GROUNDWATER FLOW AND DIRECTION

Measured groundwater elevations ranged between 4.64 and 6.01 feet mean lower low water (MLLW) during the August 2025 groundwater monitoring event. Based on the measured groundwater elevations during this and previous groundwater monitoring events (Attachment 4), the predominant groundwater flow direction is north toward the Guemes Channel.

Groundwater elevations measured during the August 2025 groundwater monitoring event and four previous monitoring events are summarized in Table 1.

ANALYTICAL RESULTS

Groundwater monitoring results for the August 2025 groundwater monitoring event and four previous monitoring events are presented in Table 2. Trend plots for arsenic, nickel and cPAHs in monitoring wells sampled as part of this monitoring event are shown in Figures 3 through 5, respectively. Historical groundwater monitoring results are presented in Attachment 4.

The following summarize the groundwater compliance monitoring results by monitoring well location:

■ MW-2B – Total and dissolved nickel exceeded the groundwater cleanup level of 8.2 micrograms per liter (μg/L) during the November 2023 monitoring event. In subsequent monitoring events, total nickel exceeded the groundwater cleanup level during the May 2024 monitoring event; however, dissolved nickel was either not detected or was detected at a concentration less than the groundwater cleanup level. The trend analysis for nickel at this location (Figure 4) shows that following paving activities completed by DCl¹, the nickel concentration in groundwater at MW-2B has remained relatively stable with detected concentrations slightly greater or less than the groundwater cleanup level. During the May and August 2024 monitoring events, total cPAHs calculated using the toxic equivalency quotient

¹ Between 2015 and 2016, DCI replaced a significant portion of their gravel working surface with asphalt pavement which prevents stormwater infiltration through the soil column. A comparison of the initial (2008 to 2013) groundwater monitoring results to the recent semi-annual groundwater monitoring results (2016 to 2017) show that the paved surfaces are limiting stormwater infiltration to soil and therefore, limiting leaching and subsequent migration of contaminants through the soil column to groundwater.



(TEQ) methodology relative to benzo(a)pyrene exceeded the groundwater cleanup level of $0.01 \,\mu\text{g/L}$. Prior to the May 2024 monitoring event, cPAH compounds were not detected in groundwater in this vicinity since June 2008 (see results for MW-2; Table 1 – Attachment 4). The May 2024 groundwater monitoring event coincided with a heavy rainfall event resulting in the ponding of stormwater in several areas of the DCI Lease Area which may have contributed to the observed total cPAH exceedance at this location. The August 2024 monitoring event identified a significant reduction in the total cPAH concentration at MW-2B. During the August 2025 groundwater monitoring event, cPAHs were not detected.

■ MW-8 – Total and dissolved arsenic continue to exceed the groundwater cleanup level based on the results of the August 2025 and previous groundwater monitoring events. The trend analysis for arsenic at this location (Figure 3) shows that the detected range of total and dissolved arsenic concentrations in groundwater are generally consistent within a range of 12 to 19 micrograms per liter (μg/L). As part of the remedial Investigation (RI; GeoEngineers 2022b), soil sampling and analysis was completed in the vicinity of MW-8 to identify potential sources of arsenic to the groundwater. The soil sampling and analysis completed in the vicinity of MW-8 did not identify potential source materials for arsenic adjacent to or upgradient of the well location. Additionally, arsenic concentrations in monitoring well MW-1 located upgradient of MW-8 were not detected greater than the groundwater cleanup level since paving by DCI was completed in 2016 (see Attachment 4). Although total and dissolved arsenic exceeded the groundwater cleanup level in monitoring well MW-8, the concentration of arsenic is stable.

Discussion

Post-construction compliance groundwater monitoring activities were completed on August 13, 2025, as required by Ecology in accordance with their opinion letter dated April 1, 2025. During this monitoring event, total and dissolved arsenic was detected at concentrations exceeding groundwater cleanup level in monitoring well MW-8. Soil sampling and analysis completed as part of the RI in the vicinity of this monitoring well has not identified a specific source to groundwater contamination. Since February 2016, groundwater monitoring results indicate relatively stable conditions at this location. Other contaminants evaluated including total and dissolved nickel and cPAHs evaluated at MW-8 were not detected during the August 2025 groundwater monitoring event. At MW-2B, total and dissolved arsenic and nickel, and cPAHs were either not detected or were detected at concentrations less than the groundwater cleanup level.

References

GeoEngineers, Inc. (GeoEngineers), 2022a. Compliance Monitoring and Quality Assurance Project Plan (CMP/QAPP), Dakota Creek Industries, Anacortes, Washington. Prepared for Washington State Department of Ecology on Behalf of Port of Anacortes. GEI File No. 5147-006-16. November 1, 2022.

GeoEngineers Inc. (GeoEngineers). 2022b. Remedial Investigation/Feasibility Study Report, Dakota Creek Industries, Anacortes, Washington, Ecology Agreed Order No. DE-07TCPHQ-5080. Prepared for the Washington State Department of Ecology on Behalf of Port of Anacortes. October 27.



- Washington State Department of Ecology (Ecology), 2022. Cleanup Action Plan, Dakota Creek Industries, Anacortes, Washington, Facility Site ID: 2670, Cleanup Site ID: 5147. Prepared by the Washington State Department of Ecology, Toxics Cleanup Program, Olympia, Washington. July.
- Washington State Department of Ecology (Ecology), 2025. Letter Regarding Post Construction Long-Term Groundwater Monitoring, Site Name: Anacortes Port of Dakota Creek, Site Address: 115 Q Ave, Anacortes, Wa 98221, Facility/Site ID: 2670, Cleanup Site ID: 5147. April 1.
- U.S. Environmental Protection Agency (EPA) 2009. Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use. Publication No. EPA-540-R-08-005. January.

Post-construction groundwater conditions will continue to be evaluated in accordance with the Ecology-Approved CMP/QAPP to document Site conditions as required. Please contact us with any questions or concerns.

Sincerely,

GeoEngineers, Inc.

Environmental Scientist

Robert S. Trahan, LG

Associate Environmental Scientist

MY:RST:leh:atk

Attachments

Tables

Table 1. Post-Construction Groundwater Elevation and Field Parameters

Table 2. Post-Construction Groundwater Chemical Analytical Data

Figures

Figure 1. Vicinity Map

Figure 2. Site Plan

Figure 3. Summary of Arsenic in Groundwater

Figure 4. Summary of Nickel in Groundwater

Figure 5. Summary of cPAHs in Groundwater

Attachment 1. Monitoring Well Completion Logs

Attachment 2. Laboratory Data Report

Attachment 3. Data Validation Report

Attachment 4. Historical Groundwater Chemical Analytical Data

One electronic copy submitted

Disclaimer: Any electronic form, facsimile or hard copy of the original document (email, text, table, and/or figure), if provided, and any attachments are only a copy of the original document. The original document is stored by GeoEngineers, Inc. and will serve as the official document of record.





Table 1

Post-Construction Groundwater Elevation and Field Parameters

Dakota Creek Industries Anacortes, Washington

Groundwater Monitoring Well ¹	Groundwater Monitoring Event	Date Sampled	Top of Casing Elevation (ft MLLW)	Depth to Groundwater (ft)	Groundwater Elevation (ft MLLW)	рН	Specific Conductance (µS/cm)	Temperature (°C)	Dissolved Oxygen (mg/L)	ORP (mV)	TDS (g/L)	Salinity (ppt)	Turbidity (NTU)
	Round 1	11/28/23		7.21	7.52	6.95	21,694	14.0	0.14	9.0	17.51	16.52	6.05
	Round 2	02/14/24		7.74	6.99	7.14	19,444	9.7	5.20	108.2	17.86	16.84	2.3
MW-2B	Round 3	05/21/24	14.73	9.22	5.51	7.16	9,990	13.1	3.38	89.9	8.30	7.42	27.2
	Round 4	08/19/24		9.55	5.18	7.00	23,710	19.0	0.49	6.3	15.40	14.42	0.02
	Round 5	08/13/25		8.95	5.78	6.88	32,280	18.5	0.06	-155.3	21.00	20.24	0.02
	Round 1	11/28/23		6.78	8.05	7.58	33,497	9.9	6.18	22.8	30.61	30.43	8.94
	Round 2	02/14/24		9.98	4.85	7.52	28,928	8.5	9.08	121.6	27.48	26.91	5.62
MW-3A	Round 3	05/21/24	14.83	10.45	4.38	7.59	27,400	10.6	6.15	112.2	24.53	23.89	24.7
	Round 4	08/19/24		10.37	4.46	7.48	44,190	16.2	3.98	183.6	28.72	28.58	0.27
	Round 5	08/13/25		10.11	4.72	2	2	_2	_2	_2	_2	_2	2
	Round 1	11/28/23		4.69	7.77	7.59	33,258	9.3	6.60	4.5	30.91	30.72	9.45
	Round 2	02/14/24		7.58	4.88	7.47	29,738	8.4	8.04	133.2	28.27	27.76	5.02
MW-6	Round 3	05/24/24	12.46	7.80	4.66	7.59	32,440	11.3	7.60	116.0	28.58	28.28	2.77
	Round 4	08/19/24		8.01	4.45	7.58	44,930	14.5	5.54	187.3	29.20	29.07	22.7
	Round 5	08/13/25		7.82	4.64	2	2	_2	_2	_2	2	_2	2
	Round 1	11/28/23		7.08	6.72	7.17	2,028	14.6	0.22	-112.2	1.64	1.37	8.04
	Round 2	02/14/24	1	6.72	7.08	6.87	2,580	13.0	0.13	-17.3	2.11	1.75	6.93
MW-8	Round 3	05/21/24	13.80	7.73	6.07	7.26	1,510	13.2	0.18	-127.1	1.27	1.00	36.8
	Round 4	08/19/24	1	7.42	6.38	6.88	1,964	15.7	0.14	-67.0	1.28	1.01	6.29
	Round 5	08/13/25	1	7.79	6.01	7.04	1,710	15.5	0.09	-110.4	1.12	0.87	4.55

Notes:

ft = feet

g/L = grams per liter

mg/L = milligrams per liter

MLLW = Mean Lower Low Water

mV = millivolt

NTU = Nephelometric Turbidity Unit

ORP = oxidation/reduction potential

ppt = parts per thousand
TDS = total dissolved solids

μS/cm = micro Siemens per centimeter

¹ Monitoring well locations shown in Figure 2.

 $^{^2}$ Monitoring well sampling and analysis discontinued in accordance with Ecology's opinion letter dated April 1, 2025.

[°]C = degree Celsius

Table 2

Post-Construction Groundwater Chemical Analytical Data

Dakota Creek Industries Anacortes, Washington

				Total N	/letals ²	Dissolve	d Metals ²			Carcinoge	nic Polycyclic Aror	natic Hydrocarbor	ıs ³ (cPAHs)		
Groundwater Monitoring Well ¹	Groundwater Monitoring Event	Date Sampled	Units	Arsenic	Nickel	Arsenic	Nickel	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(j,k)fluoranthene	Chrysene	Dibenzo(a,h)anthracene	Indeno(1,2,3-c,d)pyrene	Total cPAH TEQ ⁴ (ND=0.5RL)
	Round 1	11/28/23	μg/L	7.8 U	9.6	8.0 U	9.1	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.007 U
	Round 2	02/14/24	μg/L	6.9 U	6.9 U	6.3 U	6.3 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.007 U
MW-2B	Round 3	05/21/24	μg/L	5.6 U	13	5.0 U	5.2	0.013	0.015	0.024	0.0095 U	0.026	0.0095 U	0.016	0.022
	Round 4	08/19/24	μg/L	6.9	5.6 U	5.9	5.0 U	0.0094 U	0.01	0.017	0.0094 U	0.016	0.0094 U	0.0094 U	0.014
	Round 5 ⁵	08/13/25	μg/L	6.8	5.9	5.3	5.8	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.007 U
	Round 1	11/28/23	μg/L	7.8 U	7.8 U	8.0 U	8.0 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.007 U
	Round 2	02/14/24	μg/L	6.9 U	6.9 U	6.3 U	6.3 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.007 U
MW-3A	Round 3	05/21/24	μg/L	5.6 U	6.9	5.0 U	5.0 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.007 U
	Round 4	08/19/24	μg/L	5.6 U	5.6 U	5.0 U	5.0 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.007 U
	Round 5	08/13/25	μg/L	_6	_6	_6	_6	_6	_6	_6	_6	_6	_6	_6	_6
	Round 1 ⁵	11/28/23	μg/L	7.8 U	7.8 U	8.0 U	8.0 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.007 U
	Round 2 ⁵	02/14/24	μg/L	6.9 U	6.9 U	6.3 U	6.3 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.007 U
MW-6	Round 3 ⁵	05/24/24	μg/L	5.6 U	5.6 U	5.0 U	5.0 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.007 U
	Round 4 ⁵	08/19/24	μg/L	5.6 U	5.6 U	5.0 U	5.0 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.007 U
	Round 5	08/13/25	μg/L	_6	_6	_6	_6	_6	_6	_6	_6	_6	_6	_6	_6
	Round 1	11/28/23	μg/L	18	7.8 U	14	8.0 U	0.0095 U	0.0095 U	0.0095 U	0.0095 U	0.0095 U	0.0095 U	0.0095 U	0.007 U
	Round 2	02/14/24	μg/L	16	6.9 U	16	6.3 U	0.0095 U	0.0095 U	0.0095 U	0.0095 U	0.0095 U	0.0095 U	0.0095 U	0.007 U
MW-8	Round 3	05/21/24	μg/L	19	5.6 U	18	5.6 U	0.0096 U	0.0096 U	0.0096 U	0.0096 U	0.0096 U	0.0096 U	0.0096 U	0.007 U
	Round 4	08/19/24	μg/L	17	5.6 U	19	5.0 U	0.0095 U	0.0095 U	0.0095 U	0.0095 U	0.0095 U	0.0095 U	0.0095 U	0.007 U
	Round 5	08/13/25	μg/L	18	5.6 U	18	5.0 U	0.0096 U	0.0096 U	0.0096 U	0.0096 U	0.0096 U	0.0096 U	0.0096 U	0.007 U
Groundwater Cleanup Level				8.0	8.2	8.0	8.2				see Total cPAH TEC)			0.01

Notes:

ND = Non-Detect

RL = Reporting Limit

U = Laboratory qualifier indicating analyte not detected at level above listed reporting limit

Bold indicates analyte was detected.

Shading indicates analyte was detected at a concentration greater than the Site-Specific Groundwater Cleanup Level.

Chemical analyses performed by OnSite Environmental, Inc. of Redmond, Washington.



¹ Monitoring well locations shown in Figure 2.

²Total and dissolved metals analyzed by United States Environmental Protection Agency (EPA) Method 200.8.

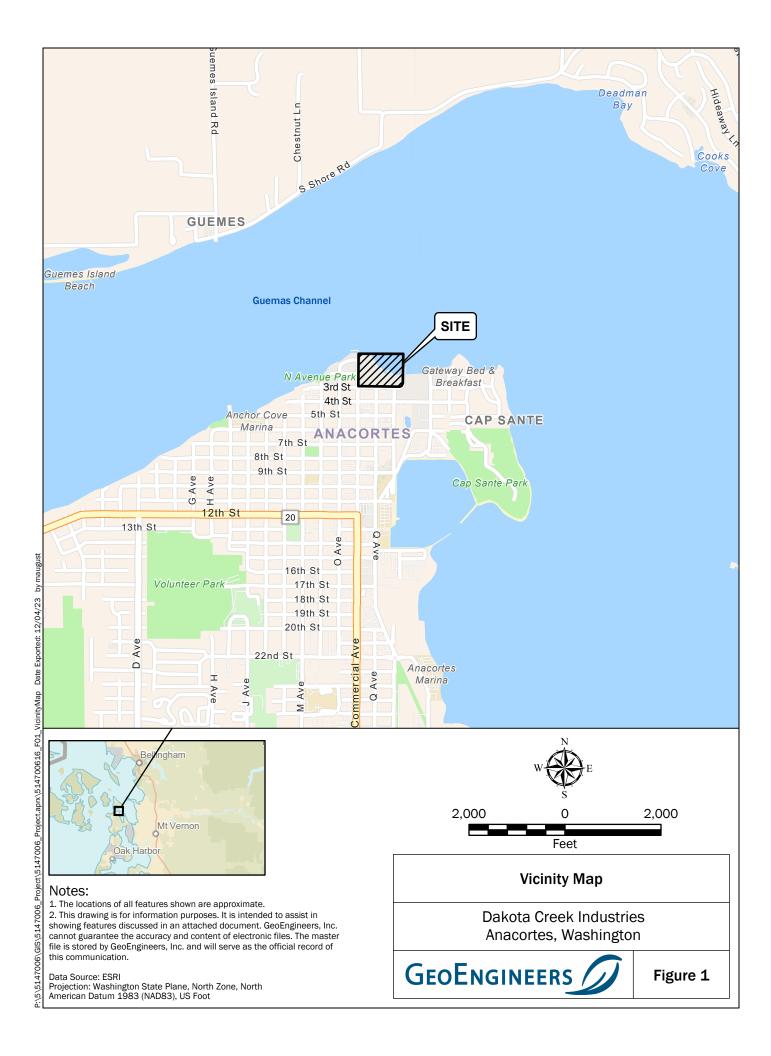
³ Carcinogenic polycyclic aromatic hydrocarbons (cPAHs) analyzed by EPA method 8270E/SIM.

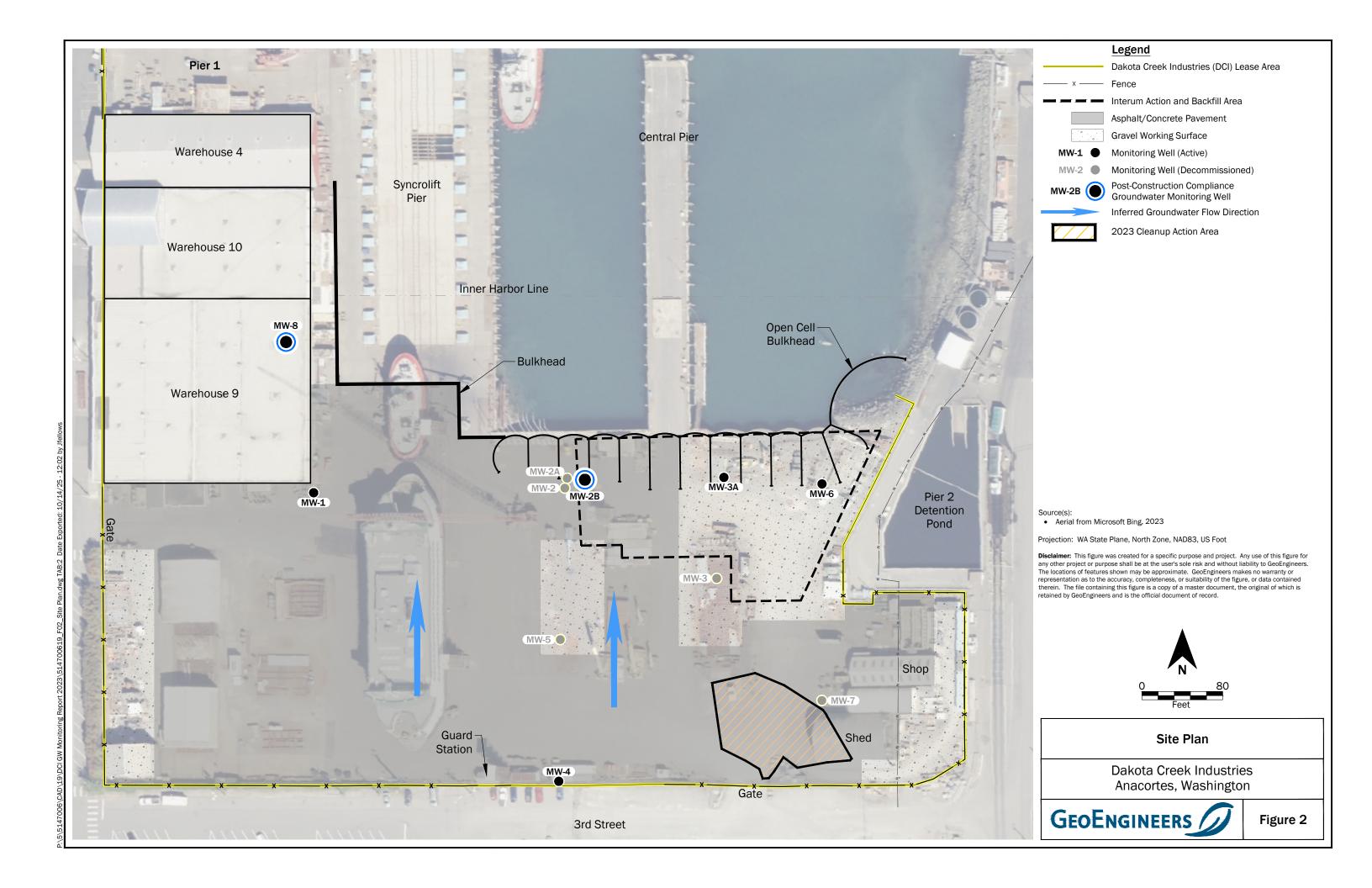
⁴ Total cPAHs calculated using toxic equivalency quotient (TEQ) methodology relative to benzo(a)pyrene. Non-detect cPAH compounds were assigned a value of one half of the reporting limit for these calculations.

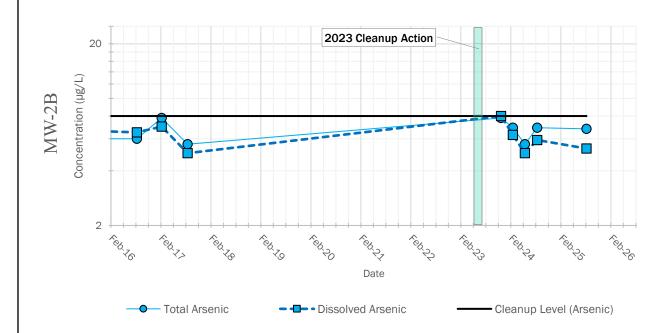
⁵ A field duplicate groundwater sample was obtained from this monitoring well. The higher of the two concentrations (parent and field duplicate) is reported for each analyte.

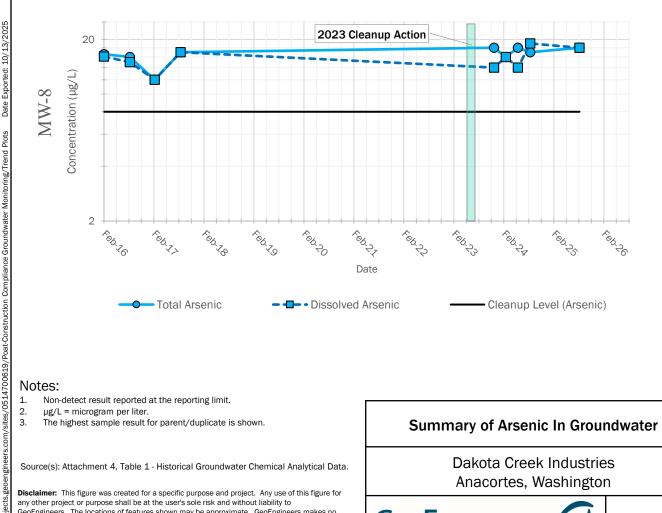
⁶ Monitoring well sampling and analysis discontinued following Round 4 in accordance with Ecology's opinion letter dated April 1, 2025 (Ecology 2025). μ g/L = microgram per liter

Figures









- Non-detect result reported at the reporting limit.
- μg/L = microgram per liter.
- The highest sample result for parent/duplicate is shown.

 $Source (s): Attachment \ 4, \ Table \ 1 - Historical \ Groundwater \ Chemical \ Analytical \ Data.$

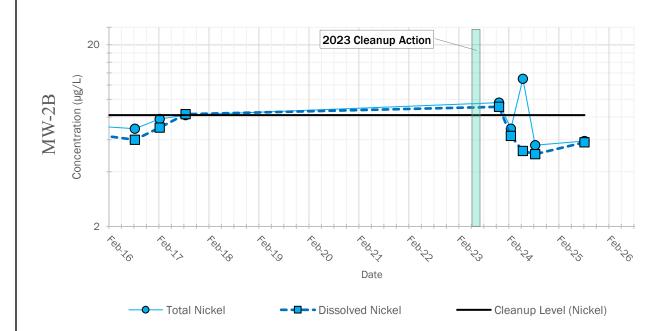
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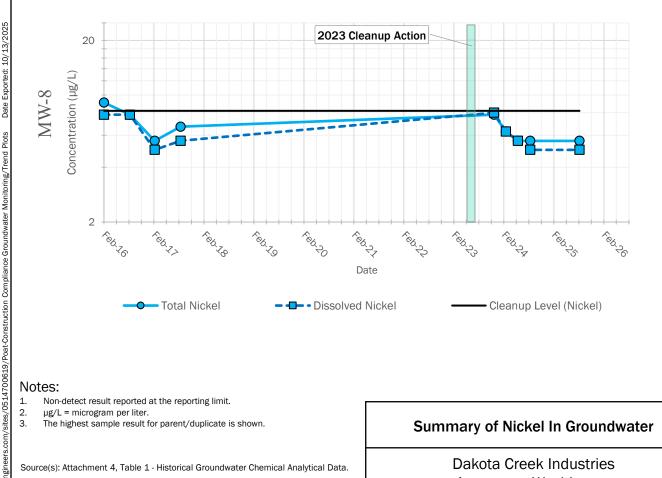
Summary of Arsenic In Groundwater

Dakota Creek Industries Anacortes, Washington



Figure 3





Notes:

- Non-detect result reported at the reporting limit.
- µg/L = microgram per liter.
- The highest sample result for parent/duplicate is shown.

 $Source(s) \hbox{: Attachment 4, Table 1 - Historical Groundwater Chemical Analytical Data}.$

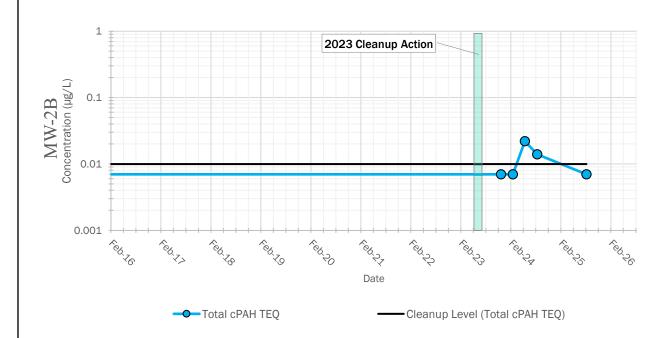
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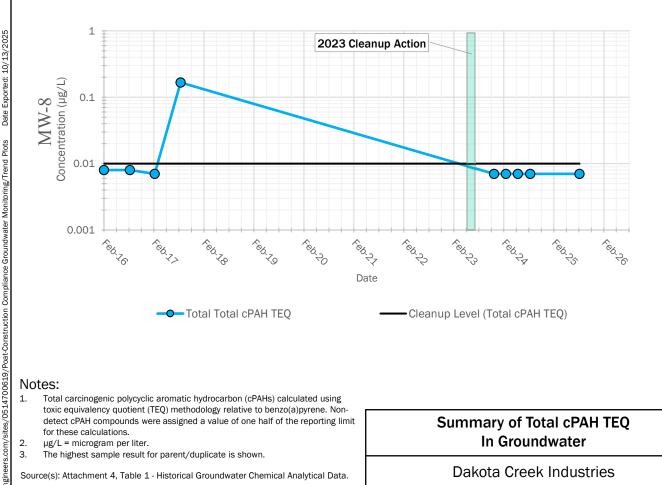
Summary of Nickel In Groundwater

Dakota Creek Industries Anacortes, Washington



Figure 4





Notes:

- Total carcinogenic polycyclic aromatic hydrocarbon (cPAHs) calculated using toxic equivalency quotient (TEQ) methodology relative to benzo(a)pyrene. Nondetect cPAH compounds were assigned a value of one half of the reporting limit for these calculations.
- μ g/L = microgram per liter.
- 3. The highest sample result for parent/duplicate is shown.

Source(s): Attachment 4, Table 1 - Historical Groundwater Chemical Analytical Data.

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Summary of Total cPAH TEQ In Groundwater

Dakota Creek Industries Anacortes, Washington



Figure 5



Attachment 1
Monitoring Well Completion Logs

SOIL CLASSIFICATION CHART

NA.	AJOR DIVISI	ONS	SYMI	BOLS	TYPICAL
IVI				LETTER	DESCRIPTIONS
	GRAVEL	CLEAN GRAVELS		GW	WELL-GRADED GRAVELS, GRAVEL - SAND MIXTURES
	AND GRAVELLY SOILS	(LITTLE OR NO FINES)		GP	POORLY-GRADED GRAVELS, GRAVEL - SAND MIXTURES
COARSE GRAINED SOILS	MORE THAN 50% OF COARSE FRACTION	GRAVELS WITH FINES		GM	SILTY GRAVELS, GRAVEL - SAND - SILT MIXTURES
53.25	RETAINED ON NO. 4 SIEVE	(APPRECIABLE AMOUNT OF FINES)		GC	CLAYEY GRAVELS, GRAVEL - SAND - CLAY MIXTURES
MORE THAN 50%	SAND	CLEAN SANDS		sw	WELL-GRADED SANDS, GRAVELLY SANDS
RETAINED ON NO. 200 SIEVE	AND SANDY SOILS	(LITTLE OR NO FINES)		SP	POORLY-GRADED SANDS, GRAVELLY SAND
	MORE THAN 50% OF COARSE FRACTION	SANDS WITH FINES		SM	SILTY SANDS, SAND - SILT MIXTURES
	PASSING NO. 4 SIEVE	(APPRECIABLE AMOUNT OF FINES)		sc	CLAYEY SANDS, SAND - CLAY MIXTURES
				ML	INORGANIC SILTS, ROCK FLOUR, CLAYEY SILTS WITH SLIGHT PLASTICITY
FINE GRAINED	SILTS AND CLAYS	LIQUID LIMIT LESS THAN 50		CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
SOILS				OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY
MORE THAN 50% PASSING NO. 200 SIEVE				МН	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS SILTY SOILS
	SILTS AND CLAYS	LIQUID LIMIT GREATER THAN 50		СН	INORGANIC CLAYS OF HIGH PLASTICITY
			H	ОН	ORGANIC CLAYS AND SILTS OF MEDIUM TO HIGH PLASTICITY
HIG	GHLY ORGANIC S	SOILS		PT	PEAT, HUMUS, SWAMP SOILS WITH HIGH ORGANIC CONTENTS

NOTE: Multiple symbols are used to indicate borderline or dual soil classifications

Sampler Symbol Descriptions

2.4-inch I.D. split barrel
Standard Penetration Test (SPT)
Shelby tube

Piston

Direct-Push

Bulk or grab

Continuous Coring

Blowcount is recorded for driven samplers as the number of blows required to advance sampler 12 inches (or distance noted). See exploration log for hammer weight and drop.

A "P" indicates sampler pushed using the weight of the drill rig.

A "WOH" indicates sampler pushed using the weight of the hammer.

ADDITIONAL MATERIAL SYMBOLS

SYMI	BOLS	TYPICAL					
GRAPH	LETTER	DESCRIPTIONS					
	AC	Asphalt Concrete					
	СС	Cement Concrete					
33	CR	Crushed Rock/ Quarry Spalls					
	TS	Topsoil/ Forest Duff/Sod					

Groundwater Contact



Measured groundwater level in exploration, well, or piezometer



Measured free product in well or piezometer

Graphic Log Contact

Distinct contact between soil strata



Approximate contact between soil

Material Description Contact

Contact between geologic units

Contact between soil of the same geologic unit

Laboratory / Field Tests

Percent fines %G Percent gravel ΑL Atterberg limits CA CP Chemical analysis Laboratory compaction test cs Consolidation test DS **Direct shear** HΑ Hydrometer analysis MC Moisture content MD Moisture content and dry density OC Organic content PM Permeability or hydraulic conductivity Plasticity index ы PP Pocket penetrometer **PPM** Parts per million SA Sieve analysis TX Triaxial compression Unconfined compression UC vs Vane shear **Sheen Classification**

NS No Visible Sheen
SS Slight Sheen
MS Moderate Sheen
HS Heavy Sheen
NT Not Tested

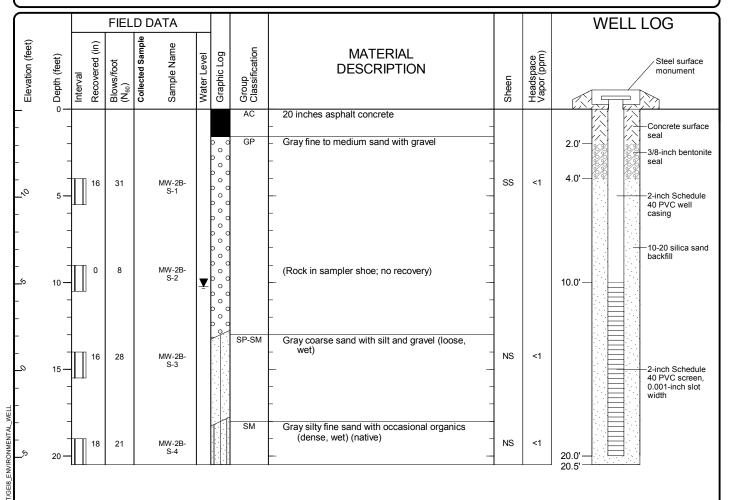
NOTE: The reader must refer to the discussion in the report text and the logs of explorations for a proper understanding of subsurface conditions. Descriptions on the logs apply only at the specific exploration locations and at the time the explorations were made; they are not warranted to be representative of subsurface conditions at other locations or times.

KEY TO EXPLORATION LOGS



FIGURE A-1

<u>Start</u> Drilled 8/11/2016	<u>End</u> 8/11/2016	Total Depth (ft)	20.5	Logged By Checked By	NRS RST	Driller Cascade Drilling, I	LP Drilling Method Hollow-Stem Auger		
Hammer Data	300 (lbs) / 30) (in) Drop		Drilling Equipment		Mobile B-90	DOE Well I.D.:	BJY 162 s installed on 8/11/2016 to	a depth of 20.5 (ft).
Surface Elevation (for Vertical Datum	,	5.08 LLW		Top of Casing Elevation (ft)		14.7	Groundwater	Depth to	2 2 2 4 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
Latitude Longitude		520904 2.61031		Horizontal Datum		Geographic NAD83	Date Measured 8/11/2016	<u>Water (ft)</u> 10.3	Elevation (ft) 4.5
Notes:									



Note: See Figure A-1 for explanation of symbols.

Log of Monitoring Well MW-2B

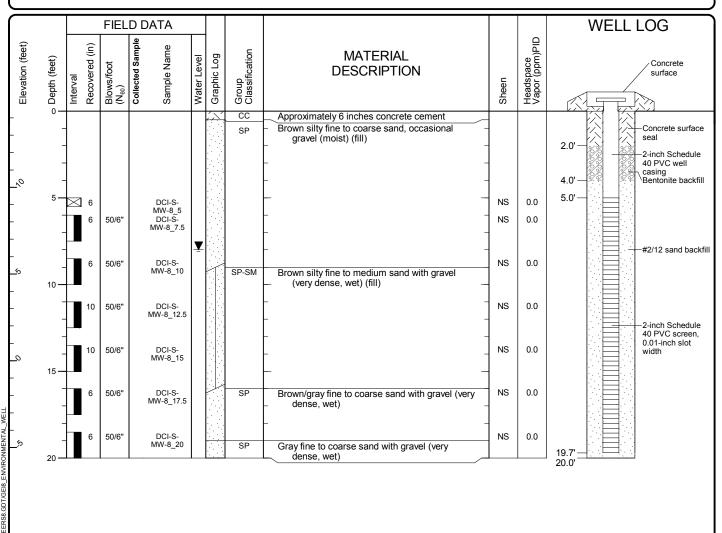


Project: Dakota Creek Industries
Project Location: Anacortes, Washington

Project Number: 5147-006-11

Figure A-2 Sheet 1 of 1

Start End Total 20 Drilled 11/4/2015 11/4/2015 Depth (ft) 20			, ,	Logged By CVD Checked By RST Driller Cascade Drilling, L			LP Drilling Method Hollow-Stem Auger		
Hammer Data	300 (lbs) / 30 (in)) Drop	Drilling Equipment	CM	E-850 Track Rig		BIX 153 s installed on 11/4/2015	to a depth of 20	
Surface Elevation (f Vertical Datum	Surface Elevation (ft) 14.39				13.8	(ft). Groundwater	Depth to		
Latitude Longitude	48.52025 -122.6091		Horizontal Datum		Geographic NAD83	Date Measured 11/4/2015	<u>Water (ft)</u> 8.0	Elevation (ft) 5.8	
Notes: Air kn	Notes: Air knife from 0 to 6 feet below ground surface								



Note: See Figure A-1 for explanation of symbols.

Log of Monitoring Well MW-8



Project: Dakota Creek Industries
Project Location: Anacortes, Washington

Project Number: 5147-006-11 Figure A-3 Sheet 1 of 1

Attachment 2 Laboratory Data Report



August 21, 2025

Robert Trahan GeoEngineers, Inc. 2101 4th Avenue, Suite 950 Seattle, WA 98121

Re: Analytical Data for Project 5147-006-19 Laboratory Reference No. 2508-156

Dear Robert:

Enclosed are the analytical results and associated quality control data for samples submitted on August 14, 2025.

The standard policy of OnSite Environmental, Inc. is to store your samples for 30 days from the date of receipt. If you require longer storage, please contact the laboratory.

We appreciate the opportunity to be of service to you on this project. If you have any questions concerning the data, or need additional information, please feel free to call me.

Sincerely,

David Baumeister Project Manager

Enclosures

Date of Report: August 21, 2025 Samples Submitted: August 14, 2025 Laboratory Reference: 2508-156

Project: 5147-006-19

Case Narrative

Samples were collected on August 13, 2025 and received by the laboratory on August 14, 2025. They were maintained at the laboratory at a temperature of 2°C to 6°C.

Please note that any and all soil sample results are reported on a dry-weight basis, unless otherwise noted below. However the soil results for the QA/QC samples are reported on a wet-weight basis.

General QA/QC issues associated with the analytical data enclosed in this laboratory report will be indicated with a reference to a comment or explanation on the Data Qualifier page. More complex and involved QA/QC issues will be discussed in detail below.

ANALYTICAL REPORT FOR SAMPLES

Client ID	Laboratory ID	Matrix	Date Sampled	Date Received	Notes
MW-2B-250813	08-156-01	Water	8-13-25	8-14-25	
MW-8-250813	08-156-02	Water	8-13-25	8-14-25	
DUP-1-250813	08-156-03	Water	8-13-25	8-14-25	

PAHs EPA 8270E/SIM

Matrix: Water Units: ug/L

-				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	MW-2B-250813					
Laboratory ID:	08-156-01					
Benzo[a]anthracene	ND	0.0093	EPA 8270E/SIM	8-15-25	8-15-25	
Chrysene	ND	0.0093	EPA 8270E/SIM	8-15-25	8-15-25	
Benzo[b]fluoranthene	ND	0.0093	EPA 8270E/SIM	8-15-25	8-15-25	
Benzo(j,k)fluoranthene	ND	0.0093	EPA 8270E/SIM	8-15-25	8-15-25	
Benzo[a]pyrene	ND	0.0093	EPA 8270E/SIM	8-15-25	8-15-25	
Indeno(1,2,3-c,d)pyrene	ND	0.0093	EPA 8270E/SIM	8-15-25	8-15-25	
Dibenz[a,h]anthracene	ND	0.0093	EPA 8270E/SIM	8-15-25	8-15-25	
Surrogate:	Percent Recovery	Control Limits				
2-Fluorobiphenyl	58	27-106				
Pyrene-d10	86	44-107				
Terphenyl-d14	90	46-114				
Client ID:	MW-8-250813					
Laboratory ID:	08-156-02					
Benzo[a]anthracene	ND	0.0096	EPA 8270E/SIM	8-15-25	8-15-25	
Chrysene	ND	0.0096	EPA 8270E/SIM	8-15-25	8-15-25	
Benzo[b]fluoranthene	ND	0.0096	EPA 8270E/SIM	8-15-25	8-15-25	
Benzo(j,k)fluoranthene	ND	0.0096	EPA 8270E/SIM	8-15-25	8-15-25	
Benzo[a]pyrene	ND	0.0096	EPA 8270E/SIM	8-15-25	8-15-25	
Indeno(1,2,3-c,d)pyrene	ND	0.0096	EPA 8270E/SIM	8-15-25	8-15-25	
Dibenz[a,h]anthracene	ND	0.0096	EPA 8270E/SIM	8-15-25	8-15-25	
Surrogate:	Percent Recovery	Control Limits				
2-Fluorobiphenyl	E 1	27-106				
	54	21-100				
Pyrene-d10	76	44-107				

PAHs EPA 8270E/SIM

Matrix: Water Units: ug/L

· ·				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	DUP-1-250813					_
Laboratory ID:	08-156-03					
Benzo[a]anthracene	ND	0.0094	EPA 8270E/SIM	8-15-25	8-15-25	
Chrysene	ND	0.0094	EPA 8270E/SIM	8-15-25	8-15-25	
Benzo[b]fluoranthene	ND	0.0094	EPA 8270E/SIM	8-15-25	8-15-25	
Benzo(j,k)fluoranthene	ND	0.0094	EPA 8270E/SIM	8-15-25	8-15-25	
Benzo[a]pyrene	ND	0.0094	EPA 8270E/SIM	8-15-25	8-15-25	
Indeno(1,2,3-c,d)pyrene	ND	0.0094	EPA 8270E/SIM	8-15-25	8-15-25	
Dibenz[a,h]anthracene	ND	0.0094	EPA 8270E/SIM	8-15-25	8-15-25	
Surrogate:	Percent Recovery	Control Limits				
2-Fluorobiphenyl	59	27-106				
Pyrene-d10	84	44-107				
Terphenyl-d14	89	46-114				

TOTAL METALS EPA 200.8

Matrix: Water Units: ug/L (ppb)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	MW-2B-250813					
Laboratory ID:	08-156-01					
Arsenic	6.8	5.6	EPA 200.8	8-19-25	8-19-25	
Nickel	5.9	5.6	EPA 200.8	8-19-25	8-19-25	
Client ID:	MW-8-250813					
Laboratory ID:	08-156-02					
Arsenic	18	5.6	EPA 200.8	8-19-25	8-19-25	
Nickel	ND	5.6	EPA 200.8	8-19-25	8-19-25	
Client ID:	DUP-1-250813					
Laboratory ID:	08-156-03					
Arsenic	6.7	5.6	EPA 200.8	8-19-25	8-19-25	
Nickel	5.6	5.6	EPA 200.8	8-19-25	8-19-25	

DISSOLVED METALS EPA 200.8

Matrix: Water Units: ug/L (ppb)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
Client ID:	MW-2B-250813					
Laboratory ID:	08-156-01					
Arsenic	5.3	5.0	EPA 200.8		8-19-25	
Nickel	5.8	5.0	EPA 200.8		8-19-25	
Client ID:	MW-8-250813					
Laboratory ID:	08-156-02					
Arsenic	18	5.0	EPA 200.8		8-19-25	
Nickel	ND	5.0	EPA 200.8		8-19-25	
Client ID:	DUP-1-250813					
Laboratory ID:	08-156-03					
Arsenic	5.1	5.0	EPA 200.8		8-19-25	
Nickel	5.6	5.0	EPA 200.8		8-19-25	

PAHs EPA 8270E/SIM **QUALITY CONTROL**

Matrix: Water Units: ug/L

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0815W1					
Benzo[a]anthracene	ND	0.010	EPA 8270E/SIM	8-15-25	8-15-25	
Chrysene	ND	0.010	EPA 8270E/SIM	8-15-25	8-15-25	
Benzo[b]fluoranthene	ND	0.010	EPA 8270E/SIM	8-15-25	8-15-25	
Benzo(j,k)fluoranthene	ND	0.010	EPA 8270E/SIM	8-15-25	8-15-25	
Benzo[a]pyrene	ND	0.010	EPA 8270E/SIM	8-15-25	8-15-25	
Indeno(1,2,3-c,d)pyrene	ND	0.010	EPA 8270E/SIM	8-15-25	8-15-25	
Dibenz[a,h]anthracene	ND	0.010	EPA 8270E/SIM	8-15-25	8-15-25	
Surrogate:	Percent Recovery	Control Limits				
2-Fluorobiphenyl	76	27-106				
Pyrene-d10	95	44-107				
Terphenyl-d14	104	46-114				

					Per	cent	Recovery		RPD	
Analyte	Res	sult	Spike	Level	Rec	overy	Limits	RPD	Limit	Flags
SPIKE BLANKS										
Laboratory ID:	SB08	15W1								
	SB	SBD	SB	SBD	SB	SBD				
Benzo[a]anthracene	0.512	0.518	0.500	0.500	102	104	55-123	1	23	
Chrysene	0.486	0.497	0.500	0.500	97	99	56-114	2	23	
Benzo[b]fluoranthene	0.518	0.521	0.500	0.500	104	104	55-122	1	34	
Benzo(j,k)fluoranthene	0.483	0.484	0.500	0.500	97	97	55-118	0	22	
Benzo[a]pyrene	0.506	0.513	0.500	0.500	101	103	56-115	1	23	
Indeno(1,2,3-c,d)pyrene	0.493	0.506	0.500	0.500	99	101	54-121	3	28	
Dibenz[a,h]anthracene	0.496	0.505	0.500	0.500	99	101	56-118	2	23	
Surrogate:										
2-Fluorobiphenyl					70	70	27-106			
Pyrene-d10					93	95	44-107			
Terphenyl-d14					105	107	46-114			

TOTAL METALS EPA 200.8 QUALITY CONTROL

Matrix: Water Units: ug/L (ppb)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0819WM1					
Arsenic	ND	3.3	EPA 200.8	8-19-25	8-19-25	
Nickel	ND	5.6	EPA 200.8	8-19-25	8-19-25	

Amaluda	Po	14	Smiles	Lovel	Source		rcent	Recovery	DDD	RPD	Elege
Analyte	Res	sult	Эріке	Level	Result	Rec	covery	Limits	RPD	Limit	Flags
DUPLICATE											
Laboratory ID:	08-18	33-10									
	ORIG	DUP									
Arsenic	ND	ND	NA	NA			NA	NA	NA	20	
Nickel	ND	ND	NA	NA			NA	NA	NA	20	
MATRIX SPIKES											
Laboratory ID:	08-18	33-10									
	MS	MSD	MS	MSD		MS	MSD	_			
Arsenic	105	107	111	111	ND	95	97	75-125	2	20	
Nickel	98.3	100	111	111	ND	89	90	75-125	2	20	

TOTAL METALS EPA 200.8 CONTINUING CALIBRATION SUMMARY

Analyte	Lab ID	True Value (ppb)	Calc. Value	Percent Difference	Control Limits
		,			
Arsenic	ICV081925Y	50.0	47.0	6.0	+/- 10%
Nickel	ICV081925Y	50.0	47.1	5.8	+/- 10%
Arsenic	CCV1081925Y	40.0	39.7	0.75	+/- 10%
Nickel	CCV1081925Y	40.0	38.0	5.0	+/- 10%
Arsenic	CCV1081925Y	20.0	20.2	-1.0	+/- 10%
Nickel	CCV10819251	20.0	19.3	3.5	+/- 10%
Nickei	CCV 10619251	20.0	19.5	3.5	- 7- 1070
Arsenic	CCV2081925Y	40.0	40.1	-0.25	+/- 10%
Nickel	CCV2081925Y	40.0	38.1	4.8	+/- 10%
					, , , , , , ,
Arsenic	CCV2081925Y	20.0	20.6	-3.0	+/- 10%
Nickel	CCV2081925Y	20.0	19.6	2.0	+/- 10%
Arsenic	CCV3081925Y	40.0	40.2	-0.50	+/- 10%
Nickel	CCV3081925Y	40.0	37.7	5.7	+/- 10%
Arsenic	CCV3081925Y	20.0	20.2	-1.0	+/- 10%
Nickel	CCV3081925Y	20.0	18.9	5.5	+/- 10%
	00\(\doldon	40.0	40.4	0.05	. / . 400/
Arsenic	CCV4081925Y	40.0	40.1	-0.25	+/- 10%
Nickel	CCV4081925Y	40.0	37.6	6.0	+/- 10%
Arsenic	CCV4081925Y	20.0	20.4	-2.0	+/- 10%
Nickel	CCV4081925Y	20.0	18.9	5.5	+/- 10%
HOROI	00110010201	20.0	10.0	0.0	17 1070
Arsenic	CCV5081925Y	40.0	41.7	-4.3	+/- 10%
Nickel	CCV5081925Y	40.0	36.5	8.8	+/- 10%
Arsenic	CCV5081925Y	20.0	20.7	-3.5	+/- 10%
Nickel	CCV5081925Y	20.0	18.3	8.5	+/- 10%

DISSOLVED METALS EPA 200.8 QUALITY CONTROL

Matrix: Water Units: ug/L (ppb)

				Date	Date	
Analyte	Result	PQL	Method	Prepared	Analyzed	Flags
METHOD BLANK						
Laboratory ID:	MB0819D1					
Arsenic	ND	3.0	EPA 200.8		8-19-25	
Nickel	ND	5.0	EPA 200.8		8-19-25	

A 1 4 .	-		0.11		Source	_	rcent	Recovery		RPD	
Analyte	Res	sult	Spike	Level	Result	Rec	overy	Limits	RPD	Limit	Flags
DUPLICATE											
Laboratory ID:	08-13	36-01									
	ORIG	DUP									
Arsenic	ND	ND	NA	NA		ı	NA	NA	NA	20	
Nickel	ND	ND	NA	NA		l	NA	NA	NA	20	
MATRIX SPIKES											
Laboratory ID:	08-13	36-01									
	MS	MSD	MS	MSD		MS	MSD				
Arsenic	87.9	80.3	80.0	80.0	ND	110	100	75-125	9	20	
Nickel	74.3	68.2	80.0	80.0	ND	93	85	75-125	9	20	

DISSOLVED METALS EPA 200.8 CONTINUING CALIBRATION SUMMARY

Analyte	Lab ID	True Value (ppb)	Calc. Value	Percent Difference	Control Limits
		,			
Arsenic	ICV081925Y	50.0	47.0	6.0	+/- 10%
Nickel	ICV081925Y	50.0	47.1	5.8	+/- 10%
Arsenic	CCV1081925Y	40.0	39.7	0.75	+/- 10%
Nickel	CCV1081925Y	40.0	38.0	5.0	+/- 10%
Arsenic	CCV1081925Y	20.0	20.2	-1.0	+/- 10%
Nickel	CCV1081925Y	20.0	19.3	3.5	+/- 10%
Araonia	CCV2091025V	40.0	40.4	0.25	./ 100/
Arsenic	CCV2081925Y	40.0	40.1	-0.25	+/- 10%
Nickel	CCV2081925Y	40.0	38.1	4.8	+/- 10%
Arsenic	CCV2081925Y	20.0	20.6	-3.0	+/- 10%
Nickel	CCV2081925Y	20.0	19.6	2.0	+/- 10%
HOROI	00120010201	20.0	10.0	2.0	17 1070
Arsenic	CCV3081925Y	40.0	40.2	-0.50	+/- 10%
Nickel	CCV3081925Y	40.0	37.7	5.7	+/- 10%
Arsenic	CCV3081925Y	20.0	20.2	-1.0	+/- 10%
Nickel	CCV3081925Y	20.0	18.9	5.5	+/- 10%
Arsenic	CCV4081925Y	40.0	40.1	-0.25	+/- 10%
Nickel	CCV4081925Y	40.0	37.6	6.0	+/- 10%
Arsenic	CCV4081925Y	20.0	20.4	-2.0	+/- 10%
Nickel	CCV4081925Y	20.0	18.9	5.5	+/- 10%
	0.01/=00/00=1/				
Arsenic	CCV5081925Y	40.0	41.7	-4.3	+/- 10%
Nickel	CCV5081925Y	40.0	36.5	8.8	+/- 10%
Arsenic	CCV5081925Y	20.0	20.7	-3.5	+/- 10%
Nickel	CCV50819251 CCV5081925Y	20.0	18.3	-3.5 8.5	+/- 10%
MICKEL	00 0 000 1820 1	20.0	10.5	0.0	1/- 10/0



Data Qualifiers and Abbreviations

- A Due to a high sample concentration, the amount spiked is insufficient for meaningful MS/MSD recovery data.
- B The analyte indicated was also found in the blank sample.
- C The duplicate RPD is outside control limits due to high result variability when analyte concentrations are within five times the quantitation limit.
- E The value reported exceeds the quantitation range and is an estimate.
- F Surrogate recovery data is not available due to the high concentration of coeluting target compounds.
- H The analyte indicated is a common laboratory solvent and may have been introduced during sample preparation, and be impacting the sample result.
- I Compound recovery is outside of the control limits.
- J The value reported was below the practical quantitation limit. The value is an estimate.
- K Sample duplicate RPD is outside control limits due to sample inhomogeneity. The sample was re-extracted and re-analyzed with similar results.
- L The RPD is outside of the control limits.
- M Hydrocarbons in the gasoline range are impacting the diesel range result.
- M1 Hydrocarbons in the gasoline range (toluene-naphthalene) are present in the sample.
- N Hydrocarbons in the lube oil range are impacting the diesel range result.
- N1 Hydrocarbons in diesel range are impacting lube oil range results.
- O Hydrocarbons indicative of heavier fuels are present in the sample and are impacting the gasoline result.
- P The RPD of the detected concentrations between the two columns is greater than 40.
- Q Surrogate recovery is outside of the control limits.
- S Surrogate recovery data is not available due to the necessary dilution of the sample.
- T The sample chromatogram is not similar to a typical
- U The analyte was analyzed for, but was not detected above the reported sample quantitation limit.
- U1 The practical quantitation limit is elevated due to interferences present in the sample.
- V Matrix Spike/Matrix Spike Duplicate recoveries are outside control limits due to matrix effects.
- W Matrix Spike/Matrix Spike Duplicate RPD are outside control limits due to matrix effects.
- X Sample extract treated with a mercury cleanup procedure.
- X1 Sample extract treated with a sulfuric acid/silica gel cleanup procedure.
- X2 Sample extract treated with a silica gel cleanup procedure.
- Y The calibration verification for this analyte exceeded the 20% drift specified in methods 8260 & 8270, and therefore the reported result should be considered an estimate. The overall performance of the calibration verification standard met the acceptance criteria of the method.
- Y1 Negative effects of the matrix from this sample on the instrument caused values for this analyte in the bracketing continuing calibration verification standard (CCVs) to be outside of 20% acceptance criteria. Because of this, quantitation limits and sample concentrations should be considered estimates.

Z -

ND - Not Detected at PQL

PQL - Practical Quantitation Limit

RPD - Relative Percent Difference



Sample Identification

MW-28-250813

8/13/25

1405

H20

工

% Moisture

P

MW- 8- 250813

W

DUP-1-

250313

0600

1

X

X X ×

X

Reviewed/Date

Reviewed/Date

Chromatograms with final report

Electronic Data Deliverables (EDDs) 🗌

Data Package: Standard

 \equiv

Level IV

Relinquished

Relinquished

Relinquished

Signature

Gesting invers

Date

Comments/Special Instructions

8/14/25

0858

Received

Lab ID Sample Identification	Sampled by: Michael Ysagvire	Project Manager: Rober+ Trahan	Dakota Creek Industries	5147-006-19	Project Number:	GeoEnginerars	Company:	Analytical Laboratory Testing Services 14648 NE 95th Street • Redmond, WA 98052 Phone: (425) 883-3881 • www.onsite-env.com	
Date Time Sampled Sampled Matrix	(other)		Standard (7 Days)	2 Days 3 Days	Same Day		(Check One)	Turnaround Request (in working days)	
N D	er of Co	ontaine	rs						
NWTP	H-Gx/B	TEX (80	21 8	260])			Laboratory Nu	
NWTP	H-Gx							ora	
NWTP	H-Dx (S	G Clea	n-up 🔲)				Clos	
Volatile	es 8260	·						N	
Haloge	enated \	/olatiles	8260						
EDB E	PA 801	1 (Water	s Only)					er	
	olatiles ow-leve	8270/SI I PAHs)	M					0	
		M (low-l	evel) C	PAH	5			00	
PCBs i	8082								
Organochlorine Pesticides 8081							On		
Organophosphorus Pesticides 8270/SIM							S		
Chlorinated Acid Herbicides 8151									
Total RCRA Metals									
Total MTCA Metals TCLP Metals									
			1664						
		grease) ·			0 4	No. 6	100		
		nethal			W 1	JICV			
		fa	1-1						
								امما	

Sample/Cooler Receipt and Acceptance Checklist

•				
Client:GES				
Client Project Name/Number: 5147-006-19		Initiated by	rNS	
OnSite Project Number: 08-156		Date Initiat	ed: 8114125	
1.0 Cooler Verification				
1.1 Were there custody seals on the outside of the cooler?	Yes	(No)	N/A 1 2 3 4	
1.2 Were the custody seals intact?	Yes	No	(N/A) 1 2 3 4	
1.3 Were the custody seals signed and dated by last custodian?	Yes	No	(N/A) 1 2 3 4	
1.4 Were the samples delivered on ice or blue ice?	(Yes)	No	N/A 1 2 3 4	
1.5 Were samples received between 0-6 degrees Celsius?	Yes	No	N/A Temperature:	Ч
1.6 Have shipping bills (if any) been attached to the back of this form?	Yes_	(N/A)		
1.7 How were the samples delivered?	Client	Courier	UPS/FedEx OSE Pickup	Other
2.0 Chain of Custody Verification				
2.1 Was a Chain of Custody submitted with the samples?	(Ves)	No	1 2 3 4	
2.2 Was the COC legible and written in permanent ink?	(Yes)	No	1 2 3 4	
2.3 Have samples been relinquished and accepted by each custodian?		No	1 2 3 4	
2.4 Did the sample labels (ID, date, time, preservative) agree with COC?	(es	No	1 2 3 4	
2.5 Were all of the samples listed on the COC submitted?	(Yes)	No	1 2 3 4	
2.6 Were any of the samples submitted omitted from the COC?	Yes	(No)	1 2 3 4	
3.0 Sample Verification				
3.1 Were any sample containers broken or compromised?	Yes	(No)	1 2 3 4	
3.2 Were any sample labels missing or illegible?	Yes	No	1 2 3 4	
3.3 Have the correct containers been used for each analysis requested?	Yes	No	1 2 3 4	
3.4 Have the samples been correctly preserved?	Yes	No	N/A 1 2 3 4	
3.5 Are volatiles samples free from headspace and bubbles greater than 6mm?	Yes	No	1 2 3 4	
3.6 Is there sufficient sample submitted to perform requested analyses?	Yes	No	1 2 3 4	
3.7 Have any holding times already expired or will expire in 24 hours?	Yes	No	1 2 3 4	
3.8 Was method 5035A used?	Yes	No	N/A 1 2 3 4	
3.9 If 5035A was used, which sampling option was used (#1, 2, or 3).	#		N/A 1 2 3 4	
Explain any discrepancies:				
		AND DESCRIPTION OF THE PARTY OF		

^{1 -} Discuss issue in Case Narrative

^{3 -} Client contacted to discuss problem

^{2 -} Process Sample As-is

^{4 -} Sample cannot be analyzed or client does not wish to proceed

RAW DATA

- PAHs EPA 8270E/SIM
- Total Metals EPA 200.8
- Dissolved Metals by EPA 200.8

PAHs EPA 8270E/SIM Data

Data File : C0815025.D

Acq On : 15 Aug 2025 9:23 pm

Operator : PB Sample : 08-156-01

ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 15 21:38:05 2025

Quant Method: C:\MSDCHEM\1\METHODS\CS250801.M

Quant Title : PAH'S BY SIMS

QLast Update : Fri Aug 01 12:51:14 2025

Compound	R.T.	QIon	Response	Conc Units Dev(Min)	
Internal Standards 1) Naphthalene-d8 5) Acenaphthene-d10 9) Phenanthrene-d10 16) Chrysene-d12 20) Perylene-d12	4.590 5.823 6.862 9.210 10.759	136 164 188 240 264	211879 115890 209354 179411 178109	2000.00 ppb -0.06 2000.00 ppb -0.06 2000.00 ppb -0.09 2000.00 ppb -0.09 2000.00 ppb -0.09	7
System Monitoring Compounds 6) 2-Fluorobiphenyl Spiked Amount 1000.000 10) Pyrene-d10 Spiked Amount 1000.000 17) Terphenyl-d14 Spiked Amount 1000.000	5.354 Range 25 7.999 Range 40 8.163 Range 39	- 89 212 - 110 244	Recove: 92092 Recove: 77141	580.22 ppb -0.06 ry = 58.02% 859.35 ppb -0.08 ry = 85.94% 895.13 ppb -0.08 ry = 89.51%	
Target Compounds				Qvalue	

 $^{(\#) = \}text{qualifier out of range (m)} = \text{manual integration (+)} = \text{signals summed}$

Data File : C0815025.D

Acq On : 15 Aug 2025 9:23 pm

Operator : PB

Sample : 08-156-01

Misc :

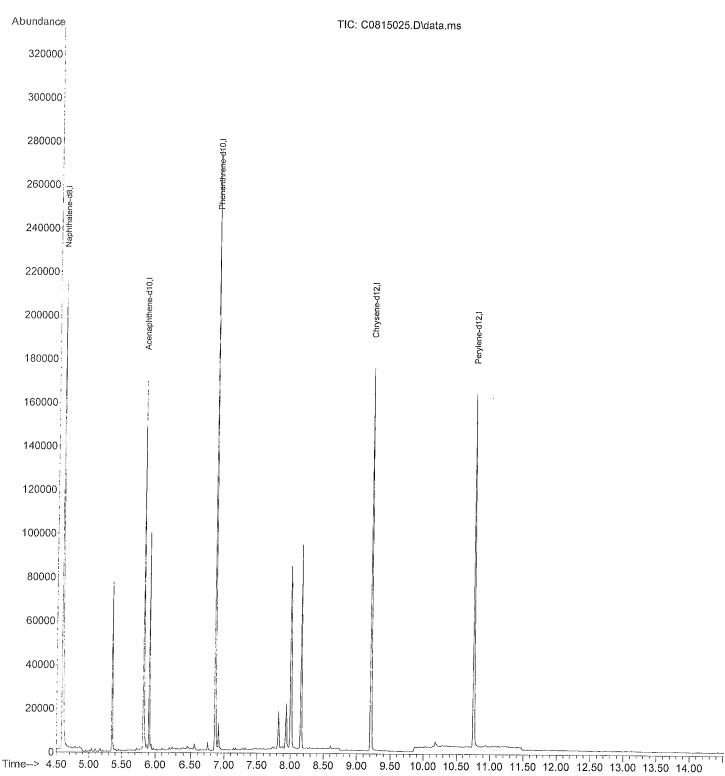
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 15 21:38:05 2025

Quant Method : C:\MSDCHEM\1\METHODS\CS250801.M

Quant Title : PAH'S BY SIMS

QLast Update : Fri Aug 01 12:51:14 2025



Data File : C0815026.D

Acq On : 15 Aug 2025 9:45 pm

Operator : PB

Sample : 08-156-02

Misc

ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 15 22:00:33 2025

Quant Method : C:\MSDCHEM\1\METHODS\CS250801.M

Quant Title : PAH'S BY SIMS

QLast Update : Fri Aug 01 12:51:14 2025

Compound	R.T.	QIon	Response	Conc U	nits !	Dev(Min)
Internal Standards 1) Naphthalene-d8 5) Acenaphthene-d10 9) Phenanthrene-d10 16) Chrysene-d12 20) Perylene-d12	4.583 5.823 6.862 9.215 10.765	164 188 240	223298 120922 217174 180456 179584	2000.0 2000.0 2000.0 2000.0 2000.0	dqq 0 dqq 0 dqq 0	-0.06 -0.07 -0.08
System Monitoring Compounds 6) 2-Fluorobiphenyl Spiked Amount 1000.000 10) Pyrene-d10 Spiked Amount 1000.000 17) Terphenyl-d14 Spiked Amount 1000.000	5.352 Range 25 7.999 Range 40 8.163 Range 39	- 89 212 - 110 244	Recove 84915 Recove	ry = 763.85 ry = 787.64	54.3 ppb 76.3 ppb	-0.08 39% -0.08
Target Compounds 18) Benzo[a]anthracene	9.210	228	702	Below	Cal	Qvalue # 50

^(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : C0815026.D

Acq On : 15 Aug 2025 9:45 pm

Operator : PB

Sample : 08-156-02

Misc :

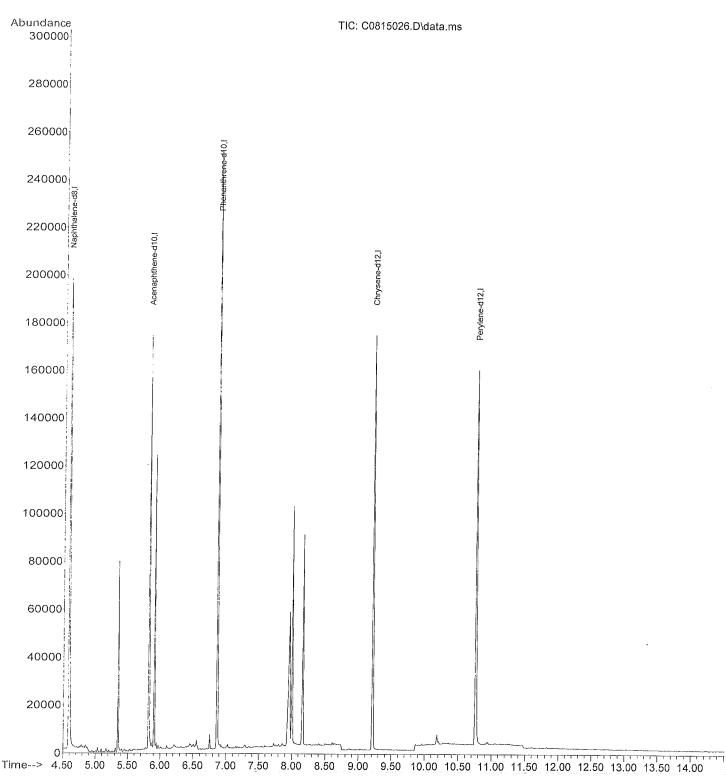
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 15 22:00:33 2025

Quant Method : C:\MSDCHEM\1\METHODS\CS250801.M

Quant Title : PAH'S BY SIMS

QLast Update : Fri Aug 01 12:51:14 2025



Data File : C0815027.D

Acq On : 15 Aug 2025 10:08 pm

Operator : PB Sample : 08-156-03

Misc

ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 15 22:23:06 2025

Quant Method : C:\MSDCHEM\1\METHODS\CS250801.M

Quant Title : PAH'S BY SIMS

QLast Update : Fri Aug 01 12:51:14 2025

Compound	R.T. QIO	n Response	Conc Units De	v(Min)
Internal Standards 1) Naphthalene-d8 5) Acenaphthene-d10 9) Phenanthrene-d10 16) Chrysene-d12 20) Perylene-d12	4.590 136 5.822 164 6.861 188 9.211 240 10.765 264	119154 3 214971 0 182670	2000.00 ppb 2000.00 ppb 2000.00 ppb 2000.00 ppb 2000.00 ppb	-0.06 -0.06 -0.07 -0.09
System Monitoring Compounds 6) 2-Fluorobiphenyl Spiked Amount 1000.000 10) Pyrene-d10 Spiked Amount 1000.000 17) Terphenyl-d14 Spiked Amount 1000.000	5.353 172 Range 25 - 8 8.001 212 Range 40 - 11 8.155 244 Range 39 - 9	39 Recove 2 92699 LO Recove 4 78274	586.82 ppb ry = 58.68 842.41 ppb ry = 84.24 892.06 ppb ry = 89.21	% -0.08 % -0.08
Target Compounds			Q·	value

^(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : C0815027.D

Acq On : 15 Aug 2025 10:08 pm

Operator : PB

Sample : 08-156-03

Misc

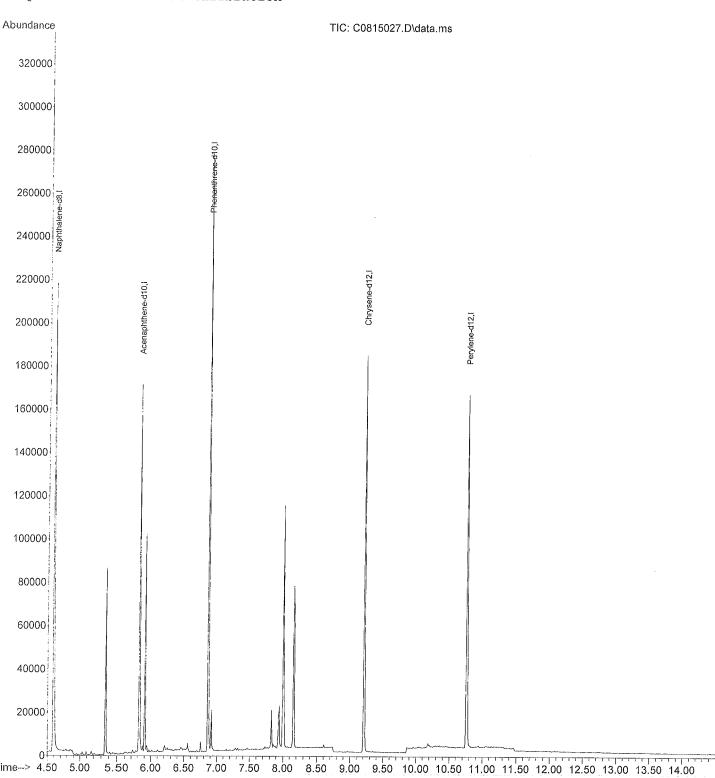
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Aug 15 22:23:06 2025

Quant Method : C:\MSDCHEM\1\METHODS\CS250801.M

Quant Title : PAH'S BY SIMS

QLast Update : Fri Aug 01 12:51:14 2025



Data File : C0815010.D

Acq On : 15 Aug 2025 Operator : PB

Sample : MB0815W1 REX

Misc

ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 15 15:57:09 2025
Quant Method: C:\MSDCHEM\1\METHODS\CS250801.M

Quant Title : PAH'S BY SIMS QLast Update : Fri Aug 01 12:51:14 2025 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units D	ev(Min)
Internal Standards 1) Naphthalene-d8 5) Acenaphthene-d10 9) Phenanthrene-d10 16) Chrysene-d12 20) Perylene-d12	4.583 5.823 6.885 9.228	136 164 188 240	219291 116958 211160 179524	2000.00 ppb 2000.00 ppb 2000.00 ppb 2000.00 ppb	-0.07 -0.06 -0.05 -0.07
System Monitoring Compounds	10.770	264	178964	2000.00 ppb	-0.08
6) 2-Fluorobiphenyl Spiked Amount 1000.000	5.353 Range 25			760.29 ppb ry = 76.03	
10) Pyrene-d10 Spiked Amount 1000.000	8.018 Range 40		102345	946.86 ppb ry = 94.69	-0.06
17) Terphenyl-d14 Spiked Amount 1000.000		244	89738	1041.34 ppb ry = 104.13	-0.06
Target Compounds 18) Benzo[a]anthracene	9.228	228	822	Below Cal	Qvalue 87

^(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : C0815010.D

Acq On : 15 Aug 2025 3:42 pm

Operator : PB

Sample : MB0815W1 REX

Misc

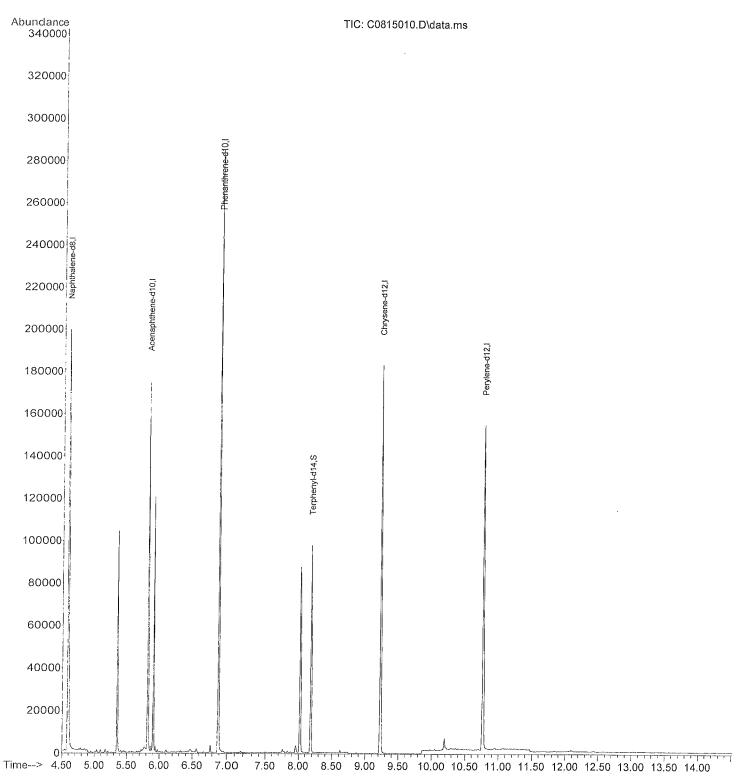
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 15 15:57:09 2025

Quant Method : C:\MSDCHEM\1\METHODS\CS250801.M

Quant Title : PAH'S BY SIMS

QLast Update : Fri Aug 01 12:51:14 2025



Data File : C0815003.D

Acq On : 15 Aug 2025 10:56 am Operator : PB

Sample : SB0815W1

Misc

ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 15 11:10:51 2025

Quant Method: C:\MSDCHEM\1\METHODS\CS250801.M

Quant Title : PAH'S BY SIMS QLast Update : Fri Aug 01 12:51:14 2025

Compound	R.T.	QIon	Response	Conc Units D	ev(Min)
Internal Standards 1) Naphthalene-d8 5) Acenaphthene-d10 9) Phenanthrene-d10 16) Chrysene-d12 20) Perylene-d12	4.589 5.825 6.862 9.211 10.760	136 164 188 240 264	224531 119876 216524 184443 187517	2000.00 ppb 2000.00 ppb 2000.00 ppb 2000.00 ppb 2000.00 ppb	-0.06 -0.07
System Monitoring Compounds 6) 2-Fluorobiphenyl Spiked Amount 1000.000 10) Pyrene-d10 Spiked Amount 1000.000 17) Terphenyl-d14 Spiked Amount 1000.000	8.000 Range 40 8.154	172 - 89 212 - 110 244 - 92	Recove 103030 Recove	929.58 ppb ery = 92.9 1045.87 ppb	4% -0.08 6% -0.09
Target Compounds 2) Naphthalene 3) 2-Methylnaphthalene 4) 1-Methylnaphthalene 7) Acenaphthylene 8) Acenaphthene 11) Fluorene 12) Phenanthrene 13) Anthracene 14) Fluoranthene 15) Pyrene 18) Benzo[a]anthracene 19) Chrysene 21) Benzo[b]fluoranthene 22) Benzo[j,k)fluoranthene 23) Benzo[a]pyrene 24) Indeno(1,2,3-c,d)pyrene 25) Dibenz[a,h]anthracene 26) Benzo[g,h,i]perylene	4.596 5.091 5.161 5.717 5.840 6.202 6.880 6.915 7.808 8.010 9.194 9.234 10.354 10.354 10.383 10.696 12.046 12.092 12.432	128 142 142 152 153 166 178 178 202 202 228 252 252 252 276 278 276	45265 26510 28642 54300 30559 38574 61107 62452 77086 77733 78075 72373 81124 72741 71582 71436 69854 66733	350.22 ppb 287.26 ppb 333.73 ppb 412.23 ppb 360.57 ppb 372.68 ppb 411.74 ppb 432.22 ppb 473.61 ppb 467.49 ppb 512.33 ppb 486.00 ppb 518.18 ppb 482.81 ppb 482.81 ppb 492.80 ppb 495.99 ppb 484.10 ppb	Qvalue 96 100 99 100 100 96 96 93 96 95 96 100 95 96 91

^{(#) =} qualifier out of range (m) = manual integration (+) = signals summed

Data File : C0815003.D

Acq On : 15 Aug 2025 10:56 am

Operator : PB

Sample : SB0815W1

Misc

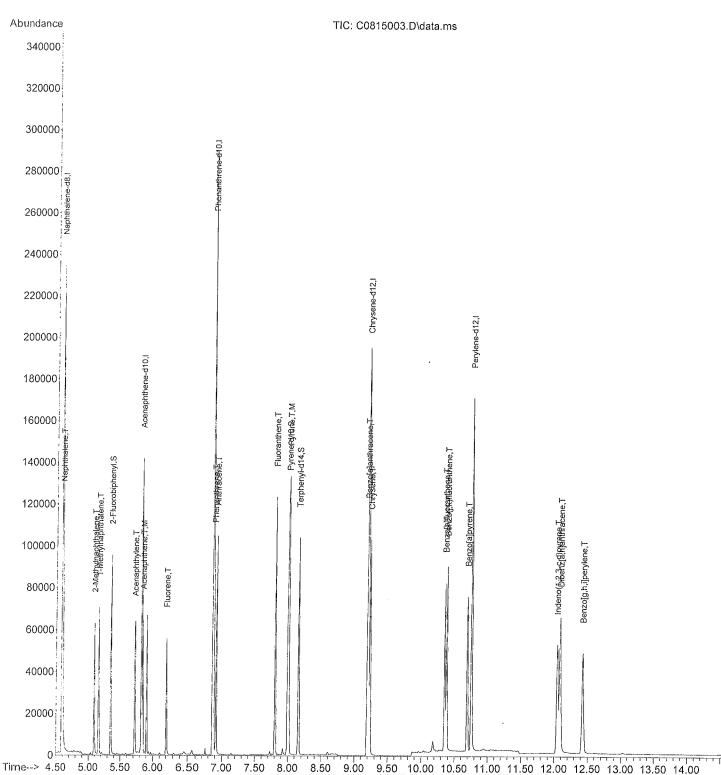
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 15 11:10:51 2025

Quant Method : C:\MSDCHEM\1\METHODS\CS250801.M

Quant Title : PAH'S BY SIMS

QLast Update : Fri Aug 01 12:51:14 2025



Data File : C0815004.D

Acq On : 15 Aug 2025 11:18 am Operator : PB

Sample : SB0815W1 DUP

Misc

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 15 11:35:40 2025
Quant Method: C:\MSDCHEM\1\METHODS\CS250801.M
Quant Title: PAH'S BY SIMS
QLast Update: Fri Aug 01 12:51:14 2025

Compound	R.T.	QIon	Response	Conc Units De	ev(Min)
Internal Standards 1) Naphthalene-d8 5) Acenaphthene-d10 9) Phenanthrene-d10 16) Chrysene-d12 20) Perylene-d12	4.590 5.824 6.868 9.211 10.760	136 164 188 240 264	221610 118476 213437 182661 186680	2000.00 ppb 2000.00 ppb 2000.00 ppb 2000.00 ppb 2000.00 ppb	-0.06 -0.06 -0.06 -0.09
System Monitoring Compounds 6) 2-Fluorobiphenyl Spiked Amount 1000.000 10) Pyrene-dl0 Spiked Amount 1000.000 17) Terphenyl-dl4 Spiked Amount 1000.000	Range 25 8.000	172 - 89 212 - 110 244 - 92	Recove 103614 Recove	948.37 ppb ry = 94.84 1070.64 ppb	-0.08 % -0.08
Target Compounds 2) Naphthalene 3) 2-Methylnaphthalene 4) 1-Methylnaphthalene 7) Acenaphthylene 8) Acenaphthene 11) Fluorene 12) Phenanthrene 13) Anthracene 14) Fluoranthene 15) Pyrene 18) Benzo[a]anthracene 19) Chrysene 21) Benzo[b]fluoranthene 22) Benzo(j,k)fluoranthene 23) Benzo[a]pyrene 24) Indeno(1,2,3-c,d)pyrene 25) Dibenz[a,h]anthracene 26) Benzo[g,h,i]perylene	4.598 5.091 5.161 5.724 5.839 6.209 6.880 6.915 7.817 8.019 9.199 9.234 10.353 10.382 10.696 12.053 12.092	128 142 142 152 153 166 178 178 202 228 228 252 252 276 278 276	47557 28571 30266 56743 32436 40562 62834 63745 78171 78338 78110 73319 81172 72594 72222 73011m 70869 67478	372.80 ppb 313.68 ppb 357.30 ppb 435.87 ppb 387.24 ppb 397.56 ppb 429.50 ppb 447.55 ppb 487.22 ppb 477.94 ppb 517.62 ppb 497.16 ppb 520.81 ppb 484.00 ppb 512.63 ppb 505.92 ppb 491.70 ppb	value 96 99 99 100 100 96 96 94 97 100 95 96

^(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : C0815004.D

Acq On : 15 Aug 2025 11:18 am

Operator : PB

Sample : SB0815W1 DUP

Misc

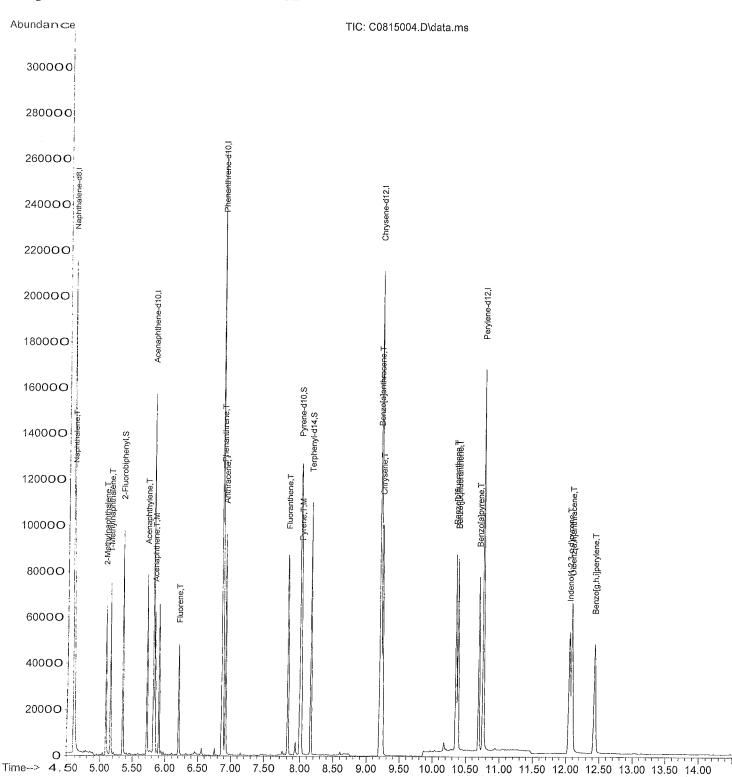
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 15 11:35:40 2025

Quant Method: C:\MSDCHEM\1\METHODS\CS250801.M

Quant Title : PAH'S BY SIMS

QLast Update: Fri Aug 01 12:51:14 2025



Method Path : C:\msdchem\1\METHODS\
Method File : CS250801.M
Title : PAH'S BY SIMS
Last Update : Thu Aug 21 12:43:51 2025
Response Via : Initial Calibration

Calibration Files
10 =C0801003.D 2
5000=C0801011.D Compound 20 =C0801004.D 10 50 20 =C0801005.D 50 100 100 =C0801007.D 200 500 1000 200 =C0801008.D 5000 500 = C0821004.D 1000=C0801010.D

(#)	22220	16) 17) 18)	112 12 13 15 13 15 15 15 15 15 15 15 15 15 15 15 15 15	8 7 6 5	2 2 4 3)	I I
= 0u:	: ! 머뉘니니니니 !	ниин	днннин инннин	, ∃ H & H	нннн	1 1 1
ut of Range	Perylene-d12 Benzo[b] fluora Benzo(j,k) fluo Benzo[a] pyrene Indeno(1,2,3-c Dibenz[a,h]ant Benzo[g,h,i]pe	Chrysene-d12 Terphenyl-d14 Benzo[a]anthra Chrysene	Phenanthrene-d10 Pyrene-d10 Fluorene Phenanthrene Anthracene Fluoranthene Fluoranthene Pyrene	Acenaphthene-d10 2-Fluorobiphenyl Acenaphthylene Acenaphthene	Naphthalene-d8 Naphthalene 2-Methylnaphth 1-Methylnaphth	Compound
1	1.884 1.80 1.821 1.67 1.672 1.59 1.727 1.60 1.649 1.56	1.361 1.14 2.620 2.11 1.795 1.70	1.215 1.04 1.034 1.01 1.603 1.45 1.466 1.40 1.706 1.59 1.781 1.66	1.838 1.76 2.397 2.35 1.487 1.48	1.295 1.22 0.911 0.87 0.839 0.80	10
 	3 1.773 2 1.606 8 1.552 8 1.576 0 1.521	9 1.039 3 1.910 3 1.664	7 1.064 7 1.038 7 1.549 6 1.639 4 4.444	2 1.750 3 2.341 8 1.504	1 1.177 1 0.868 6 0.804	20
! ! ! !	1.695 1.778 1.598 1.598 1.595 1.566	1.078 1.876 1.730	1.093 1.018 1.421 1.416 1.588 1.616	1.799 2.380 1.505	ISTD 1.207 0.879 0.814	50
	1. 632 1. 632 1. 632 1. 533 1. 533 1. 493	1.047 1.799 1.649	1.040 0.994 1.379 1.372 1.539	1.716 2.280 1.464	1.177 0.845 0.784	100
 	1.665 1.515 1.474 1.493 1.493 1.470	1.685	0.993 0.932 1.307 1.311 1.454 1.476	1.762 2.135 1.397	1.113 0.791 0.738	200
	1.500 1.522 1.407 1.454 1.415	0.942 1.580 1.509	0.923 0.874 1.224 1.242 1.364 1.382	1.529	1.105 0.753	500
	1.330	0.816 1.379 1.278	0.816 0.744 1.027 1.139	1.293 1.670 1.139	0.915 0.659 0.625	1000
1 1	1.670 1.607 1.509 1.546 1.546 1.502	1.053 1.870 1.615	1.024 0.956 1.371 1.335 1.503	1.681 2.198 1.414	1.151 0.822 0.764	5000
	10.61 10.08 9.09 8.04 8.58	15.12 20.09 10.01	11.57 10.73 13.50 9.88 12.09	10.82 11.37 8.98	9.82 10.14 9.27	Avg
						%RSD

Method Path : C:\msdchem\1\METHODS\

Method File : CS250801.M Title : PAH'S BY SIMS

Last Update : Thu Aug 21 12:43:51 2025 Response Via : Initial Calibration

Total Cpnds : 26

PK 	#	Compound Name	QIon	Exp_RT	Rel_RT	Cal	#Qual	A/H	ID
1	I	Naphthalene-d8	136	4.512	1.000	- . А	0	 A	 R
2	${ m T}$	Naphthalene	128	4.520	1.002	A	1	A	R
3	$_{\mathrm{T}}$	2-Methylnaphthalene	142	5.017	1.112	A	1	A	R
4	Т	1-Methylnaphthalene	142	5.087	1.127	A	1	A	R
5	I	Acenaphthene-d10	164	5.746	1.000	A	0	A	R
6	S	2-Fluorobiphenyl	172	5.278	0.919	A	0	A	R
7	T	Acenaphthylene	152	5.646	0,983	A	0	A	R
8	Т	Acenaphthene	153	5.769	1.004	A	0	A	R
9	I	Phenanthrene-d10	188	6.804	1.000	A	0	A	R
1.0	S	Pyrene-d10	212	7,932	1,166	A	0	A	R
11	T	Fluorene	166	6.131	0.901	A	0	A	R
12	T	Phenanthrene	178	6.821	1.003	A	1	Α	R
13	${ m T}$	Anthracene	178	6.862	1.009	Α	1	A	R
14	Т	Fluoranthene	202	7.749	1,139	A	1	A	R
15	T	Pyrene	202	7.951	1.169	A	1	A	R
16	I	Chrysene-d12	240	9.123	1.000	A	0	A	R
1.7	S	Terphenyl-d14	244	8.095	0,887	L	0	A	R
1.8	${ m T}$	Benzo[a] anthracene	228	9.112	0.999	L	1	A	R
19	T	Chrysene	228	9.146	1.003	A	1	A	R
20	I	Perylene-d12	264	10.649	1.000	A	0	A	R
21	T	Benzo[b] fluoranthene	252	10.254	0.963	A	1	A	R
22	Т	Benzo(j,k)fluoranthene	252	10.277	0.965	A	1	A	R
23	\mathbf{T}	Benzo[a] pyrene	252	10.585	0.994	A	1	A	R
24	T	Indeno(1,2,3-c,d)pyrene	276	11.885	1.116	A	1	A	R
25	T	Dibenz[a,h]anthracene	278	11.924	1.120	A	1	A	R
26	${ m T}$	Benzo[g,h,i]perylene	276	12.248	1,150	A	1	A	R

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin #Qual = number of qualifiers

A/H = Area or Height

ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

CS250801.M Mon Sep 22 14:41:18 2025

Data File : C0801003.D

9:21 am Acq On : 1 Aug 2025

Operator : JP

: 10 PPB ICAL : SV7-010-22 Sample Misc

ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 01 12:52:37 2025

Quant Method: C:\msdchem\1\METHODS\CS250801.M

Quant Title : PAH'S BY SIMS

QLast Update: Fri Aug 01 12:51:14 2025

Compound	R.T.	QIon	Response	Conc Units D	ev(Min)	
Internal Standards	and your year and you were and you and you			_		
1) Naphthalene-d8	4.656		205944	2000.00 ppb		
5) Acenaphthene-d10	5.891			2000.00 ppb	0.00	
9) Phenanthrene-d10	6.932		191287	2000.00 ppb	0.00	
16) Chrysene-d12	9.298	240	147540	2000.00 ppb	0.00	
20) Perylene-d12	10.852	264	149184	2000.00 ppb	0.00	
System Monitoring Compounds						
6) 2-Fluorobiphenyl Spiked Amount 1000.000	5.416	172	1030	10.94 ppb	0.00	
Spiked Amount 1000.000	Range 25	- 89	Recove	ry = 1.0	98#	Ulan
10) Pyrene-d10	8.077	212	1440	14.71 ppb	0.00	llia i
Spiked Amount 1000.000	Range 40	- 110	Recove	ry = 1.4	/ o #	
17) Terphenyl-d14	8 240	244	1004	9.94 ppb	0.00	
Spiked Amount 1000.000	Range 39	- 92	Recove	ry = 0.9	9%#	
Target Compounds					Qvalue	
Target Compounds 2) Naphthalene 3) 2 - Methylnaphthalene 4) 1 - Methylnaphthalene	4.671	128	1334	11.25 ppb	99	
3) 2 - Methylnaphthalene	5.155	142	938	11.08 ppb	99	
4) 1 - Methylnaphthalene	5.224 5.791	142	864	10.98 ppb	98	
7) Acenaphthylene	5.791	152	1343		100	
8) Acenaphthene	5.914		833			
11) Fluorene	6.277	166	983m	10.75 ppb		^
12) Phenanthrene	6.943	178	1533		99	A ()
	6.984	178	1402	10.98 ppb	96	. 11/
14) Fluoranthene	7.885	202	1632			UYZILAC
15) Pyrene	8.086	202	1703	11.59 ppb		VIII V
18) Benzo[a]anthracene	9.286	228	1933	9.86 ppb	95	81111
19) Chrysene	9.321	228	1324			
21) Benzo[b] fluoranthene	10.440	252	1405			
22) Benzo(j,k)fluoranthene	10,469	252	1358	11.33 ppb		
23) Benzo[a]pyrene	10.783		1247			
24) Indeno(1,2,3-c,d)pyrene	12.171	276	1305m			
25) Dibenz[a,h]anthracene	12.217		1241	11.08 ppb	77	
26) Benzo[g,h,i]perylene	12.556	276	1230	11.22 ppb	82	
was bed don't see you work themes have not you mad an over her you you you have been you and you you you was gone you						

 $^{(\#) = \}text{Qualifier out of range (m)} = \text{manual integration (+)} = \text{signals summed}$

Data File : C0801003.D

Acq On : 1 Aug 2025 9:21 am

Operator : JP

Sample : 10 PPB ICAL Misc : SV7-010-22

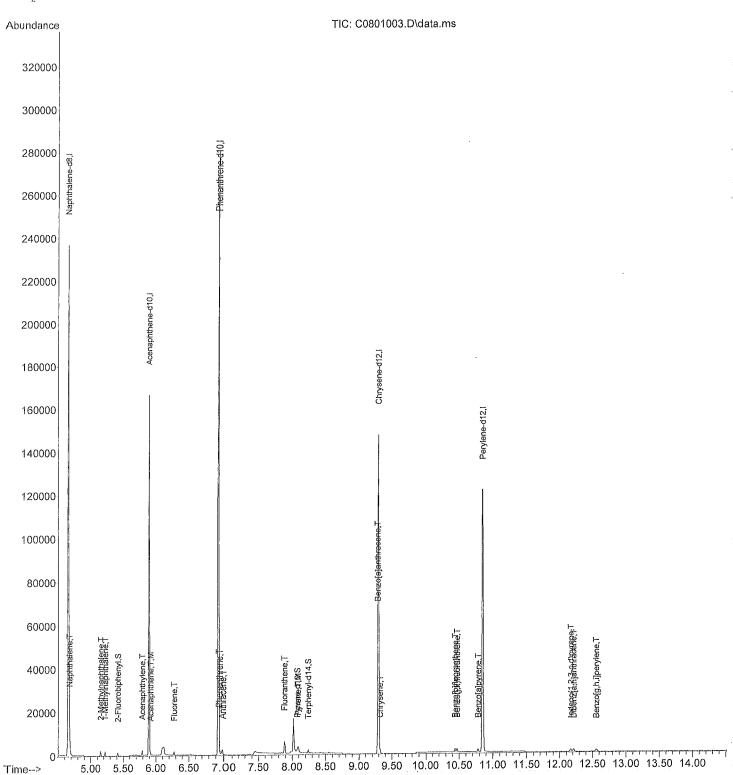
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 01 12:52:37 2025

Quant Method : C:\msdchem\1\METHODS\CS250801.M

Quant Title : PAH'S BY SIMS

QLast Update : Fri Aug 01 12:51:14 2025



Data File : C0801004.D

Acq On : 1 Aug 2025 9:42 am

Operator : JP

Sample : 20 PPB ICAL Misc : SV7-010-21

ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug Ol 12:52:57 2025

Quant Method : C:\msdchem\1\METHODS\CS250801.M

Quant Title : PAH 'S BY SIMS

QLast Update : Fri Aug 01 12:51:14 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units I	ev(Min)
Internal Standards			gers made found treat types plant many specs bond		yang kama mana awal be-9 be-6
1) Naphthalene-d8	4.651	136	209063	2000.00 ppb	0.00
5) Acenaphthene -d10	5.885	164	111891	2000.00 ppb	0.00
9) Phenanthrene-d10	6.937	1.88	195010	2000.00 ppb	0.00
16) Chrysene-d12	9.298	240	150401	2000.00 ppb	0.00
20) Perylene-d12	10.852	264	151148	2000.00 ppb	0.00
System Monitoring Compounds					
6) 2-Fluorobiphenyl	5.411	172	1971	20.96 ppb	0.00
Spiked Amount 1000.000	Range 25	- 89	Recove	ry = 2.1	
10) Pyrene-d10	8.076	212			0.00
Spiked Amount 1000.000	Range 40	- 110	Recove		98#
17) Terphenyl-d14	8.249	244	1728	19.74 ppb	0.01
Spiked Amount 1000.000	Range 39	- 92	Recove	ry = 1.9	78#
Target Compounds					Qvalue
2) Naphthalene	4.659	128	2552	21.21 ppb	99
3) 2-Methylnaphthalene	5.156	142	1821		99
4) 1-Methylnaphthalene	5.226	142	1686	21.10 ppb	98
7) Acenaphthylene	5.784	152	2633	21.42 ppb	100
8) Acenaphthene	5.908	153	1665	21.05 ppb	100
11) Fluorene	6.270	166	2105	22.58 ppb	100
12) Phenanthrene	6.948	178	2841		99
13) Anthracene	6.983	178	2738	A. Ju	97
14) Fluoranthene	7.894	202	3117	21.26 ppb	# 1
15) Pyrene	8.095	202	3249		88
18) Benzo[a]anthracene	9.287	228	3178	19.70 ppb	100
19) Chrysene	9.322	228	2562	21.10 ppb	98
21) Benzo[b]fluoranthene	10.439	252	2725	21.59 ppb	95
22) Benzo(j,k)fluoranthene	10.468	252	2527	20.81 ppb	89
23) Benzo[a]pyrene	10,782	252	2416	21.18 ppb	96
24) Indeno $(1,2,3-c,d)$ pyrene	12.170	276	2431m	* *	
25) Dibenz[a,h]anthracene	12.216	278			83
26) Benzo[g,h,i] perylene	12.563	276	2327	20.94 ppb	86

(#) = qualifier out of range (m) = manual integration (+) = signals summed

J 81125

Data File: C0801004.D

Acq On : 1 Aug 2025 9:42 am

Operator : JP

Sample : 20 PPB ICAL Misc : SV7-010-21

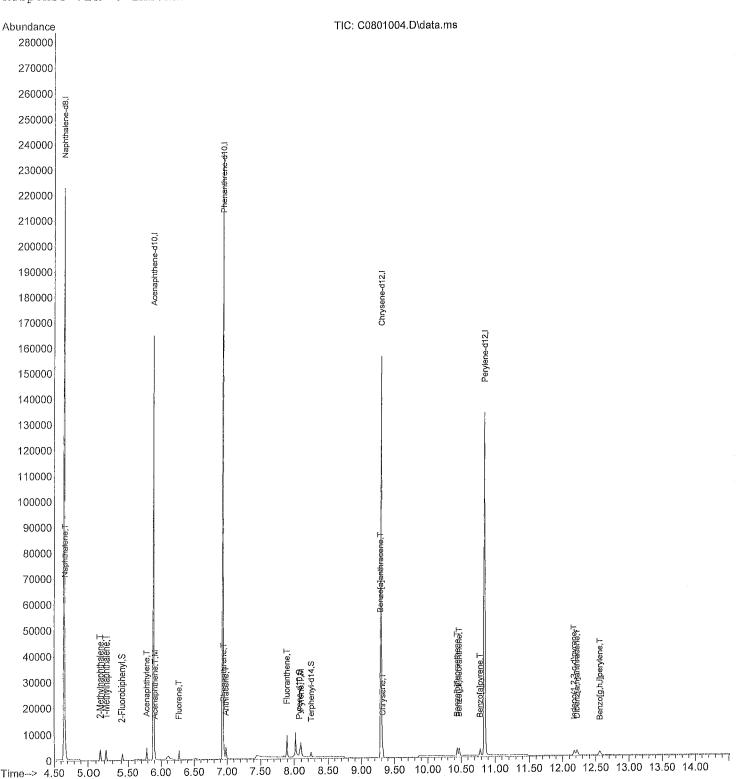
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 01 12:52:57 2025

Quant Method : C:\msdchem\1\METHODS\CS250801.M

Quant Title : PAH'S BY SIMS

QLast Update : Fri Aug 01 12:51:14 2025



Data File : C0801005.D

Acq On : 1 Aug 2025 10:03 am Operator : JP

: 50 PPB ICAL Sample Misc : SV7-010-20

ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 01 12:53:14 2025

Quant Method : C:\msdchem\1\METHODS\CS250801.M

Quant Title : PAH'S BY SIMS QLast Update : Fri Aug 01 12:51:14 2025 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units I	Dev(Min)
Internal Standards					
1) Naphthalene-d8	4.651	136	215638	2000.00 ppb	
5) Acenaphthene-d10	5.884	164	115556	2000.00 ppb	
9) Phenanthrene-d10	6.931	1.88	202604	2000.00 ppb	
16) Chrysene-d12	9.298	240	154819	2000.00 ppb	
20) Perylene-d12	10.852	264	156715	2000.00 ppb	0.00
System Monitoring Compounds					
6) 2-Fluorobiphenyl	5.412	172	5056		
Spiked Amount 1000.000	Range 25	- 89		ry = 5.2	
10) Pyrene-d10	8.076			51.95 ppb	0.00
Spiked Amount 1000.000	Range 40	- 110	Recove	ry = 5.3	208#
17) Terphenyl-d14		244		50.05 ppb	
Spiked Amount 1000.000	Range 39	- 92	Recove	= 5.	00%#
Target Compounds					Qvalue
2) Naphthalene	4.659	128	6347	51.13 ppb	98
3) 2-Methylnaphthalene	5.157	142	4678	52.78 ppb	100
4) 1-Methylnaphthalene	5.226	142	4332		99
7) Acenaphthylene	5.784	152	6762		100
8) Acenaphthene	5.908	153	4346		100
11) Fluorene	6.270	166	5163m		
12) Phenanthrene	6.949	178	7846		97
13) Anthracene	6.984		7135		98
14) Fluoranthene	7.894	202	8300		# 41
15) Pyrene	8.096	202	8325		94
18) Benzo[a]anthracene	9.281	228	7391		97
19) Chrysene	9.322	228	6442		96
21) Benzo[b]fluoranthene	10.440	252	6946		97
22) Benzo(j,k)fluoranthene	10.469	252	6291		92
23) Benzo[a]pyrene	10.782		6082	A. A.	96
24) Indeno(1,2,3-c,d)pyrene	12.170	276	6157m		
25) Dibenz[a,h]anthracene	12.217		5960		89
26) Benzo[g,h,i]perylene	12.564	276	5878	51.02 ppb	86

^(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : C0801005.D

: 1 Aug 2025 10:03 am Acq On

Operator : JP

: 50 PPB ICAL Sample : SV7-010-20 Misc

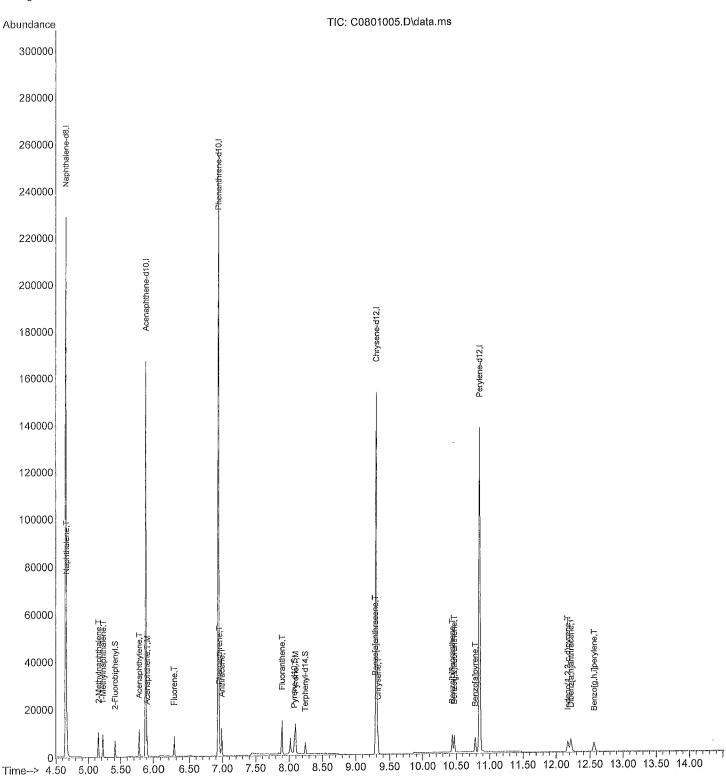
Sample Multiplier: 1 ALS Vial : 5

Quant Time: Aug 01 12:53:14 2025

Quant Method : C:\msdchem\1\METHODS\CS250801.M

Quant Title : PAH'S BY SIMS

QLast Update : Fri Aug 01 12:51:14 2025



Data File : C0801007.D

Acq On : 1 Aug 2025 10:48 am Operator : JP

Sample : 100 PPB ICAL Misc : SV7-010-19

ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 01 12:53:31 2025

Quant Method: C:\msdchem\1\METHODS\CS250801.M
Quant Title: PAH'S BY SIMS
QLast Update: Fri Aug 01 12:51:14 2025

Compound	R.T.	QIon	Response	Conc Units De	ev(Min)
Internal Standards 1) Naphthalene-d8 5) Acenaphthene-d10 9) Phenanthrene-d10 16) Chrysene-d12 20) Perylene-d12	4.650 5.886 6.932 9.298 10.852	136 164 188 240 264	212537 113920 200351 153207 155491	2000.00 ppb 2000.00 ppb 2000.00 ppb 2000.00 ppb 2000.00 ppb	0.00 0.00 0.00 0.00
System Monitoring Compounds 6) 2-Fluorobiphenyl Spiked Amount 1000.000 10) Pyrene-d10 Spiked Amount 1000.000 17) Terphenyl-d14 Spiked Amount 1000.000	5.416 Range 25 8.077 Range 40 8.240 Range 39	- 89 212 - 110 244	Recove 10953 Recove 8259	106.80 ppb ery = 10.68 108.47 ppb	0.00 38# 0.00
Target Compounds 2) Naphthalene 3) 2-Methylnaphthalene 4) 1-Methylnaphthalene 7) Acenaphthylene 8) Acenaphthene 11) Fluorene 12) Phenanthrene 13) Anthracene 14) Fluoranthene 15) Pyrene 18) Benzo[a] anthracene 19) Chrysene 21) Benzo[b] fluoranthene 22) Benzo[j,k)fluoranthene 23) Benzo[a] pyrene 24) Indeno(1,2,3-c,d)pyrene 25) Dibenz[a,h]anthracene 26) Benzo[g,h,i]perylene	4.666 5.155 5.225 5.785 5.909 6.271 6.949 6.984 7.885 8.096 9.286 9.321 10.440 10.469 10.783 12.177 12.215 12.562		12826 9342 8646 13559 8571 10194 14239 14184 15907 16184 14374 13253 13179 13826 12424 12286m 12174 12000	104.84 ppb 106.94 ppb 106.43 ppb 108.32 ppb 106.42 ppb 106.44 ppb 103.69 ppb 106.09 ppb 105.62 ppb 105.19 ppb 105.19 ppb 107.14 ppb 107.14 ppb 107.14 ppb 101.52 ppb 110.67 ppb 105.87 ppb 105.87 ppb 105.221 ppb 104.24 ppb 104.98 ppb	99 100 100 100 100 97 98 77 97 95 98 95 96 96

^(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : C0801007.D

: 1 Aug 2025 10:48 am Acq On

: JP Operator

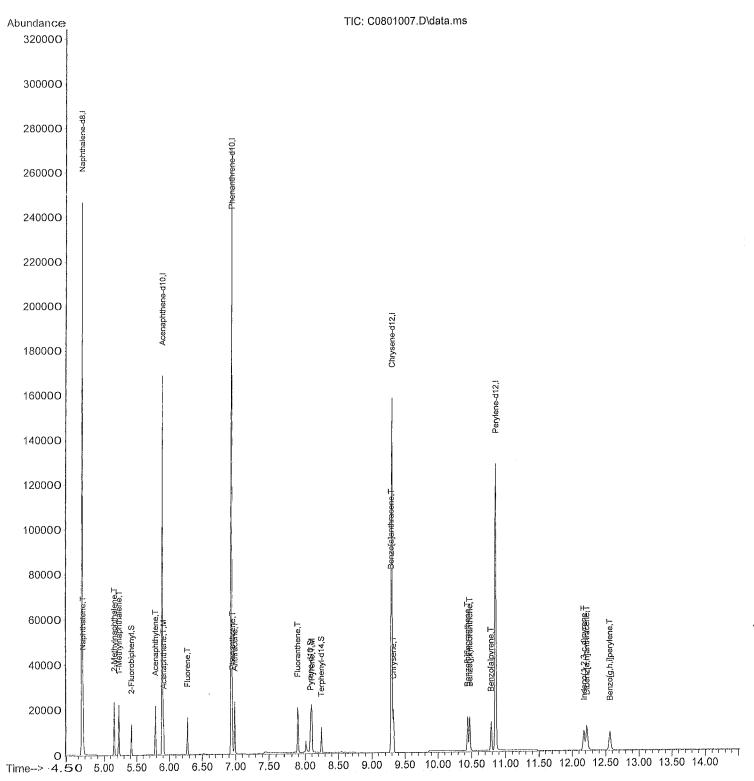
: 100 PPB ICAL Sample : SV7-010-19 Misc

Sample Multiplier: 1 : 7 ALS Vial

Quant Time: Aug 01 12:53:31 2025

Quant Method: C:\msdchem\1\METHODS\CS250801.M

Quant Title : PAH'S BY SIMS QLast Update : Fri Aug 01 12:51:14 2025 Response via : Initial Calibration



Data File : C0801008.D

Acq On : 1 Aug 2025 11:10 am Operator : JP

: 200 PPB ICAL Sample Misc : SV7-010-18

ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 01 12:53:41 2025

Quant Method: C:\msdchem\1\METHODS\CS250801.M
Quant Title: PAH'S BY SIMS
QLast Update: Fri Aug 01 12:51:14 2025

Compound	R.T.	QIon	Response	Conc Units De	ev(Min)
Internal Standards 1) Naphthalene-d8 5) Acenaphthene-d10 9) Phenanthrene-d10 16) Chrysene-d12 20) Perylene-d12	4.651 5.886 6.938 9.297 10.853	136 164 188 240 264	212531 113565 198836 153360 155737	2000.00 ppb 2000.00 ppb 2000.00 ppb 2000.00 ppb 2000.00 ppb	0.00 0.00 0.00 0.00
System Monitoring Compounds 6) 2-Fluorobiphenyl Spiked Amount 1000.000 10) Pyrene-d10 Spiked Amount 1000.000 17) Terphenyl-d14 Spiked Amount 1000.000	8.077 Range 40 8.250	- 89 212 - 110	Recove 20677 Recove 16051	203.15 ppb ery = 20.33 214.64 ppb	1%# 0.00 2%# 0.01
Target Compounds 2) Naphthalene 3) 2-Methylnaphthalene 4) 1-Methylnaphthalene 7) Acenaphthylene 8) Acenaphthene 11) Fluorene 12) Phenanthrene 13) Anthracene 14) Fluoranthene 15) Pyrene 18) Benzo[a]anthracene 19) Chrysene 21) Benzo[b]fluoranthene 22) Benzo(j,k)fluoranthene 23) Benzo[a]pyrene 24) Indeno(1,2,3-c,d)pyrene 25) Dibenz[a,h]anthracene 26) Benzo[g,h,i]perylene	4.659 5.155 5.225 5.786 5.909 6.271 6.949 6.984 7.894 8.096 9.286 9.326 10.440 10.469 10.789 12.176 12.223 12.562	142 142 152 153 166 178 178 202 202 228 252 252 252 276	25010 17954 16653 25897 16624 19759 27419 27289 30593 31178 27586 25291 26596 25416 23953 24949 23873 23244	204.43 ppb 205.53 ppb 204.99 ppb 207.53 ppb 207.05 ppb 207.88 ppb 201.18 ppb 205.66 ppb 204.68 ppb 204.18 ppb 214.15 ppb 204.26 ppb 204.26 ppb 204.55 ppb 203.12 ppb 203.80 ppb	Qvalue 99 100 100 100 100 96 96 88 96 95 98 94 96 91 89

^(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : C0801008.D

Acq On : 1 Aug 2025 11:10 am

Operator : JP

Sample : 200 PPB ICAL Misc : SV7-010-18

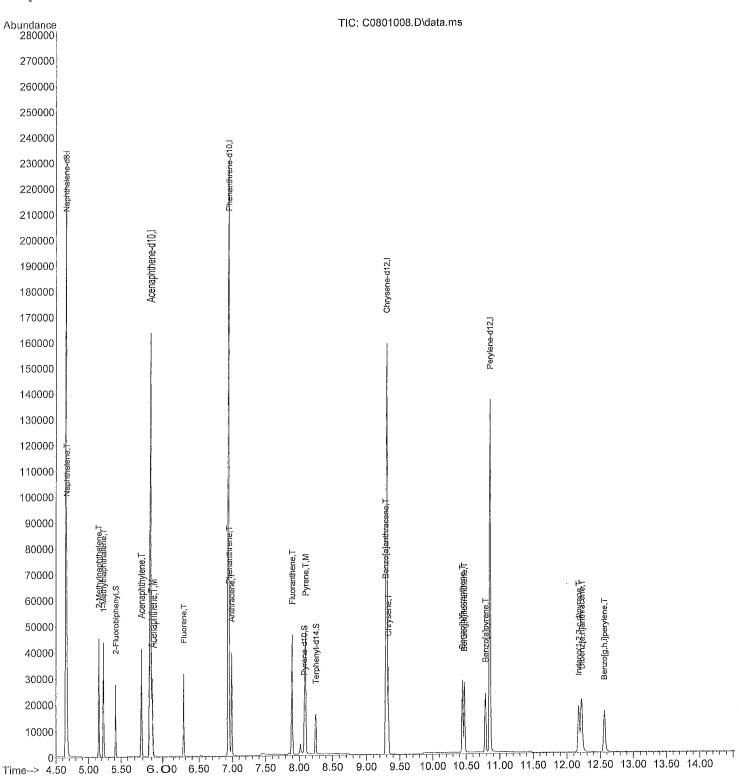
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 01 12:53:41 2025

Quant Method: C:\msdchem\1\METHODS\CS250801.M

Quant Title : PAH 'S BY SIMS

QLast Update : Fri Aug 01 12:51:14 2025



Data File : C0801009.D

Acq On : 1 Aug 2025 11:31 am

Operator : JP

Sample : 500 PPB ICAL : SV7-010-17 Misc

ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 01 12:51:33 2025

Quant Method: C:\msdchem\1\METHODS\CS250801.M

Quant Title : PAH'S BY SIMS

QLast Update : Fri Aug 01 12:51:14 2025

Internal Standards	Compound	R.T.	QIon	Response	Conc Units De	v(Min)
1) Naphthalene-d8	Internal Chandards					
Second part Second part		4.651	136	209840	2000.00 ppb	0.00
9) Phenanthrene-d10 6.931 188 195302 2000.00 ppb 0.00 16) Chrysene-d12 9.298 240 151665 2000.00 ppb 0.00 20) Perylene-d12 10.852 264 155082 2000.00 ppb 0.00 20) Perylene-d12 10.852 264 155082 2000.00 ppb 0.00 20) Perylene-d12 10.852 264 155082 2000.00 ppb 0.00 20) System Monitoring Compounds 6) 2-Fluorobiphenyl 5.412 172 48882 523.96 ppb 0.00 Spiked Amount 1000.000 Range 25 - 89 Recovery = 52.40% 10) Pyrene-d10 8.076 212 48467 484.81 ppb 0.00 Spiked Amount 1000.000 Range 40 - 110 Recovery = 48.48% 17) Terphenyl-d14 8.240 244 37516 513.14 ppb 0.00 Spiked Amount 1000.000 Range 39 - 92 Recovery = 51.31% Target Compounds 20 Naphthalene 5.156 142 41510 481.29 ppb 1.00 4) 1-Methylnaphthalene 5.156 142 41510 481.29 ppb 1.00 4) 1-Methylnaphthalene 5.226 142 38717 482.70 ppb 1.00 4) 1-Methylnaphthalene 5.785 152 59247 485.76 ppb 1.00 8) Acenaphthylene 5.785 152 59247 485.76 ppb 1.00 1) Fluorene 6.270 166 45503 487.40 ppb 1.00 1) Fluorene 6.270 166 45503 487.40 ppb 1.00 1) Fluorene 6.949 178 63829 476.81 ppb 95 13) Anthracene 6.984 178 64025 491.26 ppb 96 14) Fluoranthene 7.894 202 71008 483.67 ppb 95 13) Anthracene 6.984 178 64025 491.26 ppb 96 14) Fluoranthene 7.894 202 71008 483.67 ppb 95 15) Pyrene 8.096 202 72070 480.53 ppb 95 18) Benzo [a] anthracene 9.281 228 63888 509.81 ppb 94 19) Chrysene 9.322 228 60286 492.33 ppb 95 18 Benzo [b] fluoranthene 10.440 252 64548 498.53 ppb 97 22) Benzo (j, k) fluoranthene 10.440 252 57153 488.33 ppb 95 24) Indeno (1,2,3-c,d) pyrene 10.782 252 57153 488.33 ppb 95 24) Indeno (1,2,3-c,d) pyrene 10.782 252 57153 488.33 ppb 95 24) Indeno (1,2,3-c,d) pyrene 10.782 252 57153 482.93 ppb			164	110998	2000.00 ppb	0.00
16) Chrysene-d12			188	195302	2000.00 ppb	0.00
System Monitoring Compounds 6) 2-Fluorobiphenyl 5.412 172 48882 523.96 ppb 0.00 Spiked Amount 1000.000 Range 25 - 89 Recovery = 52.40% 10) Pyrene-d10 8.076 212 48467 484.81 ppb 0.00 Spiked Amount 1000.000 Range 40 - 110 Recovery = 48.48% 17) Terphenyl-d14 8.240 244 37516 513.14 ppb 0.00 Spiked Amount 1000.000 Range 39 - 92 Recovery = 51.31% Target Compounds 2) Naphthalene 4.659 128 58399 483.47 ppb 98 3) 2-Methylnaphthalene 5.156 142 41510 481.29 ppb 100 4) 1-Methylnaphthalene 5.266 142 38717 482.70 ppb 100 4) 1-Methylnaphthalene 5.785 152 59247 485.76 ppb 100 8) Acenaphthene 5.908 153 38764 493.97 ppb 100 1) Fluorene 6.270 166 45503 487.40 ppb 100 11) Fluorene 6.949 178 63829 476.81 ppb 95 13) Anthracene 6.984 178 64025 491.26 ppb 96 14) Fluoranthene 6.984 178 64025 491.26 ppb 96 14) Fluoranthene 7.894 202 71008 483.67 ppb 95 13) Anthracene 9.281 228 63888 509.81 ppb 95 18) Benzo [a] anthracene 9.281 228 63888 509.81 ppb 94 19) Chrysene 9.322 228 60286 492.33 ppb 95 21) Benzo [b] fluoranthene 10.469 252 58718 471.25 ppb 93 23) Benzo [a] pyrene 10.469 252 57153 488.33 ppb 95 24) Indeno (1,2,3-c,d) pyrene 12.178 276 57897 482.93 ppb 86	• •			151665	2000.00 ppb	0.00
Spiked Amount 1000.000 Range 25 - 89 Recovery = 52.40					2000.00 ppb	0.00
Spiked Amount 1000.000 Range 25 - 89 Recovery = 52.40	System Monitoring Compounds					
Spiked Amount 1000.000 Range 25 - 89 Recovery = 52.40% 10) Pyrene-d10 8.076 212 48467 484.81 ppb 0.00 Spiked Amount 1000.000 Range 40 - 110 Recovery = 48.48% 17) Terphenyl-d14 8.240 244 37516 513.14 ppb 0.00 Spiked Amount 1000.000 Range 39 - 92 Recovery = 51.31% Target Compounds 2) Naphthalene 4.659 128 58399 483.47 ppb 98 3) 2-Methylnaphthalene 5.156 142 41510 481.29 ppb 100 4) 1-Methylnaphthalene 5.226 142 38717 482.70 ppb 100 7) Acenaphthylene 5.785 152 59247 485.76 ppb 100 8) Acenaphthene 5.908 153 38764 493.97 ppb 100 8) Acenaphthene 6.270 166 45503 487.40 ppb 100 11) Fluorene 6.270 166 45503 487.40 ppb 100 12) Phenanthrene 6.949 178 63829 476.81 ppb 95 13) Anthracene 6.984 178 64025 491.26 ppb 96 14) Fluoranthene 7.894 202 71008 483.67 ppb 95 15) Pyrene 8.096 202 72070 480.53 ppb 95 16) Benzo [a] anthracene 9.281 228 63888 509.81 ppb 94 19) Chrysene 9.322 228 60286 492.33 ppb 95 21) Benzo [b] fluoranthene 10.440 252 64548 498.53 ppb 97 22) Benzo [b] fluoranthene 10.469 252 58718 471.25 ppb 93 23) Benzo [a] pyrene 10.782 252 57153 488.33 ppb 95 24) Indeno (1,2,3-c,d) pyrene 12.178 276 57897 482.93 ppb 86		5.412	172	48882	523.96 ppb	0.00
10) Pyrene-d10 Spiked Amount 1000.000 Range 40 - 110 Recovery = 48.48% 17) Terphenyl-d14 Spiked Amount 1000.000 Range 39 - 92 Recovery = 51.31% Target Compounds 2) Naphthalene						ફ
Spiked Amount 1000.000 Range 40 - 110 Recovery = 48.48% 17) Terphenyl-d14 8.240 244 37516 513.14 ppb 0.00 Spiked Amount 1000.000 Range 39 - 92 Recovery = 51.31% Target Compounds 2) Naphthalene 4.659 128 58399 483.47 ppb 98 3) 2-Methylnaphthalene 5.156 142 41510 481.29 ppb 100 4) 1-Methylnaphthalene 5.226 142 38717 482.70 ppb 100 7) Acenaphthylene 5.785 152 59247 485.76 ppb 100 8) Acenaphthene 5.908 153 38764 493.97 ppb 100 11) Fluorene 6.270 166 45503 487.40 ppb 100 12) Phenanthrene 6.949 178 63829 476.81 ppb 95 13) Anthracene 6.984 178 64025 491.26 ppb 96 14) Fluoranthene 7.894 202 71008 483.67 ppb 92 15) Pyrene 8.096 202 72070 480.53 ppb 95 18) Benzo [a] anthracene 9.281 228 63888 509.81 ppb 94 19) Chrysene 9.322 228 60286 492.33 ppb 95 21) Benzo [b] fluoranthene 10.469 252 58718 471.25 ppb 93 22) Benzo [a] pyrene 10.782 252 57153 488.33 ppb 95 24) Indeno (1, 2, 3-c, d) pyrene 12.178 276 57897 482.93 ppb 86	·	•			**	0.00
Terphenyl-d14					= 48.48	웅
Spiked Amount 1000.000 Range 39 - 92 Recovery = 51.31% Qvalue 2) Naphthalene 4.659 128 58399 483.47 ppb 98 3) 2-Methylnaphthalene 5.156 142 41510 481.29 ppb 100 4) 1-Methylnaphthalene 5.226 142 38717 482.70 ppb 100 7) Acenaphthylene 5.785 152 59247 485.76 ppb 100 8) Acenaphthene 5.908 153 38764 493.97 ppb 100 11) Fluorene 6.270 166 45503 487.40 ppb 100 12) Phenanthrene 6.949 178 63829 476.81 ppb 95 13) Anthracene 6.984 178 64025 491.26 ppb 96 14) Fluoranthene 7.894 202 71008 483.67 ppb 92 15) Pyrene 8.096 202 72070 480.53 ppb 95 18) Benzo [a] anthracene 9.281 228 63888 509.81 ppb 94 19) Chrysene 9.322 228 60286 492.33 ppb 95 21) Benzo [b] fluoranthene 10.440 252 64548 498.53 ppb 97 22) Benzo (j,k) fluoranthene 10.469 252 58718 471.25 ppb 93 23) Benzo [a] pyrene 10.782 252 57153 488.33 ppb 95 24) Indeno (1, 2, 3-c, d) pyrene 12.178 276 57897 482.93 ppb 86					513.14 ppb	0.00
2) Naphthalene						ક
2) Naphthalene	Target Compounds				Q	value
3) 2-Methylnaphthalene 5.156 142 41510 481.29 ppb 100 4) 1-Methylnaphthalene 5.226 142 38717 482.70 ppb 100 7) Acenaphthylene 5.785 152 59247 485.76 ppb 100 8) Acenaphthene 5.908 153 38764 493.97 ppb 100 11) Fluorene 6.270 166 45503 487.40 ppb 100 12) Phenanthrene 6.949 178 63829 476.81 ppb 95 13) Anthracene 6.984 178 64025 491.26 ppb 96 14) Fluoranthene 7.894 202 71008 483.67 ppb 92 15) Pyrene 8.096 202 72070 480.53 ppb 95 18) Benzo [a] anthracene 9.281 228 63888 509.81 ppb 94 19) Chrysene 9.322 228 60286 492.33 ppb 95 21) Benzo [b] fluoranthene 10.440 252 64548 498.53 ppb 97 22) Benzo (j,k) fluoranthene 10.469 252 58718 471.25 ppb 93 23) Benzo [a] pyrene 10.782 252 57153 488.33 ppb 95 24) Indeno (1,2,3-c,d) pyrene 12.178 276 57897 482.93 ppb 86		4.659	128	58399	483.47 ppb	98
4) 1-Methylnaphthalene 5.226 142 38717 482.70 ppb 100 7) Acenaphthylene 5.785 152 59247 485.76 ppb 100 8) Acenaphthene 5.908 153 38764 493.97 ppb 100 11) Fluorene 6.270 166 45503 487.40 ppb 100 12) Phenanthrene 6.949 178 63829 476.81 ppb 95 13) Anthracene 6.984 178 64025 491.26 ppb 96 14) Fluoranthene 7.894 202 71008 483.67 ppb 92 15) Pyrene 8.096 202 72070 480.53 ppb 95 18) Benzo [a] anthracene 9.281 228 63888 509.81 ppb 94 19) Chrysene 9.322 228 60286 492.33 ppb 95 21) Benzo [b] fluoranthene 10.440 252 64548 498.53 ppb 95 22) Benzo (j,k) fluoranthene 10.469 252 58718 471.25 ppb 93 23) Benzo [a] pyrene 10.782 252 57153 488.33 ppb 95 24) Indeno (1,2,3-c,d) pyrene 12.178 276 57897 482.93 ppb 86					-	1.00
7) Acenaphthylene 5.785 152 59247 485.76 ppb 100 8) Acenaphthene 5.908 153 38764 493.97 ppb 100 11) Fluorene 6.270 166 45503 487.40 ppb 100 12) Phenanthrene 6.949 178 63829 476.81 ppb 95 13) Anthracene 6.984 178 64025 491.26 ppb 96 14) Fluoranthene 7.894 202 71008 483.67 ppb 92 15) Pyrene 8.096 202 72070 480.53 ppb 95 18) Benzo[a]anthracene 9.281 228 63888 509.81 ppb 94 19) Chrysene 9.322 228 60286 492.33 ppb 95 21) Benzo[b]fluoranthene 10.440 252 64548 498.53 ppb 97 22) Benzo(j,k)fluoranthene 10.469 252 58718 471.25 ppb 93 23) Benzo[a]pyrene 10.782 252 57153 488.33 ppb 95 24) Indeno(1,2,3-c,d)pyrene 12.178 276 57897 482.93 ppb 86						100
8) Acenaphthene 5.908 153 38764 493.97 ppb 100 11) Fluorene 6.270 166 45503 487.40 ppb 100 12) Phenanthrene 6.949 178 63829 476.81 ppb 95 13) Anthracene 6.984 178 64025 491.26 ppb 96 14) Fluoranthene 7.894 202 71008 483.67 ppb 92 15) Pyrene 8.096 202 72070 480.53 ppb 95 18) Benzo[a]anthracene 9.281 228 63888 509.81 ppb 94 19) Chrysene 9.322 228 60286 492.33 ppb 95 21) Benzo[b]fluoranthene 10.440 252 64548 498.53 ppb 97 22) Benzo(j,k)fluoranthene 10.469 252 58718 471.25 ppb 93 23) Benzo[a]pyrene 10.782 252 57153 488.33 ppb 95 24) Indeno(1,2,3-c,d)pyrene 12.178 276 57897 482.93 ppb 86				59247		100
11) Fluorene 6.270 166 45503 487.40 ppb 100 12) Phenanthrene 6.949 178 63829 476.81 ppb 95 13) Anthracene 6.984 178 64025 491.26 ppb 96 14) Fluoranthene 7.894 202 71008 483.67 ppb 92 15) Pyrene 8.096 202 72070 480.53 ppb 95 18) Benzo[a]anthracene 9.281 228 63888 509.81 ppb 94 19) Chrysene 9.322 228 60286 492.33 ppb 95 21) Benzo[b]fluoranthene 10.440 252 64548 498.53 ppb 97 22) Benzo(j,k)fluoranthene 10.469 252 58718 471.25 ppb 93 23) Benzo[a]pyrene 10.782 252 57153 488.33 ppb 95 24) Indeno(1,2,3-c,d)pyrene 12.178 276 57897 482.93 ppb 86				38764	2. (2.	100
12) Phenanthrene 6.949 178 63829 476.81 ppb 95 13) Anthracene 6.984 178 64025 491.26 ppb 96 14) Fluoranthene 7.894 202 71008 483.67 ppb 92 15) Pyrene 8.096 202 72070 480.53 ppb 95 18) Benzo[a]anthracene 9.281 228 63888 509.81 ppb 94 19) Chrysene 9.322 228 60286 492.33 ppb 95 21) Benzo[b]fluoranthene 10.440 252 64548 498.53 ppb 97 22) Benzo(j,k)fluoranthene 10.469 252 58718 471.25 ppb 93 23) Benzo[a]pyrene 10.782 252 57153 488.33 ppb 95 24) Indeno(1,2,3-c,d)pyrene 12.178 276 57897 482.93 ppb 86				45503	487.40 ppb	100
13) Anthracene 6.984 178 64025 491.26 ppb 96 14) Fluoranthene 7.894 202 71008 483.67 ppb 92 15) Pyrene 8.096 202 72070 480.53 ppb 95 18) Benzo[a]anthracene 9.281 228 63888 509.81 ppb 94 19) Chrysene 9.322 228 60286 492.33 ppb 95 21) Benzo[b]fluoranthene 10.440 252 64548 498.53 ppb 97 22) Benzo(j,k)fluoranthene 10.469 252 58718 471.25 ppb 93 23) Benzo[a]pyrene 10.782 252 57153 488.33 ppb 95 24) Indeno(1,2,3-c,d)pyrene 12.178 276 57897 482.93 ppb 86		6.949	178	63829	476.81 ppb	95
14) Fluoranthene 7.894 202 71008 483.67 ppb 92 15) Pyrene 8.096 202 72070 480.53 ppb 95 18) Benzo [a] anthracene 9.281 228 63888 509.81 ppb 94 19) Chrysene 9.322 228 60286 492.33 ppb 95 21) Benzo [b] fluoranthene 10.440 252 64548 498.53 ppb 97 22) Benzo (j,k) fluoranthene 10.469 252 58718 471.25 ppb 93 23) Benzo [a] pyrene 10.782 252 57153 488.33 ppb 95 24) Indeno (1,2,3-c,d) pyrene 12.178 276 57897 482.93 ppb 86		6.984	178	64025	491.26 ppb	
15) Pyrene 8.096 202 72070 480.53 ppb 95 18) Benzo[a]anthracene 9.281 228 63888 509.81 ppb 94 19) Chrysene 9.322 228 60286 492.33 ppb 95 21) Benzo[b]fluoranthene 10.440 252 64548 498.53 ppb 97 22) Benzo(j,k)fluoranthene 10.469 252 58718 471.25 ppb 93 23) Benzo[a]pyrene 10.782 252 57153 488.33 ppb 95 24) Indeno(1,2,3-c,d)pyrene 12.178 276 57897 482.93 ppb 86		7.894	202	71008	483.67 ppb	
18) Benzo [a] anthracene 9.281 228 63888 509.81 ppb 94 19) Chrysene 9.322 228 60286 492.33 ppb 95 21) Benzo [b] fluoranthene 10.440 252 64548 498.53 ppb 97 22) Benzo (j,k) fluoranthene 10.469 252 58718 471.25 ppb 93 23) Benzo [a] pyrene 10.782 252 57153 488.33 ppb 95 24) Indeno (1,2,3-c,d) pyrene 12.178 276 57897 482.93 ppb 86	·	8,096	202	72070	480.53 ppb	
19) Chrysene 9.322 228 60286 492.33 ppb 95 21) Benzo[b] fluoranthene 10.440 252 64548 498.53 ppb 97 22) Benzo(j,k)fluoranthene 10.469 252 58718 471.25 ppb 93 23) Benzo[a] pyrene 10.782 252 57153 488.33 ppb 95 24) Indeno(1,2,3-c,d) pyrene 12.178 276 57897 482.93 ppb 86		9.281	228	63888	509.81 ppb	
21) Benzo [b] fluoranthene 10.440 252 64548 498.53 ppb 97 22) Benzo (j,k) fluoranthene 10.469 252 58718 471.25 ppb 93 23) Benzo [a] pyrene 10.782 252 57153 488.33 ppb 95 24) Indeno (1,2,3-c,d) pyrene 12.178 276 57897 482.93 ppb 86		9.322	228	60286		
22) Benzo (j,k) fluoranthene 10.469 252 58718 471.25 ppb 93 23) Benzo [a] pyrene 10.782 252 57153 488.33 ppb 95 24) Indeno (1,2,3-c,d) pyrene 12.178 276 57897 482.93 ppb 86		10.440	252	64548		
23) Benzo[a]pyrene 10.782 252 57153 488.33 ppb 95 24) Indeno(1,2,3-c,d)pyrene 12.178 276 57897 482.93 ppb 86		10.469	252	58718	471.25 ppb	
24) Indeno(1,2,3-c,d)pyrene 12.178 276 57897 482.93 ppb 86		10.782	252	57153		
25) Dibenzia hlanthracene 12.217 278 56994 489.32 ppb 88		12.178	276	57897		
	25) Dibenz[a,h]anthracene	12.217	278	56994		
26) Benzo[g,h,i]perylene 12.564 276 55554 487.30 ppb 85	26) Benzo[g,h,i]perylene	12.564	276	55554	487.30 ppb	85

^(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File: C0801009.D

Acq On : 1 Aug 2025 11:31 am

Operator : JP

Sample : 500 PPB ICAL Misc : SV7-010-17

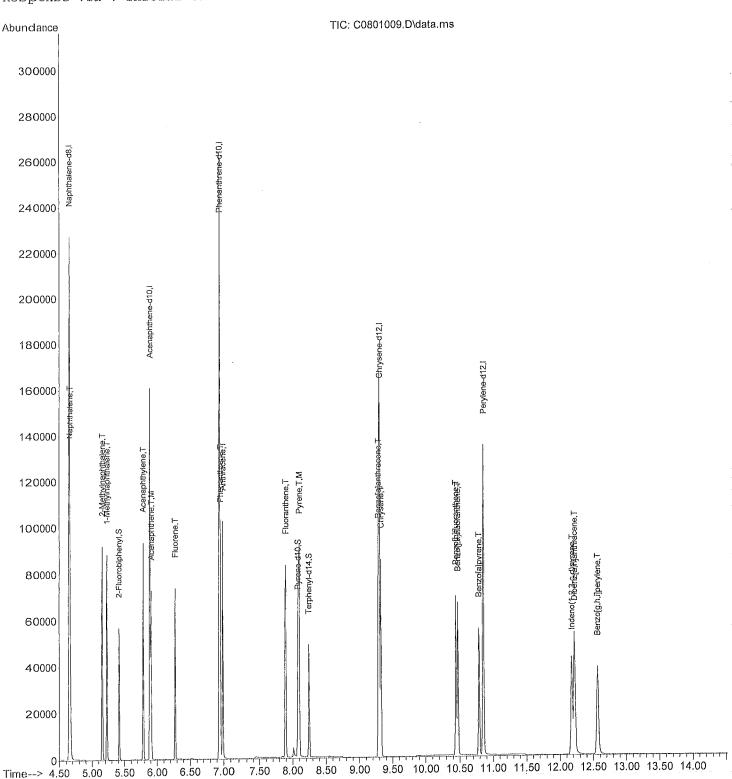
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 01 12:51:33 2025

Quant Method : C:\msdchem\1\METHODS\CS250801.M

Quant Title : PAH'S BY SIMS

QLast Update : Fri Aug 01 12:51:14 2025



Data File : C0801010.D

Acq On : 1 Aug 2025 11:53 am

Operator : JP

Sample : 1000 PPB ICAL Misc : SV7-010-16

ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 01 12:54:06 2025

Quant Method: C:\msdchem\1\METHOPS\CS250801.M

Quant Title : PAH'S BY SIMS QLast Update : Fri Aug 01 12:51:14 2025

Compound	R.T.	QIon	Response	Conc Units De	v(Min)
Internal Standards 1) Naphthalene-d8 5) Acenaphthene-d10 9) Phenanthrene-d10 16) Chrysene-d12 20) Perylene-d12	4.652 5.886 6.938 9.304 10.853	136 164 188 240 264	211136 112100 197031 152744 154997	2000.00 ppb 2000.00 ppb 2000.00 ppb 2000.00 ppb 2000.00 ppb	0.00 0.00 0.00 0.00
System Monitoring Compounds 6) 2-Fluorobiphenyl Spiked Amount 1000.000 10) Pyrene-d10 Spiked Amount 1000.000 17) Terphenyl-d14 Spiked Amount 1000.000	8.250	- 89 212 - 110	Recove 90963 Recove	901.90 ppb ery = 90.19 981.09 ppb	%# 0.01 % 0.01
Target Compounds 2) Naphthalene 3) 2-Methylnaphthalene 4) 1-Methylnaphthalene 7) Acenaphthylene 8) Acenaphthene 11) Fluorene 12) Phenanthrene 13) Anthracene 14) Fluoranthene 15) Pyrene 18) Benzo[a]anthracene 19) Chrysene 21) Benzo[b]fluoranthene 22) Benzo[j,k)fluoranthene 23) Benzo[a]pyrene 24) Indeno(1,2,3-c,d)pyrene 25) Dibenz[a,h]anthracene 26) Benzo[g,h,i]perylene	4.660 5.156 5.225 5.786 5.909 6.271 6.955 6.990 7.895 8.097 9.292 9.327 10.447 10.476 10.789 12.177 12.223 12.570	276	116601 79466 74591 113499 74462 86087 120576 122320 134345 136107 120687 115220 116210 117978 109041 112704 109672 106363	959.38 ppb 915.73 ppb 924.26 ppb 921.43 ppb 939.54 ppb 914.01 ppb 892.82 ppb 930.31 ppb 907.06 ppb 899.53 ppb 961.66 ppb 934.30 ppb 934.30 ppb 947.36 ppb 947.36 ppb 947.36 ppb 947.36 ppb 940.60 ppb 942.10 ppb 933.48 ppb	value 99 100 100 100 100 93 94 93 94 92 95 93 95 87 84

^(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : C0801010.D

Acq On : 1 Aug 2025 11:53 am

Operator : JP

Sample : 1000 PPB ICAL
Misc : SV7-O10-16

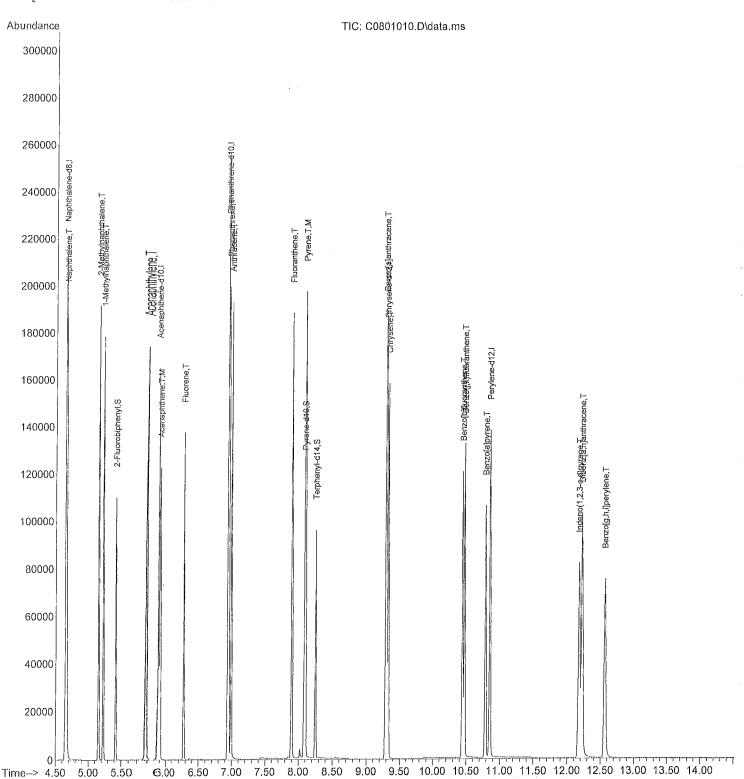
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug O 1 12:54:06 2025

Quant Method : C: \msdchem\1\METHODS\CS250801.M

Quant Title : PAH'S BY SIMS

QLast Update : Fri Aug 01 12:51:14 2025



Data File : C0801011.D

Acq On : 1 Aug 2025 12:14 pm Operator : JP

Sample : 5000 PPB ICAL

Misc : SV7-010-15 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 01 12:54:27 2025

Quant Method : C:\msdchem\1\METHODS\CS250801.M

Quant Title : PAH'S BY SIMS

QLast Update : Fri Aug 01 12:51:14 2025 Response via : Initial Calibration

R.T. QIon Response Conc Units Dev(Min) Internal Standards 1) Naphthalene-d8 4.651 136 211155 2000.00 ppb 0.00 5) Acenaphthene-d10 5.884 164 114230 2000.00 ppb 0.00 9) Phenanthrene-d10 6.931 188 200565 2000.00 ppb 0.00 16) Chrysene-d12 9.304 240 159492 2000.00 ppb 0.00 20) Perylene-d12 10.852 264 162506 2000.00 ppb 0.00 System Monitoring Compounds 6) 2-Fluorobiphenyl System Monitoring Compounds
6) 2-Fluorobiphenyl 5.417 172 369197 3845.44 ppb 0.00
Spiked Amount 1000.000 Range 25 - 89 Recovery = 384.54%#
10) Pyrene-dl0 8.086 212 408924 3983.07 ppb 0.00
Spiked Amount 1000.000 Range 40 - 110 Recovery = 398.31%#
17) Terphenyl-dl4 8.240 244 325377 4263.22 ppb 0.00
Spiked Amount 1000.000 Range 39 - 92 Recovery = 426.32%# Target Compounds

2) Naphthalene
4.666 128 483122 3974.74 ppb 93
3) 2-Methylnaphthalene
5.156 142 347664 4005.94 ppb 97
4) 1-Methylnaphthalene
5.226 142 329897 4087.38 ppb 98
7) Acenaphthylene
5.784 152 476804 3798.69 ppb 100
8) Acenaphthene
5.907 153 325211 4026.91 ppb 100
11) Fluorene
6.269 166 373211 3892.67 ppb 100
12) Phenanthrene
6.949 178 514737 3744.27 ppb 88
13) Anthracene
6.983 178 530121 3960.84 ppb 89
14) Fluoranthene
7.894 202 571352 3789.63 ppb 90
15) Pyrene
8.095 202 579442 3762.06 ppb 86
18) Benzo[a]anthracene
9.287 228 549879 4216.98 ppb 89
19) Chrysene
9.327 228 509393 3955.84 ppb 88
21) Benzo[b]fluoranthene
10.452 252 540986 3987.38 ppb 90
22) Benzo(j,k)fluoranthene
10.481 252 532182 4075.96 ppb 91
23) Benzo[a]pyrene
10.794 252 501795 4091.59 ppb 90
24) Indeno(1,2,3-c,d)pyrene
12.239 278 522482 4280.80 ppb 84
26) Benzo[g,h,i]perylene
12.594 276 500449 4189.18 ppb 81 Target Compounds
2) Naphthalene Qvalue

^{(#) =} qualifier out of range (m) = manual integration (+) = signals summed

Data File : C0801011.D

Acq On : 1 Aug 2025 12:14 pm

Operator : JP

Sample : 5000 PPB ICAL Misc : SV7-010-15

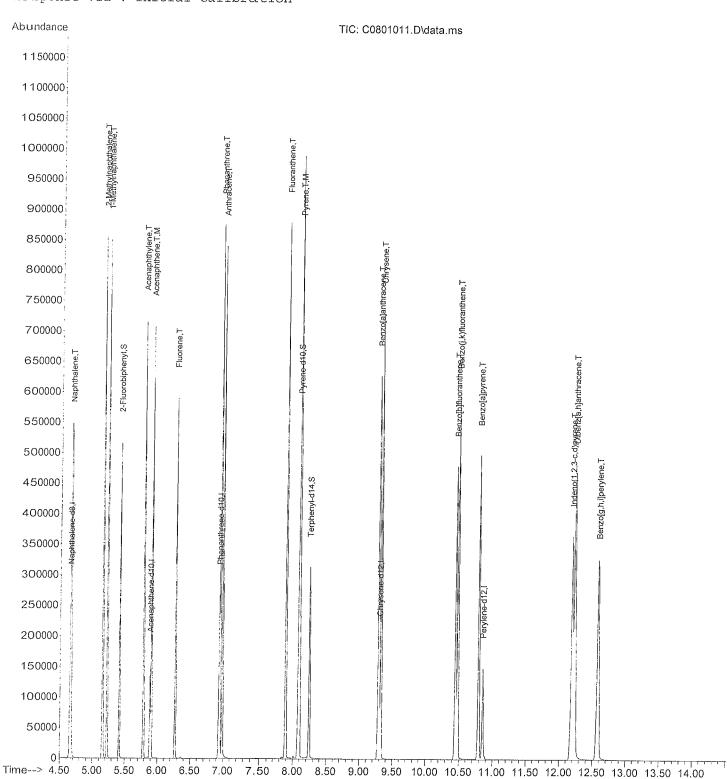
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 01 12:54:27 2025

Quant Method : C:\msdchem\1\METHODS\CS250801.M

Quant Title : PAH'S BY SIMS

QLast Update : Fri Aug 01 12:51:14 2025



Evaluate Continuing Calibration Report

Data Path : X:\semivols\Corey\DATA\C250801\

Data File : C0801012.D

Acq On : 1 Aug 2025 12:35 pm Operator : JP

Sample : ICV Misc : SV7-011-14

ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 01 12:54:48 2025

Quant Method : C:\msdchem\1\METHODS\CS250801.M

Ouant Title : PAH'S BY SIMS

QLast Update : Fri Aug 01 12:51:14 2025

Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min

Max. RRF Dev: 20% Max. Rel. Area: 200%

		Compound	Amount Calc.	%Dev Area% I	Dev(min)
2	I T T	Naphthalene-d8 Naphthalene 2-Methylnaphthalene 1-Methylnaphthalene	2000.000 2000.000 500.000 476.503 500.000 477.766 500.000 473.582	0.0 103 4.7 101 4.4 102 5.3 101	0.00 0.00 0.00 0.00
6 7	I S T T,M	Acenaphthene-d10 2-Fluorobiphenyl Acenaphthylene Acenaphthene	2000.000 2000.000 500.000 512.369 500.000 505.439 500.000 505.211	0.0 102 -2.5 100 -1.1 106 -1.0 104	0.00
10 11 12 13 14	T	Phenanthrene-d10 Pyrene-d10 Fluorene Phenanthrene Anthracene Fluoranthene Pyrene	2000.000 2000.000 500.000 459.554 500.000 482.951 500.000 468.650 500.000 456.452 500.000 484.124 500.000 468.759	0.0 103 8.1 98 3.4 102 6.3 101 8.7 96 3.2 103 6.2 100	3 0.00 0.00 0.00 0.00 0.00 0.00
16 17 18 19	S T	Chrysene-d12 Terphenyl-d14 Benzo[a]anthracene Chrysene	2000.000 2000.000 500.000 496.532 500.000 492.341 500.000 408.003	$ \begin{array}{cccc} 0.0 & 104 \\ 0.7 & 100 \\ 1.5 & 100 \\ 18.4 & 86 \end{array} $	0.00
20 21 22 23 24 25 26	T T T T	Perylene-d12 Benzo[b] fluoranthene Benzo(j,k) fluoranthene Benzo[a] pyrene Indeno(1,2,3-c,d) pyrene Dibenz[a,h] anthracene Benzo[g,h,i] perylene	2000.000 2000.000 500.000 491.360 500.000 469.212 500.000 480.885 500.000 457.455 500.000 496.426 500.000 479.520	0.0 103 1.7 101 6.2 102 3.8 101 8.5 97 0.7 104 4.1 101	3 0.00 0.00 0.00 0.00 0.00 0.00

^{(#) =} Out of Range

SPCC's out = 0 CCC's out = 0

Data File : C0801012.D

Acq On : 1 Aug 2025 12:35 pm Operator : JP

Sample : ICV

Misc : SV7-011-14 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 01 12:54:48 2025

Quant Method: C:\msdchem\1\METHODS\CS250801.M

Quant Title : PAH'S BY SIMS QLast Update : Fri Aug 01 12:51:14 2025 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units Dev	(Min)
Internal Standards					
1) Naphthalene-d8	4,645	136	215092	2000.00 ppb	0.00
5) Acenaphthene-d10	5.884	164	113215	2000.00 ppb	0.00
9) Phenanthrene-d10	6.931	188	200933	2000.00 ppb	0.00
16) Chrysene-d12	9.298	240	157247	2000.00 ppb	0.00
20) Perylene-d12	10.852	264	159293	2000.00 ppb	0.00
System Monitoring Compounds					
6) 2-Fluorobiphenyl	5.412	172	48755	512.37 ppb	0.00
Spiked Amount 1000.000	Range 25	- 89	Recove	= 51.24%	:
10) Pyrene-d10	8.076	212	47267	459.55 ppb	0.00
Spiked Amount 1000.000	Range 40	- 110	Recove	= 45.95	:
17) Terphenyl-d14	8.239		37648	496.53 ppb	0.00
Spiked Amount 1000.000	Range 39	- 92	Recove	ery = 49.65%	:
Target Compounds				Qv	alue
2) Naphthalene	4.660	128	58998	476.50 ppb	98
3) 2-Methylnaphthalene	5.156	142	42237	477.77 ppb	100
4) 1-Methylnaphthalene	5.226	142	38936	473.58 ppb	100
7) Acenaphthylene	5.784	152	62878	505.44 ppb	100
8) Acenaphthene	5.907	153	40438	505.21 ppb	100
11) Fluorene	6.270	166	46388	482.95 ppb	100
12) Phenanthrene	6.949	178	64545	468.65 ppb	95
13) Anthracene	6.983	178	61204	456.45 ppb	96
14) Fluoranthene	7.893	202	73124	484.12 ppb	93
15) Pyrene	8.095	202	72332	468.76 ppb	95
18) Benzo[a]anthracene	9.281	228	63997	492.34 ppb	94
19) Chrysene	9.321	228	51799	408.00 ppb	95
21) Benzo[b] fluoranthene	10.439	252	65347	491.36 ppb	97
22) Benzo(j,k)fluoranthene	10,468	252	60052	469.21 ppb	93
23) Benzo[a]pyrene	10.782	252	57810	480.89 ppb	95
24) Indeno(1,2,3-c,d)pyrene	12.177	276	56332	457.46 ppb	87
25) Dibenz[a,h]anthracene	12.216	278	59392	496.43 ppb	88
26) Benzo[g,h,i]perylene	12.563	276	56152	479.52 ppb	85

^{(#) =} qualifier out of range (m) = manual integration (+) = signals summed

Data File : C0801012.D

Acq On : 1 Aug 2025 12:35 pm

Operator : JP Sample : ICV

Misc : SV7-011-14

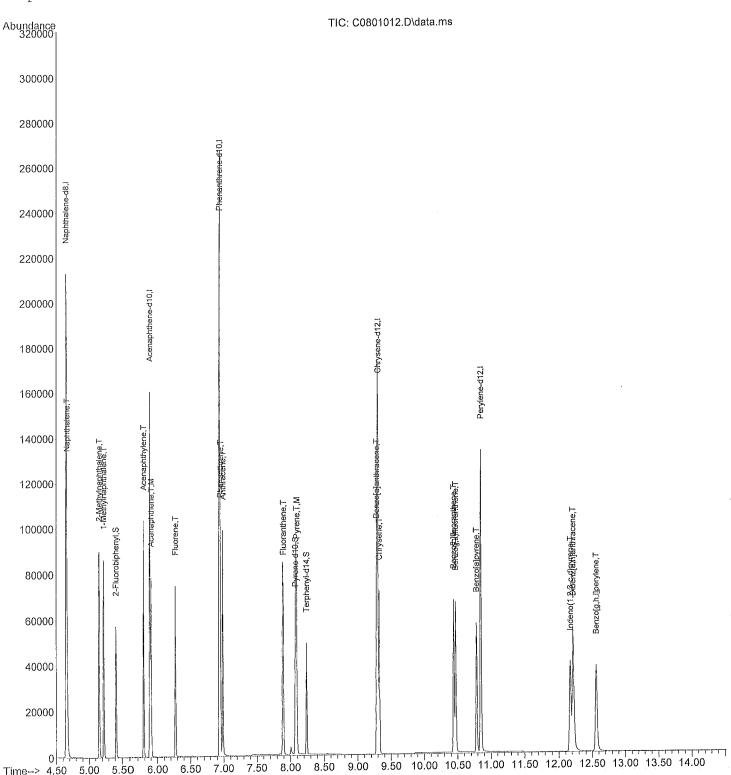
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 01 12:54:48 2025

Quant Method : C:\msdchem\1\METHODS\CS250801.M

Quant Title : PAH'S BY SIMS

QLast Update : Fri Aug 01 12:51:14 2025



Evaluate Continuing Calibration Report

Data Path : X:\semivols\Corey\DATA\C250815\

Data File : C0815002.D

Acq On : 15 Aug 2025 10:34 am

Operator : PB

Sample : PAH CCV0815-2 Misc : SV7-012-09

ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 15 11:24:03 2025

Quant Method : C:\MSDCHEM\1\METHODS\CS250801.M

Quant Title : PAH'S BY SIMS

QLast Update : Fri Aug 01 12:51:14 2025

Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min

Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	Amount Calc.	%Dev Area% Dev(min)
1 I	Naphthalene-d8	2000.000 2000.000	0.0 111 0.08
2 T	Naphthalene	500.000 479.011	4.2 110 0.08
3 T	2-Methylnaphthalene	500.000 447.907	10.4 103 0.07
4 T	1-Methylnaphthalene	500.000 466.545	6.7 107 0.07
5 I	Acenaphthene-d10	2000.000 2000.000	0.0 108 0.08
6 S	2-Fluorobiphenyl	500.000 475.639	4.9 98 0.07
7 T	Acenaphthylene	500.000 477.345	4.5 106 0.08
8 T,M	Acenaphthene	500.000 481.278	3.7 105 0.07
9 I	Phenanthrene-d10 Pyrene-d10 Fluorene Phenanthrene Anthracene Fluoranthene Pyrene	2000.000 2000.000	0.0 110 0.06
10 S		500.000 502.744	-0.5 114 0.07
11 T		500.000 476.125	4.8 107 0.07
12 T		500.000 473.227	5.4 109 0.06
13 T		500.000 486.364	2.7 109 0.06
14 T		500.000 481.994	3.6 110 0.06
15 T,M		500.000 483.616	3.3 111 0.06
16 I	Chrysene-d12	2000.000 2000.000	0.0 118 0.09
17 S	Terphenyl-d14	500.000 555.596	-11.1 128 0.07
18 T	Benzo[a]anthracene	500.000 477.833	4.4 111 0.09
19 T	Chrysene	500.000 472.216	5.6 113 0.09
20 I	Perylene-d12 Benzo[b]fluoranthene Benzo(j,k)fluoranthene Benzo[a]pyrene Indeno(1,2,3-c,d)pyrene Dibenz[a,h]anthracene Benzo[g,h,i]perylene	2000.000 2000.000	0.0 117 0.11
21 T		500.000 455.139	9.0 107 0.10
22 T		500.000 483.560	3.3 120 0.11
23 T		500.000 459.429	8.1 110 0.11
24 T		500.000 460.405	7.9 112 0.17
25 T		500.000 438.289	12.3 105 0.16
26 T		500.000 439.916	12.0 106 0.18

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Data Path : X:\semivols\Corey\DATA\C250815\

Data File : C0815002.D

Acq On : 15 Aug 2025 10:34 am Operator : PB

Sample : PAH CCV0815-2
Misc : SV7-012-09
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 15 11:24:03 2025

Quant Method : C:\MSDCHEM\1\METHODS\CS250801.M

Quant Title : PAH'S BY SIMS QLast Update : Fri Aug 01 12:51:14 2025

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units Dev(Min)	
Internal Standards 1) Naphthalene-d8 5) Acenaphthene-d10 9) Phenanthrene-d10 16) Chrysene-d12 20) Perylene-d12	4.589 5.824 6.867 9.211 10.760	136 164 188 240 264	232114 119474 214688 179339 181528	2000.00 ppb -0.0 2000.00 ppb -0.0 2000.00 ppb -0.0 2000.00 ppb -0.0 2000.00 ppb -0.0	6
System Monitoring Compounds 6) 2-Fluorobiphenyl Spiked Amount 1000.000 10) Pyrene-d10 Spiked Amount 1000.000 17) Terphenyl-d14 Spiked Amount 1000.000	8.001 Range 40 8.165	- 89 212 - 110	Recove 55249 Recove	ery = 47.56% 502.74 ppb -0.08 ery = 50.27% 555.60 ppb -0.07	
Target Compounds 2) Naphthalene 3) 2-Methylnaphthalene 4) 1-Methylnaphthalene 7) Acenaphthylene 8) Acenaphthene 11) Fluorene 12) Phenanthrene 13) Anthracene 14) Fluoranthene 15) Pyrene 18) Benzo[a]anthracene 19) Chrysene 21) Benzo[b]fluoranthene 22) Benzo(j,k)fluoranthene 23) Benzo[a]pyrene 24) Indeno(1,2,3-c,d)pyrene 25) Dibenz[a,h]anthracene 26) Benzo[g,h,i]perylene	4.604 5.091 5.161 5.724 5.840 6.202 6.879 6.919 7.809 8.011 9.199 9.234 10.353 10.383 10.696 12.053 12.084 12.431	128 142 142 152 153 166 178 178 202 202 228 252 252 252 276 278 276	64002 42731 41393 62666 40652 48863 69637 69679 77786 79733 70864 68374 68979 70527 62940 64609m 59756 58705	Qvalue 479.01 ppb 100 447.91 ppb 100 466.55 ppb 99 477.34 ppb 100 481.28 ppb 100 476.13 ppb 100 473.23 ppb 96 486.36 ppb 97 481.99 ppb 95 483.62 ppb 96 477.83 ppb 96 477.83 ppb 95 472.22 ppb 98 455.14 ppb 97 483.56 ppb 98 459.43 ppb 98 460.40 ppb 438.29 ppb 95 439.92 ppb 91	

^(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : X:\semivols\Corey\DATA\C250815\

Data File: C0815002.D

Acq On : 15 Aug 2025 10:34 am

Operator : PB

Sample : PAH CCV0815-2 Misc : SV7-012-09

ALS Vial : 2 Sample Multiplier: 1

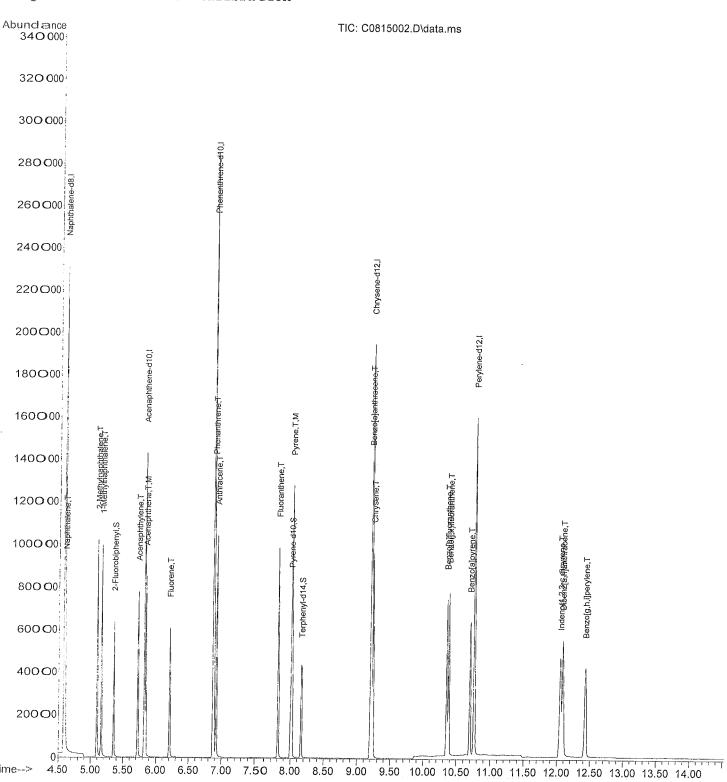
Quant Time: Aug 15 11:24:03 2025

Quant Method: C:\MSDCHEM\1\METHODS\CS250801.M

Quant Title : PAH'S BY SIMS

QLast Update : Fri Aug 01 12:51:14 2025

Response via: Initial Calibration



Data Path: X:\semivols\Corey\DATA\C250801\

Data File : C0801002.D

Acq On : 1 Aug 2025 8:59 am

Operator : JP
Sample : DFTPP
Misc : SV7-008-14

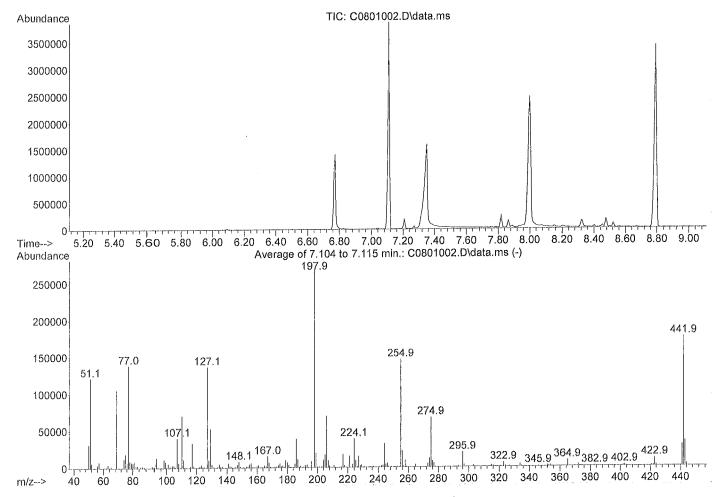
ALS Vial : 2 Sample Multiplier: 1

Integration File: rteint.p

Method : C:\msdchem\1\METHODS\CS250731.M

Title : PAH'S BY SIMS

Last Update : Fri Jul 18 08:39:56 2025



AutoFind: Scans 703, 704, 705; Background Corrected with Scan 697

Mass Mass Limit% Limit% Abn%	Abn	Pass/Fail
68 69 0.00 2 0.0 69 198 0.00 100 39.5 70 69 0.00 2 0.6 197 198 0.00 2 0.0 198 198 100 100 100.0 199 198 5 9 7.3 365 198 1 100 3.2 441 443 0.00 150 84.7 442 198 0.00 200 65.5 443 442 15 24 19.5	0 105953 666 0 268384 19508 8506 29032 175714 34277	PASS PASS PASS PASS PASS PASS PASS PASS

#1) % Low Criteria for Mass 441 is currently set to 0. The recommended Low % Criteria for DFTPP m/z 441 is 0.01. Select Tuner/Edit DFTPP Criteria to change % Low Criteria.

GC/MS QA-QC Check Report

Tune File: X:\semivols\Corey\DATA\C250801\C0801012.D

Tune Time : 1 Aug 2025 12:35 pm

Daily Calibration File : $X:\semivols\Corey\DATA\C250801\C0801012.D$

(PRY) (NPT) (ACE) (PHN) 215092 113215 200933

> (CRY) (PRY)

157247 159293

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(fail	s) -	fai	ls 12h	time	e che	eck * -	fails cri	lteria	

Created: Mon Sep 22 14:40:04 2025 Corey

Tune File : X:\semivols\Corey\DATA\C250815\C0815002.D

Tune Time : 15 Aug 2025 10:34 am

Daily Calibration File : X:\semivols\Corey\DATA\C250815\C0815002.D

	(PR	Υ)		(ACE)	
			232114	119474	214688
			(CRY)		
			179339	181528	
File Sample					
C0815003.D					
SB0815W1	70 9		224531	119876	216524
		184443			
C0815004.D					
SB0815W1 D	70 9	5 107*	221610	118476	213437
		182661			
C0815010.D					
MB0815W1 R			219291	116958	211160
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C0815025.D					
08-156-01				115890	209354
		179411	178109		
C0815026.D					
08-156-02			223298	120922	217174
		180456	179584		
C0815027.D					
08-156-03	59 84	89	220287	119154	214971
		182670	179932		

(fails) - fails 12hr time check * - fails criteria

Created: Mon Sep 22 14:41:07 2025 Corey

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Sequence Name: C:\msdchem\1\sequence\C250801.S
                                        Comment:
                                    Operator: JP
                                Data Path: C:\MSDCHEM\1\DATA\C250801\
Instrument Control Pre-Seq Cmd:
                                                                                  Pre-Seq Cmd:
Data Analysis
Instrument Control Post-Seq Cmd:
                                                                               Post-Seq Cmd:
Data Analysis
                                                                                                                                On A Barcode Mismatch
             Method Sections To Run
                   (X) Full Method (X) Inject Anyway () Reprocessing Only () Don't Inject
                 Aine Sample 1 C0801001 CSIMSCAN TEST
Sample 2 C0801002 CSIMSCAN DFTPP
Sample 3 C0801003 CS250801 10 PPB ICAL
Sample 4 C0801004 CS250801 20 PPB ICAL
Sample 5 C0801005 CS250801 50 PPB ICAL
Sample 6 C0801006 CS250801 100 PPB ICAL
Sample 7 C0801007 CS250801 100 PPB ICAL
Sample 8 C0801008 CS250801 100 PPB ICAL
Sample 9 C0801009 CS250801 100 PPB ICAL
Sample 10 C0801010 CS250801 100 PPB ICAL
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Sample 14 C0801011 CS250801 500 PPB ICAL
Sample 15 C0801012 CS250801 500 PPB ICAL
Sample 16 C0801010 CS250801 500 PPB ICAL
Sample 17 C0801011 CS250801 SB0801W1
Sample 18 C0801013 CS250801 SB0801W1
Sample 19 C0801013 CS250801 SB0801W1
Sample 16 C0801016 CS250801 SB0801W1
Sample 17 C0801017 CS250801 SB0801W1
Sample 18 C0801018 CS250801 SB073182
Sample 19 C0801019 CS250801 SB073182
Sample 20 C0801020 CS250801 BR0801W1
Sample 21 C0801011 CS250801 SB0801W1
Sample 22 C0801020 CS250801 SB073182
Sample 23 C0801020 CS250801 SB0801W1
Sample 24 C0801021 CS250801 SB0801W1
Sample 25 C0801022 CS250801 O7-375-02
Sample 26 C0801022 CS250801 O7-375-02
Sample 27 C0801021 CS250801 O7-375-02
Sample 28 C0801022 CS250801 O7-375-02
Sample 29 C0801029 CS250801 O7-375-02
Sample 29 C0801029 CS250801 O7-375-04
Sample 29 C0801029 CS250801 O7-375-00
Sample 20 C0801020 CS250801 O7-375-02
Sample 21 C0801021 CS250801 O7-375-02
Sample 22 C0801029 CS250801 O7-375-02
Sample 23 C0801030 CS250801 O7-309-05 REX
Sample 30 C0801030 CS250801 O7-309-05 REX
Sample 31 C0801031 CS250801 O7-309-05 REX
Sample 32 C0801032 CS250801 O7-309-05 REX
Sample 33 C0801033 CS250801 O7-309-01 REX SX
Sample 34 C0801034 CS250801 O7-309-02 REX SX
Sample 35 C0801035 CS250801 O7-309-02 REX SX
Sample 36 C0801036 CS250801 O7-309-01 REX SX
Sample 37 C0801037 CS250801 O7-309-02 REX SX
Sample 38 C0801038 CS250801 O7-309-02 REX SX
Sample 39 C0801039 CS250801 O7-309-02 REX SX
Sample 39 C0801039 CS250801 O7-324-06 20X
Sample 40 C0801044 CS250801 O7-324-06 20X
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45)	Sample	45 C08	01045 CS2	50801 07	-360-24 20	7.7	• •	
46)	Sample	46 C08	01046 CS2	50801 07	-311-07 20	JX	time, rerun	
47)	Sample	47 C08	01047 CS2	50801 07	-309-14 RI	3A 2021	11400)	
101	Sample	48 C08	01048 CS2	50801 07	-247-48 50	\sim xc		

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Sequence Name: C:\msdchem \1\sequence\C250815.S
                                   Comment:
                                Operator: PB
                            Data Path: C:\MSDCHEM \1\DATA\C250815\
   Instrument Control Pre-Seq Cmd:
   Data Analysis
                                                                      Pre-Seq Cmd:
  Instrument Control Post-Seq Cmd:
  Data Analysis Post-Seq Cmd:
             Method Sections To Run On A Barcode Mismatch
                   (X) Full Method
                  (X) Full Method
( ) Reprocessing Only
                                                                                                               (X) Inject Anyway
                                                                                                                  ( ) Don't Inject
  Line Sample Name/Misc Info

1) Sample 1 C08150 O1 CS250801 PAH CCV0815-1

2) Sample 2 C08150 O2 CS250801 PAH CCV0815-2

3) Sample 3 C08150 O3 CS250801 SB0815W1

4) Sample 4 C08150 O4 CS250801 SB0815W1 DUP

5) Sample 5 C08150 O5 CS250801 MB0815W1 DUP

5) Sample 6 C08150 O6 CS250801 MB0815W1 RR

7) Sample 7 C08150 O7 CS250801 MB0815S1

8) Sample 8 C08150 O8 CS250801 MB0815S1

9) Sample 9 C08150 O9 CS250801 MB0815S1

10) Sample 10 C08150 10 CS250801 MB0815S1

10) Sample 11 C08150 11 CS250801 MB0815S1

11) Sample 12 C08150 12 CS250801 MB0815S1

12) Sample 13 C08150 12 CS250801 MB0815W1 REX

11) Sample 14 C08150 11 CS250801 MB0815W1 REX

13) Sample 15 C08150 12 CS250801 MB-163-01

14) Sample 16 C08150 12 CS250801 08-163-02

13) Sample 17 C08150 17 CS250801 08-163-05

16) Sample 16 C08150 1.6 CS250801 08-163-05

16) Sample 17 C08150 1.7 CS250801 08-163-05

18) Sample 18 C08150 1.8 CS250801 08-163-07

18) Sample 19 C08150 1.9 CS250801 08-163-09

20) Sample 20 CC08150 20 CS250801 08-163-10

21) Sample 21 C08150 21 CS250801 08-163-10

22) Sample 22 C08150 22 CS250801 08-163-12

23) Sample 23 C08150 23 CS250801 08-163-12

24) Sample 24 C08150 24 CS250801 08-163-12

25) Sample 25 C08150 25 CS250801 08-156-01

26) Sample 27 C08150 27 CS250801 08-156-02

27) Sample 27 C08150 27 CS250801 08-156-03
            Line
                                                                                      Sample Name/Misc Info
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27 C081502 7 CS250801 08-156-03

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Sample



EPA 8270 EXTRACTION LOGBOOK

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Clean-up (L)Alumina

PROJECT NO. BOOK NO.

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	Www.rosteker	ircle Betelonio, PA 16823 Danger		1 1/4	HAME
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	B EXPIRE VVZUS State 10°C or colder 8 6270 Calibration Mx #5, Rewsed 2 2000 µg/m1, each im Methylene Chlonde	Receipt Date: Opened Date:			
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15	Renead DIN 05 RESTEK HOBerrer Circle Be 914853-1300	Molonto, PA 16823 Warning			X :
	Www.reslek.com GLOBI A0212865 Spyrre 05/200 Slore: 10°C or colder	&			
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and the second s	SUBJERMIN DEPLOY	20126 puc		OUN ppb Mech	36	8/6/25
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10 507003 OS	RESTEK ⇒ 31887	110 Bonner Circle Bellefonte, PA 16823 814-353-1300	Warning			
	Lol# A0213779	www.restek.com *C or colder	Receipt Date:			
	2 1000 µg/mL each in Melhylens Sonication required. Mix is pho	chlonde	Opened Date: Made in USA 1 ml.			- · · · · · · · · · · · · · · · · · · ·
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DAT Supp. A	11 /	→ 3183/ ☐ Lo# A021977 ☆ Expire: 06/209	9 Www.rostek.com 0 Store: 10°C or colder				
RESTER 10 Developed Below Fig. 100 Sept. RESTER 10 Developed Below Fig. 100 Warring Danger 10 Sept. 100 Sept. 10 Sept. 10 Sept. 10 Sept. 100		₹ 1000 µg/mL er Sonication req	och in Melhylene chloride Open ured. Mix is photosensitive. Made	ed Dale: in USA 1 ml.			
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14-33-120 16-3		V7005 14					613015
Receipt Date Solution in Methylane Chloride Solution in Methylane Chloride Solution in Receipt Date Solution Solution Date Date Date Date Date Date Date Date	J	(⇒ 31850	814-353-1300 www.restek.com 21014	Turning Danger			
Accustandard 125 Market St. New Havan, OT 08513 HIS HISS PARKET ST. New Havan, OT 08513 HIS		8270 Megu 500-1,000 Sonication	aMix® µg/mL each in Methylene Chloride required, Mix is photosensitive,	Receipt Date: Opened Date: Made in USA 4 mi			
S-15651 Custom SVOC and VOC Standard 1000 µg/mL in Methylene chloride Lot: 224111110 Exp: Dec 08, 2025 PRODUCT OF THE USA FOR LABORATORY USE ONLY PAH CLV VIOS 20 SVB 203 25 RAY CLV SVB 208 MA 200 pm 10 pm 10 pm 20	-/1/1				Production and		
Custom SVOC and VOC Standard 1000 µg/mL in Methylene chloride Lot: 22411110 Exp: Dec 08, 2025 PRODUCT OF THE USA FOR LABORATORY USE ONLY PAH CLV SV 7005 70 SV 7003 75 AH CLV SV 7005 22 SV 7003 25 BNA CLV SV 7005 23 SV 5208 14 200 pm 20120 pL SSIGNATURE Custom SVOC and VOC Standard Storage: Freeze (<-10 °C) FOR LABORATORY USE ONLY FOR LABORATORY USE ONLY FOR LABORATORY USE ONLY SW 200 pm LOUL 200 pL SOUPP LOUPP	= contour Stoly	The state of the s	uStandard" " " " " " " " " " " " " " " " " " "	H350 P338 P360 P331 P233 P262	3.20		
Exp: Dec 08, 2025 PRODUCT OF THE USA FOR LABORATORY USE ONLY PAH (LV SV 7005 20 SV 7003 25 U ppm 10 pl 200 pl 500 pl MeC 2 N 6/30/ BNA (LV SV 7005 22 50 7003 25 0 pm 110 pl 200 pl 500 pl MeC 2 7/1/2 BNA CLU SU 7005 23 506208 1/2 200 pm 20/20 pl 120 ppm 1/20 ppm	To account to the second secon	Custom SV 1000 µg/mL	. in Methylene chloride	P202 P264 Refer to SDS Signal Word:	i 3		
200 Sple 41		Exp: Dec 0	8, 2025 Storage: F	Freeze (<-10 °C) 🗸 🧸 🔾	P Nove Required		
PAH CCV SV7005 20 SV7003 25 10 ppm 10 pc 200 pc 500 pp MeC 2 DP 6/30/ BNA CCV SV7005 22 SV 7003 25 10 ppm 110 pc 200 pc 500 pp MeC 2 PB 7/11/2 BNA CCV SV7005 23 SV6208 14/19 200 ppm 20/20 pc 120 ppm 11/2 SSGNATURE DATE					` `		
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FAH CCV 5V7005 22 5V 7003 25 10 pm 1:10 ml 200 ml 500 ppb MeCla PB. 7/1/2 35 BNA CCV 5V7005 23 5V6208 11/2 200 ppm 20120 ml 1 20 ppm 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(H)	10/11/		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Mecla	70	6/2012
Work continued to Page Signature Date	(H)	(V7005)20 (V7003)25	10 ppm lone	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Mech	90	6/30/25
SIGNATURE	PAH CCV BNA CCV PAH CCV	5V700570 SV700375 21 SV62088/19 SV70052250700325	10 ppm 10 pc 20 ppm	200 _{pl} 500pp		JP 1 PB-	6/30/3
	PAHCUV BNACUV PAHCU BNACU	5V700570 5V700325 - 21 5V62088/19 5V70052250700325 5V70062350620814/19	10 ppm 10 pc 20/20pc 10 ppm 110 pmc	200pl 500pp 200pl 200ppn 200 pl	Mecla	1	
DATE WITNESS DATE	PAH CCV PAH CC	5V700570 5V700325 - 21 5V62088/19 5V70052250700325 5V70062350620814/19	10 ppm 10 pc 20/20pc 10 ppm 110 pmc	200pl 500pp 200pl 200ppn 200 pl	Mecla	nued to Page	
64	PAH CCV BNA CCV PAH CCV SIGNATURE	5V700520 SV700325 21 SV6208 Ma 5V700522 5U700325 5V400823 5V6208 112	10 ppm 10 mc 200 ppm 20120 mc 200 ppm 20120 mc	200pl 500pp 200pl 20ppn 200pl 500ppl	Mecla	nued to Page	

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	Ahalyte Lato 10	(0) 10	Conc	Vol	Vol	Conc	Solvent		Vatt
	PAH CLU SU7008 01	51700325	19pm	1044	200ml	SOUPPL	MeCh	W	7/16/23
	BNA 60 607008 67	5v67681/2	200ppn	60/60 ML	200ML	60 ppm	1		
1	$5 \mid 50 \mid 6$	<u> </u>		50/50 /		50 11			
	95 04			35/35		35			
	20 05			40,840	400pl	20			
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		5~700805	20pp	50		5			
1	0 2 08	<u> </u>		20		7			
	09			10					
	0,5 10			5		0.5			
	100 1	5/6/208/18/19	700pm	20/10 1		20 1			
	BUT CON SAMOR CJ		Dobby	20/20 UL	200 pc	20ppn	Mech	90	71173
15		5v 700325	10 ppn	10 m	L'	Scient			1
	11800L15		47387 EPA 8270 GC	-MS Tunina		EN Warning Suspected Harmful to aquatic life v		M.	DININ
		LRAD9051 2027-06-3	Solution certified reference ma			effects. Do not handie u precautions have been understood. IF exposed	ontil all safety read and		
		Epity Astr (YYYY AAA DO)	-			medical advice/ attention			
00		Show in the least and		ethylene chloride)					
20		Store at +2*C to +8*C	i. For P&D use only. Not for dru D. SDS available.	ay, notice that, or owner uses	\:/				5.71.719 411.1199
			Made in USA	ealdrich.com	SIGMA A Sigma A	NLDRICH, Co., 3050 Sprice Street, St. Le Nation Chemie Gribli, Kappelweg 1, 910	xxs, MO 63103 USA +1-314-771-5765 25 Schneldorf, Germany, +40 7850 8800		A CALA A CARACTER AND
	A	**************************************	sigm	laaturich.com to				/	oversom distance of deals
1000	DIH CLY STUDE E	5 50 106325	10pm	10 44	200 ML	Soonst	/g	J)	7/18/25
25		5 5v6208 1/2	200 pm	20/20 pl	11	2010			
	BM-CCV 5V7008 1	7 506 208 18/19	Peury	70/20 ML	200 ML	Dogen	Mech	10	7/2/125
j	PAH 547008 1	6 50700375	lupon	10 ($ \mathcal{T}_i $	Sovert			
	MH CCU SUROBIA	50 7cm 82.5	lo ppon	logic	200 pc	90000	Melle	P.B.	7122125
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30	1000		1			_ "	Mech	SI	7/23/25
	PAH CEV 647008 2	V	10000	10 _m L	1	500 pp			Chromosoffe
	PAH CC SU70082		lopen	Opt	200 ML	Souper	MeCh	JN 1	7/24/25
	BNH CLU I 20	1 506 208112	200 pm	2012 OM		20 ppm			
	BNA UV 50700825		2 crypy	20/20 min	20014	20pm	Mech	JP	7/25/25
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	10/10	200 pt 500 pt	1/1ec/2 UP 7/28/25
	20/20	1 1000	
10 340 08	40140	2000	
1 400 T 00 1	60/60	300	
	80/80	4000	
	70/10	1000	
PAH CLV SUDDION	10	- 500 L	
# 15 KNAN / / / / / / / / / / / / / / / / / /	10 ML	200pm Soverb	30 7/29/25
14H 16V 14 6 47 0/11 1871 P1	m rollo	1 2000	1 1 1 7 7
	(v)	500 196	
1000 po 1010 15 50 00375 10gg/	1 500 ML	1m2 500 gpb	
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DINT UN I DY KARAN DOWN	120120ml		7/30/3
PAH Sian 5V7010 25 RESTER \$31887	110 Berner Circle Dates	12 29em	
1 Lot# A0213779 15 Expire 1932700	110 Benner Circle Beleforte, PA: 814-353-3300 www.reslek.com Store: 10°C or colder	16923 Warning	
d Revised BM Suno 2 1000 µgml each	gale Mix n Melhylene chloride	Receipt Date:	
DM ((6,000,001)	Mx is photosensitive for the chemical is provided on the outside packs	Made in USA 1 mL ge For Leboratory Use Only	**************************************
		ione lorin A	relone
50761027 Sv6708 849 2008pm	70120ml	11/04/11	Aech_
35	ME CONTRACTOR SET SET CONTRACTOR SET		11/2/1/2/11
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BI ADDITION BI	DATE	WITNESS	DATE 66
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्री 8270 MegaMix® ⊋ 500-1,000 µg/mL each in Melhylene Chloride	20/20 ps 20/2 2	PRPM CO ppm OUppto L Ouppon	SP 8/11/3
S-15651 Custom SVOC and VOC Star 1000 µg/mL in Methylene child Lot: 22411110 Exp: Dec 08, 2025 PRODUCT OF THE USA 3 270501641 24 SV701125 SV700325 IQpm 24 SV6208 IL 200pm 25 SV6208 IL 200pm 26 SV6208 IL 200pm 27 SV6208 IL 200pm 27 SV6208 IL 200pm 28 SV6208 IL 200pm 29 SV6208 IL 200pm 20 SV6208 IL 200pm 21 SV6208 IL 200pm 21 SV6208 IL 200pm 22 SV6208 IL 200pm 23 SV6208 IL 200pm 24 SV6208 IL 200pm 25 SV6208 IL 200pm 26 SV6208 IL 200pm 27 SV6208 IL 200pm 27 SV6208 IL 200pm 27 SV6208 IL 200pm 28 SV6208 IL 200pm 28 SV6208 IL 200pm 28 SV6208 IL 200pm 29 SV6208 IL 200pm 20 SV6208 IL	d on the outside package I mil. 125 Market SI, New Haven, GT 05513 H3 1 mil. 125 Market SI, New Haven, GT 05513 Www.Accustandard.com H3 1 mil. Package Storage Freeze (<-10 °C) FOR LABORATORY USE ONLY 20 pm. 50 pm.	15 H335	Wed to Page DATE 67

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Malyle Late 17 Stock Co	W Voi	Vul Carc	Solvent Init late
PAH CCV SV701201 SV700325 10	ppm 10 mc	200 pl 500 pp	Me CID PB 8/8/25
LANCE BUTCHELLIST AND CONTROL OF		200 pc 500 ps	
DAN CC 30401203 3V605 18/4 20C	opm Eoleval	200 pc 20 ppm	Mec12 P.B. 811/2
14/4 CCO 30 101207 30 700325 10	pm bps	wo are soops	
BNA CCV SV701205 36208 18/11 200	oppor zoloon L	200 pt room	
14 HCW 2701206/51700325 10	ppm to us	500 ps	mech PB 1 1 8 lister
DNA CCV 24 +020 + SUGAR 18/10 72	0 1 20/10 1	1 20 pm	
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		and last	1 1 811512
BNA COU SUPORIO I		la la	1 1 81812
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2000 17	roles on	1000	
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1 DCV 1 20 SN 7807 9/16	20/20 mi	4000	•
Off ca Sv 7012 21 Sv 7007 7/60	20/20 46	d loco of	- 4 4
FANT CCU SU 701222 SV 700325 1000		100pl 500 grb	1 00 01
23 RSWA CCV SV701223 SV6253 1811 200 0		100pl 80ps	Mecle P.B. 8/20/20
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Total Metals EPA 200.8 Data

Dataset Report

User Name: kmckinney

Computer Name: DESKTOP-RIRVUDN

Dataset File Path: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\

Report Date/Time: Tuesday, August 19, 2025 12:13:47

The Dataset

Read Type Date and Time Sample ID Batch ID SmartTune - [¶STD/KED] Nebulizer (07:08:06 Tue 19-ASample SmartTune - [{STD/KED] Nebulizer (07:09:16 Tue 19-ASample 07:11:50 Tue 19-ASample SmartTune - GQID 07:13:58 Tue 19-ASample SmartTune - CQID 07:16:08 Tue 19-ASample SmartTune - CQID SmartTune - Mass Calibration and F07:19:25 Tue 19-ASample SmartTune - [{STD] Performance Cl07:20:09 Tue 19-ASample SmartTune - [(STD] Performance Cl07:23:28 Tue 19-ASample 07:30:55 Tue 19-ASample Sample 07:35:06 Tue 19-ASample Sample 07:39:17 Tue 19-ASample Sample 07:43:27 Tue 19-ABlank Blank 07:46:47 Tue 19-AStandard #1 Standard 1 07:50:08 Tue 19-AStandard #2 Standard 2 07:53:28 Tue 19-AStandard #3 Standard 3 07:56:49 Tue 19-AStandard #4 Standard 4 08:00:09 Tue 19-AStandard #5 Standard 5 08:03:30 Tue 19-AStandard #6 Standard 6 08:06:50 Tue 19-A Standard #7 Standard 7 08:11:00 Tue 19-AQC Std #1 QC Std 1 08:15:11 Tue 19-AQC Std #2 QC Std 2 SmartTune - EDual Detector Calibrati08:17:17 Tue 19-ASample SmartTune - CDual Detector Calibrati08:17:26 Tue 19-ASample 08:29:27 Tue 19-ASample QC Std 2 08:33:38 Tue 19-AQC Std #6 QC Std 6 08:37:48 Tue 19-AQC Std #7 QC Std 7 08:41:58 Tue 19-AQC Std #8 QC Std 8 08:51:09 Tue 19-ASample MB0819WM1 2X 08:55:19 Tue 19-A Sample SB0819WM1 2X 09:00:29 Tue 19-A Sample 08-183-10b 2X 09:04:39 Tue 19-ASample 08-183-10b D 2X 09:08:49 Tue 19-ASample 08-183-10b L 10X 09:12:58 Tue 19-ASample 08-183-10b MS 2X 08-183-10b MSD 2X 09:17:08 Tue 19-A Sample 09:21:19 Tue 19-A Sample 08-183-10b PS 2X 09:25:30 Tue 19-ASample 08-131-01 2X 09:29:39 Tue 19-ASample 08-131-02 2X 09:33:49 Tue 19-AQC Std #6 QC Std 6 09:37:59 Tue 19-AQC Std #7 OC Std 7 09:42:10 Tue 19-AQC Std #8 QC Std 8 09:48:39 Tue 19-ASample 08-131-03 2X 09:52:49 Tue 19-A Sample 08-136-01c 2X 09:56:58 Tue 19-ASample 08-136-02c 2X 10:01:08 Tue 19-ASample 08-136-03c 2X 10:05:17 Tue 19-ASample 08-136-04c 2X 10:09:26 Tue 19-ASample 08-136-05c 2X 10:13:34 Tue 19-ASample 08-136-06c 2X 10:17:43 Tue 19-A Sample MB0819D1 2X 10:21:52 Tue 19-A Sample SB0819D1 2X 10:27:43 Tue 19-A Sample

08-136-01d 2X

Description Samp. File Name C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819 C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819 C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y25081{ C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y25081{ C:\Users\Public\Documents\PerkInElmer Syngistix\ICPMS\DataSet\Y25081{ C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819 C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819 C:\Users\Public\Documents\PerkInElmer Syngistix\ICPMS\DataSet\Y250819 C:\Users\Public\Documents\PerkinElmer Synglstix\ICPMS\DataSet\Y25081 C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y25081 C:\Users\Public\Documents\PerkinElmer Syngistlx\ICPMS\DataSet\Y25081 C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y25081 C:\Users\Public\Documents\PerkinElmer Synglstix\ICPMS\DataSet\Y25081 C:\Users\Public\Documents\PerkinElmer Synglstix\ICPMS\DataSet\Y25081 C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y25081 gistix\ICPMS\DataSet\Y25081 C:\Users\Public\DocumDual Cal. Blank gistix\ICPMS\DataSet\Y25081 C:\Users\Public\DocumDual Calibration C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y2508 C:\Users\Public\Documents\PerkinElmer Syngletix\ICPMS\DataSet\Y2508 C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y2508 C:\Users\Public\Documents\PerkinEimer Syngistix\ICPMS\DataSet\Y2508 C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y2508 C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y2508 C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y2508 .C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y2508 C:\Users\Public\Documents\PerkinElmer Synglstix\ICPMS\DataSet\Y2508 C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250{ C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y2500 C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250 C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250 C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250 C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250 C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250 C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250 C:\Users\Public\Documents\PerkinElmer Synglstix\ICPMS\DataSet\Y250 C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250 C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250 C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250

8-19-28

70 Page 1

QC Std 6	10:31:54 Tue 19-AQC Std #6
QC Std 7	10:36:O4 Tue 19-AQC Std #7
QC Std 8	10:40:15 Tue 19-AQC Std #8
08-136-01d D 2X	10:45:15 Tue 19-ASample
08-136-01d L 10X	10:49:26 Tue 19-ASample
08-136-01d MS 2X	10:53:35 Tue 19-ASample
08-136-01d MSD 2X	10:57:43 Tue 19-A Sample
08-136-02d 2X	11:01:52 Tue 19-ASample
08-136-03d 2X	11:06:01 Tue 19-ASample
08-136-04d 2X	11:10:11 Tue 19-ASample
08-136-05d 2X	11:14:19 Tue 19-ASample
08-136-06d 2X	11:18:28 Tue 19-ASample
08-139-01c 2X WM I	11:22:36 Tue 19-ASample
QC Std 6	11:26:45 Tue 19-AQC Std #6
QC Std 7	11:30:56 Tue 19-AQC Std #7
QC Std 8	11:35:06 Tue 19-AQC Std #8
08-156-01d 10X D1	11:38:26 Tue 19-A Sample
08-156-02d 10X	11:42:36 Tue 19-ASample
08-156-03d 10X	11:46:45 Tue 19-ASample
08-156-01c 10X WM	11:50:54 Tue 19-ASample
08-156-02c 10X	11:55:03 Tue 19-ASample
08-156-03c 10X 👢	11:59:12 Tue 19-ASample
QC Std 6	12:03:22 Tue 19-AQC Std #6
QC Std 7	12:07:32 Tue 19-AQC Std #7
QC Std 8	12:11:42 Tue 19-AQC Std #8

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Page 2 71

SmartTune Wizard - Details

Optimization Details

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\SmartTune Daily.swz

Optimization Status

Start Time: 8/19/2025 7:19:25 AM

Mass Calibration and Resolution Optimization Settings:

Method: Optimizations\Tuning.mth.

MassCal File: Default.tun

Iterations: 6

Target accuracy (+/- amu): 0.05 for Mass Cal. and 0.03 for Resolution

Peak height (%) for Res. Opt.: 10

Optimization Results:

Initial Try

Target/Obtained mass (7.016/7.025), Target/Obtained resolution (0.7/0.692) Target/Obtained mass (23.985/23.975), Target/Obtained resolution (0.7/0.694) Target/Obtained mass (114.904/114.875), Target/Obtained resolution (0.7/0.695) Target/Obtained mass (207.977/207.975), Target/Obtained resolution (0.7/0.717) Target/Obtained mass (238.05/238.025), Target/Obtained resolution (0.7/0.716)

[Passed] Optimum value(s): N/A

End Time: 8/19/2025 7:19:54 AM

Performance Check Report

Sample ID: [STD] Performance Check

Sample Date/Time: Tuesday, August 19, 2025 07:23:28

Sample Description:

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\\Optimizations\STD Performance Check.mth Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\[STD] Performance Check.008

MassCal File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun Conditions File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac

Dual Detector Mode: Pulse Acq. Dead Time (ns): 35 Current Dead Time (ns): 35 Torch Z position (mm): 0.00

Summary

IS	Analyte	Mass	Meas. Intens. Mean	Net Intens. Mean	Net Intens. SD	Net Intens. RSD	Mode
	Li	7.0	55632.3	55632.316	327.444	0.6	Standard
	In	114.9	321629.4	321629.428	477.688	0.1	Standard
	U	238.1	316445.6	316445.592	1016.016	0.3	Standard
Ce	CeO	155.9	8121.8	0.024	0.000	0.7	Standard
Ce	Ce++	70.0	8268.5	0.024	0.000	1.9	Standard
	Bkgd	220.5	0.4	0.367	0.361	98.5	Standard
	Ce	139.9	341987.2	341987.154	2755.325	8.0	Standard

Current Conditions File Data

Current Value	Description
-100.00	Standard - OmniRing Park Voltage
4.00	Standard - Hyperskimmer Park Voltage
0.99	Standard - Nebulizer Gas Flow STD/KED [NEB]
1.20	Standard - Auxiliary Gas Flow
15.00	Standard - Plasma Gas Flow
0.00	Standard - Oxygen Gas Flow
-10.00	Standard - QID Fixed Voltage
1600.00	Standard - ICP RF Power
-1825.00	Standard - Analog Stage
1500.00	Standard - Pulse Stage
0.00	Standard - Q1 Rod Offset STD [QRO]
-12.00	Standard - Cell Rod Offset STD [CRO]
-8.00	
0.00	Standard - Axiai Field Voltage
5.00	Ammonia DRC - OmniRing Park Voltage
-9.50	Ammonia DRC - DRC Mode QRO
-2.50	Ammonia DRC - DRC Mode CRO
-7.00	Ammonia DRC - DRC Mode Cell Entrance/Exit Voltage
250.00	Ammonia DRC - Axial Field Voltage
0.60	Ammonia DRC - Cell Gas A
2.00	Ammonia DRC - Hyperskimmer Park Voltage
0.99	Ammonia DRC - DRC Mode NEB
5.00	Helium KED - OmniRing Park Voltage
2.00	Helium KED - Hyperskimmer Park Voltage
-12.00	Helium KED - KED Mode QRO
-15.00	Helium KED - KED Mode CRO
-4.00	Helium KED - KED Mode Cell Entrance Voltage
-32.00	Helium KED - KED Mode Cell Exit Voltage
475.00	Helium KED - KED Mode Axial Field Voltage

SmartTune Wizard - Details

Optimization Details SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\SmartTune Daily.swz Optimization Status Start Time: 8/19/2025 7:23:28 AM [STD] Performance Check Optimization Settings: Method: \Optimizations\STD Performance Check.mth. Intensity Criterion: Li 7 > 55000 Intensity Criterion: In 115 > 300000 Intensity Criterion: U 238 > 225000 Intensity Criterion: Bkgd 220.5 <= 5</pre> Formula Criterion: $Ce++70 \div Ce 140 <= 0.03$ Formula Criterion: CeO 156 ÷ Ce 140 <= 0.025 RSD Criterion: Li 7.016 < 0.05RSD Criterion: In 114.904 < 0.05 RSD Criterion: U 238.05 < 0.05 Optimization Results: Initial Try Obtained Intensity (Li 7): 55632.32 Obtained Intensity (In 115): 321629.43 Obtained Intensity (U 238): 316445.59 Obtained Intensity (Bkgd 220.5): 0.37 Obtained Formula (Ce++ 70 \div Ce 140): 0.024 (=8268.46 \div 341987.15) Obtained Formula (CeO 156 ÷ Ce 140): 0.024 (=8121.84 ÷ 341987.15) Obtained RSD (Li 7): 0.0059 Obtained RSD (In 115): 0.0015 Obtained RSD (U 238): 0.0032

[Passed] Optimum value(s): N/A

End Time: 8/19/2025 7:25:33 AM

Quantitative Analysis Calibration Report

File Name: File Path:

Calibration Type: External Calibration

		_	-		0
Analyte	Mass	Curve Type	Slope	Intercept	Corr. Coeff.
Ni -1	59.933	Weighted Linear	0.01	0.00	0.999278
As	74.922	Weighted Linear	0.01	-0.00	0.999382
As-1	74.922	Weighted Linear	0.01	0.00	0.999485
Se	76,920	Weighted Linear	0.00	0.00	0.999501
Se -1	77.917	Weighted Linear	0.00	-0.00	0.998451
Br	78.918	Weighted Linear	0.00	0.00	0.000000
Se -2	81.917	Weighted Linear	0.00	0.00	0.999596
Kr	82.914	Weighted Linear	0.00	0.00	0.000000
Но	164.930	Weighted Linear	0.00	0.00	0.000000
Pb	207.977	Weighted Linear	0.06	-0.00	0.999621
Ві	208.980	Weighted Linear	0.00	0.00	0.000000
Th	232.038	Weighted Linear	0.00	0.00	0.000000
Ni -3	57.935	Weighted Linear	0.10	0.00	0.999437
Ni -4	59,933	Weighted Linear	0.04	0.00	0.999259
Ni -5	61.928	Weighted Linear	0.01	0.00	0.999178
As-2	74.922	Weighted Linear	0.01	0.00	0.999354
Y-1	88.905	Weighted Linear	0.00	0.00	0.000000
Rh-1	102.905	Weighted Linear	0.00	0.00	0.000000
Ge	71,922	Linear Thru Zero	0.00	0.00	0.000000
Tb	158.925	Linear Thru Zero	0.00	0.00	0.000000
Ge-1	71.922	Linear Thru Zero	0.00	0.00	0.000000

Report Date/Time: Monday, September 22, 2025 14:41:14 Page 1

76

Sample ID: Blank

Sample Date/Time: Tuesday, August 19, 2025 07:43:27 Report Date/Time: Tuesday, August 19, 2025 08:27:16

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\Blank.012

Results (Mean Data)

			1,000		, OLD	nen	Linite	Blank Intens.	Mode
Analyte	Mass	Intensity	RSD	Conc.	20	KOD		Didilik interior	Standard
Ni -1	60	161.7							Standard
As	75	13407.0					-		Standard
As-1	75	-163.2							Standard
Se	77	118.3							Standard
Se -1	78	13606.5							Standard
Br	79								Standard
Se -2	82								Standard
Kr	83								Standard
Ho	165								Standard
Pb	208								Standard
Bl	209								Standard
Th	232								KED
Ni -3									KED
NI -4									KED
NI -5									KED
As-2									KED
Y-1									KED
Rh-1									Standard
Ge									Standard
Tb	159								KED
Ge-1	72	99798.7	0.7				cp/		
	NI -1 As As-1 Se Se -1 Br Se -2 Kr Ho Pb Bl Th NI -3 NI -4 NI -5 As-2 Y-1 Rh-1 Ge Tb	As 75 As-1 75 Se 77 Se -1 78 Br 79 Se -2 82 Kr 83 Ho 165 Pb 208 Bl 209 Th 232 Ni -3 58 Ni -4 60 Ni -5 62 As-2 75 Y-1 89 Rh-1 103 Ge 72 Tb 159	Ni -1 60 161.7 As 75 13407.0 As -1 75 -163.2 Se 77 118.3 Se -1 78 13606.5 Br 79 469.7 Se -2 82 34.3 Kr 83 34.0 Ho 165 745953.5 Pb 208 989.7 Bl 209 414898.3 Th 232 510162.7 Ni -3 58 242.0 Ni -4 60 99.7 Ni -5 62 19.3 As -2 75 3.3 Y-1 89 98389.3 Rh -1 103 118370.1 Ge 72 720114.9 Tb 159 850893.4	Ni -1 60 161.7 7.5 As 75 13407.0 1.8 As-1 75 -163.2 13.9 Se 77 118.3 1.8 Se -1 78 13606.5 2.0 Br 79 469.7 4.2 Se -2 82 34.3 11.0 Kr 83 34.0 30.7 Ho 165 745953.5 0.6 Pb 208 989.7 1.3 Bi 209 414898.3 1.3 Th 232 510162.7 0.5 Ni -3 58 242.0 10.6 Ni -4 60 99.7 4.7 Ni -5 62 19.3 16.6 As-2 75 3.3 62.4 Y-1 89 98389.3 0.3 Rh-1 103 118370.1 0.9 Ge 72 720114.9 3.3 Tb 159 850893.4 1.4	Ni -1 60 161.7 7.5 As 75 13407.0 1.8 As-1 75 -163.2 13.9 Se 77 118.3 1.8 Se -1 78 13606.5 2.0 Br 79 469.7 4.2 Se -2 82 34.3 11.0 Kr 83 34.0 30.7 Ho 165 745953.5 0.6 Pb 208 989.7 1.3 Bi 209 414898.3 1.3 Th 232 510162.7 0.5 Ni -3 58 242.0 10.6 Ni -4 60 99.7 4.7 Ni -5 62 19.3 16.6 As-2 75 3.3 62.4 Y-1 89 98389.3 0.3 Rh-1 103 118370.1 0.9 Ge 72 720114.9 3.3 Tb 159 850893.4 1.4	Ni -1 60 161.7 7.5 As 75 13407.0 1.8 As-1 75 -163.2 13.9 Se 77 118.3 1.8 Se -1 78 13606.5 2.0 Br 79 469.7 4.2 Se -2 82 34.3 11.0 Kr 83 34.0 30.7 Ho 165 745953.5 0.6 Pb 208 989.7 1.3 Bl 209 414898.3 1.3 Th 232 510162.7 0.5 Ni -3 58 242.0 10.6 Ni -4 60 99.7 4.7 Ni -5 62 19.3 16.6 As-2 75 3.3 62.4 Y-1 89 98389.3 0.3 Rh-1 103 118370.1 0.9 Ge 72 720114.9 3.3 Tb 159 850893.4 1.4	Analyte Mass Intensity RSD Ni -1 60 161.7 7.5 As 75 13407.0 1.8 As-1 75 -163.2 13.9 Se 77 118.3 1.8 Se -1 78 13606.5 2.0 Br 79 469.7 4.2 Se -2 82 34.3 11.0 Kr 83 34.0 30.7 Ho 165 745953.5 0.6 Pb 208 989.7 1.3 Bl 209 414898.3 1.3 Th 232 510162.7 0.5 Ni -3 58 242.0 10.6 Ni -4 60 99.7 4.7 Ni -5 62 19.3 16.6 As-2 75 3.3 62.4 Y-1 89 98389.3 0.3 Rh-1 103 118370.1 0.9 Ge 72 720114.9 3.3 Tb 159 850893.4 1.4 <th>Analyte Mass Intensity RSD Gold Ni -1 60 161.7 7.5 ug/L As 75 13407.0 1.8 ug/L As-1 75 -163.2 13.9 ug/L Se 77 118.3 1.8 ug/L Se -1 78 13606.5 2.0 ug/L Br 79 469.7 4.2 ug/L Se -2 82 34.3 11.0 ug/L Kr 83 34.0 30.7 ug/L Ho 165 745953.5 0.6 ug/L Pb 208 989.7 1.3 ug/L Bl 209 414898.3 1.3 ug/L Th 232 510162.7 0.5 ug/L Ni -3 58 242.0 10.6 ug/L Ni -4 60 99.7 4.7 ug/L Ni -5 62 19.3 16.6 ug/L As-2 75 3.3 62.4 ug/L Y-1 89<th>Analyte Mass Intensity RSD Golfe. Ni -1 60 161.7 7.5 ug/L As 75 13407.0 1.8 ug/L As-1 75 -163.2 13.9 ug/L Se 77 118.3 1.8 ug/L Se -1 78 13606.5 2.0 ug/L Br 79 469.7 4.2 ug/L Se -2 82 34.3 11.0 ug/L Kr 83 34.0 30.7 ug/L Ho 165 745953.5 0.6 ug/L Pb 208 989.7 1.3 ug/L Bl 209 414898.3 1.3 ug/L Th 232 510162.7 0.5 ug/L Ni -3 58 242.0 10.6 ug/L Ni -4 60 99.7 4.7 ug/L Ni -5 62 19.3 16.6 ug/L</th></th>	Analyte Mass Intensity RSD Gold Ni -1 60 161.7 7.5 ug/L As 75 13407.0 1.8 ug/L As-1 75 -163.2 13.9 ug/L Se 77 118.3 1.8 ug/L Se -1 78 13606.5 2.0 ug/L Br 79 469.7 4.2 ug/L Se -2 82 34.3 11.0 ug/L Kr 83 34.0 30.7 ug/L Ho 165 745953.5 0.6 ug/L Pb 208 989.7 1.3 ug/L Bl 209 414898.3 1.3 ug/L Th 232 510162.7 0.5 ug/L Ni -3 58 242.0 10.6 ug/L Ni -4 60 99.7 4.7 ug/L Ni -5 62 19.3 16.6 ug/L As-2 75 3.3 62.4 ug/L Y-1 89 <th>Analyte Mass Intensity RSD Golfe. Ni -1 60 161.7 7.5 ug/L As 75 13407.0 1.8 ug/L As-1 75 -163.2 13.9 ug/L Se 77 118.3 1.8 ug/L Se -1 78 13606.5 2.0 ug/L Br 79 469.7 4.2 ug/L Se -2 82 34.3 11.0 ug/L Kr 83 34.0 30.7 ug/L Ho 165 745953.5 0.6 ug/L Pb 208 989.7 1.3 ug/L Bl 209 414898.3 1.3 ug/L Th 232 510162.7 0.5 ug/L Ni -3 58 242.0 10.6 ug/L Ni -4 60 99.7 4.7 ug/L Ni -5 62 19.3 16.6 ug/L</th>	Analyte Mass Intensity RSD Golfe. Ni -1 60 161.7 7.5 ug/L As 75 13407.0 1.8 ug/L As-1 75 -163.2 13.9 ug/L Se 77 118.3 1.8 ug/L Se -1 78 13606.5 2.0 ug/L Br 79 469.7 4.2 ug/L Se -2 82 34.3 11.0 ug/L Kr 83 34.0 30.7 ug/L Ho 165 745953.5 0.6 ug/L Pb 208 989.7 1.3 ug/L Bl 209 414898.3 1.3 ug/L Th 232 510162.7 0.5 ug/L Ni -3 58 242.0 10.6 ug/L Ni -4 60 99.7 4.7 ug/L Ni -5 62 19.3 16.6 ug/L

QC Calculated Va	lues			
Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
	NI -1	60		
	As	75		
	As-1	75		
i	Se	77		
	Se -1	78		
İ	Br	79		
	Se -2	82		
1	Kr	83		
	Но	165		
	Pb	208		
j	Bi	209		
	Th	232		
	Ni -3	58		
j	Ni -4	60		
i	Ni -5	62		
	As-2	75		
•	Y~1	89		
	Rh-1	103		
>	Ge	72		
>	Tb	159		
>	Ge-1	72		

Sample ID: Standard 1

Sample Date/Time: Tuesday, August 19, 2025 07:46:47 Report Date/Time: Tuesday, August 19, 2025 08:27:17

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Synglstix\ICPMS\DataSet\Y250819A\Standard 1.013

Results (Mean Data)

					Salto (modil		RSD	Units	Blank Intens.	Mode
IS	Analyte	Mass	Intensity	RSD	Conc.	SD	NOD	ug/L	162	Standard
1	Ni -1	60	1566.8	2.2				ug/L	13407	Standard
i	As	75	13988.8	0.8				ug/L	-163	Standard
i	As-1	75	696.4	5.4				ug/L	118	Standard
j	Se	77	177.0	3.5				ug/L	13606	Standard
į	Se -1	78	13507.4	0.7				ug/L	470	Standard
İ	Br	79	504.0	6.7				ug/L	34	Standard
İ	Se -2	82	104.3	19.0				ug/L	34	Standard
	Kr	83	29.7	12.8				ug/L	745954	Standard
	Но	165	817085.0	0.7	0.4024	0.001	0.4	ug/L	990	Standard
	Pb	208	11473.4	0.8	0.1931	0,001	0. 1	ug/L	414898	Standard
	Bl	209	457844.7	0.2				ug/L	510163	Standard
	Th	232	580714.0	1.1	0.4454	0.002	1.6	ug/L	242	KED
- 1	NI -3	58	2306.6	0.8	0.1451	0,002	4.6	ug/L	100	KED
	NI -4	60	981.0	2.5	0.1243	0,005	10.6	ug/L	19	KED
1	Ni -5	62	154.3	6.1	0.1435 0.1949	0,010	5.8	ug/L	3	KED
-1	As-2	75	156.0	5.1	0.1949	0,011	• • • • • • • • • • • • • • • • • • • •	ug/L	98389	KED
	Y-1	89	109486.7	1.1				ug/L	118370	KED
	Rh-1	103	131270.7	0.5				ug/L	720115	Standard
>	Ge	72	777443.8	1.2				ug/L	850893	Standard
>	Tb	159	952837.3	0.8				ug/L	99799	KED
>	Ge-1	72	110516.8	0.5						

QC Calculated Va	lues			
internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
	Ni -1	60		
	As	75		
	As-1	75		
	Se	77		
	Se -1	78		
İ	Br	79		
	Se -2	82		
'	Kr	83		
	Но	165		
į	Pb	208		
1	Bi	209		
	Th	232		
į	Ni -3	58		
	Ni -4	60		
j	NI -5	62		
j	As-2	75		
•	Y-1	89		
	Rh-1	103		
>	Ge	72		
>	Tb	159		
>	Ge-1	72		

Sample ID: Standard 2

Sample Date/Time: Tuesday, August 19, 2025 07:50:08 Report Date/Time: Tuesday, August 19, 2025 08:27:18

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\Standard 2.014

Results (Mean Data)

			16	mon.	Conc.	SD	RSD	Units	Blank Intens.	Mode
IS	Analyte	Mass	Intensity	RSD	Conc.	QD.	1100	ug/L	162	Standard
	NI -1	60	4004.9	1.9				ug/L	13407	Standard
	As	75	14952.6	1.0	0 H000	0.044	2.8	ug/L	-163	Standard
	As-1	75	1944.0	2.7	0.5000	0.014	2.0	ug/L	118	Standard
İ	Se	77	251.7	5.6					13606	Standard
i	Se-1	78	13534.4	1.0				ug/L	470	Standard
İ	Br	79	484.0	8.1				ug/L	34	Standard
i	Se-2	82	226.3	10.0				ug/L	34	Standard
,	Kr	83	30.7	29.6				ug/L	745954	Standard
	Но	165	760216.8	1.9				ug/L		
i	Pb	208	28033.3	1.2	0.5100	0.002	0.5	ug/L	990	Standard
i	Bi	209	428260.7	8,0				ug/L	414898	Standard
1.	Th	232	535359.9	1.1				ug/L	510163	Standard
	NI -3	58	5820.0	1.0	0.4956	0.009	1.8	ug/L	242	KED
1	NI -4	60	2486.2	0.3	0,4946	0.003	0.6	ug/L	100	KED
1		62	361.3	1.2	0,4926	0.005	1.1	ug/L	19	KED.
1	NI -5		366.3	4.0	0.5220	0.020	3.8	ug/L	3	KED
l	As-2	75	101370.1	0.5	V 1 2 2 2 2 2			ug/L	98389	KED
	Y-1	89		1.0				ug/L	118370	KED
	Rh-1	103	121342.2	0.9				ug/L	720115	Standard
>	Ge	72	714196.8					ug/L	850893	Standard
>	Tb	159	884358.4	1.5				ug/L	99799	KED
>	Ge-1	72	102600.5	0.5				49/ III		

GC Calculated ve	uugo			
Internal Stanclard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
	As	75		
1	As-1	75		
	Se	77		
	Se -1	78		
	Br	79		
	Se -2	82		
1	Kr	83		
	Ho	165		
	Pb	208		
	Bl	209		
i	Th	232		
j	Ni -3	58		
	Ni -4	60		
	NI -5	62		
	As-2	75		
·	Y-1	89		
	Rh-1	103		
 >	Ge	72		
>	Tb	159		
>	Ge-1	72		

Sample ID: Standard 3

Sample Date/Time: Tuesday, August 19, 2025 07:53:28 Report Date/Time: Tuesday, August 19, 2025 08:27:20

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File; C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\Standard 3.015

Results (Mean Data)

				1 (00	(•				
10	Analyte	Maca	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
IS	-		•	1.1	2,0000	0.019	1.0	ug/L.	162	Standard
-	Ni -1	60	14686.9		2.0000	0.066	3.3	ug/L.	13407	Standard
	As	75	20574.3	1.2	1,9694	0.012	0.6	ug/L	-163	Standard
	As~1	75	7754.1	0.2	• •	0.031	1.5	ug/L	118	Standard
1	Se	77	633.7	1,6	2.0000	0,031	1.0	ug/L	13606	Standard
ĺ	Se -1	78	14507.0	1.5					470	Standard
İ	Br	79	498.0	4.4			0.0	ug/L	34	Standard
i	Se -2	82	683,3	1.3	2.0000	0.018	0.9	ug/L	34	Standard
1	Kr	83	29.0	15.0				ug/L	- ·	
4		165	721366.5	1.0				ug/L	745954	Standard
-	Но		101717.7	0.2	2.0014	0.023	1.1	ug/L	990	Standard
ļ	Pb	208		0.3				ug/L	414898	Standard
ļ	Bi	209	411074.2	0.3				ug/l	510163	Standard
	Th	232	509879.4		2,1828	0.009	0.4	ug/L	242	KED
	N1 -3	58	21602.9	0.2		0.024	1.1	ug/L	100	KED
	NI -4	60	9340.1	0.7	2.1705		1.5	ug/L	19	KED
	NI -5	62	1380.7	1.7	2.1646	0.032		ug/L	3	KED
1	As-2	75	1364.1	3.5	2.0392	0.067	3.3	_	98389	KED
Ċ	Y-1	89	98362.8	0.6				ug/L	118370	KED
	Rh-1	103	118222,5	1.1				ug/L		
>	Ge	72	690579.8	0.5				ug/L	720115	Standard
- 1	Tb	159	815162.5	0.9				ug/L	850893	Standard
>	Ge-1	72	100824.5	0.4				ug/L	99799	KED
>	Cre-T	12.	10002.710	V:1						

GC Calculated vo	แนซอ			
Internal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
i	As	75		
	As-1	75		
i	Se	77		
	Se -1	78		
	Br	79		
	Se -2	82		
1	Kr	83		
	Ho	165		
	Pb	208		
İ	Bi	209		
j	Th	232		
	Ni -3	58		
	Ni -4	60		
	Ni -5	62		
Ì	As-2	75		
·	Y-1	89		
	Rh-1	103		
>	Ge	72		
>	Tb	159		
>	Ge-1	72		

Sample ID: Standard 4

Sample Date/Time: Tuesday, August 19, 2025 07:56:49 Report Date/Time: Tuesday, August 19, 2025 08:27:21

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\Standard 4.016

Results (Mean Data)

	Keanie (Mean Pare)										
10	0 14-	Mana	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode	
IS	Analyte		•	0.8	4.9520	0.060	1.2	ug/L	162	Standard	
	Ni -1	60	35311.3		4.8957	0.023	0.5	ug/L	13407	Standard	
	As	75	31647.9	1.0		0.048	1.0	ug/L	-163	Standard	
	As-1	75	19310.2	1.7	4.9219		3.0	ug/L	118	Standard	
i	Se	77	1342.1	3.5	4.8932	0.149			13606	Standard	
i	Se -1	78	16570.6	0.8	5.0000	0.103	2.1	ug/L	470	Standard	
i	Br	79	458.3	5.5				ug/L		Standard	
1	Se -2	82	1685.4	3.1	5.1014	0.127	2,5	ug/L	34		
ı		83	32.7	3.5				ug/L	34	Standard	
	Kr		695385.6	1.0				ug/L	745954	Standard	
- !	Ho	165		1.0	4.9691	0.111	2.2	ug/L	990	Standard	
	Pb	208	247052.5		4,0001			ug/L	414898	Standard	
}	ы	209	409103.5	0.4				ug/L	510163	Standard	
-	Τh	232	509070.1	1.2		0.035	0.6	ug/L	242	KED	
Ì	NI -3	58	52587.1	8.0	5.3947				100	KED	
i	Ni -4	60	23181.1	0.7	5.4458	0.036	0.7	ug/L	19	KED	
i	NI -5	62	3359.1	2.2	5.3259	0,125	2.4	ug/L	3	KED	
i	As-2	75	3331.7	1.8	5.0211	0.069	1.4	ug/L	_		
i	Y-1	89	99359.4	1.2				ug/L	98389	KED	
		103	118605.4	1.0				ug/L	118370	KED	
	Rh-1			0.7				ug/L	720115	Standard	
>	Ge	72	687523.9					ug/L	850893	Standard	
>	Tb	159	802452.4	2.6				ug/L	99799	KED	
>	Ge-1	72	101235.8	0.4				~ S . ~			

QC Calculated Va	alues			
Internal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
		75		
	As			
	As-1	75		
	Se	77		
	Se -1	78		
	Br	79		
j	Se -2	82		
1	Kr	83		
1	Но	165		
i	Pb	208		
İ	Ві	209		
	Th	232		
	Ni -3	58		
ļ	NI -4	60		
İ	Ni -5	62		
i	As-2	75		
ı	Y-1	89		
	Rh-1	103		
>	Ge	72		
>	Tb	159		
>	Ge-1	72		

Sample ID: Standard 5

Sample Date/Time: Tuesday, August 19, 2025 08:00:09 Report Date/Time: Tuesday, August 19, 2025 08:27:22

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\Standard 5.017

Results (Mean Data)

	Results (Mean Para)										
IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens. 162	Mode Standard	
10		60	132687.0	0.7	19.8631	0.089	0.4	ug/l			
	Ni -1	75	86665.2	2.1	20.0762	0.575	2.9	ug/L	13407	Standard	
]	As		74804.6	2.2	19.9896	0,526	2.6	ug/L	-163	Standard	
!	As-1	75	4951.2	1.8	20.2328	0.354	1.8	ug/L	118	Standard	
	Se	77		1.3	20.7906	0,409	2.0	ug/L	13606	Standard	
	Se -1	78	27889.5		2011000			ug/L	470	Standard	
	Br	79	416.3	2.5	20.4296	0.233	1.1	ug/L	34	Standard	
	Se -2	82	6330.7	0.2	20,4200	O I Zi O O		ug/L	34	Standard	
	Kr	83	35.7	1.6				ug/L	745954	Standard	
	Ho	165	669439.7	1.5	40 7007	0.441	2.2	ug/L	990	Standard	
1	Pb	208	942755.8	1.8	19.7835	0,441	Au i Im	ug/L	414898	Standard	
j	ВІ	209	385678.2	0.5				ug/L	510163	Standard	
i	Th	232	480972.4	0.4		0.040	0.2	ug/L	242	KED	
į	NI -3	58	199630.3	0.6	21,3063	0.046			100	KED	
i	Ni -4	60	86854.2	1.1	21.2288	0.126	0.6	ug/L	19	KED	
i	NI -5	62	12862.8	1.5	21.2368	0.422	2.0	ug/L	3	KED	
į	As-2	75	12777.0	0.3	20.2656	0.056	0.3	ug/L	98389	KED	
,	Y-1	89	93565.5	1.5				ug/L.		KED	
	Rh-1	103	109566.0	2.0				ug/L	118370		
1.	-	72	651812,6	1.1				ug/L	720115	Standard	
>	Tb	159	769293.4	0.6				ug/L	850893	Standard	
>	~ .	72	95978.0	0.5				ug/L	99799	KED	
>	Ge-1	14	0,010,0	~ i w							

Ni -1	QC Calculated Va	llues			
As 75 As-1 75 Se 77 Se 77 Se -1 78 Br 79 Se -2 82 Kr 83 Ho 165 Pb 208 Bi 209 Th 232 Ni -3 58 Ni -4 60 Ni -5 62 As-2 75 Y-1 89 Rh-1 103 Ge 72 Tb 159	Internal Standard Symbol			QC Std % Recovery	Int Std % Recovery
As-1 75 Se 77 Se -1 78 Br 79 Se -2 82 Kr 83 Ho 165 Pb 208 Bi 209 Th 232 Ni -3 58 Ni -4 60 Ni -5 62 As-2 75 Y-1 89 Rh-1 103 Ge 72 Tb 159					
Se -1 78 Br 79 Se -2 82 Kr 83 Ho 165 Pb 208 Bi 209 Th 232 Ni -3 58 Ni -4 60 Ni -5 62 As-2 75 Y-1 89 Rh-1 103 Ge 72 Tb 159		As	75		
Se -1 78 Br 79 Se -2 82 Kr 83 Ho 165 Pb 208 Bi 209 Th 232 Ni -3 58 Ni -4 60 Ni -5 62 As-2 75 Y-1 89 Rh-1 103 Ge 72 Tb 159	į	As-1	75		
Br 79 Se -2 82 Kr 83 Ho 165 Pb 208 Bi 209 Th 232 Ni -3 58 Ni -4 60 Ni -5 62 As-2 75 Y-1 89 Rh-1 103 Ge 72 Tb 159	j	Se	77		
Se -2 82 Kr 83 Ho 165 Pb 208 Bi 209 Th 232 Ni -3 58 Ni -4 60 Ni -5 62 As-2 75 Y-1 89 Rh-1 103 Ge 72 Tb 159 Ge 1 72	į	Se -1	78		
Kr 83 Ho 165 Pb 208 Bi 209 Th 232 Ni -3 58 Ni -4 60 Ni -5 62 As-2 75 Y-1 89 Rh-1 103 Ge 72 Tb 159 Ge 1 72	į	Br	79		
Ho 165 Pb 208 Bi 209 Th 232 Ni -3 58 Ni -4 60 Ni -5 62 As-2 75 Y-1 89 Rh-1 103 > Ge 72 Tb 159	j	Se -2	82		
Pb 208 Bi 209 Th 232 Ni -3 58 Ni -4 60 Ni -5 62 As-2 75 Y-1 89 Rh-1 103 Ge 72 Tb 159 Ge 1 72	'	Kr	83		
Bi 209 Th 232 Ni -3 58 Ni -4 60 Ni -5 62 As-2 75 Y-1 89 Rh-1 103 Ge 72 Tb 159 Ge 1 72	1	Но	165		
Th 232 Ni -3 58 Ni -4 60 Ni -5 62 As-2 75 Y-1 89 Rh-1 103 > Ge 72 Tb 159	İ	Pb	208		
Ni -3 58 Ni -4 60 Ni -5 62 As-2 75 Y-1 89 Rh-1 103 Ge 72 Tb 159 Ge 1 72	İ	Bi	209		
Ni -4 60 Ni -5 62 As-2 75 Y-1 89 Rh-1 103 Ge 72 > Tb 159	İ	Th	232		
Ni -5 62 As-2 75 Y-1 89 Rh-1 103 > Ge 72 > Tb 159	İ	Ni -3	58		
As-2 75 Y-1 89 Rh-1 103 > Ge 72 > Tb 159	ì	Ni -4	60		
Y-1 89 Rh-1 103 > Ge 72 > Tb 159		Ni -5	62		
Rh-1 103 > Ge 72 > Tb 159		As-2	75		
> Ge 72 > Tb 159	1	Y-1	89		
> Ge 72 > Tb 159		Rh-1	103		
> Tb 159	15		72		
60.1 72	1		159		
	i				

Sample ID: Standard 6

Sample Date/Time: Tuesday, August 19, 2025 08:03:30 Report Date/Time: Tuesday, August 19, 2025 08:27:24

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\Standard 6.018

Results (Mean Data)

					Jen 100 / 100 000 000 000 000 000 000 000 0	00	RSD	Units	Blank Intens.	Mode
IS	Analyte	Mass	Intensity	RSD	Conc.	SD		ug/L	162	Standard
1	Ni -1	60	267604.7	1.1	39.6817	0.303	0.8		13407	Standard
ì	As	75	160473.5	1.6	39,4778	0,462	1.2	ug/L	-163	Standard
i	As-1	75	149125.2	1.6	39,4308	0.428	1.1	ug/L	118	Standard
i	Se .	77	9921.8	0.6	40.2964	0.500	1,2	ug/L	13606	Standard
1	Se -1	78	43313.9	1.3	40.1956	0.462	1.2	ug/L	470	Standard
1	Br	79	428.7	4.2				ug/L		Standard
i i	Se -2	82	12606.9	0.8	40.1886	0.115	0.3	ug/L	34	
1		83	39.3	12.8				ug/L	34	Standard
ı	Kr	165	6641.11.7	1.9				ug/L	745954	Standard
	Но		1878647.3	0.4	39.6106	0.592	1.5	ug/L	990	Standard
	Pb	208	387241.0	1.1				ug/L	414898	Standard
ļ	Bi	209		1.2				ug/L	510163	Standard
-	Th	232	487042.7	0.7	40.8476	0.049	0.1	ug/L	242	KED
ļ	Ni -3	58	397457.8	0.8	40.5681	0.039	0.1	ug/L	100	KED
-	NI -4	60	171940.2	0.7	40.5654	0,610	1.5	ug/L	19	KED
-	NI -5	62	25385.5		40.1649	0.296	0.7	ug/L	3	KED
	As-2	75	25789.6	1.5	40,1040	0,200		ug/L	98389	KED
	Y-1	89	95274.1	2.1				ug/L	118370	KED
	Rh-1	103	111702.4	1.4				ug/L	720115	Standard
>	Ge	72	661092.6	0,6				ug/L	850893	Standard
>	Tb	159	760286.6	1.7				ug/L	99799	KED
>	Ge-1	72	96650.5	8.0				ugru	00100	• •

QC Calculated va	alues			
Internal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
	As	75		
	As-1	75		
		77		
	Se Se	78		
	Se -1			
	Br	79		
1	Se -2	82		
	Kr	83		
	Но	165		
1	Pb	208		
	Bi	209		
	Th	232		
	Ni -3	58		
j	Ni -4	60		
1	Ni -5	62		
•	As-2	75		
•	Y-1	89		
	Rh-1	103		
1>	Ge	72		
>	Tb	159		
>	Ge-1	72		

Sample ID: Standard 7

Sample Date/Time: Tuesday, August 19, 2025 08:06:50 Report Date/Time: Tuesday, August 19, 2025 08:27:25

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\Standard 7.019

Results (Mean Data)

					, CI (CO (1110-0011	CD	RSD	Units	Blank Intens.	Mode
IS	Analyte	Mass	Intensity	RSD	Conc.	SD			162	Standard
1	Ni -1	60	646826.0	1.3	93.4326	0.161	0.2	ug/L	13407	Standard
1	As	75	379478.3	0.7	94.6182	0,841	0.9	ug/L	-163	Standard
ì	As-1	75	370799.4	0.9	94.7385	0.647	0.7	ug/L		
!		77	24130.0	1.3	95.4303	1.088	1.1	ug/L	118	Standard
1	Se	78	88223.6	1.0	95.3048	0.536	0.6	ug/L	13606	Standard
1	Se -1		432.7	2.7				ug/l_	470	Standard
!	Br	79		1.9	96.5638	0.487	0.5	ug/L	34	Standard
	Se -2	82	31342.7	14.7	00,000			ug/L	34	Standard
	Kr	83	47.0					ug/L	745954	Standard
	Но	165	702207.6	1.7	95.5570	1,742	1.8	ug/l	990	Standard
	Pb	208	4682232.0	1.0	95,5570	1,1 124	,, =	ug/L	414898	Standard
	BI	209	402802.6	0,6				ug/L	510163	Standard
	Th	232	508314.1	0.5		0.431	0.5	ug/L	242	KED
1	NI -3	58	966218.3	0.6	94.1361		0.8	ug/L	100	KED
1	Ni -4	60	416537.6	0,8	93,3055	0.761			19	KED
į	Ni -5	62	61100.1	1.0	93.0071	0.710	0.8	ug/L	3	KED
i	As-2	75	62793.0	0.6	94.2628	0.509	0.5	ug/L	98389	KED
•	Y-1	89	98949.5	0.6				ug/L		KED
	Rh-1	103	116355.3	0.7				ug/L	118370	
>	Ge	72	692903.1	1.4				ug/L	720115	Standard
- í	Tb	159	798392.5	0.9				ug/L	850893	Standard
>		72	101000.4	0.2				ug/L	99799	KED
>	Ge-1	16	10,000,4	0,144						

QC Calculated Va	uues			
Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
	Ni -1	60		
i	As	75		
ĺ	As-1	75		
j	Se	77		
	Se -1	78		
İ	Br	79		
	Se -2	82		
'	Kr	83		
	Ho	165		
İ	Pb	208		
Ì	Bi	209		
İ	Th	232		
İ	Ni -3	58		
İ	Ni -4	60		
İ	Ni -5	62		
İ	As-2	75		
	Y-1	89		
	Rh-1	103		
>	Ge	72		
>	Tb	159		
>	Ge-1	72		
•				

Sample ID: QC Std 1

Sample Date/Time: Tuesday, August 19, 2025 08:11:00 Report Date/Time: Tuesday, August 19, 2025 08:27:26

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\QC Std 1.020

Results (Mean Data)

					V	, on	DOD	Units	Blank Intens.	Mode
IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD		162	Standard
İ	Ni -1	60	338416.1	1.9	46.6233	0.261	0.6	ug/L	13407	Standard
i	As	75	203124.6	0.5	46.7561	0.537	1.1	ug/L	-163	Standard
i	As-1	75	193174.7	0.7	47.1299	0.361	8.0	ug/L	118	Standard
	Se	77	12435.4	1.2	46.7062	0.888	1.9	ug/L		Standard
-	Se -1	78	51509.0	1.2	45.8634	1.610	3.5	ug/L	13606	
1	Br .	79	435.0	5.8				ug/L	470	Standard
1	Se -2	82	16383.4	2.0	48.1002	1.230	2.6	ug/L	34	Standard
ı	Kr	83	39.3	15.3				ug/L	34	Standard
1	Но	165	759448.1	0.6				ug/L	745954	Standard
1		208	2523095.0	1.4	47.1576	1.337	2.8	ug/L	990	Standard
-	Pb	209	430709.3	0.7				ug/L	414898	Standard
-	Bi		536961.6	1.2				ug/L	510163	Standard
	Th	232	506057.9	0.3	47.2631	0.278	0,6	ug/L	242	KED
	Ni -3	58		0.2	47.0764	0.183	0.4	ug/L	100	KED
	Ni -4	60	219214.1		46.7889	0.392	0.8	ug/L	19	KED
	Ni -5	62	32058.9	0.4	47.0091	0.284	0.6	ug/L	3	KED
	As-2	75	32653.3	1.1	47,0031	0,20	•	ug/L	98389	KED
	Y-1	89	104644.9	0.8				ug/L	118370	KED
	Rh-1	103	122289.2	0.4				ug/L	720115	Standard
>	Ge	72	725938.3	1.5				ug/L	850893	Standard
>	Tb	159	871976.7	1.9				ug/L	99799	KED
>	Ge-1	72	105294.6	0.5				ug/L	33100	

QC Calculated va	alues			
Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
	Ni -1	60	93.247	
j.	As	75	93.512	
İ	As-1	75	94.260	
i	Se	77	93.412	
	Se -1	78	91.727	
	Br	79		
i	Se -2	82	96.200	
1	Kr	83		
	Но	165		
	Pb	208	94.315	
i	Bi	209		
	Th	232		
	Ni -3	58	94.526	
	Ni -4	60	94.153	
	Ni -5	62	93.578	
	As-2	75	94.018	
1	Y-1	89		
	Rh-1	103		
>	Ge	72		100.809
>	Tb	159		102.478
>	Ge-1	72		105.507

Sample ID: QC Std 2

Sample Date/Time: Tuesday, August 19, 2025 08:29:27 Report Date/Time: Tuesday, August 19, 2025 08:31:17

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\QC Std 2.024

Results (Mean Data)

			em en En	0	gn.	RSD	Units	Blank Intens.	Mode
Analyte	∍Mass	•							Standard
Ni -1	60	199.0							Standard
As	75	12866.1	2.4						Standard
As-1	75	-14.4	249.4						Standard
Se	77	134.7	2.6						Standard
Se -1	78	13013.3	2.2	-0.5984	0.248	41,5			Standard
	79	446.7	6.7						
	82	71.3	4.5	0.0360	0.012	34.2			Standard
			10.1						Standard
									Standard
				0.0566	0.004	7.3	ug/L		Standard
							ug/L		Standard
							ug/L	510163	Standard
				-0.0348	0,002	5.7	ug/L	242	KED
					0.001	2.2	ug/L	100	KED
						55.2	ug/L	19	KED
								3	KED
				0.0104	0,002			98389	KED
								118370	KED
Rh-1								720115	Standard
Ge									Standard
Tb	159								KED
Ge-1	72	94190.2	0.8				ug/L	55755) Show ber
	Ni -1 As As-1 Se Se -1 Br Se -2 Kr Ho Pb Bi Th Ni -3 Ni -4 Ni -5 As-2 Y-1 Rh-1 Ge Tb	As 75 As-1 75 Se 77 Se -1 78 Br 79 Se -2 82 Kr 83 Ho 165 Pb 208 Bl 209 Th 232 NI -3 58 NI -4 60 NI -5 62 As-2 75 Y-1 89 Rh-1 103 Ge 72 Tb 159	Ni -1 60 199.0 As 75 12866.1 As-1 75 -14.4 Se 77 134.7 Se -1 78 13013.3 Br 79 446.7 Se -2 82 71.3 Kr 83 37.3 Ho 165 798966.8 Pb 208 3196.8 Bi 209 437626.2 Th 232 510685.6 Ni -3 58 262.8 Ni -4 60 108.3 Ni -5 62 19.0 As-2 75 17.7 Y-1 89 95946.1 Rh-1 103 115593.5 Ge 72 722636.8 Tb 159 930603.0	Ni -1 60 199.0 10.1 As 75 12866.1 2.4 As-1 75 -14.4 249.4 Se 77 134.7 2.6 Se -1 78 13013.3 2.2 Br 79 446.7 6.7 Se -2 82 71.3 4.5 Kr 83 37.3 10.1 Ho 165 798966.8 2.5 Pb 208 3196.8 9.5 Bi 209 437626.2 0.8 Bi 209 437626.2 0.8 Th 232 510685.6 0.7 Ni -3 58 262.8 6.3 Ni -4 60 108.3 2.3 Ni -5 62 19.0 26.3 As-2 75 17.7 6.5 Y-1 89 95946.1 0.7 Rh-1 103 115593.5 0.5 Ge 72 722636.8 3.2 Tb 159 930603.0 2.8	Ni -1 60 199.0 10.1 -0.0390 As 75 12866.1 2.4 -0.0638 As-1 75 -14.4 249.4 0.0344 Se 77 134.7 2.6 0.0404 Se -1 78 13013.3 2.2 -0.5984 Br 79 446.7 6.7 Se -2 82 71.3 4.5 0.0360 Kr 83 37.3 10.1 Ho 165 798966.8 2.5 Pb 208 3196.8 9.5 0.0566 Bi 209 437626.2 0.8 Th 232 510685.6 0.7 Ni -3 58 262.8 6.3 -0.0348 Ni -4 60 108.3 2.3 -0.0267 Ni -5 62 19.0 26.3 -0.0152 As-2 75 17.7 6.5 0.0104 Y-1 89 95946.1 0.7 Rh-1 103 115593.5 0.5 Ge 72 722636.8 3.2 Tb 159 930603.0 2.8	Ni -1 60 199.0 10.1 -0.0390 0.002 As 75 12866.1 2.4 -0.0638 0.049 As-1 75 -14.4 249.4 0.0344 0.009 Se 77 134.7 2.6 0.0404 0.006 Se -1 78 13013.3 2.2 -0.5984 0.248 Br 79 446.7 6.7 Se -2 82 71.3 4.5 0.0360 0.012 Kr 83 37.3 10.1 Ho 165 798966.8 2.5 Pb 208 3196.8 9.5 0.0566 0.004 Bi 209 437626.2 0.8 Th 232 510685.6 0.7 Ni -3 58 262.8 6.3 -0.0348 0.002 Ni -4 60 108.3 2.3 -0.0267 0.001 Ni -5 62 19.0 26.3 -0.0152 0.008 As-2 75 17.7 6.5 0.0104 0.002 Y-1 89 95946.1 0.7 Rh-1 103 115593.5 0.5 Ge 72 722636.8 3.2 Tb 159 930603.0 2.8	Analyte Mass Intensity RSD NI -1 60 199.0 10.1 -0.0390 0.002 4.9 As 75 12866.1 2.4 -0.0638 0.049 77.1 As-1 75 -14.4 249.4 0.0344 0.009 26.1 Se 77 134.7 2.6 0.0404 0.006 15.5 Se -1 78 13013.3 2.2 -0.5984 0.248 41.5 Br 79 446.7 6.7 -0.5984 0.248 41.5 Se -2 82 71.3 4.5 0.0360 0.012 34.2 Kr 83 37.3 10.1 -0.0360 0.012 34.2 Kr 83 37.3 10.1 -0.0360 0.0012 34.2 Kr 83 3196.8 9.5 0.0566 0.004 7.3 BI 209 437626.2 0.8 -0.0348 0.002 5.7 NI -3 </th <th>Analyte Mass Intensity RSD -0.0390 0.002 4.9 ug/L As 75 12866.1 2.4 -0.0638 0.049 77.1 ug/L As-1 75 -14.4 249.4 0.0344 0.009 26.1 ug/L Se 77 134.7 2.6 0.0404 0.006 15.5 ug/L Se -1 78 13013.3 2.2 -0.5984 0.248 41.5 ug/L Br 79 446.7 6.7 ug/L ug/L ug/L Kr 83 37.3 10.1 ug/L ug/L ug/L Kr 83 3196.8 9.5 0.0566 0.004 7.3 ug/L Bi 209 437626.2 0.8 -0.0566 0.004 7.3 ug/L Ni -3 58 262.8 6.3 -0.0348 0.002 5.7 ug/L Ni -4 60 108.3 2.3 -0.0267 0.001<!--</th--><th>Analyte Mass Intensity RSD Conic. C</th></th>	Analyte Mass Intensity RSD -0.0390 0.002 4.9 ug/L As 75 12866.1 2.4 -0.0638 0.049 77.1 ug/L As-1 75 -14.4 249.4 0.0344 0.009 26.1 ug/L Se 77 134.7 2.6 0.0404 0.006 15.5 ug/L Se -1 78 13013.3 2.2 -0.5984 0.248 41.5 ug/L Br 79 446.7 6.7 ug/L ug/L ug/L Kr 83 37.3 10.1 ug/L ug/L ug/L Kr 83 3196.8 9.5 0.0566 0.004 7.3 ug/L Bi 209 437626.2 0.8 -0.0566 0.004 7.3 ug/L Ni -3 58 262.8 6.3 -0.0348 0.002 5.7 ug/L Ni -4 60 108.3 2.3 -0.0267 0.001 </th <th>Analyte Mass Intensity RSD Conic. C</th>	Analyte Mass Intensity RSD Conic. C

See solionianos	H WHI WA STORM			
Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
	Ni -1	60		
	As	75		
	As-1	75		
	Se	77		
	Se -1	78		
	Br	79		
	Se -2	82		
•	Kr	83		
	Ho	165		
	Pb	208		
İ	Bi	209		
	Th	232		
	Ni -3	58		
	Ni -4	60		
	NI -5	62		
	As-2	75		
'	Y-1	89		
	Rh-1	103		
>	Ge	72		100.350
>	Tb	159		109.368
>	Ge-1	72		94.380
1 *				

Sample ID: QC Std 6

Sample Date/Time: Tuesday, August 19, 2025 08:33:38 Report Date/Time: Tuesday, August 19, 2025 08:35:27

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\QC Std 6.025

Results (Mean Data)

		I RELEASE AND ADDRESS OF THE PROPERTY OF THE P		,						
IS	Analyte	Moce	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
13		60	246032.7	1.1	36.0855	1.549	4.3	ug/L	162	Standard
	Ni -1		168531.2	2.4	40,9000	0.439	1.1 ·	ug/L	13407	Standard
	As	75		2.5	40,8910	0.375	0.9	ug/L.	-163	Standard
	As-1	75	157485.0		42.2790	0.451	1.1	ug/L	118	Standard
	Se	77	10594.3	4.2		0.783	1.8	ug/L	13606	Standard
	Se -1	78	45915.0	2.2	42.6538	0.765	1.0	ug/L	470	Standard
	Br	79	440.7	1.5		0.540	4.0		34	Standard
ĺ	Se -2	82	13750.0	2.7	42.9345	0.542	1.3	ug/L	34	Standard
·	Kr	83	37.3	21.8				ug/L		Standard
1	Но	165	731834.3	2.0				ug/L	745954	
	Pb	208	1947048.3	1.1	38.4150	0,085	0.2	ug/L	990	Standard
i	BI	209	404926.0	2.9				ug/L	414898	Standard
i	Th	232	481739.5	0.8				ug/L	510163	Standard
		58	359094.1	0.5	38.0373	0.252	0.7	ug/L	242	KED
l I	Ni -3	60	156199.6	0.5	38.0472	0,299	0.8	ug/L	100	KED
-	Ni -4		23068.3	0.3	38.1878	0,162	0.4	ug/L	19	KED
ļ	NI -5	62			39.7112	0.151	0.4	ug/L	3	KED
ı	As-2	75	24314.0	0.1	30.7 112	0.101	• • • • • • • • • • • • • • • • • • • •	ug/L	98389	KED
	Y-1	89	93656.7	0.2				ug/L	118370	KED
	Rh-1	103	110500.1	0.7					720115	Standard
>	Ge	72	682285.3	3.4				ug/L	850893	Standard
>	Tb	159	825762.4	0.9				ug/L		
>	Ge-1	72	92808.2	0.4				ug/L	99799	KED

			00 01 10/ 13	Int Ctd 0/ Decovery
Internal Standard Symbol	Analyte		QC Std % Recovery	Int Std % Recovery
	Ni -1	60	90.214	
1	As	75	102.250	
İ	As-1	75	102.227	
İ	Se	77	105.698	
İ	Se -1	78	106.635	
	Br	79		
j	Se -2	82	107.336	
	Kr	83		
	Но	165		
	Pb	208	96.037	
	Bi	209		
	Th	232		
	Ni -3	58	95.093	
İ	Ni -4	60	95.118	
İ	Ni -5	62	95.469	
j	As-2	75	99.278	
•	Y-1	89		
	Rh-1	103		
>	Ge	72		94.747
>	Tb	159		97.047
>	Ge-1	72		92.995

Sample ID: QC Std 7

Sample Date/Time: Tuesday, August 19, 2025 08:37:48 Report Date/Time: Tuesday, August 19, 2025 08:39:37

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\QC Std 7.026

Results (Mean Data)

					Cono	SD	RSD	Units	Blank Intens.	Mode
IS	Analyte	Mass	Intensity	RSD	Conc.	0.648	3.6	ug/L	162	Standard
1	Ni -1	60	119179.4	0.4	18.0853		1.9	ug/L	13407	Standard
ĺ	As	75	86902.8	4.1	20.3461	0.383	1.6	ug/L	-163	Standard
İ	As-1	75	75897.0	4.0	20.4431	0.327		ug/L	118	Standard
i	Se	77	5093.9	3,1	20.8430	0.196	0.9	-	13606	Standard
i	Se -1	78	28014.1	2.6	20.9502	0.541	2.6	ug/L	470	Standard
i	Br	79	406.0	4.9			0.0	ug/L	34	Standard
i	Se -2	82	6715.2	1.8	21.6564	0.470	2.2	ug/L	34	Standard
'	Kr	83	41.0	10.6				ug/L	745954	Standard
1	Но	165	687471.3	2.4			0.0	ug/L.	990	Standard
i	Pb	208	928273.4	2.7	19.0714	0.040	0.2	ug/L.	414898	Standard
i	ві	209	377533.2	2.3				ug/L		Standard
ί	Th	232	452784.8	2.2				ug/L	510163	
i	Ni -3	58	178565.8	0.2	19.2788	0.101	0,5	ug/L	242	KED
ì	Ni -4	60	77544.9	0.5	19.2564	0.116	0.6	ug/L	100	KED
i	NI -5	62	11495.3	1.0	19.4035	0.116	0.6	ug/L	19	KED
-	As-2	75	12099.8	1.6	20.1662	0,370	1.8	ug/L	3	KED
'	Y-1	89	91306.2	0.9				ug/L	98389	KED
	Rh-1	103	108012.5	1.4				ug/L	118370	KED
>	Ge	72	658229.0	4.0				ug/L	720115	Standard
>	Tb	159	793000.8	2.5				ug/L	850893	Standard
>	Ge-1	72	90912.0	0.7			•	ug/L	99799	KED

Afficial area, after all the area and be and an area and an area.			00 01-10/ Danayoni	Int Std % Recovery
Internal Standard Symbol	Analyte		QC Std % Recovery	III Sta 76 Necovery
	Ni -1	6 0	90.427	
İ	As	75	101.730	
Ì	As-1	75	102.216	
j	Se	77	104.215	
i	Se -1	78	104.751	
j	Br	79		
İ	Se -2	82	108.282	
	Kr	83		
I	Ho	165		
İ	Pb	208	95.357	
Ì	Bi	209		
İ	Th	232		
İ	Ni -3	5 8	96.394	
	Ni -4	60	96,282	
İ	Ni5	62	97.017	
i	As-2	75	100.831	
•	Y-1	89		
	Rh-1	103		
>	Ge	72		91,406
>	Tb	159		93.196
>	Ge-1	72		91.095

Sample ID: QC Std 8

Sample Date/Time: Tuesday, August 19, 2025 08:41:58 Report Date/Time: Tuesday, August 19, 2025 08:43:48

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\QC Std 8.027

Results (Mean Data)

	I to the state of										
IS	Analyte	a Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode	
1	Ni -1	60	146.3	1.0	-0.0443	0.001	2,6	ug/L	162	Standard	
1		75	12116.7	2.3	0.0366	0.061	165.5	ug/L	13407	Standard	
	As	75 75	-39,3	32.2	0.0274	0.004	13.8	ug/L	-163	Standard	
1	As-1			7.3	-0,0126	0.024	194.1	ug/L	118	Standard	
	Se	77	110.3		-0.1158	0.325	280.9	ug/L	13606	Standard	
	Se -1	78	12243.2	2.1	*0.1100	0,020	220010	ug/L	470	Standard	
- (Br	79	396.0	4.6	0.00	0.011	196.7	ug/L	34	Standard	
1	Se -2	82	52.3	2.9	-0.0055	0,011	180.1		34	Standard	
	Kr	83	36.7	4.2				ug/L	745954	Standard	
	Ho	165	669136.7	2.0			= 0	ug/L			
	Pb	208	1178.0	7.5	0.0255	0.001	5.6	ug/L.	990	Standard	
i	ВІ	209	377512.4	3.1				ug/L	414898	Standard	
i	Th	232	447233.6	1.7				ug/L	510163	Standard	
i	NI -3	58	215.1	6.8	-0.0393	0.002	4.4	ug/L	242	KED	
i	NI -4	60	84.3	4.9	-0.0321	0.001	3,8	ug/L	100	KED	
i	Ni -5	62	14.0	7.1	-0.0230	0.002	7.5	ug/L	19	KED	
1	As-2	75	8.0	37.5	-0.0050	0.005	97.2	ug/L	3	KED	
- 1	Y-1	89	92502.5	0.7				ug/L	98389	KED	
	Rh-1	103	108842.4	0.5				ug/L	118370	KED	
1								ug/L	720115	Standard	
>	Ge	72	659920.7	4.1				ug/L	850893	Standard	
>	T'b	159	773404.9	1.8					99799	KED	
>	Ge-1	72	92311.6	1.0				ug/L	20122	171-17	

and an an extremely an extremely 11 so				
Internal Standard Symbol	Analyte		QC Std % Recovery	Int Std % Recovery
!	Ni -1	60		
	As	75		
	As-1	75		
	Se	77		
	Se -1	78		
	Br	79		
	Se -2	82		
	Kr	83		
<u> </u>	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Ni -3	58		
	Ni -4	60		
	Ni -5	62		
	As-2	75		
	Y-1	89		
	Rh-1	103		
>	Ge	72		91.641
>	Tb	159		90,893
>	Ge-1	72		92.498

Sample ID: MB0819WM1 2X

Sample Date/Time: Tuesday, August 19, 2025 08:51:09 Report Date/Time: Tuesday, August 19, 2025 08:52:58

Method File: C:\Users\Public\Documents\PerkInElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\MB0819WM1 2X.028

Results (Mean Data)

					(, 00	DOD	Lluita	Blank Intens.	Mode
IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units		Standard
1	Ni -1	60	315.3	9.0	-0.0159	0.005	33.7	ug/L	162	
-		75	12047.4	1.1	0.2044	0.024	11.5	ug/L.	13407	Standard
1	As		-61.1	40.3	0.0207	0.007	34.0	ug/L	-163	Standard
ļ	As-1	75		17.8	-0.0836	0.075	89,6	ug/L	118	Standard
	Se	77	88,0		0.6939	0.109	15.7	ug/L	13606	Standard
	Se -1	78	12157.8	1.1	0.0000	0.100		ug/L	470	Standard
	Br	79	356.3	9,0	0.04774	0.004	44.7	ug/L	34	Standard
	Se -2	82	37.3	17.0	-0.0474	0.021	******	ug/L	34	Standard
	Kr	83	31.7	17.4				**	745954	Standard
	Но	165	637384.7	1.8				ug/L	990	Standard
i	Pb	208	1442.7	0.8	0.0325	0.000	1.3	ug/L		
i	Bi	209	361721.3	1.2				ug/L	414898	Standard
l 1	Th	232	433359.4	1.2				ug/L	510163	Standard
l L		58	457.9	5,2	-0,0121	0.003	20.9	ug/L	242	KED
!	NI -3		192.0	7.0	-0.0044	0.003	66,6	ug/L	100	KED
	Ni -4	60		17.1	-0.0012	0.007	587.3	ug/L	19	KED
- !	NI -5	62	26.3		-0,0086	0,007	82.2	ug/L	3	KED
	As-2	75	5.7	73.5	-0.0000	0.007	Cy PA (MM	ug/L	98389	KED
	Y-1	89	90805.7	8.0				ug/L	118370	KED
	Rh-1	103	103583.9	0.5					720115	Standard
>	Ge	72	623983.2	1.8				ug/L	850893	Standard
>	Тb	159	740068.6	1.5				ug/L		
>	Ge-1	72	89836.9	1.0				ug/L	99799	KED
1 -3	40.0									

QC Calculated Va	alues			
Internal Standard Symbol	Analyte		QC Std % Recovery	Int Std % Recovery
	Ni -1	60		
İ	As	75		
	As-1	75		
j	Se	77		
i	Se -1	78		
	Br	79		
	Se -2	82		
ı	Kr	83		
	Но	165		
İ	Pb	208		
İ	Bi	209		
1	Th	232		
İ	Ni -3	58		
i	Ni -4	60		
	Ni -5	62		
	As-2	75		
1	Y-1	89		
	Rh-1	103		
>	Ge	72		86.651
>	Tb	159		86,975
>	Ge-1	72		90.018

Sample ID: SB0819WM1 2X

Sample Date/Time: Tuesday, August 19, 2025 08:55:19 Report Date/Time: Tuesday, August 19, 2025 08:57:07

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\SB0819WM1 2X.029

Results (Mean Data)

	Kezaira (moni zam)										
			1 1 11	RSD	Conc	SD	RSD	Units	Blank Intens.	Mode	
IS	Analyte		Intensity		44.9687	0,192	0.4	ug/l	162	Standard	
١	NI -1	60	306467.8	0.3	47.7013	0.345	0.7	ug/L	13407	Standard	
1	As	75	194337.0	0.3	47.7013	0.235	0.5	ug/L	-163	Standard	
1	As-1	75	184512.2	0.1		0.668	1.4	ug/L	118	Standard	
i	Se	77	11974.0	1.1	47.9058	1,042	2.2	ug/L	13606	Standard	
i	Se -1	78	49229.0	1.3	46.9660	1,042	A	ug/L	470	Standard	
Ì	Br	79	400.0	3.1		0.400	0.8	ug/L	34	Standard	
i	Se -2	82	15534.4	0,5	48.5707	0.409	0.0	ug/L	34	Standard	
•	Kr	83	40.0	13.9				ug/L	745954	Standard	
1	Но	165	712755.5	3.5		0.004	0.6	ug/L	990	Standard	
	Pb	208	2324727.3	0.4	46.0495	0.294	0,0	ug/L ug/L	414898	Standard	
i	Bi	209	401335.3	0.9				-	510163	Standard	
İ	Th	232	481635.1	0.2			0.0	ug/L	242	KED	
	NI -3	58	466523.7	0.6	45.3169	0.387	0.9	ug/L	100	KED	
1	NI -4	60	203953.3	0.8	45.5552		0.442 1.0	ug/L	19	KED	
1	Ni -5	62	29828.8	0.4	45.2791	0.322	0.7	ug/L	3	KED	
- !	As-2	75	31536.8	0.5	47,2248	0.185	0.4	ug/L	-	KED	
ı	Y-1	89	101952.2	0.4				ug/L	98389		
		103	118350.6	0.2				ug/L	118370	KED	
	Rh-1	72	681594.1	0.6				ug/L	720115	Standard	
>			822525.8	1.0				ug/L	850893	Standard	
>	Tb	159	101232.1	0.3				ug/L	99799	KED	
>	Ge-1	72	101232.1	0,0							

QC Calculated Va	llues			and the second
Internal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
	As	75		
	As-1	75		
	Se	77		
	Se -1	78		
İ	Br	79		
İ	Se -2	82		
•	Kr	83		
1	Но	165		
İ	Pb	208		
	Bi	209		
	Th	232		
	Ni -3	58		
	Ni -4	60		
	Ni -5	62		
	As-2	75		
,	Y-1	89		
	Rh-1	103		04.651
>	Ge	72		94.651
>	Tb	159		96,666 101,436
>	Ge-1	72		101.430

Sample ID: 08-183-10b 2X

Sample Date/Time: Tuesday, August 19, 2025 09:00:29 Report Date/Time: Tuesday, August 19, 2025 09:02:19

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-183-10b 2X.030

Results (Mean Data)

					Cono	SD	RSD	Units	Blank Intens.	Mode
IS	Analyte	Mass	Intensity	RSD	Conc.	0,008	1.8	ug/L	162	Standard
1	NI -1	60	3040.3	1.8	0.4309	0.059	6.2	ug/L	13407	Standard
Ì	Αs	75	14366.7	1.9	0.9480	0.008	0.9	ug/L	-163	Standard
İ	As-1	75	2763.4	2.3	0.8368		190.4	ug/L	118	Standard
j	Se	77	112.0	9.3	0.0320	0.061	59.6	ug/L	13606	Standard
i	Se -1	78	11717.1	1.9	0.3925	0.234	59,0	ug/L	470	Standard
i	Br	79	2855.6	4.5		0.000	40.6	ug/L	34	Standard
i	Se -2	82	62.0	11.2	0.0410	0.020	48.6	ug/L	34	Standard
	Kr	83	36,3	18.7				ug/L ug/L	745954	Standard
1	Но	165	583394.6	1.9		0.000	0.0		990	Standard
i	Pb	208	6034.5	2.7	0.1458	0.003	2.3	ug/L.	414898	Standard
i	ВІ	209	329530.2	1.9				ug/L	510163	Standard
i	Th	232	401068.4	0.2			0.0	ug/L	242	KED
i	Ni -3	58	5179.9	4.2	0.4831	0.017	3.6	ug/L.	100	KED
i	NI -4	60	1964.8	2.2	0.4228	0.006	1.4	ug/l	19	KED
i	NI -5	62	270.3	6.0	.0,3983	0.024	6.0	ug/L	3	KED
i	As-2	75	511.7	2.9	0.8118	0.027	3.3	ug/L	98389	KED
ı	Y-1	89	92812.9	1.2				ug/L	118370	KED
	Rh-1	103	104489.8	1.2				ug/L	720115	Standard
>		72	612278.7	3.1				ug/L		Standard
>	Tb	159	677467.8	0.4				ug/L	850893	
>	Ge-1	72	93510.7	1.0				ug/L	99799	KED
1 /	44.42									

GC Calculaton ve	HUGO			
Internal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
1	As	75		
ļ.				
	As-1	75		
	Se	77		
İ	Se -1	78		
j	Br	79		
	Se -2	82		
•	Kr	83		
	Но	165		
	Pb	208		
	Bi	209		
Ì	Th	232		
	Ni -3	58		
	Ni -4	60		
į	Ni -5	62		
İ	As-2	75		
•	Y-1	89		
	Rh-1	103		
>	Ge	72		85.025
>	Tb	159		79.618
>	Ge-1	72		93.699

Sample ID: 08-183-10b D 2X

Sample Date/Time: Tuesday, August 19, 2025 09:04:39 Report Date/Time: Tuesday, August 19, 2025 09:06:28

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-183-10b D 2X.031

Results (Mean Data)

IS	Analyte	n Mage	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
10	Ni -1	60 60	3133.0	0.9	0.4896	0.003	0.5	ug/L	162	Standard
l i			13960.4	0.7	1,1750	0,029	2.4	ug/L	13407	Standard
	As	75 75			0.8959	0.011	1.2	ug/L	-163	Standard
1	As-1	75	2735.6	0,4	0.0964	0.039	40.8	ug/L	118	Standard
ļ	Se	77	116.7	7.4		0.000	9.1	ug/L	13606	Standard
	Se -1	78	11323.2	0.8	1.2038	0,110	0.1	ug/L	470	Standard
İ	Br	79	2858.3	1.9		0.047	40.4		34	Standard
	Se -2	82	55.3	7.3	0.0345	0.017	48.4	ug/L	34	Standard
	Kr	83	26.3	4.4				ug/L		
1	Но	165	547080.7	8.0				ug/L	745954	Standard
i	Pb	208	5826.8	0.5	0.1504	0.002	1.7	ug/L	990	Standard
i	Ві	209	. 316025.8	1.5				ug/L	414898	Standard
i	Th	232	386721.8	1.7				ug/L	510163	Standard
i	NI -3	58	5284.0	1.6	0.5203	0.014	2.6	ug/L	242	KED
i	NI -4	60	2030.8	0.2	0.4620	0.006	1.3	ug/L	100	KED
!	Ni -5	62	287.0	8.4	0.4482	0.045	10.0	ug/L	19	KED
i	As-2	75	520.7	5.6	0.8656	0.038	4.4	ug/L	3	KED
ı	Y-1	89	87666.2	0.5				ug/L	98389	KED
			98153.7	0.7				ug/L	118370	KED
1	Rh-1	103						ug/L	720115	Standard
>	Ge	72	564284.1	1.0				ug/L	850893	Standard
>	Tb	159	634491.6	2,2					99799	KED
>	Ge-1	72	89323.7	1.3				ug/L	99199	I Nim lot

and an extended the contract to	1 1 10/11 4/F 14/F			
Internal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
	As	75		
	As-1	75		
	Se	77		
	Se -1	78		
		79		
	Br			
1	Se -2	82		
	Kr	83		
	Но	165		
	Pb	208		
	Bi	209		
	Th	232		
İ	Ni -3	58		
İ	Ni -4	60		
İ	Ni -5	62		
i	As-2	75		
•	Y-1	89		
	Rh-1	103		
>	Ge	72		78,360
t .	Tb	159		74,568
> >	Ge-1	72		89.504
•				

Sample ID: 08-183-10b L 10X

Sample Date/Time: Tuesday, August 19, 2025 09:08:49 Report Date/Time: Tuesday, August 19, 2025 09:10:37

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinEimer Syngistix\ICPMS\DataSet\Y250819A\08-183-10b L 10X.032

Results (Mean Data)

				1/2	Buira (iniomi m.	, a. a ,				6.6
			Intonnity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
IS	Analyte	Wass	Intensity		0.0830	0.003	3.8	ug/L	162	Standard
	NI -1	60	891. 4	1.7		0.064	22.8	ug/L	13407	Standard
j	As	75	11782.2	1.3	0.2816	0.004	10.5	ug/L	-163	Standard
i	As-1	75	467. 6	12.8	0.1767			ug/L	118	Standard
	Se .	77	95.7	7.0	-0.0314	0.033	105.5	-	13606	Standard
1	Se -1	78	11372.9	8.0	0.3159	0.220	69.6	ug/L	470	Standard
1	Br	79	835.O	0.9			40.4	ug/L	34	Standard
1	Se -2	82	39.7	2.9	-0.0332	0.003	10.4	ug/L	34	Standard
ı	Kr	83	32.3	4.7				ug/L	745954	Standard
ı		165	575372.9	1.0				ug/L	990	Standard
1	Ho	208	2311.1	2.4	0.0575	0.002	3.6	ug/L		Standard
ļ	Pb		341384.9	1.2				ug/L	414898	
	Bi	209		0.6				ug/L	510163	Standard
	Th	232	417637.3		0.1051	0.008	7.9	ug/L	242	KED
	NI -3	58	1567.9	6,0		0,012	13.4	ug/L	100	KED
j	NI -4	60	576. 7	8.0	0.0889		22.9	ug/L	19	KED
i	Ni -5	62	84.3	14.3	0.0946	0.022	15.9	ug/L	3	KED
i	As-2	75	118.3	14.8	0.1765	0.028	10.0	ug/L	98389	KED
'	Y-1	89	90529.3	1.2				ug/L	118370	KED
	Rh-1	103	103480. 8	1.6				ug/L	720115	Standard
>	_	72	596878.4	0.7					850893	Standard
>	P015	159	663440.8	1,3				ug/L	99799	KED
>	0 - 1	72	92204.3	1.1				ug/L	99190	1 Norther
- 1 -										

Internal Standard Symbol Analyte Mass QC Std % Recovery Int Std % Recovery Ni -1 60	
As-1 75 Se 77 Se -1 78 Br 79 Se -2 82	У
Se 77 Se -1 78 Br 79 Se -2 82	
Se -1 78 Br 79 Se -2 82	
Br 79 Se -2 82	
Se -2 82	
Vr 83	
Ho 165	
Pb 208	
Ві 209	
Th 232	
Ni -3 58	
Ni -4 60	
NI -5 62	
As-2 75	
Y-1 89	
Rh-1 103 82.84	ጸ7
> Ge /2	
> 10 109	
Se-1 72 92.3	ψU

Sample ID: 08-183-1 Ob MS 2X

Sample Date/Time: Tuesday, August 19, 2025 09:12:58 Report Date/Time: Tuesday, August 19, 2025 09:14:47

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-183-10b MS 2X.033

Results (Mean Data)

				1765	suits (mount =				mi-ul-lakona	Mode
10	Anabita	Moos	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Standard
IS	Analyte		*****	0.4	44.6804	0.152	0.3	ug/L	162	
1	Ni -1	60	261678.6		48.1436	0.543	1.1	ug/L	13407	Standard
	As	75	1 68451.0	0.5		0.707	1.5	ug/L	-163	Standard
i	As-1	75	1 58354.5	1.1	47.8809				118	Standard
i	Se	77	10234.3	0.9	47.6431	0.272	0.6	ug/L.	13606	Standard
i	Se -1	78	42756.2	0.6	47.6414	0.704	1.5	ug/L	470	Standard
	Br	79	2729.6	8.0			_	ug/L	34	Standard
1		82	12878.5	1.8	46.8526	1.038	2.2	ug/L		-
ļ	Se -2		30.0	5.8				ug/L	34	Standard
	Kr	83						ug/L	745954	Standard
	Ho	165	561271.2	2.1	45 0000	0.848	1.9	ug/L	990	Standard
İ	Pb	208	1838527.5	1.3	45.8239	0,040	71.4	ug/L	414898	Standard
Ĺ	Bi	209	321782.3	1.1				ug/L	510163	Standard
i	Th	232	392469.9	1.6		0.457	1.0	ug/L	242	KED
	Ni -3	58	416388.9	1.5	44.1143	0.457			100	KED
i	NI -4	60	181625.0	0.7	44.2481	0.139	0.3	ug/L	19	KED
-		62	26674.6	1.4	44.1631	0.362	8.0	ug/L		
!	Ni⊸5			1.8	47.3531	0.608	1.3	ug/L	3	KED
1	As-2	75	28992.4		111000			ug/L	98389	KED
	Y-1	89	91746.0	1.5				ug/L	118370	KED
	Rh-1	103	102165.4	0.4				ug/L	720115	Standard
>	Ge	72	585731.7	0.7					850893	Standard
>	eri I	159	653722.5	0.6				ug/L	99799	KED
>	0.4	72	92808.2	0.6				ug/L	99199	[None land

QC Calculated	varues			
Internal Standard Symbol	Analyte	Mass 60	QC Std % Recovery	Int Std % Recovery
	Ni -1			
	As	75		
	As-1	75		
	Se	77		
	Se -1	78		
	Br	79		
	Se -2	82		
1	Kr	83		
	Ho	165		
	Pb	208		
i	Bi	209		
	Th	232		
į	Ni -3	58		
i	Ni -4	60		
	Ni -5	62		
i	As-2	75		
1	Y-1	89		
	Rh-1	103		04.000
>	Ge	72		81.339
>	Tb	159		76.828
>	Ge-1	72		92.995

Sample ID: 08-183-10b MSD 2X

Sample Date/Time: Tuesday, August 19, 2025 09:17:08 Report Date/Time: Tuesday, August 19, 2025 09:18:58

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-183-10b MSD 2X.034

Results (Mean Data)

Kesurs (Mean Edw)										Mada
			Intonsity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
IS	Analyte	Mass	Intensity		45,9582	0.983	2.1	ug/L	162	Standard
1	NI -1	60	267965.0	0.9		0.251	0.5	ug/L	13407	Standard
İ	As	75	171464.3	1,9	49.2805	0.296	0.6	ug/L	-163	Standard
i	As-1	75	161715.9	1.5	49.1016		1.3	ug/L	118	Standard
1	Se	77	10364.1	1.7	48.4612	0,609		ug/L	13606	Standard
1	Se -1	78	44176.6	3.1	50.0370	1,194	2.4	ug/L	470	Standard
1	Br	79	2824.3	3.2			0.5	**	34	Standard
1	Se -2	82	13574.4	1.3	49.6022	0.256	0.5	ug/L	34	Standard
1	Kr	83	30.0	16.7				ug/L	745954	Standard
1	Но	165	583812.5	8.0			0.3	ug/L ug/L	990	Standard
	Pb	208	1920539.1	0.8	46.6223	1.082	2.3		414898	Standard
l I	Bi	209	330157.0	0.7				ug/L	510163	Standard
1	Th	232	401667.6	0.6			0.0	ug/L ug/L	242	KED
l l	NI -3	58	415924.9	0.7	44.9156	0.145	0.3	_	100	KED
-	Ni -4	60	181530.4	0.6	45.0770	0.054	0.1	ug/L	19	KED
1	Ni -5	62	26847.5	0.6	45.3075	0.083	0.2	ug/L	3	
	As-2	75	28990.4	0.6	48.2639	0.275	0.6	ug/L	98389	KED
1	Y-1	89	91854.1	1.3				ug/L	118370	KED
		103	102709.4	2.5				ug/L		Standard
	Rh-1		583258.2	1.5				ug/L	720115	
>	Ge	72		2.2				ug/L	850893	Standard
>	Tb	159	671351.9					ug/L	99799	KED
>	Ge-1	72	91055.6	0.5				-		

QC Calculate Ca	Values			
Internal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
	As	75		
	As-1	75		
1	Se	77		
	Se -1	78		
	Br	79		
i	Se -2	82		
1	Kr	83		
1	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
i	Ni -3	58		
į	Ni -4	60		
	Ni -5	62		
İ	As-2	75		
ı	Y-1	89		
	Rh-1	103		80.995
>	Ge	72		
>	Tb	159		78.900 04.239
>	Ge-1	72		91.239

Sample ID: 08-183-10b PS 2X

Sample Date/Time: Tuesday, August 19, 2025 09:21:19 Report Date/Time: Tuesday, August 19, 2025 09:23:08

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-183-10b PS 2X.035

Results (Mean Data)

					(M) (M)	SD	RSD	Units	Blank Intens.	Mode
IS	Analyte	Mass	Intensity	RSD	Conc.		1.1	ug/L	162	Standard
1	NI -1	60	208516.0	1,8	36.4274	0.393		ug/L	13407	Standard
i	As	75	138334.8	1.3	39.9485	0.499	1.2		-163	Standard
i	As-1	75	128248.2	1.2	39.6962	0.438	1.1	ug/L	118	Standard
i	Se	77	8357.8	2.4	39.7468	0.948	2.4	ug/L	13606	Standard
	Se -1	78	37061.3	0.7	40.4213	0.877	2.2	ug/L	470	Standard
i	Br	79	2733.9	1.8				ug/L		Standard
1	Se -2	82	10639.3	1.2	39.5936	0,896	2.3	ug/L	34	
ŀ	Kr	83	32.3	1.8				ug/L	34	Standard
1	Ho	165	573323.1	1.6				ug/L	745954	Standard
!	Pb	208	1519909.2	0.8	37.5792	1.207	3.2	ug/L	990	Standard
1		209	323843.4	2.3				ug/L	414898	Standard
1	Bi	232	391929.0	1.1				ug/L	510163	Standard
	Th		328758.8	0.4	36.0017	0.321	0.9	ug/L	242	KED
1	NI -3	58	142867.5	0.5	35.9763	0.262	0.7	ug/L	100	KED
ļ	NI -4	60	21073.9	1.0	36.0666	0.430	1.2	ug/L	19	KED
ļ	NI -5	62	****	0.8	38.6863	0.142	0.4	ug/L	3	KED
I	As-2	75	22910.7		00.0000	2		ug/L	98389	KED
	Y-1	89	89547.5	2.1				ug/L	118370	KED
	Rh-1	103	100388.9	1.1				ug/L	720115	Standard
>	Ge	72	572258.1	1.0				ug/L	850893	Standard
>	Tb	159	659312.4	2,6				ug/L	99799	KED
>	Ge-1	72	89768.5	1.1				ugru	00,00	

<i>1.14</i>	O Calculator va				
Internal St	andard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
		As	75		
		As-1	75		
		Se	77		
j		Se -1	78		
j		Br	79		
j		Se -2	82		
•		Kr	83		
1		Ho	165		
j		Pb	208		
İ		Bi	209		
į		Th	232		
j		Ni -3	58		
		Ni -4	60		
i		Ni -5	62		
į		As-2	75		
,		Y-1	89		
		Rh-1	103		
>		Ge	72		79,468
>		Tb	159		77.485
>		Ge-1	72		89.950

Sample ID: 08-131-01 2X

Sample Date/Time: Tuesday, August 19, 2025 09:25:30 Report Date/Time: Tuesday, August 19, 2025 09:27:19

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-131-01 2X.036

Results (Mean Data)

	1,000,000										
10	Analute	Maga	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode	
IS	Analyte		•	2.2	9,2134	0.379	4.1	ug/L	162	Standard	
	Ni -1	60	57933.6		1,3580	0.031	2.2	ug/L	13407	Standard	
1	As	75	16118.9	2.0	1.4042	0.028	2.0	ug/L	-163	Standard	
	As-1	75	4831.9	4.4		0.018	11.9	ug/L	118	Standard	
-	Se	77	141.7	8.0	0.1510		66.7	ug/L	13606	Standard	
	Se -1	78	11454.6	1.1	-0.3356	0.224	00.7		470	Standard	
i	Br	79	3598.5	3.2				ug/L	34	Standard	
i	Se -2	82	82.7	10.3	0.1070	0.025	23.0	ug/L		Standard	
,	Kr	83	73.3	1.6				ug/L	34		
1	Но	165	612799.8	1.9				ug/L	745954	Standard	
l I		208	88304.7	2.8	2,0292	0.007	0.3	ug/L	990	Standard	
	Pb		339792.7	1.3				ug/L	414898	Standard	
-	BI	209		1,6				ug/L	510163	Standard	
- 1	Th	232	403407.4		10.1725	0.108	1.1	ug/L.	242	KED	
	Ni -3	58	97342.3	1.4		0.175	1.8	ug/L	100	KED	
	Ni -4	60	40582.9	1.4	9.7574	0.173	8.1	ug/L	19	KED	
	Ni -5	62	6143.3	8.3	10.0430			ug/L	3	KED	
	As-2	75	908.4	2.5	1.4528	0.037	2.6		98389	KED	
	Y-1	89	116629.2	1.2				ug/L	118370	KED	
	Rh-1	103	106000.2	0.6				ug/L			
>	Ge	72	625658.4	2.5				ug/L	720115	Standard	
>	Tb	159	709279.1	3.1				ug/L	850893	Standard	
	Ge-1	72	93650.3	0.5				ug/L	99799	KED	
>	~	1 64	2000010								

GO Odiodiatod ve	a i ca co co			
Internal Standard Symbol	Analyte		QC Std % Recovery	Int Std % Recovery
Ţ	Ni -1	60		
	As	75		
	As-1	75		
Ì	Se	77		
İ	Se -1	78		
İ	Br	79		
İ	Se -2	82		
•	Kr	83		
1	Ho	165		
İ	Pb	208		
İ	Bi	209		
İ	Th	232		
İ	Ni -3	58		
	Ni -4	60		
	Ni -5	62		
	As-2	75		
1	Y-1	89		
	Rh-1	103		
>	Ge	72		86.883
>	Tb	159		83.357
>	Ge-1	72		93,839
1.				

Sample ID: 08-131-02 2X

Sample Date/Time: Tuesday, August 19, 2025 09:29:39 Report Date/Time: Tuesday, August 19, 2025 09:31:28

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-131-02 2X.037

Results (Mean Data)

	Results (Mean Daw)									
			Internity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
IS	Analyte		Intensity		0.4710	0.012	2.5	ug/L	162	Standard
	NI -1	60	3200.0	2.7		0.003	1.5	ug/L	13407	Standard
	As	75	11625.3	1.4	0.2384		8.9	ug/L	-163	Standard
i	As-1	75	373.1	12.7	0.1487	0.013			118	Standard
i	Se	77	101.7	3.5	-0,0030	0.023	742.4	ug/L	13606	Standard
i	Se-1	78	11336.2	1.2	0,2808	0.067	23.7	ug/L	470	Standard
i	Br	79	1752.8	1.8		- ~	rr0.0	ug/L	34	Standard
i	Se -2	82	49.7	9.1	0.0028	0.016	556.3	ug/L	34	Standard
'	Kr	83	30.0	23.3				ug/L	745954.	Standard
i	Ho	165	582728.4	1.8				ug/L		
1		208	4092.6	3.0	0.0995	0.002	2.0	ug/L	990	Standard
	Pb		336396.6	0.3				ug/L	414898	Standard
!	BI	209		0.5				ug/L	510163	Standard
-	Th	232	400532.0		0.4751	0.008	1,6	ug/L	242	KED
	Ni -3	58	5063.8	0.9		0.014	3.1	ug/L	100	KED
	NI -4	60	2092.5	3.2	0.4577	0.004	0.8	ug/L	19	KED
	NI -5	62	329.7	1.1	0.5002			ug/L	3	KED
İ	As-2	75	88.3	4.3	0.1263	0.006	5.1	_	98389	KED
	Y-1	89	92709.2	0,5				ug/L	118370	KED
	Rh-1	103	103477.1	0.3				ug/L	720115	Standard
>	Ge	72	596187.3	1.4				ug/L		
>	Tb	159	674901.2	1.2				ug/L,	850893	Standard
1	Ge-1	72	92795.1	0.5				ug/L	99799	KED
>	C. C I	1 4-	~							

QC Calculated Va	aiues			
Internal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
i 	As	75		
1	As-1	75		
i	Se	77		
i	Se -1	78		•
ì	Br	79		
	Se -2	82		
•	Kr	83		
1	Но	165		
	Pb	208		
	Bi	209		
	Th	232		
	Ni -3	58		
	Ni -4	60		
	Ni -5	62		
	As-2	75		
	Y-1	89	·	
	Rh-1	103		00 704
>	Ge	72		82.791
>	Tb	159		79.317
>	Ge-1	72		92.982

Sample ID: QC Std 6

Sample Date/Time: Tuesday, August 19, 2025 09:33:49 Report Date/Time: Tuesday, August 19, 2025 09:35:38

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\QC Std 6.038

Results (Mean Data)

					3010 (1110011	SD.	RSD	Units	Blank Intens.	Mode
IS	Analyte	Mass	Intensity	RSD	Conc.	0.965	2.6	ug/L	162	Standard
ĺ	NI -1	60	224987.2	0.7	37,2030		0.5	ug/L	13407	Standard
i	As	75	148503.0	2.4	40.6229	0.187	0.4	ug/L	-163	Standard
i	As-1	75	137931.9	2.3	40.3909	0.148	1.5	ug/L	118	Standard
i	Se	77	9215.3	3.2	41.4776	0.609	0.8	ug/L	13606	Standard
ì	Se -1	78	39983.2	2.4	41.5911	0.350	0.0	ug/L	470	Standard
i	Br	79	414.3	10.3		0.000	0.9	ug/L	34	Standard
i	Se -2	82	11600.0	2.0	40.8443	0.363	0.0	ug/L	34	Standard
,	Kr	83	32.7	22.1				ug/L	745954	Standard
1	Но	165	579539.2	3.6		4 000	2.7	ug/L	990	Standard
i	Pb	208	1657880.6	1.8	40.0389	1.089	2.1	ug/L	414898	Standard
i	ВІ	209	340419.0	2.6				ug/L	510163	Standard
i	Th	232	404078.3	0.8		0.000	0.9	ug/L	242	KED
i	NI -3	58	356143.0	1.5	38.2319	0.332	0.4	ug/L	100	KED
i	Ni -4	60	154427.9	0.2	38.1227	0.164	0.2	ug/L	19	KED
i	NI -5	62	23069.6	8.0	38.7047	0.072	1.0	ug/L	3	KED
i	As-2	75	24233.9	1.6	40.1122	0.400	1,0	ug/L	98389	KED
	Y-1	89	91118.3	0.3				ug/L	118370	KED
	Rh-1	103	102749.9	0.7				ug/L	720115	Standard
>	Ge	72	604836.3	2.0				ug/L	850893	
>	Tb	159	674806.0	2.1				ug/L	99799	
>	0 - 4	72	91573.9	0.7				ugru	00,00	
, .										

QC Calculated	values			
Internal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery 93.007	Int Std % Recovery
		75	101.557	
	As		100.977	
	As-1	75	103.694	
1	Se	77	103.978	
	Se -1	78	103.870	
1	Br	79	100 111	
	Se -2	82	102.111	
•	Kr	83		
1	Ho	165		
	Pb	208	100.097	
	Bi	209		
	Th	232		
1	Ni -3	58	95.580	
	Ni -4	60	95,307	
1	Ni -5	62	96.762	
1	As-2	75	100.281	
1	Y-1	89		
	Rh-1	103		
1	Ge	72		83,992
>	Tb	159		79.306
\>	Ge-1	72		91.759
>	06-1	1 2		

Sample ID: QC Std7

Sample Date/Time: Tuesday, August 19, 2025 09:37:59 Report Date/Time: Tuesday, August 19, 2025 09:39:49

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\QC Std 7.039

Results (Mean Data)

					Ø-110	SD	RSD	Units	Blank Intens.	Mode
IS	Analyte	• Mass	Intensity	RSD	Conc.	0.868	4.6	ug/L	162	Standard
	Ni -1	60	111458.5	1.2	18.9652		1.7	ug/L	13407	Standard
ĺ	As	75	77520.9	2.3	20.3507	0.349	1.0	ug/L	-163	Standard
i	As-1	75	67085.3	2.5	20.2594	0.209			118	Standard
i	Se	77	4387.3	1.2	20.1132	0,463	2.3	ug/L	13606	Standard
i	Se -1	78	24678.3	2.1	20.4827	0.638	3.1	ug/l_	470	Standard
i	Br	79	365.7	4.4				ug/L	34	Standard
i	Se -2	82	5625.1	3.5	20.3147	0.336	1.7	ug/L	34	Standard
ľ	Kr	83	34.3	21.1				ug/L	745954	Standard
1	Но	165	548782.3	2.1				ug/L	990	Standard
-	Pb	208	795758.3	0.9	20.1776	0.425	2.1	ug/L		Standard
ļ	BI	209	327031.9	1.6				ug/L	414898	
 	Th	232	388079.4	0.7				ug/L	510163	Standard
l I	Ni -3	58	178140.4	1.0	19.4420	0,378	1.9	ug/L	242	KED
1	NI -4	60	77924.0	0.7	19.5612	0,349	1.8	ug/L	100	KED
1	Ni -5	62	11418.2	0.5	19.4829	0,316	1.6	ug/L	19	KED
1		75	12239.9	0.3	20.6200	0.256	1.2	ug/L	3	KED
I	As-2 Y-1	89	88435.9	0.7				ug/L	98389	KED
		103	99003.9	8.0				ug/L	118370	KED
	Rh-1		587193.8	3.5				ug/L.	720115	Standard
>	Ge	72	642778.5	2.7				ug/L	850893	Standard
>	Tb	159	89947.0	1.2				ug/L	99799	KED
>	Ge-1	72	09947.0	1 , 4,						

QC Calculated Values

QC Calculated	Values			
internal Standard Symbol	Analyte		QC Std % Recovery	Int Std % Recovery
	Ni -1	60	94.826	
i	As	75	101.753	
	As-1	75	101.297	
i	Se	77	100.566	
,	Se -1	78	102.413	
j	Br	79		
	Se -2	82	101.574	
•	Kr	83		
1	Но	165		
	Pb	208	100.888	
İ	Bi	209		
i	Th	232		
	Ni -3	58	97.210	
i	Ni -4	60	97.806	
i	Ni -5	62	97.415	
i	As-2	75	103.100	
1	Y~1	89		
	Rh-1	103		
>	Ge	72		81,542
>	Τ̈́b	159		75.542
> >	Ge-1	72		90.128

Sample ID: QC Std 7

Report Date/Time: Tuesday, August 19, 2025 09:39:49

Page 1

Sample ID: QC Std 8

Sample Date/Time: Tuesday, August 19, 2025 09:42:10 Report Date/Time: Tuesday, August 19, 2025 09:43:59

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\QC Std 8.040

Results (Mean Data)

	Vagarra (rategu ratega)										
IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens. 162	Mode Standard	
1	Ni -1	60	190.7	8.8	-0,0338	0.003	9.7	ug/L	13407	Standard	
1	As	75	11101.6	2.1	0.1577	0.020	12.5	ug/L		Standard	
	As-1	75	-39.4	117.7	0.0262	0.014	53.8	ug/L	-163		
1	Se	77	85.3	7.4	-0.0697	0.028	39.7	ug/L	118	Standard	
	Se -1	78	11206.7	2.2	0.4678	0.133	28.5	ug/L	13606	Standard	
1		79	330.7	5.6				ug/L	470	Standard	
1	Br	82	42.3	21.4	-0.0195	0.036	185,4	ug/L	34	Standard	
ı	Se -2		29.3	12.0				ug/L	34	Standard	
	Kr	83	557111.2	2.5				ug/L	745954	Standard	
ļ	Но	165		5.5	0.0246	0.001	5.4	ug/L	990	Standard	
ļ	Pb	208	960.0		O TO MATE			ug/L	414898	Standard	
1	Bi	209	327282.6	1.7				ug/L	510163	Standard	
	Th	232	388267.0	2.1	-0.0314	0.001	2,9	ug/L	242	KED	
	NI -3	58	286.3	3.2	-0.0235	0.001	4.7	ug/L	100	KED	
	NI -4	60	118.0	3.4	-0.0098	0.010	105.2	ug/L	19	KED	
	Ni -5	62	21.7	27.8		0.005	90.2	ug/L	3	KED	
	As-2	75	14.3	21.3	0.0057	0,000	001	ug/L	98389	KED	
	Y-1	89	89388,5	1.0				ug/L	118370	KED	
	Rh-1	103	101699.0	0.4				ug/L	720115	Standard	
>	Ge	72	582853.6	2.3				ug/L	850893	Standard	
>	Tb	159	654605.6	1.6					99799	KED	
İ>	Ge-1	72	91391.4	0.4				ug/L.	00700	r store hor	

go calculated ve	HUGO			
Internal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
		75		
	As			
	As-1	75		
	Se	77		
j	Se -1	78		
j	Br	79		
	Se -2	82		
,	Kr	83		
	Но	165		
İ	Pb	208		
İ	Bi	209		
İ	Th	232		
İ	Ni -3	58		
İ	Ni -4	60		
İ	NI -5	62		
	As-2	75		
•	Y-1	89		
	Rh-1	103		00.000
>	Ge	72		80.939
>	Tb	159		76.932
>	Ge-1	72		91.576

Sample ID: 08-131-03 2X

Sample Date/Time: Tuesday, August 19, 2025 09:48:39 Report Date/Time: Tuesday, August 19, 2025 09:50:28

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-131-03 2X.041

Results (Mean Data)

				1 101	364160 (1112 1111	,				N A1
IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
10	-		2769.9	2,3	0.4224	0.013	3.0	ug/L	162	Standard
1	Ni -1	60		0.9	0.5150	0,028	5.4	ug/L	13407	Standard
	As	75	11943.1		0,2903	0.010	3.4	ug/L	-163	Standard
	As-1	75	808.9	4.2			31.1	ug/L	118	Standard
İ	Se	77	114.7	5.0	0.0836	0.026			13606	Standard
i	Se -1	78	11226.1	1.1	0.9555	0.165	17.3	ug/L	470	Standard
i	Br	79	2863.3	2.4				ug/L		
	Se -2	82	52.7	24.5	0.0231	0,048	208.0	ug/L	34	Standard
i		83	31.3	4.9				ug/L.	34	Standard
	Kr		562269.6	3.6				ug/L	745954	Standard
!	Ho	165			0.0498	0.002	3.4	ug/L	990	Standard
1	Pb	208	1964.1	2.1	0.0700	0144		ug/L	414898	Standard
-	Bi	209	321014.5	1.8				ug/L	510163	Standard
1	Th	232	376318.8	1.4		0.000	1.5	ug/L	242	KED
İ	NI -3	58	4197.6	1.4	0.3923	0.006		-	100	KED
i	NI -4	60	1770.8	2.0	0.3880	0.009	2.3	ug/L	19	KED
ì	Ni -5	62	267.7	5.4	0.4065	0.025	6.2	ug/L		
1	As-2	75	178.3	8.4	0.2793	0.025	9.1	ug/L	3	KED
ı		89	89760.1	0.3				ug/L.	98389	KED
	Y-1		99545.6	1.1				ug/L	118370	KED
	Rh-1	103						ug/L	720115	Standard
>	Ge	72	567429.8	0.3				ug/L	850893	Standard
>	Tb	159	652183.0	1.7				ug/L	99799	KED
>	Ge-1	72	90936.5	0.1				ug/I	00100	

QC Calculated v	alues			
Internal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
	As	75		
	As-1	75		
	Se	77		
i	Se -1	78		
	Br	79		
	Se -2	82		
1	Kr	83		
1	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	NI -3	58		
	Ni -4	60		
	Ni -5	62		
	As-2	75		
,	Y-1	89		
	Rh-1	103		70 707
>	Ge	72		78.797
>	Tb	159		76.647
>	Ge-1	72		91.120

Sample ID: 08-136-01c 2X

Sample Date/Time: Tuesday, August 19, 2025 09:52:49 Report Date/Time: Tuesday, August 19, 2025 09:54:38

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-136-01c 2X.042

Results (Mean Data)

						•				
IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
ı	Ni -1	60	6342.4	2.3	1.0342	0.017	1.7	ug/L	162	Standard
ł		75	13837.9	0.5	1,0391	0.038	3.6	ug/L	13407	Standard
	As A= 4		3115.3	2.8	0,9933	0.025	2.6	ug/L	-163	Standard
	As-1	75		5.7	0.5848	0.055	9.4	ug/L	118	Standard
!	Se	77	221.7		0.1370	0.183	133.6	ug/L	13606	Standard
!	Se -1	78	10877.8	0.4	0,1070	9,100	,,,,,,,	ug/L	470	Standard
1	Br	79	10959.5	2.3	0.4404	0.013	11.6	ug/l_	34	Standard
1	Se -2	82	77.0	3.9	0.1101	0,010	1110	ug/L	34	Standard
	Kr	83	32.0	14.3				ug/L	745954	Standard
	Ho	165	584195.1	3.1		0.004	4.0	-	990	Standard
-	Pb	208	902.3	4.8	0.0226	0.001	4.8	ug/L	414898	Standard
1	Bi	209	323027.2	1.5				ug/L		
-	Th	232	396692.7	1.0				ug/L	510163	Standard
i	Ni -3	58	6237.1	1.8	0.6221	0,015	2.5	ug/L	242	KED
i	NI -4	60	2774.9	2.8	0.6471	0.017	2.6	ug/L	100	KED
i	NI -5	62	394.7	5.2	0.6302	0.038	6.0	ug/L	19	KED
i	As-2	75	562.0	2.8	0.9315	0.025	2.7	ug/L	3	KED
1	Y-1	89	90467.9	1.1				ug/L	98389	KED
	Rh∗1	103	97604.6	0.4				ug/L	118370	KED
1.		72	577073.4	0.7				ug/L	720115	Standard
>	Ge							ug/L	850893	Standard
>	Tb	159	670399.5	1.1				ug/L	99799	KED
>	Ge-1	72	89752.7	0.5				ugru	55700	

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
I	Ni -1	60		•
1	As	75		
1	As-1	75		
!				
	Se	77		
	Se -1	78		
	Br	79		
	Se -2	82		
	Kr	83		
	Но	165		
	Pb	208		
	Bi	209		
	Th	232		
	Ni -3	58		
	Ni -4	60		
	Ni -5	62		
	As-2	75		
	Y-1	89		
	Rh-1	103		
>	Ge	72		80.136
>	Tb	159		78.788
>	Ge-1	72		89.934

Sample ID: 08-136-02c 2X

Sample Date/Time: Tuesday, August 19, 2025 09:56:58 Report Date/Time: Tuesday, August 19, 2025 09:58:48

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-136-02c 2X.043

Results (Mean Data)

				110	34165 (11161111	,	n on	Llatta	Blank Intens.	Mode
18	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units		
ı	NI -1	60	5468.0	2.1	0.9231	0.025	2.7	ug/L	162	Standard
1			17092.9	1.1	2,2726	0.017	0.7	ug/L	13407	Standard
-	As	75			2.0158	0.025	1.2	ug/L	-163	Standard
	As-1	75	6185.5	1.2	0.4562	0.039	8.5	ug/L	118	Standard
	Se	77	186.7	3.3	* *		14.0	ug/L	13606	Standard
İ	Se -1	78	11012.9	1.5	1.0555	0.147	14.0		470	Standard
i	Br	79	8907.4	1.3				ug/L	34	Standard
i	Se -2	82	57.7	5.6	0.0476	0.015	31.9	ug/L		
ı	Kr	83	35.3	7.1				ug/L	34	Standard
		-	564554,9	1.0				ug/L	745954	Standard
	Но	165		5.6	0.0311	0.001	4.3	ug/L	990	Standard
]	Pb	208	1216.4		0,0011			ug/L	414898	Standard
	Bi	209	314491.8	0.8				ug/L	510163	Standard
	Th	232	383901.0	1.5	n #00.4	0.002	0.3	ug/L	242	KED
	NI -3	58	7059.9	0.3	0.7294				100	KED
i	NI ~4	60	2745.9	1.0	0.6551	0.006	1.0	ug/L	19	KED
i	NI -5	62	404.0	6.9	0.6614	0,050	7.5	ug/L		
i	As-2	75	1137.7	2.0	1,9467	0.043	2.2	ug/L	3	KED
1	Y-1	89	87140.0	0.8				ug/L	98389	KED
	-		95546.2	1.2				ug/L	118370	KED
	Rh-1	103						ug/L	720115	Standard
>	Ge	72	553473.9	1.4				ug/L	850893	Standard
>	Tb	159	652186.6	1.3				ug/L	99799	KED
>	Ge-1	72	87813.7	0.2				ug/ L	00700	

QC Calculated Va	llues			
Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
	Ni -1	60		
j	As	75		
İ	As-1	75		
İ	Se	77		
İ	Se -1	78		
j	Br	79		
	Se -2	82		
'	Kr	83		
	Ho	165		
	Pb	208		
j	BI	209		
İ	Th	232		
i	Ni -3	58		
İ	Ni -4	60		
	Ni -5	62		
	As-2	75		
	Y-1	89		
	Rh-1	103		
>	Ge	72		76,859
>	Tb	159		76.647
>	Ge-1	72		87.991

Sample ID: 08-136-03c 2X

Sample Date/Time: Tuesday, August 19, 2025 10:01:08 Report Date/Time: Tuesday, August 19, 2025 10:02:57

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-136-03c 2X.044

Results (Mean Data)

				1 7	Commence (in the second	,				
IS	Analyte	Mace	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
10	-	60	16063.0	2.4	2,7623	0.040	1,5	ug/L	162	Standard
1	Ni -1		26093.6	1.4	4.9532	0.087	1.8	ug/L	13407	Standard
1	As	75		1.5	4,7899	0.042	0.9	ug/L	-163	Standard
	As-1	75	15270.8		0.4609	0.093	20.1	ug/L	118	Standard
	Se	77	193.0	11.2		0.166	23.2	ug/L	13606	Standard
1	Se -1	78	11093,6	1.3	0.7137	0,100	2.0,2.	ug/L	470	Standard
	Br	79	44243.1	0.9		0.070	07.4	ug/L	34	Standard
-	Se -2	82	122.7	18.0	0.2855	0.078	27.1		34	Standard
	Kr	83	28.3	16,3				ug/L	745954	Standard
1	Ho	165	577 54 1.8	2.2				ug/L	990	Standard
i	Pb	208	2208.1	1,0	0.0545	0.001	2.2	ug/L		
i	Bi	209	322938.0	2.1				ug/L	414898	Standard
i	Th	232	397533.7	2.2				ug/L	510163	Standard
ı	Ni -3	58	31298.8	3.0	3.3745	0.073	2.2	ug/L	242	KED
!		60	9685.6	1.1	2,3925	0.008	0.3	ug/L.	100	KED
-	Ni -4		1430.1	2.2	2,4076	0.079	3,3	ug/L	19	KED
	Ni -5	62	28 13,9	3.0	4,7413	0.148	3.1	ug/L	3	KED
i	As-2	75		0.3	411410	•,,,,-		ug/L	98389	KED
	Y-1	89	90407.8					ug/L	118370	KED
	Rh-1	103	96988.5	8.0				ug/L	720115	Standard
>	Ge	72	568746.3	2.3				ug/L	850893	Standard
>	Tb	159	668827.7	2.2					99799	KED
>	Ge-1	72	89665.5	1.1				ug/L	99199	1 Now had

QC Calculated	Adings			
Internal Standard Symbol 	Anal yt e Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
İ	As	75		
İ	As-1	75		
İ	Se	77		
İ	Se -1	78		
İ	Br	79		
İ	Se -2	82		
•	Kr	83		
1	Но	165		
1	Pb	208		
Ì	BI	209		
İ	Th	232		
į	Ni -3	58		
Ì	Ni -4	60		
İ	Ni -5	62		
İ	As-2	75		
·	Y-1	89		
	Rh-1	103		
>	Ge	72		78.980
>	Tb	159		78.603
>	Ge-1	72		89.846

Sample ID: **08**-136-04c 2X

Sample Date/Time: Tuesday, August 19, 2025 10:05:17 Report Date/Time: Tuesday, August 19, 2025 10:07:06

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-136-04c 2X.045

Results (Mean Data)

				110	Salto (inionii		505	1.1mlkm	Blank Intens.	Mode
IS	Analyte	Mace	Intensity	RSD	Conc.	SD	RSD	Units		Standard
10		60	3731.5	2.2	0.6159	0.016	2.6	ug/L	162	
!	Ni -1		11855.0	1.4	0.6220	0.018	3.0	ug/L	13407	Standard
!	As	75		3.4	0.3887	0,009	2.2	ug/L	-163	Standard
	As-1	75	1085.4		0.5851	0.089	15.3	ug/L	118	Standard
1	Se	77	210.3	7.9	1.1057	0,101	9.1	ug/L	13606	Standard
	Se -1	78	10928.8	1.4	1.1007	0,101	***	ug/L	470	Standard
	Br	79	20252.3	1.1	0.4040	0,045	34.4	ug/L	34	Standard
1	Se -2	82	78.7	15.7	0.1316	0,040	Ç)"Tı"T	ug/L	34	Standard
'	Kr	83	27.3	7.6				-	745954	Standard
1	Но	165	549399.2	8.0			0.0	ug/L	990	Standard
i	Pb	208	1323.0	1.5	0.0343	0,001	2.8	ug/L	414898	Standard
1	BI	209	311681.4	1.2				ug/L		Standard
	Th	232	377780.7	1.2				ug/L	510163	
1		58	2556.2	2.2	0.2318	0.004	1.6	ug/L	242	KED
-	Ni -3		1116.4	2.5	0.2425	0.007	3.1	ug/L	100	KED
	Ni -4	60	171.7	7.9	0.2622	0.024	9.0	ug/L	19	KED
!	NI -5	62		1.3	0.3156	0.006	2.0	ug/L	3	KED
	As-2	75	188.3		0,0100	4,4		ug/L	98389	KED
	Y-1	89	85328.4	0.2				ug/L	118370	KED
	Rh-1	103	92917.5	0.2				ug/L	720115	Standard
>	Ge	72	547661.0	1.1				ug/L	850893	Standard
>	Tb	159	641530.3	1.3					99799	KED
>	Ge-1	72	85597.7	1.0				ug/L	55100	1 1 from her

QC Calculated va	แนซอ			
Internal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
1	As	75		
1	As-1	75		
1	Se	77		
1	Se -1	78		
	Br	79		
1	Se -2	82		
	Kr	83		
1	Но	165		
i	Pb	208		
i	Bi	209		
	Th	232		
	Ni -3	58		
	NI -4	60		
	Ni -5	62		
	As-2	75		
•	Y-1	89		
	Rh-1	103		70.050
>	Ge	72		76.052
>	Tb	159		75.395
>	Ge-1	72		85.770

Sample ID: 08-136-05c 2X

Sample Date/Time: Tuesday, August 19, 2025 10:09:26 Report Date/Time: Tuesday, August 19, 2025 10:11:14

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Synglstix\ICPMS\DataSet\Y250819A\08-136-05c 2X.046

Results (Mean Data)

				170	agaica (moviii »			C. London	Blank Intens.	Mode
IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	162	Standard
10	-	60	8083.3	0.4	1.4038	0.023	1.7	ug/L		
Į	NI -1			1.9	0.5781	0.085	14.6	ug/L	13407	Standard
1	As	75	11784.2		0.3752	0.011	3.0	ug/L	-163	Standard
1	As-1	75	1049.1	3.0	0.3967	0.073	18.4	ug/L	118	Standard
	Se	77	174.0	9.5		0.366	35.7	ug/L	13606	Standard
i	Se -1	78	10938.5	1.7	1.0265	0.300	30.1	ug/L	470	Standard
i	Br	79	28974.7	2.0		0.040	24.4	ug/L	34	Standard
i	Se -2	82	96.0	11.7	0.1979	0,048	24.1	ug/L	34	Standard
•	Kr	83	29.7	24.4				ug/L	745954	Standard
1	Но	165	575482.4	2.1		r. 004	4.8	ug/L	990	Standard
i	Pb	208	1075.7	6.8	0.0268	0.001	4.0	ug/L	414898	Standard
i	Bi	209	313231.0	1.6				ug/L	510163	Standard
i	Th	232	380676.0	1.5			4.4		242	KED
ì	NI -3	58	9243.2	2.1	1.0098	0,014	1.4	ug/L	100	KED
1	NI -4	60	4098.3	0.2	1.0402	0.010	1.0	ug/L	19	KED
		62	620.0	7.2	1.0770	0.076	7.1	ug/L		
ţ	NI -5		194.7	8.7	0.3298	0.032	9.8	ug/L	3	KED
1	As-2	75		0.9				ug/L	98389	KED
	Y-1	89	85658.1					ug/L	118370	KED
	Rh-1	103	92450.2	0.5				ug/L	720115	Standard
>	Ge	72	550705.7	1.2				ug/L	850893	Standard
İ>	Тb	159	671873.7	1.8					99799	KED
>	Ge-1	72	84889.1	0.9				ug/L	00100	

	QC Calculated v	aiues			
Internal	Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
		As	75		
1		As-1	75		
1		Se	77		
		Se -1	78		
		Br	79		
		Se -2	82		
1		Kr	83		
		Но	165		
i		Pb	208		
		Bl	209		
i		Th	232		
i		Ni -3	58		
İ		Ni -4	60		
İ		Ni -5	62		
i		As-2	75		
,		Y-1	89		
		Rh-1	103		70 475
>		Ge	72		76.475
>		Tb	159		78.961
>		Ge-1	72		85,060

Sample ID: 08-136-06c 2X

Sample Date/Time: Tuesday, August 19, 2025 10:13:34 Report Date/Time: Tuesday, August 19, 2025 10:15:22

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkInElmer Syngistix\ICPMS\DataSet\Y250819A\08-136-06c 2X.047

Results (Mean Data)

	A was in many or I am			,						
IS	Analyte	Mage	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
10	-		3437.4	2.1	0.5820	0.004	0.7	ug/l₋	162	Standard
	Ni -1	60			0.7097	0.088	12.4	ug/L	13407	Standard
	As	75	11748.0	0.5		0.021	5.4	ug/L	-163	Standard
	As-1	75	1045.2	5.2	0.3866		11.2	ug/L	118	Standard
1	Se	77	229.0	4.3	0.7163	0.080			13606	Standard
i	Se -1	78	10843.8	1.0	1.5250	0.410	26.9	ug/L		Standard
	Br	79	19707.6	1.5				ug/L	470	
1	Se -2	82	71.3	1.6	0.1122	0.011	9.8	ug/L	34	Standard
		83	30.0	20,3				ug/L	34	Standard
	Kr			1.3				ug/L	745954	Standard
	Но	165	554612.6		0.0319	0.002	5.1	ug/L	990	Standard
	Pb	208	1241.0	4.7	0.0010			ug/L	414898	Standard
	Bi	209	308588.1	0.8				ug/L	510163	Standard
	Th	232	371163.4	1.7		0.005	2,2	ug/L	242	KED
1	Ni -3	58	2322.7	1.3	0.2114	0.005			100	KED
İ	NI -4	60	1045.0	2.5	0.2303	0.007	3,2	ug/L	19	KED
i	NI -5	62	150.7	7.9	0.2311	0.023	10.2	ug/L		
ì	As-2	75	183.0	7.4	0.3139	0.023	7.3	ug/L	3	KED
ı	Y-1	89	83679.4	0.9				ug/L	98389	KED
			91373.6	1.1				ug/L	118370	KED
	Rh∗1	103						ug/L	720115	Standard
>	Ge	72	530877.5	2.4				ug/L	850893	Standard
>	Tb	159	648600.3	0,6				ug/L	99799	KED
>	Ge-1	72	83567.4	0.5				ug/ L	00,00	

QO Calculated	varugo			
Internal Standard Symbol I	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
İ	As	75		
	As-1	75		
	Se	77		
	Se -1	78		
i	Br	79		
i	Se -2	82		
•	Kr	83		
1	Но	165		
İ	Pb	208		
	Bi	209		
İ	Th	232		
	Ni -3	58		
	Ni -4	60		
İ	Ni -5	62		
	As-2	75		
•	Y-1	89		
	Rh-1	103		70 704
>	Ge	72		73.721
>	Tb	159		76,226
>	Ge-1	72		83.736

Sample ID: MB0819D1 2X

Sample Date/Time: Tuesday, August 19, 2025 10:17:43 Report Date/Time: Tuesday, August 19, 2025 10:19:32

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\MB0819D1 2X.048

Results (Mean Data)

	Legalia (modification)											
IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens. 162	Mode Standard		
10	Ni -1	60	164.0	6.3	-0.0366	0.002	5.6	ug/L.		Standard		
-		75	10721.0	1.7	0.2423	0.061	25.2	ug/l_	13407			
1	As		-92.1	64.4	0.0082	0,020	239.4	ug/L	-163	Standard		
	As-1	75 77	87.7	2.4	-0.0333	0.007	20.5	ug/L.	118	Standard		
ļ	Se	77		1.5	0.9377	0.317	33.8	ug/L	13606	Standard		
	Se -1	78	10853.8	6.1	0,000			ug/L	470	Standard		
	Br	79	718.4		-0.0509	0.023	45.4	ug/L	34	Standard		
	Se -2	82	32.0	19.5	-0,000			ug/L	34	Standard		
	Kr	83	35.7	18.7				ug/L	745954	Standard		
	Ho	165	579844.3	0.7	0.0214	0.001	2.8	ug/L	990	Standard		
	Pb	208	861.0	4.1	0.02.14	0,001	- N 1 47	ug/L	414898	Standard		
	ВІ	209	336638.9	1.2				ug/L	510163	Standard		
	Th	232	387875.0	8.0	0.000	0.002	4.8	ug/L	242	KED		
į	Ni -3	58	254.3	5.3	-0.0338		19.7	ug/L	100	KED		
İ	NI -4	60	117.3	15.1	-0.0226	0.004		ug/L	19	KED		
i	NI -5	62	18.7	11.2	-0.0137	0.004	27.1		3	KED		
i	As-2	75	4.3	58.1	-0.0106	0.004	41.0	ug/L	98389	KED		
1	Y-1	89	88592.5	8.0				ug/L	118370	KED		
	 Rh∗1	103	98947.5	1.2				ug/L		Standard		
1 ~	Ge	72	549229.4	1.2				ug/L	720115			
>	Tb	159	678481.6	1.3				ug/L	850893	Standard		
>	Ge-1	72	88002.2	0.6				ug/L	99799	KED		
>	GG-1	1 2-	OOOOMIM									

©C Calculated Va	lues			
Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
	Ni -1	60		
	As	75		
	As-1	75		
	Se	77		
	Se -1	78		
	Br	79		
	Se -2	82		
·	Kr	83		
	Ho	. 165		
	Pb	208		
	Bi	209		
j	Th	232		
	Ni -3	58		
	Ni -4	60		
İ	NI -5	62		
İ	As-2	75		
,	Y-1	89		
	Rh-1	103		70.070
>	Ge	72		76.270
>	Tb	159		79,738
>	Ge-1	72		88.180

Sample ID: SB0819D1 2X

Sample Date/Time: Tuesday, August 19, 2025 10:21:52 Report Date/Time: Tuesday, August 19, 2025 10:23:41

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\SB0819D1 2X.049

Results (Mean Data)

	Keanis (Mean ram)										
IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens. 162	Mode Standard	
l (60	216644.8	1.0	39.4102	0.616	1.6	ug/L			
!	Ni -1		135374.2	0.6	40.7591	0.307	8,0	ug/L	13407	Standard	
!	As	75		0.8	40.4746	0.099	0.2	ug/L	-163	Standard	
	As-1	75	125612.9		41.5029	0.622	1,5	ug/L	118	Standard	
	Se	77	8379.1	1.7	42.5450	0,381	0.9	ug/L	13606	Standard	
	Se -1	78	36933.7	0.7	42.0400	0,001	*.*	ug/L	470	Standard	
1	Br	79	503.3	4.8		0.630	1.5	ug/L	34	Standard	
į	Se -2	82	10716.7	2.3	41.5173	0.632	1.0	ug/L	34	Standard	
'	Kr	83	28.7	23.2					745954	Standard	
1	Но	165	578701.3	1.6			0.77	ug/L	990	Standard	
i	Pb	208	1626670.7	0.7	39,4439	0.268	0.7	ug/L	414898	Standard	
1	BI	209	331992.6	0.9				ug/L.		Standard	
1	Th	232	388735.6	1.3				ug/L	510163		
1		58	337475.9	0.4	37.9099	0.401	1.1	ug/L	242	KED	
1	Ni ~3		146049.1	0.4	37.7257	0.305	8,0	ug/L	100	KED	
	NI -4	60		1,1	37.7644	0.437	1.2	ug/L	19	KED	
ļ	NI -5	62	21511.9		40.0797	0.735	1.8	ug/L	3	KED	
1	As-2	75	23139.7	1.6	40.0707	211		ug/L	98389	KED	
	Y-1	89	87708.4	8.0				ug/L	118370	KED	
	Rh-1	103	99206.3	0.7				ug/L	720115	Standard	
>	Ge	72	549704.2	1.0				ug/L	850893	Standard	
İ>	Tb	159	671935.3	1.3				-	99799	KED	
>	Ge-1	72	87516.6	0.7				ug/L	33100	1 1200 100	
1-		*									

QC Calculated	varues			
Internal Standard Symbol	Analyte		QC Std % Recovery	Int Std % Recovery
	Ni -1	60		
	As	75		
	As-1	75		
	Se	77		
	Se -1	78		
	Br	79		
i	Se -2	82		
•	Kr	83		
1	I-lo	165		
i	Pb	208		
	Bi	209		
	Th	232		
i	Ni -3	58		
	Ni -4	60		
i	Ni -5	62		
	As-2	75		
'	Y-1	89		
	Rh-1	103		70.000
>	Ge	72		76,336
>	Tb	159		78.968
>	Ge-1	72		87.693

Sample ID: 08-136-01d 2X

Sample Date/Time: Tuesday, August 19, 2025 10:27:43 Report Date/Time: Tuesday, August 19, 2025 10:29:33

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-136-01d 2X.050

Results (Mean Data)

				176	Suits (moan	,			mat 1 1 1 1 1 1 1 1 1	Mada
		1.6	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
IS	Analyte			2.3	1.2449	0.029	2.3	ug/L	162	Standard
	Ni -1	60	6963.7		1.5120	0.037	2.5	ug/L	13407	Standard
	As	75	14161.0	8.0		0.019	1.6	ug/L	-163	Standard
i	As-1	75	3578.7	1.7	1.2288		13.6	ug/L	118	Standard
i	Se	77	211.3	7.8	0.6214	0.085			13606	Standard
	Se -1	78	10769.4	1.0	1.3644	0.184	13.5	ug/L	470	Standard
	Br	79	12378.0	2.5			4 00 1001	ug/L	34	Standard
1	Se -2	82	89,3	8.5	0.1839	0,031	16.7	ug/L	34	Standard
j		83	30,3	11.6				ug/L		Standard
	Kr		532134.6	1.4				ug/L	745954	
!	Но	165	566.3	5.5	0.0155	0.001	6.5	ug/L	990	Standard
1	Pb	208			7,0,0			ug/L	414898	Standard
	BI	209	296523.4	1.1				ug/L	510163	Standard
	Th	232	358134.7	0.6	n. ## (A. K.) (A	0.012	1.6	ug/L	242	KED
i	Ni -3	58	6775.8	1.4	0.7650			ug/L	100	KED
i	NI -4	60	2957.6	0.4	0.7774	0.003	0.4		19	KED
	Ni -5	62	450.7	7.8	0.8132	0.067	8.3	ug/L	3	KED
i I		75	624.7	6.8	1.1564	0.080	6.9	ug/L	•	
ŀ	As-2		79572.0	1.1				ug/L	98389	KED
	Y-1	89		1.2				ug/L	118370	KED
	Rh-1	103	86466.2					ug/L	720115	Standard
>	Ge	72	531822.3	0.1				ug/L	850893	Standard
>	Tb	159	624426.1	1.9				ug/L	99799	KED
>	0 4	72	80652.0	0.1				ug/L	00100	,

QC Calculated va	แนะร			
Internal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
	As	75		
	As-1	75		
	Se	77		
	Se -1	78		
	Br	79		
	Se -2	82		
	Kr	83		
1	Но	165		
i	Pb	208		
	Bi	209		
•	Th	232		•
	Ni -3	58		
İ	Ni -4	60		
	Ni -5	62		
	As-2	75		
1	Y-1	89		
	Rh-1	103		70 0F0
>	Ge	72		73.852
>	Tb	159		73.385
>	Ge-1	72		80.815

Sample ID: QC Std 6

Sample Date/Time: Tuesday, August 19, 2025 10:31:54 Report Date/Time: Tuesday, August 19, 2025 10:33:43

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\QC Std 6.051

Results (Mean Data)

					Comp	SD	RSD	Units	Blank Intens.	Mode
IS	Analyte	Mass	Intensity	RSD	Conc.	1.542	4.1	ug/L	162	Standard
	NI -1	60	212535.1	2.0	37.2630	0.388	1.0	ug/L	13407	Standard
İ	As	75	140792.3	1.3	40.8490		0.7	ug/L	-163	Standard
ĺ	As-1	75	131258.4	1.5	40.7484	0.270	1.3	ug/L	118	Standard
i	Se	77	8869.8	0.9	42.3417	0.538		ug/L	13606	Standard
i	Se -1	78	38249.5	1.6	42.4177	0.929	2.2	ug/L ug/L	470	Standard
i	Br	79	559,3	3.2		0.000	0.77	ug/L ug/L	34	Standard
ĺ	Se -2	82	11324.2	2.2	42.2712	0,309	0.7	ug/L	34	Standard
•	Kr	83	29.7	10.8					745954	Standard
1	Ho	165	574178.9	0.7		0 5 47	4.4	ug/L ug/L	990	Standard
i	Pb	208	1595760.7	1.2	38.9594	0.547	1.4		414898	Standard
i	Bi	209	331146.9	1.4				ug/L	510163	Standard
i	Th	232	380966.3	0.6		- 100	0.0	ug/L	242	KED
ì	NI -3	58	325725.1	0.2	37.6606	0.122	0.3	ug/L	100	KED
i	NI -4	60	141885.8	0.6	37.7234	0.168	0.4	ug/L	19	KED
i	Ni -5	62	20705.3	0.4	37,4129	0.103	0.3	ug/L	3	KED
	As-2	75	22521.7	1.3	40.1524	0.626	1.6	ug/L.	98389	KED
1	Y-1	89	85902.2	1.4				ug/L		KED
	Rh-1	103	96223.7	1.3				ug/L	118370	
>	Ge	72	570592.5	2.2				ug/L	720115	Standard
>	Tb	159	667377.6	1.3				ug/L	850893	Standard
>	Ge-1	72	85024.3	0.4				ug/L	99799	KED

QC Calculated Values

QC Calculated	Values			
Internal Standard Symbol	Analyte		QC Std % Recovery	Int Std % Recovery
	Ni -1	60	93.158	
i	As	75	102.122	
İ	As-1	75	101.871	
	Se	77	105.854	
	Se -1	78	106.044	
	Br	79		
	Se -2	82	105.678	
'	Kr	83		
	Но	165		
	Pb	208	97.399	
	Bi	209		
i	Th	232		
i	Ni -3	58	94.151	
i	Ni -4	60	94,309	
ì	Ni -5	62	93.532	
1	As-2	75	100.381	
'	Y-1	89		
	Rh-1	103		wo 000
>	Ge	72		79.236
>	Tb	159		78,433
>	Ge-1	72		85.196

Sample ID: QC Std 7

Sample Date/Time: Tuesday, August 19, 2025 10:36:04 Report Date/Time: Tuesday, August 19, 2025 10:37:53

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\QC Std 7.052

Results (Mean Data)

Leadita (modil seed)											
			Luda waltu	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode	
IS	Analyte		Intensity		19.1560	0.213	1.1	ug/L	162	Standard	
1	Ni -1	60	104912.2	0.5		0.306	1.5	ug/L	13407	Standard	
ĺ	As	75	73774.5	1.7	20.8673	0,225	1.1	ug/L	-163	Standard	
i	As-1	75	63213.8	1.7	20.4995		1.0	ug/L	118	Standard	
i	Se	77	4262.6	2.4	20.9965	0.205		ug/L	13606	Standard	
	Se -1	78	24050.2	2.0	22.1911	0.263	1.2	-	470	Standard	
1	Br	79	453.7	4.7			4.5	ug/L	34	Standard	
1		82	5328.7	3.3	20.6672	0,390	1.9	ug/L	34	Standard	
ı	Se -2	83	28.3	13.4				ug/L			
	Kr		563150.6	2.5				ug/L.	745954	Standard	
	Но	165		2.7	19.6628	0.295	1.5	ug/L	990	Standard	
	Pb	208	781835.6	3.7	1			ug/L	414898	Standard	
ļ	Bl	209	316575.4					ug/L	510163	Standard	
	Th	232	362316.7	1.8	18.8342	0.037	0.2	ug/L	242	KED	
	Ni -3	58	161084.1	1.6		0.068	0.4	ug/L	100	KED	
ĺ	Ni -4	60	70394.4	1.4	18.9319	0.205	1.1	ug/L	19	KED	
i	Ni -5	62	10363.4	2.1	18.9446		0.9	ug/L	3	KED	
i	As-2	75	11202.7	2.4	20.2195	0.174	0.9	ug/L	98389	KED	
'	Y-1	89	84441.9	1.6					118370	KED	
	Rh-1	103	93453.2	2.8				ug/L	720115		
1.	~	72	546700.3	1.5				ug/L.			
>		159	647769.3	1.4				ug/L	850893		
>	~ 4		83939.9	1,6				ug/L	99799	KED	
>	Ge-1	72	00909,9	1.9							

GC Calculated	ACHMOO			
Internal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery 95.780	Int Std % Recovery
	As	75	104.336	
	As-1	75	102.497	
!	Se	77	104.983	
	Se -1	78	110.955	
	Br	79		
	Se -2	82	103.336	
	Kr	83		
1	Но	165		
	Pb	208	98.314	
i	Bi	209		
	Th	232		
	Ni -3	58	94.171	
	Ni -4	60	94.660	
	Ni -5	62	94.723	
	As-2	75	101.097	
ı	Y-1	89		
	Rh-1	103		75 049
>	Ge	72		75.918
>	Tb	159		76.128
>	Ge-1	72		84.109

Sample ID: QC Std 8

Sample Date/Time: Tuesday, August 19, 2025 10:40:15 Report Date/Time: Tuesday, August 19, 2025 10:42:04

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\QC Std 8.053

Results (Mean Data)

	the many framework to the second											
IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode		
i		60	157.7	7.8	-0.0390	0,003	6.6	ug/L	162	Standard		
- !	Ni -1		10935.5	1.5	0.1629	0.031	18,8	ug/L	13407	Standard		
ļ	As	75			0.0210	0.009	43.5	ug/L	-163	Standard		
1	As-1	75	-54.7	52.9			441.5	ug/L	118	Standard		
	Se	77	96.0	13.6	-0.0123	0.054			13606	Standard		
	Se -1	78	11060.6	1.4	0.5266	0.151	28.7	ug/L				
i	Br	79	376.0	4.0				ug/L	470	Standard		
i	Se -2	82	44.0	21.9	-0.0116	0.033	283.0	ug/L	34	Standard		
ı		83	23.7	6.5				ug/L	34	Standard		
	Kr							ug/L	745954	Standard		
ļ	Но	165	588089.7	2.5	0.0242	0.000	8,0	ug/L	990	Standard		
-	Pb	208	983.0	2.7	U.U&44	0.000	0,0	ug/L	414898	Standard		
	BI	209	334930.5	1.3					510163	Standard		
- [Th	232	381934.3	1.4				ug/L				
İ	NI -3	58	238,4	2.1	-0.0353	0,001	1.8	ug/L	242	KED		
i	NI -4	60	95.7	7.9	-0.0279	0.002	7.3	ug/L	100	KED		
i	Ni -5	62	18.0	20.0	-0.0145	0,006	44.0	ug/L	19	KED		
1	As-2	75	10.0	20.0	-0.0007	0.003	476.9	ug/L	3	KED		
1				0.9	• • • • • • • • • • • • • • • • • • • •			ug/L	98389	KED		
	Y-1	89	88313.5					ug/L	118370	KED		
	Rh-1	103	99097.2	1.4					720115	Standard		
>	Ge	72	573272.2	1.8				ug/L		Standard		
>	Tb	159	681545.0	2.3				ug/L	850893			
>	Ge-1	72	87127.6	0.6				ug/L	99799	KED		

GEO Galculated	values			
Internal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
	As	75		
	As-1	75		
	Se	77		
	Se -1	78		
	Br	79		
	Se -2	82		
•	Kr	83		
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	NI -3	58		
	Ni -4	60		
	Ni -5	62		
	As-2	75		
	Y-1	89		
	Rh-1	103		70.000
>	Ge	72		79.608
>	Tb	159		80.098
>	Ge-1	72		87.303

Sample ID: 08-136-01d D 2X

Sample Date/Time: Tuesday, August 19, 2025 10:45:15 Report Date/Time: Tuesday, August 19, 2025 10:47:05

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-136-01d D 2X.054

Results (Mean Data)

Results (Mean Data)										
			. Into polity	RSD	Conc.	SD	RSD	Units		Mode
IS	Analyte		Intensity		1.2921	0.054	4.2	ug/L	162	Standard
	Ni -1	60	6975.0	2.0		0.082	4.8	ug/L	13407	Standard
i	As	75	14250.6	0,6	1.7046		3.3	ug/L	-163	Standard
ì	As-1	75	3640.3	2.6	1.2904	0.042		ug/L	118	Standard
1	Se	77	216.7	7.9	0.6860	0.068	9,9		13606	Standard
l L		78	10804.1	1.5	2.0252	0,308	15.2	ug/L	470	Standard
ļ	Se -1		13186.8	3.2				ug/L		
ļ	Br	79	92,0	16.0	0.2066	0,056	27.0	ug/L	34	Standard
	Se -2	82						ug/L	34	Standard
	Kr	83	29.0	6.0				ug/L	745954	Standard
	Но	165	516218.1	2.7	0.0450	0.001	3.8	ug/L	990	Standard
İ	Pb	208	529.3	5,3	0.0152	0.001	0.0	ug/L	414898	Standard
i	Ві	209	282001.2	2.4				ug/L	510163	Standard
i	Th	232	333229.5	0.9			4.0		242	KED
1	NI -3	58	6982.4	0.6	0.8219	0.010	1.2	ug/L		KED
			3043.7	3,6	0.8332	0.028	3.4	ug/L	100	
	Ni -4	60		7.6	0.8398	0.064	7.7	ug/L	19	KED
	NI -5	62	448.0		1.2976	0.071	5.5	ug/L	3	KED
	As-2	75	674.7	5.6	1.2.010	0,0,		ug/L	98389	KED
	Y-1	89	76699.0	1.2				ug/L	118370	KED
	Rh-1	103	83018.2	0.6					720115	
>	Ge	72	514482.8	2.0				ug/L	850893	
- 1	Τb	159	596047.8	2.1				ug/L		
>		72	77761.4	0.5				ug/L.	99799	VED
>	Ge-1	1 %	11101.4	Ψ·1						

QC Calculated Values

QC Galculated	values			
Internal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
1	As	75		
i	As-1	75		
	Se	77		
i	Se -1	78		
1	Br	79		
	Se -2	82		
'	Kr	83		
1	Но	165		
	Pb	208		
i	Bi	209		
ì	Th	232		
İ	Ni -3	58		
i	Ni -4	60		
i	Ni ~5	62		
i	As-2	75		
•	Y-1	89		
	Rh-1	103		71,445
>	Ge	72		70.050
>	Tb	159		77.918
>	Ge-1	72		018.11

Sample ID: 08-136-01d D 2X

Report Date/Time: Tuesday, August 19, 2025 10:47:05

Page 1

Sample ID: 08-136-01d L 10X

Sample Date/Time: Tuesday, August 19, 2025 10:49:26 Report Date/Time: Tuesday, August 19, 2025 10:51:15

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-136-01d L 10X.055

Results (Mean Data)

	Results (Mean Data)										
			1. 1	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode	
IS	Analyte	M ass	Intensity		0.2383	0.012	5.2	ug/L	162	Standard	
	Ni -1	60	1645.4	3.2		0.066	15.2	ug/L	13407	Standard	
ĺ	As	75	11129.5	0.6	0.4320	0.020	7.7	ug/L	-163	Standard	
i	As-1	75	688.4	8.1	0.2634		60.0	ug/L	118	Standard	
i	Se	77	108.7	9.4	0.0803	0.048	35.6	ug/L	13606	Standard	
i	Se -1	78	10527.2	0.1	0.6789	0.241	30.0	ug/L	470	Standard	
	Br	79	2854.0	2.7		10	04.4		34	Standard	
	Se -2	82	49.3	8.2	0,0198	0.016	81.1	ug/L	34	Standard	
ı	Kr	83	30.0	16.7				ug/L	745954	Standard	
i	Ho	165	549183.7	1.2				ug/L	990	Standard	
1		208	711.0	2.3	0.0188	0.001	3.2	ug/L	414898	Standard	
- 1	Pb		315638.3	1.8				ug/L		Standard	
ļ	BI	209	365016.6	0.5				ug/L	510163		
	Th	232		1.7	0.1469	0.003	1.9	ug/L	242		
	NI -3	58	1747.6	1.4	0.1546	0.002	1.6	ug/L	100	KED	
ļ	NI -4	60	753.7		0.1655	0.022	13.5	ug/L	19	KED	
1	NI -5	62	113.3	11.0		0.021	7.4	ug/L	3	KED	
	As-2	75	163.3	6.6	0.2830	0,02,1		ug/L	98389	KED	
·	Y-1	89	82048.6	1.4				ug/L	118370	KED	
	Rh-1	103	90142.2	1.5				ug/L	720115		
>		72	540795.1	1.3				ug/L	850893		
>	Tb	159	641857.0	1.0					99799		
>	0 - 4	72	82265.5	0.5				ug/L	99100	\$ 3 km Pof	

QC Calculated Values

QC Calculated Va	lues			
Internal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
1	As	75	·	
	As-1	75		
	Se	77		
	Se -1	78		
	Br	79		
i	Se -2	82		
•	Kr	83		
1	Ho	165		
	Pb	208		
	Bl	209		
	Th	232		
	NI -3	58		
	NI -4	60		
	Ni -5	62		
	As-2	75		
·	Y-1	89		
	Rh-1	103		75.098
>	Ge	72		75.433
>	Tb	159		82,431
>	Ge-1	72		02,401

Sample ID: 08-136-01d L 10X

Report Date/Time: Tuesday, August 19, 2025 10:51:15

Page 1

Sample ID: 08-136-01d MS 2X

Sample Date/Time: Tuesday, August 19, 2025 10:53:35 Report Date/Time: Tuesday, August 19, 2025 10:55:23

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-136-01d MS 2X.056

Results (Mean Data)

					Selles (Income	SD	RSD	Units	Blank Intens.	Mode
IS	Analyte	Mass	Intensity	RSD	Conc.	0.754	1.9	ug/L	162	Standard
ŀ	Ni -1	60	192455.8	1.3	38.7768		1.2	ug/L	13407	Standard
i	As	75	136448.2	1.2	45.8802	0.538	1.3	ug/L	-163	Standard
i	As-1	75	127265.3	1.3	45.4155	0.613	0.2	ug/L	118	Standard
i	Se	77	8583.6	1.2	47.1530	0.092		ug/L	13606	Standard
	Se -1	78	36914.0	1.0	48.8554	0.993	2.0		470	Standard
ì	Br .	79	11926.0	1.0			~ ^	ug/L	34	Standard
İ	Se -2	82	10935.9	2.3	46.9565	1.308	2.8	ug/L	34	Standard
i	Kr	83	34.3	17.8				ug/L	745954	Standard
1	Но	165	509483.0	0.5			4.0	ug/L	990	Standard
1	Pb	208	1382615.5	0.6	38.4645	0.702	1.8	ug/L	414898	Standard
1	ВІ	209	279732.2	1.3				ug/L	510163	Standard
1	Th	232	338262.0	0.7				ug/L	242	KED
1	NI -3	58	285233.5	0.3	37.1278	0.277	0.7	ug/L	100	KED
1	NI -4	60	124084.2	0.5	37.1406	0.158	0.4	ug/L	19	KED
1	NI -5	62	18315.4	8.0	37.2576	0.103	0.3	ug/L	3	KED
1	As-2	75	21903.4	1.1	43.9649	0.614	1.4	ug/L	_	KED
ì	7.5°2 Y-1	89	75167.6	1.3				ug/L	98389	
	Rh-1	103	81456.0	2.0				ug/L	118370	KED
1		72	496302.4	1.0				ug/L	720115	Standard
>	Ge	159	585765.1	1,9				ug/L	850893	Standard
>	Tb		75522.8	0.6				ug/L	99799	KED
>	Ge-1	72	10022.0	0.0						

QC Calculated Va	llues			
Internal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
i	As	75		
i	As-1	75		
	Se	77		
i	Se -1	78		
	Br	79		
	Se -2	82		
•	Kr	83		
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Ni -3	58		
	Ni -4	60		
	Ni -5	62		
	As-2	75		
·	Y-1	89		
	Rh-1	103		60.000
>	Ge	72		68.920
>	Tb	159		68,841
>	Ge-1	72		75.675

Sample ID: 08-136-01d MSD 2X

Sample Date/Time: Tuesday, August 19, 2025 10:57:43 Report Date/Time: Tuesday, August 19, 2025 10:59:32

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkInElmer Syngistix\ICPMS\DataSet\Y250819A\08-136-01d MSD 2X.057

Results (Mean Data)

	Kesuits (Mean Data)									
IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens. 162	Mode Standard
13	Ni -1	60	187171.4	1.5	34.8970	0.271	8.0	ug/L.	13407	Standard
1	As	75	134813.3	1.4	41.6806	0.354	8.0	ug/l_ ug/l	-163	Standard
i	As-1	75	125646.4	1.6	41.5047	0.380	0.9	ug/L ug/L	118	Standard
İ	Se	77	8567.2	2.4	43.5335	1.264	2.9 1.0	ug/L ug/L	13606	Standard
į	Se -1	78	36707.4	0.4	43.6635	0.416	1.0	ug/L	470	Standard
i	Br	79	12247.9	1.4	40.4.400	0.089	0.2	ug/L	34	Standard
i	Se -2	82	10860.8	0.5	43.1486	0.008	0,2	ug/L	34	Standard
·	Kr	83	34.3	16.8				ug/L	745954	Standard
-	Но	165	559038.0	0.6	34,4996	0,462	1.3	ug/L	990	Standard
1	Pb	208	1355001.0	1.4	34,4500	0, 10		ug/L	414898	Standard
	ы	209	301275.3	1.3				ug/L	510163	Standard
-	Th	232	361178.6	1.3 0.8	33.8419	0.304	0.9	ug/L	242	KED
ļ	Ni -3	58	276597.5	1.0	34.0931	0.218	0.6	ug/L	100	KED
- !	Ni -4	60	121175.5	1.9	33.5607	0.159	0.5	ug/L	19	KED
	NI -5	62	17553.1 21281.2	0.3	40.1577	0.523	1.3	ug/L	3	KED
ļ	As-2	75 00	80407.4	1.9				ug/L	98389	KED
	Y-1	89	86470.2	0.6				ug/L	118370	KED
	Rh-1	103 72	536161.4	0.7				ug/L	720115	
>	ment B	159	640042.9	2.6				ug/L	850893	Standard
>	~ 4	72	80339.3	1.6				ug/L	99799	KED
>	(20"1	1 8-4								

ac calculated	A CIT CI CACA			
Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
	Ni -1	60		•
	As	75		
İ	As-1	75		
	Se	77		
i	Se -1	78		
j	Br	79		
İ	Se -2	82		
'	Kr	83		
	Ho	165		
İ	Pb	208		
İ	Bi	209		
Ì	Th	232		
	Ni -3	58		
	Ni -4	60		
	Ni -5	62		
	As-2	75		
•	Y-1	89		
	Rh-1	103		74.455
>	Ge	72	•	75.220
>	Тb	159		80.501
>	Ge-1	72		00.001

Sample ID: **08-136-02d 2X**

Sample Date/Time: Tuesday, August 19, 2025 11:01:52 Report Date/Time: Tuesday, August 19, 2025 11:03:41

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-136-02d 2X.058

Results (Mean Data)

	Results (Mean Data)										
10	Analyte	Mace	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens. 162	Mode Standard	
IS		60	5926.9	1.9	1.0713	0.036	3.4	ug/L	13407	Standard	
	Ni -1	75	18026.5	0.3	2.9274	0.094	3.2	ug/L	-163	Standard	
	As As 4	75 75	7302.1	8,0	2.5145	0.044	1.7	ug/L	118	Standard	
!	As-1	7 3	190.3	3.3	0.5319	0.046	8.6	ug/l_	13606	Standard	
	Se	7 / 78	10880.5	1.0	1.8929	0.294	15.5	ug/L	470	Standard	
-	Se -1	78 79	10438.8	1.4				ug/L	34	Standard	
ļ	Br		77.3	10.5	0.1413	0.029	20.3	ug/l	34	Standard	
	Se -2	82	33.3	32.1				ug/L	= :	Standard	
	Kr	83	534251.4	0.7				ug/L	745954		
- !	Ho	165	973.3	0.8	0.0262	0.000	1.5	ug/L.	990	Standard	
ļ	Pb	208	293657.6	1.4				ug/L	414898	Standard	
ļ	BI	209	351451.4	0.7				ug/L	510163	Standard	
ļ	Th	232	7584.0	2,8	0.8864	0.025	2.9	ug/L	242	KED	
1	NI -3	5 8	2996.3	1.4	0.8089	0.013	1.6	ug/L	100	KED	
ļ	NI -4	60	454.7	2.4	0.8421	0.018	2.1	ug/L	19	KED	
!	Ni -5	62	1328.7	6.5	2,5412	0.155	6.1	ug/L	3	KED	
	As-2	7 5	78961.6	0.8				ug/L	98389	KED	
	Y-1	89		0.3				ug/L	118370	KED	
	Rh-1	103	86815.0	1.6				ug/L	720115	Standard	
>	Ge	72	521855.9	2.2				ug/L	850893	Standard	
>	Tb	159	623175.3					ug/L	99799	KED	
>	Ge-1	72	78718.6	0.5							

GC Calculated ve	HAGO			
Internal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
	As	75		
1	As-1	75		
1	Se	77		
1	Se -1	78		
	Br	79		
	Se -2	82		
1	Kr	83		
1	Но	165		
, 	Pb	208		
	Bi	209		
	Th	232		
	Ni -3	58		
i	Ni -4	60		
İ	Ni -5	62		
	As-2	75		
•	Y-1	89		
	Rh-1	103		72.468
>	Ge	72		73.238
>	Tb	159		78.877
>	Ge-1	72		, 0,077
•				

Sample ID: 08-136-03d 2X

Sample Date/Time: Tuesday, August 19, 2025 11:06:01 Report Date/Time: Tuesday, August 19, 2025 11:07:51

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File; C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-136-03d 2X.059

Results (Mean Data)

	Legates (Modern Programme)										
			1 1	RSD	Conc.	SD	RSD	Units	Explain the first and the first	Mode	
IS	Analyte	Mass	Intensity		3,1969	0.082	2.6	ug/L	162	Standard	
1	Ni -1	60	17327.2	2.6	***	0.015	0.3	ug/L	13407	Standard	
i	As	75	27835.8	0.1	6.1071	0.013	0.5	ug/L	-163	Standard	
i	As-1	75	17186.9	0.4	5.7570		7.4	ug/L	118	Standard	
i	Se	77	188.7	3,8	0.5041	0.037		ug/L	13606	Standard	
ì	Se -1	78	10916.2	0.5	1.6076	0.073	4.5		470	Standard	
	Br	79	49950.8	0.7			040	ug/L	34	Standard	
1	Se -2	82	121.0	16.0	0.3113	0.078	24.9	ug/L	34	Standard	
ļ	Kr	83	33.7	9.1				ug/L	745954	Standard	
		165	532970.3	0.7				ug/L.		Standard	
-	Но		1254.4	1.0	0.0334	0.000	1.5	ug/L	990		
ļ	Pb	208	298599.2	2.4				ug/L	414898	Standard	
	BI	209						ug/L	510163	Standard	
	Th	232	359070.5	1.8	3.8945	0,012	0.3	ug/l	242	KED	
ĺ	NI -3	58	34002.8	0.2		0.048	1.7	ug/L	100	KED	
i	Ni -4	60	10698.7	2.0	2.8092	0,040	3.0	ug/L	19	KED	
i	Ni -5	62	1582.4	2.9	2.8303		2.5	ug/L	3	KED	
i	As-2	75	3293.7	2.4	5.8846	0.145	2,0	ug/L	98389	KED	
'	Y-1	89	85096.1	1.5					118370	KED	
	Rh-1	103	90284.1	1.8				ug/L	720115		
1.	Ge	72	531789.5	0.1				ug/L	850893		
>		159	625053.1	0.6				ug/L			
>	Tb		84620.6	0.4				ug/L	99799	NED	
>	Ge-1	72	U-102.0.0	3							

QC Calculated va	nues			
Internal Standard Symbol I	Analyte Ni -1	60	QC Std % Recovery	Int Std % Recovery
	As	75		
	As-1	75		
i	Se	7 7		
	Se -1	78		
	Br	79		
	Se -2	82		
1	Kr	83		
1	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Ni -3	58		
i	Ni -4	60		
i	Ni -5	62		
	As-2	75		
'	Y-1	89		
	Rh-1	103		73.848
>	Ge	72		73.458
>	Tb	159		84.791
>	Ge-1	72		04.791
17				

Sample ID: 08-136-04d 2X

Sample Date/Time: Tuesday, August 19, 2025 11:10:11 Report Date/Time: Tuesday, August 19, 2025 11:11:59

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-136-04d 2X.060

Results (Mean Data)

	1/02 Cites / Michael Land										
	A 1 4 -	Mann	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode	
IS	Analyte		•		0.6016	0.008	1.3	ug/L	162	Standard	
	Ni -1	60	3674.1	0.2		0.127	23.6	ug/L	13407	Standard	
	As	75	11654.8	2.3	0.5359		7.3	ug/L	-163	Standard	
i	As-1	75	1092.2	6.9	0.3891	0.028			118	Standard	
i	Se	77	228.7	3.6	0.6701	0.028	4.2	ug/L	13606	Standard	
1	Se -1	78	10695.7	1.9	0.6380	0.502	78.6	ug/l_	470	Standard	
1	Br	79	21751.9	0.5				ug/L		Standard	
		82	68.0	18.4	0.0889	0,050	56.5	ug/L	34		
- 1	Se -2		36.7	6.3				ug/L	34	Standard	
	Kr	83	566652.6	2.2				ug/L	745954	Standard	
-	Но	165			0.0296	0.000	1.2	ug/L	990	Standard	
ŀ	Pb	208	1177.0	3.5	V.OV			ug/L	414898	Standard	
-	Bi	209	318813.0	0.7				ug/L	510163	Standard	
	Th	232	378598.0	1.3	0.0000	800,0	3.8	ug/L	242	KED	
- 1	Ni -3	58	2272.1	2.3	0.2029		1.7	ug/L	100	KED	
İ	NI -4	60	995.7	8.0	0.2143	0.004			19	KED	
i	Ni -5	62	140.7	6.6	0.2101	0.017	8.2	ug/L	3	KED	
i	As-2	75	228.3	4.2	0.3922	0.016	4.1	ug/L	98389	KED	
1	Y-1	89	83953.0	1.6				ug/L			
	Rh-1	103	90141.5	1.1				ug/L	118370	KED	
t		72	550816.0	1.2				ug/L	720115	Standard	
>	Ge		664339.4	2.3				ug/L	850893	Standard	
>	Tb	159		0.7				ug/L	99799	KED	
>	Ge-1	72	84390.5	0.7				•			

QC Calculated ve	uucə			
Internal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
	As	75		
		75		
	As-1			
	Se	77		
	Se -1	78		
	Br	79		
i	Se -2	82		
•	Kr	83		
	Ho	165		
	Pb	208		
İ	Bi	209		
Į	Th	232		
İ	NI -3	58		
İ	Ni -4	60		
į	Ni -5	62		
İ	As-2	75		
,	Y-1	89		
	Rh-1	103		~~ 400
>	Ge	72		76.490
>	Tb	159		78.076
>	Ge-1	72		84,561

Sample ID: 08-136-05d 2X

Sample Date/Time: Tuesday, August 19, 2025 11:14:19 Report Date/Time: Tuesday, August 19, 2025 11:16:08

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Synglstix\ICPMS\DataSet\Y250819A\08-136-05d 2X.061

Results (Mean Data)

					Sales (mooning	SD	RSD	Units	Blank Intens.	Mode
IS	Analyte	Mass	Intensity	RSD	Conc.		2.4	ug/L	162	Standard
1	NI -1	60	8752.0	2.4	1.5756	0.038	2.3	ug/L	13407	Standard
i	As	75	11520.9	8.0	0.6106	0.014			-163	Standard
i	As-1	75	1205.6	2.4	0.4377	0.010	2.3	ug/L	118	Standard
i	Se	77	188.7	3.1	0.5004	0.026	5.1	ug/L	13606	Standard
i	Se -1	78	10530.5	0.9	0.9058	0,095	10.4	ug/L	470	Standard
i	Br	79	32313.5	0.8			70	ug/L	34	Standard
i	Se -2	82	100.0	3.6	0.2254	0.016	7.2	ug/L	34	Standard
'	Kr	83	29.3	11.0				ug/L.	745954	Standard
1	Но	165	543978.9	1.7				ug/L	990	Standard
	Pb	208	604.0	2.0	0.0161	0.000	2.0	ug/L	414898	Standard
1	BI	209	308371.2	0.9				ug/L		Standard
-	Th	232	362783.6	0.9				ug/L	510163	KED
1	Ni -3	58	9894.1	1.8	1.1446	0.034	3.0	ug/L	242	
1	NI -4	60	4265.3	2.0	1.1435	0.042	3.6	ug/L	100	KED KED
i	NI -5	62	619.3	3.6	1.1334	0.025	2.2	ug/L	19	
i	As-2	75	193.0	12.1	0.3445	0.045	12.9	ug/L	3	KED
ı	Y-1	89	80825.1	2.7				ug/L	98389	KED
	Rh-1	103	87062.5	1.4				ug/L	118370	KED
۱.,	Ge	72	533801.6	0.4				ug/L.	720115	Standard
>	Tb	159	640270.1	0.7				ug/L	850893	Standard
>	Ge-1	72	80743.6	1,6				ug/L.	99799	KED
>	(30.1	1 6.	001 1010							

ac calculated ve	aiucə			
Internal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
 	As	75		
1	As-1	75		
	Se	77		
	Se -1	78		
	Br	79		
	Se -2	82		
	Kr	83		
,	Но	165		
	Pb	208		
	ВІ	209		
	Th	232		
	NI -3	58		
	Ni -4	60		
	Ni -5	62		
	As-2	75		
1	Y-1	89		
	Rh-1	103		
>	Ge	72		74.127
>	Tb	159		75,247
>	Ge-1	72		80.906
1.1				

Sample ID: 08-136-06d 2X

Sample Date/Time: Tuesday, August 19, 2025 11:18:28 Report Date/Time: Tuesday, August 19, 2025 11:20:17

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-136-06d 2X.062

Results (Mean Data)

					Suito /iiis	SD	RSD	Units	Blank Intens.	Mode
IS	Analyte	Mass	Intensity	RSD	Conc.	0,005	0.8	ug/L	162	Standard
1	Ni -1	60	3858.5	1.0	0.6611		7.3	ug/L	13407	Standard
-	As	75	11729.4	1.6	0.7003	0.051	5.2	ug/L	-163	Standard
1	As-1	75	1065.9	6.5	0.3930	0.021	21.1	ug/L	118	Standard
i	Se	77	233.0	12.0	0.7361	0.155	21.0	ug/L	13606	Standard
i i	Se -1	78	10813.1	1.7	1.4605	0.307	21.0	ug/L	470	Standard
i	Br .	79	22584.2	2.2		0.044	8.7	ug/L	34	Standard
i	Se -2	82	74.7	3.1	0.1254	0.011	0.7	ug/L	34	Standard
ŀ	Kr	83	25.3	28.0				ug/L	745954	Standard
1	Ho	165	553277.0	2.2		0.000	1.6	ug/L	990	Standard
i	Pb	208	1198.4	1.1	0.0311	0.000	1.0	ug/L	414898	Standard
i	BI	209	304320.3	0.4				ug/L	510163	Standard
ì	Th	232	363996.6	1.1		0.012	5.0	ug/L	242	KED
i	NI -3	58	2427.4	3.8	0.2308	0.012	2.1	ug/L	100	KED
İ	NI -4	60	1056.0	1.7	0.2403	0.003	14.9	ug/L	19	KED
i	Ni -5	62	153.0	12.7	0.2422	0.042	11.3	ug/L	3	KED
ĺ	As-2	75	211.0	10.7	0.3742	0.042	11.0	ug/L	98389	KED
,	Y-1	89	81319.8	0.9				ug/L	118370	KED
	Rh-1	103	87220.5	1.5				ug/L	720115	Standard
>	Ge	72	531119.7	0.8				ug/L	850893	
>	Tb	159	642917.6	2.4				ug/L	99799	
>	0.4	72	81563.5	0.2				~2'-"		

QC Calculated Values

QC Calculated Va	alues			
Internal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
1	As	75		
	As-1	75		
	Se	77		
	Se -1	78		
i	Br	79		
İ	Se -2	82		
•	Kr	83		
1	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Ni -3	58		
	Ni -4	60		
	NI -5	62		
	As-2	75		
·	Y-1	89		
	Rh-1	103		73.755
>	Ge	72		75.558
>	Tb	159		81.728
>	Ge-1	72		01,720

Sample ID: 08-136-06d 2X

Report Date/Time: Tuesday, August 19, 2025 11:20:17

Page 1

Sample ID: 08-139-01c 2X

Sample Date/Time: Tuesday, August 19, 2025 11:22:36 Report Date/Time: Tuesday, August 19, 2025 11:24:25

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-139-01c 2X.063

Results (Mean Data)

	Legallo Jacan man										
IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens. 162	Mode Standard	
ı	NI -1	60	1437.1	3.0	0.2007	0.008	4.0	ug/L			
		75	10577.2	2.0	0.2631	0.059	22.4	ug/L	13407	Standard	
1	As		76.3	198.0	0.0630	0.049	78.4	ug/L	-163	Standard	
ļ	As-1	75		5.5	1,5302	0.123	8.1	ug/L	118	Standard	
	Se	77	391.7		0.8860	0,136	15.3	ug/L	13606	Standard	
1	Se -1	78	10612.9	0.6	0.0000	3 , 13 3		ug/L	470	Standard	
	Br	79	26574.7	0,8	0.0047	0.045	73.0	ug/L	34	Standard	
	Se -2	82	59.7	18.5	0.0617	0,0-10	1010	ug/L	34	Standard	
	Kr	83	29.0	17.2				ug/L	745954	Standard	
1	Но	165	564803.0	1.5		0.004	2.0	ug/L	990	Standard	
i	Pb	208	2001.4	1.5	0.0502	0.001	2.8		414898	Standard	
ì	Bi	209	313216.0	1.1				ug/L	510163	Standard	
i	Th	232	364087.7	0.7			400	ug/L	242	KED	
	Ni -3	58	1917.3	6.8	0.1498	0.015	10.3	ug/L	100	KED	
1	Ni -4	60	370.0	7.9	0.0413	0,008	19.1	ug/L			
ļ	NI -5	62	58.3	15.6	0.0545	0.015	28.4	ug/L	19	KED	
1		75	21.0	21.8	0.0177	0.008	45.1	ug/L	3		
ļ	As-2		89367.4	1.2				ug/L	98389	KED	
	Y-1	89		0.9				ug/L	118370	KED	
	Rh-1	103	97676.5					ug/L	720115	Standard	
>	Ge	72	538612.0	0.7				ug/L	850893	Standard	
>	Tb	159	658797.7	1.4				ug/L	99799	KED	
>	Ge-1	72	89037.6	0.5							

wo valoutated v	aiwoo			
Internal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
		75		
	As			
	As-1	75		
	Se	77		
	Se -1	78		
	Br	79		
ĺ	Se -2	82		
•	Kr	83		
	Но	165		
İ	Pb	208		
İ	Bi	209		
Ì	Th	232		
	Ni -3	58		
İ	Ni -4	60		
	Ni -5	62		
į	As-2	75		
•	Y-1	89		
	Rh-1	103		*** A **** (*) ***
>	Ge	72		74.795
>	Tb	159		77.424
>	Ge-1	72		89.217

Sample ID: QC Std 6

Sample Date/Time: Tuesday, August 19, 2025 11:26:45 Report Date/Time: Tuesday, August 19, 2025 11:28:35

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\QC Std 6.064

Results (Mean Data)

						•				
IS	Analyte	Mage	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
10	-	60	217632.3	0.8	40.5325	0.943	2.3	ug/L	162	Standard
	Ni -1		132191.8	0.3	40.7442	0.683	1.7	ug/L	13407	Standard
-	As	75 75	123377.8	0.6	40.6964	0.467	1.1	ug/L	-163	Standard
!	As-1	75		1.4	40,8551	0.609	1.5	ug/L	118	Standard
ļ	Se	77	8058.9		41.4676	1.121	2.7	ug/L	13606	Standard
	Se -1	78	35416.5	0.3	41.4070	1. /		ug/L	470	Standard
-	Br	79	775.4	7.5	41.6050	0.232	0.6	ug/L	34	Standard
	Se -2	82	10490.9	1.6	41.0000	0.2.02	010	ug/L	34	Standard
	Kr	83	33.7	32.7				ug/L	745954	Standard
	Но	165	562800.8	0.9	00.4000	0.527	1.3	ug/L	990	Standard
	Pb	208	1573798.3	0.3	39.1838	0.027	1,0	ug/L	414898	Standard
	Bi	209	324576.5	1.7				ug/L	510163	Standard
	Th	232	373294.3	0.1			0.0		242	KED
ĺ	NI -3	58	334664.6	0.3	37.6958	0.244	0.6	ug/L		KED
i	NI -4	60	145039.6	0.3	37.5671	0.280	0.7	ug/L	100	KED
i	NI -5	62	21088.2	0.6	37.1204	0.031	0.1	ug/L	19	
i	As-2	75	23076.3	1.0	40.0798	0.611	1.5	ug/L	3	KED
'	Y-1	89	87288.9	0.6				ug/L	98389	KED
	Rh-1	103	97693.2	0.3				ug/L	118370	KED
>	Ge	72	537038.3	1.7				ug/L	720115	Standard
	Tb	159	654455.3	1.4				ug/L	850893	Standard
> 		72	87277.5	0.5				ug/L	99799	KED
>	Ge-1	12	01211.0	0,0						

QC Calculated Values

QC Calculated v	alucs			
Internal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery 101.331	Int Std % Recovery
! 	As	75	101.860	
1	As-1	75	101.741	
	Se	77	102,138	
	Se -1	78	103.669	
	Br	79		
	Se -2	82	104.012	
1	Kr	83		
	Но	165		
i	Pb	208	97.959	
i	Bi	209		
	Th	232		
	Ni -3	58	94.239	
i	Ni -4	60	93.918	
	Ni -5	62	92.801	
	As-2	75	100.200	
'	Y-1	89		
	Rh-1	103		
>	Ge	72		74.577
>	Tb	159		76.914
>	Ge-1	72		87.453

Sample ID: QC Std 6

Report Date/Time: Tuesday, August 19, 2025 11:28:35

Page 1

Sample ID: QC Std 7

Sample Date/Time: Tuesday, August 19, 2025 11:30:56 Report Date/Time: Tuesday, August 19, 2025 11:32:45

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Synglstix\ICPMS\DataSet\Y250819A\QC Std 7.065

Results (Mean Data)

	1/000100 /months and and											
	A I. 4	Mana	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode		
IS	Analyte		•	0.7	20.2352	0.212	1.0	ug/L	162	Standard		
	Ni -1	60	107938.6		20.0452	0.255	1.3	ug/L	13407	Standard		
1	As	75	69416.4	1.5	A	0.203	1.0	ug/L	-163	Standard		
	As-1	75	60004.9	1.4	19.9768				118	Standard		
i	Se	77	4062.9	8.0	20.5368	0.067	0.3	ug/L	13606	Standard		
i	Se -1	78	22554.8	1.1	20.7557	0.253	1.2	ug/L				
i	Br	79	587.3	3.1				ug/L	470	Standard		
1		82	5190.6	0,3	20.6715	0,102	0.5	ug/L	34	Standard		
ı	Se -2		30.3	18.2				ug/L	34	Standard		
	Kr	83						ug/L	745954	Standard		
	Но	165	553362.1	2.5	40 5007	0.804	4.1	ug/L	990	Standard		
	Pb	208	778533.2	1.6	19.5907	0,00-1		ug/L	414898	Standard		
	ВІ	209	316346.5	2.0				ug/L	510163	Standard		
ĺ	Th	232	362378.1	8.0		- 111	0.7		242	KED		
i	NI -3	58	166399.4	0.6	19.0287	0.141	0.7	ug/L		KED		
i	Ni -4	60	71902.5	0.8	18.9120	0.170	0.9	ug/L	100			
!	NI -5	62	10605.6	1.0	18.9621	0.256	1.3	ug/l_	19	KED		
l i		75	11541.7	0.7	20.3753	0.179	0.9	ug/L	3	KED		
ı	As-2			1.4	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			ug/L	98389	KED		
	Y-1	89	85612.1					ug/L	118370	KED		
	Rh-1	103	96577.1	1.3				ug/L	720115	Standard		
>	Ge	72	532526.0	0.5					850893	Standard		
>	Tb	159	648087.8	3.8				ug/L	99799	KED		
>	Ge-1	72	85826.7	0.4				ug/L	86168	ا الما اسلا		
1												

QC Calculated ve	aluco			
Internal Standard Symbol	Analyte		QC Std % Recovery 101.176	Int Std % Recovery
	Ni -1	60		
	As	75	100.226	
İ	As-1	75	99.884	
	Se	77	102.684	
	Se -1	78	103.779	
j	Br	79		
	Se -2	82	103.358	
•	Kr	83		
	Но	165		
	Pb	208	97.953	
İ	Bi	209		
	Th	232		
i	Ni -3	58	95.143	
i	Ni -4	60	94.560	
i	NI -5	62	94.811	
	As-2	75	101.876	
1	Y-1	89		
	Rh-1	103		wa a wa
>	Ge	72		73.950
1	Tb	159		76.166
> >	Ge-1	72		86.000

Sample ID: QC Std 8

Sample Date/Time: Tuesday, August 19, 2025 11:35:06 Report Date/Time: Tuesday, August 19, 2025 11:36:55

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Synglstix\ICPMS\DataSet\Y250819A\QC Std 8.066

Results (Mean Data)

	Keritz (Mean Data)										
			Intonsity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode	
IS	Analyte	Mass	Intensity		-0.0330	0.004	12.6	ug/l_	162	Standard	
	Ni⊸1	60	174.0	13.3	0.2070	0,068	33.0	ug/L	13407	Standard	
-	As	75	10034.4	0.9		0.001	3.2	ug/L	-163	Standard	
İ	As-1	75	-56.0	4.2	0.0189		326.3	ug/L	118	Standard	
i	Se	77	92.3	10.3	0.0171	0.056			13606	Standard	
i	Se -1	78	10154.9	0.9	0.7550	0.332	44.0	ug/L	470	Standard	
i	Br	79	450.0	8.0			00.0	ug/L	34	Standard	
i	Se -2	82	40.3	5.2	-0.0092	0.009	98.6	ug/L	34	Standard	
- 1	Kr	83	26.3	17.5				ug/L	745954	Standard	
1	Но	165	535463.5	2.1				ug/L	990	Standard	
l I		208	867.0	5.1	0.0235	0.001	4.6	ug/L			
!	Pb		314693.1	1.4				ug/L	414898	Standard	
	B1	209	358694.7	1.5				ug/L	510163	Standard	
	Th	232		4.1	-0.0333	0,001	2.9	ug/L	242	KED	
	NI -3	58	255.1		-0.0228	0.001	2.7	ug/L	100	KED	
1	NI -4	60	115.0	2.3	-0.0167	0,009	54.1	ug/L	19	KED	
	NI -5	62	16.7	30.2		0.011	1839.8	ug/L	3	KED	
1	As-2	75	10.0	60.8	-0.0006	0.011	1000.0	ug/L	98389	KED	
·	Y-1	89	86790.2	0.3				ug/L	118370	KED	
	Rh-1	103	95576.0	8.0				ug/L	720115	Standard	
>	Ge	72	519365.8	1.2					850893	Standard	
>	Tb	159	620773.2	1.1				ug/L.	99799	KED	
>	Ge-1	72	86734.2	0.7				ug/L	88188	171-17	
1 /	J. 44	1 100									

QC Galculated va	แนซอ			
Internal Standard Symbol	Analyte		QC Std % Recovery	Int Std % Recovery
	Ni -1	60		
İ	As	75		
İ	As-1	75		
Ì	Se	77		
i	Se -1	78		
i	Br	79		
i	Se -2	82		
1	Kr	83		
	Но	165		
	Pb	208		
	Bi	209		
	Th	232		
	Ni -3	58		
	Ni -4	60		
	Ni -5	62		
	As-2	75		
1	Y-1	89		
	Rh-1	103		mo 400
>	Ge	72		72.123
>	Tb	159		72.955
>	Ge-1	72		86.909

Sample ID: 08-156-01d 10X

Sample Date/Time: Tuesday, August 19, 2025 11:38:26 Report Date/Time: Tuesday, August 19, 2025 11:40:15

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-156-01d 10X.067

Results (Mean Data)

	The second secon									
IS	Analyte	• Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
	NI -1	60	8067.6	2.3	1.9226	0.068	3.5	ug/L.	162	Standard
i	As	75	11199.9	3.5	1.6807	0.214	12.7	ug/L	13407	Standard
i	As-1	75	6104.2	7.6	2.6967	0.204	7.6	ug/L	-163	Standard
i	Se	77	15728.7	3.0	106.1549	4.357	4.1	ug/L	118	Standard
	Se -1	78	10330.1	2.9	5.9091	0.884	15.0	ug/L	13606	Standard
1	Br	79	1726957.9	1,0				ug/L	470	Standard
1	Se -2	82	2069.1	0.4	10.7172	0.169	1.6	ug/L	34	Standard
ļ		83	507.7	16.5				ug/L	34	Standard
	Kr		410402.8	0.8				ug/L	745954	Standard
1	Но	165		4.2	0.0375	0.002	5.9	ug/L	990	Standard
!	Pb	208	1060.7		0.0070	0100		ug/l	414898	Standard
-	Bi	209	220501.7	0.4				ug/L	510163	Standard
-	Th	232	281992.1	0.7	0.0020	0.008	1.3	ug/L	242	KED
1	Ni -3	58	5180.3	0.3	0.6030		1.3	ug/L	100	KED
	Ni -4	60	2138.8	1.4	0.5787	0.007			19	KED
1	Ni -5	62	425.7	8.0	0.8077	0,069	8.6	ug/L	3	KED
	As-2	75	275.3	3.7	0.5263	0.015	2.9	ug/L		KED
	Y-1	89	74191.2	0.3				ug/L	98389	
	Rh-1	103	72564.8	8.0				ug/L	118370	KED
>	Ge	72	406325.7	1.2				ug/L	720115	Standard
>	Tb	159	470595.8	3.7				ug/L	850893	Standard
>	Ge-1	72	76680.6	1.0		•		ug/L	99799	KED

WAS ARTORIGON A	KA I CA WAS			
Internal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
	As	75		
	As-1	75		
	Se	77		
j	Se -1	78		
j	Br	79		
	Se -2	82		
•	Kr	83		
	Но	165		
	Pb	208		
	Bi	209		
	Th	232		
	Ni -3	58		
	Ni -4	60		
	NI -5	62		
j	As-2	75		
	Y~1	89		
	Rh-1	103		
>	Ge	72		56,425
>	Tb	159		55.306
İ>	Ge-1	72		76.835

Sample ID: 08-156-02d 10X

Sample Date/Time: Tuesday, August 19, 2025 11:42:36 Report Date/Time: Tuesday, August 19, 2025 11:44:25

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-156-02d 10X.068

Results (Mean Data)

1 to a series (series)										
IS	Analyte	Mage	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
10	-	60 60	1673.4	3.6	0.2739	0.009	3.1	ug/l_	162	Standard
ļ	Ni -1			2.0	2.0102	0.102	5.1	ug/L	13407	Standard
-	As	75	14477.6		1.7269	0.051	2.9	ug/L	-163	Standard
]	As-1	75	4697.1	2.5	4,3266	0.107	2.5	ug/L	118	Standard
	Se	77	857.7	1.1		0.287	18.5	ug/L	13606	Standard
	Se -1	78	10072.2	1.9	1.5520	0.201	10.0	ug/L	470	Standard
	Br	79	71352.8	2.2		0.040	40.4	-	34	Standard
İ	Se -2	82	129.3	7.4	0.3870	0.048	12.4	ug/L	34	Standard
•	Kr	83	34.7	15.9				ug/L		Standard
1	Но	165	502135.3	0.5				ug/L	745954	
-	Pb	208	1855.0	1.5	0.0527	0.001	1.9	ug/L	990	Standard
		209	288647.3	0.6				ug/L	414898	Standard
l t	Bi		341047.7	0.4				ug/L.	510163	Standard
	Th	232	3376.9	3.5	0.3038	0.011	3.7	ug/L	242	KED
!	Ni -3	58		4.3	0.1811	0.011	6,0	ug/L	100	KED
ļ	NI -4	60	938.4		0.1936	0.008	4.4	ug/L	19	KED
	NI -5	62	141.7	4.0		0.027	1.5	ug/L	3	KED
	As-2	75	1091.0	1.7	1.8033	0.021	1.0	ug/L.	98389	KED
	Y-1	89	90157.9	8.0					118370	KED
	Rh-1	103	94642.8	1.4				ug/L.		Standard
>	Ge	72	492200.6	1.1				ug/L	720115	
	Tb	159	581678.0	1.4				ug/L	850893	Standard
>	Ge-1	72	90838.9	0.5				ug/L	99799	KED

GO Calculated V	aruca			
Internal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
	As	75		
	As-1	75		
	Se	77		
	Se -1	78		
İ	Br	79		
İ	Se -2	82		
	Kr	83		
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Ni -3	58		
	Ni -4	60		
	Ni -5	62		
	As-2	75		
	Y-1	89		
	Rh-1	103		
>	Ge	72		68.350
>	Tb	159		68.361
>	Ge-1	72		91.022

Sample ID: 08-156-03d 10X

Sample Date/Time: Tuesday, August 19, 2025 11:46:45 Report Date/Time: Tuesday, August 19, 2025 11:48:34

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-156-03d 10X.069

Results (Mean Data)

	Results (Mean Data)										
			Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode	
IS	Analyte				2.0594	0.050	2.4	ug/L	162	Standard	
	Ni -1	60	8402.1	2.3		0.170	5.9	ug/L.	13407	Standard	
	As	75	13527.8	1.8	2.8613		6.6	ug/L	-163	Standard	
i	As-1	75	5939.5	6.8	2.6930	0.178		ug/L	118	Standard	
ļ	Se	77	17008.8	0,6	117.8584	2.039	1.7		13606	Standard	
i	Se -1	78	12721.0	2.7	11.7954	0.971	8.2	ug/L	470	Standard	
l l	Br	79	1589130.2	0.2				ug/L	34	Standard	
!	Se -2	82	2032.8	1.9	10.8066	0.103	1.0	ug/L		Standard	
I		83	1009.7	3.3				ug/L	34		
	Kr		402111.7	0.9				ug/L	745954	Standard	
ļ	Но	165			0.0338	0.000	0.4	ug/L	990	Standard	
	Pb	208	947.0	0.4	0.0000			ug/L	414898	Standard	
	Bl	209	221718.4	0.9				ug/L	510163	Standard	
1	Th	232	283579.5	1.1	0 4010	0.008	1.4	ug/L	242	KED	
İ	NI -3	58	5284.3	0.9	0.5949			ug/L	100	KED	
ĺ	NI -4	60	2134.8	3.4	0.5576	0.022	3.9		19	KED	
i	NI -5	62	507.0	3.2	0.9387	0.033	3.5	ug/L	3	KED	
i	As-2	75	276.7	4.5	0.5118	0.025	4.8	ug/L	-		
ı	Y-1	89	77594.2	0.6				ug/L	98389	KED	
			74953.8	1.7				ug/L	118370	KED	
	Rh-1	103						ug/L	720115	Standard	
>	Ge	72	395871.5	1,1				ug/L	850893	Standard	
>	Tb	159	466463.6	0.8				ug/L	99799	KED	
>	Ge-1	72	79183.5	0,6				ug/ L	00100		

GC Calculated ve	a i u s s			
Internal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
		75		
	As			
	As-1	75		
	Se	77		
	Se -1	78		
	Br	79		
	Se -2	82		
1	Kr	83		
	Но	165		
	Pb	208		
	Bi	209		
İ	Th	232		
	Ni -3	58		
İ	Ni -4	60		
j	Ni -5	62		
İ	As-2	75		
•	Y-1	89		
	Rh-1	103		W 4 C/M C
>	Ge	72		54.973
>	Tb	159		54.820
>	Ge-1	72		79.343

Sample ID: 08-156-01c 10X

Sample Date/Time: Tuesday, August 19, 2025 11:50:54 Report Date/Time: Tuesday, August 19, 2025 11:52:43

Method File: C:\Users\Public\Documents\PerkinEimer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-156-01c 10X.070

Results (Mean Data)

	Kesuits (Mean Data)									
			la ka malint	RSD	Conc.	SD	RSD	Units	,	Mode
IS	Analyte	Mass	Intensity		2.0193	0.040	2.0	ug/L		Standard
1	Ni -1	60	8337.1	0.5		0.069	1.9	ug/L	13407	Standard
ĺ	As	75	15312.3	2.1	3.5872		2.6	ug/L	-163	Standard
ì	As-1	75	6089.8	3.0	2.7294	0.070	2.2	ug/L	118	Standard
i	Se .	77	15956.6	8.0	109.2917	2,396	3.3	ug/L	13606	Standard
i	Se -1	78	13681.2	2.6	13.5733	0.451	ن,ن	ug/L	470	Standard
i	Br	79	1450925.8	1.4	- a water 6	0.267	4.0	ug/L	34	Standard
i	Se -2	82	1769.8	4.4	9.2773	0.367	4.0	ug/L	34	Standard
'	Kr	83	844.0	2.8				ug/L	745954	Standard
1	Но	165	405773.6	0.7	0.000	0.001	1.5	ug/L	990	Standard
i	Pb	208	1600.0	0.2	0.0562	0.001	1.0	ug/L	414898	Standard
i	ВІ	209	219381.6	1.5				ug/L	510163	Standard
ì	Th	232	280564.7	0.7	0 4400	0.015	2.7	ug/L	242	KED
i	NI -3	58	5228.1	2.6	0,5589	0.013	1.5	ug/L	100	KED
i	NI -4	60	2148.8	1.4	0.5342		4.6	ug/L	19	KED
i	NI -5	62	454.3	5.1	0.7968	0.037	8.8	ug/L	3	KED
i	As-2	75	346.7	9.1	0.6161	0.054	0.0	ug/L	98389	KED
'	Y-1	89	84229.6	1.4				ug/L	118370	
	Rh-1	103	82168.3	0.6				ug/L	720115	
>	_	72	400401.5	1.5				ug/L	850893	
	net.	159	470085.0	1.6				ug/L	99799	
>	~ 4	72	82876.0	0.9				ug/L		
, ,										

QC Calculated v	CHILICO			
Internal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
	As	75		
	As-1	75		
	Se	77		
	Se -1	78		
İ	Br	79		
1	Se -2	82		
	Kr	83		
I	Но	165		
	Pb	208		
	Bi	209		
	Th	232		
	Ni -3	58		
	Ni -4	60		
	NI -5	62		
1	As-2	75		
ı	Y-1	89		
	Rh-1	103		55.602
>	Ge	72		55.246
>	Tb	159		83,043
>	Ge-1	72.		03,043

Sample ID: 08-156-02c 10X

Sample Date/Time: Tuesday, August 19, 2025 11:55:03 Report Date/Time: Tuesday, August 19, 2025 11:56:52

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-156-02c 10X.071

Results (Mean Data)

	Kesuita (Mean Para)										
1.00	8 l	Mana	Intensity	RSD	Conc.	SD	RSD	Units	to tour it a second	Mode Standard	
IS	Analyte			1.1	0.3911	0,005	1.3	ug/L			
1	NI -1	60	2238.2		2,1950	0.048	2.2	ug/L.	13407	Standard	
1	Аs	75	14915.2	0.9	1.6472	0.016	1.0	ug/L	-163	Standard	
1	As-1	75	4454.5	1.1		0.249	4.7	ug/L	118	Standard	
i	Se	77	1027.7	4.5	5.3045	0.176	6.2	ug/L	13606	Standard	
i	Se -1	78	10744.7	1.0	2.8430	0.170	012-	ug/L	470	Standard	
i	Br	79	68303.3	2.0		0.044	11.6	ug/L	34	Standard	
	Se -2	82	127.3	8.2	0.3806	0.044	11.0	ug/L	34	Standard	
1	Kr	83	40.0	19.5				ug/L	745954	Standard	
1	Ho	165	508810.8	2.7		1	0.4		990	Standard	
	Pb	208	5152.4	1.2	0.1441	0.001	0.4	ug/L	414898	Standard	
1		209	283624.5	0.4				ug/L	510163	Standard	
	Bi	232	330592.1	1.2				ug/L	242	KED	
-	Th	58	4356.6	2.8	0.3842	0.012	3.2	ug/L		KED	
1	Ni -3		1326.7	2.8	0.2598	0,008	3.2	ug/L ug/L	100		
ļ	Ni -4	60	• •	7.3	0.3161	0,026	8.3		19	KED	
	NI -5	62	226.3	3.9	1.6267	0.065	4.0	ug/L	3	KED	
1	As-2	75	1042.0		110,201			ug/L	98389	KED	
	Y-1	89	99866.2	0.3				ug/L	118370	KED	
	Rh-1	103	103350.2	1.2				ug/L	720115	Standard	
>	Ge	72	489830.2	0.3				ug/L	850893	Standard	
>	wan t	159	585488.1	1.4				ug/L	99799	KED	
>		72	96075.7	0.2				ugru			

QC Calculated	ACHMOS			L COLLOV Management
Internal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
	As	75		
	As-1	75		
	Se	77		
	Se -1	78		
	Br	79		i
	Se -2	82		
1	Kr	83		
1	Ho	165		
	Pb	208		
i	Bi	209		
	Th	232		
	Ni -3	58		
	Ni4	60		
	Ni -5	62		
i	As-2	75		
•	Y-1	89		
	Rh-1	103		68.021
>	Ge	72		68.809
>	Tb	159		96.269
>	Ge-1	72		90,200

Sample ID: 08-156-03c 10X

Sample Date/Time: Tuesday, August 19, 2025 11:59:12 Report Date/Time: Tuesday, August 19, 2025 12:01:01

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-156-03c 10X.072

Results (Mean Data)

				1101	SCHOOL (INCOME.		non	Units	Blank Intens.	Mode
IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD		162	Standard
1	Ni -1	60	8178.7	2.2	1.9700	0.014	0.7	ug/L	13407	Standard
i	As	75	16348.1	1.8	4.0175	0.121	3.0	ug/L	-163	Standard
1	As-1	75	6481.3	9,6	2.8893	0,266	9.2	ug/L	118	Standard
1	Se	77	16472.5	0.9	112.3235	1.627	1.4	ug/L	13606	Standard
l I	Se -1	78	14200.4	2.5	14.5741	0.648	4.4	ug/L	470	Standard
	Br	79	1466696.3	2.2			_	ug/L	34	Standard
1	Se -2	82	1721.4	4.3	8.9758	0.247	2.8	ug/L		Standard
ı	Kr	83	809.7	4.2				ug/L	34	Standard
1		165	405121.6	8.0				ug/L	745954	
1	Ho	208	1305.4	4.4	0.0460	0,001	2.2	ug/L	990	Standard
1	Pb	200	217048.4	0.5				ug/L.	414898	Standard
İ	BI		277160.2	0.4				ug/L	510163	Standard
-	Th	232	4882.7	0.4	0.5199	0.003	0.7	ug/L	242	KED
-	NI -3	58	2035.5	1.0	0.5052	0.007	1.5	ug/L	100	KED
ļ	Ni -4	60	445.3	1.0	0.7832	0,006	0.7	ug/L	19	KED
ļ	NI -5	62		3.0	0.6020	0.019	3.2	ug/L	3	KED
ļ	As-2	75	337.7	0.5	0,00,00			ug/L	98389	KED
	Y-1	89	85115.1					ug/L	118370	KED
	Rh-1	103	84201.4	0.4				ug/L	720115	Standard
>	Ge	72	402231.1	2.2				ug/L	850893	Standard
>	Tb	159	469650.1	2.3				ug/L	99799	KED
>	Go-1	72	82582.3	0,4						

QC Calculated Values

QC Carculated va	uues			
Internal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
i	As	75		
i	As-1	75		
İ	Se	77		
	Se -1	78		
	Br	79		
	Se -2	82		
,	Kr	83		
	Но	165		
	Pb	208		
j	Bi	209		
	Th	232		
	Ni -3	58		
	Ni -4	60		
	NI -5	62		
	As-2	75		
•	Y-1	89		
	Rh-1	103		rr ory
>	Ge	72		55.857
>	Tb	159		55.195
>	Ge-1	72		82.749

Sample ID: 08-156-03c 10X

Report Date/Time: Tuesday, August 19, 2025 12:01:01

Page 1

Sample ID: QC Std 6

Sample Date/Time: Tuesday, August 19, 2025 12:03:22 Report Date/Time: Tuesday, August 19, 2025 12:05:11

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\QC Std 6.073

Results (Mean Data)

				, , , , ,	(1.00	,	DOD	Linita	Blank Intens.	Mode
IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	162	Standard
ı	Ni -1	60	233376.7	1.2	45.2678	0.137	0.3	ug/L	13407	Standard
ì	As	75	122260.4	0.7	39,1300	0.839	2.1	ug/L.	-163	Standard
1	As-1	75	111476.8	1.1	38,3045	0.935	2.4	ug/L	118	Standard
- 1	Se	77	7405.6	1.4	39.0786	0.207	0.5	ug/L	13606	Standard
1	Se -1	78	32645.6	0.4	39.1525	0.901	2.3	ug/L		Standard
1	Br	79	11529.7	3.3				ug/L	470	Standard
1	Se -2	82	8626.6	2.4	35.6197	1,356	3.8	ug/L	34	Standard
1	Se -∡ Kr	83	33.3	9.2				ug/L	34	
1	Ho	165	524645.5	2.2				ug/L.	745954	Standard
I		208	1461562.0	0.4	39,1771	0.557	1.4	ug/L	990	Standard
1	Pb	209	301126.3	0.4				ug/L	414898	Standard
1	Bi		337044.7	2.1				ug/L	510163	Standard
!	Th	232	354798.4	0.7	36.6084	0.434	1.2	ug/L	242	KED
ļ	NI -3	58	153782.3	0.4	36.4881	0.460	1.3	ug/L	100	KED
ļ	NI -4	60	• • •	0.4	36.3473	0.289	0.8	ug/L	19	KED
ļ	NI -5	62	22540.8	0.3	41.6610	0.522	1.3	ug/L	3	KED
İ	As-2	75	26183.6		71,0010			ug/L	98389	KED
	Y-1	89	99003.6	1.0				ug/L	118370	KED
	Rh-1	103	109703.6	0.4				ug/L	720115	Standard
>	Ge	72	515612.8	1.4				ug/L	850893	Standard
>	. Tb	159	607911.5	1.7				ug/l_	99799	KED
>	Ge-1	72	95275.7	0.9				~3' m		

QC Calculated Values

QC Calculated Va	lues			
Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
1	Ni1	60	113.170	
i	As	75	97.825	
	As-1	75	95.761	
İ	Se	77	97.696	
	Se -1	78	97.881	
i	Br	79		
i	Se -2	82	89.049	
ı	Kr	83		
	Но	165		
İ	Pb	208	97.943	
İ	Bi	209		
	Th	232		
	Ni -3	58	91.521	
	Ni -4	60	91.220	
1	Ni -5	62	90.868	
	As-2	75	104.152	
1	Y-1	89		
	Rh-1	103		
>	Ge	72		71.601
>	Tb	159		71.444
>	Ge-1	72		95.468

Sample ID: QC Std 6

Sample ID: QC Std 7

Sample Date/Time: Tuesday, August 19, 2025 12:07:32 Report Date/Time: Tuesday, August 19, 2025 12:09:21

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinEimer Syngistix\ICPMS\DataSet\Y250819A\QC Std 7.074

Results (Mean Data)

				110.	30100 (11100111	~~	DOD	Unito	Blank Intens.	Mode
IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	162	Standard
ı	Ni -1	60	111917.4	0.4	22.3694	0.357	1.6	ug/L	13407	Standard
i	As	75	65267.9	0.3	20.0958	0.311	1.5	ug/L.	-163	Standard
- 1	As-1	75	54858. 1	0,6	19.4662	0.148	8.0	ug/L	118	Standard
-	Se	77	3714.8	2.2	20.0018	0.529	2.6	ug/L	13606	Standard
i	Se -1	78	21242.4	0.6	20.8996	0.636	3.0	ug/L	470	Standard
1	Br	79	8406.8	2.2				ug/L		Standard
1	Se -2	82	4282.O	3.0	18.1508	0,410	2.3	ug/L	34	Standard
- 1	Kr	83	30.3	15.2				ug/L	34	
1	Ho	165	502567.2	2.9				ug/L	745954	Standard
	Pb	208	715917.7	1.3	19.9738	0.216	1.1	ug/L	990	Standard
1		209	291887.2	1.5				ug/L	414898	Standard
1	Bi	232	327029.6	0.6				ug/L	510163	Standard
1	Th	232 58	174701.O	0.6	18.3018	0.151	0.8	ug/L	242	KED
]	NI -3		76024.4	0.7	18.3191	0.151	8.0	ug/L	100	KED
ļ	NI -4	60	11236.8	1.3	18,4050	0.218	1.2	ug/L	19	KED
1	Ni -5	62	12789.7	0.5	20.6868	0.129	0.6	ug/L	3	KED
ı	As-2	75	95750.2	1.2				ug/L	98389	KED
	Y-1	89	106859.2	0.5				ug/L	118370	KED
	Rh-1	103	•	1.4				ug/L	720115	Standard
>		72	499689.6					ug/L	850893	Standard
>	Tb	159	584074.3	2.4				ug/L	99799	KED
>	Ge-1	72	93675. 5	0.2						

QC Calculated Va	alues			
Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
	Ni -1	60	111.847	
İ	As	75	100.479	
ì	As-1	75	97,331	
	Se	77	100.009	
	Se -1	78	104.498	
	Br	79		
i	Se -2	82	90.754	
ı	Kr	83		
1	Ho	165		
	Pb	208	99.869	
	Bi	209		
i	Th	232		
	Ni -3	58	91.509	
	Ni -4	60	91.595	
 	NI -5	62	92.025	
1	As-2	75	103.434	
I	Y-1	89		
	Rh-1	103		
>	Ge	72		69.390
	Tb	159		68.642
>	Ge-1	72		93.864

Sample ID: QC Std 8

Sample Date/Time: Tuesday, August 19, 2025 12:11:42 Report Date/Time: Tuesday, August 19, 2025 12:13:31

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Pub1ic\Documents\PerkInElmer Synglstix\ICPMS\DataSet\Y250819A\QC Std 8.075

Results (Mean Data)

	1 100 100 100						RSD	Units	Blank Intens.	Mode
IS	Analyte	Mass	Intensity	RSD	Conc.	SD		ug/L	162	Standard
1	NI -1	60	183.7	8.4	-0.0297	0.002	7.9	-	13407	Standard
i	As	75	10183.2	1.6	0.4063	0.147	36.2	ug/l	-163	Standard
i	As-1	75	32.8	82.2	0.0498	0.010	19.9	ug/l_		Standard
i	Se	77	219.7	10.5	0.7416	0.138	18.5	ug/L	118	
-	Se -1	78	10224.0	1.4	1.6009	0.667	41.7	ug/L	13606	Standard
		79	6686,9	1.2				ug/L	470	Standard
1	Br	82	44.0	12.0	0.0131	0.018	138.8	ug/L	34	Standard
1	Se -2		24.0	4.2				ug/L	34	Standard
	Kr	83	518768.0	1.6				ug/L	745954	Standard
-	Но	165		2.6	0.0279	0.001	2.3	ug/L	990	Standard
ļ	Pb	208	1002.0	0.8	O.O.A.O			ug/L	414898	Standard
	Bl	209	297649.3					ug/L	510163	Standard
	Th	232	331530.2	1.7	-0.0339	0.003	8.1	ug/L	242	KED
- [Ni -3	58	269.3	9.7	-0.0237	0.001	4.9	ug/L	100	KED
1	Ni -4	60	120.0	4.3		0.012	330.5	ug/L	19	KED
	NI -5	62	26.0	27.7	-0.0035	0.012	161.9	ug/L	3	KED
	As-2	75	13.7	29.6	0.0041	0.007	101.0	ug/L ug/L	98389	KED
	Y-1	89	95016.3	0.7					118370	KED
	Rh-1	103	104181.2	0.6				ug/l	720115	Standard
>	Ge	72	498549.7	2.4				ug/L		
>	Tb	159	601204.0	0.3				ug/L	850893	Standard
>	Ge-1	72	93521.1	0.5				ug/L	99799	KED
1.5										

CA ACTIONISTICAL AC	ACA ACTIONISTON ACTIONS						
Internal Standard Symbol	Analyte		QC Std % Recovery	Int Std % Recovery			
	Ni -1	60					
	As	75					
	As-1	75					
	Se	77					
İ	Se-1	78					
	Br	79					
	Se -2	82					
'	Kr	83					
	Ho	165					
İ	Pb	208					
İ	Bi	209					
	Th	232					
	Ni -3	58					
j	Ni -4	60					
	Ni -5	62					
	As-2	75					
•	Y-1	89					
	FRh-1	103					
>	Ge	72		69.232			
>	Tb	159		70.656			
>	Ge-1	72		93.710			

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DIGESTION DATE:	8-19-25
ANALYST:	kon

QC BATCH #:	08-183.106
MATRIX:	wate-
ANALYSIS METHOD:	3015

OSE LAB ID#	INITIAL Wt.(g)/Vol.(ml)	FINAL Vol.(ml)	DILUTION FACTOR	PRE/POST DIGEST APPEARANCE	COMMENTS
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SPIKE ID#	IV6070 (ed-1	VOL ADDED:	· 75M
	Special and appropriate plant in an EMM A MATERIAL CONTRACTOR CONT		

Dissolved Metals EPA 200.8 Data

Dataset Report

User Name: kmckinney

Computer Name: DESKTOP-RIRVUDN

Dataset File Path: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\

Report Date/Time: Tuesday, August 19, 2025 12:13:47

The Dataset

Read Type Date and Time Batch ID Sample ID SmartTune - [{STD/KED] Nebulizer (07:08:06 Tue 19-ASample SmartTune - [{STD/KED] Nebulizer (07:09:16 Tue 19-ASample 07:11:50 Tue 19-A Sample SmartTune - CQID 07:13:58 Tue 19-A Sample SmartTune - CQID 07:16:08 Tue 19-A Sample SmartTune - CQID SmartTune - MMass Calibration and F07:19:25 Tue 19-ASample SmartTune - [{STD] Performance Cl07:20:09 Tue 19-ASample SmartTune - [{STD] Performance Cl07:23:28 Tue 19-ASample Sample 07:30:55 Tue 19-ASample 07:35:06 Tue 19-A Sample Sample 07:39:17 Tue 19-A Sample Sample 07:43:27 Tue 19-ABlank Blank 07:46:47 Tue 19-AStandard #1 Standard 1 07:50:08 Tue 19-A Standard #2 Standard 2 07:53:28 Tue 19-A Standard #3 Standard 3 07:56:49 Tue 19-A Standard #4 Standard 4 08:00:09 Tue 19-A Standard #5 Standard 5 08:03:30 Tue 19-A Standard #6 Standard 6 08:06:50 Tue 19-A Standard #7 Standard 7 08:11:00 Tue 19-AQC Std #1 QC Std 1 08:15:11 Tue 19-AQC Std #2 QC Std 2 SmartTune - CDual Detector Calibrati08:17:17 Tue 19-A Sample SmartTune - CDu al Detector Calibrati08:17:26 Tue 19-A Sample 08:29:27 Tue 19-A Sample QC Std 2 08:33:38 Tue 19-AQC Std #6 QC Std 6 QC Std 7 08:37:48 Tue 19-AQC Std #7 08:41:58 Tue 19-AQC Std #8 QC Std 8 08:51:09 Tue 19-A Sample MB0819WM1 2X 08:55:19 Tue 19-A Sample SB0819WM12X 09:00:29 Tue 19-A Sample 08-183-10b 2X 09:04:39 Tue 19-A Sample 08-183-10b D 2X 09:08:49 Tue 19-A Sample 08-183-10b L 10X 09:12:58 Tue 19-A Sample 08-183-10b MS 2X 08-183-10b MSD 2X 09:17:08 Tue 19-A Sample 09:21:19 Tue 19-A Sample 08-183-10b PS 2X 09:25:30 Tue 19-A Sample 08-131-01 2X 09:29:39 Tue 19-A Sample 08-131-02 2X 09:33:49 Tue 19-AQC Std #6 QC Std 6 09:37:59 Tue 19-AQC Std #7 QC Std 7 09:42:10 Tue 19-AQC Std #8 QC Std 8 09:48:39 Tue 19-A Sample 08-131-03 2X 09:52:49 Tue 19-A Sample 08-136-01c 2X 09:56:58 Tue 19-A Sample 08-136-02c 2X 10:01:08 Tue 19-A Sample 08-136-03c 2X 10:05:17 Tue 19-A Sample 08-136-04c 2X 10:09:26 Tue 19-A Sample 08-136-05c 2X 10:13:34 Tue 19-A Sample 08-136-06c 2X 10:17:43 Tue 19-A Sample MB0819D1 2X 10:21:52 Tue 19-ASample SB0819D12X 10:27:43 Tue 19-A Sample 08-136-01d 2X

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8-19-28

QC Std 6	10:31:54 Tue 19-AQC Std #6
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QC Std 8	10:40:15 Tue 19-AQC Std #8
08-136-01d D 2X	10:45:15 Tue 19-ASample
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08-136-01d MS 2X	10:53:35 Tue 19-ASample
08-136-01d MSD 2X	10:57:43 Tue 19-ASample
08-136-02d 2X	11:01:52 Tue 19-ASample
08-136-03d 2X	11:06:01 Tue 19-ASample
08-136-04d 2X	11:10:11 Tue 19-ASample
08-136-05d 2X	11:14:19 Tue 19-ASample
08-136-06d 2X	11:18:28 Tue 19-ASample
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Page 2 142

SmartTune Wizard - Details

Optimization Details

SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\SmartTune Daily.swz

Optimization Status

Start Time: 8/19/2025 7:19:25 AM

Mass Calibration and Resolution

Optimization Settings:

Method: Optimizations\Tuning.mth.

MassCal File: Default.tun

Iterations: 6

Target accuracy (+/- amu): 0.05 for Mass Cal. and 0.03 for Resolution

Peak height (%) for Res. Opt.: 10

Optimization Results:

Initial Try

Target/Obtained mass (7.016/7.025), Target/Obtained resolution (0.7/0.692) Target/Obtained mass (23.985/23.975), Target/Obtained resolution (0.7/0.694) Target/Obtained mass (114.904/114.875), Target/Obtained resolution (0.7/0.695) Target/Obtained mass (207.977/207.975), Target/Obtained resolution (0.7/0.717)

Target/Obtained mass (238.05/238.025), Target/Obtained resolution (0.7/0.716)

[Passed] Optimum value(s): N/A

End Time: 8/19/2025 7:19:54 AM

Performance Check Report

Sample ID: [STD] Performance Check

Sample Date/Time: Tuesday, August 19, 2025 07:23:28

Sample Description:

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\\Optimizations\STD Performance Check.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\[STD] Performance Check.008

MassCal File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\MassCal\Default.tun

Conditions File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Conditions\Default.dac

Dual Detector Mode: Pulse Acq. Dead Time (ns): 35 Current Dead Time (ns): 35 Torch Z position (mm): 0.00

Summary

IS	Analyte	Mass	Meas, Intens, Mean	Net Intens. Mean	Net Intens. SD	Net Intens, RSD	Mode
10	/ laryto	7.0	55632.3	55632,316	327,444	0.6	Standard
	In	114.9	321629.4	321629.428	477.688	0.1	Standard
	Ü	238.1	316445.6	316445,592	1016.016	0.3	Standard
Co	CeO	155.9	8121.8	0.024	0.000	0.7	Standard
Ce	Ce++	70.0	8268.5	0.024	0.000	1.9	Standard
Ce		220.5	0.4	0.367	0.361	98.5	Standard
	Bkgd Ce	139.9	341987.2	341987.154	2755.325	8.0	Standard

Current Conditions File Data

Current Value	Description
-100.00	Standard - OmniRing Park Voltage
4.00	Standard - Hyperskimmer Park Voltage
0.99	Standard - Nebulizer Gas Flow STD/KED [NEB]
1.20	Standard - Auxiliary Gas Flow
15.00	Standard - Plasma Gas Flow
0.00	Standard - Oxygen Gas Flow
-10.00	Standard - QID Fixed Voltage
1600.00	Standard - ICP RF Power
-1825.00	Standard - Analog Stage
1500.00	Standard - Pulse Stage
0.00	Standard - Q1 Rod Offset STD [QRO]
-12.00	Standard - Cell Rod Offset STD [CRO]
-8.00	Standard - Cell Entrance/Exit Voltage STD
0.00	Standard - Axial Field Voltage
5.00	Ammonia DRC - OmniRing Park Voltage
-9.50	Ammonia DRC - DRC Mode QRO
-2.50	Ammonia DRC - DRC Mode CRO
-7.00	Ammonia DRC - DRC Mode Cell Entrance/Exit Voltage
250.00	Ammonia DRC - Axial Field Voltage
0.60	Ammonia DRC - Cell Gas A
2.00	Ammonia DRC - Hyperskimmer Park Voltage
0.99	Ammonia DRC - DRC Mode NEB
5.00	Helium KED - OmniRing Park Voltage
2.00	Helium KED - Hyperskimmer Park Voltage
-12.00	Helium KED - KED Mode QRO
-15.00	Helium KED - KED Mode CRO
-4.00	Helium KED - KED Mode Cell Entrance Voltage
-32.00	Helium KED - KED Mode Cell Exit Voltage
475.00	Helium KED - KED Mode Axial Field Voltage

SmartTune Wizard - Details

Optimization Details

```
SmartTune file: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Wizard\SmartTune\SmartTune Daily.swz
Optimization Status
Start Time: 8/19/2025 7:23:28 AM
[STD] Performance Check
        Optimization Settings:
                Method: \Optimizations\STD Performance Check.mth.
```

Intensity Criterion: Li 7 > 55000 Intensity Criterion: In 115 > 300000 Intensity Criterion: U 238 > 225000 Intensity Criterion: Bkgd 220.5 <= 5</pre> Formula Criterion: Ce++ 70 ÷ Ce 140 <= 0.03

Formula Criterion: CeO 156 ÷ Ce 140 <= 0.025 RSD Criterion: Li 7.016 < 0.05RSD Criterion: In 114.904 < 0.05 RSD Criterion: U 238.05 < 0.05

Optimization Results:

Initial Try Obtained Intensity (Li 7): 55632.32 Obtained Intensity (In 115): 321629.43 Obtained Intensity (U 238): 316445.59 Obtained Intensity (Bkgd 220.5): 0.37

Obtained Formula (Ce++ $70 \div Ce 140$): 0.024 (=8268.46 ÷ 341987.15) Obtained Formula (CeO 156 \div Ce 140): 0.024 (=8121.84 \div 341987.15)

Obtained RSD (Li 7): 0.0059 Obtained RSD (In 115): 0.0015 Obtained RSD (U 238): 0.0032

[Passed] Optimum value(s): N/A

End Time: 8/19/2025 7:25:33 AM

Report Date/Time: Tuesday, August 19, 2025 07:25:33 Page 2

Quantitative Analysis Calibration Report

File Name: File Path:

Calibration Type: External Calibration

Analyte	Mass	Curve Type	Slope	Intercept	Corr. Coeff.
Ni -1	59.933	Weighted Linear	0.01	0.00	0.999278
As	74.922	Weighted Linear	0.01	-0.00	0.999382
As-1	74.922	Weighted Linear	0.01	0.00	0.999485
Se	76,920	Weighted Linear	0.00	0.00	0,999501
Se -1	77.917	Weighted Linear	0.00	-0.00	0.998451
Br	78.918	Weighted Linear	0.00	0.00	0.000000
Se -2	81.917	Weighted Linear	0.00	0.00	0.999596
Kr	82.914	Weighted Linear	0.00	0.00	0.000000
Но	164.930	Weighted Linear	0.00	0.00	0.000000
Pb	207.977	Weighted Linear	0.06	-0.00	0.999621
Bi	208.980	Weighted Linear	0.00	0.00	0.000000
Th	232.038	Weighted Linear	0.00	0.00	0.000000
Ni -3	57.935	Weighted Linear	0.10	0.00	0.999437
Ni -4	59.933	Weighted Linear	0.04	0.00	0.999259
Ni -5	61.928	Weighted Linear	0.01	0.00	0.999178
As-2	74.922	Weighted Linear	0.01	0.00	0.999354
Y-1	88.905	Weighted Linear	0.00	0.00	0.000000
Rh-1	102.905	Weighted Linear	0.00	0.00	0.000000
Ge	71.922	Linear Thru Zero	0.00	0.00	0.000000
Tb	158.925	Linear Thru Zero	0.00	0.00	0.000000
Ge-1	71.922	Linear Thru Zero	0.00	0.00	0.000000
OU-1	, ,,,,,,,,				

Report Date/Time: Monday, September 22, 2025 14:41:14 Page 1

Sample ID: Blank

Sample Date/Time: Tuesday, August 19, 2025 07:43:27 Report Date/Time: Tuesday, August 19, 2025 08:27:16

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\Blank.012

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
1	Ni -1	60	161.7	7.5				ug/L		Standard
1	As	75	13407.0	1.8				ug/L		Standard
1		75	-163.2	13.9				ug/L		Standard
	As-1		118.3	1.8				ug/L		Standard
ļ	Se	77 70						ug/L		Standard
-	Se -1	78	13606.5	2.0				ug/L		Standard
- !	Br	79	469.7	4.2						Standard
	Se -2	82	34.3	11.0				ug/L		Standard
	Kr	83	34.0	30.7				ug/L		
	Но	165	745953.5	0.6				ug/L.		Standard
	Pb	208	989.7	1.3				ug/L		Standard
1	Ві	209	414898.3	1.3				ug/L		Standard
İ	Th	232	510162.7	0.5				ug/L		Standard
i	Ni -3	58	242.0	10.6				ug/L		KED
i	Ni -4	60	99.7	4.7				ug/L		KED
i	Ni -5	62	19.3	16.6				ug/L		KED
i	As-2	75	3.3	62.4				ug/L		KED
	Y-1	89	98389.3	0.3				ug/L		KED
	Rh-1	103	118370.1	0.9				ug/L		KED
>	Ge	72	720114.9	3.3				ug/L		Standard
>	Tb	159	850893.4	1.4				ug/L		Standard
>	Ge-1	72	99798.7	0.7				ug/L		KED

go calculated v	aruco			
Internal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
	As	75		
	As-1	75		
	Se	77		
	Se -1	78		
	Br	79		
	Se -2	82		
	Kr	83		
	Но	165		
	Pb	208		
	Bi	209		
	Th	232		
	Ni -3	58		
	Ni -4	60		
	Ni -5	62		
	As-2	75		
	Y-1	89		
	Rh-1	103		
>	Ge	72		
>	Tb	159		
>	Ge-1	72		

Sample ID: Standard 1

Sample Date/Time: Tuesday, August 19, 2025 07:46:47 Report Date/Time: Tuesday, August 19, 2025 08:27:17

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\Standard 1.013

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
ı	Ni -1	60	1566.8	2.2				ug/L	162	Standard
i	As	75	13988.8	0.8				ug/L	13407	Standard
-	As-1	75	696.4	5.4				ug/L	-163	Standard
-	Se	77	177.0	3.5				ug/L	118	Standard
-	Se -1	78	13507.4	0.7				ug/L	13606	Standard
-	Br	79	504.0	6.7				ug/L	470	Standard
Ī	Se -2	82	104.3	19.0				ug/L	34	Standard
'	Kr	83	29.7	12.8				ug/L	34	Standard
1	Ho	165	817085.0	0.7				ug/L	745954	Standard
i	Pb	208	11473.4	0.8	0.1931	0.001	0.4	ug/L	990	Standard
!	Bi	209	457844.7	0.2	21,7001			ug/L	414898	Standard
	Th	232	580714.0	1.1				ug/L	510163	Standard
1	Ni -3	58	2306.6	0.8	0.1451	0.002	1.6	ug/L	242	KED
1	Ni -4	60	981.0	2.5	0.1243	0.006	4.6	ug/L	100	KED
1	Ni -5	62	154.3	6.1	0,1435	0.015	10.6	ug/L	19	KED
i	As-2	75	156.0	5.1	0.1949	0.011	5.8	ug/L	3	KED
1	Y-1	89	109486.7	1.1				ug/L	98389	KED
	Rh-1	103	131270.7	0.5				ug/L	118370	KED
>	Ge	72	777443.8	1.2				ug/L	720115	Standard
>	Tb	159	952837.3	0.8				ug/L	850893	Standard
>	Ge-1	72	110516.8	0.5				ug/L	99799	KED

QC Calculated V	arues			
Internal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
	As	75		
	As-1	75		
	Se	77		
	Se -1	78		
	Br	79		
	Se -2	82		
	Kr	83		
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	NI -3	58		
	Ni -4	60		
	Ni -5	62		
	As-2	75		
	Y-1	89		
	Rh-1	103		
>	Ge	72		
>	Tb	159		
>	Ge-1	72		

Sample ID: Standard 2

Sample Date/Time: Tuesday, August 19, 2025 07:50:08 Report Date/Time: Tuesday, August 19, 2025 08:27:18

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\Standard 2.014

Results (Mean Data)

						•				
IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
1	Ni -1	60	4004.9	1.9				ug/L	162	Standard
i	As	75	14952.6	1,0				ug/L	13407	Standard
i	As-1	75	1944.0	2.7	0.5000	0.014	2.8	ug/L	-163	Standard
i	Se	77	251.7	5.6				ug/L	118	Standard
i	Se -1	78	13534.4	1.0				ug/L	13606	Standard
i	Br	79	484.0	8.1				ug/L	470	Standard
i	Se -2	82	226.3	10.0				ug/L	34	Standard
1	Kr	83	30.7	29.6				ug/L	34	Standard
1	Но	165	760216.8	1.9				ug/L	745954	Standard
i	Pb	208	28033.3	1.2	0,5100	0.002	0.5	ug/L	990	Standard
	Bi	209	428260.7	0.8				ug/L	414898	Standard
i	Th	232	535359.9	1.1				ug/L	510163	Standard
	Ni -3	58	5820.0	1.0	0.4956	0.009	1.8	ug/L	242	KED
	Ni ~4	60	2486.2	0.3	0.4946	0.003	0,6	ug/L	100	KED
-	NI -5	62	361.3	1.2	0,4926	0,005	1.1	ug/L	19	KED.
i	As-2	75	366.3	4.0	0.5220	0.020	3.8	ug/L	3	KED
ı	Y-1	89	101370.1	0.5				ug/L	98389	KED
	Rh-1	103	121342.2	1.0				ug/L	118370	KED
1>	Ge	72	714196.8	0.9				ug/L	720115	Standard
1	Tb	159	884358.4	1.5				ug/L	850893	Standard
>	Ge-1	72	102600.5	0.5				ug/L	99799	KED
>	30- i	1 44	,02000.0	V. V				-		

GC Carculated va	สเนษธ			
Internal Standard Symbol	Analyte Ni -1 As As-1 Se Se -1	60 75 75 77 78	QC Std % Recovery	Int Std % Recovery
	Br	79		
	Se -2 Kr	82 83		
1	Но	165		
i	Pb	208		
i	Bi	209		
	Th	232		
	Ni -3	58		
	Ni -4	60		
İ	Ni -5	62		
	As-2	75		
	Y-1	89		
	Rh-1	103		
>	Ge	72		
>	Tb	159		
>	Ge-1	72		

Sample ID: Standard 3

Sample Date/Time: Tuesday, August 19, 2025 07:53:28 Report Date/Time: Tuesday, August 19, 2025 08:27:20

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Synglstix\ICPMS\DataSet\Y250819A\Standard 3.015

Results (Mean Data)

IS	Analyte	• Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
1	Ni -1	60	14686.9	1.1	2.0000	0.019	1.0	ug/L	162	Standard
i	As	75	20574.3	1.2	2,0000	0.066	3.3	ug/L	13407	Standard
i	As-1	75	7754,1	0.2	1.9694	0.012	0.6	ug/L	-163	Standard
i	Se	77	633,7	1,6	2.0000	0.031	1.5	ug/L	118	Standard
i	Se -1	78	14507.0	1.5				ug/L	13606	Standard
i	Br	79	498.0	4.4				ug/L	470	Standard
i	Se -2	82	683.3	1.3	2.0000	0.018	0.9	ug/L	34	Standard
•	Kr	83	29.0	15.0				ug/L	34	Standard
1	Но	165	721366.5	1.0				ug/L	745954	Standard
i	Pb	208	101717.7	0.2	2.0014	0.023	1.1	ug/L	990	Standard
i	Ві	209	411074.2	0.3				ug/L	414898	Standard
i	Th	232	509879.4	0.3				ug/L	510163	Standard
i	Ni -3	58	21602.9	0.2	2.1828	0.009	0.4	ug/L	242	KED
j	Ni -4	60	9340.1	0.7	2.1705	0.024	1.1	ug/L	100	KED
Ì	Ni -5	62	1380.7	1.7	2.1646	0.032	1.5	ug/L	19	KED
İ	As-2	75	1364.1	3.5	2.0392	0.067	3.3	ug/L	3	KED
	Y-1	89	98362.8	0.6				ug/L	98389	KED
	Rh-1	103	118222.5	1.1				ug/L	118370	KED
>	Ge	72	690579.8	0.5				ug/L	720115	Standard
>	Tb	159	815162.5	0.9				ug/L	850893	Standard
>	Ge-1	72	100824.5	0.4				ug/L	99799	KED

WO Galculated Ac	ilues			
Internal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
	As	75		
	As-1	75		
	Se	77		
	Se -1	78		
	Br	79		
	Se -2	82		
	Kr	83		
	Но	165		
	Pb	208		
	Bi	209		
	Th	232		
	Ni -3	58		
	Ni -4	60		
	Ni -5	62		
	As-2	75		
	Y-1	89		
	Rh-1	103		
>	Ge	72		
>	Tb	159		
>	Ge-1	72		

Sample ID: Standard 4

Sample Date/Time: Tuesday, August 19, 2025 07:56:49 Report Date/Time: Tuesday, August 19, 2025 08:27:21

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\Standard 4.016

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
ı	Ni -1	60	35311.3	0.8	4.9520	0.060	1.2	ug/L	162	Standard
i	As	75	31647.9	1.0	4.8957	0,023	0.5	ug/L	13407	Standard
i	As-1	75	19310.2	1.7	4.9219	0.048	1.0	ug/L	-163	Standard
-	Se	77	1342.1	3.5	4.8932	0.149	3.0	ug/L	118	Standard
1	Se -1	78	16570.6	0.8	5.0000	0.103	2.1	ug/L	13606	Standard
1	Br	79	458.3	5.5	******			ug/L	470	Standard
i	Se -2	82	1685.4	3.1	5.1014	0.127	2.5	ug/L	34	Standard
'	Kr	83	32.7	3.5				ug/L	34	Standard
1	Но	165	695385.6	1.0				ug/L	745954	Standard
i	Pb	208	247052.5	1.0	4.9691	0.111	2.2	ug/L	990	Standard
i	Bi	209	409103.5	0.4				ug/L.	414898	Standard
i	Th	232	509070.1	1.2				ug/L	510163	Standard
i	Ni -3	58	52587.1	0.8	5.3947	0.035	0.6	ug/L	242	KED
i	Ni -4	60	23181.1	0.7	5.4458	0.036	0.7	ug/L	100	KED
i	Ni -5	62	3359.1	2.2	5.3259	0.125	2.4	ug/L	19	KED
i	As-2	75	3331.7	1.8	5.0211	0.069	1.4	ug/L	3	KED
'	Y-1	89	99359.4	1.2				ug/L	98389	KED
	Rh-1	103	118605.4	1.0				ug/L	118370	KED
1>	Ge	72	687523.9	0.7				ug/L	720115	Standard
>	Tb	159	802452.4	2.6				ug/L	850893	Standard
>	Ge-1	72	101235.8	0.4				ug/L	99799	KED

GC Calculated va	aiues			
Internal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
	As	75		
	As-1	75		
	Se	77		
	Se -1	78		
	Br	79		
	Se -2	82		
	Kr	83		
	Но	165		
	Pb	208		
	Bi	209		
	Th	232		
	Ni -3	58		
	Ni -4	60		
	Ni -5	62		
	As-2	75		
	Y-1	89		
	Rh-1	103		
>	Ge	72		
>	Tb	159		
>	Ge-1	72		

Sample ID: Standard 5

Sample Date/Time: Tuesday, August 19, 2025 08:00:09 Report Date/Time: Tuesday, August 19, 2025 08:27:22

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\Standard 5.017

Results (Mean Data)

						,				
IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
i	Ni -1	60	132687.0	0.7	19.8631	0.089	0.4	ug/L	162	Standard
 	As	75	86665,2	2.1	20.0762	0.575	2.9	ug/L	13407	Standard
1	As-1	75	74804.6	2.2	19,9896	0.526	2.6	ug/L	-163	Standard
1	Se	77	4951.2	1.8	20,2328	0.354	1.8	ug/L	118	Standard
1		78	27889.5	1.3	20.7906	0.409	2.0	ug/L	13606	Standard
1	Se -1	70 79	416.3	2.5				ug/L	470	Standard
i	Br	79 82	6330.7	0.2	20,4296	0.233	1.1	ug/L	34	Standard
ı	Se -2		35.7	1,6	2.01-1.00	0,200		ug/L	34	Standard
	Kr	83		1.5				ug/L	745954	Standard
	Но	165	669439.7		19.7835	0.441	2.2	ug/L	990	Standard
	Pb	208	942755.8	1.8	19.7000	0.441	Ann 1 Ann	ug/L	414898	Standard
ļ	Bi	209	385678.2	0.5				ug/L	510163	Standard
ļ	Th	232	480972.4	0.4	04 0000	0.046	0.2	ug/L	242	KED
	Ni -3	58	199630.3	0.6	21,3063			_	100	KED
	Ni -4	60	86854.2	1.1	21.2288	0.126	0.6	ug/L	19	KED
	Ni -5	62	12862.8	1.5	21.2368	0.422	2.0	ug/L		
	As-2	75	12777.0	0.3	20.2656	0.056	0.3	ug/L	3	KED
	Y-1	89	93565.5	1.5				ug/L	98389	KED
	Rh-1	103	109566.0	2.0				ug/L	118370	KED
>	Ge	72	651812.6	1.1				ug/L	720115	Standard
>	Tb	159	769293.4	0.6				ug/L	850893	Standard
>	Ge-1	72	95978.0	0.5				ug/L	99799	KED
1 -										

QC Galculated va	nues			
Internal Standard Symbol	Analyte Ni -1	60	QC Std % Recovery	Int Std % Recovery
	As	75		
	As-1	75		
1	Se	77		
ĺ	Se -1	78		
İ	Br	79		
İ	Se -2	82		
·	Kr	83		
	Но	165		
İ	Pb	208		
İ	Bi	209		
İ	Th	232		
İ	Ni -3	58		
İ	Ni -4	60		
i	Ni -5	62		
	As-2	75		
'	Y-1	89		
	Rh-1	103		
>	Ge	72		
>	Tb	159		
>	Ge-1	72		

Sample ID: Standard 6

Sample Date/Time: Tuesday, August 19, 2025 08:03:30 Report Date/Time: Tuesday, August 19, 2025 08:27:24

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\Standard 6.018

Results (Mean Data)

						,				
IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
ı	Ni -1	60	267604.7	1.1	39.6817	0.303	0.8	ug/L	162	Standard
1	As	75	160473.5	1.6	39.4778	0.462	1.2	ug/L	13407	Standard
i	As-1	75	149125.2	1.6	39.4308	0.428	1.1	ug/L	-163	Standard
i	Se	77	9921.8	0,6	40,2964	0.500	1.2	ug/L	118	Standard
-	Se -1	78	43313.9	1.3	40.1956	0.462	1.2	ug/L	13606	Standard
-	Br	79	428.7	4.2				ug/L	470	Standard
-	Se -2	82	12606.9	0.8	40.1886	0,115	0.3	ug/L	34	Standard
1	Kr	83	39.3	12.8				ug/L	34	Standard
1	Но	165	664111.7	1.9				ug/L	745954	Standard
1	Pb	208	1878647.3	0.4	39.6106	0.592	1.5	ug/L	990	Standard
1	Bi	209	387241.0	1.1	****			ug/L	414898	Standard
	Th	232	487042.7	1.2				ug/L	510163	Standard
1	Ni -3	58	397457.8	0.7	40.8476	0.049	0.1	ug/L	242	KED
	Ni -4	60	171940.2	0,8	40.5681	0.039	0.1	ug/L	100	KED
	Ni -5	62	25385,5	0.7	40,5654	0,610	1.5	ug/L	19	KED
1	As-2	75	25789.6	1,5	40.1649	0.296	0.7	ug/L	3	KED
i	Y-1	89	95274.1	2.1				ug/L	98389	KED
	Rh-1	103	111702.4	1.4				ug/L	118370	KED
L	Ge	72	661092.6	0.6				ug/L	720115	Standard
>	Tb	159	760286.6	1.7				ug/L	850893	Standard
>	Ge-1	72	96650.5	0.8				ug/L	99799	KED
>	06"1	12	00000.0	0.0				•		

QC Calculated va	uues			
Internal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
İ	As	75		
	As-1	75		
	Se	77		
	Se -1	78		
	Br	79		
	Se -2	82		
·	Kr	83		
	Но	165		
	Pb	208		
	Bi	209		
	Th	232		
	Ni -3	58		
	Ni -4	60		
	Ni -5	62		
	As-2	75		
	Y-1	89		
	Rh-1	103		
>	Ge	72		
>	Tb	159		
>	Ge-1	72		

Sample ID: Standard 7

Sample Date/Time: Tuesday, August 19, 2025 08:06:50 Report Date/Time: Tuesday, August 19, 2025 08:27:25

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\Standard 7.019

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
ı	Ni -1	60	646826.0	1.3	93,4326	0.161	0.2	ug/L	162	Standard
-	As	75	379478.3	0.7	94.6182	0.841	0.9	ug/L	13407	Standard
i i		75 75	370799.4	0.9	94.7385	0.647	0.7	ug/L	-163	Standard
ŀ	As-1		24130.0	1.3	95.4303	1.088	1.1	ug/L	118	Standard
1	Se	77 70	88223.6	1.0	95.3048	0.536	0.6	ug/L	13606	Standard
1	Se -1	78 70	432.7	2.7	30,0040	0.000	4.5	ug/L	470	Standard
	Br	79		1.9	96.5638	0.487	0.5	ug/L	34	Standard
	Se -2	82	31342.7		90,0000	0.401	0.0	ug/L	34	Standard
1	Kr	83	47.0	14.7				ug/L	745954	Standard
ļ	Но	165	702207.6	1.7	05 5570	1.742	1.8	ug/L	990	Standard
	Pb	208	4682232.0	1.0	95.5570	1,144	1.0	ug/L	414898	Standard
!	Bi	209	402802.6	0.6					510163	Standard
	Th	232	508314.1	0.5		0.404	0.5	ug/L	242	KED
	Ni -3	58	966218.3	0.6	94.1361	0.431	0.5	ug/L		
	Ni -4	60	416537.6	8.0	93.3055	0.761	0.8	ug/L	100	KED
1	Ni -5	62	61100.1	1.0	93.0071	0.710	0.8	ug/L	19	KED
	As-2	75	62793.0	0.6	94.2628	0.509	0.5	ug/L	3	KED
	Y-1	89	98949.5	0.6				ug/L	98389	KED
	Rh-1	103	116355.3	0.7				ug/L	118370	KED
>	Ge	72	692903.1	1.4				ug/L	720115	Standard
	Tb	159	798392.5	0.9				ug/L	850893	Standard
>	Ge-1	72	101000.4	0.2				ug/L	99799	KED

QC Calculated Values

of odionion in	110100			
Internal Standard Symbol	Analyte		QC Std % Recovery	Int Std % Recovery
	Ni -1	60		
	As	75		
	As-1	75		
	Se	77		
	Se -1	78		
İ	Br	79		
İ	Se -2	82		
•	Kr	83		
1	Ho	165		
İ	Pb	208		
İ	Bi	209		
İ	Th	232		
İ	Ni -3	58		
	Ni -4	60		
İ	Ni -5	62		
İ	As-2	75		
•	Y-1	89		
	Rh-1	103		
>	Ge	72		
>	Tb	159		
>	Ge-1	72		
1.				

Sample ID: Standard 7

Report Date/Time: Tuesday, August 19, 2025 08:27:25

Page 1

Sample ID: QC Std 1

Sample Date/Time: Tuesday, August 19, 2025 08:11:00 Report Date/Time: Tuesday, August 19, 2025 08:27:26

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\QC Std 1.020

Results (Mean Data)

10	Analyte	Mose	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
IS I	Analyte Ni -1	60	338416.1	1.9	46.6233	0.261	0.6	ug/L	162	Standard
l i		75	203124.6	0.5	46.7561	0.537	1.1	ug/L	13407	Standard
-	As			0.7	47.1299	0.361	0.8	ug/L	-163	Standard
ļ	As-1	75 77	193174.7		46.7062	0.888	1.9	ug/L	118	Standard
	Se	77	12435.4	1.2		1.610	3.5	ug/L	13606	Standard
	Se -1	78	51509.0	1.2	45.8634	1.010	٠,٥	ug/L	470	Standard
	Br	79	435.0	5.8		4.000	0.0		34	Standard
	Se -2	82	16383.4	2.0	48.1002	1.230	2.6	ug/L		Standard
	Kr	83	39.3	15.3				ug/L	34	
1	Но	165	759448.1	0.6				ug/L	745954	Standard
	Pb	208	2523095.0	1.4	47.1576	1.337	2.8	ug/L	990	Standard
İ	Bi	209	430709.3	0.7				ug/L	414898	Standard
i	Th	232	536961.6	1.2				ug/L	510163	Standard
i	Ni -3	58	506057.9	0.3	47,2631	0.278	0.6	ug/L	242	KED
i	Ni -4	60	219214.1	0.2	47.0764	0.183	0.4	ug/L	100	KED
i	Ni -5	62	32058,9	0.4	46.7889	0.392	0.8	ug/L	19	KED
i	As-2	75	32653.3	1.1	47.0091	0.284	0.6	ug/L	3	KED
ı	Y-1	89	104644.9	0.8				ug/L	98389	KED
	Rh-1	103	122289.2	0.4				ug/L	118370	KED
1.	Ge	72	725938.3	1.5				ug/L	720115	Standard
>	Tb	159	871976.7	1.9				ug/L	850893	Standard
>		72	105294.6	0.5				ug/L	99799	KED
>	Ge-1	12	100294.0	0.0				J' I		

QC Calculated Values

	A1 01 0 0			
Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
	Ni -1	60	93.247	
	As	75	93.512	
İ	As-1	75	94.260	
İ	Se	77	93.412	
İ	Se -1	78	91.727	
İ	Br	79		
İ	Se -2	82	96.200	
•	Kr	83		
1	Но	165		
İ	Pb	208	94.315	
İ	Bi	209		
ì	Th	232		
İ	Ni -3	58	94.526	
İ	Ni -4	60	94.153	
İ	Ni -5	62	93.578	
İ	As-2	75	94.018	
·	Y-1	89		
	Rh-1	103		
>	Ge	72		100.809
>	Tb	159		102.478
>	Ge-1	72		105.507
1.				

Sample ID: QC Std 1

Report Date/Time: Tuesday, August 19, 2025 08:27:26

Page 1

Sample ID: QC Std 2

Sample Date/Time: Tuesday, August 19, 2025 08:29:27 Report Date/Time: Tuesday, August 19, 2025 08:31:17

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\QC Std 2.024

Results (Mean Data)

10		11	Intopolity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
IS	Analyte		Intensity		-0.0390	0.002	4.9	ug/L	162	Standard
ļ	Ni -1	60	199.0	10.1		0.049	77.1	ug/L	13407	Standard
-	As	75	12866.1	2.4	-0.0638				-163	Standard
	As-1	75	-14.4	249.4	0.0344	0.009	26.1	ug/L	118	
	Se	77	134.7	2.6	0.0404	0.006	15.5	ug/L		Standard
	Se -1	78	13013.3	2.2	-0.5984	0.248	41.5	ug/L	13606	Standard
	Br	79	446.7	6.7				ug/L	470	Standard
i	Se -2	82	71.3	4.5	0.0360	0.012	34.2	ug/L	34	Standard
	Kr	83	37.3	10.1				ug/L.	34	Standard
1	Но	165	798966.8	2.5				ug/L	745954	Standard
i	Pb	208	3196.8	9.5	0.0566	0.004	7.3	ug/L	990	Standard
i	Bi	209	437626.2	0.8				ug/L	414898	Standard
-	Th	232	510685.6	0.7				ug/L	510163	Standard
1	Ni -3	58	262.8	6.3	-0.0348	0.002	5.7	ug/L	242	KED
		60	108.3	2.3	-0.0267	0.001	2.2	ug/L	100	KED
	Ni -4		19.0	26.3	-0.0152	0.008	55.2	ug/L	19	KED
ļ	Ni -5	62		6.5	0.0102	0.002	20.3	ug/L	3	KED
ŀ	As-2	75	17.7		0.0104	0,002	20.0	ug/L	98389	KED
	Y-1	89	95946.1	0.7				ug/L	118370	KED
	Rh-1	103	115593.5	0.5				-	720115	Standard
>	Ge	72	722636.8	3.2				ug/L		
>	Тb	159	930603.0	2.8				ug/L	850893	Standard
>	Ge-1	72	94190.2	8.0				ug/L	99799	KED

			00 01-10/ Danasiani	Int Ctd 9/ Daggyory
Internal Standard Symbol			QC Std % Recovery	Int Std % Recovery
	Ni -1	60		
	As	75		
	As-1	75		
	Se	77		
	Se -1	78		
	Br	79		
	Se -2	82		
,	Kr	83		
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
j	Ni -3	58		
İ	Ni -4	60		
j	Ni -5	62		
	As-2	75		
·	Y-1	89		
	Rh-1	103		
>	Ge	72		100.350
>	Tb	159		109.368
>	Ge-1	72		94.380

Sample ID: QC Std 6

Sample Date/Time: Tuesday, August 19, 2025 08:33:38 Report Date/Time: Tuesday, August 19, 2025 08:35:27

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\QC Std 6.025

Results (Mean Data)

10	A I	- Maaa	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
IS	Analyt		246032.7	1.1	36.0855	1.549	4.3	ug/L	162	Standard
ŀ	Ni -1	60	• • • • •		40.9000	0.439	1.1	ug/L	13407	Standard
ŀ	As	75	168531.2	2.4				-	-163	Standard
	As-1	75	157485.0	2.5	40.8910	0.375	0.9	ug/L		
	Se	77	10594.3	4.2	42.2790	0.451	1.1	ug/L	118	Standard
	Se -1	78	45915.0	2.2	42.6538	0.783	1.8	ug/L	13606	Standard
	Br	79	440.7	1.5				ug/L	470	Standard
Ì	Se -2	82	13750.0	2.7	42.9345	0.542	1.3	ug/L	34	Standard
	Kr	83	37.3	21.8				ug/L	34	Standard
1	Но	165	731834.3	2.0				ug/L	745954	Standard
i	Pb	208	1947048.3	1.1	38.4150	0.085	0.2	ug/L	990	Standard
i	ВІ	209	404926.0	2.9				ug/L	414898	Standard
i	Th	232	481739.5	8.0				ug/L	510163	Standard
Ì	Ni -3	58	359094.1	0.5	38.0373	0.252	0.7	ug/L	242	KED
Ĺ	Ni -4	60	156199.6	0.5	38.0472	0.299	0.8	ug/L	100	KED
ĺ	Ni -5	62	23068.3	0.3	38.1878	0,162	0.4	ug/L	19	KED
1	As-2	75	24314.0	0.1	39.7112	0.151	0.4	ug/L	3	KED
	Y-1	89	93656.7	0.2				ug/L	98389	KED
	Rh-1	103	110500.1	0.7				ug/L	118370	KED
>	Ge	72	682285.3	3.4				ug/L	720115	Standard
>	Tb	159	825762.4	0.9				ug/L	850893	Standard
>	Ge-1	72	92808.2	0.4				ug/L	99799	KED

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
1	Ni -1	60	90.214	
İ	As	75	102.250	
İ	As-1	75	102.227	
İ	Se	77	105.698	
İ	Se -1	78	106.635	
İ	Br	79		
j	Se -2	82	107.336	
•	Kr	83		
	Ho	165		
İ	Pb	208	96.037	
İ	Bi	209		
İ	Th	232		
	Ni -3	58	95.093	
	Ni -4	60	95.118	
İ	Ni -5	62	95.469	
1	As-2	75	99.278	
•	Y-1	89		
	Rh-1	103		
>	Ge	72		94.747
>	Tb	159		97.047
>	Ge-1	72		92.995

Sample ID: QC Std 6

Report Date/Time: Tuesday, August 19, 2025 08:35:27

Page 1

Sample ID: QC Std 7

Sample Date/Time: Tuesday, August 19, 2025 08:37:48 Report Date/Time: Tuesday, August 19, 2025 08:39:37

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\QC Std 7.026

Results (Mean Data)

IS	Analyte	e Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode		
i	Ni -1	60	119179.4	0.4	18.0853	0.648	3.6	ug/L	162	Standard		
i	As	75	86902.8	4.1	20.3461	0.383	1.9	ug/L	13407	Standard		
i	As-1	75	75897.0	4.0	20.4431	0.327	1.6	ug/L	-163	Standard		
i	Se	77	5093.9	3.1	20.8430	0.196	0.9	ug/L	118	Standard		
i	Se -1	78	28014.1	2.6	20.9502	0.541	2.6	ug/L	13606	Standard		
i	Br .	79	406.0	4.9				ug/L	470	Standard		
i	Se -2	82	6715.2	1.8	21.6564	0.470	2.2	ug/L	34	Standard		
'	Kr	83	41.0	10.6				ug/L	34	Standard		
ı	Но	165	687471.3	2.4				ug/L	745954	Standard		
i	Pb	208	928273.4	2.7	19.0714	0.040	0.2	ug/L	990	Standard		
i	Ві	209	377533.2	2.3				ug/L	414898	Standard		
i	Th	232	452784.8	2.2				ug/L	510163	Standard		
i	Ni -3	58	178565.8	0.2	19.2788	0.101	0.5	ug/L	242	KED		
i	Ni -4	60	77544.9	0.5	19.2564	0.116	0.6	ug/L	100	KED		
i	Ni -5	62	11495.3	1.0	19.4035	0.116	0.6	ug/L	19	KED		
İ	As-2	75	12099.8	1.6	20.1662	0.370	1.8	ug/L	3	KED		
'	Y-1	89	91306.2	0.9				ug/L	98389	KED		
	Rh-1	103	108012.5	1.4				ug/L	118370	KED		
>	Ge	72	658229.0	4.0				ug/L	720115	Standard		
>	Tb	159	793000.8	2.5				ug/L	850893	Standard		
>	Ge-1	72	90912.0	0.7			•	ug/L	99799	KED		

Internal Standard Symbol	Analyte		QC Std % Recovery	Int Std % Recovery
	Ni -1	60	90.427	
	As	75	101.730	
İ	As-1	75	102.216	
	Se	77	104.215	
İ	Se -1	78	104.751	
İ	Br	79		
İ	Se -2	82	108.282	
	Kr	83		
	Но	165		
İ	Pb	208	95.357	
Ì	Bi	209		
Ì	Th	232		
Ì	Ni -3	58	96.394	
İ	Ni -4	60	96.282	
İ	Ni-5	62	97.017	
İ	As-2	75	100.831	
·	Y-1	89		
	Rh-1	103		
>	Ge	72		91,406
>	Tb	159		93.196
>	Ge-1	72		91.095

Sample ID: QC Std 8

Sample Date/Time: Tuesday, August 19, 2025 08:41:58 Report Date/Time: Tuesday, August 19, 2025 08:43:48

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\QC Std 8.027

Results (Mean Data)

IS	Analyt	e Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens,	Mode
1	Ni -1	60	146.3	1.0	-0.0443	0.001	2.6	ug/L	162	Standard
ĺ	As	75	12116.7	2.3	0.0366	0.061	165.5	ug/L	13407	Standard
j	As-1	75	-39.3	32.2	0.0274	0.004	13.8	ug/L	-163	Standard
ĺ	Se	77	110.3	7.3	-0.0126	0.024	194.1	ug/L	118	Standard
ĺ	Se -1	78	12243.2	2.1	-0.1158	0.325	280.9	ug/L	13606	Standard
ĺ	Br	79	396.0	4.6				ug/L	470	Standard
	Se -2	82	52.3	2.9	-0.0055	0.011	196.7	ug/L	34	Standard
	Kr	83	36,7	4.2				ug/L	34	Standard
	Ho	165	669136.7	2.0				ug/L	745954	Standard
1	Pb	208	1178.0	7.5	0.0255	0.001	5.6	ug/L	990	Standard
	Ві	209	377512.4	3.1				ug/L	414898	Standard
İ	Th	232	447233.6	1.7				ug/L	510163	Standard
	Ni -3	58	215.1	6.8	-0.0393	0.002	4.4	ug/L	242	KED
	Ni -4	60	84.3	4.9	-0.0321	0.001	3.8	ug/L	100	KED
	Ni -5	62	14.0	7.1	-0.0230	0.002	7.5	ug/L	19	KED
	As-2	75	8.0	37.5	-0.0050	0.005	97.2	ug/L	3	KED
	Y-1	89	92502.5	0.7				ug/L	98389	KED
	Rh-1	103	108842.4	0.5				ug/L	118370	KED
>	Ge	72	659920.7	4.1				ug/L	720115	Standard
>	Tb	159	773404.9	1.8				ug/L	850893	Standard
>	Ge-1	72	92311.6	1.0				ug/L	99799	KED

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Internal Standard Symbol			QC Std % Recovery	Int Std % Recovery
	Ni -1	60		
	As	75		
	As-1	75		
	Se	77		
İ	Se -1	78		
Ì	Br	79		
	Se -2	82		
	Kr	83		
	Ho	165		
1	Pb	208		
	Bi	209		
	Th	232		
	Ni -3	58		
	Ni -4	60		
	Ni -5	62		
	As-2	75		
	Y-1	89		
	Rh-1	103		
>	Ge	72		91.641
>	Tb	159		90.893
>	Ge-1	72		92.498

Sample ID: MB0819WW1 2X

Sample Date/Time: Tuesday, August 19, 2025 08:51:09 Report Date/Time: Tuesday, August 19, 2025 08:52:58

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\MB0819WM1 2X.028

Results (Mean Data)

IS	Analyte	Mage	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
10	Ni -1	60	315.3	9.0	-0.0159	0.005	33.7	ug/L.	162	Standard
1		75	12047.4	1.1	0.2044	0.024	11.5	ug/L	13407	Standard
-	As As 4	75 75	-61.1	40.3	0.0207	0.007	34.0	ug/L	-163	Standard
-	As-1		88.0	17.8	-0.0836	0.075	89.6	ug/L	118	Standard
1	Se	77			0.6939	0.109	15.7	ug/L	13606	Standard
1	Se -1	78	12157.8	1.1	0.0333	0,100	10.1	ug/L	470	Standard
!	Br	79	356.3	9.0	-0.0474	0.021	44.7	ug/L	34	Standard
1	Se -2	82	37.3	17.0	-0.0474	0.021	-1-1.7	ug/L	34	Standard
	Kr	83	31.7	17.4				ug/L ug/L	745954	Standard
ļ	Но	165	637384.7	1.8	0.000**	0.000	1.3	_	990	Standard
	Pb	208	1442.7	0.8	0.0325	0.000	1.3	ug/L	414898	Standard
	Bi	209	361721.3	1.2				ug/L		Standard
	Th	232	433359.4	1.2				ug/L	510163	
	Ni -3	58	457.9	5.2	-0.0121	0.003	20.9	ug/L	242	KED
	Ni -4	60	192.0	7.0	-0.0044	0.003	66.6	ug/L	100	KED
į	Ni -5	62	26,3	17.1	-0.0012	0.007	587.3	ug/L	19	KED
i	As-2	75	5.7	73.5	-0.0086	0.007	82.2	ug/L	3	KED
•	Y-1	89	90805.7	8.0				ug/L	98389	KED
	Rh-1	103	103583.9	0.5				ug/L	118370	KED
>	Ge	72	623983.2	1.8				ug/L	720115	Standard
>	Tb	159	740068.6	1.5				ug/L	850893	Standard
>	Ge-1	72	89836.9	1.0				ug/L	99799	KED
10										

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Internal Standard Symbol	Analyte		QC Std % Recovery	Int Std % Recovery
	Ni -1	60		
	As	75		
	As-1	75		
	Se	77		
	Se -1	78		
	Br	79		
	Se -2	82		
•	Kr	83		
	Но	165		
	Pb	208		
	Bi	209		
	Th	232		
	Ni -3	58		
	Ni -4	60		
	Ni -5	62		
	As-2	75		
	Y-1	89		
	Rh-1	103		
>	Ge	72		86.651
>	Tb	159		86.975
>	Ge-1	72		90.018

Sample ID: SB0819WW1 2X

Sample Date/Time: Tuesday, August 19, 2025 08:55:19 Report Date/Time: Tuesday, August 19, 2025 08:57:07

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\SB0819WM1 2X.029

Results (Mean Data)

					•	•				
IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
ı	NI -1	60	306467.8	0.3	44.9687	0.192	0.4	ug/L	162	Standard
ĺ	As	75	194337.0	0.3	47.7013	0.345	0.7	ug/L	13407	Standard
i	As-1	75	184512.2	0.1	47.9419	0.235	0.5	ug/L	-163	Standard
ì	Se	77	11974.0	1.1	47.9058	0.668	1.4	ug/L	118	Standard
i	Se -1	78	49229.0	1.3	46.9660	1.042	2.2	ug/L	13606	Standard
i	Br	79	400.0	3.1				ug/L	470	Standard
i	Se -2	82	15534.4	0.5	48.5707	0.409	8.0	ug/L	34	Standard
1	Kr	83	40.0	13.9				ug/L	34	Standard
1	Но	165	712755.5	3.5				ug/L	745954	Standard
i	Pb	208	2324727.3	0.4	46.0495	0.294	0.6	ug/L	990	Standard
i	Bi	209	401335.3	0.9				ug/L	414898	Standard
i	Th	232	481635.1	0.2				ug/L	510163	Standard
i	Ni -3	58	466523.7	0.6	45.3169	0.387	0.9	ug/L	242	KED
i	Ni -4	60	203953.3	0.8	45.5552	0.442	1.0	ug/L	100	KED
İ	Ni -5	62	29828.8	0.4	45,2791	0.322	0.7	ug/L	19	KED
i	As-2	75	31536.8	0.5	47.2248	0.185	0.4	ug/L	3	KED
•	Y-1	89	101952.2	0.4				ug/L	98389	KED
	Rh-1	103	118350.6	0,2				ug/L	118370	KED
>	Ge	72	681594.1	0.6				ug/L	720115	Standard
>	Tb	159	822525.8	1.0				ug/L	850893	Standard
>	Ge-1	72	101232.1	0,3				ug/L	99799	KED
1/			1 50 1 500 50 500 1					-		

Internal Standard Symbol			QC Std % Recovery	Int Std % Recovery
	Ni -1	60		
	As	75		
	As-1	75		
	Se	77		
	Se -1	78		
	Br	79		
	Se -2	82		
	Kr	83		
	Ho	165		
	Pb	208		
	Bi	209		
j	Th	232		
İ	Ni -3	58		
ļ	Ni -4	60		
	Ni -5	62		
	As-2	75		
•	Y-1	89		
	Rh-1	103		
>	Ge	72		94.651
>	Tb	159		96.666
>	Ge-1	72		101.436
• •				

Sample ID: 08-183-10b 2X

Sample Date/Time: Tuesday, August 19, 2025 09:00:29 Report Date/Time: Tuesday, August 19, 2025 09:02:19

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-183-10b 2X.030

Results (Mean Data)

						,				
IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
ĺ	Ni -1	60	3040.3	1.8	0.4309	0.008	1.8	ug/L	162	Standard
i	As	75	14366.7	1.9	0.9480	0.059	6.2	ug/L	13407	Standard
l	As-1	75	2763.4	2.3	0.8368	0.008	0.9	ug/L	-163	Standard
	Se	77	112.0	9.3	0.0320	0.061	190.4	ug/L	118	Standard
-	Se -1	78	11717.1	1.9	0.3925	0.234	59.6	ug/L	13606	Standard
	Br	70 79	2855.6	4.5	4.0 4.1			ug/L	470	Standard
		82	62.0	11.2	0.0410	0.020	48.6	ug/L	34	Standard
ı	Se -2	83	36.3	18.7	0.01.0			ug/L	34	Standard
ł	Kr u.	165	583394.6	1.9				ug/L	745954	Standard
ł i	Ho	208	6034.5	2.7	0.1458	0.003	2.3	ug/L	990	Standard
!	Pb	209	329530,2	1.9	011100			ug/L	414898	Standard
1	Bi		401068.4	0.2				ug/L	510163	Standard
	Th	232 58	5179.9	4.2	0.4831	0.017	3.6	ug/L	242	KED
-	Ni -3		1964.8	2.2	0.4228	0,006	1.4	ug/L	100	KED
-	Ni -4	60 60	270.3	6.0	0.3983	0.024	6.0	ug/L	19	KED
	Ni -5	62	511.7	2.9	0,8118	0.027	3.3	ug/L	3	KED
ı	As-2	75		1.2	0.0110	0.021	0.0	ug/L	98389	KED
	Y-1	89	92812.9					ug/L	118370	KED
	Rh-1	103	104489.8	1.2				ug/L	720115	Standard
>	Ge	72	612278.7	3.1				-	850893	Standard
>	Tb	159	677467.8	0,4				ug/L	99799	KED
>	Ge-1	72	93510.7	1.0				ug/L	99199	KLU

go outoutated	Walado			
Internal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
j	As	75		
İ	As-1	75		
	Se	77		
	Se -1	78		
	Br	79		
İ	Se -2	82		
•	Kr	83		
	Но	165		
İ	Pb	208		
İ	Bi	209		
	Th	232		
İ	Ni -3	58		
İ	Ni -4	60		
İ	Ni -5	62		
1	As-2	75		
	Y-1	89		
	Rh-1	103		
>	Ge	72		85.025
>	Tb	159		79.618
>	Ge-1	72		93.699

Sample ID: 08-183-10b D 2X

Sample Date/Time: Tuesday, August 19, 2025 09:04:39 Report Date/Time: Tuesday, August 19, 2025 09:06:28

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-183-10b D 2X.031

Results (Mean Data)

						•				
IS	Analyt	e Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
	Ni -1	60	3133.0	0.9	0.4896	0.003	0.5	ug/L	162	Standard
	As	75	13960.4	0.7	1.1750	0.029	2.4	ug/L	13407	Standard
	As-1	75	2735.6	0.4	0.8959	0.011	1.2	ug/L	-163	Standard
	Se	77	116.7	7.4	0.0964	0.039	40.8	ug/L	118	Standard
	Se -1	78	11323.2	0.8	1.2038	0.110	9.1	ug/L	13606	Standard
	Br	79	2858.3	1.9				ug/L	470	Standard
	Se -2	82	55.3	7.3	0.0345	0.017	48.4	ug/L	34	Standard
	Kr	83	26.3	4.4				ug/L	34	Standard
1	Но	165	547080.7	0.8				ug/L	745954	Standard
	Pb	208	5826.8	0.5	0.1504	0.002	1.7	ug/L	990	Standard
	Bi	209	. 316025.8	1.5				ug/L	414898	Standard
	Th	232	386721.8	1.7				ug/L	510163	Standard
1	NI ~3	58	5284.0	1.6	0.5203	0.014	2.6	ug/L	242	KED
	Ni -4	60	2030.8	0.2	0.4620	0.006	1.3	ug/L	100	KED
	Ni -5	62	287.0	8.4	0.4482	0.045	10.0	ug/L	19	KED
-	As-2	75	520.7	5.6	0.8656	0.038	4.4	ug/L	3	KED
	Y-1	89	87666.2	0.5				ug/L	98389	KED
	Rh-1	103	98153.7	0.7				ug/L	118370	KED
>	Ge	72	564284.1	1.0				ug/L	720115	Standard
>	Tb	159	634491.6	2.2				ug/L	850893	Standard
>	Ge-1	72	89323.7	1.3				ug/L	99799	KED

Se Valculated v	aiues			
Internal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
	As	75		
	As-1	75		
	Se	77		
	Se -1	78		
	Br	79		
1	Se -2	82		
	Kr	83		
	Но	165		
1	Pb	208		
	Bi	209		
	Th	232		
1	Ni -3	58		
	Ni -4	60		
	Ni -5	62		
	As-2	75		
	Y-1	89		
	Rh-1	103		
>	Ge	72		78.360
>	Tb	159		74.568
>	Ge-1	72		89.504

Sample ID: 08-183-10b L 10X

Sample Date/Time: Tuesday, August 19, 2025 09:08:49 Report Date/Time: Tuesday, August 19, 2025 09:10:37

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-183-10b L 10X.032

Results (Mean Data)

					- ····	,				
IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
i	Ni -1	60	891.4	1.7	0.0830	0,003	3.8	ug/L	162	Standard
İ	As	75	11782.2	1.3	0.2816	0.064	22.8	ug/L	13407	Standard
-	As-1	75	467.6	12.8	0.1767	0.019	10.5	ug/L	-163	Standard
l I	Se	77	95.7	7,0	-0.0314	0.033	105.5	ug/L	118	Standard
1		78	11372.9	0.8	0.3159	0.220	69.6	ug/L	13606	Standard
-	Se -1	70 79	835.0	0.9	******			ug/L	470	Standard
I	Br	82	39.7	2.9	-0.0332	0.003	10.4	ug/L	34	Standard
I	Se -2		32.3	4.7	0,000			ug/L	34	Standard
1	Kr	83		1.0				ug/L	745954	Standard
	Ho	165	575372.9		0.0575	0.002	3.6	ug/L	990	Standard
ļ	Pb	208	2311.1	2.4	0.0070	0.002	0.0	ug/L	414898	Standard
	Bi	209	341384.9	1.2				ug/L	510163	Standard
ļ	Th	232	417637.3	0.6	0.4054	0.008	7.9	ug/L	242	KED
1	NI -3	58	1567.9	6.0	0.1051			ug/L	100	KED
	Ni -4	60	576.7	8.0	0.0889	0.012	13.4	-	19	KED
	Ni -5	62	84.3	14.3	0.0946	0.022	22.9	ug/L	3	KED
	As-2	75	118.3	14.8	0.1765	0.028	15.9	ug/L	_	
	Y-1	89	90529.3	1.2				ug/L	98389	KED
	Rh-1	103	10348 O .8	1.6				ug/L	118370	KED
>	Ge	72	5968 78 .4	0.7				ug/L	720115	Standard
>	Tb	159	6634 4O .8	1.3				ug/L	850893	Standard
>	Ge-1	72	92204.3	1.1				ug/L	99799	KED

į	nternal Standard Symbol	Analyte		QC Std % Recovery	Int Std % Recovery
		Ni -1	60		
		As	75		
Ì		As-1	75		
-		Se	77		
į		Se -1	78		
Ì		Br	79		
Ì		Se -2	82		
		Kr	83		
		Но	165		
İ		Pb	208		
ĺ		Bi	209		
ĺ		Th	232		
		Ni -3	58		
		Ni -4	60		
İ		Ni -5	62		
Ì		As-2	75		
		Y-1	89		
		Rh-1	103		
	>	Ge	72		82.887
į	>	Tb	159		77.970
	>	Ge-1	72		92.390

Sample ID: 08-183-10b MS 2X

Sample Date/Time: Tuesday, August 19, 2025 09:12:58 Report Date/Time: Tuesday, August 19, 2025 09:14:47

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-183-10b MS 2X.033

Results (Mean Data)

10	A It at	Mooo	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
IS	Analyte		261678.6	0,4	44.6804	0.152	0.3	ug/L	162	Standard
-	Ni -1	60		0.5	48.1436	0.543	1.1	ug/L	13407	Standard
ļ	As	75	168451.0	1.1	47.8809	0.707	1.5	ug/L	-163	Standard
	As-1	75	158354.5			0.272	0.6	ug/L	118	Standard
	Se	77	10234.3	0.9	47.6431		1.5	ug/L	13606	Standard
	Se -1	78	42756.2	0.6	47.6414	0.704	1.0		470	Standard
	Br	79	2729.6	8.0		4.000	0.0	ug/L	34	Standard
	Se -2	82	12878.5	1.8	46.8526	1.038	2.2	ug/L		Standard
	Kr	83	30.0	5.8				ug/L	34	
1	Но	165	561271.2	2.1				ug/L	745954	Standard
Ì	Pb	208	1838527.5	1.3	45.8239	0.848	1.9	ug/L	990	Standard
i	ВІ	209	321782.3	1.1				ug/L	414898	Standard
i	Th	232	392469.9	1.6				ug/L	510163	Standard
i	Ni -3	58	416388.9	1.5	44.1143	0.457	1.0	ug/L	242	KED
i	Ni -4	60	181625.0	0.7	44,2481	0.139	0.3	ug/L	100	KED
i	Ni -5	62	26674.6	1.4	44.1631	0.362	0.8	ug/L	19	KED
i	As-2	75	28992.4	1.8	47.3531	0.608	1.3	ug/L	3	KED
'	Y-1	89	91746.0	1.5				ug/L	98389	KED
	Rh-1	103	102165.4	0.4				ug/L	118370	KED
>	Ge	72	585731.7	0.7				ug/L	720115	Standard
>	Tb	159	653722.5	0.6				ug/L	850893	Standard
>	Ge-1	72	92808.2	0.6				ug/L	99799	KED

				1 (O) 1 () D
Internal Standard Symbol			QC Std % Recovery	Int Std % Recovery
	Ni -1	60		
	As	75		
	As-1	75		
	Se	77		
İ	Se -1	78		
	Br	79		
İ	Se -2	82		
	Kr	83		
1	Но	165		
İ	Pb	208		
	Bi	209		
	Th	232		
i	Ni -3	58		
	Ni -4	60		
	Ni -5	62		
	As-2	75		
	Y-1	89		
	Rh-1	103		
>	Ge	72		81.339
>	Tb	159		76.828
>	Ge-1	72		92.995
1/	'	,		

Sample ID: 08-183-10b MSD 2X

Sample Date/Time: Tuesday, August 19, 2025 09:17:08 Report Date/Time: Tuesday, August 19, 2025 09:18:58

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File; C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-183-10b MSD 2X.034

Results (Mean Data)

			la tampo ita e	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
IS	Analyte		Intensity		45.9582	0.983	2.1	ug/L	162	Standard
	Ni -1	60	267965.0	0.9	49.2805	0.251	0.5	ug/L	13407	Standard
	As	75	171464.3	1.9		0.296	0.6	ug/L	-163	Standard
	As-1	75	161715.9	1.5	49.1016			-	118	Standard
	Se	77	10364.1	1.7	48.4612	0.609	1.3	ug/L	13606	Standard
	Se -1	78	44176.6	3.1	50.0370	1,194	2.4	ug/L	470	Standard
ĺ	Br	79	2824.3	3.2				ug/L		
i	Se -2	82	13574.4	1.3	49.6022	0.256	0.5	ug/L	34	
,	Kr	83	30.0	16.7				ug/L	34	Standard
1	Но	165	583812.5	0.8				ug/L	745954	Standard
	Pb	208	1920539.1	0.8	46.6223	1.082	2.3	ug/L	990	Standard
i	Bi	209	330157.0	0.7				ug/L	414898	Standard
ľ	Th	232	401667.6	0.6				ug/L	510163	Standard
l I	Ni -3	58	415924.9	0.7	44.9156	0.145	0.3	ug/l	242	KED
1	Ni -4	60	181530.4	0.6	45,0770	0.054	0,1	ug/L	100	KED
J l	Ni -5	62	26847.5	0.6	45.3075	0.083	0.2	ug/L	19	KED
l I		75	28990.4	0.6	48.2639	0.275	0.6	ug/L	3	KED
i	As-2	75 89	91854.1	1.3				ug/L	98389	KED
	Y-1		102709.4	2.5				ug/L	118370	KED
	Rh-1	103		1.5				ug/L	720115	Standard
>	Ge	72	583258.2					ug/L	850893	Standard
>	Tb	159	671351.9	2.2				ug/L	99799	KED
>	Ge-1	72	91055.6	0.5				ug/ L	00100	,

GC Calculated v	alucs			
Internal Standard Symbol I	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
i	As	75		
	As-1	75		
	Se	77		
i	Se -1	78		
	Br	79		
	Se -2	82		
r	Kr	83		
	Но	165		
j	Pb	208		
	Bi	209		
İ	Th	232		
	Ni -3	58		
į	Ni -4	60		
İ	Ni -5	62		
İ	As-2	75		
·	Y-1	89		
	Rh-1	103		
>	Ge	72		80.995
>	Tb	159		78.900
>	Ge-1	72		91.239

Sample ID: 08-183-10b PS 2X

Sample Date/Time: Tuesday, August 19, 2025 09:21:19 Report Date/Time: Tuesday, August 19, 2025 09:23:08

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-183-10b PS 2X.035

Results (Mean Data)

					•	,				
[8	Analyte	e Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
	Ni -1	60	208516.0	1.8	36.4274	0.393	1.1	ug/L	162	Standard
i	As	75	138334.8	1.3	39.9485	0.499	1.2	ug/L	13407	Standard
i	As-1	75	128248.2	1.2	39.6962	0.438	1.1	ug/L	-163	Standard
i	Se	77	8357.8	2.4	39.7468	0.948	2.4	ug/L	118	Standard
i	Se -1	78	37061.3	0.7	40.4213	0.877	2.2	ug/L	13606	Standard
i	Br	79	2733.9	1.8				ug/L	470	Standard
i	Se -2	82	10639.3	1.2	39.5936	0.896	2.3	ug/L	34	Standard
'	Kr	83	32,3	1.8				ug/L	34	Standard
1	Но	165	573323.1	1.6				ug/L	745954	Standard
i	Pb	208	1519909.2	0.8	37.5792	1.207	3.2	ug/L	990	Standard
i	Bi	209	323843.4	2.3				ug/L	414898	Standard
i	Th	232	391929.0	1.1				ug/L	510163	Standard
i	Ni -3	58	328758.8	0.4	36.0017	0.321	0.9	ug/L	242	KED
i	Ni -4	60	142867,5	0.5	35.9763	0.262	0.7	ug/L	100	KED
i	Ni -5	62	21073.9	1.0	36.0666	0.430	1.2	ug/L	19	KED
i	As-2	75	22910.7	0.8	38.6863	0.142	0.4	ug/L	3	KED
	Y-1	89	89547.5	2.1				ug/L	98389	KED
	Rh-1	103	100388.9	1.1				ug/L	118370	KED
:	- Ge	72	572258.1	1.0				ug/L	720115	Standard
į:	→ Tb	159	659312.4	2.6				ug/L	850893	Standard
į:	~ 4	72	89768.5	1.1				ug/L	99799	KED

Internal Standard Symbol Analyte Mass QC Std % Recovery Int Std % Recover Ni -1 60	ıı y
As 75 As-1 75 Se 77 Se -1 78 Br 79 Se -2 82 Kr 83 Ho 165 Pb 208 Bi 209 Th 232 Ni -3 58	
As-1 75 Se 77 Se -1 78 Br 79 Se -2 82 Kr 83 Ho 165 Pb 208 Bi 209 Th 232 Ni -3 58	
Se 77 Se -1 78 Br 79 Se -2 82 Kr 83 Ho 165 Pb 208 Bi 209 Th 232 Ni -3 58	
Se -1 78 Br 79 Se -2 82 Kr 83 Ho 165 Pb 208 Bi 209 Th 232 Ni -3 58	
Br 79 Se -2 82 Kr 83 Ho 165 Pb 208 Bi 209 Th 232 Ni -3 58	
Se -2 82 Kr 83 Ho 165 Pb 208 Bi 209 Th 232 Ni -3 58	
Kr 83 Ho 165 Pb 208 Bi 209 Th 232 Ni -3 58	
Ho 165 Pb 208 Bi 209 Th 232 Ni -3 58	
Pb 208 Bi 209 Th 232 Ni -3 58	
Bi 209 Th 232 Ni -3 58	
Th 232 Ni -3 58	
Ni -3 58	
·	
Ni -4 60	
141-74 00	
Ni -5 62	
As-2 75	
Y-1 89	
Rh-1 103	
> Ge 72 79.46	68
> Tb 159 77.48	85
Se-1 72 89.95	50

Sample ID: 08-131-01 2X

Sample Date/Time: Tuesday, August 19, 2025 09:25:30 Report Date/Time: Tuesday, August 19, 2025 09:27:19

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-131-01 2X.036

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
1	Ni -1	60	57933.6	2,2	9.2134	0.379	4.1	ug/L	162	Standard
Ì	As	75	16118.9	2.0	1.3580	0.031	2.2	ug/L	13407	Standard
	As-1	75	4831.9	4.4	1,4042	0.028	2.0	ug/L	-163	Standard
i	Se	77	141.7	0.8	0,1510	0.018	11.9	ug/L	118	Standard
İ	Se -1	78	11454.6	1.1	-0.3356	0.224	66.7	ug/L	13606	Standard
	Br	79	3598.5	3.2				ug/L	470	Standard
	Se -2	82	82.7	10.3	0,1070	0.025	23.0	ug/L	34	Standard
1	Kr	83	73.3	1,6				ug/L	34	Standard
1	Но	165	612799.8	1.9				ug/L	745954	Standard
1	Pb	208	88304.7	2.8	2.0292	0.007	0.3	ug/L	990	Standard
	Bi	209	339792.7	1.3				ug/L	414898	Standard
	Th	232	403407.4	1,6				ug/L	510163	Standard
ļ	Ni -3	58	97342.3	1.4	10.1725	0.108	1.1	ug/L	242	KED
ĺ	Ni -4	60	40582.9	1.4	9.7574	0.175	1.8	ug/L	100	KED
1	Ni -5	62	6143.3	8.3	10.0430	0.817	8.1	ug/L	19	KED
Ì	As-2	75	908.4	2.5	1,4528	0.037	2.6	ug/L	3	KED
ı	Y-1	89	116629.2	1.2				ug/L	98389	KED
	Rh-1	103	106000.2	0.6				ug/L	118370	KED
>	Ge	72	625658.4	2.5				ug/L	720115	Standard
ì	Tb	159	709279.1	3.1				ug/L	850893	Standard
i		72	93650,3	0.5				ug/L	99799	KED
>	Ge-1							-		

				0
Internal Standard Symbol	Analyte		QC Std % Recovery	Int Std % Recovery
	Ni -1	60		
1	As	75		
	As-1	75		
	Se	77		
İ	Se -1	78		
İ	Br	79		
İ	Se -2	82		
	Kr	83		
	Но	165		
İ	Pb	208		
İ	Bi	209		
İ	Th	232		
İ	Ni -3	58		
İ	Ni -4	60		
İ	Ni -5	62		
İ	As-2	75		
	Y-1	89		
	Rh-1	103		
>	Ge	72		86,883
>	Tb	159		83.357
>	Ge-1	72		93,839
1,				

Sample ID: 08-131-02 2X

Sample Date/Time: Tuesday, August 19, 2025 09:29:39 Report Date/Time: Tuesday, August 19, 2025 09:31:28

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-131-02 2X.037

Results (Mean Data)

					` _	, 00	505	1.1	Diamir Intona	Mada
IS	Analyte	∍ Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
1	Ni -1	60	3200.0	2.7	0.4710	0.012	2.5	ug/L	162	Standard
i	As	75	11625.3	1.4	0.2384	0.003	1.5	ug/L	13407	Standard
i	As-1	75	373.1	12.7	0.1487	0.013	8.9	ug/L	-163	Standard
i	Se	77	101.7	3.5	-0.0030	0.023	742.4	ug/L	118	Standard
i	Se -1	78	11336.2	1.2	0.2808	0.067	23.7	ug/L	13606	Standard
i	Br	79	1 752.8	1.8				ug/L	470	Standard
i	Se -2	82	49.7	9.1	0.0028	0.016	556,3	ug/L	34	Standard
•	Kr	83	30.0	23.3				ug/L	34	Standard
1	Ho	165	582728.4	1.8				ug/L	745954	Standard
i	Pb	208	4092.6	3.0	0.0995	0.002	2.0	ug/L	990	Standard
i	Bi	209	336396.6	0.3				ug/L	414898	Standard
i	Th	232	400532.0	0.5				ug/L	510163	Standard
Ì	Ni -3	58	5063.8	0.9	0.4751	0.008	1.6	ug/L	242	KED
i	Ni -4	60	2092.5	3.2	0.4577	0.014	3.1	ug/L	100	KED
Ì	Ni -5	62	329.7	1.1	0.5002	0.004	8.0	ug/L	19	KED
ĺ	As-2	75	88.3	4.3	0.1263	0.006	5.1	ug/L	3	KED
·	Y-1	89	92709.2	0.5				ug/L	98389	KED
	Rh-1	103	103477.1	0.3				ug/L	118370	KED
>	Ge	72	596 187.3	1.4				ug/L	720115	Standard
İ>	Tb	159	674901.2	1.2				ug/L,	850893	Standard
>	Ge-1	72	92795.1	0.5				ug/L	99799	KED

Internal Standard Symbol	Analyto	Macc	QC Std % Recovery	Int Std % Recovery
Internal Standard Symbol	Ni -1	60	QO Ola 70 Necovery	THE OLD 70 PROGRAM
1				
	As	75		
	As-1	75		
	Se	77		
	Se -1	78		,
	Br	79		
	Se -2	82		
	Kr	83		
	Но	165		
	Pb	208		
	Bi	209		
	Th	232		
	Ni -3	58		
	Ni -4	60		
	Ni -5	62		
	As-2	75		
	Y-1	89		
	Rh-1	103		
>	Ge	72		82.791
>	Tb	159		79.317
>	Ge-1	72		92,982

Sample ID: QC Std 6

Sample Date/Time: Tuesday, August 19, 2025 09:33:49 Report Date/Time: Tuesday, August 19, 2025 09:35:38

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\QC Std 6.038

Results (Mean Data)

					- ((,				
IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
ı	Ni -1	60	224987.2	0.7	37.2030	0.965	2.6	ug/L	162	Standard
1	As	75	148503.0	2.4	40.6229	0.187	0.5	ug/L	13407	Standard
1		75 75	137931.9	2.3	40.3909	0,148	0.4	ug/L	-163	Standard
-	As-1		9215.3	3.2	41,4776	0.609	1.5	ug/L	118	Standard
-	Se	77			41.5911	0.350	0.8	ug/L	13606	Standard
ļ	Se -1	78	39983.2	2.4	M1.0011	0.000	*.*	ug/L	470	Standard
	Br	79	414.3	10.3	40.0442	0.363	0.9	ug/L	34	Standard
	Se -2	82	11600.0	2.0	40.8443	0,505	0.0	ug/L	34	Standard
	Kr	83	32.7	22.1					745954	Standard
1	Но	165	579539.2	3.6		4 000	0.7	ug/L	990	Standard
	Pb	208	1657880.6	1.8	40.0389	1.089	2.7	ug/L		
ĺ	Bi	209	340419.0	2.6				ug/L	414898	Standard
ì	Th	232	404078.3	0.8				ug/L	510163	Standard
i	Ni -3	58	356143.0	1.5	38.2319	0.332	0.9	ug/L	242	KED
ľ	Ni -4	60	154427.9	0.2	38.1227	0.164	0.4	ug/L	100	KED
İ	Ni -5	62	23069.6	0.8	38.7047	0.072	0.2	ug/L	19	KED
1		75	24233.9	1.6	40.1122	0.400	1.0	ug/L	3	KED
1	As-2		91118.3	0.3	101112			ug/L	98389	KED
	Y-1	89						ug/L	118370	KED
	Rh-1	103	102749.9	0.7				ug/L	720115	Standard
>	Ge	72	604836.3	2.0				_	850893	Standard
>	Tb	159	674806.0	2.1				ug/L	99799	KED
>	Ge-1	72	91573.9	0.7				ug/L	99199	I/LD

go oaloalaca v	MINOS			
Internal Standard Symbol	Analyte		QC Std % Recovery	Int Std % Recovery
	Ni -1	60	93.007	
1	As	75	101.557	
	As-1	75	100.977	
İ	Se	77	103.694	
İ	Se -1	78	103.978	
İ	Br	79		
	Se -2	82	102.111	
•	Kr	83		
	Но	165		
İ	Pb	208	100.097	
	Bi	209		
	Th	232		
	Ni -3	58	95.580	
	Ni -4	60	95.307	
i	Ni -5	62	96.762	
	As-2	75	100.281	
1	Y-1	89		
	Rh-1	103		
>	Ge	72		83,992
>	Tb	159		79.306
>	Ge-1	72		91.759

Sample ID: QC Std 7

Sample Date/Time: Tuesday, August 19, 2025 09:37:59 Report Date/Time: Tuesday, August 19, 2025 09:39:49

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\QC Std 7.039

Results (Mean Data)

IS	Analyte	Mace	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
1	Ni -1	60	111458.5	1.2	18,9652	0.868	4.6	ug/L	162	Standard
		75	77520.9	2.3	20.3507	0.349	1.7	ug/L	13407	Standard
l I	As		67085.3	2.5	20,2594	0.209	1.0	ug/L	-163	Standard
	As-1	75	4387.3	1.2	20.1132	0.463	2.3	ug/L	118	Standard
	Se	77			20.4827	0.638	3.1	ug/L	13606	Standard
ļ	Se -1	78	24678.3	2.1	&U,40&1	0.000	0.1	ug/L	470	Standard
ļ	Br	79	365.7	4.4	00.2447	0.336	1.7	ug/L	34	Standard
1	Se -2	82	5625.1	3.5	20.3147	0,550	F , 1	ug/L	34	Standard
	Kr	83	34.3	21.1				ug/L	745954	Standard
	Но	165	548782.3	2.1	00.4880	0.405	0.4		990	Standard
	Pb	208	795758.3	0.9	20.1776	0.425	2.1	ug/L	414898	Standard
	Bi	209	327031.9	1.6				ug/L	510163	Standard
	Th	232	388079.4	0.7				ug/L		
	Ni -3	58	178140.4	1.0	19.4420	0.378	1.9	ug/L	242	KED
ĺ	Ni -4	60	77924.0	0.7	19.5612	0.349	1.8	ug/L	100	KED
ĺ	Ni -5	62	11418.2	0.5	19.4829	0.316	1.6	ug/L	19	KED
Ĺ	As-2	75	12239.9	0.3	20.6200	0.256	1.2	ug/L	3	KED
	Y-1	89	88435.9	0.7				ug/L	98389	KED
	Rh-1	103	99003.9	8.0				ug/L	118370	KED
>	Ge	72	587193.8	3.5				ug/L	720115	Standard
>	Tb	159	642778.5	2.7				ug/L	850893	Standard
>	Ge-1	72	89947.0	1.2				ug/L	99799	KED

QC Calculated Values

ata adiodiaca M	41444			
Internal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery 94.826	Int Std % Recovery
	As	75	101.753	
	As-1	75	101.297	
	Se	77	100.566	
	Se -1	78	102.413	
	Br	79		
	Se -2	82	101.574	
	Kr	83		
1	Ho	165		
	Pb	208	100.888	
	Bi	209		
İ	Th	232		
	Ni -3	58	97.210	
	Ni -4	60	97.806	
	Ni -5	62	97.415	
	As-2	75	103.100	
•	Y-1	89		
	Rh-1	103		
>	Ge	72		81.542
>	Tb	159		75.542
>	Ge-1	72		90.128

Sample ID: QC Std 7

Report Date/Time: Tuesday, August 19, 2025 09:39:49

Page 1

172

Sample ID: QC Std 8

Sample Date/Time: Tuesday, August 19, 2025 09:42:10 Report Date/Time: Tuesday, August 19, 2025 09:43:59

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\QC Std 8.040

Results (Mean Data)

					•	•				
IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
	Ni -1	60	190.7	8.8	-0.0338	0.003	9.7	ug/L	162	Standard
i	As	75	11101.6	2.1	0.1577	0.020	12.5	ug/L	13407	Standard
i	As-1	75	-39.4	117.7	0.0262	0.014	53.8	ug/L	-163	Standard
i	Se	77	85.3	7.4	-0.0697	0.028	39.7	ug/L	118	Standard
i	Se -1	78	11206.7	2.2	0.4678	0.133	28.5	ug/L	13606	Standard
ĺ	Br .	79	330.7	5.6				ug/L	470	Standard
i	Se -2	82	42.3	21.4	-0.0195	0.036	185.4	ug/L	34	Standard
'	Kr	83	29.3	12.0				ug/L	34	Standard
1	Но	165	557111,2	2.5				ug/L.	745954	Standard
i	Pb	208	960.0	5.5	0.0246	0.001	5.4	ug/L	990	Standard
i	Bì	209	327282.6	1.7				ug/L	414898	Standard
i	Th	232	388267.0	2.1				ug/L	510163	Standard
i	Ni -3	58	286.3	3.2	-0.0314	0.001	2.9	ug/L	242	KED
i	Ni -4	60	118.0	3.4	-0.0235	0.001	4.7	ug/L	100	KED
i	Ni -5	62	21.7	27.8	-0.0098	0.010	105.2	ug/L	19	KED
i	As-2	75	14.3	21.3	0.0057	0.005	90.2	ug/L	3	KED
,	Y-1	89	89388.5	1.0				ug/L	98389	KED
	Rh-1	103	101699.0	0.4				ug/L	118370	KED
>	Ge	72	582853.6	2.3				ug/L	720115	Standard
>	Tb	159	654605.6	1.6				ug/L	850893	Standard
>	Ge-1	72	91391.4	0.4				ug/L	99799	KED
1	W W 1									

Internal Standard Symbol	Analyte Ni -1 As As-1 Se Se -1 Br Se -2 Kr Ho Pb Bi Th Ni -3 Ni -4 Ni -5 As-2 Y-1	60 75 75 77 78 79 82 83 165 208 209 232 58 60 62 75	QC Std % Recovery	Int Std % Recovery
	Y-1	89 403		
1	Rh-1	103		80.939
>	Ge	72		
>	Tb	159		76.932
>	Ge-1	72		91.576

Sample ID: 08-131-03 2X

Sample Date/Time: Tuesday, August 19, 2025 09:48:39 Report Date/Time: Tuesday, August 19, 2025 09:50:28

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-131-03 2X.041

Results (Mean Data)

Ni -1 60 2769.9 2.3	10	A l	N 4000	Intonnity	Den	Conc.	SD	RSD	Units	Blank Intens.	Mode
As	IS	-		Intensity	RSD						
As-1		Ni -1	60	2769.9	2.3				-		
Se		As	75	11943.1	0.9	0.5150	0.028	5.4	ug/L		
Se -1		As-1	75	808.9	4.2	0.2903	0.010	3.4	-		
Br		Se	77	114.7	5.0	0.0836	0.026	31.1	ug/L		Standard
Se -2 82 52.7 24.5 0.0231 0.048 208.0 ug/L 34 Standard Ug/L 34 Standard Ug/L 34 Standard Ug/L 34 Standard Ug/L 34 Standard Ug/L 34 Standard Ug/L 34 Standard Ug/L 34 Standard Ug/L 34 Standard Ug/L 35 Standard Ug/L 36 Standard Ug/L Standard Ug/L Standard Ug/L Standard Ug/L Standard Ug/L Standard Ug/L Standard Ug/L Standard Ug/L Standard Ug/L Standard Ug/L Standard Ug/L Standard Ug/L Standard Ug/L Ug/L Ug/L Ug/L Standard Ug/L	Ĺ	Se -1	78	11226.1	1.1	0.9555	0.165	17.3	ug/L	13606	Standard
Kr 83 31.3 4.9 ug/L 34 Standard I Ho 165 562269.6 3.6 ug/L 745954 Standard I Pb 208 1964.1 2.1 0.0498 0.002 3.4 ug/L 990 Standard I Bi 209 321014.5 1.8 ug/L 414898 Standard I Th 232 376318.8 1.4 ug/L 510163 Standard I Ni -3 58 4197.6 1.4 0.3923 0.006 1.5 ug/L 242 KED I Ni -4 60 1770.8 2.0 0.3880 0.009 2.3 ug/L 100 KED I Ni -5 62 267.7 5.4 0.4065 0.025 6.2 ug/L 19 KED Y-1 89 89760.1 0.3 ug/L 18370 KED Rh-1 103 99545.6 1.1 ug/L 18370 KED <td< th=""><th></th><th>Br</th><th>79</th><th>2863.3</th><th>2.4</th><th></th><th></th><th></th><th>ug/L</th><th></th><th></th></td<>		Br	79	2863.3	2.4				ug/L		
Ho	ĺ	Se -2	82	52.7	24.5	0.0231	0.048	208.0	ug/L	34	
Pb 208 1964.1 2.1 0.0498 0.002 3.4 ug/L 990 Standard Bi 209 321014.5 1.8 ug/L 414898 Standard Th 232 376318.8 1.4 ug/L 510163 Standard Ni -3 58 4197.6 1.4 0.3923 0.006 1.5 ug/L 242 KED Ni -4 60 1770.8 2.0 0.3880 0.009 2.3 ug/L 100 KED Ni -5 62 267.7 5.4 0.4065 0.025 6.2 ug/L 19 KED Ni -5 62 267.7 5.4 0.4065 0.025 6.2 ug/L 19 KED As-2 75 178.3 8.4 0.2793 0.025 9.1 ug/L 3 KED Y-1 89 89760.1 0.3 ug/L 98389 KED Rh-1 103 99545.6 1.1 ug/L 118370 KED Se 72 567429.8 0.3 ug/L 720115 Standard > Tb 159 652183.0 1.7 ug/L 850893 Standard		Kr	83	31.3	4.9				ug/L	34	Standard
Bi 209 321014.5 1.8 ug/L 414898 Standard Ug/L 510163 Standard Ug/L 510163 Standard Ug/L 510163 Standard Ug/L 510163 Standard Ug/L 242 KED Ni -4 60 1770.8 2.0 0.3880 0.009 2.3 Ug/L 100 KED Ni -5 62 267.7 5.4 0.4065 0.025 6.2 Ug/L 19 KED Ni -5 62 267.7 5.4 0.4065 0.025 6.2 Ug/L 19 KED Ni -5 48-2 75 178.3 8.4 0.2793 0.025 9.1 Ug/L 3 KED V-1 89 89760.1 0.3 Ug/L 98389 KED Rh-1 103 99545.6 1.1 Ug/L 118370 KED Standard Standard Ni -5 Ug/L 159 Standard	1	Но	165	562269.6	3.6				ug/L	745954	Standard
Bi 209 321014.5 1.8 ug/L 414898 Standard Th 232 376318.8 1.4 ug/L 510163 Standard Ni -3 58 4197.6 1.4 0.3923 0.006 1.5 ug/L 242 KED Ni -4 60 1770.8 2.0 0.3880 0.009 2.3 ug/L 100 KED Ni -5 62 267.7 5.4 0.4065 0.025 6.2 ug/L 19 KED KED As-2 75 178.3 8.4 0.2793 0.025 9.1 ug/L 3 KED Y-1 89 89760.1 0.3 ug/L 98389 KED KED Rh-1 103 99545.6 1.1 ug/L 118370 KED Standard > Tb 159 652183.0 1.7 ug/L 850893 Standard Stand	İ	Pb	208	1964.1	2.1	0.0498	0,002	3.4	ug/L	990	Standard
Ni -3	i		209	321014.5	1.8				ug/L	414898	Standard
Ni -4	i	Th	232	376318.8	1.4				ug/L	510163	Standard
Ni -5	j	Ni -3	58	4197.6	1.4	0.3923	0.006	1.5	ug/L	242	KED
As-2 75 178.3 8.4 0.2793 0.025 9.1 ug/L 3 KED Y-1 89 89760.1 0.3 ug/L 98389 KED Rh-1 103 99545.6 1.1 ug/L 118370 KED Se 72 567429.8 0.3 ug/L 720115 Standard Tb 159 652183.0 1.7 ug/L 850893 Standard	İ	Ni -4	60	1770.8	2.0	0.3880	0.009	2.3	ug/L	100	KED
Y-1 89 89760.1 0.3 ug/L 98389 KED Rh-1 103 99545.6 1.1 ug/L 118370 KED > Ge 72 567429.8 0.3 ug/L 720115 Standard > Tb 159 652183.0 1.7 ug/L 850893 Standard	j	Ni -5	62	267.7	5.4	0.4065	0.025	6.2	ug/L	19	KED
Rh-1 103 99545.6 1.1 ug/L 118370 KED Standard Standard Standard Standard Standard Standard Standard Standard	İ	As-2	75	178.3	8.4	0.2793	0.025	9.1	ug/L	3	KED
> Ge		Y-1	89	89760.1	0.3				ug/L	98389	KED
> Tb		Rh-1	103	99545.6	1.1				ug/L	118370	KED
100 00210010 117	>	Ge	72	567429.8	0.3				ug/L	720115	Standard
> Ge-1 72 90936.5 0.1 ug/L 99799 KED	>	Tb	159	652183.0	1.7				ug/L	850893	Standard
	>	Ge-1	72	90936,5	0.1				ug/L	99799	KED

QC Calculated Values

Internal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
	As	75		
	As-1	75		
	Se	77		
	Se -1	78		
	Br	79		
	Se -2	82		
•	Kr	83		
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Ni -3	58		
	Ni -4	60		
	Ni -5	62		
	As-2	75		
	Y-1	89		
	Rh-1	103		
>	Ge	72		78.797
>	Tb	159		76.647
>	Ge-1	72		91.120

Sample ID: 08-131-032X

Report Date/Time: Tuesday, August 19, 2025 09:50:28

Page 1

Sample ID: 08-136-01c 2X

Sample Date/Time: Tuesday, August 19, 2025 09:52:49 Report Date/Time: Tuesday, August 19, 2025 09:54:38

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-136-01c 2X.042

Results (Mean Data)

					•	•				
IS	Analyte	• Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
1	Ni -1	60	6342.4	2.3	1.0342	0.017	1.7	ug/L	162	Standard
i	As	75	13837.9	0.5	1.0391	0.038	3.6	ug/L	13407	Standard
i	As-1	75	3115.3	2.8	0.9933	0.025	2.6	ug/L	-163	Standard
i	Se	77	221.7	5.7	0.5848	0.055	9.4	ug/L.	118	Standard
i	Se -1	78	10877.8	0.4	0.1370	0.183	133.6	ug/L	13606	Standard
i	Br	79	10959.5	2.3				ug/L	470	Standard
i	Se -2	82	77.0	3.9	0.1101	0.013	11.6	ug/L	34	Standard
'	Kr	83	32,0	14.3				ug/L	34	Standard
ŀ	Ho	165	584195.1	3.1				ug/L	745954	Standard
i	Pb	208	902.3	4.8	0.0226	0.001	4.8	ug/L	990	Standard
i	Bi	209	323027.2	1.5				ug/L	414898	Standard
i	Th	232	396692.7	1.0				ug/L	510163	Standard
i	Ni -3	58	6237.1	1,8	0.6221	0.015	2.5	ug/L	242	KED
i	Ni -4	60	2774.9	2.8	0.6471	0.017	2.6	ug/L	100	KED
i	Ni -5	62	394.7	5.2	0.6302	0.038	6.0	ug/L	19	KED
i	As-2	75	562.0	2.8	0.9315	0.025	2.7	ug/L	3	KED
•	Y-1	89	90467.9	1.1				ug/L	98389	KED
	Rh-1	103	97604.6	0.4				ug/L	118370	KED
>	Ge	72	577073.4	0.7				ug/L	720115	Standard
>	Tb	159	670399.5	1.1				ug/L	850893	Standard
>	Ge-1	72	89752.7	0.5				ug/L	99799	KED

SO Calculated (aluga			
Internal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
	As	75		
	As-1	75		
	Se	77		
	Se -1	78		
	Br	79		
	Se -2	82		
	Kr	83		
	Но	165		
	Pb	208		
	Bi	209		
Ì	Th	232		
Ì	Ni -3	58		
Ì	Ni -4	60		
	Ni -5	62		
İ	As-2	75		
	Y-1	89		
	Rh-1	103		
>	Ge	72		80.136
>	Tb	159		78.788
>	Ge-1	72		89,934

Sample ID: 08-136-02c 2X

Sample Date/Time: Tuesday, August 19, 2025 09:56:58 Report Date/Time: Tuesday, August 19, 2025 09:58:48

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-136-02c 2X.043

Results (Mean Data)

IS	Analyte	Mage	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
ı	Ni -1	60	5468.0	2.1	0.9231	0.025	2.7	ug/L	162	Standard
	As	75	17092,9	1.1	2.2726	0.017	0.7	ug/L	13407	Standard
1		75 75	6185.5	1.2	2.0158	0.025	1.2	ug/L	-163	Standard
1	As-1	73 77	186.7	3.3	0.4562	0.039	8.5	ug/L	118	Standard
-	Se			1.5	1.0555	0.147	14.0	ug/L	13606	Standard
ļ	Se -1	78 70	11012.9		1.0000	0.147	1-4.0	ug/L	470	Standard
	Br	79	8907.4	1.3	0.0470	0.015	31.9	ug/L	34	Standard
ı	Se -2	82	57.7	5.6	0.0476	0.015	31.8		34	Standard
	Kr	83	35.3	7.1				ug/L		
1	Ho	165	564554.9	1.0				ug/L	745954	Standard
	Pb	208	1216.4	5.6	0.0311	0.001	4.3	ug/L	990	Standard
1	Bi	209	314491.8	0.8				ug/L	414898	Standard
i	Th	232	383901.0	1.5				ug/L	510163	Standard
i	Ni -3	58	7059.9	0.3	0.7294	0.002	0.3	ug/L	242	KED
i	Ni -4	60	2745.9	1.0	0.6551	0.006	1.0	ug/L	100	KED
i	Ni -5	62	404.0	6.9	0.6614	0.050	7.5	ug/L	19	KED
i	As-2	75	1137.7	2.0	1.9467	0.043	2.2	ug/L	3	KED
	Y-1	89	87140.0	0.8				ug/L	98389	KED
	Rh-1	103	95546.2	1.2				ug/L	118370	KED
>	Ge	72	553473.9	1.4				ug/L	720115	Standard
>	Tb	159	652186.6	1.3				ug/L	850893	Standard
>	Ge-1	72	87813.7	0.2				ug/L	99799	KED
1		, ,,,,,,						-		

Internal Standard Symbol	Analyte Ni -1 As As-1 Se Se -1 Br Se -2 Kr Ho Pb Bi Th Ni -3 Ni -4 Ni -5 As-2 Y-1 Rh-1 Ge	Mass 60 75 75 77 78 79 82 83 165 208 209 232 58 60 62 75 89 103 72	QC Std % Recovery	Int Std % Re	76.859
> > >					76.859 76.647 87.991

Sample ID: 08-136-03c 2X

Sample Date/Time: Tuesday, August 19, 2025 10:01:08 Report Date/Time: Tuesday, August 19, 2025 10:02:57

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-136-03c 2X.044

Results (Mean Data)

IS	Analyte	Mace	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
10	-	60 fiviass	16063.0	2.4	2.7623	0.040	1.5	ug/L	162	Standard
1	Ni -1				4.9532	0.087	1.8	ug/L	13407	Standard
!	As	75	26093.6	1.4		0.042	0.9	ug/L	-163	Standard
	As-1	75	15270.8	1.5	4.7899			-	118	Standard
	Se	77	193.0	11.2	0.4609	0.093	20.1	ug/L		
	Se -1	78	11093.6	1.3	0.7137	0.166	23.2	ug/L	13606	Standard
-	Br	79	44243.1	0.9				ug/L	470	Standard
1	Se -2	82	122.7	18.0	0.2855	0.078	27.1	ug/L	34	
•	Kr	83	28.3	16.3				ug/L	34	Standard
1	Но	165	577541.8	2.2				ug/L	745954	Standard
i	Pb	208	2208.1	1.0	0.0545	0.001	2.2	ug/L	990	Standard
i	Bi	209	322938.0	2.1				ug/L	414898	Standard
i	Th	232	397533.7	2.2				ug/L	510163	Standard
i	Ni -3	58	31298.8	3.0	3.3745	0.073	2.2	ug/L	242	KED
i	Ni -4	60	9685.6	1.1	2.3925	0.008	0.3	ug/L	100	KED
i	Ni -5	62	1430.1	2.2	2.4076	0.079	3.3	ug/L	19	KED
i	As-2	75	2813.9	3.0	4.7413	0.148	3.1	ug/L	3	KED
•	Y-1	89	90407.8	0.3				ug/L	98389	KED
	Rh-1	103	96988.5	8.0				ug/L	118370	KED
>	Ge	72	568746.3	2.3				ug/L	720115	Standard
>	Tb	159	668827.7	2.2				ug/L	850893	Standard
>	Ge-1	72	89665.5	1.1				ug/L	99799	KED
1 1										

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
Internal Standard Symbol	Ni -1	60	QO Old 70 NOOOVOIY	mit old 70 Hood vory
	As	75		
	As-1	75		
	Se	77		
	Se -1	78		
	Br	79		
İ	Se -2	82		
·	Kr	83		
	Ho	165		
	Pb	208		
	Bi	209		
İ	Th	232		
	Ni -3	58		
	Ni -4	60		
	Ni -5	62		
	As-2	75		
·	Y-1	89		
	Rh-1	103		
>	Ge	72		78.980
>	Tb	159		78.603
>	Ge-1	72		89.846

Sample ID: 08-136-04c 2X

Sample Date/Time: Tuesday, August 19, 2025 10:05:17 Report Date/Time: Tuesday, August 19, 2025 10:07:06

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-136-04c 2X.045

Results (Mean Data)

						,				
IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
1	Ni -1	60	3731.5	2.2	0.6159	0.016	2.6	ug/L	162	Standard
i	As	75	11855.0	1.4	0.6220	0.018	3.0	ug/L	13407	Standard
i	As-1	75	1085.4	3.4	0.3887	0.009	2.2	ug/L	-163	Standard
i	Se	77	210.3	7.9	0.5851	0.089	15.3	ug/L	118	Standard
-	Se -1	78	10928.8	1.4	1.1057	0.101	9.1	ug/L	13606	Standard
	Br	79	20252.3	1.1				ug/L	470	Standard
İ	Se -2	82	78.7	15.7	0,1316	0.045	34.4	ug/L	34	Standard
1	Kr Kr	83	27.3	7.6				ug/L	34	Standard
1	Но	165	549399.2	0.8				ug/L	745954	Standard
-	Pb	208	1323.0	1.5	0.0343	0.001	2.8	ug/L	990	Standard
	Bi	209	311681.4	1.2				ug/L	414898	Standard
-	Th	232	377780.7	1.2				ug/L	510163	Standard
	Ni -3	58	2556.2	2.2	0.2318	0.004	1.6	ug/L	242	KED
-	Ni -4	60	1116.4	2.5	0.2425	0.007	3.1	ug/L	100	KED
ì	Ni -5	62	171.7	7.9	0.2622	0.024	9.0	ug/L	19	KED
i	As-2	75	188.3	1.3	0.3156	0.006	2.0	ug/L	3	KED
1	Y-1	89	85328.4	0.2				ug/L	98389	KED
	Rh-1	103	92917.5	0.2				ug/L	118370	KED
>	Ge	72	547661.0	1.1				ug/L	720115	Standard
>	Tb	159	641530.3	1.3				ug/L	850893	Standard
>	Ge-1	72	85597.7	1.0				ug/L	99799	KED
1/	~~ 1	,	5500111	,				-		

QC Calculated Values

Internal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
[[As	75		
!				
	As-1	75		
	Se	77		
	Se -1	78		
	Br	79		
	Se -2	82		
	Kr	83		
	Но	165		
	Pb	208		
	Bi	209		
	Th	232		
	Ni -3	58		
	Ni -4	60		
	Ni -5	62		
	As-2	75		
	Y-1	89		
	Rh-1	103		
>	Ge	72		76.052
>	Tb	159		75.395
>	Ge-1	72		85.770

Sample ID: 08-136-04c 2X

Report Date/Time: Tuesday, August 19, 2025 10:07:06

Page 1

Sample ID: 08-136-05c 2X

Sample Date/Time: Tuesday, August 19, 2025 10:09:26 Report Date/Time: Tuesday, August 19, 2025 10:11:14

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-136-05c 2X.046

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
i	Ni -1	60	8083.3	0.4	1.4038	0.023	1.7	ug/L	162	Standard
İ	As	75	11784.2	1.9	0.5781	0.085	14.6	ug/L	13407	Standard
Ì	As-1	75	1049.1	3.0	0.3752	0.011	3.0	ug/L	-163	Standard
	Se	77	174.0	9.5	0,3967	0.073	18.4	ug/L	118	Standard
ļ	Se -1	78	10938.5	1.7	1.0265	0.366	35.7	ug/L	13606	Standard
 	Br	79	28974.7	2.0				ug/L	470	Standard
	Se -2	82	96.0	11.7	0.1979	0.048	24.1	ug/L	34	Standard
J	Kr	83	29.7	24.4				ug/L	34	Standard
ı	Но	165	575482.4	2.1				ug/L	745954	Standard
	Pb	208	1075.7	6.8	0.0268	0.001	4.8	ug/L	990	Standard
1	Bi	209	313231.0	1.6				ug/L	414898	Standard
1	Th	232	380676.0	1.5				ug/L	510163	Standard
i	Ni -3	58	9243.2	2.1	1,0098	0.014	1.4	ug/L	242	KED
i	Ni -4	60	4098.3	0.2	1.0402	0.010	1.0	ug/L	100	KED
i	Ni -5	62	620,0	7.2	1.0770	0.076	7.1	ug/L	19	KED
i	As-2	75	194.7	8.7	0.3298	0.032	9.8	ug/L	3	KED
1	Y-1	89	85658.1	0.9				ug/L	98389	KED
	Rh-1	103	92450.2	0.5				ug/L	118370	KED
>	Ge	72	550705.7	1.2				ug/L	720115	Standard
>	Tb	159	671873.7	1.8				ug/L	850893	Standard
>	Ge-1	72	84889.1	0.9				ug/L	99799	KED
1										

Internal Standard Symbol	Ni -1 As As-1 Se Se -1 Br Se -2 Kr Ho Pb Bi Th Ni -3 Ni -4 Ni -5 As-2 Y-1 Rh-1	60 75 75 77 78 79 82 83 165 208 209 232 58 60 62 75 89 103	QC Std % Recovery	Int Std % Red	
> >	Ge Tb	72 159			76.475 78.961
>	Ge-1	72			85.060

Sample ID: 08-136-06c 2X

Sample Date/Time: Tuesday, August 19, 2025 10:13:34 Report Date/Time: Tuesday, August 19, 2025 10:15:22

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-136-06c 2X.047

Results (Mean Data)

						, ,				
IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
1	Ni -1	60	3437.4	2.1	0.5820	0.004	0.7	ug/L	162	Standard
i	As	75	11748.0	0.5	0.7097	0.088	12.4	ug/L	13407	Standard
1	As-1	75	1045.2	5,2	0.3866	0.021	5.4	ug/L₋	-163	Standard
1	Se	77	229.0	4.3	0.7163	0.080	11.2	ug/L	118	Standard
1	Se -1	78	10843.8	1.0	1.5250	0.410	26.9	ug/L	13606	Standard
1	Br	79	19707.6	1,5				ug/L	470	Standard
İ	Se -2	82	71.3	1.6	0.1122	0.011	9.8	ug/L	34	Standard
ı	Kr	83	30.0	20.3				ug/L	34	Standard
ı	Ho	165	554612.6	1.3				ug/L	745954	Standard
	Pb	208	1241.0	4.7	0.0319	0.002	5.1	ug/L	990	Standard
i	Bi	209	308588.1	0.8				ug/L	414898	Standard
i	Th	232	371163.4	1.7				ug/L	510163	Standard
ì	Ni -3	58	2322.7	1.3	0.2114	0.005	2.2	ug/L	242	KED
ì	Ni -4	60	1045.0	2.5	0.2303	0.007	3.2	ug/L	100	KED
i	Ni -5	62	150.7	7.9	0.2311	0.023	10.2	ug/L	19	KED
i	As-2	75	183.0	7.4	0.3139	0.023	7.3	ug/L	3	KED
'	Y-1	89	83679.4	0.9				ug/L	98389	KED
	Rh-1	103	91373.6	1.1				ug/L	118370	KED
>	Ge	72	530877.5	2.4				ug/L	720115	Standard
>	Tb	159	648600.3	0.6				ug/L	850893	Standard
>	Ge-1	72	83567.4	0.5				ug/L	99799	KED
1 -	~ .									

Internal Standard Symbol	Analyte		QC Std % Recovery	Int Std % Recovery
	Ni -1	60		
	As	75		
	As-1	75		
	Se	77		
İ	Se -1	78		
İ	Br	79		
	Se -2	82		
'	Kr	83		
	Но	165		
	Pb	208		
	Bi	209		
	Th	232		
	Ni -3	58		
	Ni -4	60		
	Ni -5	62		
	As-2	75		
I	Y-1	89		
	Rh-1	103		
>	Ge	72		73.721
>	Tb	159		76.226
1	Ge-1	72		83.736
>	00-1	1 4		

Sample ID: MB0819D1 2X

Sample Date/Time: Tuesday, August 19, 2025 10:17:43 Report Date/Time: Tuesday, August 19, 2025 10:19:32

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\MB0819D1 2X.048

Results (Mean Data)

IS	Analyte Mass		Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
10	Ni -1	60	164.0	6.3	-0.0366	0.002	5,6	ug/L	162	Standard
1	As	75	10721.0	1.7	0.2423	0.061	25.2	ug/L	13407	Standard
-	As-1	75 75	-92.1	64.4	0.0082	0.020	239.4	ug/L	-163	Standard
-		73 77	87.7	2.4	-0.0333	0.007	20.5	ug/L	118	Standard
ļ	Se C- 4	77 78	10853.8	1.5	0.9377	0.317	33.8	ug/L	13606	Standard
	Se -1	76 79	718.4	6.1	0,0011	0.011		ug/L	470	Standard
l l	Br		32.0	19.5	-0.0509	0.023	45.4	ug/L	34	Standard
ı	Se -2	82 83	35.7	18.7	~0.0000	0,020	,	ug/L	34	Standard
1	Kr		579 8 44.3	0.7				ug/L	745954	Standard
ļ	Ho	165	861,0	4.1	0.0214	0.001	2.8	ug/L	990	Standard
- [Pb	208	336638.9	1.2	0.02.1-4	0.001		ug/L	414898	Standard
1	Bi	209	387875.0	0.8				ug/L	510163	Standard
	Th	232 58	254.3	5.3	-0.0338	0.002	4.8	ug/L	242	KED
	Ni -3		117.3	15,1	-0.0226	0.004	19.7	ug/L	100	KED
	Ni -4	60	18.7	11.2	-0.0137	0.004	27.1	ug/L	19	KED
	Ni -5	62 75	4,3	58.1	-0.0106	0.004	41.0	ug/L	3	KED
l	As-2	75	8 85 92.5	0.8	-0,0100	0,00-1	11.0	ug/L	98389	KED
	Y-1	89		1.2				ug/L	118370	KED
	Rh-1	103	98947.5					ug/L	720115	Standard
>	Ge	72	549229.4	1.2				ug/L	850893	Standard
>	Tb	159	678481.6	1.3					99799	KED
>	Ge-1	72	88002.2	0.6				ug/L	99199	1/141/2

Internal Standard Symbol	Analyte		QC Std % Recovery	Int Std % Recovery
	Ni -1	60		
	As	75		
	As-1	75		
	Se	77		
	Se -1	78		
	Br	79		
	Se -2	82		
	Kr	83		
	Но	· 165		
	Pb	208		
	Bi	209		
	Th	232		
	Ni -3	58		
	Ni -4	60		
	Ni -5	62		
	As-2	75		
	Y-1	89		
	Rh-1	103		
>	Ge	72		76.270
>	Tb	159		79,738
>	Ge-1	72		88.180
•				

Sample ID: SB0819D1 2X

Sample Date/Time: Tuesday, August 19, 2025 10:21:52 Report Date/Time: Tuesday, August 19, 2025 10:23:41

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\SB0819D1 2X.049

Results (Mean Data	Resu	ılts	(Mean	Data
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	11000100 (11100111 111011)										
IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode	
10	-	60	216644.8	1.0	39.4102	0.616	1.6	ug/L	162	Standard	
-	Ni -1		135374.2	0.6	40.7591	0.307	0.8	ug/L.	13407	Standard	
!	As	75 75		0.8	40,4746	0.099	0.2	ug/L	-163	Standard	
1	As-1	75	125612.9			0,622	1.5	ug/L	118	Standard	
	Se	77	8379.1	1.7	41.5029			ug/L	13606	Standard	
	Se -1	78	36933.7	0.7	42.5450	0.381	0.9		470	Standard	
	Br	79	503.3	4.8				ug/L			
i	Se -2	82	10716.7	2.3	41.5173	0.632	1.5	ug/L	34	Standard	
1	Kr	83	28.7	23.2				ug/L	34	Standard	
1	Но	165	578701.3	1.6				ug/L	745954	Standard	
		208	1626670.7	0.7	39.4439	0.268	0.7	ug/L	990	Standard	
!	Pb		331992.6	0.9				ug/L	414898	Standard	
1	Bi	209		1.3				ug/L	510163	Standard	
ļ	Th	232	388735.6		37.9099	0.401	1.1	ug/L	242	KED	
	Ni -3	58	337475.9	0.4		0.305	0.8	ug/L	100	KED	
	Ni -4	60	146049.1	0.4	37.7257			_	19	KED	
	Ni -5	62	21511.9	1.1	37.7644	0.437	1.2	ug/L	3	KED	
	As-2	75	23139.7	1.6	40.0797	0.735	1.8	ug/L	-		
•	Y-1	89	87708.4	0.8				ug/L	98389	KED	
	Rh-1	103	99206.3	0.7				ug/L	118370	KED	
1.	Ge	72	549704.2	1.0				ug/L	720115	Standard	
>		159	671935.3	1.3				ug/L	850893	Standard	
>	Tb		87516.6	0.7				ug/L	99799	KED	
>	Ge-1	72	6/5/0.0	0.7				J			

			OO Otd 0/ Bassyony	Int Std % Recovery
Internal Standard Symbol	Analyte		QC Std % Recovery	III Sta 70 Mecovery
	Ni -1	60		
	As	75		
	As-1	75		
	Se	77		
İ	Se -1	78		
į	Br	79		
i	Se -2	82		
	Kr	83		
	Но	165		
	Pb	208		
İ	Ві	209		
	Th	232		
	Ni -3	58		
İ	Ni -4	60		
İ	Ni -5	62		
i	As-2	75		
'	Y-1	89		
	Rh-1	103		
>	Ge	72		76.336
>	Tb	159		78.968
>	Ge-1	72		87.693
1.*				

Sample ID: 08-136-01d 2X

Sample Date/Time: Tuesday, August 19, 2025 10:27:43 Report Date/Time: Tuesday, August 19, 2025 10:29:33

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-136-01d 2X.050

Results (Mean Data)

				1.00	Julium (1					
IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
10	Ni -1	60	6963.7	2.3	1.2449	0.029	2.3	ug/L	162	Standard
l I		75	14161.0	0.8	1,5120	0.037	2.5	ug/L	13407	Standard
1	As	75 75	3578.7	1.7	1,2288	0.019	1.6	ug/L	-163	Standard
ļ	As-1		211.3	7.8	0,6214	0.085	13.6	ug/L	118	Standard
!	Se	77			1.3644	0.184	13.5	ug/L	13606	Standard
	Se -1	78	10769.4	1.0	1.3044	0.104	10.0	ug/L	470	Standard
	Br	79	12378.0	2.5	0.4020	0.031	16.7	ug/L	34	Standard
	Se -2	82	89.3	8.5	0.1839	0,031	10.7	ug/L	34	Standard
	Kr	83	30.3	11.6				_	745954	Standard
	Но	165	532134.6	1.4		0.004	0.5	ug/L	990	Standard
	Pb	208	566.3	5.5	0.0155	0.001	6.5	ug/L		Standard
ĺ	Bi	209	296523.4	1.1				ug/L	414898	
İ	Th	232	358134.7	0.6				ug/L	510163	Standard
i	Ni -3	58	6775.8	1.4	0.7650	0.012	1.6	ug/L	242	KED
i	Ni -4	60	2957.6	0.4	0.7774	0,003	0.4	ug/L	100	KED
i	Ni -5	62	450.7	7.8	0.8132	0.067	8.3	ug/L	19	KED
	As-2	75	624.7	6.8	1.1564	0.080	6.9	ug/L	3	KED
1	Y-1	89	79572.0	1.1				ug/L	98389	KED
	Rh-1	103	86466.2	1.2				ug/L	118370	KED
1		72	531822.3	0.1				ug/L	720115	Standard
>	Ge		624426.1	1.9				ug/L	850893	Standard
>	Tb	159		0.1				ug/L	99799	KED
>	Ge-1	72	80652.0	U, I				~ g, L	*	

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
	Ni -1	60		
	As	75		
	As-1	75		
	Se	77		
	Se -1	78		
	Br	79		
	Se -2	82		
•	Kr	83		
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Ni -3	58		
	Ni -4	60		
	Ni -5	62		
	As-2	75		
	Y-1	89		
	Rh-1	103		70.050
>	Ge	72		73.852
>	Tb	159		73.385
>	Ge-1	72		80.815

Sample ID: QC Std 6

Sample Date/Time: Tuesday, August 19, 2025 10:31:54 Report Date/Time: Tuesday, August 19, 2025 10:33:43

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\QC Std 6.051

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
ı	Ni -1	60	212535.1	2.0	37.2630	1.542	4.1	ug/L	162	Standard
1	As	75	140792.3	1.3	40.8490	0.388	1.0	ug/L	13407	Standard
1	As-1	75	131258.4	1.5	40.7484	0.270	0.7	ug/L	-163	Standard
-	Se	77	8869.8	0.9	42.3417	0.538	1.3	ug/L	118	Standard
i	Se -1	78	38249.5	1.6	42.4177	0.929	2.2	ug/L	13606	Standard
l I	Br	79	559.3	3.2	••••			ug/L	470	Standard
1	Se -2	82	11324.2	2.2	42.2712	0.309	0.7	ug/L	34	Standard
,	Kr	83	29.7	10.8				ug/L	34	Standard
1	Но	165	574178.9	0.7				ug/L	745954	Standard
	Pb	208	1595760.7	1.2	38.9594	0.547	1.4	ug/L	990	Standard
ŀ	Bi	209	331146.9	1.4	• • • • • • • • • • • • • • • • • • • •			ug/L	414898	Standard
1	Th	232	380966.3	0,6				ug/L	510163	Standard
1	Ni -3	58	325725.1	0.2	37.6606	0.122	0.3	ug/L	242	KED
i i	Ni -4	60	141885.8	0.6	37.7234	0.168	0.4	ug/L	100	KED
i	Ni -5	62	20705.3	0,4	37,4129	0.103	0.3	ug/L	19	KED
	As-2	75	22521.7	1.3	40,1524	0.626	1.6	ug/L	3	KED
ı	Y-1	89	85902.2	1.4				ug/L	98389	KED
	Rh-1	103	96223.7	1.3				ug/L	118370	KED
>	Ge	72	570592.5	2.2				ug/L	720115	Standard
	Tb	159	667377.6	1.3				ug/L	850893	Standard
> -	Ge-1	72	85024.3	0.4				ug/L	99799	KED
>	Q6-1	1 4	00024.0	V (*)				_		

QC Calculated Values

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
	Ni -1	60	93.158	
i	As	75	102.122	
	As-1	75	101.871	
İ	Se	77	105.854	
i	Se -1	78	106.044	
İ	Br	79		
İ	Se -2	82	105.678	
·	Kr	83		
	Но	165		
	Pb	208	97.399	
İ	Bi	209		
	Th	232		
	Ni -3	58	94.151	
	Ni -4	60	94.309	
	Ni -5	62	93.532	
	As-2	75	100.381	
	Y-1	89		
	Rh-1	103		
>	Ge	72		79.236
>	Tb	159		78,433
>	Ge-1	72		85.196

Sample ID: QC Std 6

Report Date/Time: Tuesday, August 19, 2025 10:33:43

Page 1

Sample ID: QC Std 7

Sample Date/Time: Tuesday, August 19, 2025 10:36:04 Report Date/Time: Tuesday, August 19, 2025 10:37:53

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\QC Std 7.052

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
1	Ni -1	60	104912.2	0.5	19.1560	0.213	1.1	ug/L	162	Standard
i	As	75	73774.5	1.7	20,8673	0.306	1.5	ug/L	13407	Standard
i	As-1	75	63213.8	1.7	20.4995	0.225	1.1	ug/L	-163	Standard
l I	Se	77	4262.6	2.4	20,9965	0.205	1.0	ug/L	118	Standard
1	Se -1	7 <i>7</i>	24050.2	2.0	22.1911	0.263	1.2	ug/L	13606	Standard
1		79	453.7	4.7				ug/L	470	Standard
1	Br	82	5328.7	3.3	20.6672	0.390	1.9	ug/L	34	Standard
I	Se -2	83	28.3	13.4	2,010012	-,		ug/L	34	Standard
ı	Kr	165	563150.6	2.5				ug/L	745954	Standard
1	Ho		781835.6	2.7	19.6628	0.295	1,5	ug/L	990	Standard
1	Pb	208 209	316575.4	3.7	10.0020	01200	****	ug/L	414898	Standard
	Bi		362316.7	1.8				ug/L	510163	Standard
i	Th	232 58	161084.1	1.6	18,8342	0.037	0.2	ug/L	242	KED
1	Ni -3	60	70394.4	1.4	18,9319	0.068	0.4	ug/L	100	KED
	Ni -4	62	10363.4	2.1	18.9446	0.205	1.1	ug/L	19	KED
l	Ni -5		11202.7	2.4	20,2195	0.174	0.9	ug/L	3	KED
ı	As-2	75	84441.9	1.6	A. O 1 A. 1 O O	• • • • • • • • • • • • • • • • • • • •		ug/L	98389	KED
	Y-1	89 403	93453.2	2.8				ug/L	118370	KED
1	Rh-1	103		1.5				ug/L	720115	Standard
>	Ge	72	546700.3					ug/L	850893	Standard
>	Tb	159	647769.3	1.4				ug/L	99799	KED
>	Ge-1	72	83939.9	1.6				ug/L	00100	,

QC Calculated Values

,	v Caraco			
Internal Standard Symbol	Analyte		QC Std % Recovery 95.780	Int Std % Recovery
	Ni -1	60		
1	As	75	104.336	
	As-1	75	102.497	
	Se	77	104.983	
	Se -1	78	110.955	
İ	Br	79		
i	Se -2	82	103.336	
	Kr	83		
	Но	165		
İ	Pb	208	98.314	
	Bi	209		
İ	Th	232		
İ	Ni -3	58	94.171	
	Ni -4	60	94.660	
i	Ni -5	62	94.723	
i	As-2	75	101.097	
•	Y-1	89		
	Rh-1	103		
>	Ge	72		75.918
>	Tb	159		76.128
>	Ge-1	72		84.109

Sample ID: QC Std 7

Report Date/Time: Tuesday, August 19, 2025 10:37:53

Page 1

Sample ID: QC Std 8

Sample Date/Time: Tuesday, August 19, 2025 10:40:15 Report Date/Time: Tuesday, August 19, 2025 10:42:04

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\QC Std 8.053

Results (Mean Data)

IS	Analyt	e Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
	Ni -1	60	157.7	7.8	-0.0390	0.003	6.6	ug/L	162	Standard
	As	75	10935.5	1.5	0.1629	0.031	18.8	ug/L	13407	Standard
-	As-1	75	-54.7	52,9	0.0210	0.009	43.5	ug/L	-163	Standard
	Se	77	96.0	13.6	-0.0123	0.054	441.5	ug/L	118	Standard
-	Se -1	78	11060.6	1.4	0.5266	0.151	28.7	ug/L	13606	Standard
	Br	79	376.0	4.0				ug/L	470	Standard
	Se -2	82	44.0	21.9	-0.0116	0.033	283.0	ug/L	34	Standard
	Kr	83	23.7	6.5				ug/L	34	Standard
	Но	165	588089.7	2.5				ug/L	745954	Standard
	Pb	208	983.0	2.7	0.0242	0.000	0.8	ug/L	990	Standard
1	Bi	209	334930.5	1.3				ug/L	414898	Standard
1	Th	232	381934.3	1.4				ug/L	510163	Standard
	Ni -3	58	238.4	2.1	-0.0353	0.001	1.8	ug/L	242	KED
	Ni -4	60	95.7	7.9	-0.0279	0.002	7.3	ug/L	100	KED
	Ni -5	62	18.0	20.0	-0.0145	0.006	44.0	ug/L	19	KED
1	As-2	75	10.0	20.0	-0.0007	0.003	476.9	ug/L	3	KED
	Y-1	89	88313.5	0.9				ug/L	98389	KED
	Rh-1	103	99097.2	1.4				ug/L	118370	KED
>	Ge	72	573272,2	1.8				ug/L	720115	Standard
>	Tb	159	681545.0	2.3				ug/L	850893	Standard
>	Ge-1	72	87127.6	0.6				ug/L	99799	KED

	eco outodiatou v	aiaco			
lr 	nternal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
		As	75		
		As-1	75		
		Se	77		
		Se -1	78		
		Br	79		
		Se -2	82		
		Kr	83		
		Но	165		
		Pb	208		
		Bi	209		
		Th	232		
		Ni -3	58		
		Ni -4	60		
		Ni -5	62		
		As-2	75		
		Y-1	89		
		Rh-1	103		
>	•	Ge	72		79.608
>	•	Tb	159		80,098
>		Ge-1	72		87.303

Sample ID: 08-136-01d D 2X

Sample Date/Time: Tuesday, August 19, 2025 10:45:15 Report Date/Time: Tuesday, August 19, 2025 10:47:05

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-136-01d D 2X.054

Results (Mean Data)

10	A 14 -	Moon	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
IS	Analyte	60 €8 ivias	6975.0	2.0	1.2921	0.054	4.2	ug/L	162	Standard
- }	Ni -1		14250.6	O.6	1.7046	0.082	4.8	ug/L	13407	Standard
	As	75		2.6	1.2904	0.042	3.3	ug/L	-163	Standard
1	As-1	75 77	3640.3		0.6860	0.068	9.9	ug/L	118	Standard
!	Se	77	216.7	7.9	2.0252	0.308	15.2	ug/L	13606	Standard
-	Se -1	78	10804.1	1.5	2.0202	0,500	10.2	ug/L	470	Standard
	Br	79	13186.8	3.2	0.0000	0.056	27.0	ug/L	34	Standard
	Se -2	82	92.0	16.0	0.2066	0.050	21.0	ug/L	34	Standard
	Kr	83	29.0	6.0					745954	Standard
	Но	165	516218.1	2.7		0.004	0.0	ug/L	990	Standard
	Pb	208	529.3	5.3	0.0152	0.001	3.8	ug/L	414898	Standard
	Bi	209	282001.2	2.4				ug/L		
1	Th	232	333229.5	O .9				ug/L	510163	Standard
ĺ	Ni -3	58	6982.4	O.6	0.8219	0.010	1.2	ug/L	242	KED
j	Ni -4	60	3043.7	3.6	0.8332	0,028	3.4	ug/L	100	KED
i	Ni -5	62	448.0	7 .6	0.8398	0.064	7.7	ug/L	19	KED
i	As-2	75	674.7	5 .6	1.2976	0.071	5.5	ug/L	3	KED
•	Y-1	89	76699,0	1.2				ug/L	98389	KED
	Rh-1	103	83018.2	0.6				ug/L	118370	KED
>	_	72	514482.8	2.0				ug/L	720115	Standard
>	mrt I	159	596047.8	2.1				ug/L	850893	Standard
i	~ 4	72	77761.4	O.5				ug/L	99799	KED
>	06"1		1119111							

	VII VI W W			
Internal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
		75		
	As			
	As-1	75		
	Se	77		
İ	Se -1	78		
	Br	79		
	Se -2	82		
	Kr	83		
1	Но	165		
	Pb	208		
	Bi	209		
	Th	232		
	Ni -3	58		
	Ni -4	60		
	Ni -5	62		
	As-2	75		
•	Y-1	89		
	Rh-1	103		
>	Ge	72		71.445
>	Tb	159		70.050
>	Ge-1	72		77.918
•				

Sample ID: 08-136-01d L 10X

Sample Date/Time: Tuesday, August 19, 2025 10:49:26 Report Date/Time: Tuesday, August 19, 2025 10:51:15

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-136-01d L 10X.055

Results (Mean Data)

						,				
IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
ĺ	Ni -1	60	1645.4	3.2	0.2383	0.012	5.2	ug/L	162	Standard
i	As	75	11129.5	0.6	0.4320	0.066	15.2	ug/L	13407	Standard
i	As-1	75	688.4	8.1	0.2634	0.020	7.7	ug/L	-163	Standard
i	Se	77	108.7	9.4	0.0803	0.048	60.0	ug/L.	118	Standard
Ì	Se -1	78	10527.2	0.1	0.6789	0.241	35.6	ug/L	13606	Standard
i	Br	79	2854.0	2.7				ug/L	470	Standard
i	Se -2	82	49.3	8.2	0.0198	0.016	81.1	ug/L	34	Standard
,	Kr	83	30.0	16.7				ug/L	34	Standard
1	Но	165	549183.7	1.2				ug/L	745954	Standard
i	Pb	208	711.0	2.3	0.0188	0.001	3.2	ug/L	990	Standard
ì	Bi	209	315638.3	1.8				ug/L	414898	Standard
i	Th	232	365016.6	0.5				ug/L	510163	Standard
Ì	Ni -3	58	1747.6	1.7	0.1469	0.003	1.9	ug/L	242	KED
ì	Ni -4	60	753.7	1.4	0.1546	0.002	1.6	ug/L	100	KED
ì	NI -5	62	113.3	11.0	0.1655	0,022	13.5	ug/L	19	KED
ì	As-2	75	163.3	6.6	0.2830	0.021	7.4	ug/L	3	KED
'	Y-1	89	82048.6	1.4				ug/L	98389	KED
	Rh-1	103	90142.2	1.5				ug/L	118370	KED
>	Ge	72	540795.1	1.3				ug/L	720115	Standard
>	Tb	159	641857.0	1.0				ug/L	850893	Standard
>	Ge-1	72	82265.5	0.5				ug/L	99799	KED
, ,										

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Internal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
 	As	75		
ļ T				
	As-1	75		
	Se	77		
	Se -1	78		
	Br	79		
	Se -2	82		
	Kr	83		
	Но	165		
	Pb	208		
	Bi	209		
	Th	232		
	Ni -3	58		
	Ni -4	60		
	Ni -5	62		
	As-2	75		
	Y-1	89		
	Rh-1	103		
>	Ge	72		75.098
>	Tb	159		75.433
>	Ge-1	72		82.431

Sample ID: 08-136-O1d MS 2X

Sample Date/Time: Tuesday, August 19, 2025 10:53:35 Report Date/Time: Tuesday, August 19, 2025 10:55:23

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-136-01d MS 2X.056

Results (Mean Data)

						,				
IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
1	Ni -1	60	192455.8	1.3	38.7768	0.754	1.9	ug/L	162	Standard
i	As	75	136448.2	1.2	45.8802	0.538	1.2	ug/L	13407	Standard
ł	As-1	75	127265.3	1.3	45,4155	0.613	1.3	ug/L	-163	Standard
ļ	Se	77	8583.6	1.2	47.1530	0.092	0.2	ug/L	118	Standard
1	Se -1	78	36914.0	1.0	48.8554	0.993	2.0	ug/L	13606	Standard
1	Br	79	11926.0	1.0				ug/L	470	Standard
i	Se -2	82	10935.9	2.3	46.9565	1.308	2.8	ug/L	34	Standard
I	Kr	83	34.3	17.8				ug/L	34	Standard
1	Но	165	509483.0	0.5				ug/L	745954	Standard
1	Pb	208	1 382615.5	0.6	38.4645	0.702	1.8	ug/L	990	Standard
	Bi	209	279732.2	1.3	•			ug/L	414898	Standard
	Th	232	338262.0	0.7				ug/L	510163	Standard
	Ni -3	58	285233.5	0.3	37.1278	0.277	0.7	ug/L	242	KED
1	Ni -4	60	124084.2	0.5	37.1406	0.158	0.4	ug/L	100	KED
]]	Ni -5	62	18315.4	0.8	37.2576	0,103	0.3	ug/L	19	KED
1	As-2	75	21903.4	1.1	43.9649	0,614	1.4	ug/L	3	KED
ı	Α5-2 Y-1	73 89	75167.6	1.3	1010010			ug/L	98389	KED
	Rh-1	103	81456.0	2.0				ug/L	118370	KED
I.	Ge	72	496302.4	1.0				ug/L	720115	Standard
>		159	585765.1	1.9				ug/L	850893	Standard
>	Tb			0.6				ug/L	99799	KED
>	Ge-1	72	75522.8	0.0				~ 9/ ~		

ato oaloulated at				
Internal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
	As	75		
	As-1	75		
	Se	77		
	Se -1	78		
j	Br	79		
İ	Se -2	82		
•	Kr	83		
	Ho	165		
	Pb	208		
	Bi	209		
	Τh	232		
	Ni -3	58		
	Ni -4	60		
	Ni -5	62		
	As-2	75		
	Y-1	89		
	Rh-1	103		
>	Ge	72		68.920
>	T b	159		68.841
>	Ge-1	72		75.675

Sample ID: 08-136-01d MSD 2X

Sample Date/Time: Tuesday, August 19, 2025 10:57:43 Report Date/Time: Tuesday, August 19, 2025 10:59:32

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-136-01d MSD 2X.057

Results (Mean Data)

						,				
IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
i	Ni -1	60	187171.4	1.5	34.8970	0.271	8.0	ug/L	162	Standard
i	As	75	134813.3	1.4	41.6806	0.354	8.0	ug/L	13407	Standard
i	As-1	75	125646.4	1.6	41.5047	0.380	0.9	ug/L	-163	Standard
i i	Se	77	8567.2	2.4	43.5335	1,264	2.9	ug/L	118	Standard
l I	Se -1	78	36707.4	0.4	43,6635	0,416	1.0	ug/L	13606	Standard
l I	Br	70 79	12247.9	1.4	10,000			ug/L	470	Standard
	Se -2	82	10860.8	0.5	43.1486	0.089	0.2	ug/L	34	Standard
ı		83	34.3	16.8	4011100			ug/L	34	Standard
ı	Kr	165	559038.0	0.6				ug/L	745954	Standard
İ	Но		1355001.0	1.4	34,4996	0.462	1.3	ug/L	990	Standard
1	Pb	208	301275.3	1.3	04.4000	0, 10	,,,	ug/L	414898	Standard
	Bi	209	361178.6	1.3				ug/L	510163	Standard
-	Th	232		0,8	33,8419	0.304	0.9	ug/L	242	KED
1	Ni -3	58	276597.5			0.218	0.6	ug/L	100	KED
-	Ni -4	60	121175.5	1.0	34,0931	0.210	0.5	ug/L	19	KED
-	Ni -5	62	17553.1	1.9	33.5607					
1	As-2	75	21281.2	0.3	40.1577	0.523	1.3	ug/L	3	KED
	Y-1	89	80407.4	1.9				ug/L	98389	KED
	Rh-1	103	86470.2	0.6				ug/L	118370	KED
>	Ge	72	536161.4	0.7				ug/L.	720115	Standard
>	Tb	159	640042.9	2.6				ug/L	850893	Standard
>	Ge-1	72	80339.3	1.6				ug/L	99799	KED
1.										

	Α Ι (.	N.4	OO Otal O/ Decourant	Int Ctd 9/ Decovery
Internal Standard Symbol	Analyte		QC Std % Recovery	Int Std % Recovery
	Ni -1	60		
	As	75		
	As-1	75		
	Se	77		
	Se -1	78		
	Br	79		
	Se -2	82		
·	Kr	83		
	Но	165		
	Pb	208		
	Bi	209		
	Th	232		
	Ni -3	58		
	Ni -4	60		
	Ni -5	62		
	As-2	75		
'	Y-1	89		
	Rh-1	103		
>	Ge	72		74.455
>	Tb	159		75.220
>	Ge-1	72		80.501

Sample ID: 08-136-02d 2X

Sample Date/Time: Tuesday, August 19, 2025 11:01:52 Report Date/Time: Tuesday, August 19, 2025 11:03:41

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-136-02d 2X.058

Results (Mean Data)

						,				
IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
1	Ni -1	60	5926.9	1.9	1.0713	0.036	3.4	ug/L	162	Standard
i	As	75	18026.5	0.3	2.9274	0.094	3.2	ug/L	13407	Standard
	As-1	75	7302.1	0.8	2.5145	0.044	1.7	ug/L	-163	Standard
i	Se	77	190.3	3.3	0.5319	0.046	8.6	ug/L	118	Standard
i	Se -1	78	10880.5	1.0	1.8929	0.294	15.5	ug/L	13606	Standard
i	Br	79	10438.8	1.4				ug/L	470	Standard
İ	Se -2	82	77.3	10.5	0.1413	0.029	20.3	ug/L	34	Standard
,	Kr	83	33.3	32.1				ug/L	34	Standard
i	Но	165	534251.4	0.7				ug/L	745954	Standard
i i	Pb	208	973.3	0.8	0.0262	0.000	1.5	ug/L	990	Standard
1	Bi	209	293657.6	1.4				ug/L	414898	Standard
1	Th	232	351451.4	0.7				ug/L	510163	Standard
1	Ni -3	58	7584.0	2.8	0.8864	0.025	2.9	ug/L	242	KED
1	Ni -4	60	2996.3	1.4	0.8089	0.013	1.6	ug/L	100	KED
-	Ni -4	62	454.7	2.4	0.8421	0.018	2.1	ug/L	19	KED
		75	1328.7	6.5	2,5412	0.155	6.1	ug/L	3	KED
1	As-2	89	78961.6	0.8	RAIO I I M	• • • • • • • • • • • • • • • • • • • •		ug/L	98389	KED
	Y-1		86815.0	0.3				ug/L	118370	KED
	Rh-1	103						ug/L	720115	Standard
>	Ge	72	521855.9	1.6				ug/L	850893	Standard
>	Tb	159	623175.3	2.2				ug/L	99799	KED
>	Ge-1	72	78718,6	0.5				ug/L	99199	1/11/1/

at a soulouing a	41010			
Internal Standard Symbol	Analyte		QC Std % Recovery	Int Std % Recovery
	Ni -1	60		
Ì	As	75		
İ	As-1	75		
	Se	77		
	Se -1	78		
	Br	79		
	Se -2	82		
'	Kr	83		
	Но	165		
	Pb	208		
	Bi	209		
i	Th	232		
i	Ni -3	58		
	Ni -4	60		
	Ni -5	62		
	As-2	75		
1	Y-1	89		
	Rh-1	103		
>	Ge	72		72.468
>	Tb	159		73.238
>	Ge-1	72		78.877
17				

Sample ID: 08-136-03d 2X

Sample Date/Time: Tuesday, August 19, 2025 11:06:01 Report Date/Time: Tuesday, August 19, 2025 11:07:51

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-136-03d 2X.059

Results (Mean Data)

	()												
IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode			
1	Ni -1	60	17327.2	2.6	3.1969	0.082	2.6	ug/L	162	Standard			
1	As	75	27835.8	0.1	6.1071	0.015	0.3	ug/L	13407	Standard			
1	As-1	75	17186.9	0.4	5.7570	0.031	0.5	ug/L	-163	Standard			
1	Se	77	188.7	3.8	0.5041	0.037	7.4	ug/L	118	Standard			
-	Se -1	78	10916.2	0.5	1.6076	0.073	4.5	ug/L	13606	Standard			
		70 79	49950.8	0.7	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			ug/L	470	Standard			
1	Br	82	121.0	16.0	0,3113	0.078	24.9	ug/L	34	Standard			
ı	Se -2	83	33.7	9.1	0,0			ug/L	34	Standard			
	Kr		532970.3	0.7				ug/L	745954	Standard			
ļ	Ho	165 208	1254.4	1.0	0.0334	0.000	1.5	ug/L	990	Standard			
	Pb		298599.2	2.4	0.000-7	0,000	,,	ug/L	414898	Standard			
1	Bi	209	359070.5	1.8				ug/L	510163	Standard			
Ì	Th	232			3,8945	0.012	0.3	ug/L	242	KED			
ļ	Ni -3	58	34002.8	0.2	2.8092	0.048	1.7	ug/L	100	KED			
- !	Ni -4	60	10698.7	2.0	2.8303	0.046	3.0	ug/L	19	KED			
ļ	Ni -5	62	1582.4	2.9		0.000	2.5	ug/L	3	KED			
	As-2	75	3293.7	2.4	5.8846	0.140	2.0	ug/L	98389	KED			
	Y-1	89	85096.1	1.5				-	118370	KED			
	Rh-1	103	90284.1	1.8				ug/L	720115	Standard			
>	Ge	72	531789.5	0.1				ug/L	850893	Standard			
>	Tb	159	625053.1	0.6				ug/L					
>	Ge-1	72	84620.6	0.4				ug/L	99799	KED			

QC Calculated Values

GO Galculated ve	iluos			
Internal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
	As	75		
i	As-1	75		
	Se	77		
j	Se -1	78		
	Br	79		
	Se -2	82		
•	Kr	83		
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Ni -3	58		
	Ni -4	60		
	Ni -5	62		
	As-2	75		
	Y-1	89		
	Rh-1	103		70.040
>	Ge	72		73.848
>	Tb	159		73.458
>	Ge-1	72		84.791

Sample ID: 08-136-03d 2X

Report Date/Time: Tuesday, August 19, 2025 11:07:51

Page 1

Sample ID: 08-136-04d 2X

Sample Date/Time: Tuesday, August 19, 2025 11:10:11 Report Date/Time: Tuesday, August 19, 2025 11:11:59

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-136-04d 2X.060

Results (Mean Data)

					•	•				
IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
1	Ni -1	60	3674.1	0.2	0.6016	0.008	1.3	ug/L	162	Standard
i	As	75	11654.8	2.3	0.5359	0.127	23.6	ug/L	13407	Standard
i	As-1	75	1092.2	6.9	0.3891	0.028	7.3	ug/L	-163	Standard
i	Se	77	228.7	3.6	0.6701	0.028	4.2	ug/L	118	Standard
i	Se -1	78	10695,7	1.9	0.6380	0.502	78.6	ug/L	13606	Standard
i	Br	79	21751.9	0.5				ug/L	470	Standard
ĺ	Se -2	82	68.0	18.4	0.0889	0.050	56.5	ug/L	34	Standard
'	Kr	83	36.7	6.3				ug/L	34	Standard
1	Но	165	566652.6	2.2				ug/L	745954	Standard
ĺ	Pb	208	1177.0	3.5	0.0296	0.000	1.2	ug/L	990	Standard
i	Ві	209	318813.0	0.7				ug/L	414898	Standard
i	Th	232	378598.0	1.3				ug/L	510163	Standard
İ	NI -3	58	2272.1	2.3	0.2029	0,008	3.8	ug/L	242	KED
į	Ni -4	60	995.7	0.8	0.2143	0.004	1.7	ug/L	100	KED
i	Ni -5	62	140.7	6.6	0.2101	0.017	8.2	ug/L	19	KED
ĺ	As-2	75	228.3	4.2	0.3922	0.016	4.1	ug/L	3	KED
	Y-1	89	83953.0	1.6				ug/L	98389	KED
	Rh-1	103	90141.5	1.1				ug/L	118370	KED
>	Ge	72	550816.0	1.2				ug/L	720115	Standard
>	Tb	159	664339.4	2.3				ug/L	850893	Standard
>	Ge-1	72	84390.5	0.7				ug/L	99799	KED

Internal Standard Symbol	Analyte		QC Std % Recovery	Int Std % Recovery
	Ni -1	60		
	As	75		
	As-1	75		
	Se	77		
Ì	Se -1	78		
	Br	79		
	Se -2	82		
	Kr	83		
1	Но	165		
Ì	Pb	208		
	Bi	209		
	Th	232		
Ì	Ni -3	58		
İ	Ni -4	60		
İ	Ni -5	62		
İ	As-2	75		
	Y-1	89		
	Rh-1	103		
>	Ge	72		76.490
>	Tb	159		78.076
>	Ge-1	72		84.561
1.5				

Sample ID: 08-136-05d 2X

Sample Date/Time: Tuesday, August 19, 2025 11:14:19 Report Date/Time: Tuesday, August 19, 2025 11:16:08

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-136-05d 2X.061

Results (Mean Data)

					•	•				
IS	Analyte	• Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
1	NI -1	60	8752.0	2.4	1.5756	0.038	2.4	ug/L	162	Standard
i	As	75	11520.9	8.0	0.6106	0.014	2.3	ug/L	13407	Standard
i	As-1	75	1205.6	2,4	0.4377	0.010	2.3	ug/L	-163	Standard
i	Se	77	188.7	3.1	0.5004	0.026	5.1	ug/L	118	Standard
i	Se -1	78	10530.5	0.9	0.9058	0.095	10.4	ug/L	13606	Standard
i	Br	79	32313.5	0.8				ug/L	470	Standard
i	Se -2	82	100.0	3.6	0.2254	0.016	7.2	ug/L	34	Standard
·	Kr	83	29.3	11.0				ug/L	34	Standard
1	Но	165	543978.9	1.7				ug/L	745954	Standard
i	Pb	208	604.0	2.0	0.0161	0.000	2.0	ug/L	990	Standard
İ	Bi	209	308371.2	0.9				ug/L	414898	Standard
İ	Th	232	362783.6	0.9				ug/L	510163	Standard
Ĺ	Ni -3	58	9894.1	1.8	1.1446	0.034	3.0	ug/L	242	KED
ĺ	Ni -4	60	4265.3	2.0	1.1435	0.042	3.6	ug/L	100	KED
İ	Ni -5	62	619.3	3.6	1.1334	0.025	2.2	ug/L	19	KED
	As-2	75	193.0	12.1	0.3445	0.045	12.9	ug/L	3	KED
	Y-1	89	80825.1	2.7				ug/L	98389	KED
	Rh-1	103	87062.5	1.4				ug/L	118370	KED
>	Ge	72	533801.6	0.4				ug/L	720115	Standard
>	Tb	159	640270.1	0.7				ug/L	850893	Standard
>	Ge-1	72	80743.6	1.6				ug/L	99799	KED

Internal Standard Symbol	Analyta	Macc	QC Std % Recovery	Int Std % Recovery
Internal Standard Symbol			QC Std % Recovery	III Stu 76 Necovery
	Ni -1	60		
	As	75		
	As-1	75		
	Se	77		
	Se -1	78		
	Br	79		
	Se -2	82		
	Kr	83		
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Ni -3	58		
	Ni -4	60		
	Ni -5	62		
	As-2	75		
	Y-1	89		
	Rh-1	103		
>	Ge	72		74.127
>	Tb	159		75.247
>	Ge-1	72		80.906
•				

Sample ID: 08-136-06d 2X

Sample Date/Time: Tuesday, August 19, 2025 11:18:28 Report Date/Time: Tuesday, August 19, 2025 11:20:17

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-136-06d 2X.062

Results (Mean Data)

						•				
IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
10		60	3858.5	1.0	0.6611	0.005	0.8	ug/L	162	Standard
	Ni -1		11729.4	1.6	0.7003	0.051	7.3	ug/L	13407	Standard
-	As	75 75		6.5	0.3930	0.021	5.2	ug/L	-163	Standard
ļ	As-1	7 5	1065.9		0.7361	0.155	21.1	ug/L	118	Standard
-	Se	7 7	233.0	12.0		0.307	21.0	ug/L	13606	Standard
	Se -1	78	10813.1	1.7	1.4605	0.307	21.0	-	470	Standard
	Br	79	22584.2	2.2			0.7	ug/L	34	Standard
1	Se -2	82	74.7	3.1	0.1254	0.011	8.7	ug/L		
•	Kr	83	25.3	28.0				ug/L	34	Standard
1	Но	165	553277.0	2.2				ug/L	745954	Standard
i	Pb	208	1198.4	1.1	0.0311	0.000	1.6	ug/L.	990	Standard
1	Bi	209	304320.3	0.4				ug/L	414898	Standard
			363996.6	1.1				ug/L	510163	Standard
ļ.	Th	232	2427.4	3.8	0,2308	0.012	5.0	ug/L	242	KED
-	NI -3	58 60		1.7	0,2403	0.005	2.1	ug/L	100	KED
1	Ni -4	60	1056.0		0.2422	0.036	14.9	ug/L	19	KED
	Ni -5	62	153.0	12.7		0.042	11.3	ug/L	3	KED
	As-2	75	211.0	10.7	0.3742	0,042	11.0	ug/L	98389	KED
	Y-1	8 9	81319.8	0.9				-	118370	KED
	Rh-1	103	87220.5	1.5				ug/L		
>	Ge	72	531119.7	8,0				ug/L	720115	Standard
>	Tb	159	642917.6	2.4				ug/L	850893	Standard
>	Ge-1	72	81563.5	0.2				ug/L	99799	KED
10										

Internal Standard Symbol	Analyte Ni -1 As As-1 Se Se -1 Br Se -2 Kr Ho Pb Bi Th Ni -3 Ni -4 Ni -5 As-2 Y-1 Rh-1	Mass 60 75 75 77 78 79 82 83 165 208 209 232 58 60 62 75 89 103	QC Std % Recovery	Int Std % Recovery
> > >	Rh-1 Ge Tb Ge-1	103 72 159 72		73.755 75.558 81.728

Sample ID: 08-139-01c 2X

Sample Date/Time: Tuesday, August 19, 2025 11:22:36 Report Date/Time: Tuesday, August 19, 2025 11:24:25

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-139-01c 2X.063

Results (Mean Data)

IS	Analyte	Mose	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
i	-		1437.1	3.0	0.2007	0.008	4.0	ug/L	162	Standard
i	Ni -1	60 75		2.0	0.2631	0.059	22.4	ug/L	13407	Standard
- 1	As	75	10577.2		0.0630	0.049	78.4	ug/L	-163	Standard
ļ	As-1	75	76.3	198.0					118	Standard
	Se	77	391.7	5.5	1.5302	0.123	8.1	ug/L		
	Se -1	78	10612.9	0.6	0.8860	0.136	15.3	ug/L	13606	Standard
	Br	79	26574.7	0.8				ug/L	470	Standard
	Se -2	82	59.7	18.5	0.0617	0.045	73.0	ug/L	34	Standard
	Kr	83	29.0	17.2				ug/L	34	Standard
1	Но	165	564803.0	1.5				ug/L	745954	Standard
i	Pb	208	2001.4	1.5	0.0502	0.001	2.8	ug/L	990	Standard
i	Bi	209	313216.0	1.1				ug/L	414898	Standard
i	Th	232	364087.7	0.7				ug/L	510163	Standard
i	Ni -3	58	1917.3	6,8	0.1498	0.015	10.3	ug/L	242	KED
i	NI -4	60	370.0	7.9	0.0413	0.008	19.1	ug/L	100	KED
i	Ni -5	62	58.3	15.6	0.0545	0.015	28.4	ug/L	19	KED
i	As-2	75	21.0	21.8	0.0177	0.008	45.1	ug/L	3	KED
	Y-1	89	89367.4	1.2				ug/L	98389	KED
	Rh-1	103	97676.5	0.9				ug/L	118370	KED
>	Ge	72	538612.0	0.7				ug/L	720115	Standard
>	Tb	159	658797.7	1.4				ug/L	850893	Standard
i i	Ge-1	72	89037.6	0.5				ug/L	99799	KED
>	QG" I	12.	0.10003	3,0						

QC Calculated Values

			0.0 01.10/ 50	Int Otal O/ Dansers
Internal Standard Symbol	Analyte		QC Std % Recovery	Int Std % Recovery
	Ni -1	60		
	As	75		
	As-1	75		
	Se	77		
	Se -1	78		
	Br	79		
	Se -2	82		
•	Kr	83		
	Но	165		
	Pb	208		
	Bi	209		
	Th	232		
	Ni -3	58		
	Ni -4	60		
	Ni -5	62		
İ	As-2	75		
•	Y-1	89		
	Rh-1	103		
>	Ge	72		74.795
>	Tb	159		77.424
>	Ge-1	72		89.217
1 -		-		

Sample ID: 08-139-01c 2X

Report Date/Time: Tuesday, August 19, 2025 11:24:25

Page 1

Sample ID: QC Std 6

Sample Date/Time: Tuesday, August 19, 2025 11:26:45 Report Date/Time: Tuesday, August 19, 2025 11:28:35

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\QC Std 6.064

Results (Mean Data)

IS	Analyte	e Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
1	Ni -1	60	217632.3	0.8	40.5325	0.943	2.3	ug/L	162	Standard
i	As	75	132191.8	0.3	40.7442	0.683	1.7	ug/L	13407	Standard
i	As-1	75	123377.8	0.6	40.6964	0.467	1.1	ug/L	-163	Standard
i	Se	77	8058.9	1.4	40.8551	0.609	1.5	ug/L	118	Standard
İ	Se -1	78	35416.5	0.3	41.4676	1.121	2.7	ug/L	13606	Standard
i	Br	79	775.4	7.5				ug/L	470	Standard
j	Se -2	82	10490.9	1.6	41.6050	0.232	0.6	ug/L	34	Standard
	Kr	83	33.7	32.7				ug/L	34	Standard
1	Но	165	562800.8	0.9				ug/L	745954	Standard
İ	Pb	208	1573798.3	0.3	39.1838	0.527	1.3	ug/L	990	Standard
Ì	Bi	209	324576.5	1.7				ug/L	414898	Standard
Ì	Th	232	373294.3	0.1				ug/L	510163	Standard
Ì	Ni -3	58	334664.6	0.3	37.6958	0.244	0,6	ug/L	242	KED
Ì	NI -4	60	145039.6	0.3	37.5671	0.280	0.7	ug/L	100	KED
Ì	Ni -5	62	21088.2	0.6	37.1204	0.031	0.1	ug/L	19	KED
ĺ	As-2	75	23076.3	1.0	40.0798	0,611	1.5	ug/L	3	KED
	Y-1	89	87288.9	0.6				ug/L	98389	KED
	Rh-1	103	97693.2	0.3				ug/L	118370	KED
>	Ge	72	537038.3	1.7				ug/L	720115	Standard
>	Tb	159	654455.3	1.4				ug/L	850893	Standard
>	Ge-1	72	87277.5	0.5				ug/L	99799	KED

Internal Standard Symbol	Analvte	Mass	QC Std % Recovery	Int Std % Recovery
	Ni -1	60	101.331	·
	As	75	101.860	
	As-1	75	101.741	
	Se	77	102.138	
	Se -1	78	103.669	
	Br	79		
Ì	Se -2	82	104.012	
	Kr	83		
	Но	165		
	Pb	208	97.959	
	Bi	209		
	Th	232		
	Ni -3	58	94.239	
	Ni -4	60	93.918	
	Ni -5	62	92.801	
	As-2	75	100.200	
	Y-1	89		
	Rh-1	103		
>	Ge	72		74.577
>	Tb	159		76.914
>	Ge-1	72		87.453

Sample ID: QC Std 7

Sample Date/Time: Tuesday, August 19, 2025 11:30:56 Report Date/Time: Tuesday, August 19, 2025 11:32:45

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\QC Std 7.065

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
ı	Ni -1	60	107938.6	0.7	20.2352	0.212	1.0	ug/L	162	Standard
i	As	75	69416.4	1.5	20.0452	0.255	1.3	ug/L	13407	Standard
i	As-1	75	60004.9	1.4	19.9768	0.203	1.0	ug/L	-163	Standard
i	Se	77	4062.9	0.8	20.5368	0.067	0.3	ug/L	118	Standard
i	Se -1	78	22554.8	1.1	20.7557	0.253	1.2	ug/L	13606	Standard
i	Br	79	587.3	3,1		-,		ug/L	470	Standard
i	Se -2	82	5190.6	0.3	20.6715	0.102	0.5	ug/L	34	Standard
ı	Kr	83	30.3	18.2	ALCICI I			ug/L	34	Standard
ŧ	Ho	165	553362.1	2.5				ug/L	745954	Standard
	Pb	208	778533.2	1.6	19.5907	0.804	4.1	ug/L	990	Standard
I I	ги Bi	200	316346.5	2.0	10.0001	0,00		ug/L	414898	Standard
			362378.1	0.8				ug/L	510163	Standard
	Th	232 58	166399.4	0.6	19.0287	0,141	0.7	ug/L	242	KED
l i	Ni -3		71902.5	0.8	18.9120	0.170	0.9	ug/L	100	KED
1	Ni -4	60	10605.6	1.0	18.9621	0.256	1.3	ug/L	19	KED
1	Ni -5	62			20.3753	0.179	0.9	ug/L	3	KED
	As-2	75	11541.7	0.7	20.3753	0.170	0.0	ug/L	98389	KED
	Y-1	89	85612.1	1.4				ug/L	118370	KED
	Rh-1	103	96577.1	1.3				ug/L	720115	Standard
>	Ge	72	532526.0	0.5					850893	Standard
>	Tb	159	648087.8	3.8				ug/L		
>	Ge-1	72	85826.7	0.4				ug/L	99799	KED

QC Calculated Values

GO Calculated ve	แนษอ			
Internal Standard Symbol	Analyte		QC Std % Recovery	Int Std % Recovery
	Ni -1	60	101.176	
	As	75	100.226	
	As-1	75	99.884	
	Se	77	102.684	
	Se -1	78	103.779	
	Br	79		
İ	Se -2	82	103.358	
	Kr	83		
	Но	165		
	Pb	208	97.953	
	Bi	209		
	Th	232		
	Ni -3	58	95.143	
	Ni -4	60	94.560	
	Ni -5	62	94.811	
	As-2	75	101.876	
•	Y-1	89		
	Rh-1	103		
>	Ge	72		73,950
>	Tb	159		76.166
>	Ge-1	72		86.000

Sample ID: QC Std 7

Report Date/Time: Tuesday, August 19, 2025 11:32:45

Page 1

Sample ID: QC Std 8

Sample Date/Time: Tuesday, August 19, 2025 11:35:06 Report Date/Time: Tuesday, August 19, 2025 11:36:55

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\QC Std 8.066

Results (Mean Data)

IS	Analyte	Maga	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
10	•	60 fiviass	174.0	13.3	-0.0330	0.004	12.6	ug/L	162	Standard
1	Ni -1	75	10034.4	0.9	0.2070	0.068	33.0	ug/L	13407	Standard
-	As			4.2	0.0189	0.001	3.2	ug/L	-163	Standard
-	As-1	75 77	-56.0		0.0171	0.056	326.3	ug/L	118	Standard
	Se	77	92.3	10.3		0.332	44.0	ug/L	13606	Standard
1	Se -1	78	10154.9	0.9	0.7550	0.002	-1-1,0	ug/L	470	Standard
	Br	79	450.0	0.8	0.0000	0.009	98.6	ug/L	34	Standard
	Se -2	82	40.3	5.2	-0.0092	0.009	90.0	ug/L	34	Standard
	Kr	83	26.3	17.5				ug/L ug/L	745954	Standard
	Но	165	535463.5	2.1		0.004	4.0	-	990	Standard
	Pb	208	867.0	5.1	0.0235	0.001	4.6	ug/L	414898	Standard
	Bi	209	314693.1	1.4				ug/L		
	Th	232	358694.7	1.5				ug/L	510163	Standard
1	Ni -3	58	255.1	4.1	-0.0333	0.001	2.9	ug/L	242	KED
ĺ	Ni -4	60	115.0	2.3	-0.0228	0.001	2.7	ug/L	100	KED
ĺ	Ni -5	62	16.7	30.2	-0.0167	0.009	54.1	ug/L	19	KED
ĺ	As-2	75	10.0	60.8	-0.0006	0.011	1839.8	ug/L	3	KED
•	Y-1	89	86790.2	0.3				ug/L	98389	KED
	Rh-1	103	95576.0	8.0				ug/L	118370	KED
>	Ge	72	519365.8	1.2				ug/L	720115	Standard
>	Tb	159	620773.2	1.1				ug/L	850893	Standard
>	Ge-1	72	86734.2	0.7				ug/L	99799	KED
1-	~		* *							

go calculated ve	liaco			
Internal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
	As	75		
	As-1	75		
	Se	77		
	Se -1	78		
	Br	79		
	Se -2	82		
•	Kr	83		
	Ho	165		
İ	Pb	208		
	Bi	209		
	Th	232		
	Ni -3	58		
	Ni -4	60		
	Ni -5	62		
	As-2	75		
	Y-1	89		
	Rh-1	103		
>	Ge	72		72.123
>	Tb	159		72.955
>	Ge-1	72		86.909

Sample ID: 08-1 56-01d 10X

Sample Date/Time: Tuesday, August 19, 2025 11:38:26 Report Date/Time: Tuesday, August 19, 2025 11:40:15

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-156-01d 10X.067

Results (Mean Data)

					•	•				
IS	Analyt	e Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
- 1	Ni -1	60	8067.6	2.3	1.9226	0.068	3.5	ug/L	162	Standard
	As	75	11199.9	3.5	1.6807	0.214	12.7	ug/L	13407	Standard
	As-1	75	6104.2	7.6	2.6967	0.204	7.6	ug/L	-163	Standard
1	Se	77	15728.7	3.0	106.1549	4.357	4.1	ug/L	118	Standard
	Se -1	78	10330.1	2.9	5.9091	0.884	15.0	ug/L	13606	Standard
1	Br	79	1726957.9	1.0				ug/L	470	Standard
	Se -2	82	2069.1	0.4	10.7172	0,169	1.6	ug/L	34	Standard
	Kr	83	507.7	16.5				ug/L	34	Standard
1	Но	165	410402.8	8.0				ug/L	745954	Standard
	Pb	208	1060.7	4.2	0.0375	0.002	5.9	ug/L	990	Standard
	Bi	209	220501.7	0.4				ug/L	414898	Standard
	Th	232	281992.1	0.7				ug/L	510163	Standard
	Ni -3	58	5180.3	0.3	0.6030	0.008	1.3	ug/L	242	KED
	Ni -4	60	2138.8	1.4	0.5787	0.007	1.3	ug/L.	100	KED
-	Ni -5	62	425.7	8.0	0.8077	0.069	8.6	ug/L	19	KED
-	As-2	75	275.3	3.7	0.5263	0.015	2.9	ug/L	3	KED
	Y-1	89	74191.2	0.3				ug/L	98389	KED
	Rh-1	103	72564.8	0.8				ug/L	118370	KED
>	Ge	72	406325.7	1.2				ug/L	720115	Standard
>	Тb	159	470595.8	3.7				ug/L	850893	Standard
>	Ge-1	72	76680.6	1.0				ug/L	99799	KED

ao oalcalatea	Adiaco			
Internal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
	As	75		
	As-1	75		
	Se	77		
1	Se -1	78		
1	Br	79		
	Se -2	82		
	Kr	83		
	Ho	165		
	Pb	208		
	Bi	209		
	Th	232		
	Ni -3	58		
	Ni -4	60		
	Ni -5	62		
	As-2	75		
	Y-1	89		
	Rh-1	103		
>	Ge	72		56.425
>	Tb	159		55.306
>	Ge-1	72		76.835

Sample ID: 08-156-02d 10X

Sample Date/Time: Tuesday, August 19, 2025 11:42:36 Report Date/Time: Tuesday, August 19, 2025 11:44:25

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-156-02d 10X.068

Results (Mean Data)

						,				
IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
1	Ni -1	60	1673.4	3.6	0.2739	0.009	3.1	ug/L	162	Standard
i	As	75	14477.6	2.0	2.0102	0.102	5.1	ug/L	13407	Standard
i	As-1	75	4697.1	2.5	1.7269	0.051	2.9	ug/L	-163	Standard
i	Se	77	857.7	1.1	4.3266	0.107	2.5	ug/L	118	Standard
i	Se -1	78	10072.2	1.9	1.5520	0.287	18.5	ug/L	13606	Standard
i	Br	79	71352.8	2.2				ug/L	470	Standard
i	Se -2	82	129.3	7.4	0.3870	0.048	12.4	ug/L	34	Standard
	Kr	83	34.7	15.9				ug/L	34	Standard
1	Но	165	502135.3	0.5				ug/L	745954	Standard
i	Pb	208	1855.0	1.5	0.0527	0.001	1.9	ug/L	990	Standard
i	Bi	209	288647.3	0.6				ug/L	414898	Standard
i	Th	232	341047.7	0.4				ug/L	510163	Standard
i	Ni -3	58	3376.9	3.5	0.3038	0.011	3.7	ug/L	242	KED
i	Ni -4	60	938.4	4.3	0.1811	0.011	6.0	ug/L	100	KED
i	Ni -5	62	141.7	4.0	0.1936	0.008	4.4	ug/L	19	KED
Ì	As-2	75	1091.0	1.7	1.8033	0.027	1.5	ug/L	3	KED
·	Y-1	89	90157.9	8.0				ug/L	98389	KED
	Rh-1	103	94642.8	1.4				ug/L	118370	KED
>	Ge	72	492200.6	1.1				ug/L	720115	Standard
>	Tb	159	581678.0	1.4			*	ug/L	850893	Standard
j>	Ge-1	72	90838.9	0.5				ug/L	99799	KED

Internal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
	As	75		
	As-1	75		
	Se	77		
	Se -1	78		
	Br	79		
	Se -2	82		
	Kr	83		
	Но	165		
	Pb	208		
	Bi	209		
	Th	232		
	Ni -3	58		
	Ni -4	60		
	Ni -5	62		
	As-2	75		
	Y-1	89		
	Rh-1	103		
>	Ge	72		68.350
>	Tb	159		68.361
>	Ge-1	72		91.022

Sample ID: 08-156-03d 10X

Sample Date/Time: Tuesday, August 19, 2025 11:46:45 Report Date/Time: Tuesday, August 19, 2025 11:48:34

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-156-03d 10X.069

Results (Mean Data)

				,						
IS	Analyte	• Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
	Ni -1	60	8402.1	2.3	2.0594	0.050	2.4	ug/L	162	Standard
i	As	75	13527.8	1.8	2.8613	0.170	5.9	ug/L	13407	Standard
i	As-1	75	5939.5	6.8	2.6930	0.178	6.6	ug/L	-163	Standard
ì	Se	77	17008.8	0,6	117.8584	2.039	1.7	ug/L	118	Standard
ì	Se -1	78	12721.0	2.7	11.7954	0.971	8.2	ug/L	13606	Standard
i	Br	79	1589130.2	0.2				ug/L	470	Standard
i	Se -2	82	2032.8	1.9	10.8066	0.103	1.0	ug/L	34	Standard
1	Kr	83	1009.7	3.3				ug/L	34	Standard
1	Но	165	402111.7	0.9				ug/L	745954	Standard
i	Pb	208	947.0	0.4	0.0338	0.000	0.4	ug/L	990	Standard
i	Bi	209	221718.4	0.9				ug/L	414898	Standard
i	Th	232	283579.5	1.1				ug/L	510163	Standard
i	Ni -3	58	5284.3	0.9	0.5949	0.008	1.4	ug/L	242	KED
ì	NI -4	60	2134.8	3.4	0.5576	0.022	3.9	ug/L	100	KED
i	Ni -5	62	507.0	3.2	0.9387	0.033	3.5	ug/L	19	KED
i	As-2	75	276.7	4.5	0.5118	0.025	4.8	ug/L	3	KED
	Y-1	89	77594.2	0.6				ug/L	98389	KED
	Rh-1	103	74953.8	1.7				ug/L	118370	KED
>	Ge	72	395871.5	1.1				ug/L	720115	Standard
>	Tb	159	466463.6	0.8				ug/L	850893	Standard
>	Ge-1	72	79183.5	0.6				ug/L	99799	KED

QC Calculated Values

Internal Standard Symbol	Ni -1 As As-1 Se Se -1 Br Se -2 Kr Ho	60 75 75 77 78 79 82 83 165 208	QC Std % Recovery	Int Std % Recovery
	Bi Th Ni -3	209 232 58		
ļ	Ni -4	60		
	Ni -5 As-2	62 75		
	Y-1	89		
	Rh-1	103		E 4 070
>	Ge	72		54.973
>	Tb	159		54.820
>	Ge-1	72		79.343

Sample ID: 08-156-03d 10X

Report Date/Time: Tuesday, August 19, 2025 11:48:34

Page 1

Sample ID: 08-156-01c 10X

Sample Date/Time: Tuesday, August 19, 2025 11:50:54 Report Date/Time: Tuesday, August 19, 2025 11:52:43

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-156-01c 10X.070

Results (Mean Data)

			Intonnity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
IS	Analyte		Intensity		2.0193	0.040	2.0	ug/L	162	Standard
	Ni -1	60	8337.1	0.5	3.5872	0.069	1.9	ug/L	13407	Standard
	As	75	15312.3	2.1		0.070	2.6	ug/L	-163	Standard
	As-1	75	6089.8	3.0	2.7294		2.2	-	118	Standard
	Se	77	15956.6	8.0	109.2917	2.396		ug/L	13606	Standard
	Se -1	78	13681.2	2.6	13.5733	0.451	3.3	ug/L		Standard
	Br	79	1450925.8	1.4				ug/L	470	
ĺ	Se -2	82	1769.8	4.4	9.2773	0.367	4.0	ug/L	34	Standard
•	Kr	83	844.0	2.8				ug/L	34	Standard
1	Но	165	405773.6	0.7				ug/L	745954	Standard
-	Pb	208	1600.0	0.2	0.0562	0.001	1.5	ug/L	990	Standard
	Bi	209	219381.6	1.5				ug/L	414898	Standard
	Th	232	280564.7	0.7				ug/L	510163	Standard
1		58	5228.1	2.6	0.5589	0.015	2.7	ug/L	242	KED
i	Ni -3	60	2148.8	1.4	0.5342	0.008	1.5	ug/L	100	KED
-	Ni -4		454.3	5.1	0.7968	0.037	4.6	ug/L	19	KED
ļ	Ni -5	62		9.1	0.6161	0.054	8.8	ug/L	3	KED
1	As-2	75	346.7		0.0101	0.001	0.0	ug/L	98389	KED
	Y-1	89	84229.6	1.4				ug/L	118370	KED
	Rh-1	103	82168.3	0.6				-	720115	Standard
>	Ge	72	400401.5	1.5				ug/L	850893	Standard
>	Tb	159	470085.0	1.6				ug/L		
>	Ge-1	72	82876.0	0.9				ug/L	99799	KED

Internal Standard Symbol	Analyte Ni -1 As As-1 Se Se -1 Br Se -2 Kr Ho Pb Bi Th Ni -3 Ni -4 Ni -5 As-2 Y-1	Mass 60 75 75 77 78 79 82 83 165 208 209 232 58 60 62 75 89	QC Std % Recovery	Int Std % Recovery
	Rh-1	103		m = 000
>	Ge	72		55.602
>	Tb	159		55.246
>	Ge-1	72		83.043

Sample ID: 08-156-02c 10X

Sample Date/Time: Tuesday, August 19, 2025 11:55:03 Report Date/Time: Tuesday, August 19, 2025 11:56:52

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth
Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-156-02c 10X.071

Results (Mean Data)

IS	Analyte	Mage	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
10	Ni -1	60	2238.2	1.1	0.3911	0.005	1.3	ug/L	162	Standard
i i	As	75	14915.2	0.9	2,1950	0.048	2.2	ug/L	13407	Standard
1	As-1	75 75	4454.5	1.1	1.6472	0.016	1.0	ug/L	-163	Standard
-		73 77	1027.7	4.5	5.3045	0.249	4.7	ug/L	118	Standard
-	Se So 4	78	10744.7	1.0	2.8430	0.176	6.2	ug/L	13606	Standard
1	Se -1	78 79	68303.3	2.0	NATO TO	+,,,-		ug/L	470	Standard
İ	Br	7 <i>9</i> 82	127.3	8.2	0.3806	0.044	11.6	ug/L	34	Standard
j	Se -2	83	40.0	19.5	0,000	0.0	, , , , ,	ug/L	34	Standard
1	Kr	165	508810.8	2.7				ug/L	745954	Standard
1	Ho		5152.4	1.2	0.1441	0.001	0.4	ug/L	990	Standard
	Pb	208	283624.5	0.4	Q. (*****)	0,001		ug/L	414898	Standard
	Bi	209	330592.1	1.2				ug/L	510163	Standard
	Th	232	4356.6	2.8	0.3842	0.012	3.2	ug/L	242	KED
ļ.	Ni -3	58	1326.7	2.8	0.2598	0.008	3.2	ug/L	100	KED
-	Ni -4	60	226.3	7.3	0.3161	0.026	8.3	ug/L	19	KED
	Ni -5	62 75	1042.0	3.9	1.6267	0.065	4.0	ug/L	3	KED
ı	As-2	75	99866.2	0.3	1.0201	0.000	110	ug/L	98389	KED
	Y-1	89	103350.2	1.2				ug/L	118370	KED
1	Rh-1	103	489830,2	0.3				ug/L	720115	Standard
>	Ge	72 450		1.4				ug/L	850893	Standard
>	Tb	159	585488.1					ug/L	99799	KED
>	Ge-1	72	96075.7	0.2				ug/L	00100	

QC Calculated Values

go calculated ve	11400			
Internal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
	As	75		
	As-1	75		
	Se	77		
	Se -1	78		
	Br	79		
İ	Se -2	82		
•	Kr	83		
	Но	165		
	Pb	208		
	Bi	209		
	Th	232		
	Ni -3	58		
	Ni -4	60		
	Ni -5	62		
	As-2	75		
	Y-1	89		
	Rh-1	103		
>	Ge	72		68.021
>	Tb	159		68.809
>	Ge-1	72		96.269

Sample ID: 08-156-02c 10X

Report Date/Time: Tuesday, August 19, 2025 11:56:52

Page 1

Sample ID: 08-156-03c 10X

Sample Date/Time: Tuesday, August 19, 2025 11:59:12 Report Date/Time: Tuesday, August 19, 2025 12:01:01

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\08-156-03c 10X.072

Results (Mean Data)

IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
	Ni -1	60	8 178.7	2.2	1,9700	0.014	0.7	ug/L	162	Standard
i	As	75	16348.1	1.8	4,0175	0.121	3.0	ug/L	13407	Standard
	As-1	75	6481.3	9,6	2.8893	0.266	9.2	ug/L	-163	Standard
	Se	77	16472.5	0.9	112.3235	1.627	1.4	ug/L	118	Standard
i	Se -1	78	14200.4	2.5	14.5741	0.648	4.4	ug/L	13606	Standard
i	Br	79	1466696.3	2.2				ug/L	470	Standard
i	Se -2	82	1 721.4	4.3	8.9758	0.247	2.8	ug/L	34	Standard
,	Kr	83	809.7	4.2				ug/L	34	Standard
1	Но	165	405 121.6	8.0				ug/L	745954	Standard
i	Pb	208	1 305.4	4.4	0.0460	0.001	2,2	ug/L	990	Standard
i	Bi	209	217048.4	0.5				ug/L	414898	Standard
i	Th	232	277 160.2	0.4				ug/L	510163	Standard
ĺ	Ni -3	58	4882.7	0.4	0.5199	0.003	0.7	ug/L	242	KED
i	Ni -4	60	2035.5	1.0	0.5052	0.007	1.5	ug/L	100	KED
i	Ni -5	62	445,3	1.0	0.7832	0.006	0.7	ug/L	19	KED
ĺ	As-2	75	337.7	3.0	0.6020	0.019	3.2	ug/L	3	KED
'	Y-1	89	85 115.1	0.5				ug/L	98389	KED
	Rh-1	103	84201.4	0.4				ug/L	118370	KED
>	Ge	72	402231.1	2.2				ug/L	720115	Standard
>	Tb	159	469650.1	2.3				ug/L	850893	Standard
>	Ge-1	72	82582.3	0.4				ug/L	99799	KED
, .										

Analyte Ni -1 As As-1 Se Se -1 Br Se -2 Kr Ho Pb Bi Th Ni -3 Ni -4 Ni -5 As-2 Y-1 Rh-1 Ge	Mass 60 75 75 77 78 79 82 83 165 208 209 232 58 60 62 75 89 103 72	QC Std % Recovery	Int Std % Recovery
			55.857 55.195 82.749
	Ni -1 As As-1 Se Se -1 Br Se -2 Kr Ho Pb Bi Th Ni -3 Ni -4 Ni -5 As-2 Y-1 Rh-1 Ge Tb	Ni - 1 60 As 75 As-1 75 Se 77 Se - 1 78 Br 79 Se - 2 82 Kr 83 Ho 165 Pb 208 Bi 209 Th 232 Ni - 3 58 Ni - 4 60 Ni - 5 62 As-2 75 Y-1 89 Rh-1 103 Ge 72 Tb 159	Ni -1 60 As 75 As-1 75 Se 77 Se -1 78 Br 79 Se -2 82 Kr 83 Ho 165 Pb 208 Bi 209 Th 232 Ni -3 58 Ni -4 60 Ni -5 62 As-2 75 Y-1 89 Rh-1 103 Ge 72 Tb 159

Sample ID: QC Std 6

Sample Date/Time: Tuesday, August 19, 2025 12:03:22 Report Date/Time: Tuesday, August 19, 2025 12:05:11

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\QC Std 6.073

Results (Mean Data)

	• • • • • • • • • • • • • • • • • • • •					•				
IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
i	Ni -1	60	233376.7	1.2	45.2678	0.137	0.3	ug/L	162	Standard
i	As	75	122260.4	0.7	39.1300	0.839	2.1	ug/L	13407	Standard
ľ	As-1	75	111476.8	1.1	38.3045	0.935	2.4	ug/L	-163	Standard
1	Se	77	7405.6	1.4	39.0786	0.207	0.5	ug/L	118	Standard
- 1 ·	Se -1	78	32645.6	0.4	39,1525	0.901	2.3	ug/L	13606	Standard
	Br	79	11529.7	3.3				ug/L	470	Standard
-		82	8626.6	2.4	35.6197	1.356	3.8	ug/L	34	Standard
ŀ	Se -2	83	33.3	9.2	•••••			ug/L	34	Standard
1	Kr		524645.5	2.2				ug/L	745954	Standard
-	Ho	165	1461562.0	0.4	39.1771	0,557	1.4	ug/L	990	Standard
-	Pb	208			00.1771	0,007		ug/L	414898	Standard
-	Bi	209	301126.3	0.4				ug/L	510163	Standard
	Th	232	337044.7	2.1	00.0004	0.434	1.2	ug/L	242	KED
	Ni -3	58	354798.4	0.7	36.6084			ug/L ug/L	100	KED
	Ni -4	60	153782.3	0.4	36.4881	0.460	1.3	_	19	KED
	Ni -5	62	22540.8	0.4	36.3473	0.289	0.8	ug/L	3	
	As-2	75	26183.6	0.3	41.6610	0.522	1.3	ug/L	-	KED
	Y-1	89	99003.6	1.0				ug/L	98389	KED
	Rh-1	103	109703.6	0.4				ug/L	118370	KED
>	Ge	72	515612.8	1.4				ug/L	720115	Standard
>	Tb	159	607911.5	1.7				ug/L	850893	Standard
>	Ge-1	72	95275.7	0.9				ug/L	99799	KED
, –										

QC Calculated Values

to the second Council of	Analuta	Mono	QC Std % Recovery	Int Std % Recovery
Internal Standard Symbol	Analyte			Int dia 70 Necessary
	Ni -1	60	113.170	
	As	75	97.825	
	As-1	75	95.761	
1	Se	77	97.696	
j	Se -1	78	97.881	
	Br	79		
	Se -2	82	89.049	
,	Kr	83		
	Но	165		
	Pb	208	97.943	
	Bi	209		
	Th	232		
İ	Ni -3	58	91.521	
	Ni -4	60	91,220	
i	Ni -5	62	90.868	
i	As-2	75	104.152	
,	Y-1	89		
	Rh-1	103		
>	Ge	72		71.601
>	Tb	159		71.444
>	Ge-1	72		95.468

Sample ID: QC Std 6

Report Date/Time: Tuesday, August 19, 2025 12:05:11

Sample ID: QC Std 7

Sample Date/Time: Tuesday, August 19, 2025 12:07:32 Report Date/Time: Tuesday, August 19, 2025 12:09:21

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\QC Std 7.074

Results (Mean Data)

					•	•				
IS	Analyte	Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
Ī	Ni -1	60	111917.4	0.4	22.3694	0.357	1.6	ug/L	162	Standard
ì	As	75	65267.9	0.3	20.0958	0.311	1.5	ug/L	13407	Standard
i	Aş-1	75	54858.1	0.6	19.4662	0.148	8.0	ug/L	-163	Standard
i	Se	77	3714.8	2.2	20.0018	0.529	2.6	ug/L	118	Standard
i	Se -1	78	21242.4	0.6	20.8996	0.636	3.0	ug/L	13606	Standard
- i -	Br	79	8406.8	2.2				ug/L	470	Standard
i	Se -2	82	4282.0	3.0	18.1508	0.410	2.3	ug/L	34	Standard
'	Kr	83	30.3	15.2				ug/L	34	Standard
1	Но	165	502567.2	2.9				ug/L	745954	Standard
i	Pb	208	715917.7	1.3	19.9738	0.216	1,1	ug/L	990	Standard
i	Bi	209	291887.2	1.5				ug/L	414898	Standard
İ	Th	232	327029.6	0,6				ug/L	510163	Standard
i	Ni -3	58	174701.0	0.6	18.3018	0.151	0.8	ug/L	242	KED
i	Ni -4	60	76024.4	0.7	18.3191	0.151	0.8	ug/L	100	KED
i	Ni -5	62	11236.8	1.3	18.4050	0.218	1.2	ug/L	19	KED
i	As-2	75	12789.7	0.5	20.6868	0.129	0.6	ug/L	3	KED
	Y-1	89	95750.2	1.2				ug/L	98389	KED
	Rh-1	103	106859.2	0.5				ug/L	118370	KED
>	Ge	72	499689.6	1.4				ug/L	720115	Standard
>	Tb	159	584074.3	2.4				ug/L	850893	Standard
>	Ge-1	72	93675.5	0.2				ug/L	99799	KED
	-									

Internal Standard Symbol	Analyte	Mass	QC Std % Recovery	Int Std % Recovery
	Ni -1	60	111.847	
İ	As	75	100.479	
İ	As-1	75	97.331	
	Se	77	100.009	
	Se -1	78	104.498	
İ	Br	79		
	Se -2	82	90.754	
,	Kr	83		
	Но	165		
	Pb	208	99.869	
	Bi	209		
	Th	232		
	Ni -3	58	91.509	
	Ni -4	60	91.595	
	Ni -5	62	92.025	
	As-2	75	103.434	
	Y-1	89		
	Rh-1	103		
>	Ge	72		69.390
>	Tb	159		68.642
>	Ge-1	72		93.864

Sample ID: QC Std 8

Sample Date/Time: Tuesday, August 19, 2025 12:11:42 Report Date/Time: Tuesday, August 19, 2025 12:13:31

Method File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\Method\Y250819A.mth

Dataset File: C:\Users\Public\Documents\PerkinElmer Syngistix\ICPMS\DataSet\Y250819A\QC Std 8.075

Results (Mean Data)

IS	Analyt	e Mass	Intensity	RSD	Conc.	SD	RSD	Units	Blank Intens.	Mode
- [Ni -1	60	183.7	8.4	-0.0297	0.002	7.9	ug/L	162	Standard
	As	75	10183.2	1.6	0.4063	0.147	36.2	ug/L	13407	Standard
	As-1	75	32.8	82.2	0.0498	0.010	19.9	ug/L	-163	Standard
İ	Se	77	219.7	10.5	0.7416	0.138	18.5	ug/L	118	Standard
	Se -1	78	10224.0	1.4	1.6009	0.667	41.7	ug/L	13606	Standard
1	Br	79	6686.9	1.2				ug/L	470	Standard
1	Se -2	82	44.0	12.0	0.0131	0.018	138.8	ug/L	34	Standard
	Kr	83	24.0	4.2				ug/L	34	Standard
l	Ho	165	518768.0	1,6				ug/L	745954	Standard
}	Pb	208	1002.0	2.6	0.0279	0.001	2.3	ug/L	990	Standard
1	Bi	209	297649.3	0.8				ug/L	414898	Standard
	Th	232	331530.2	1.7				ug/L	510163	Standard
1	Ni -3	58	269.3	9.7	-0.0339	0.003	8.1	ug/L	242	KED
	Ni -4	60	120.0	4.3	-0.0237	0.001	4.9	ug/L	100	KED
	Ni -5	62	26.0	27.7	-0.0035	0.012	330.5	ug/L	19	KED
	As-2	75	13.7	29.6	0.0041	0.007	161.9	ug/L	3	KED
	Y-1	89	95016.3	0.7				ug/L	98389	KED
	Rh-1	103	104181.2	0.6				ug/L	118370	KED
>	Ge	72	498549.7	2.4				ug/L	720115	Standard
>	Tb	159	601204.0	0.3				ug/L	850893	Standard
>	Ge-1	72	93521.1	0.5				ug/L	99799	KED

Se Salvalatea	values			
Internal Standard Symbol	Analyte Ni -1	Mass 60	QC Std % Recovery	Int Std % Recovery
	As	75		
	As-1	75		
	Se	77		
	Se -1	78		
1	Br	79		
	Se -2	82		
	Kr	83		
1	Ho	165		
1	Pb	208		
1	Bi	209		
	Th	232		
	Ni -3	58		
	Ni -4	60		
	Ni -5	62		
	As-2	75		
	Y-1	89		
	Rh-1	103		
>	Ge	72		69.232
>	Tb	159		70.656
>	Ge-1	72		93.710

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Attachment 3
Data Validation Report



Data Validation Report

2101 4th Avenue, Suite 950, Seattle, Washington 98121, Telephone: 206.728.2674

www.geoengineers.com

Project: Dakota Creek Industries, Anacortes, Washington

Date: September 25, 2025

GEI File No: 5147-006-19

Subject: Post-Construction Compliance Groundwater Monitoring – August 2025 Groundwater

Monitoring Event

This report documents the results of a United States Environmental Protection Agency (USEPA) defined Stage 2B data validation (USEPA 2009) of the analytical data from the analyses of water samples collected as part of the August 2025 sampling event, and the associated laboratory and field quality control (QC) samples. The samples were obtained from the Dakota Creek Industries (DCI) Site located at 155 Q Avenue (north of 3rd Street between Commercial Avenue and R Avenue) in Anacortes, Washington.

Objective and Quality Control Elements

GeoEngineers, Inc. (GeoEngineers) completed the data validation consistent with the USEPA Contract Laboratory Program National Functional Guidelines for Organic Superfund Methods Data Review (USEPA 2020a) and National Functional Guidelines for Inorganic Superfund Methods Data Review (USEPA 2020b) to determine if the laboratory analytical results meet the project objectives and are usable for their intended purpose. Data usability was assessed by determining if:

- The samples were analyzed using well-defined and acceptable methods that provide reporting limits below applicable regulatory criteria;
- The precision and accuracy of the data are well-defined and sufficient to provide defensible data; and
- The quality assurance/quality control (QA/QC) procedures utilized by the laboratory meet acceptable industry practices and standards.

In accordance with the Compliance Monitoring and Quality Assurance Project Plan (CMP/QAPP; GeoEngineers 2022), the data validation included review of the following QC elements:

- Data Package Completeness
- Chain-of-Custody Documentation
- Holding Times and Sample Preservation
- Surrogate Recoveries
- Method Blanks
- Matrix Spikes/Matrix Spike Duplicates
- Laboratory Control Samples/Laboratory Control Sample Duplicates
- Laboratory and Field Duplicates
- Instrument Tuning
- Internal Standards

Data Validation Report September 25, 2025 Page 2

- Initial Calibrations (ICALs)
- Continuing Calibrations (CCALs)
- Reporting Limits

Validated Sample Delivery Groups

This data validation included review of the sample delivery group (SDG) listed below in Table 1.

TABLE 1. SUMMARY OF VALIDATED SAMPLE DELIVERY GROUPS

LABORATORY SDG	SAMPLES VALIDATED
2508-156	MW-2B-250813, DUP-1-250813, MW-8-250813

Chemical Analysis Performed

OnSite Environmental, Inc. (OnSite), located in Redmond, Washington, performed laboratory analyses on the samples using the following methods:

- Polycyclic Aromatic Hydrocarbons (PAHs) by Environmental Protection Agency (EPA) Method SW8270E-SIM; and
- Total and Dissolved Metals by EPA Method 200.8

Data Validation Summary

The results for each of the QC elements are summarized below.

DATA PACKAGE COMPLETENESS

OnSite provided the required deliverables for the data validation according to the National Functional Guidelines. The laboratory followed adequate corrective action processes and the identified anomalies were discussed in the relevant laboratory case narrative.

CHAIN-OF-CUSTODY DOCUMENTATION

Chain-of-custody (COC) forms were provided with the laboratory analytical reports. The COCs were accurate and complete when submitted to the laboratory.

HOLDING TIMES AND SAMPLE PRESERVATION

The sample holding time is defined as the time that elapses between sample collection and sample analysis. Maximum holding time criteria exist for each analysis to help ensure that the analyte concentrations found at the time of analysis reflect the concentration present at the time of sample collection. Established holding times were met for each analysis. The sample cooler arrived at the laboratory within the appropriate temperatures of between two and six degrees Celsius. Samples for PAH analysis were placed in laboratory prepared containers with hydrochloric acid (HCL) in accordance with method

Data Validation Report September 25, 2025 Page 3

guidelines. Samples for metals analysis were placed in laboratory prepared containers with nitric acid (HNO₃) in accordance with method guidelines. Samples for dissolved metal analysis were filtered in the field using a 0.45-micron inline filter prior to collection.

SURROGATE RECOVERIES

A surrogate compound is a compound that is chemically similar to the organic analytes of interest, but unlikely to be found in an environmental sample. Surrogates are used for organic analyses and are added to the samples, standards, and blanks to serve as an accuracy and specificity check of each analysis. The surrogates are added to the samples at a known concentration and percent recoveries (%R) are calculated following analysis. The surrogate recoveries for field samples were within the laboratory control limits.

METHOD BLANKS

Method blanks are analyzed to ensure that laboratory procedures and reagents do not introduce measurable concentrations of the analytes of interest. A method blank was analyzed with each batch of samples, at a frequency of 1 per 20 samples. For each sample batch, method blanks were analyzed at the required frequency. None of the analytes of interest were detected in the method blanks.

MATRIX SPIKES/MATRIX SPIKE DUPLICATES

Since the actual analyte concentration in an environmental sample is not known, the accuracy of a particular analysis is usually inferred by performing a matrix spike (MS) analysis on one sample from the associated batch, known as the parent sample. One aliquot of the sample is analyzed in the normal manner and then a second aliquot of the sample is spiked with a known amount of analyte concentration and analyzed. From these analyses, a %R is calculated. Matrix spike duplicate (MSD) analyses are generally performed for organic analyses as a precision check and analyzed in the same sequence as a matrix spike. Using the results from the MS and MSD, the relative percent difference (RPD) is calculated. The %R control limits for MS and MSD analyses are specified in the laboratory documents, as are the RPD control limits for MS/MSD sample sets.

One MS/MSD analysis should be performed for every analytical batch or every 20 field samples, whichever is more frequent. The frequency requirements for GeoEngineers samples were met for each analysis and the %R and RPD values were within the proper control limits.

LABORATORY CONTROL SAMPLES/LABORATORY CONTROL SAMPLE DUPLICATES

A laboratory control sample (LCS) is a blank sample that is spiked with a known amount of analyte and then analyzed. An LCS is similar to an MS, but without the possibility of matrix interference. Given that matrix interference is not an issue, control limits for accuracy and precision in the LCS and its duplicate (LCSD) are usually more rigorous than for MS/MSD analyses. Additionally, data qualification based on LCS/LCSD analyses would apply to each sample in the associated batch, instead of just the parent sample. The %R control limits for LCS and LCSD analyses are specified in the laboratory documents, as are the RPD control limits for LCS/LCSD sample sets.

One LCS/LCSD analysis should be performed for every analytical batch or every 20 field samples, whichever is more frequent. The frequency requirements were met for each analysis and the %R and RPD values were within the proper control limits.

LABORATORY DUPLICATES

Internal laboratory duplicate analyses are performed to monitor the precision of the analyses. Two separate aliquots of a sample are analyzed as distinct samples in the laboratory and the RPD between the two results is calculated. Duplicate analyses should be performed once per analytical batch. If one or more of the samples used has a concentration less than five times the reporting limit for that sample, the absolute difference is used instead of the RPD. The RPD control limits are specified in the laboratory documents. Laboratory duplicates were analyzed at the proper frequency and the specified acceptance criteria were met.

FIELD DUPLICATES

Field duplicates are similar to laboratory duplicates in that they are used to assess precision. Two samples (parent and duplicate) are created in the field by subsampling the homogenized sample and submitting them to the lab as separate samples. Duplicate samples were collected and analyzed for the same parameters as the associated parent samples. Precision is determined by calculating the RPD between each pair of samples. If one or more of the sample analytes has a concentration less than five times the reporting limit for that sample, then the absolute difference is used instead of the RPD. The RPD control limit for water samples is 35 percent.

■ SDG 2508-156: One field duplicate sample pair, MW-2B-250813 and DUP-1-250813, was submitted with this SDG. The precision criteria for the target analytes were met for this sample pair.

INSTRUMENT TUNING

Instrument tuning for analyses by gas chromatography/mass spectrometry (GC/MS) are completed to ensure that mass resolution, identification, and sensitivity of the analyses are acceptable. Instrument tuning should be performed at the beginning of each 12-hour period during which samples or standards are analyzed. The frequency and specified acceptance criteria were met for each applicable analysis.

INTERNAL STANDARDS (LOW RESOLUTION MASS SPECTROMETRY)

Like the surrogate, an internal standard is a compound that is chemically similar to the analytes of interest, but unlikely to be found in an environmental sample. Internal standards are used only for the mass spectrometry instrumentation and are usually added to the sample aliquot after extraction has taken place. The internal standard should be analyzed at the beginning of a 12-hour sample run and the control limits for internal standard recoveries are 50 percent to 200 percent of the calibration standard. The internal standard recoveries were within the control limits.

INITIAL CALIBRATIONS (ICALS)

The initial calibrations were conducted according to the laboratory methods and consisted of the appropriate number of standards. The relative standard deviation (%RSD) and relative response factors (RRF) were within the internal laboratory control limits, or the control limits stated in the National Functional Guidelines (USEPA 2020a, 2020b).

CONTINUING CALIBRATIONS (CCALS)

The continuing calibrations were conducted according to the laboratory methods and consisted of the appropriate number of standards. The percent difference (%D) and relative response factors (RRF) were within the internal laboratory control limits, or the control limits stated in the National Functional Guidelines (USEPA 2020a, 2020b).

REPORTING LIMITS

The reporting limits were met by the laboratory for the target analytes throughout this sampling event.

Overall Assessment

As was determined by this data validation, the laboratory followed the specified analytical methods. Accuracy was acceptable, as demonstrated by the surrogate, LCS/LCSD, and MS/MSD percent recovery values. Precision was acceptable, as demonstrated by the LCS/LCSD, MS/MSD, and laboratory/field duplicate RPD values.

No analytical results were qualified. The data are acceptable for the intended use.

References

- GeoEngineers, Inc. (GeoEngineers) 2022. Compliance Monitoring and Quality Assurance Project Plan (CMP/QAPP), Dakota Creek Industries, Anacortes, Washington. Prepared for Washington State Department of Ecology on Behalf of Port of Anacortes. GEI File No. 5147-006-16. November 1, 2022.
- U.S. Environmental Protection Agency (USEPA) 2009. "Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use," EPA-540-R-08-005. January 2009.
- U.S. Environmental Protection Agency (USEPA) 2020a. Contract Laboratory Program National Functional Guidelines for Organic Superfund Methods Data Review, EPA-540-R-20-005. November 2020.
- U.S. Environmental Protection Agency (USEPA) 2020b. Contract Laboratory Program National Functional Guidelines for Inorganic Superfund Methods Data Review, EPA-542-R-20-006. November 2020.

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Attachment 4

Historical Groundwater Chemical Analytical Data

Table 1

Historical Groundwater Chemical Analytical Data Dakota Creek Industries Anacortes, Washington

Anacortes, Washington Total																	
					_		tal :als²	Dissolved Metals ² Carcinogenic Polycyclic Aromatic Hydrocarbons ³ (cPAHs)									
Groundwater Monitoring	Date	Sampled		th to Water (Feet)	er Elevation (MLLW)					Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(j,k)fluoranthen	Chrysene	Dibenzo(a,h)anthrace	(d/d)pyrene	Total cPAH TEQ ⁴ (ND=0.5RL)
Well ¹	Sampled	Ву	Units	Depth	Water	Arsenic	Nickel	Arsenic	Nickel	Ben	Ben	Ben	Ben	Chry	Dibe	Inde c,d)ı	Tota (ND:
	09/04/01	Landau	µg/L	N/A	N/A			9.0	10 U	-							-
	10/24/01	Landau	µg/L	N/A	N/A			6.0	2.3	-		-			-		- 4 44 11
	06/05/02 08/19/02	Landau Landau	µg/L µg/L	N/A N/A	N/A N/A	5.0 0.6	3.8 4.2	4.0	2.2	2 U 0.1 U	2 U 0.1 U	2 U 0.1 U	2 U 0.1 U	2 U 0.1 U	2 U 0.1 U	2 U 0.1 U	1.41 U 0.07 U
	11/17/06	Floyd Snider	µg/L	6.21	7.74	3.3	2.1			0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.07 U
	06/17/08	GEI	µg/L	6.36	7.59	4.8	3.2			0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.013 U
MW-1	06/17/08 ⁶	GEI	µg/L	6.36	7.59	4.9	3.3	 15 II		0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.013 U
IVI VV-I	05/23/12 08/16/12	GEI GEI	μg/L μg/L	6.27 6.52	7.68 7.43	17 U 15	8 U 8 U	15 U 15	8 U	0.0095 U 0.0094 U	0.0095 U 0.0094 U	0.0095 U 0.0094 U	0.0095 U 0.0094 U	0.0095 U 0.0094 U	0.0095 U 0.0094 U	0.0095 U 0.0094 U	0.07 U 0.07 U
	11/13/12	GEI	µg/L	6.37	7.58	16 U	5.4	16 U	5 U	0.0095 U	0.0095 U	0.0095 U	0.0095 U	0.0095 U	0.0095 U	0.0095 U	0.07 U
	02/13/13	GEI	μg/L	6.14	7.81	15	8 U	14	8 U	0.0095 U	0.0095 U	0.0095 U	0.0095 U	0.0095 U	0.0095 U	0.0095 U	0.07 U
	02/10/16 08/18/16	GEI GEI	μg/L μg/L	5.98 6.71	7.97 7.24	1.3 9.2		1.2 J 7.8 U									
	08/18/10	GEI	μg/L μg/L	5.81	8.14	11		5.6				_			_		
	08/23/17	GEI	μg/L	6.69	7.26	5.6 U		5.6 U		-							
	09/04/01	Landau	µg/L	N/A	N/A			3.0	10 U	-			-				
	10/24/01 10/24/01	Landau Landau	μg/L μg/L	N/A N/A	N/A N/A		-	0.5 0.5	7.0 0.7	-			-				
MW-2	06/05/02	Landau	μg/L	N/A	N/A	3.0	7.5	3.0	7.5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1.41 U
	06/05/02 ⁶	Landau	µg/L	N/A	N/A	3.0	7.5	3.0	7.5	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1.41 U
	08/19/02 08/19/02 ⁶	Landau Landau	µg/L	N/A N/A	N/A N/A	4.0 2.0	9.9 8.2			0.1 U 0.1 U	0.1 U 0.1 U	0.1 U 0.1 U	0.1 U 0.1 U	0.1 U 0.1 U	0.1 U 0.1 U	0.1 U 0.1 U	0.07 U 0.07 U
	11/17/06	Floyd Snider	μg/L μg/L	6.81	8.26	4.0	3.9			0.1 U	0.1 U	0.1 U	0.1 U	0.0069 J	0.1 U	0.1 U	0.07 0
	11/17/06 ⁶	Floyd Snider	µg/L	6.81	8.26	3.8	3.9			0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.007 U
	06/17/08	GEI	µg/L	7.67	7.4	3.4	2.4			0.03	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.015
	05/23/12 08/16/12	GEI GEI	μg/L μg/L	10.38 10.31	4.69 4.76	12 U 7.5 U	20 U 17	11 U 7.5 U	20 U 16	0.0094 U 0.0095 U	0.0094 U 0.0095 U	0.0094 U 0.0095 U	0.0094 U 0.0095 U	0.0094 U 0.0095 U	0.0094 U 0.0095 U	0.0094 U 0.0095 U	0.007 U 0.007 U
MW-2A	11/13/12	GEI	μg/L μg/L	8.02	7.05	10 U	13	10 U	13	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.007 U
	02/13/13	GEI	µg/L	8.42	6.65	6.0	8 U	7.0	8 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.007 U
	02/10/16	GEI	µg/L									-					
	08/19/16 02/15/17	GEI GEI	μg/L μg/L	9.29 7.84	5.44 6.89	6.0 7.8 U	6.9 7.8 U	6.5 7 U	6.0 7 U			_					
	08/23/17	GEI	μg/L	9.45	5.28	5.6 U	8.2	5 U	8.3				_		-		
	11/28/23	GEI	μg/L	7.21	7.52	7.8 U	9.6	8.0 U	9.1	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.007 U
MW-2B	02/14/24 05/21/24	GEI GEI	μg/L μg/L	7.74 9.22	6.99 5.51	6.9 U 5.6 U	6.9 U 13	6.3 U 5.0 U	6.3 U 5.2	0.0094 U 0.026	0.0094 U 0.024	0.0094 U 0.0095 U	0.0094 U 0.015	0.0094 U 0.016	0.0094 U 0.0095 U	0.0094 U 0.024	0.007 U 0.022
	08/19/24	GEI	μg/L	9.55	5.18	6.9	5.6 U	5.9	5.0 U	0.016	0.017	0.0094 U	0.01	0.0094 U	0.0094 U	0.0094 U	0.014
	08/13/25	GEI	µg/L	8.95	5.78	6.8	5.9	5.3	5.8	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.007 U
	08/13/25 ⁶	GEI	µg/L	8.95	5.78	6.7	5.6	5.1	5.6 10 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.007 U
	09/04/01 09/04/01	Landau Landau	μg/L μg/L	N/A N/A	N/A N/A		-	1.0 2.0	10 U	_							
	10/24/01	Landau	µg/L	N/A	N/A			1 U	2.7	-			-		-		-
MW-3	06/05/02	Landau	µg/L	N/A	N/A	1 U	3.4	0.1 U	0.33	2 U	2 U	2 U	2 U	2 U	2 U	2 U	1.41 U
	08/19/02 11/17/06	Landau Floyd Snider	μg/L μg/L	N/A 4.45	N/A 10.38	1.0 0.9	3.7 1.5	_	-	0.1 U 0.0052 J	0.1 U 0.01 U	0.1 U 0.01 U	0.1 U 0.01 U	0.1 U 0.0065 J	0.1 U 0.01 U	0.1 U 0.01 U	0.07 U 0.007 J
	06/17/08	GEI	μg/L	5.03	9.8	0.8	2.2	-		0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.013 U
	05/23/12	GEI	µg/L	10.55	4.28	4 U	8 U	4.5 U	8 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.007 U
	08/16/12 11/13/12	GEI GEI	µg/L	10.29 7.5	4.54 7.33	7.5 U 8 U	19 18	7.5 U 8 U	18 17	0.0094 U 0.0093 U	0.0094 U 0.0093 U	0.0094 U 0.0093 U	0.0094 U 0.0093 U	0.0094 U 0.0093 U	0.0094 U 0.0093 U	0.0094 U 0.0093 U	0.007 U 0.007 U
	02/13/13	GEI	μg/L μg/L	9.55	5.28	8 U	16	8 U	18	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.007 U
	02/11/16	GEI	µg/L	8.73	6.1	-	0.5 J		0.5 U								-
MW-3A	08/19/16	GEI	μg/L	9.74	5.09	-	7.8 U		7 U	-		-			-	-	
	02/16/17 08/24/17	GEI GEI	µg/L µg/L	9.01 10.06	5.82 4.77		5.6 U 5.6 U		5 U 5 U								
	11/28/23	GEI	µg/L	6.78	8.05	7.8 U	7.8 U	8.0 U	8.0 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.007 U
	02/14/24	GEI	µg/L	9.98	4.85	6.9 U	6.9 U	6.3 U	6.3 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.007 U
	05/21/24 08/19/24	GEI GEI	μg/L μg/L	10.45 10.37	4.38 4.46	5.6 U 5.6 U	6.9 5.6 U	5.0 U 5.0 U	5.0 U 5.0 U	0.0094 U 0.0093 U	0.0094 U 0.0093 U	0.0094 U 0.0093 U	0.0094 U 0.0093 U	0.0094 U 0.0093 U	0.0094 U 0.0093 U	0.0094 U 0.0093 U	0.007 U 0.007 U
	09/04/01	Landau	μg/L	N/A	N/A			17	10 U	-			-		-		
	10/24/01	Landau	µg/L	N/A	N/A	-	-	15	2.7	-			-				
	06/05/02 08/19/02	Landau Landau	µg/L	N/A N/A	N/A N/A	8.0 12	3.4 3.3	9.0	1.1	 0.1 U	 0.1 U	 0.1 U	 0.1 U	 0.1 U	 0.1 U	 0.1 U	 0.07 U
	11/17/06	Floyd Snider	μg/L μg/L	2.55	11.03	11.6	2.0	_	-	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.07 U
	06/17/08	GEI	μg/L	2.98	10.6	8.1	1.1	-		0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.018 U	0.013 U
MW-4	08/16/12	GEI	µg/L	3.04	10.54	9 U	20 U	9.5 U	20 U	0.0095 U	0.0095 U	0.0095 U	0.0095 U	0.0095 U	0.0095 U	0.0095 U	0.007 U
	08/16/12 11/13/12	GEI GEI	µg/L µg/L	4.37 3.31	9.21 10.27	11 10 U	8 U 5 U	10	8 U 5 U	0.0095 U 0.033	0.0095 U 0.02	0.0095 U 0.021	0.0095 U 0.018	0.0095 U 0.021	0.0095 U 0.018	0.0095 U 0.021	0.007 U 0.031
	02/13/13	GEI	μg/L	3.45	10.13	8 U	8 U	8 U	8 U	0.0095 U	0.0095 U	0.0095 U	0.011	0.013	0.0095 U	0.0095 U	0.015
	02/11/16	GEI	µg/L	3.61	9.97	3.5	-	3.5		0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.007 U
	08/18/16 02/15/17	GEI GEI	µg/L	5.43 3.97	8.15 9.61	7.8 U 5.6 U		7.8 U 5 U		0.013 0.0094 U	0.01 U 0.0094 U	0.01 U 0.0094 U	0.01 U 0.0094 U	0.01 U 0.0094 U	0.01 U 0.0094 U	0.01 U 0.0094 U	0.008 0.007 U
- -		GEI	µg/L	5.48		5.6 U		5 U				0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.007 U
	08/24/17	uLi	μg/L	5.40	8.1	5.00		50		0.0094 U	0.0094 U	0.0094 0	0.0094 0	0.0094 0	0.0094 0	0.0094 0	0.007 0



						To			0								
					જ	Met	als²	Dissolve	d Metals ²							ls)	ı
Groundwater Monitoring Well ¹	Date Sampled	Sampled By	Units	Depth to Water (Feet)	Water Elevation (MLLW)	Arsenic	Nickel	Arsenic	Nickel	Benzo(a)anthracene	Benzo(a)pyrene	Benzo(b)fluoranthene	Benzo(j,k)fluoranthen e	Chrysene	Dibenzo(a,h)anthrace ne	Indeno(1,2,3- c,d)pyrene	Total cPAH TEQ ⁴ (ND=0.5RL)
	05/23/12	GEI	μg/L	7.52	4.94	3.5 U	20 U	3 U	20 U	0.01	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.008
	08/16/12	GEI	μg/L	7.52	4.94	7.5 U	18	7.5 U	19	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.007 U
	11/13/12	GEI	µg/L	8.81	3.65 5.86	8 U	18	8 U	18 8 U	0.0092 U	0.0092 U	0.0092 U	0.0092 U	0.0092 U	0.0092 U	0.0092 U	0.007 U
-	02/13/13 02/11/16	GEI GEI	μg/L μg/L	6.6 5.48	6.98	8 U 	0.4 U		0.4 U	0.0093 U 	0.0093 U 	0.0093 U 	0.0093 U 	0.0093 U 	0.0093 U	0.0093 U 	0.007 U
	08/19/16	GEI	μg/L μg/L	7.82	4.64		7.8 U	_	7 U								
MW-6	02/16/17	GEI	μg/L	6.23	6.23		5.6 U		5 U					-	-		
	08/24/17	GEI	μg/L	7.34	5.12		5.6 U		5 U	-				-			
	11/28/23	GEI	μg/L	4.69	7.77	7.8 U	7.8 U	8.0 U	8.0 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.007 U
	11/28/23 ⁵	GEI	μg/L	4.69	7.77	7.8 U	7.8 U	8.0 U	8.0 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.007 U
	02/14/24	GEI	μg/L	7.58	4.88	6.9 U	6.9 U	6.3 U	6.3 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.007 U
	02/14/24 ⁵	GEI	μg/L	7.58	4.88	6.9 U	6.9 U	6.3 U	6.3 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.007 U
	05/24/24	GEI	μg/L	7.8	4.66	5.6 U	5.6 U	5.0 U	5.0 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.007 U
	05/24/24 ⁵	GEI	μg/L	7.8	4.66	5.6 U	5.6 U	5.0 U	5.0 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.0093 U	0.007 U
-	08/19/24 08/19/24 ⁵	GEI GEI	μg/L	8.01 8.01	4.45 4.45	5.6 U 5.6 U	5.6 U 5.6 U	5.0 U 5.0 U	5.0 U 5.0 U	0.0093 U 0.0094 U	0.0093 U 0.0094 U	0.0093 U 0.0094 U	0.0093 U 0.0094 U	0.0093 U 0.0094 U	0.0093 U 0.0094 U	0.0093 U 0.0094 U	0.007 U 0.007 U
	05/23/12	GEI	μg/L μg/L	6.48	6.88	11 U	20 U	9.8 U	20 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.007 U
	08/16/12	GEI	μg/L	6.68	6.68	10	27	7.5 U	27	0.00340	0.0094 U	0.0034 0	0.0094 U	0.00946	0.0094 U	0.0094 U	0.007 0
	11/13/12	GEI	μg/L	6.04	7.32	8 U	18	8 U	19	0.013	0.0097	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.013
N 41A / 7	02/13/13	GEI	μg/L	6.47	6.89	9.0	18	8.0	18	0.0095 U	0.0095 U	0.0095 U	0.0095 U	0.0095 U	0.0095 U	0.0095 U	0.007 U
MW-7	02/10/16	GEI	µg/L	6.46	6.9	12.9	9.9	13	5.2 J								
	08/19/16	GEI	μg/L	6.74	6.62	12	11	11	10					-			
	02/16/17	GEI	μg/L	5.49	7.87	9.2	6.7	7.1	6.6					-			
	08/23/17	GEI	μg/L	6.69	6.67	14	8.8	12	9.3								-
	02/10/16	GEI	μg/L	7.01	6.79	16.6	9.1	16.1	7.4	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.008 U
	02/10/16 ⁵	GEI	μg/L	7.01	6.79	16.1	8.4	16.3	7.8	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.01 U	0.008 U
-	08/18/16 08/18/16 ⁵	GEI GEI	µg/L µg/L	7.71 7.71	6.09 6.09	16 14	7.8 U 7.8 U	15 14	7.8 U 7.8 U	0.01 U 0.01 U	0.01 U 0.01 U	0.01 U 0.01 U	0.01 U 0.01 U	0.01 U 0.01 U	0.01 U 0.01 U	0.01 U 0.01 U	0.008 U 0.008 U
	02/15/17	GEI	μg/L μg/L	6.69	7.11	12	5.6 U	12	7.8 U	0.01 U	0.01 U	0.001 U	0.001 U	0.001 U	0.001 U	0.001 U	0.008 U
	02/15/17 ⁵	GEI	μg/L	6.69	7.11	5.6 U	5.6 U	5 U	5 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.0094 U	0.007 U
MW-8	08/23/17	GEI	μg/L	7.71	6.09	17	6.7	17	5.6 U	0.1	0.12	0.18	0.068	0.14	0.024 U	0.094	0.167
	08/23/17 ⁵	GEI	μg/L	7.71	6.09	17	6.0	15	5.6 U	0.02	0.029	0.042	0.014	0.029	0.0094 U	0.026	0.04
	11/28/23	GEI	μg/L	7.08	6.72	18	7.8 U	14	8.0 U	0.0095 U	0.0095 U	0.0095 U	0.0095 U	0.0095 U	0.0095 U	0.0095 U	0.007 U
	02/14/24	GEI	μg/L	6.72	7.08	16	6.9 U	16	6.3 U	0.0095 U	0.0095 U	0.0095 U	0.0095 U	0.0095 U	0.0095 U	0.0095 U	0.007 U
	05/21/24	GEI	μg/L	7.73	6.07	19	5.6 U	18	5.6 U	0.0096 U	0.0096 U	0.0096 U	0.0096 U	0.0096 U	0.0096 U	0.0096 U	0.007 U
	08/19/24	GEI	μg/L	7.42	6.38	17	5.6 U	19	5.0 U	0.0095 U	0.0095 U	0.0095 U	0.0095 U	0.0095 U	0.0095 U	0.0095 U	0.007 U
	08/13/25	GEI	μg/L	7.79	6.01	18	5.6 U	18	5.0 U	0.0096 U	0.0096 U	0.0096 U	0.0096 U	0.0096 U	0.0096 U	0.0096 U	0.007 U
	Ground	dwater Cleanup	Level			8.0	8.2	8.0	8.2			see cP	AH TEQ				0.01

Notes:

MLLW = Mean Lower Low Water

μg/L = microgram per liter ND = Non-Detect

RL = Reporting Limit

U = Laboratory qualifier indicating analyte not detected at level above listed reporting limit

Bold indicates analyte was detected.

Italics indicates non-detect analyte concentration greater than the Site-Specific Groundwater Cleanup Level.

Shading indicates analyte was detected at a concentration greater than the Site-Specific Groundwater Cleanup Level.

¹ Monitoring well locations shown in Figure 2.

² Total and dissolved metals analyzed by United States Environmental Protection Agency (EPA) Method 200.8.

³ Carcinogenic polycyclic aromatic hydrocarbons (cPAHs) analyzed by EPA method 8270/SIM.

⁴ Total cPAHs calculated using toxic equivalency quotient (TEQ) methodology relative to benzo(a)pyrene. Non-detect cPAH compounds were assigned a value of one half of the reporting limit for these calculations.

 $^{^{\}rm 5}\,{\rm A}$ field duplicate groundwater sample was obtained from this monitoring well.