LAFAYETTE SITE A
1920 TURNBULL AVENUE
BRONX, NEW YORK

Remedial Investigation Report

NYSDEC BCP Number: C203178

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Certifications

I, Frank Cherena, P.G., certify that I am currently a Qualified Environmental Professional as defined in 6 NYCRR Part 375 and that this Remedial Investigation Report was prepared in accordance with all applicable statutes and regulations and in substantial conformance with the DER-10 Technical Guidance for Site Investigation and Remediation, dated May 2010 (DER-10).

Frank Cherena, P.G.		
Qualified Environmental Professional	Date	Signature

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Acronyms

µg/kg ..... Micrograms per Kilogram
µg/L ..... Micrograms per Liter
µg/m^3 ..... Micrograms per Cubic Meter
mg/kg..... Milligrams per Kilogram
4,4'-DDE..... 4,4'-Dichlorodiphenyldichloroethylene
4,4'-DDD..... 4,4-Dichlorodiphenyldichloroethane
4,4'-DDT 4,4-Dichlorodiphenyltrichloroethane
AMI……Area Median Income
AOCs..... Areas of Concern
ASP ..... Analytical Services Protocol
AWQSGVs ..... Ambient Water Quality Standards and Guidance Values
BCA..... Brownfield Cleanup Agreement
BCP ..... Brownfield Cleanup Program
BEEI ..... Bureau of Environmental Exposure Investigation
bls..... Below Land Surface
BOA..... Brownfield Opportunity Areas
CAMP..... Community Air Monitoring Plan
C/D ..... Construction and Demolition
CEH..... Center for Environmental Health
CFR ..... Code of Federal Regulations
COC ..... Contaminants of Concern
CP-51 ..... Commissioner Policy-51
CPP ..... Citizen Participation Plan
CQAP ..... Construction Quality Assurance Plan
CSM ..... Conceptual Site Model
CVOCs ..... Chlorinated Volatile Organic Compounds
cy..... Cubic Yards
DAR..... Division of Air Resources
DCE..... cis-1,2-dichloroethene
DEC..... Department of Environmental Conservation
DER-10..... NYSDEC DER-10 Technical Guidance for Site Investigation and Remediation
DMM..... Division of Materials Management
DO ..... Dissolved Oxygen
DUSR ..... Data Usability Summary Report
EA..... Exposure Assessment
EC ..... Engineering Control
ECL ..... Environmental Conservation Law
EDD..... Electronic Data Deliverable
EDR……..Environmental Database Resources
EJ ..... Environmental Justice
ELAP ..... Environmental Laboratory Approval Program
EM..... Electromagnetic
ESA ..... Environmental Site Assessment
FEMA…… Federal Emergency Management Act
FER ..... Final Engineering Report
Ft ..... Feet/Foot
GPR..... Ground Penetrating Radar
GV……..Guidance Values
HASP..... Health and Safety Plan
HAZWOPER ..... Hazardous Waste Operations and Emergency Response
Hp..... Horsepower
HVAC..... Heating, Ventilation, and Air Conditioning
IC..... Institutional Control

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MEK..... Methyl Ethyl Ketone; 2-butanone
MS/MSD ..... Matrix Spike/Matrix Spike Duplicate
MW ..... Monitoring Well
NG/L ..... Nanograms per Liter
NYCDEP ..... New York City Department of Environmental Protection
NYCDOT ..... New York City Department of Traffic
NYCRR..... New York Codes, Rules, and Regulations
NYSDEC ..... New York State Department of Environmental Conservation
NYSDOH..... New York State Department of Health
NYSDOT ..... New York State Department of Transportation
O&M ..... Operation and Maintenance
ORP..... Oxidation-Reduction Potential
OSHA ..... Occupational Safety and Health Administration
PAHs ..... Polycyclic Aromatic Hydrocarbons
PCBs ..... Polychlorinated Biphenyls
PCE ..... Tetrachloroethene (Perchloroethylene)
PEJA ..... Potential Environmental Justice Area
PDF ..... Portable Document Format
PFAS……Per- and Polyfluoroalkyl Substances
PFOS…….... Perfluorooctanesulfonic acid
PFOA……Perfluorooctanoic acid
PID ..... Photoionization Detector
PPE ..... Personal Protective Equipment
PVC ..... Polyvinyl Chloride
QAPP ..... Quality Assurance Project Plan
QA/QC..... Quality Assurance/Quality Control
RAOs..... Remedial Action Objectives
RAWP..... Remedial Action Work Plan
RI..... Remedial Investigation
RIR ..... Remedial Investigation Report
RIWP……Remedial Investigation Work Plan
SCG..... Standards, Criteria, and Guidance
SCOs..... Soil Cleanup Objectives
SEQRA..... State Environmental Quality Review Act
SMP..... Site Management Plan
SOE..... Support of Excavation
SoMP..... Soil Management Plan
SOP..... Site Operations Plan
SSO..... Site Safety Officer
SVOC ..... Semivolatile Organic Compounds
SWPPP ..... Stormwater Pollution Prevention Plan
TAGM ..... Technical and Administrative Guidance Memorandum
TAL ..... Target Analyte List
TCE ..... Trichloroethene
TCL..... Target Compound List
TCLP ..... Toxicity Characteristics Leaching Procedure
TOGS ..... Technical and Operational Guidance Series
USEPA ..... United States Environmental Protection Agency
USGS ..... United States Geological Survey
VOC..... Volatile Organic Compounds

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Executive Summary

Roux Environmental Engineering and Geology, D.P.C. (Roux), on behalf of GDC Strada Castle Hill JV I LLC (the Volunteer), has prepared this Remedial Investigation Report (RIR) for the property located at 1920 Turnbull Avenue in Bronx, New York (Site), as shown on **Figure 1**. The Site was investigated to prepare for remediation under the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP). The Volunteer executed a Brownfield Cleanup Agreement (BCA) Index No. 203178-06-06 with NYSDEC on June 6, 2025, and the Site was assigned BCP Site number C203178.

The Site address is 1920 Turnbull Avenue, Bronx, New York, and consists of Tax Block 3672, Lot 40 and encompasses approximately 0.266 acres. Previously, the Site was a portion of Block 3672, Lot 20, with an address of 1931 Lafayette Avenue. Former Lot 20 was apportioned into Lots 20 and 40 in September 2025, and as part of the tax lot change, a new address was assigned to the Site: 1920 Turnbull Avenue. A BCA amendment application is currently pending before NYSDEC to revise the Site address and block and lot. As shown on **Figure 2**, the Site is currently utilized as a parking lot for the adjacent offsite multifamily residential building.

The anticipated redevelopment for the Site includes the construction of a 22-story building containing 227 affordable units plus one superintendent unit with one level of below-grade parking, mechanical space, and storage space for the entirety of the building footprint; 60% of units will be supportive housing and the remaining 40% affordable for households earning up to 60% of Area Median Income (AMI). The proposed redevelopment plans, including floor plans for all levels of the proposed building, are included as **Appendix A**.

The anticipated use of the Site is residential, and therefore analytical data generated during the Remedial Investigation (RI) was compared to the Unrestricted Use Soil Cleanup Objectives (UUSCOs), Restricted Residential Use Soil Cleanup Objectives (RRSCOs), and the Protection of Groundwater Soil Cleanup Objectives (PGWSCOs) as defined in the New York Codes, Rules, and Regulations (NYCRR), 6 NYCRR Part 375-6-8(a-b) in order to evaluate achieving a Track 1, Track 2, and/or Track 4 remediation.

This RIR summarizes the findings of the following reports and investigations: March 2024 Phase I Environmental Site Assessment (ESA) prepared by Roux; March 2024 Phase II ESA Summary Letter Report, prepared by Roux; and the July 2024 Supplemental BCP Eligibility Investigation completed by Roux (2024 Supplemental Investigation). The Phase I ESA and Phase II ESA are provided as **Appendix B**. A summary of the 2024 Supplemental Investigation has been previously provided in the NYSDEC-approved Remedial Investigation Work Plan (RIWP), dated September 20, 2025 and is also summarized herein. The soil boring logs and laboratory reports associated with the 2024 Supplemental Investigation are included in **Appendix C**.

The purpose of the RI is to determine the nature and extent of contamination at the Site, fill any potential data gaps in past investigations, characterize environmental media, qualitatively assess the potential exposure of receptors to Site contaminants, and develop any other additional data necessary to support the development of a Remedial Action Work Plan (RAWP).

All work summarized in this RIR was completed in accordance with the NYSDEC-approved RIWP for the Site, dated September 30, 2025, the New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion (SVI) in the State of New York (October 2006, with updates including,

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February 2024) and Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) under NYSDEC's Part 375 Remedial Program dated (April 2023), and complies with all applicable Federal, State, and local laws, regulations, and requirements.

The RI for this Site did not identify fish and wildlife resources, therefore, a fish and wildlife assessment was not necessary to include in this RIR.

Significant Threat

The NYSDEC and NYSDOH have not yet determined if the Site poses a significant threat to human health and the environment.

Site Description/Physical Setting

A Site location map is included as **Figure 1**.

Property Location	
Site Name:	Lafayette Site A
Property Address:	1920 Turnbull Avenue
Property Town, County, State:	Bronx, New York
Property Tax Identification:	Block 3672, Lot 40
Property Topographic Quadrangle:	United States Geological Survey (USGS)-Bronx, New York
Nearest Intersection:	Turnbull Avenue to the north, residential properties and Pugsley Avenue to the east, Lafayette Avenue to the south, and White Plains Road to the west.
Area Description:	The Site is in a mixed-use densely populated area in the Soundview neighborhood of The Bronx, New York. The surrounding area consists of commercial and residential uses.

A map showing an aerial view of the existing conditions is provided as **Figure 2**.

Property Information	
Property Acreage:	0.266-acres
Property Shape:	Square
Property Use:	The Site was most recently utilized as a parking lot for the adjacent offsite multifamily residential building.
Improvements:	The majority of the Site is paved with asphalt and concrete, with limited areas of landscaping.

Summary of Proposed Redevelopment Plan

The anticipated redevelopment for the Site includes the construction of a new building covering the entire footprint of the Site. The development will include the construction of a 22-story mixed-use affordable housing

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development with approximately 228 apartments (including one superintendent's unit) with one level of below-grade parking, mechanical space, and storage space for the entirety of the building footprint; 60% of units will be supportive housing and the remaining 40% affordable for households earning up to 60% of AMI. The redevelopment plans are included in **Appendix A**.

Summary of Environmental Findings

A summary of the following environmental investigations previously conducted at the Site are included below. The Phase I ESA and Phase II ESA were completed for the entirety of former Lot 20. The summaries provided below are specific to this BCP Site (Lafayette Site A), current Lot 40. A formal report was not prepared for the 2024 Supplemental Investigation. This investigation was completed for the purpose of generating data to establish eligibility data as part of BCP Application preparation. A summary of the analytical data from this investigation is included below. The previously completed Phase I ESA and Phase II ESA are included in **Appendix B**. The soil boring logs and laboratory reports associated with the Supplemental BCP Eligibility Investigation are included in **Appendix C**.

- **ASTM Phase I ESA Report**, prepared by Roux, dated March 28, 2024;
- **Phase II ESA Summary Letter Report**, prepared by Roux, dated March 28, 2024; and
- **Supplemental BCP Eligibility Investigation**, completed by Roux in July 2024.

The proposed Site redevelopment plan is considered a restricted residential use, therefore the soil data from the previous investigations have been compared to NYSDEC RRSCOs, UUSCOs, and PGWSCOs in order to develop an appropriate exposure assessment (EA) and RI scope.

Local Geology and Stratigraphy

Based on the field observations during the previously completed investigations and RI implementation, the Site is underlain by fill (consisting of sand, gravel, brick, wood, organics, metal, ceramics, and glass) to maximum depths ranging from 10 to 15 feet below land surface (ft bls). Fill materials overlie grey historical meadow mat deposits of clay and peat. During a geotechnical investigation performed at the Site by Meuser Rutledge Consulting Engineers (MRCE), dated February 12, 2025 (2025 Geotechnical Investigation), geotechnical soil borings reached a maximum depth of 27 to 55.5 ft bls and bedrock was encountered at depths ranging from 40 to 55.5 ft bls. The bedrock underlying the Site is the Hartland Formation consisting of schist and gneiss.

Site Hydrogeologic Setting

According to water-level data collected as part of the RI from the permanent wells on October 30, 2025, the elevation of the water table at the Site ranges from 6.19 feet (ft) to 6.23 ft relative to the North American Vertical Datum of 1988 (NAVD 88), which equates to a groundwater depth of 10.00 ft bls to 11.10 ft bls. Groundwater gauging data collected as part of the RI is summarized in **Table 1**. Groundwater flow is generally to the south.

Soil, Groundwater, and Soil Vapor Quality

A summary of soil, groundwater, and soil vapor analytical data collected during the previously completed investigations and RI implementation are summarized in **Tables 2 through 14**.

- The only volatile organic compound (VOC) detected in soil at a concentration exceeding UUSCOs and PGWSCOs was acetone in three soil samples. No VOCs exceeded RRSCOs in soil samples

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collected from the Site. In groundwater, no VOCs were detected at concentrations exceeding the NYSDEC Ambient Water Quality Standards and Guidance Values (AWQSGVs). Acetone is a typical laboratory artifact, and the detections are not indicative of Site soil conditions.

- Semivolatile organic compounds (SVOCs), almost exclusively polycyclic aromatic hydrocarbons (PAHs), were detected at concentrations above the UUSCOs, RRSCOs, and PGWSCOs in the fill material present across the Site. Additionally, in one sample, M&P cresols, and phenol marginally exceeded the UUSCOs and PGWSCOs. No SVOCs were detected in groundwater samples at concentrations above the AWQSGVs. This data indicates that SVOCs in soil are related to the presence of widespread fill material and are not impacting groundwater.
- Metals were detected in soil at concentrations above the UUSCOs, RRSCOs, and PGWSCOs across the Site. Arsenic, barium, cadmium, chromium, copper, lead, mercury, nickel, silver, and zinc were detected at concentrations above the UUSCOs. Arsenic, barium, cadmium, copper, lead, and mercury were detected at concentrations exceeding their applicable RRSCOs. Some metals were detected at several orders of magnitude higher than the RRSCOs, such as barium, copper, lead, and mercury. Metals contamination is related to the presence of widespread fill material at the Site. Some metals were detected at concentrations above the PGWSCOs in soil, but were not detected in total or dissolved groundwater samples above AWQSGVs, indicating that metals in soil are not a source of groundwater contamination at the Site.
- Polychlorinated biphenyls (PCBs) were not detected in soil or groundwater samples.
- Pesticides were detected at concentrations exceeding the UUSCOs, but none were present in exceedance of their applicable RRSCOs or PGWSCOs, and pesticides were not detected in groundwater. Therefore, pesticides in soil are not a source of groundwater contamination at the Site.
- Per- and Polyfluorinated Substances (PFAS) compounds were not detected above NYSDEC Guidance Values (GVs) in soil samples for Perfluorooctanesulfonic acid (PFOS) and Perfluorooctanoic acid (PFOA). PFOS was not detected in groundwater above the AWQSGVs, however PFOA exceeded in all groundwater samples. Based on concentrations detected during the RI, the presence of PFAS in groundwater is most likely due to background levels of these compounds ubiquitous to the New York City area.
- Petroleum-related and chlorinated VOCs were detected in soil vapor samples at relatively low levels across the Site. The relatively low-level concentrations of petroleum-related and chlorinated VOCs, combined with the absence of these compounds in groundwater and soil, indicate it is unlikely there is an onsite source of soil vapor impacts. Soil vapor intrusion is not a concern for the Site and since the future building foundation will be within the water table and the building will be fully waterproofed, mitigation measures are not proposed.

Qualitative Human Health Exposure Assessment

The following table summarizes the exposure assessment.

Environmental Media and Exposure Route	Human Exposure Assessment
Direct contact with subsurface soils (and incidental ingestion)	• Construction and remedial contractors can come into contact with soil if they complete ground intrusive work at the Site. • During remediation, remedial workers, trespassers, passersby, and utility workers could come into contact with contaminated soil contained in dust through inhalation, incidental ingestion, and dermal contact. Implementation of the Health and Safety Plan (HASP), Community Air Monitoring Plan (CAMP) and dust controls during the remedial action and any future ground intrusive activities will mitigate potential exposures for future occupants of the Site and surrounding neighborhood. • Future building occupant's exposure will be eliminated though addressing contaminated soil as described in the RIR and RAWP. Substantial remedial

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Environmental Media and Exposure Route	Human Exposure Assessment
	excavation will occur to remove on-Site contamination. The proposed remedy will be described in the RAWP and includes addressing impacted soil through excavation to meet the UUSCOs to the extent feasible and the RRSCOs to the extent the UUSCOs cannot be achieved.
Ingestion of groundwater	• Groundwater is not and will not be used for drinking water, as any future buildings proposed on the Site will be connected to the public water supply.
Direct contact with groundwater (and incidental ingestion)	• Remedial workers, trespassers, and utility workers could come into contact with contaminated groundwater through dermal contact and incidental ingestion during ground intrusive work. • Proper personal protective equipment (PPE) and personal hygiene measures, as defined in the HASP, will be required to prevent dermal contact and the potential for incidental ingestion impacted groundwater during construction. • Future exposure to Site groundwater will be eliminated by the presence redevelopment that covers the entire Site.
Inhalation of air (exposures related to soil vapor intrusion)	• Remedial workers, trespassers, and utility workers may be exposed to contaminated soil vapor during ground intrusive activities. • Exposures to workers and passersby during the remedial action and future ground intrusive activities will be reduced or eliminated through implementation of the HASP, CAMP, and odor/vapor controls during construction. • A soil vapor intrusion evaluation will be completed based on the soil vapor data collected on-Site. The evaluation will be summarized in the Final Engineering Report (FER) and include a desktop review of all onsite analytical data relative to the future uses of the property. Soil vapor intrusion is not a concern for the Site and since the future building foundation will be within the water table, mitigation measures are not proposed.

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1. Introduction

Roux Environmental Engineering and Geology, D.P.C. (Roux), on behalf of GDC Strada Castle Hill JV I LLC (Volunteer), has prepared this Remedial Investigation Report (RIR) for the property located at 1920 Turnbull Avenue in Bronx, New York (Site), as shown on **Figure 1**. The Site was investigated to prepare for remediation under the New York State Department of Environmental Conservation (NYSDEC) Brownfield Cleanup Program (BCP). The Volunteer executed a Brownfield Cleanup Agreement (BCA) Index No. 203178-06-06 with NYSDEC on June 6, 2025, and the Site was assigned BCP Site number C203178.

The Site address is 1920 Turnbull Avenue, Bronx, New York, occupies Tax Block 3672 Lot 40 and encompasses approximately 0.266 acres. Previously, the Site was a portion of Block 3672, Lot 20, with an address of 1931 Lafayette Avenue. Former Lot 20 was apportioned into Lots 20 and 40 in September 2025, and as part of the tax lot change, a new address was assigned to the Site: 1920 Turnbull Avenue. A BCA amendment application is currently pending before NYSDEC to revise the Site address and block and lot. As shown on **Figure 2**, the Site is currently utilized as a parking lot for the adjacent offsite multifamily residential building. The majority of the Site is paved with asphalt and concrete, with limited areas of landscaping.

The anticipated redevelopment for the Site includes the construction of a 22-story building containing 227 affordable units plus one superintendent's unit with one level of below-grade parking, mechanical space, and storage space for the entirety of the building footprint; 60% of the units will be supportive housing and the remaining 40% affordable for households earning up to 60% of Area Median Income (AMI). The proposed redevelopment plans are included as **Appendix A**.

The anticipated use of the Site is residential, and therefore analytical data generated during the Remedial Investigation (RI) was compared to the Unrestricted Use Soil Cleanup Objectives (UUSCOs), Restricted Residential Use Soil Cleanup Objectives (RRSCOs), and the Protection of Groundwater Soil Cleanup Objectives (PGWSCOs) as defined in the New York Codes, Rules, and Regulations (NYCRR), 6 NYCRR Part 375-6-8(a-b) in order to evaluate achieving a Track 1, Track 2, and/or Track 4 remediation.

This RIR summarizes the findings of the following reports and investigations: ASTM Phase I Environmental Site Assessment (ESA) Report, prepared by Roux, dated March 28, 2024, Phase II ESA Summary Letter Report, prepared by Roux, dated March 28, 2024, and Supplemental BCP Eligibility Investigation, completed by Roux in July 2024.

The purpose of the RI is to determine the nature and extent of contamination at the Site, fill any potential data gaps in past investigations, characterize environmental media, qualitatively assess the potential exposure of receptors to Site contaminants, and develop any other additional data necessary to support the development of a Remedial Action Work Plan (RAWP).

All work summarized in this RIR was completed in accordance with the NYSDEC-approved Remedial Investigation Work Plan (RIWP) for the Site, dated September 30, 2025, the New York State Department of Health (NYSDOH) Guidance for Evaluating Soil Vapor Intrusion (SVI) in the State of New York (October 2006, with updates including February 2024) and Sampling, Analysis, and Assessment of Per- and Polyfluoroalkyl Substances (PFAS) under NYSDEC's Part 375 Remedial Program dated (April 2023), and complies with all applicable Federal, State, and local laws, regulations, and requirements.

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The RI for this Site did not identify fish and wildlife resources, therefore, a fish and wildlife assessment was not included in this RIR.

1.1 RIR Organization

This RIR contains the following sections:

- Section 2 – Describes the Site, its history, and results of previous environmental investigations;
- Section 3 – Describes the completed RI field work activities;
- Section 4 – Summarizes the RI laboratory analytical results;
- Section 5 – Provides a Conceptual Site Model (CSM) explaining the occurrence of contaminant sources and their fate and transport at the Site in the context of the local Site stratigraphy and hydrogeology;
- Section 6 – Provides a qualitative exposure assessment that evaluates exposures to contaminated media including soil, groundwater, and soil vapor; and
- Section 7 – Provides a summary of the RI.

Tables, figures, plates, and appendices are provided, which summarize all RI investigation locations, analytical data, and results of sampling efforts.

1.2 Site Location and Description

The Site address is 1920 Turnbull Avenue in the Borough of Bronx, New York City and State of New York (**Figure 1**). A tax map is presented as **Figure 3**.

Additional information regarding the Site is provided in the tables below:

Property Location	
Site Name:	Lafayette Site A
Property Address:	1920 Turnbull Avenue
Property Town, County, State:	Bronx, New York
Property Tax Identification:	Block 3672, Lot 40
Property Topographic Quadrangle:	United States Geological Survey (USGS)-Bronx, New York
Nearest Intersection:	Turnbull Avenue to the north, residential properties and Pugsley Avenue to the east, Lafayette Avenue to the south, and White Plains Road to the west.
Area Description:	The Site is in a mixed-use densely populated area in the Soundview neighborhood of The Bronx, New York. The surrounding area consists of commercial and residential uses.

Property Information	
Property Acreage:	0.266-acres
Property Shape:	Square
Property Use:	The Site was most recently utilized as a parking lot for the adjacent offsite multifamily residential building.

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Property Information	
Improvements:	The majority of the Site is paved with asphalt and concrete, with limited areas of landscaping.

1.3 Contemplated Redevelopment Plan

The anticipated redevelopment for the Site includes the construction of a new building covering the entire footprint of the Site. The development will include the construction of a 22-story mixed-use affordable housing development with approximately 228 apartments with one level of below-grade parking, mechanical space, and storage space for the entirety of the building footprint; 60% of units will be supportive housing and the remaining 40% affordable for households earning up to 60% of AMI. The redevelopment plans are included in **Appendix A**.

1.4 Description of Surrounding Property

The Site is bounded by the following properties, as summarized in the table below. Adjacent property owners are shown in **Figure 4** and land use and sensitive receptors around a 0.25 mile radius is shown in **Figure 5**.

Three NYSDEC BCP sites are located in close proximity to the Site. Lafayette Avenue Site B BCP Site #203179 is located directly adjacent to the south of Site and Park Lane Senior BCP Site #C203138 directly adjacent to the east of Site. Adjoining properties and BCP Sites #203179 and #203138 share the same history and contaminants of concern (COCs) as that of the Site related to historical dumping and landfill activities associated with the Soundview Neighborhood of the Bronx, according to the March 28, 2024 Phase I ESA. Stevenson Commons B3 BCP Site #203189 is located approximately 0.16 miles southwest of and downgradient of Site so contamination migration from Stevenson Commons BCP site is unlikely to affect the Site. No other adjoining facilities or upgradient sites of environmental concerns were identified in the March 28, 2024 Phase I ESA.

No upgradient sites of environmental concern were identified in the Environmental Database Resources (EDR) Radius Map. The majority of the surrounding and upgradient listings consisted of minor NY SPILLS and leaking tank cases, which have been closed to the satisfaction of the NYSDEC with no further action required. These listings are not likely to affect the Site.

Adjacent Property Direction	Property Use
North	Commercial strip mall (restaurants, bank, clothing stores, Bronx Community Board #9, hair salon).
South	United States Postal Service, Millenium Art Academy, The Bronx Guild High School, Lafayette Site B (C203179).
East	Park Lane Senior BCP Site (C203138) and Park Lane Apartments Residential Building.
West	Commercial strip mall (grocery store, discount store, clothing stores) and Soundview Academy for Culture and Scholarship. Multifamily residential apartment buildings to the southwest.

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2. Background

The following sections provide pertinent background information, including the documented history of the Site, and the results of previous environmental investigation work conducted at the Site.

2.1 Historical Site Operations

Based on a review of historical aerial photographs and historical topographic maps, the Site was part of an area-wide wetland river system as shown in the 1897 topographic map that was filled in during the mid-1950s to create the Soundview neighborhood of the Bronx. The progression of filling in this area of the Bronx is evidenced through the historical aerial photographs from 1951 through 1974 and is the source of onsite soil contamination identified by prior investigations. In 1974, the Site is depicted as being vacant and appears to be utilized as a parking lot for the adjacent Park Lane Apartments building and has remained a parking lot since. Most recently, the northern portion of the Site was utilized for construction staging and storage of material associated with the adjacent Park Lane redevelopment project.

2.2 Topography/Hydrogeology

The land surface elevation is generally flat across the Site, at approximately 17 feet (ft) North American Vertical Datum of 1988 (NAVD 88). According to water-level data collected as part of the RI from the permanent wells on November 30, 2025, the elevation of the water table surface at the Site ranges from 6.19 ft to 6.23 ft relative to the NAVD 88, which equates to a groundwater depth of 10.00 feet below land surface (ft bls) to 11.10 ft bls. Groundwater gauging data collected as part of the RI is summarized in **Table 1**. Groundwater flow is generally to the south.

2.3 Wetland Areas and Surface Water Bodies

According to the ASTM Phase I ESA prepared by Roux dated March 2024, the Site is not located in, or adjacent to, regulated wetlands. The closest surface water body is the Westchester Creek, located approximately 0.65 miles to the east. The Site does not appear in the 100-year or 500-year flood zones according to online Federal Emergency Management Act (FEMA) maps.

2.4 Soil and Underlying Formation

Based on the field observations during the previously completed investigations and RI implementation, the Site is underlain by fill (consisting of sand, gravel, brick, wood, organics, metal, ceramics, and glass) to maximum depths ranging from 10 to 15 ft bls. Fill materials overlie grey historical meadow mat deposits of clay and peat. During a geotechnical investigation performed at the Site by Meuser Rutledge Consulting Engineers (MRCE), dated February 12, 2025 (2025 Geotechnical Investigation), geotechnical soil borings reached a maximum depth of 27 to 55.5 ft bls and bedrock was encountered at depths ranging from 40 to 55.5 ft bls. The bedrock underlying the Site is the Hartland Formation consisting of schist and gneiss.

2.5 Historical Environmental Reports

A summary of the following environmental investigations previously conducted at the Site are included below. The Phase I ESA and Phase II ESA were completed for the entirety of former Lot 20. The summaries provided below are specific to Site A, current Lot 40. A formal report was not prepared for the 2024 Supplemental Investigation. This investigation was completed for the purpose of generating data to establish

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eligibility data as part of BCP Application preparation. A summary of the analytical data from this investigation is included below. The previously completed Phase I ESA and Phase II ESA are included in **Appendix B**. The soil boring logs and laboratory reports associated with the Supplemental BCP Eligibility Investigation are included in **Appendix C**.

- **ASTM Phase I ESA Report**, prepared by Roux, dated March 28, 2024;
- **Phase II ESA Summary Letter Report**, prepared by Roux, dated March 28, 2024; and
- **Supplemental BCP Eligibility Investigation**, completed by Roux in July 2024.

The proposed Site redevelopment plan is considered a restricted residential use, therefore the soil data from the previous investigations have been compared to NYSDEC RRSCOs, UUSCOs, and PGWSCOs in order to develop an appropriate exposure assessment (EA) and RI scope.

The following subsections present a summary of the previous investigations completed at the Site.

2.5.1 Phase I Environmental Site Assessment Report, prepared by Roux Environmental Engineering and Geology, D.P.C. (Roux), dated March 28, 2024

The following Recognized Environmental Condition (REC) was identified in the Phase I ESA:

- The Presence of Historical Fill Material Impacted with SVOCs and Metals: The Site was historically a part of a single lot associated with the Park Lane Apartment complex, which was subdivided into three separate lots. The Site was historically part of an area-wide wetland river system that was filled `in during the mid-1950s to create the Soundview neighborhood of the Bronx. It is suspected the Site is underlain with historical fill materials that are non-native in nature due to the historical dumping and landfilling activities. Additionally, the suspected historical fill material is presumed to be impacted with metals and semivolatile organic compounds (SVOCs) that were confirmed to be present on the eastern adjoining brownfields site. The adjoining brownfields site (Park Lane Senior – NYSDEC #C203138) and the Site were historically both parking lots with no other confirmed industrial or manufacturing uses, which suggests that the contamination present in the area is associated with the historical filling. Roux conducted a Phase II ESA at the Site in October 2023 that included a soil sampling program that confirmed presence of SVOCs and metals at concentrations exceeding both their respective UUSCOs and RRSCOs.

2.5.2 Phase II Environmental Site Assessment Summary Letter Report, prepared by Roux, dated March 28, 2024

The results of the investigation conducted at Lafayette Site A only are discussed below. Soil, groundwater, and soil vapor analytical results are summarized in **Tables 2** through **14**. Soil and soil vapor analytical results are summarized on **Figures 6** and **7**. Groundwater results from the previous investigations are not provided on a figure since there were no groundwater exceedances detected at the Site.

Soil

A total of four soil samples were collected as part of the Roux 2024 Phase II ESA at the Site and were analyzed for volatile organic compounds (VOCs), SVOCs, metals, pesticides, and polychlorinated biphenyls (PCBs). Fill material was observed at each location to 15 ft bls. Several SVOCs and metals exceeded the UUSCOs, PGWSCOs, and RRSCOs in soil at the Site.

- SVOCs, specifically polycyclic aromatic hydrocarbons (PAHs), exceeded UUSCOs, PGWSCOs, and/or RRSCOs in three soil samples. Exceedances included benzo(a)anthracene (maximum concentration of 8.2 milligram per kilogram (mg/kg) at SB-02 from 6-8 ft bls), benzo(a)pyrene (maximum concentration of 8.2 mg/kg at SB-02 from 6-8 ft bls), benzo(b)fluoranthene (maximum

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concentration of 6.8 mg/kg at SB-02 from 6-8 ft bls), benzo(k)fluoranthene (maximum concentration of 3.8 mg/kg at SB-02 from 6-8 ft bls), chrysene (maximum concentration of 8.0 mg/kg at SB-02 from 6-8 ft bls), dibenz(a,h)anthracene (maximum concentration of 0.89 mg/kg at SB-02 from 6-8 ft bls), and indeno(1,2,3-c,d)pyrene (maximum concentration of 3.9 mg/kg at SB-02 from 6-8 ft bls).

- Metals concentrations exceeded UUSCOs, PGWSCOs, and/or RRSCOs in all four samples. Exceedances included barium (Concentration of 489 mg/kg at only SB-02 from 6-8 ft bls), copper (Concentration of 142 mg/kg at only SB-02 from 6-8 ft bls), lead (maximum concentration of 340 mg/kg at SB-01 from 0-2 ft bls), mercury (maximum concentration of 0.29 mg/kg at SB-01 from 10-12 ft bls), and zinc (maximum concentration of 399 mg/kg at SB-02 from 0-2 ft bls).
- One soil sample exceeded UUSCOs for the pesticide P,P'-DDT (concentration of 0.0042 mg/kg at SB-02 from 0-2 ft bls).

Groundwater

One groundwater sample was analyzed for VOCs, SVOCs, PCBs, metals, and pesticides. There were no exceedances of the NYSDEC Ambient Water Quality Standards and Guidance Values (AWQSGVs).

Soil Vapor

One soil vapor point was installed and sampled during the Phase II ESA. The soil vapor point was installed at 7 ft bls, approximately 4 ft above the observed groundwater level. Petroleum-related VOCs, including benzene (concentration of 4.4 µg/m^3), toluene (concentration of 11 µg/m^3), ethylbenzene (concentration of 4.3 µg/m^3), and xylenes (concentration of 15 µg/m^3), and chlorinated VOCs (CVOCs) including carbon tetrachloride (concentration of 0.26 µg/m^3), methylene chloride (concentration of 1.1 µg/m^3), tetrachloroethylene (concentration of 3.8 µg/m^3), and vinyl chloride (concentration of 0.36 µg/m^3) were detected in the soil vapor sample at low levels.

2.5.3 Supplemental BCP Eligibility Investigation, completed by Roux, July 2024

The Supplemental BCP Eligibility Investigation was performed for the Site in July 2024 to collect additional soil data in an area that was previously inaccessible due to construction staging and storage of material associated with the adjacent Park Lane redevelopment project. Soil, groundwater, and soil vapor analytical results are summarized in **Tables 2** through **14.** Soil and soil vapor analytical results are summarized on **Figures 6** and **7**. Groundwater results from the previous investigations are not provided on a figure since there were no groundwater exceedances detected at the Site.

Soil

A total of six soil samples were collected and analyzed for SVOCs and metals. Soil analytical data exceeding UUSCOs, PGWSCOs, and RRSCOs are summarized below.

- SVOCs, specifically PAHs, exceeded UUSCOs, PGWSCOs, and RRSCOs in two soil samples from 0-2 ft bls. Exceedances included benzo(a)anthracene (concentration of 1.1 mg/kg at only SB-08 from 0-2 ft bls), benzo(a)pyrene (maximum concentration of 1.4 mg/kg at SB-07 from 0-2 ft bls), benzo(b)fluoranthene (maximum concentration of 1.8 mg/kg at SB-07 from 0-2 ft bls), chrysene (concentration of 1.1 mg/kg at only SB-08 from 0-2 ft bls), and indeno(1,2,3-c,d)pyrene (concentration of 1.3 mg/kg at SB-07 from 0-2 ft bls).
- Metals exceeded UUSCOs, PGWSCOs, and RRSCOs in all six soil samples. Exceedances included barium (maximum concentration of 4,060 mg/kg at SB-09 from 0-2 ft bls), copper (maximum concentration of 149 mg/kg at SB-08 from 0-2 ft bls), lead (maximum concentration of 888 mg/kg at SB-07 from 0-2 ft bls), mercury (maximum concentration of 0.83 mg/kg at SB-09 from 0-2 ft bls), and zinc (maximum concentration of 1,650 mg/kg at SB-09 from 0-2 ft bls).

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3. Remedial Investigation Field Activities

The following sections summarize the work completed by Roux and its subcontractors during the RI. The scope of work was completed in accordance with the RIWP dated September 30, 2025, and associated project plans including the Health and Safety Plan (HASP), Quality Assurance Project Plan (QAPP)/Field Sampling Plan (FSP), and Community Air Monitoring Plan (CAMP). Daily and CAMP reports submitted to NYSDEC during RI implementation are included in **Appendix D**. Deviations from the RIWP, including scope modifications, are noted in Section 3.10.

3.1 Objectives

Based on the existing data for the Site, the following objectives were identified

- Further delineate the nature and extent of impacts to soil associated with contaminated fill material at the Site;
- Further delineate the nature and extent of impacts to groundwater; and
- Complete a qualitative human health EA by evaluating the existing potential exposure pathways for Site-related contaminants both on and offsite and based on the reasonably anticipated future land use of the Site and affected offsite areas.

The RI evaluates soil, groundwater, and soil vapor impacts onsite and at the Site property boundaries to provide the basis for remedial action selection and to determine the general potential for offsite impacts. Environmental data collected during the RI will be used to qualitatively assess the potential exposure of receptors to Site contaminants and develop the information necessary to support the development of the RAWP.

To accomplish the objectives stated above, the scope of work for the RI included the following:

- The performance of Site reconnaissance to confirm proposed sampling locations;
- The performance of a geophysical survey to identify any underground anomalies and clear boring locations of potential subsurface obstructions;
- The advancement of eight soil borings, collection of 24 soil samples and two duplicate soil samples for laboratory analysis;
- Installation of three permanent groundwater monitoring wells and collection of three groundwater samples and one duplicate groundwater sample for laboratory analysis;
- Installation of four soil vapor monitoring points and collection of four soil vapor samples, one duplicate soil vapor sample, and one ambient air sample for laboratory analysis;
- The collection of groundwater level measurements and the collection of additional land survey data as needed for developing a groundwater elevation contour map; and
- The performance of a qualitative EA to identify exposure and evaluate contaminant fate and transport.

All data, including analytical data collected during the previous investigations completed by Roux, was produced in accordance with NYSDEC Analytical Services Protocol (ASP) Category B deliverables and was reviewed and validated by Data Validation Services, a party independent of the project team, in a Data Usability Summary Report (DUSR) before being incorporated into the RIR for the Site. All data was submitted to NYSDEC in electronic format, in accordance with DER-10, Section 1.15.

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The overall scope of each component of the RI is discussed in the following subsections. Detailed field sampling procedures were provided in the QAPP/FSP (**Appendix C** of the RIWP). The sampling locations are shown on **Figure 8** and additional information, including intervals sampled and sample rationale, is provided below.

3.2 Site Reconnaissance and Geophysical Survey

Roux performed a preliminary Site reconnaissance. An inspection of the existing Site conditions was conducted to determine final locations of soil borings and monitoring wells based on actual field conditions. A geophysical survey, consisting of ground penetrating radar (GPR) and electromagnetic (EM) scanning was conducted over the entire Site to identify any potential subsurface utilities, conduits, or obstructions. The geophysical survey did not indicate the presence of subsurface utilities or anomalies indicative of underground storage tanks (USTs). A copy of the Geophysical Survey Report is included in **Appendix E.**

3.3 Soil Investigation

A total of 24 soil samples and two duplicate soil samples were collected for laboratory analysis from the eight soil borings that were advanced at the locations shown in **Figure 8** as part of the RI. All borings were advanced to a minimum of 17 ft bls to align with the anticipated redevelopment and remedial excavation depth. Prior to advancement with a drill rig, each boring location was cleared to a depth of 5 ft bls using hand tools (e.g., post-hole digger, shovel, hand-auger, etc.) to verify the absence of utilities. Following completion of utility clearance and the geophysical survey, the soil borings were advanced using a Geoprobe™ direct push drill rig. Soil was collected continuously from land surface to 17 ft bls and sampled as summarized below. Three soil samples from each boring were collected for laboratory analysis. One soil sample was collected from the shallow 0 – 2 ft bls interval, since there was no evidence of contamination (visual or olfactory) to bias the sample toward, a second was collected from the 2-ft interval directly above the water table, and a third was collected from 15 – 17 ft bls, the 2-ft interval directly below the anticipated excavation depth for remediation and building construction.

Soil Boring ID	Target Soil Sample Depth (ft bls)	Rationale	Parameters
ASB-1	0-2	Surface soil samples were collected from below the vegetative cover to properly evaluate exposure pathways.	NYSDEC Part 375 VOCs, SVOCs, pesticides, PCBs, NYSDEC Part 375 metals, hexavalent/trivalent chromium, and total cyanide.
	8-10	Fill in a spatial data gap and evaluate the vertical extent of impacts to soil associated with contaminated historic fill.	NYSDEC Part 375 VOCs, SVOCs, pesticides, PCBs, NYSDEC Part 375 metals, hexavalent/trivalent chromium, total cyanide and Emerging Contaminants[1] (ECs)
	15-17	Fill in a spatial data gap and evaluate the vertical extent of impacts to soil associated with contaminated historic fill.	NYSDEC Part 375 VOCs, SVOCs, pesticides, PCBs, NYSDEC Part 375 metals, hexavalent/trivalent chromium, and total cyanide.
ASB-2	0-2	Surface soil samples were collected from below the vegetative cover to properly evaluate exposure pathways.	NYSDEC Part 375 VOCs, SVOCs, pesticides, PCBs, NYSDEC Part 375 metals, hexavalent/trivalent chromium, and total cyanide.
	8-10	Fill in a spatial data gap and evaluate the vertical extent of impacts to soil associated with contaminated historic fill.	NYSDEC Part 375 VOCs, SVOCs, pesticides, PCBs, NYSDEC Part 375 metals, hexavalent/trivalent chromium, total cyanide and ECs[1]

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Soil Boring ID	Target Soil Sample Depth (ft bls)	Rationale	Parameters
	15-17	Fill in a spatial data gap and evaluate the vertical extent of impacts to soil associated with contaminated historic fill.	NYSDEC Part 375 VOCs, SVOCs, pesticides, PCBs, NYSDEC Part 375 metals, hexavalent/trivalent chromium, and total cyanide.
ASB-3	0-2	Surface soil samples were collected from below the vegetative cover to properly evaluate exposure pathways.	NYSDEC Part 375 VOCs, SVOCs, pesticides, PCBs, NYSDEC Part 375 metals, hexavalent/trivalent chromium, and total cyanide.
	9-11	Fill in a spatial data gap and evaluate the vertical extent of impacts to soil associated with contaminated historic fill.	NYSDEC Part 375 VOCs, SVOCs, pesticides, PCBs, NYSDEC Part 375 metals, hexavalent/trivalent chromium, total cyanide and ECs[1]
	15-17	Fill in a spatial data gap and evaluate the vertical extent of impacts to soil associated with contaminated historic fill.	NYSDEC Part 375 VOCs, SVOCs, pesticides, PCBs, NYSDEC Part 375 metals, hexavalent/trivalent chromium, and total cyanide.
ASB-4	0-2	Surface soil samples were collected from below the vegetative cover to properly evaluate exposure pathways.	NYSDEC Part 375 VOCs, SVOCs, pesticides, PCBs, NYSDEC Part 375 metals, hexavalent/trivalent chromium, and total cyanide.
	7-9	Fill in a spatial data gap and evaluate the vertical extent of impacts to soil associated with contaminated historic fill.	NYSDEC Part 375 VOCs, SVOCs, pesticides, PCBs, NYSDEC Part 375 metals, hexavalent/trivalent chromium, total cyanide and ECs[1]
	15-17	Fill in a spatial data gap and evaluate the vertical extent of impacts to soil associated with contaminated historic fill.	NYSDEC Part 375 VOCs, SVOCs, pesticides, PCBs, NYSDEC Part 375 metals, hexavalent/trivalent chromium, and total cyanide.
ASB-5	0-2	Surface soil samples were collected from below the vegetative cover to properly evaluate exposure pathways.	NYSDEC Part 375 VOCs, SVOCs, pesticides, PCBs, NYSDEC Part 375 metals, hexavalent/trivalent chromium, and total cyanide.
	8-10	Fill in a spatial data gap and evaluate the vertical extent of impacts to soil associated with contaminated historic fill.	NYSDEC Part 375 VOCs, SVOCs, pesticides, PCBs, NYSDEC Part 375 metals, hexavalent/trivalent chromium, total cyanide and ECs[1]
	15-17	Fill in a spatial data gap and evaluate the vertical extent of impacts to soil associated with contaminated historic fill.	NYSDEC Part 375 VOCs, SVOCs, pesticides, PCBs, NYSDEC Part 375 metals, hexavalent/trivalent chromium, and total cyanide.
ASB-6	0-2	Surface soil samples were collected from below the vegetative cover to properly evaluate exposure pathways.	NYSDEC Part 375 VOCs, SVOCs, pesticides, PCBs, NYSDEC Part 375 metals, hexavalent/trivalent chromium, and total cyanide
	8-10	Fill in a spatial data gap and evaluate the vertical extent of impacts to soil associated with contaminated historic fill.	NYSDEC Part 375 VOCs, SVOCs, pesticides, PCBs, NYSDEC Part 375 metals, hexavalent/trivalent chromium, total cyanide and ECs[1]
	15-17	Fill in a spatial data gap and evaluate the vertical extent of impacts to soil associated with contaminated historic fill.	NYSDEC Part 375 VOCs, SVOCs, pesticides, PCBs, NYSDEC Part 375 metals, hexavalent/trivalent chromium, and total cyanide.
ASB-7	0-2	Surface soil samples were collected from below the vegetative cover to properly evaluate exposure pathways.	NYSDEC Part 375 VOCs, SVOCs, pesticides, PCBs, NYSDEC Part 375 metals, hexavalent/trivalent chromium, and total cyanide
	8-10	Fill in a spatial data gap and evaluate the vertical extent of impacts to soil associated with contaminated historic fill.	NYSDEC Part 375 VOCs, SVOCs, pesticides, PCBs, NYSDEC Part 375 metals, hexavalent/trivalent chromium, total cyanide and ECs[1]

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Soil Boring ID	Target Soil Sample Depth (ft bls)	Rationale	Parameters
	15-17	Fill in a spatial data gap and evaluate the vertical extent of impacts to soil associated with contaminated historic fill.	NYSDEC Part 375 VOCs, SVOCs, pesticides, PCBs, NYSDEC Part 375 metals, hexavalent/trivalent chromium, and total cyanide.
ASB-8	0-2	Surface soil samples were collected from below the vegetative cover to properly evaluate exposure pathways.	NYSDEC Part 375 VOCs, SVOCs, pesticides, PCBs, NYSDEC Part 375 metals, hexavalent/trivalent chromium, and total cyanide
	8-10	Fill in a spatial data gap and evaluate the vertical extent of impacts to soil associated with contaminated historic fill.	NYSDEC Part 375 VOCs, SVOCs, pesticides, PCBs, NYSDEC Part 375 metals, hexavalent/trivalent chromium, total cyanide and ECs[1]
	15-17	Fill in a spatial data gap and evaluate the vertical extent of impacts to soil associated with contaminated historic fill.	NYSDEC Part 375 VOCs, SVOCs, pesticides, PCBs, NYSDEC Part 375 metals, hexavalent/trivalent chromium, and total cyanide.

1 - As required by NYSDEC, soil samples were analyzed for the ECs 1,4-Dioxane and PFAS, which include the 41 compounds listed in accordance with the Sampling, Analysis, and Assessment of PFAS under NYSDEC's Part 375 Remedial Programs guidance document (NYSDEC April 2023 PFAS Guidance).

Soil was collected from the sample intervals and for the parameters summarized in the table above. During advancement of borings, the soil was inspected for evidence of contamination (visual and olfactory) and field screened continuously for organic vapors using a photoionization detector (PID) with a 10.6 eV lamp. Soil lithology was recorded according to the Unified Soil Classification System (USCS).

Twenty-four soil samples were collected for laboratory analysis. Two additional blind duplicate soil samples, matrix spike (MS) soil sample, matrix spike duplicate (MSD) soil sample, three field blanks, and three trip blanks were collected for quality assurance/quality control (QA/QC) purposes.

Soil cuttings were returned to boring locations to the extent possible to reduce the quantity of drummed waste. No additional soil as investigation derived waste (IDW) was generated as part of the soil investigation.

3.4 Groundwater Investigation

To characterize onsite groundwater flow and groundwater quality, three permanent monitoring wells were installed for groundwater sampling and analysis. The RI monitoring well locations are provided in **Figure 8**.

The monitoring wells were installed for groundwater sampling and analysis to delineate groundwater contamination, to provide a better understanding of onsite groundwater flow, and to fill groundwater quality data gaps from prior groundwater investigations. The monitoring wells were installed using a Geoprobe™ and constructed with 10 ft of 2-inch diameter, 0.02-inch slot polyvinyl chloride (PVC) screen to bridge the water table. Additional monitoring well design details were provided in the QAPP/FSP in **Appendix E** of the RIWP.

The monitoring wells were developed following installation to establish good hydraulic connection between the well column and the surrounding formation aquifer. On October 30, 2025, 13 days following installation and development, a comprehensive water-level gauging event occurred prior to groundwater sampling to characterize groundwater flow onsite. Groundwater in each well was measured using an electronic oil-water interface probe. Field parameters (e.g., pH, dissolved oxygen, oxidation-reduction potential, turbidity, etc.) were collected using a water quality meter during monitoring well purging, prior to sampling. Field parameters

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were recorded on monitoring well sampling data forms (**Appendix F**). Following purging, a groundwater sample was collected from each newly installed monitoring well.

Three groundwater samples were collected for laboratory analysis. Additionally, one blind duplicate groundwater sample, MS groundwater sample, MSD groundwater sample, field blank, and trip blank were collected for QA/QC purposes. All groundwater samples were analyzed for the following list of parameters:

- NYSDEC Part 375 VOCs via United States Environmental Protection Agency (USEPA) method 8260D;
- NYSDEC Part 375 SVOCs via USEPA method 8270E;
- NYSDEC Part 375 pesticides via USEPA method 8081B;
- NYSDEC Part 375 PCBs via USEPA method 8082A;
- NYSDEC Part 375 total and dissolved metals (including hexavalent chromium, trivalent chromium, and total cyanide) via USEPA method 6020B, 7470A, and 9012B; and
- ECs* via USEPA method 1633.

* As required by NYSDEC, groundwater samples will also be analyzed for the ECs 1,4-Dioxane and PFAS, which include the 41 compounds listed in the NYSDEC April 2023 Guidance.

Groundwater samples were field filtered for metals and both total and dissolved results were reported.

Water generated as part of the well development and purging effort prior to sample collection were drummed, labeled, and stored onsite pending disposal.

3.5 Soil Vapor Investigation

Four soil vapor samples were collected during the RI at the locations shown on **Figure 8**. Soil vapor samples were collected from temporary soil vapor points installed utilizing the Geoprobe direct push drill rig to reach the target sample depth of 2 ft above the observed water table. New Teflon®-lined polyethylene tubing was attached to a 6-inch stainless steel sample screen, at each soil vapor sampling location. The soil vapor points were backfilled with #2 Morie sand to approximately 1-ft above the screen. The remainder of the borehole was backfilled with soil cuttings to grade. A helium tracer gas test was performed on each soil vapor point to ensure the integrity of the vapor point seal prior to sampling in accordance with the procedures outlined in the NYSDOH SVI Guidance.

The vapor samples were collected using pre-cleaned (batch-certified) 6-liter summa canisters with regulators calibrated to collect samples over an eight-hour period. The soil vapor samples were collected for laboratory analysis of VOCs using United States Environmental Protection Agency (USEPA) Method TO-15. One blind duplicate soil vapor sample and one ambient air sample were collected for QA/QC purposes. The soil vapor field sampling forms in **Appendix G**.

3.6 Laboratory Analysis

Soil, groundwater, and soil vapor samples were collected and analyzed for the parameters listed in the above sections. All RI data was produced in accordance with NYSDEC ASP Category B deliverables and was reviewed and validated by Data Validation Services who prepared a DUSR before being incorporated into this RIR. All data was submitted to NYSDEC in electronic format, in accordance with DER10, Section 1.15.

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3.7 Surveying Assessment

All newly installed RI monitoring wells were surveyed by a New York Licensed Surveyor to obtain horizontal and vertical coordinates and grade elevations. Measuring point elevations from newly installed monitoring wells were surveyed to enable groundwater flow contouring. Horizontal coordinates were based upon New York State Plane Coordinate System, Long Island Zone, North American Datum of 1983 (NAD 83) in US Survey Feet. Vertical elevations measured for top-of-casing (measuring point) and grade elevations were referenced to NAVD 88.

3.8 Investigation Derived Waste Disposal

All soil cuttings, which were generated and observed to be free from odor and staining, were returned to the respective borehole. Excess purged groundwater was drummed, labelled, and are staged onsite awaiting proper offsite disposal. Two drums of non-hazardous groundwater were generated. All wastes generated during the RI will be handled, transported, and disposed of in a manner consistent with Federal, State, and local laws and regulations.

3.9 Community Air Monitoring Program

Roux implemented the CAMP during the entire subsurface investigation to prevent offsite migration of VOCs and particulates and protect potential offsite receptors. CAMP was conducted from October 8, 2025 through October 10, 2025, when intrusive activities were completed. The CAMP included the use of two air monitoring stations (one upwind and one downwind), each equipped with one PID and one particulate meter. No exceedances of VOCs or particulates were observed, and there were no required actions taken to mitigate dust or VOC levels at the Site. All CAMP reports were submitted via email to NYSDEC with the daily reports during the RI implementation. Daily and CAMP reports from the RI implementation are provided in **Appendix D**.

3.10 Summary of Deviations from the RIWP

There were no deviations from the RIWP.

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4. Remedial Investigation Results

The following section provides a summary of the geological and hydrogeological findings, and the soil, groundwater, and soil vapor quality data that were generated by Roux during the RI. Data tables with all the data generated during the RI are provided in **Tables 2** through **14**. Soil, groundwater, and soil vapor analytical results are summarized on **Figures 9** through **11**.

4.1 Geological and Hydrogeological Conditions

The following sections provide a description of the geological and hydrogeological findings of the Site as determined by performance of the RI. A hydrogeologic investigation was conducted in an effort to evaluate the subsurface conditions that could influence the nature and extent, possible migration, and remediation of contamination at the Site.

4.1.1 Local Geology and Stratigraphy

Based on the field observations during the previously investigations and RI implementation, the Site is underlain by fill (consisting of sand, gravel, brick, wood, organics, metal, ceramics, and glass) to maximum depths ranging from 10 to 15 ft bls. Fill materials overlie grey historical meadow mat deposits of clay and peat. Soil boring logs of the soil recovered as part of the RI are included in **Appendix H**. During the 2025 Geotechnical Investigation, geotechnical soil borings reached a maximum depth of 27 to 55.5 ft bls and bedrock was encountered at depths ranging from 40 to 55.5 ft bls. The bedrock underlying the Site is the Hartland Formation consisting of schist and gneiss.

4.1.2 Site Hydrogeologic Setting

The land surface elevation is generally flat across the Site, at approximately 17 ft NAVD 88. According to water-level data collected as part of the RI from the permanent wells on October 30, 2025, the elevation of the water table surface at the Site ranges from 6.19 ft to 6.23 ft NAVD 88, which equates to a groundwater depth of 10.00 ft bls to 11.10 ft bls. Groundwater gauging data collected as part of the RI is summarized in **Table 1 and Figure 12**. Groundwater flow is generally to the south.

4.2 Remedial Investigation Sample Results

The following sections summarize soil and groundwater data that was generated by Roux during the RI. Data tables showing the sample data generated during these events are provided in **Tables 2** through **14**.

4.2.1 RI Soil Sampling Results

A total of 24 soil samples, two field duplicates, and two MS/MSD soil samples were analyzed from eight soil boring locations and submitted for laboratory analysis. Site-wide analytical soil data was compared to the following NYSDEC Subpart 375-6 SCOs as noted in the RIWP in order to evaluate Site-wide soil quality and to determine contamination in soil, if present:

- NYSDEC UUSCOs;
- NYSDEC RRSCOs; and
- NYSDEC PGWSCOs.

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Laboratory analytical data generated for soil is summarized in **Tables 2** through **7**. RI soil boring locations with soil sample exceedances of the NYSDEC Subpart 375-6 SCOs are shown on **Figure 9**.

A summary of soil quality results is provided in the below sections.

4.2.1.1 Volatile Organic Compounds in Soil

A summary of the RI only VOC exceedances in the soil samples analyzed is provided below:

VOC Exceedances of SCOs in Soil

Analyte	UUSCO (mg/kg)	Exceedances above UUSCOs	RRSCOs (mg/kg)	Exceedances above RRSCOs	PGWSCOs (mg/kg)	Exceedances above PGWSCOs	Range in Concentration Above SCOs (mg/kg)	Soil Sample with Maximum Detection
Acetone	0.05	3	100	-	0.05	3	0.059 – 0.12	ASB-5 (15-17)

- No exceedances detected

Acetone is a typical laboratory artifact and the detections are not indicative of Site soil conditions.

4.2.1.2 Semivolatile Organic Compounds in Soil

A summary of the RI only SVOC exceedances in the soil samples analyzed is provided below:

SVOC Exceedances of SCOs in Soil

Analyte	UUSCO (mg/kg)	Exceedances above UUSCOs	RRSCOs (mg/kg)	Exceedances above RRSCOs	PGWSCOs (mg/kg)	Exceedances above PGWSCOs	Range in Concentration Above SCOs (mg/kg)	Soil Sample with Maximum Detection (ft bls)
Benzo(A)Anthracene	1	9	1	9	1	9	1.1 – 4.8	ASB-8 (8-10)
Benzo(A)Pyrene	1	9	1	9	22	-	1.1 – 4.3	ASB-8 (8-10)
Benzo(B)Fluoranthene	1	10	1	10	1.7	7	1.3 – 5.7	ASB-8 (8-10)
Benzo(K)Fluoranthene	0.8	3	3.9	-	1.7	1	0.82 – 2	ASB-8 (8-10)
Chrysene	1	9	3.9	2	1	9	1.2 – 4.7	ASB-8 (8-10)
Cresols, M & P	0.33	1	100	-	0.33	1	0.58	ASB-2 (15-17)
Dibenz(A,H)Anthracene	0.33	3	0.33	3	1000	-	0.5 – 0.65	ASB-8 (8-10)
Indeno(1,2,3-C,D)Pyrene	0.5	10	0.5	10	8.2	-	0.54 – 2.6	ASB-8 (8-10)
Phenol	0.33	1	100	-	0.33	1	0.58	ASB-2 (15-17)

-No exceedances detected
Sample counts above include exceedances in the duplicates

The SVOCs, exclusively PAHs, detected in soil are indicative of imported contaminated fill material.

4.2.1.3 Metals in Soil

A summary of the metals exceedances in the soil samples analyzed is provided below:

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Metal Exceedances of SCOs in Soil

Analyte	UUSCO (mg/kg)	Exceedances above UUSCOs	RRSCOs (mg/kg)	Exceedances above RRSCOs	PGWSCOs (mg/kg)	Exceedances above PGWSCOs	Range in Concentration Above SCOs (mg/kg)	Soil Sample with Maximum Detection (ft bls)
Arsenic	13	6	16	3	16	3	13.1 – 17.1	ASB-1 (8-10)
Barium	350	10	400	10	820	4	407 – 3550	ASB-6 (8-10)
Cadmium	2.5	3	4.3	1	7.5	-	2.9 – 4.9	ASB-6 (8-10)
Chromium III	30	5	180	-	-	-	30.4 – 71.6	ASB-3 (9-11)
Chromium, Hexavalent	1	2	110	-	19	-	1.2 – 1.6	ASB-8 (8-10)
Chromium, Total	30	5	180	-	-	-	30.4 – 71.6	ASB-3 (9-11)
Copper	50	14	270	5	1720	1	52 – 8350	ASB-7 (8-10)
Lead	63	23	400	9	450	9	79.1 – 7690	ASB-6 (8-10)
Mercury	0.18	15	0.81	5	0.73	5	0.23 – 18.2	ASB-7 (8-10)
Nickel	30	5	310	-	130	-	32.5 – 78.8	ASB-6 (15-17)
Silver	2	1	180	-	8.3	-	3.4	ASB-3 (9-11)
Zinc	109	24	10000	-	2480	2	114 – 6430	ASB-6 (8-10)

-No exceedances detected/no SCO available
Sample counts above include exceedances in the duplicates

The metals detected in soil are indicative of imported contaminated fill material.

4.2.1.4 Polychlorinated Biphenyls in Soil

There were no PCBs exceedances in the soil samples.

4.2.1.5 Pesticides in Soil

A summary of the RI only pesticides exceedances in the soil samples analyzed is provided below:

Pesticide Exceedances of SCOs in Soil

Analyte	UUSCO (mg/kg)	Exceedances above UUSCOs	RRSCOs (mg/kg)	Exceedances above RRSCOs	PGWSCOs (mg/kg)	Exceedances above PGWSCOs	Range in Concentration Above SCOs (mg/kg)	Soil Sample with Maximum Detection (ft bls)
P,P'-DDD	0.0033	1	13	-	14	-	0.12	ASB-7 (15-17)
P,P'-DDE	0.0033	5	8.9	-	17	-	0.0067 J – 0.2	ASB-7 (15-17)
P,P'-DDT	0.0033	6	7.9	-	136	-	0.0036 JP – 0.19	ASB-7 (15-17)

-No exceedances detected
J – Estimated value
P – Concentration difference between the primary and confirmation column >40%; the lower result is reported

The pesticides detected in soil may be a result of historical pesticide application within the imported contaminated fill material.

4.2.1.6 PFAS in Soil

There were no PFAS exceedances in the soil samples.

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4.2.2 Groundwater Sampling Results

A total of three groundwater samples and one field duplicate groundwater sample were collected during the RI from four permanent groundwater monitoring wells onsite. The Site-wide analytical groundwater data was compared to AWQSGVs for Class GA groundwater as noted in the RIWP in order to evaluate groundwater quality and to determine the contamination in groundwater, if present. However, it should be noted that the groundwater beneath the Site is not currently used as a drinking water source and will not be used in the future because drinking groundwater in New York City is prohibited by local law.

Field parameters measured during groundwater sampling purging activities are provided on field datasheets included in **Appendix F**. The field parameter data was reviewed to evaluate any potential anomalies in general groundwater chemistry that could potentially be influencing the groundwater sampling results. No anomalies were noted and the field parameters measured during purging appear to be consistent with values expected to occur in the natural environment.

Analytes that exceeded NYSDEC PGWSCOs in Site-wide soil were compared to analyte detections in Site-wide groundwater to assess whether, and to what extent, constituents detected in soil are impacting groundwater quality. An evaluation of groundwater detections is provided in the below sections.

Laboratory analytical data generated for groundwater is summarized in **Tables 8** through **13**. RI monitoring well locations with groundwater sample exceedances of the NYSDEC AWQSGVs are shown on **Figure 10**.

A summary of groundwater quality results is provided in the below sections.

4.2.2.1 Volatile Organic Compounds in Groundwater

There were no RI VOC exceedances in the groundwater samples.

4.2.2.2 Semivolatile Organic Compounds in Groundwater

There were no RI SVOC exceedances in the groundwater samples.

4.2.2.3 Metals in Groundwater

There were no RI metals exceedances in the groundwater samples

4.2.2.4 Polychlorinated Biphenyls in Groundwater

PCBs were not detected in any RI groundwater samples.

4.2.2.5 Pesticides in Groundwater

Pesticides were not detected in any RI groundwater samples.

4.2.2.6 PFAS in Groundwater

A summary of the exceedances of the GVs for PFOS and PFOA collected during the RI are provided in the below table:

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PFAS Detections in Groundwater (in nanograms per liter [ng/L]

Analyte	Proposed GVs (ng/L)	Detections Above GVs	Detection Range (ng/L)*	Groundwater Sample with Maximum Detection
Perfluorooctanesulfonic Acid (PFOS)	2.7	4	3.23 – 5.12	AMW-2

Sample counts above include exceedances in the duplicates.

PFAS was not observed in soil above the NYSDEC GVs, and there is no documented use of PFAS at the Site or known historical Site use that would indicate the past use of these compounds. Therefore, the presence of PFAS is due to background levels of these compounds in New York City.

4.2.3 Soil Vapor Sampling Results

Laboratory analytical data generated for soil vapor is summarized in **Table 14**. Soil vapor monitoring point locations with soil vapor detections are shown on **Figure 11**.

A summary of all soil vapor detection from the samples collected during the RI are provided in the table below.

Analyte	Detections	Range in Concentrations (µg/m^3)	Sample with Maximum Detection
1,1,1-Trichloroethane (TCA)	4	0.47 J – 2.2	ASV-4
1,1,2-Trichloro-1,2,2-Trifluoroethane	6	0.59 J – 0.77 J	ASV-2
1,2,4-Trimethylbenzene	3	1 – 12	ASV-2
1,3,5-Trimethylbenzene (Mesitylene)	2	0.94 J – 5.1	ASV-2
1,3-Dichlorobenzene	5	0.93 J – 6.4	ASV-1
2,2,4-Trimethylpentane	6	0.49 J – 3.9	ASV-1
2-Hexanone	3	0.98 J – 1.7 J	ASV-2
4-Ethyltoluene	4	0.6 J – 12	ASV-2
Acetone	6	92 D – 460 D	ASV-2
Benzene	6	0.8 – 11	ASV-3
Butane	6	3.2 – 22	ASV-3
Carbon Disulfide	6	0.79 J – 21	ASV-3
Carbon Tetrachloride	2	0.17 J – 0.49	AAA
Chlorobenzene	1	0.35 J	ASV-1
Chloroform	5	1.3 – 170 D	ASV-4
Cis-1,2-Dichloroethylene	1	0.12 J	ASV-3
Cyclohexane	6	0.48 J – 14	ASV-3
Dichlorodifluoromethane	6	2.6 – 3.5	ASV-1
Ethylbenzene	6	1.1 – 7.8	ASV-2
Isopropanol	6	5.1 J – 48	AAA
m,p-Xylene	6	3.1 – 39	ASV-2
Methyl Ethyl Ketone (2-Butanone)	6	8.6 – 19	ASV-1
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	6	1.1 J – 2.4	ASV-3
N-Heptane	5	2.6 – 25	ASV-1

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Analyte	Detections	Range in Concentrations (µg/m^3)	Sample with Maximum Detection
N-Hexane	6	0.45 J - 18	ASV-1
N-Propylbenzene	2	0.53 J – 2.3	ASV-2
O-Xylene (1,2-Dimethylbenzene)	6	0.89 – 15	ASV-2
Tert-Butyl Alcohol	5	5.4 J – 15	ASV-1
Tetrachloroethylene (PCE)	5	1.1 J – 27	ASV-4
Toluene	6	1.7 – 32	ASV-2
Trichloroethylene (TCE)	2	8.1 – 8.3	ASV-4
Trichlorofluoromethane	6	1.2 – 1.8	ASV-2 & ASV-3

J – Estimated value
D – Concentration of analyte was quantified from diluted analysis; flag only applies to field samples that have detectable concentrations of the analyte

The relatively low-level concentrations of petroleum-related and chlorinated VOCs, combined with the absence of these compounds in groundwater and soil, indicate it is unlikely there is an onsite source of soil vapor impacts. Soil vapor intrusion is not a concern for the Site and since the future building foundation will be within the water table, and that the building will be fully waterproofed, mitigation measures are not proposed.

4.2.4 Data Usability Summary and Field Duplicate Results

Data validation was performed on all data collected during the RI and previously completed investigations to determine whether the data, as presented, meets the Site-specific criteria for data quality and data use. Data qualifiers are included on the data tables. The laboratory reported the results for data in ASP Category B deliverable packages, which are provided as **Appendix I**. An electronic data deliverable (EDD) in the required NYSDEC format was/will be provided by the laboratory. A DUSR, in accordance with Appendix 2B of DER-10, is provided in **Appendix J**.

4.2.5 Investigation Derived Waste

All soil cuttings generated were returned to the borehole. Excess purged groundwater was drummed, labelled, and will be disposed of during the remedial action. Two drums of non-hazardous groundwater were generated. Onsite drums are staged onsite awaiting proper offsite disposal. All waste generated during the RI will be handled, transported, and disposed of in a manner consistent with Federal, State, and local laws and regulations.

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5. Conceptual Site Model

The following section explains the occurrence of contaminants and their fate and transport at the Site in the context of the local Site stratigraphy and hydrogeology.

Based on the soil, groundwater, and soil vapor results discussed in Section 4.2, soil is impacted at the Site, but groundwater and soil vapor are not significantly impacted. The spatial distribution of contaminants of potential concern in various media is shown in **Figures 6** and **7**, and **Figures 9** through **11**.

As discussed in Section 4.2.1 and based on the Site-wide detections and exceedances of UUSCOs, RRSCOs, and PGWSCOs, soil at the Site is impacted with SVOCs (exclusively PAHs) and metals, due to imported fill material materials across the Site. The fill material present across the Site is due to the Site's historical dumping and landfilling activities starting in the 1950s. In general, concentrations of PAHs and metals decrease in samples collected from within the historical meadow mat deposits.

As discussed in Section 4.2.2, groundwater is not significantly impacted. The only groundwater exceedance of the NYSDEC AWQSGVs detected at the Site was PFOS in all three groundwater samples collected. PFAS were not observed in soil above the NYSDEC GVs, and there is no documented use of PFAS at the Site or known historical Site use that would indicate the past use of these compounds. Therefore, the presence of PFAS is due to background levels of these compounds in New York City.

As discussed in Section 4.2.3, soil vapor is not significantly impacted. The relatively low-level concentrations of petroleum-related and chlorinated VOCs, combined with the absence of these compounds in groundwater and soil, indicate it is unlikely there is an onsite source of soil vapor impacts. Soil vapor intrusion is not a concern for the Site and since the future building foundation will be within the water table, and the building will be fully waterproofed, mitigation measures are not proposed.

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6. Qualitative Human Health Exposure Assessment

As described in Appendix 3B of DER-10, *"The overall purpose of the Qualitative Human Health Exposure Assessment (or the exposure assessment) is to evaluate and document how people might be exposed to site related contaminants, and to identify and characterize the potentially exposed population(s) now and under the reasonably anticipated future use of the site."* The following section details the Qualitative Human Health Exposure Assessment based on data collected during the RI.

6.1 Soil Exposure

As described above in Section 4.2.1, soil samples collected during the RI indicated the presence of SVOCs and metals at concentrations above the UUSCOs. An individual could be exposed to these contaminants through direct contact with Site soil during ground intrusive work at the Site. Direct contact without the use of proper PPE and personal hygiene measures could lead to dermal contact and incidental ingestion of these compounds. Since the Site is currently fully paved and will be fully fenced during construction activities, and access is controlled, potential contact with Site soil is restricted to remedial and construction contract workers at the Site performing ground intrusive activities in addition to trespassers and passersby (through potential particulate matter in the air). The general public will not be exposed to direct contact with Site soil. A CAMP and dust control measures (as needed) will be implemented during intrusive activities to minimize the potential for offsite exposures from soil/dust/vapor leaving the Site.

Substantial remedial excavation will occur to remove onsite contaminated soil. The proposed remedy described in the RAWP includes addressing impacted soil through excavation to 15 ft bls to meet the RRSCOs. Achievement of the Track 2 RRSCOs will be the goal and institutional controls (Site Management Plan [SMP] and environmental easement) will be put in place to the extent required to minimize the potential for exposure by direct contact with remaining contamination by both the public and any future construction workers performing ground intrusive activities at the Site.

6.2 Groundwater Exposure

As described above in Section 4.2.2, groundwater samples collected during the RI did not exhibit concentrations above the AWQSGVs. Groundwater is not used for drinking or other potable purposes (the area is connected to the public water supply), and there is no direct contact with or ingestion of groundwater by the general public. Furthermore, no public water supply wells are located in the area surrounding the Site.

Individuals who perform groundwater sampling, or remedial activities may come into contact with contaminated groundwater. Proper PPE and personal hygiene measures will be required to prevent dermal contact and the potential for incidental ingestion of these compounds. Depth to groundwater onsite is 10.00 ft bls to 11.10 ft bls and it is anticipated to be encountered during redevelopment.

The proposed onsite buildings will be serviced by public water supply. Based on this, there is no potential for public exposure by direct contact with contaminated groundwater.

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6.3 Soil Vapor Exposure

As described above in Section 4.2.3, the low-level concentrations of petroleum-related and chlorinated VOCs, combined with the absence of these compounds in groundwater and soil, indicate it is unlikely there is an onsite source of soil vapor impacts. Soil vapor intrusion is not a concern for the Site and since the future building foundation will be within the water table and the building will be fully waterproofed, mitigation measures are not proposed.

Individuals who perform ground intrusive work and passersby during the remedial action may be exposed to contaminated soil vapor. A CAMP and odor/vapor control measures (as needed) will be implemented during intrusive activities to minimize the potential for offsite exposures from vapors leaving the Site during the remedial action.

6.4 Exposure Assessment Summary

The following table summarizes the exposure assessment.

Environmental Media and Exposure Route	Human Exposure Assessment
Direct contact with subsurface soils (and incidental ingestion)	• Construction and remedial contractors can come into contact with soil if they complete ground intrusive work at the Site. • During remediation, remedial workers, trespassers, passersby, and utility workers could come into contact with contaminated soil contained in dust through inhalation, incidental ingestion, and dermal contact. Implementation of the Health and Safety Plan (HASP), Community Air Monitoring Plan (CAMP) and dust controls during the remedial action and any future ground intrusive activities will mitigate potential exposures for future occupants of the Site and surrounding neighborhood. • Future building occupant's exposure will be eliminated though addressing contaminated soil as described in the RIR and RAWP. Substantial remedial excavation will occur to remove on-Site contamination. The proposed remedy will be described in the RAWP and includes addressing impacted soil through excavation to meet the UUSCOs to the extent feasible and the RRSCOs to the extent the UUSCOs cannot be achieved.
Ingestion of groundwater	• Groundwater is not and will not be used for drinking water, as any future buildings proposed on the Site will be connected to the public water supply.
Direct contact with groundwater (and incidental ingestion)	• Remedial workers, trespassers, and utility workers could come into contact with contaminated groundwater through dermal contact and incidental ingestion during ground intrusive work. • Proper PPE and personal hygiene measures, as defined in the HASP, will be required to prevent dermal contact and the potential for incidental ingestion impacted groundwater during construction. • Future exposure to Site groundwater will be eliminated by the presence redevelopment that covers the entire Site.
Inhalation of air (exposures related to soil vapor intrusion)	• Remedial workers, trespassers, and utility workers may be exposed to contaminated soil vapor during ground intrusive activities. • Exposures to workers and passersby during the remedial action and future ground intrusive activities will be reduced or eliminated through implementation of the HASP, CAMP, and odor/vapor controls during construction. • A soil vapor intrusion evaluation will be completed based on the soil vapor data collected on-Site. The evaluation will be summarized in the FER and include a desktop review of all onsite analytical data relative to the future uses of the property. Soil vapor intrusion is not a concern for the Site and since the future building foundation will be within the water table, mitigation measures are not proposed.

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7. Summary

In summary, the data generated during the RI indicate the following about Site-wide conditions:

- Based on the field observations during the RI implementation, the Site is underlain by fill (consisting of sand, gravel, brick, wood, organics, metal, ceramics, and glass) to depths ranging from 10 to 15 ft bls. Fill materials overlie grey historical meadow mat deposits of clay and peat. During the 2025 Geotechnical Investigation, geotechnical soil borings reached a maximum depth of 27 to 55.5 ft bls and bedrock was encountered at depths ranging from 40 to 55.5 ft bls. The bedrock underlying the Site is the Hartland Formation consisting of schist and gneiss.
- According to water-level data collected as part of the RI from the permanent wells on October 30, 2025, the elevation of the water table surface at the Site ranges from 6.19 ft to 6.23 ft relative to the NAVD 88, which equates to a groundwater depth of 10.00 ft bls to 11.10 ft bls. Groundwater flow is generally to the south.
- The only VOC detected in soil at a concentration exceeding UUSCOs and PGWSCOs was acetone in three soil samples. No VOCs exceeded RRSCOs in soil samples collected from the Site. In groundwater, no VOCs were detected at concentrations exceeding the NYSDEC AWQSGVs. Acetone is a typical laboratory artifact, and the detections are not indicative of Site soil conditions.
- SVOCs, almost exclusively PAHs, were detected at concentrations above the UUSCOs, RRSCOs, and PGWSCOs in the fill material present across the Site. Additionally, in one sample, M&P cresols, and phenol marginally exceeded the UUSCOs and PGWSCOs. No SVOCs were detected in groundwater samples at concentrations above the AWQSGVs. This data indicates that SVOCs in soil are related to the presence of widespread fill material and are not impacting groundwater.
- Metals were detected in soil at concentrations above the UUSCOs, RRSCOs, and PGWSCOs across the Site. Arsenic, barium, cadmium, chromium, copper, lead, mercury, nickel, silver, and zinc were detected at concentrations above the UUSCOs. Arsenic, barium, cadmium, copper, lead, and mercury were detected at concentrations exceeding their applicable RRSCOs. Some metals were detected at several orders of magnitude higher than the RRSCOs, such as barium, copper, lead, and mercury. Metals contamination is related to the presence of widespread fill material at the Site. Some metals were detected at concentrations above the PGWSCOs in soil, but were not detected in total or dissolved groundwater samples above AWQSGVs, indicating that metals in soil are not a source of groundwater contamination at the Site.
- PCBs were not detected in soils or groundwater samples.
- Pesticides were detected at concentrations exceeding the UUSCOs, but none were present in exceedance of their applicable RRSCOs or PGWSCOs, and pesticides were not detected in groundwater. Therefore, pesticides in soil are not a source of groundwater contamination at the Site.
- PFAS compounds were not detected above NYSDEC GVs in soil samples PFOS and PFOA. PFOS was not detected in groundwater above the AWQSGVs, however PFOA was in all groundwater samples. Based on concentrations detected during the RI, the presence of PFAS in groundwater is most likely due to background levels of these compounds ubiquitous to the New York City area.
- Petroleum-related and chlorinated VOCs were detected in soil vapor samples at relatively low levels across the Site. The relatively low-level concentrations of petroleum-related and chlorinated VOCs, combined with the absence of these compounds in groundwater and soil, indicate it is unlikely there is an onsite source of soil vapor impacts. Soil vapor intrusion is not a concern for the Site and since the future building foundation will be within the water table, and the building will be fully waterproofed, mitigation measures are not proposed.

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TABLES

1. Groundwater Gauging Data
2. Summary of Volatile Organic Compounds in Soil
3. Summary of Semivolatile Organic Compounds in Soil
4. Summary of Metals in Soil
5. Summary of Polychlorinated Biphenyls in Soil
6. Summary of Pesticides in Soil
7. Summary of Per- and Polyfluoroalkyl Substances in Soil
8. Summary of Volatile Organic Compounds in Groundwater
9. Summary of Semivolatile Organic Compounds in Groundwater
10. Summary of Metals in Groundwater
11. Summary of Polychlorinated Biphenyls in Groundwater
12. Summary of Pesticides in Groundwater
13. Summary of Per- and Polyfluoroalkyl Substances in Groundwater
14. Summary of Volatile Organic Compounds in Soil Vapor

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Table 1. Groundwater Gauging Data, 1920 Turnbull Avenue Site A, Bronx, New York

Monitoring Well Identification	Date	Time	Approximate Top of Casing Elevation (ft-NAVD 88	Depth to Water (ft-btoc)	Depth to Bottom (ft bls)	Groundwater Elevation (ft NAVD 88)
AMW-1	10/30/2025	7:10:00 AM	16.22	10.00	17.20	6.22
AMW-2	10/30/2025	7:00:00 AM	16.33	10.10	18.03	6.23
AMW-3	10/30/2025	7:14:00 AM	17.29	11.10	17.90	6.19

ft = feet
bls = below land surface
btoc = below top of casing
NAVD 88 - North American Vertical Datum of 1988

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Notes Utilized Throughout Tables
Soil Tables
J - Estimated value
U - The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit
P - Concentration difference between the primary and confirmation column >40%. The lower result is reported
T - Indicates that a quality control parameter has exceeded laboratory limits
ft bls - Feet below land surface
FD - Duplicate sample
mg/kg - Milligrams per kilogram
µg/kg - Micrograms per kilogram
NYSDEC - New York State Department of Environmental Conservation
SCO - Soil Cleanup Objectives
-- No SCO available
Bold data indicates that parameter was detected above the NYSDEC Part 375 Unrestricted Use SCO
Shaded data indicates that parameter was detected above the NYSDEC Part 375 Restricted Residential SCO
Red data indicates that parameter was detected above the NYSDEC Part 375 Protection of Groundwater SCO
Groundwater Tables
J - Estimated Value
U - The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit
B - The analyte was found in an associated blank as well as in the sample
FD - Duplicate
NA - Compound was not analyzed for by laboratory
µg/L - Micrograms per liter
ng/L - Nanogram per liter
NYSDEC - New York State Department of Environmental Conservation
AWQSGVs - Ambient Water-Quality Standards and Guidance Values
-- No NYSDEC AWQSGV available
Bold data indicates that parameter was detected above the NYSDEC AWQSGVs
Soil Vapor/Ambient Air
J - Estimated value
U - The analyte was analyzed for, but was not detected above the level of the associated reported quantitation limit
D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte
FD - Duplicate sample
ug/m3 - Micrograms per cubic meter
Bold data indicates that parameter was detected

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Table 2. Summary of Volatile Organic Compounds in Soil, 1920 Turnbull Avenue Site A, Bronx, New York **DRAFT**

			Sample Designation:		SB-1	SB-1	SB-2	SB-2	ASB-1	ASB-1
			Sample Date:		10/03/2023	10/03/2023	10/03/2023	10/04/2023	10/08/2025	10/08/2025
			Sample Depth (ft bls):		0 - 2	10 - 12	0 - 2	6 - 8	0 - 2	8 - 10
			Normal Sample or Field Duplicate:		N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Protection of Groundwater SCO	Units						
1,1,1-Trichloroethane (TCA)	0.68	100	0.68	MG/KG	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	0.0019 U
1,1-Dichloroethane	0.27	26	0.27	MG/KG	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	0.0019 U
1,1-Dichloroethene	0.33	100	0.33	MG/KG	0.0013 U	0.0012 U	0.0012 U	0.0015	0.0011 U	0.0019 U
1,2,4-Trimethylbenzene	3.6	52	3.6	MG/KG	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	0.0019 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	0.0019 U
1,2-Dichloroethane	0.02	3.1	0.02	MG/KG	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	0.0019 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	MG/KG	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	0.0019 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	0.0019 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	0.0019 U
Acetone	**0.05**	100	0.05	MG/KG	0.008 U	0.0073 U	0.0072 U	0.0084 U	0.0092	0.032
Benzene	0.06	4.8	0.06	MG/KG	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	0.0019 U
Carbon Tetrachloride	0.76	2.4	0.76	MG/KG	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	0.0019 U
Chlorobenzene	1.1	100	1.1	MG/KG	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	0.0019 U
Chloroform	0.37	49	0.37	MG/KG	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	0.0019 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	MG/KG	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	0.0019 U
Ethylbenzene	1	41	1	MG/KG	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	0.0019 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	MG/KG	0.0067 U	0.0061 U	0.006 U	0.007 U	0.0057 U	0.0095 U
Methylene Chloride	0.05	100	0.05	MG/KG	0.0027 U	0.0024 U	0.0024 U	0.0028 U	0.0023 U	0.0038 U
N-Butylbenzene	12	100	12	MG/KG	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	0.0019 U
N-Propylbenzene	3.9	100	3.9	MG/KG	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	0.0019 U
Sec-Butylbenzene	11	100	11	MG/KG	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	0.0019 U
T-Butylbenzene	5.9	100	5.9	MG/KG	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	0.0019 U
Tert-Butyl Methyl Ether	0.93	100	0.93	MG/KG	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	0.0019 U
Tetrachloroethylene (PCE)	1.3	19	1.3	MG/KG	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	0.0019 U
Toluene	0.7	100	0.7	MG/KG	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	0.0019 U
Trans-1,2-Dichloroethene	0.19	100	0.19	MG/KG	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	0.0019 U
Trichloroethylene (TCE)	0.47	21	0.47	MG/KG	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	0.0019 U
Vinyl Chloride	0.02	0.9	0.02	MG/KG	0.0013 U	0.0012 U	0.0012 U	0.0014 U	0.0011 U	0.0019 U
Xylenes	0.26	100	1.6	MG/KG	0.0027 U	0.0024 U	0.0024 U	0.0028 U	0.0023 U	0.0038 U

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Table 2. Summary of Volatile Organic Compounds in Soil, 1920 Turnbull Avenue Site A, Bronx, New York

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			Sample Designation:		ASB-1	ASB-2	ASB-2	ASB-2	ASB-3	ASB-3
			Sample Date:		10/08/2025	10/09/2025	10/10/2025	10/10/2025	10/08/2025	10/08/2025
			Sample Depth (ft bls):		15 - 17	0 - 2	8 - 10	15 - 17	0 - 2	9 - 11
			Normal Sample or Field Duplicate:		N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Protection of Groundwater SCO	Units						
1,1,1-Trichloroethane (TCA)	0.68	100	0.68	MG/KG	0.0015 U	0.0011 U	0.0014 U	0.0015 U	0.0011 U	0.0018 U
1,1-Dichloroethane	0.27	26	0.27	MG/KG	0.0015 U	0.0011 UT	0.0014 U	0.0015 U	0.0011 U	0.0018 U
1,1-Dichloroethene	0.33	100	0.33	MG/KG	0.0015 U	0.0011 U	0.0014 U	0.0015 U	0.0011 U	0.0018 U
1,2,4-Trimethylbenzene	3.6	52	3.6	MG/KG	0.0015 U	0.0011 U	0.0014 U	0.0015 U	0.0011 U	0.0018 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.0015 U	0.0011 U	0.0014 U	0.0015 U	0.0011 U	0.0018 U
1,2-Dichloroethane	0.02	3.1	0.02	MG/KG	0.0015 U	0.0011 UT	0.0014 U	0.0015 U	0.0011 U	0.0018 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	MG/KG	0.0015 U	0.0011 U	0.0014 U	0.0015 U	0.0011 U	0.0018 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.0015 U	0.0011 U	0.0014 U	0.0015 U	0.0011 U	0.0018 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.0015 U	0.0011 U	0.0014 U	0.0015 U	0.0011 U	0.0018 U
Acetone	**0.05**	100	0.05	MG/KG	**0.059**	0.0089	0.013	0.03	0.0081	0.011 U
Benzene	0.06	4.8	0.06	MG/KG	0.0015 U	0.0011 U	0.0014 U	0.0015 U	0.0011 U	0.0018 U
Carbon Tetrachloride	0.76	2.4	0.76	MG/KG	0.0015 U	0.0011 U	0.0014 U	0.0015 U	0.0011 U	0.0018 U
Chlorobenzene	1.1	100	1.1	MG/KG	0.0015 U	0.0011 U	0.0014 U	0.0015 U	0.0011 U	0.0018 U
Chloroform	0.37	49	0.37	MG/KG	0.0015 U	0.0011 U	0.0014 U	0.0015 U	0.0011 U	0.0018 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	MG/KG	0.0015 U	0.0011 U	0.0014 U	0.0015 U	0.0011 U	0.0018 U
Ethylbenzene	1	41	1	MG/KG	0.0015 U	0.0011 U	0.0014 U	0.0015 U	0.0011 U	0.0018 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	MG/KG	0.0075	0.0057 U	0.0068 U	0.0056 J	0.0053 U	0.009 U
Methylene Chloride	0.05	100	0.05	MG/KG	0.003 U	0.0023 UT	0.0027 U	0.0031 U	0.0012 J	0.0036 U
N-Butylbenzene	12	100	12	MG/KG	0.0015 U	0.0011 UT	0.0014 U	0.0015 U	0.0011 U	0.0018 U
N-Propylbenzene	3.9	100	3.9	MG/KG	0.0015 U	0.0011 U	0.0014 U	0.0015 U	0.0011 U	0.0018 U
Sec-Butylbenzene	11	100	11	MG/KG	0.0015 U	0.0011 UT	0.0014 U	0.0015 U	0.0011 U	0.0018 U
T-Butylbenzene	5.9	100	5.9	MG/KG	0.0015 U	0.0011 U	0.0014 U	0.0015 U	0.0011 U	0.0018 U
Tert-Butyl Methyl Ether	0.93	100	0.93	MG/KG	0.0015 U	0.0011 U	0.0014 U	0.0015 U	0.0011 U	0.0018 U
Tetrachloroethylene (PCE)	1.3	19	1.3	MG/KG	0.0015 U	0.0011 U	0.0014 U	0.0015 U	0.0011 U	0.0018 U
Toluene	0.7	100	0.7	MG/KG	0.0015 U	0.0011 U	0.0014 U	0.0015 U	0.0011 U	0.0018 U
Trans-1,2-Dichloroethene	0.19	100	0.19	MG/KG	0.0015 U	0.0011 U	0.0014 U	0.0015 U	0.0011 U	0.0018 U
Trichloroethylene (TCE)	0.47	21	0.47	MG/KG	0.0015 U	0.0011 UT	0.0014 U	0.0015 U	0.0011 U	0.0018 U
Vinyl Chloride	0.02	0.9	0.02	MG/KG	0.0015 U	0.0011 UT	0.0014 U	0.0015 U	0.0011 U	0.0018 U
Xylenes	0.26	100	1.6	MG/KG	0.003 U	0.0023 U	0.0027 U	0.0031 U	0.0021 U	0.0036 U

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Table 2. Summary of Volatile Organic Compounds in Soil, 1920 Turnbull Avenue Site A, Bronx, New York

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			Sample Designation:		ASB-3	ASB-4	ASB-4	ASB-4	ASB-5	ASB-5
			Sample Date:		10/08/2025	10/08/2025	10/08/2025	10/08/2025	10/08/2025	10/08/2025
			Sample Depth (ft bls):		15 - 17	0 - 2	7 - 9	15 - 17	0 - 2	0 - 2
			Normal Sample or Field Duplicate:		N	N	N	N	N	FD
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Protection of Groundwater SCO	Units						
1,1,1-Trichloroethane (TCA)	0.68	100	0.68	MG/KG	0.0017 U	0.0011 U	0.0025 U	0.0017 U	0.001 U	0.0011 U
1,1-Dichloroethane	0.27	26	0.27	MG/KG	0.0017 U	0.0011 U	0.0025 U	0.0017 U	0.001 U	0.0011 U
1,1-Dichloroethene	0.33	100	0.33	MG/KG	0.0017 U	0.0011 U	0.0025 U	0.0017 U	0.001 U	0.0011 U
1,2,4-Trimethylbenzene	3.6	52	3.6	MG/KG	0.0017 U	0.0011 U	0.0025 U	0.0017 U	0.001 U	0.0011 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.0017 U	0.0011 U	0.0025 U	0.0017 U	0.001 U	0.0011 U
1,2-Dichloroethane	0.02	3.1	0.02	MG/KG	0.0017 U	0.0011 U	0.0025 U	0.0017 U	0.001 U	0.0011 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	MG/KG	0.0017 U	0.0011 U	0.0025 U	0.0017 U	0.001 U	0.0011 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.0017 U	0.0011 U	0.0025 U	0.0017 U	0.001 U	0.0011 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.0017 U	0.0011 U	0.0025 U	0.0017 U	0.001 U	0.0011 U
Acetone	**0.05**	100	0.05	MG/KG	0.037	0.015	0.023	0.046	0.014	0.013
Benzene	0.06	4.8	0.06	MG/KG	0.0017 U	0.0011 U	0.0025 U	0.0017 U	0.001 U	0.0011 U
Carbon Tetrachloride	0.76	2.4	0.76	MG/KG	0.0017 U	0.0011 U	0.0025 U	0.0017 U	0.001 U	0.0011 U
Chlorobenzene	1.1	100	1.1	MG/KG	0.0017 U	0.0011 U	0.0025 U	0.0017 U	0.001 U	0.0011 U
Chloroform	0.37	49	0.37	MG/KG	0.0017 U	0.0011 U	0.0025 U	0.0017 U	0.001 U	0.0011 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	MG/KG	0.0017 U	0.0011 U	0.0025 U	0.0017 U	0.001 U	0.0011 U
Ethylbenzene	1	41	1	MG/KG	0.0017 U	0.0011 U	0.0025 U	0.0017 U	0.001 U	0.0011 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	MG/KG	0.005 J	0.0056 U	0.012 U	0.0047 J	0.0051 U	0.0055 U
Methylene Chloride	0.05	100	0.05	MG/KG	0.0034 U	0.0022	0.005 U	0.0035 U	0.0021 U	0.0022 U
N-Butylbenzene	12	100	12	MG/KG	0.0017 U	0.0011 U	0.0025 U	0.0017 U	0.001 U	0.0011 U
N-Propylbenzene	3.9	100	3.9	MG/KG	0.0017 U	0.0011 U	0.0025 U	0.0017 U	0.001 U	0.0011 U
Sec-Butylbenzene	11	100	11	MG/KG	0.0017 U	0.0011 U	0.0025 U	0.0017 U	0.001 U	0.0011 U
T-Butylbenzene	5.9	100	5.9	MG/KG	0.0017 U	0.0011 U	0.0025 U	0.0017 U	0.001 U	0.0011 U
Tert-Butyl Methyl Ether	0.93	100	0.93	MG/KG	0.0017 U	0.0011 U	0.0025 U	0.0017 U	0.001 U	0.0011 U
Tetrachloroethylene (PCE)	1.3	19	1.3	MG/KG	0.0017 U	0.0011 U	0.0025 U	0.0017 U	0.001 U	0.0011 U
Toluene	0.7	100	0.7	MG/KG	0.0017 U	0.0011 U	0.0025 U	0.0017 U	0.001 U	0.0011 U
Trans-1,2-Dichloroethene	0.19	100	0.19	MG/KG	0.0017 U	0.0011 U	0.0025 U	0.0017 U	0.001 U	0.0011 U
Trichloroethylene (TCE)	0.47	21	0.47	MG/KG	0.0017 U	0.0011 U	0.0025 U	0.0017 U	0.001 U	0.0011 U
Vinyl Chloride	0.02	0.9	0.02	MG/KG	0.0017 U	0.0011 U	0.0025 U	0.0017 U	0.001 U	0.0011 U
Xylenes	0.26	100	1.6	MG/KG	0.0034 U	0.0022 U	0.005 U	0.0035 U	0.0021 U	0.0022 U

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Table 2. Summary of Volatile Organic Compounds in Soil, 1920 Turnbull Avenue Site A, Bronx, New York

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			Sample Designation:		ASB-5	ASB-5	ASB-6	ASB-6	ASB-6	ASB-7
			Sample Date:		10/08/2025	10/08/2025	10/09/2025	10/10/2025	10/10/2025	10/09/2025
			Sample Depth (ft bls):		8 - 10	15 - 17	0 - 2	8 - 10	15 - 17	0 - 2
			Normal Sample or Field Duplicate:		N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Protection of Groundwater SCO	Units						
1,1,1-Trichloroethane (TCA)	0.68	100	0.68	MG/KG	0.0015 U	0.0025 U	0.001 U	0.0014 U	0.0019 U	0.0011 U
1,1-Dichloroethane	0.27	26	0.27	MG/KG	0.0015 U	0.0025 U	0.001 UT	0.0014 U	0.0019 U	0.0011 UT
1,1-Dichloroethene	0.33	100	0.33	MG/KG	0.0015 U	0.0025 U	0.001 U	0.0014 U	0.0019 U	0.0011 U
1,2,4-Trimethylbenzene	3.6	52	3.6	MG/KG	0.0015 U	0.0025 U	0.001 U	0.0014 U	0.0019 U	0.0011 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.0015 U	0.0025 U	0.001 U	0.0014 U	0.0019 U	0.0011 U
1,2-Dichloroethane	0.02	3.1	0.02	MG/KG	0.0015 U	0.0025 U	0.001 UT	0.0014 U	0.0019 U	0.0011 UT
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	MG/KG	0.0015 U	0.0025 U	0.001 U	0.0014 U	0.0019 U	0.0011 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.0015 U	0.0025 U	0.001 U	0.0014 U	0.0019 U	0.0011 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.0015 U	0.0025 U	0.001 U	0.0014 U	0.0019 U	0.0011 U
Acetone	**0.05**	100	0.05	MG/KG	**0.08**	**0.12**	0.013	0.011	0.026	0.014
Benzene	0.06	4.8	0.06	MG/KG	0.0015 U	0.0025 U	0.001 U	0.0014 U	0.0019 U	0.0011 U
Carbon Tetrachloride	0.76	2.4	0.76	MG/KG	0.0015 U	0.0025 U	0.001 U	0.0014 U	0.0019 U	0.0011 U
Chlorobenzene	1.1	100	1.1	MG/KG	0.0015 U	0.0025 U	0.001 U	0.0014 U	0.0019 U	0.0011 U
Chloroform	0.37	49	0.37	MG/KG	0.0015 U	0.0025 U	0.001 U	0.0014 U	0.0019 U	0.0011 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	MG/KG	0.0015 U	0.0025 U	0.001 U	0.0014 U	0.0019 U	0.0011 U
Ethylbenzene	1	41	1	MG/KG	0.0015 U	0.0025 U	0.001 U	0.0014 U	0.0019 U	0.0011 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	MG/KG	0.012	0.02	0.005 U	0.007 U	0.0097 U	0.0053 U
Methylene Chloride	0.05	100	0.05	MG/KG	0.0031 U	0.005 U	0.002 UT	0.0028 U	0.0039 U	0.0021 UT
N-Butylbenzene	12	100	12	MG/KG	0.0015 U	0.0025 U	0.001 UT	0.0014 U	0.0019 U	0.0011 UT
N-Propylbenzene	3.9	100	3.9	MG/KG	0.0015 U	0.0025 U	0.001 U	0.0014 U	0.0019 U	0.0011 U
Sec-Butylbenzene	11	100	11	MG/KG	0.0015 U	0.0025 U	0.001 UT	0.0014 U	0.0019 U	0.0011 UT
T-Butylbenzene	5.9	100	5.9	MG/KG	0.0015 U	0.0025 U	0.001 U	0.0014 U	0.0019 U	0.0011 U
Tert-Butyl Methyl Ether	0.93	100	0.93	MG/KG	0.0015 U	0.0025 U	0.001 U	0.0014 U	0.0019 U	0.0011 U
Tetrachloroethylene (PCE)	1.3	19	1.3	MG/KG	0.0015 U	0.0025 U	0.001 U	0.0014 U	0.0019 U	0.0011 U
Toluene	0.7	100	0.7	MG/KG	0.0015 U	0.0025 U	0.001 U	0.0014 U	0.0019 U	0.0011 U
Trans-1,2-Dichloroethene	0.19	100	0.19	MG/KG	0.0015 U	0.0025 U	0.001 U	0.0014 U	0.0019 U	0.0011 U
Trichloroethylene (TCE)	0.47	21	0.47	MG/KG	0.0015 U	0.0025 U	0.001 UT	0.0014 U	0.0019 U	0.0011 UT
Vinyl Chloride	0.02	0.9	0.02	MG/KG	0.0015 U	0.0025 U	0.001 UT	0.0014 U	0.0019 U	0.0011 UT
Xylenes	0.26	100	1.6	MG/KG	0.0031 U	0.005 U	0.002 U	0.0028 U	0.0039 U	0.0021 U

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Table 2. Summary of Volatile Organic Compounds in Soil, 1920 Turnbull Avenue Site A, Bronx, New York **DRAFT**

			Sample Designation:		ASB-7	ASB-7	ASB-8	ASB-8	ASB-8	ASB-8
			Sample Date:		10/10/2025	10/10/2025	10/09/2025	10/10/2025	10/10/2025	10/10/2025
			Sample Depth (ft bls):		8 - 10	15 - 17	0 - 2	8 - 10	15 - 17	15 - 17
			Normal Sample or Field Duplicate:		N	N	N	N	N	FD
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Protection of Groundwater SCO	Units						
1,1,1-Trichloroethane (TCA)	0.68	100	0.68	MG/KG	0.0019 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0015 U
1,1-Dichloroethane	0.27	26	0.27	MG/KG	0.0019 U	0.0013 U	0.0012 UT	0.0014 U	0.0011 U	0.0015 U
1,1-Dichloroethene	0.33	100	0.33	MG/KG	0.0019 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0015 U
1,2,4-Trimethylbenzene	3.6	52	3.6	MG/KG	0.0019 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0015 U
1,2-Dichlorobenzene	1.1	100	1.1	MG/KG	0.0019 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0015 U
1,2-Dichloroethane	0.02	3.1	0.02	MG/KG	0.0019 U	0.0013 U	0.0012 UT	0.0014 U	0.0011 U	0.0015 U
1,3,5-Trimethylbenzene (Mesitylene)	8.4	52	8.4	MG/KG	0.0019 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0015 U
1,3-Dichlorobenzene	2.4	49	2.4	MG/KG	0.0019 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0015 U
1,4-Dichlorobenzene	1.8	13	1.8	MG/KG	0.0019 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0015 U
Acetone	**0.05**	100	0.05	MG/KG	0.015	0.017	0.0071 U	0.0083 U	0.023	0.025
Benzene	0.06	4.8	0.06	MG/KG	0.0019 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0015 U
Carbon Tetrachloride	0.76	2.4	0.76	MG/KG	0.0019 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0015 U
Chlorobenzene	1.1	100	1.1	MG/KG	0.0019 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0015 U
Chloroform	0.37	49	0.37	MG/KG	0.0019 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0015 U
Cis-1,2-Dichloroethylene	0.25	100	0.25	MG/KG	0.0019 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0015 U
Ethylbenzene	1	41	1	MG/KG	0.0019 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0015 U
Methyl Ethyl Ketone (2-Butanone)	0.12	100	0.12	MG/KG	0.0093 U	0.0064 U	0.0059 U	0.0069 U	0.0035 J	0.006 J
Methylene Chloride	0.05	100	0.05	MG/KG	0.0021 J	0.0026 U	0.0024 UT	0.0028 U	0.0022 U	0.0031 U
N-Butylbenzene	12	100	12	MG/KG	0.0019 U	0.0013 U	0.0012 UT	0.0014 U	0.0011 U	0.0015 U
N-Propylbenzene	3.9	100	3.9	MG/KG	0.0019 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0015 U
Sec-Butylbenzene	11	100	11	MG/KG	0.0019 U	0.0013 U	0.0012 UT	0.0014 U	0.0011 U	0.0015 U
T-Butylbenzene	5.9	100	5.9	MG/KG	0.0019 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0015 U
Tert-Butyl Methyl Ether	0.93	100	0.93	MG/KG	0.0019 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0015 U
Tetrachloroethylene (PCE)	1.3	19	1.3	MG/KG	0.00085 J	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0015 U
Toluene	0.7	100	0.7	MG/KG	0.00051 J	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0015 U
Trans-1,2-Dichloroethene	0.19	100	0.19	MG/KG	0.0019 U	0.0013 U	0.0012 U	0.0014 U	0.0011 U	0.0015 U
Trichloroethylene (TCE)	0.47	21	0.47	MG/KG	0.0019 U	0.0013 U	0.0012 UT	0.0014 U	0.0011 U	0.0015 U
Vinyl Chloride	0.02	0.9	0.02	MG/KG	0.0019 U	0.0013 U	0.0012 UT	0.0014 U	0.0011 U	0.0015 U
Xylenes	0.26	100	1.6	MG/KG	0.0037 U	0.0026 U	0.0024 U	0.0028 U	0.00022 J	0.0031 U

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Table 3. Summary of Semivolatile Organic Compounds in Soil, 1920 Turnbull Avenue Site A, Bronx, New York

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			Sample Designation:		SB-1	SB-1	SB-2	SB-2	SB-7	SB-7
			Sample Date:		10/03/2023	10/03/2023	10/03/2023	10/04/2023	07/03/2024	07/03/2024
			Sample Depth (ft bls):		0 - 2	10 - 12	0 - 2	6 - 8	0 - 2	9 - 11
			Normal Sample or Field Duplicate:		N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Protection of Groundwater SCO	Units						
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.033 U	0.034 U	0.033 U	0.034 U	0.19 U	0.036 U
2-Methylphenol (O-Cresol)	0.33	100	0.33	MG/KG	0.33 U	0.34 U	0.33 U	0.34 U	1.9 U	0.36 U
Acenaphthene	20	100	98	MG/KG	0.024 J	0.54	0.33 U	1.3	1.9 U	0.016 J
Acenaphthylene	100	100	107	MG/KG	0.15 J	0.048 J	0.031 J	0.16 J	0.72 J	0.1 J
Anthracene	100	100	1000	MG/KG	0.17 J	1.3	0.053 J	4.6	0.19 J	0.097 J
Benzo(A)Anthracene	**1**	1	1	MG/KG	0.77	**2.8**	0.32	**8.2**	0.59	0.41
Benzo(A)Pyrene	**1**	1	22	MG/KG	0.79	**2.7**	0.3	**8.2**	**1.4**	0.41
Benzo(B)Fluoranthene	**1**	1	1.7	MG/KG	0.93	**3.2**	0.38	**6.8**	**1.8**	0.56
Benzo(G,H,I)Perylene	100	100	1000	MG/KG	0.55	1.6	0.16 J	2.9	1.4 J	0.27 J
Benzo(K)Fluoranthene	**0.8**	3.9	1.7	MG/KG	0.33	**1.2**	0.14	**3.8**	0.57	0.22
Chrysene	**1**	3.9	1	MG/KG	0.83	**2.6**	0.31 J	**8**	0.81 J	0.44
Cresols, M & P	**0.33**	100	0.33	MG/KG	0.33 U	0.34 U	0.33 U	0.34 U	1.9 U	0.36 U
Dibenz(A,H)Anthracene	**0.33**	0.33	1000	MG/KG	0.14	**0.41**	0.055	**0.89**	0.25	0.067
Dibenzofuran	7	59	210	MG/KG	0.019 J	0.25 J	0.33 U	0.74	1.9 U	0.014 J
Fluoranthene	100	100	1000	MG/KG	1.3	5.9	0.46	14	1.3 J	0.74
Fluorene	30	100	386	MG/KG	0.028 J	0.49	0.33 U	1.5	0.06 J	0.017 J
Hexachlorobenzene	0.33	1.2	3.2	MG/KG	0.033 U	0.034 U	0.033 U	0.034 U	0.19 U	0.036 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	0.5	8.2	MG/KG	**0.6**	**1.9**	0.19	**3.9**	**1.3**	0.27
Naphthalene	12	100	12	MG/KG	0.014 J	0.16 J	0.33 U	0.32 J	0.1 J	0.016 J
Pentachlorophenol	0.8	6.7	0.8	MG/KG	0.27 U	0.27 U	0.27 U	0.28 U	1.6 U	0.29 U
Phenanthrene	100	100	1000	MG/KG	0.79	4.5	0.18 J	9.5	0.66 J	0.39
Phenol	**0.33**	100	0.33	MG/KG	0.33 U	0.34 U	0.33 U	0.34 U	1.9 U	0.36 U
Pyrene	100	100	1000	MG/KG	1.4	5.5	0.43	12	1.1 J	0.71

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Table 3. Summary of Semivolatile Organic Compounds in Soil, 1920 Turnbull Avenue Site A, Bronx, New York

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			Sample Designation:		SB-8	SB-8	SB-9	SB-9	ASB-1	ASB-1
			Sample Date:		07/03/2024	07/03/2024	07/03/2024	07/03/2024	10/08/2025	10/08/2025
			Sample Depth (ft bls):		0 - 2	9 - 11	0 - 2	9 - 11	0 - 2	8 - 10
			Normal Sample or Field Duplicate:		N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Protection of Groundwater SCO	Units						
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.039 U	0.037 U	0.042 U	0.037 U	0.036 U	0.04 U
2-Methylphenol (O-Cresol)	0.33	100	0.33	MG/KG	0.39 U	0.37 U	0.42 U	0.37 U	0.36 U	0.4 U
Acenaphthene	20	100	98	MG/KG	0.21 J	0.37 U	0.018 J	0.37 U	0.36 U	0.015 J
Acenaphthylene	100	100	107	MG/KG	0.023 J	0.033 J	0.42 U	0.37 U	0.36 U	0.4 U
Anthracene	100	100	1000	MG/KG	0.47	0.038 J	0.053 J	0.37 U	0.012 J	0.045 J
Benzo(A)Anthracene	**1**	1	1	MG/KG	**1.1**	0.3	0.17	0.04	0.1	0.13
Benzo(A)Pyrene	**1**	1	22	MG/KG	**1.1**	0.32	0.16	0.032 J	0.1	0.11
Benzo(B)Fluoranthene	**1**	1	1.7	MG/KG	**1.2**	0.43	0.2	0.047	0.14	0.14
Benzo(G,H,I)Perylene	100	100	1000	MG/KG	0.73	0.23 J	0.1 J	0.025 J	0.039 J	0.078 J
Benzo(K)Fluoranthene	**0.8**	3.9	1.7	MG/KG	0.43	0.16	0.085	0.019 J	0.042	0.062
Chrysene	**1**	3.9	1	MG/KG	**1.1**	0.32 J	0.16 J	0.034 J	0.1 J	0.12 J
Cresols, M & P	**0.33**	100	0.33	MG/KG	0.39 U	0.37 U	0.42 U	0.37 U	0.36 U	0.4 U
Dibenz(A,H)Anthracene	**0.33**	0.33	1000	MG/KG	0.15	0.071	0.027 J	0.037 U	0.036 U	0.019 J
Dibenzofuran	7	59	210	MG/KG	0.16 J	0.37 U	0.42 U	0.37 U	0.36 U	0.4 U
Fluoranthene	100	100	1000	MG/KG	2.1	0.42	0.32 J	0.044 J	0.15 J	0.26 J
Fluorene	30	100	386	MG/KG	0.24 J	0.37 U	0.017 J	0.37 U	0.36 U	0.016 J
Hexachlorobenzene	0.33	1.2	3.2	MG/KG	0.039 U	0.037 U	0.042 U	0.037 U	0.036 U	0.04 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	0.5	8.2	MG/KG	**0.63**	0.24	0.094	0.023 J	0.047	0.084
Naphthalene	12	100	12	MG/KG	0.19 J	0.009 J	0.016 J	0.016 J	0.36 U	0.4 U
Pentachlorophenol	0.8	6.7	0.8	MG/KG	0.31 U	0.3 U	0.34 U	0.29 U	0.29 U	0.32 U
Phenanthrene	100	100	1000	MG/KG	1.8	0.16 J	0.18 J	0.03 J	0.038 J	0.16 J
Phenol	**0.33**	100	0.33	MG/KG	0.39 U	0.37 U	0.42 U	0.37 U	0.36 U	0.4 U
Pyrene	100	100	1000	MG/KG	2.3	0.41	0.26 J	0.046 J	0.14 J	0.23 J

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Table 3. Summary of Semivolatile Organic Compounds in Soil, 1920 Turnbull Avenue Site A, Bronx, New York

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			Sample Designation:		ASB-1	ASB-2	ASB-2	ASB-2	ASB-3	ASB-3
			Sample Date:		10/08/2025	10/09/2025	10/10/2025	10/10/2025	10/08/2025	10/08/2025
			Sample Depth (ft bls):		15 - 17	0 - 2	8 - 10	15 - 17	0 - 2	9 - 11
			Normal Sample or Field Duplicate:		N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Protection of Groundwater SCO	Units						
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.05 U	0.036 U	0.034 U	0.039 U	0.034 U	0.041 U
2-Methylphenol (O-Cresol)	0.33	100	0.33	MG/KG	0.5 U	0.36 U	0.34 U	0.096 J	0.019 J	0.41 U
Acenaphthene	20	100	98	MG/KG	0.5 U	0.059 J	0.019 J	0.023 J	1.7	0.4 J
Acenaphthylene	100	100	107	MG/KG	0.5 U	0.12 J	0.043 J	0.2 J	0.2 J	0.014 J
Anthracene	100	100	1000	MG/KG	0.5 U	0.23 J	0.14 J	0.14 J	3	0.95
Benzo(A)Anthracene	**1**	1	1	MG/KG	0.05 U	0.97	0.51	0.39	**4.5**	**1.8**
Benzo(A)Pyrene	**1**	1	22	MG/KG	0.022 J	0.97	0.46	0.3	**3.8**	**1.6**
Benzo(B)Fluoranthene	**1**	1	1.7	MG/KG	0.027 J	**1.3**	0.64	0.46	**4.7**	**2.2**
Benzo(G,H,I)Perylene	100	100	1000	MG/KG	0.5 U	0.48	0.28 J	0.17 J	2.1	0.57
Benzo(K)Fluoranthene	**0.8**	3.9	1.7	MG/KG	0.014 J	0.45	0.22	0.17	**1.6**	**0.82**
Chrysene	**1**	3.9	1	MG/KG	0.026 J	1	0.48	0.44	**4**	**1.7**
Cresols, M & P	**0.33**	100	0.33	MG/KG	0.5 U	0.36 U	0.34 U	**0.58**	0.043 J	0.41 U
Dibenz(A,H)Anthracene	**0.33**	0.33	1000	MG/KG	0.05 U	0.14	0.075	0.042	**0.55**	0.18
Dibenzofuran	7	59	210	MG/KG	0.5 U	0.034 J	0.025 J	0.039 J	1.1	0.18 J
Fluoranthene	100	100	1000	MG/KG	0.047 J	1.9	0.85	0.93	10	3.8
Fluorene	30	100	386	MG/KG	0.5 U	0.055 J	0.024 J	0.058 J	1.3	0.41
Hexachlorobenzene	0.33	1.2	3.2	MG/KG	0.05 U	0.036 U	0.034 U	0.039 U	0.034 U	0.041 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	0.5	8.2	MG/KG	0.05 U	**0.54**	0.27	0.18	**2.5**	**0.69**
Naphthalene	12	100	12	MG/KG	0.5 U	0.055 J	0.03 J	0.76	1.1	0.15 J
Pentachlorophenol	0.8	6.7	0.8	MG/KG	0.41 U	0.29 U	0.27 U	0.32 U	0.28 U	0.33 U
Phenanthrene	100	100	1000	MG/KG	0.5 U	1	0.46	0.35 J	12	2.8
Phenol	**0.33**	100	0.33	MG/KG	0.5 U	0.36 U	0.34 U	**0.59**	0.021 J	0.41 U
Pyrene	100	100	1000	MG/KG	0.046 J	1.7	0.77	0.83	8.6	3

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Table 3. Summary of Semivolatile Organic Compounds in Soil, 1920 Turnbull Avenue Site A, Bronx, New York

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			Sample Designation:		ASB-3	ASB-4	ASB-4	ASB-4	ASB-5	ASB-5
			Sample Date:		10/08/2025	10/08/2025	10/08/2025	10/08/2025	10/08/2025	10/08/2025
			Sample Depth (ft bls):		15 - 17	0 - 2	7 - 9	15 - 17	0 - 2	0 - 2
			Normal Sample or Field Duplicate:		N	N	N	N	N	FD
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Protection of Groundwater SCO	Units						
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.049 U	0.035 U	0.037 U	0.047 U	0.035 U	0.035 U
2-Methylphenol (O-Cresol)	0.33	100	0.33	MG/KG	0.49 U	0.35 U	0.37 U	0.47 U	0.35 U	0.35 U
Acenaphthene	20	100	98	MG/KG	0.49 U	0.35 U	0.37 U	0.47 U	0.029 J	0.35 U
Acenaphthylene	100	100	107	MG/KG	0.49 U	0.012 J	0.37 U	0.47 U	0.037 J	0.35 U
Anthracene	100	100	1000	MG/KG	0.49 U	0.025 J	0.021 J	0.47 U	0.075 J	0.013 J
Benzo(A)Anthracene	**1**	1	1	MG/KG	0.049 U	0.16	0.051	0.095	0.36	0.056
Benzo(A)Pyrene	**1**	1	22	MG/KG	0.049 U	0.16	0.039	0.08	0.34	0.049
Benzo(B)Fluoranthene	**1**	1	1.7	MG/KG	0.049 U	0.2	0.047	0.11	0.43	0.064
Benzo(G,H,I)Perylene	100	100	1000	MG/KG	0.49 U	0.09 J	0.023 J	0.049 J	0.22 J	0.036 J
Benzo(K)Fluoranthene	**0.8**	3.9	1.7	MG/KG	0.049 U	0.075	0.016 J	0.045 J	0.15	0.023 J
Chrysene	**1**	3.9	1	MG/KG	0.49 U	0.16 J	0.039 J	0.093 J	0.38	0.06 J
Cresols, M & P	**0.33**	100	0.33	MG/KG	0.49 U	0.35 U	0.37 U	0.47 U	0.35 U	0.35 U
Dibenz(A,H)Anthracene	**0.33**	0.33	1000	MG/KG	0.049 U	0.022 J	0.037 U	0.047 U	0.058	0.035 U
Dibenzofuran	7	59	210	MG/KG	0.49 U	0.35 U	0.37 U	0.47 U	0.35 U	0.35 U
Fluoranthene	100	100	1000	MG/KG	0.49 U	0.27 J	0.083 J	0.16 J	0.69	0.1 J
Fluorene	30	100	386	MG/KG	0.49 U	0.35 U	0.37 U	0.47 U	0.018 J	0.35 U
Hexachlorobenzene	0.33	1.2	3.2	MG/KG	0.049 U	0.035 U	0.037 U	0.047 U	0.035 U	0.035 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	0.5	8.2	MG/KG	0.049 U	0.099	0.024 J	0.059	0.24	0.036
Naphthalene	12	100	12	MG/KG	0.49 U	0.35 U	0.37 U	0.015 J	0.0061 J	0.35 U
Pentachlorophenol	0.8	6.7	0.8	MG/KG	0.39 U	0.29 U	0.3 U	0.38 U	0.28 U	0.28 U
Phenanthrene	100	100	1000	MG/KG	0.49 U	0.097 J	0.077 J	0.058 J	0.36	0.059 J
Phenol	**0.33**	100	0.33	MG/KG	0.49 U	0.35 U	0.37 U	0.47 U	0.35 U	0.35 U
Pyrene	100	100	1000	MG/KG	0.49 U	0.25 J	0.076 J	0.13 J	0.62	0.092 J

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Table 3. Summary of Semivolatile Organic Compounds in Soil, 1920 Turnbull Avenue Site A, Bronx, New York

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			Sample Designation:		ASB-5	ASB-5	ASB-6	ASB-6	ASB-6	ASB-7
			Sample Date:		10/08/2025	10/08/2025	10/09/2025	10/10/2025	10/10/2025	10/09/2025
			Sample Depth (ft bls):		8 - 10	15 - 17	0 - 2	8 - 10	15 - 17	0 - 2
			Normal Sample or Field Duplicate:		N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Protection of Groundwater SCO	Units						
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.046 U	0.063 U	0.036 U	0.034 U	0.05 U	0.035 U
2-Methylphenol (O-Cresol)	0.33	100	0.33	MG/KG	0.46 U	0.63 U	0.36 U	0.34 U	0.5 U	0.35 U
Acenaphthene	20	100	98	MG/KG	0.34 J	0.63 U	0.061 J	0.13 J	0.52	0.057 J
Acenaphthylene	100	100	107	MG/KG	0.017 J	0.63 U	0.056 J	0.049 J	0.032 J	0.068 J
Anthracene	100	100	1000	MG/KG	0.88	0.63 U	0.23 J	0.43	1.1	0.13 J
Benzo(A)Anthracene	**1**	1	1	MG/KG	**1.7**	0.063 U	**1.5**	**1.1**	**1.4**	0.57
Benzo(A)Pyrene	**1**	1	22	MG/KG	**1.4**	0.063 U	**1.4**	**1.1**	**1.3**	0.56
Benzo(B)Fluoranthene	**1**	1	1.7	MG/KG	**2**	0.063 U	**2**	**1.5**	**1.6**	0.82
Benzo(G,H,I)Perylene	100	100	1000	MG/KG	0.5	0.63 U	0.56	0.59	0.61	0.23 J
Benzo(K)Fluoranthene	**0.8**	3.9	1.7	MG/KG	0.72	0.063 U	0.71	0.54	0.58	0.29
Chrysene	**1**	3.9	1	MG/KG	**1.6**	0.63 U	**1.5**	**1.2**	**1.4**	0.65
Cresols, M & P	**0.33**	100	0.33	MG/KG	0.46 U	0.63 U	0.36 U	0.34 U	0.5 U	0.35 U
Dibenz(A,H)Anthracene	**0.33**	0.33	1000	MG/KG	0.18	0.063 U	0.17	0.15	0.18	0.073
Dibenzofuran	7	59	210	MG/KG	0.18 J	0.63 U	0.02 J	0.068 J	0.34 J	0.023 J
Fluoranthene	100	100	1000	MG/KG	3.7	0.63 U	2.6	2.4	3.2	1.2
Fluorene	30	100	386	MG/KG	0.43 J	0.63 U	0.04 J	0.13 J	0.6	0.045 J
Hexachlorobenzene	0.33	1.2	3.2	MG/KG	0.046 U	0.063 U	0.036 U	0.034 U	0.05 U	0.035 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	0.5	8.2	MG/KG	**0.65**	0.063 U	**0.68**	**0.64**	**0.68**	0.27
Naphthalene	12	100	12	MG/KG	0.1 J	0.63 U	0.027 J	0.12 J	0.35 J	0.018 J
Pentachlorophenol	0.8	6.7	0.8	MG/KG	0.37 U	0.51 U	0.29 U	0.27 U	0.4 U	0.29 U
Phenanthrene	100	100	1000	MG/KG	2.9	0.63 U	0.93	1.6	3.6	0.71
Phenol	**0.33**	100	0.33	MG/KG	0.46 U	0.63 U	0.36 U	0.34 U	0.5 U	0.35 U
Pyrene	100	100	1000	MG/KG	2.7	0.63 U	2.3	2.1	2.8	1

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Table 3. Summary of Semivolatile Organic Compounds in Soil, 1920 Turnbull Avenue Site A, Bronx, New York

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			Sample Designation:		ASB-7	ASB-7	ASB-8	ASB-8	ASB-8	ASB-8
			Sample Date:		10/10/2025	10/10/2025	10/09/2025	10/10/2025	10/10/2025	10/10/2025
			Sample Depth (ft bls):		8 - 10	15 - 17	0 - 2	8 - 10	15 - 17	15 - 17
			Normal Sample or Field Duplicate:		N	N	N	N	N	FD
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Protection of Groundwater SCO	Units						
1,4-Dioxane (P-Dioxane)	0.1	13	0.1	MG/KG	0.035 U	0.034 U	0.038 U	0.034 U	0.037 U	0.039 U
2-Methylphenol (O-Cresol)	0.33	100	0.33	MG/KG	0.35 U	0.014 J	0.38 U	0.015 J	0.37 U	0.39 U
Acenaphthene	20	100	98	MG/KG	0.084 J	0.015 J	0.24 J	0.83	0.37 U	0.39 U
Acenaphthylene	100	100	107	MG/KG	0.085 J	0.13 J	0.17 J	0.15 J	0.37 U	0.39 U
Anthracene	100	100	1000	MG/KG	0.32 J	0.033 J	0.91	2.3	0.013 J	0.016 J
Benzo(A)Anthracene	**1**	1	1	MG/KG	**1.2**	0.052	**3.5**	**4.8**	0.05	0.054
Benzo(A)Pyrene	**1**	1	22	MG/KG	**1.2**	0.06	**3.2**	**4.3**	0.048	0.05
Benzo(B)Fluoranthene	**1**	1	1.7	MG/KG	**1.8**	0.086	**4.3**	**5.7**	0.065	0.067
Benzo(G,H,I)Perylene	100	100	1000	MG/KG	0.78	0.048 J	1.7	2.2	0.029 J	0.031 J
Benzo(K)Fluoranthene	**0.8**	3.9	1.7	MG/KG	0.67	0.028 J	**1.4**	**2**	0.025 J	0.025 J
Chrysene	**1**	3.9	1	MG/KG	**1.4**	0.08 J	**3.5**	**4.7**	0.051 J	0.059 J
Cresols, M & P	**0.33**	100	0.33	MG/KG	0.034 J	0.045 J	0.38 U	0.049 J	0.041 J	0.06 J
Dibenz(A,H)Anthracene	**0.33**	0.33	1000	MG/KG	0.21	0.034 U	**0.5**	**0.65**	0.037 U	0.039 U
Dibenzofuran	7	59	210	MG/KG	0.1 J	0.013 J	0.17 J	0.73	0.37 U	0.39 U
Fluoranthene	100	100	1000	MG/KG	2	0.14 J	6.4	10	0.081 J	0.1 J
Fluorene	30	100	386	MG/KG	0.13 J	0.017 J	0.25 J	1	0.37 U	0.39 U
Hexachlorobenzene	0.33	1.2	3.2	MG/KG	0.035 U	0.034 U	0.038 U	0.034 U	0.037 U	0.039 U
Indeno(1,2,3-C,D)Pyrene	**0.5**	0.5	8.2	MG/KG	**0.85**	0.04	**1.9**	**2.6**	0.032 J	0.031 J
Naphthalene	12	100	12	MG/KG	0.4	0.37	0.2 J	0.8	0.039 J	0.072 J
Pentachlorophenol	0.8	6.7	0.8	MG/KG	0.28 U	0.28 U	0.31 U	0.28 U	0.3 U	0.32 U
Phenanthrene	100	100	1000	MG/KG	1.3	0.11 J	3.8	8	0.062 J	0.065 J
Phenol	**0.33**	100	0.33	MG/KG	0.35 U	0.34 U	0.38 U	0.34 U	0.37 U	0.39 U
Pyrene	100	100	1000	MG/KG	1.8	0.15 J	5.5	8.3	0.084 J	0.093 J

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Table 4. Summary of Metals in Soil, 1920 Turnbull Avenue Site A, Bronx, New York

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			Sample Designation:		SB-1	SB-1	SB-2	SB-2	SB-7	SB-7	SB-8
			Sample Date:		10/03/2023	10/03/2023	10/03/2023	10/04/2023	07/03/2024	07/03/2024	07/03/2024
			Sample Depth (ft bls):		0 - 2	10 - 12	0 - 2	6 - 8	0 - 2	9 - 11	0 - 2
			Normal Sample or Field Duplicate:		N	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Protection of Groundwater SCO	Units							
Arsenic	**13**	16	16	MG/KG	3.5	5	3.6	6.2	8.4	5	10.4
Barium	**350**	400	820	MG/KG	214	172	95.6	**489**	**1920**	270	**472**
Beryllium	7.2	72	47	MG/KG	0.49	0.3 J	0.3 J	0.33 J	0.34 J	0.77	0.38 J
Cadmium	**2.5**	4.3	7.5	MG/KG	0.32 J	0.35 J	0.19 J	0.85	0.76 J	0.46 J	0.5 J
Chromium III	**30**	180	--	MG/KG	26.3	12.6	10.7	15.9	NA	NA	NA
Chromium, Hexavalent	**1**	110	19	MG/KG	2 U	2 U	2 U	2.1 U	NA	NA	NA
Chromium, Total	**30**	180	--	MG/KG	26.3	12.6	10.7	15.9	18.7	15.8	26.8
Copper	**50**	270	1720	MG/KG	24.8	43.3	32.5	**142**	49	40.5	**149**
Cyanide	27	27	40	MG/KG	0.22 U	0.19 J	0.21 U	0.25 U	NA	NA	NA
Lead	**63**	400	450	MG/KG	**340**	**209**	**97.1**	**295**	**888**	**235**	**347**
Manganese	1600	2000	2000	MG/KG	354	134	217	87.7	312	284	115
Mercury	**0.18**	0.81	0.73	MG/KG	**0.21**	**0.29**	0.13	**0.24**	**0.75**	**0.19**	**0.2**
Nickel	**30**	310	130	MG/KG	21.1	14.3	10.6	16.1	21.4	16.1	21.9
Selenium	3.9	180	4	MG/KG	0.21 J	0.46 J	0.19 J	0.77 J	0.59 J	0.3 J	1.1 J
Silver	**2**	180	8.3	MG/KG	0.082 J	0.34	0.1 J	0.45	0.16 J	0.1 J	0.36 J
Zinc	**109**	10000	2480	MG/KG	**190**	**165**	87	**399**	**916**	**259**	**488**

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Table 4. Summary of Metals in Soil, 1920 Turnbull Avenue Site A, Bronx, New York **DRAFT**

			Sample Designation:		SB-8	SB-9	SB-9	ASB-1	ASB-1	ASB-1	ASB-2
			Sample Date:		07/03/2024	07/03/2024	07/03/2024	10/08/2025	10/08/2025	10/08/2025	10/09/2025
			Sample Depth (ft bls):		9 - 11	0 - 2	9 - 11	0 - 2	8 - 10	15 - 17	0 - 2
			Normal Sample or Field Duplicate:		N	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Protection of Groundwater SCO	Units							
Arsenic	**13**	16	16	MG/KG	3.4	4.4	3.7	5.9	**17.1**	**16.6**	3.7
Barium	**350**	400	820	MG/KG	139	**4060**	172	**457**	214	**2150**	251
Beryllium	7.2	72	47	MG/KG	0.35 J	0.45 J	0.94	0.4 J	0.69	0.35 J	0.6
Cadmium	**2.5**	4.3	7.5	MG/KG	0.23 J	0.97 J	0.27 J	0.78 J	0.73 J	1 J	0.37 J
Chromium III	**30**	180	--	MG/KG	NA	NA	NA	24.3	12.9	**37.5**	16.4
Chromium, Hexavalent	**1**	110	19	MG/KG	NA	NA	NA	1.1 U	1.2 U	1.5 U	1.1 U
Chromium, Total	**30**	180	--	MG/KG	15.2	17.3	20.6	24.3	12.9	**37.5**	16.4
Copper	**50**	270	1720	MG/KG	22.3	**78.9**	42.8	**52**	**57.7**	**136**	39.1
Cyanide	27	27	40	MG/KG	NA	NA	NA	0.26 U	0.47	0.56	0.22 U
Lead	**63**	400	450	MG/KG	**153**	**140**	**64.9**	**240**	**217**	**140**	**324**
Manganese	1600	2000	2000	MG/KG	169	70.2	233	232	205	529	299
Mercury	**0.18**	0.81	0.73	MG/KG	0.16	**0.83**	0.085	**0.26**	**0.32**	0.1	**0.33**
Nickel	**30**	310	130	MG/KG	15.7	12.5	20.2	21	15.9	**42.3**	15.1
Selenium	3.9	180	4	MG/KG	0.19 J	0.63 J	0.22 J	0.37 J	0.82 J	2	0.22 J
Silver	**2**	180	8.3	MG/KG	0.099 J	0.12 J	0.1 J	0.25 J	0.37 J	0.16 J	0.12 J
Zinc	**109**	10000	2480	MG/KG	**129**	**1650**	96	**361**	**335**	**2230**	**222**

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Table 4. Summary of Metals in Soil, 1920 Turnbull Avenue Site A, Bronx, New York **DRAFT**

			Sample Designation:		ASB-2	ASB-2	ASB-3	ASB-3	ASB-3	ASB-4	ASB-4
			Sample Date:		10/10/2025	10/10/2025	10/08/2025	10/08/2025	10/08/2025	10/08/2025	10/08/2025
			Sample Depth (ft bls):		8 - 10	15 - 17	0 - 2	9 - 11	15 - 17	0 - 2	7 - 9
			Normal Sample or Field Duplicate:		N	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Protection of Groundwater SCO	Units							
Arsenic	**13**	16	16	MG/KG	8.9	11.8	5.1	**13.1**	12	4	**15.1**
Barium	**350**	400	820	MG/KG	**366**	196	247	**1610**	**371**	222	**407**
Beryllium	7.2	72	47	MG/KG	0.32	0.16 J	0.38 J	0.33 J	0.48 J	0.33 J	0.32 J
Cadmium	**2.5**	4.3	7.5	MG/KG	1.7	0.35 J	0.95 J	1.8	0.97 J	0.43 J	0.38 J
Chromium III	**30**	180	--	MG/KG	25.2	21.4	18.2	**71.6**	19	13.6	22
Chromium, Hexavalent	**1**	110	19	MG/KG	**1.2**	1.2 U	0.74 J	1.3 U	1.5 U	1.1 U	1.1 U
Chromium, Total	**30**	180	--	MG/KG	26.3	21.4	19	**71.6**	19	13.6	22
Copper	**50**	270	1720	MG/KG	**159**	**103**	**52.7**	**619**	**376**	25.5	**57.8**
Cyanide	27	27	40	MG/KG	0.4	0.66	0.23 U	3.7	0.53	0.24 U	0.23 J
Lead	**63**	400	450	MG/KG	**1060**	**95.2**	**278**	**1880**	**477**	**151**	**270**
Manganese	1600	2000	2000	MG/KG	346	94.1	659	317	144	201	275
Mercury	**0.18**	0.81	0.73	MG/KG	**8.7**	**1.5**	**0.42**	**0.45**	0.17	**0.23**	0.064
Nickel	**30**	310	130	MG/KG	20	**37.7**	18.9	28.5	14.8	14.4	15.9
Selenium	3.9	180	4	MG/KG	0.21 J	2.1	0.28 J	2.1	1.2 J	0.24 J	0.84 J
Silver	**2**	180	8.3	MG/KG	0.17 J	0.7	0.19 J	**3.4**	1.3	0.12 J	0.37 J
Zinc	**109**	10000	2480	MG/KG	**1120**	**665**	**485**	**1280**	**383**	**180**	**207**

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Table 4. Summary of Metals in Soil, 1920 Turnbull Avenue Site A, Bronx, New York **DRAFT**

			Sample Designation:		ASB-4	ASB-5	ASB-5	ASB-5	ASB-5	ASB-6	ASB-6
			Sample Date:		10/08/2025	10/08/2025	10/08/2025	10/08/2025	10/08/2025	10/09/2025	10/10/2025
			Sample Depth (ft bls):		15 - 17	0 - 2	0 - 2	8 - 10	15 - 17	0 - 2	8 - 10
			Normal Sample or Field Duplicate:		N	N	FD	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Protection of Groundwater SCO	Units							
Arsenic	**13**	16	16	MG/KG	9	4.4	3.6	5.8	**13.9**	2.9	8.1
Barium	**350**	400	820	MG/KG	147	299	198	175	59	218	**3550**
Beryllium	7.2	72	47	MG/KG	0.59	0.41	0.3 J	0.41 J	0.75	0.29 J	0.34
Cadmium	**2.5**	4.3	7.5	MG/KG	0.73 J	0.47 J	0.31 J	0.29 J	0.48 J	0.24 J	**4.9**
Chromium III	**30**	180	--	MG/KG	27.1	16.4	12.1	12.4	**36.4**	12.6	22.3
Chromium, Hexavalent	**1**	110	19	MG/KG	1.4 U	1 U	1.1 U	1.4 U	1.9 U	1.1 U	1.1 U
Chromium, Total	**30**	180	--	MG/KG	27.1	16.4	12.1	12.4	**36.4**	12.6	22.3
Copper	**50**	270	1720	MG/KG	41.8	24.2	21.1	**670**	28.9	20.5	**355**
Cyanide	27	27	40	MG/KG	0.24 J	0.22 U	0.24 U	0.31 J	0.42 U	0.22 U	0.47
Lead	**63**	400	450	MG/KG	59.4	**344**	**254**	**168**	58.4	**200**	**7690**
Manganese	1600	2000	2000	MG/KG	226	241	185	92.5	233	226	204
Mercury	**0.18**	0.81	0.73	MG/KG	**0.46**	**0.56**	**0.25**	0.083	0.065	0.18	**0.48**
Nickel	**30**	310	130	MG/KG	17.8	12.8	11	15.3	29.3	10.1	19.4
Selenium	3.9	180	4	MG/KG	0.53 J	0.22 J	0.16 J	0.6 J	0.52 J	0.15 J	0.68 J
Silver	**2**	180	8.3	MG/KG	0.52 U	0.14 J	0.12 J	0.18 J	0.69 U	0.13 J	1.1
Zinc	**109**	10000	2480	MG/KG	**380**	**242**	**166**	**135**	**148**	**159**	**6430**

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Table 4. Summary of Metals in Soil, 1920 Turnbull Avenue Site A, Bronx, New York **DRAFT**

			Sample Designation:		ASB-6	ASB-7	ASB-7	ASB-7	ASB-8	ASB-8	ASB-8
			Sample Date:		10/10/2025	10/09/2025	10/10/2025	10/10/2025	10/09/2025	10/10/2025	10/10/2025
			Sample Depth (ft bls):		15 - 17	0 - 2	8 - 10	15 - 17	0 - 2	8 - 10	15 - 17
			Normal Sample or Field Duplicate:		N	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Protection of Groundwater SCO	Units							
Arsenic	**13**	16	16	MG/KG	5.4	4.2	**16.3**	**16**	12.5	11.2	2.5
Barium	**350**	400	820	MG/KG	58.1	**649**	**980**	**467**	**686**	**416**	90.6
Beryllium	7.2	72	47	MG/KG	0.16 J	0.26 J	0.44	0.15 J	0.52	0.41	0.17 J
Cadmium	**2.5**	4.3	7.5	MG/KG	0.62 J	0.25 J	**4**	0.69 J	**2.9**	1.1	0.14 J
Chromium III	**30**	180	--	MG/KG	16.8	10	**47**	15.5	**30.4**	**36.6**	3.9
Chromium, Hexavalent	**1**	110	19	MG/KG	1.5 U	1.1 U	1.1 U	1 U	1.2 U	**1.6**	1.1 U
Chromium, Total	**30**	180	--	MG/KG	16.8	10	**47**	15.5	**30.4**	**38.2**	3.9
Copper	**50**	270	1720	MG/KG	40	12.3	**8350**	**203**	**174**	**262**	22.7
Cyanide	27	27	40	MG/KG	0.32 U	0.31	0.14 J	0.24 U	0.97	0.74	0.18 J
Lead	**63**	400	450	MG/KG	38	**1210**	**695**	**848**	**976**	**813**	**79.1**
Manganese	1600	2000	2000	MG/KG	116	201	502	156	317	400	36.5
Mercury	**0.18**	0.81	0.73	MG/KG	0.1	0.16	**18.2**	0.18	**1.7**	**7.2**	0.084
Nickel	**30**	310	130	MG/KG	**78.8**	6.1	**46.9**	29.8	**32.5**	26.4	9.2
Selenium	3.9	180	4	MG/KG	0.31 J	0.16 J	1.1	1.9	0.79 J	0.52 J	0.59 J
Silver	**2**	180	8.3	MG/KG	0.46 U	0.34 U	1.9	0.46	0.52	0.49	0.084 J
Zinc	**109**	10000	2480	MG/KG	101	**432**	**5360**	**472**	**949**	**535**	**114**

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Table 4. Summary of Metals in Soil, 1920 Turnbull Avenue Site A, Bronx, New York

			Sample Designation:		ASB-8
			Sample Date:		10/10/2025
			Sample Depth (ft bls):		15 - 17
			Normal Sample or Field Duplicate:		FD
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Protection of Groundwater SCO	Units	
Arsenic	**13**	16	16	MG/KG	6.1
Barium	**350**	400	820	MG/KG	65.9
Beryllium	7.2	72	47	MG/KG	0.17 J
Cadmium	**2.5**	4.3	7.5	MG/KG	0.11 J
Chromium III	**30**	180	--	MG/KG	14.9
Chromium, Hexavalent	**1**	110	19	MG/KG	1.2 U
Chromium, Total	**30**	180	--	MG/KG	14.9
Copper	**50**	270	1720	MG/KG	36.4
Cyanide	27	27	40	MG/KG	0.25 U
Lead	**63**	400	450	MG/KG	**210**
Manganese	1600	2000	2000	MG/KG	149
Mercury	**0.18**	0.81	0.73	MG/KG	0.15
Nickel	**30**	310	130	MG/KG	11.1
Selenium	3.9	180	4	MG/KG	0.54 J
Silver	**2**	180	8.3	MG/KG	0.14 J
Zinc	**109**	10000	2480	MG/KG	108

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Table 5. Summary of Polychlorinated Biphenyls in Soil, 1920 Turnbull Avenue Site A, Bronx, New York **DRAFT**

				Sample Designation:	SB-1	SB-1	SB-2	SB-2	ASB-1	ASB-1
				Sample Date:	10/03/2023	10/03/2023	10/03/2023	10/04/2023	10/08/2025	10/08/2025
				Sample Depth (ft bls):	0 - 2	10 - 12	0 - 2	6 - 8	0 - 2	8 - 10
				Normal Sample or Field Duplicate:	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Protection of Groundwater SCO	Units						
PCB-1016 (Aroclor 1016)	--	--	--	MG/KG	0.067 U	0.068 U	0.067 U	0.07 U	0.074 U	0.081 U
PCB-1221 (Aroclor 1221)	--	--	--	MG/KG	0.067 U	0.068 U	0.067 U	0.07 U	0.074 U	0.081 U
PCB-1232 (Aroclor 1232)	--	--	--	MG/KG	0.067 U	0.068 U	0.067 U	0.07 U	0.074 U	0.081 U
PCB-1242 (Aroclor 1242)	--	--	--	MG/KG	0.067 U	0.068 U	0.067 U	0.07 U	0.074 U	0.081 U
PCB-1248 (Aroclor 1248)	--	--	--	MG/KG	0.067 U	0.068 U	0.067 U	0.07 U	0.074 U	0.081 U
PCB-1254 (Aroclor 1254)	--	--	--	MG/KG	0.067 U	0.068 U	0.067 U	0.07 U	0.074 U	0.081 U
PCB-1260 (Aroclor 1260)	--	--	--	MG/KG	0.067 U	0.068 U	0.067 U	0.07 U	0.074 U	0.081 U
PCB-1262 (Aroclor 1262)	--	--	--	MG/KG	0.067 U	0.068 U	0.067 U	0.07 U	0.074 U	0.081 U
PCB-1268 (Aroclor 1268)	--	--	--	MG/KG	0.067 U	0.068 U	0.067 U	0.07 U	0.074 U	0.081 U
Polychlorinated Biphenyl (PCBs)	0.1	1	3.2	MG/KG	0.067 U	0.068 U	0.067 U	0.07 U	0.074 U	0.081 U

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Table 5. Summary of Polychlorinated Biphenyls in Soil, 1920 Turnbull Avenue Site A, Bronx, New York

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				Sample Designation:	ASB-1	ASB-2	ASB-2	ASB-2	ASB-3	ASB-3
				Sample Date:	10/08/2025	10/09/2025	10/10/2025	10/10/2025	10/08/2025	10/08/2025
				Sample Depth (ft bls):	15 - 17	0 - 2	8 - 10	15 - 17	0 - 2	9 - 11
				Normal Sample or Field Duplicate:	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Protection of Groundwater SCO	Units						
PCB-1016 (Aroclor 1016)	--	--	--	MG/KG	0.1 U	0.073 U	0.068 U	0.08 U	0.07 U	0.084 U
PCB-1221 (Aroclor 1221)	--	--	--	MG/KG	0.1 U	0.073 U	0.068 U	0.08 U	0.07 U	0.084 U
PCB-1232 (Aroclor 1232)	--	--	--	MG/KG	0.1 U	0.073 U	0.068 U	0.08 U	0.07 U	0.084 U
PCB-1242 (Aroclor 1242)	--	--	--	MG/KG	0.1 U	0.073 U	0.068 U	0.08 U	0.07 U	0.084 U
PCB-1248 (Aroclor 1248)	--	--	--	MG/KG	0.1 U	0.073 U	0.068 U	0.08 U	0.07 U	0.084 U
PCB-1254 (Aroclor 1254)	--	--	--	MG/KG	0.1 U	0.073 U	0.068 U	0.08 U	0.07 U	0.084 U
PCB-1260 (Aroclor 1260)	--	--	--	MG/KG	0.1 U	0.073 U	0.068 U	0.08 U	0.07 U	0.084 U
PCB-1262 (Aroclor 1262)	--	--	--	MG/KG	0.1 U	0.073 U	0.068 U	0.08 U	0.07 U	0.084 U
PCB-1268 (Aroclor 1268)	--	--	--	MG/KG	0.1 U	0.073 U	0.068 U	0.08 U	0.07 U	0.084 U
Polychlorinated Biphenyl (PCBs)	0.1	1	3.2	MG/KG	0.1 U	0.073 U	0.068 U	0.08 U	0.07 U	0.084 U

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Table 5. Summary of Polychlorinated Biphenyls in Soil, 1920 Turnbull Avenue Site A, Bronx, New York **DRAFT**

			Sample Designation:		ASB-3	ASB-4	ASB-4	ASB-4	ASB-5	ASB-5
			Sample Date:		10/08/2025	10/08/2025	10/08/2025	10/08/2025	10/08/2025	10/08/2025
			Sample Depth (ft bls):		15 - 17	0 - 2	7 - 9	15 - 17	0 - 2	0 - 2
			Normal Sample or Field Duplicate:		N	N	N	N	N	FD
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Protection of Groundwater SCO	Units						
PCB-1016 (Aroclor 1016)	--	--	--	MG/KG	0.099 U	0.073 U	0.077 U	0.097 U	0.071 U	0.071 U
PCB-1221 (Aroclor 1221)	--	--	--	MG/KG	0.099 U	0.073 U	0.077 U	0.097 U	0.071 U	0.071 U
PCB-1232 (Aroclor 1232)	--	--	--	MG/KG	0.099 U	0.073 U	0.077 U	0.097 U	0.071 U	0.071 U
PCB-1242 (Aroclor 1242)	--	--	--	MG/KG	0.099 U	0.073 U	0.077 U	0.097 U	0.071 U	0.071 U
PCB-1248 (Aroclor 1248)	--	--	--	MG/KG	0.099 U	0.073 U	0.077 U	0.097 U	0.071 U	0.071 U
PCB-1254 (Aroclor 1254)	--	--	--	MG/KG	0.099 U	0.073 U	0.077 U	0.097 U	0.071 U	0.071 U
PCB-1260 (Aroclor 1260)	--	--	--	MG/KG	0.099 U	0.073 U	0.077 U	0.097 U	0.071 U	0.071 U
PCB-1262 (Aroclor 1262)	--	--	--	MG/KG	0.099 U	0.073 U	0.077 U	0.097 U	0.071 U	0.071 U
PCB-1268 (Aroclor 1268)	--	--	--	MG/KG	0.099 U	0.073 U	0.077 U	0.097 U	0.071 U	0.071 U
Polychlorinated Biphenyl (PCBs)	0.1	1	3.2	MG/KG	0.099 U	0.073 U	0.077 U	0.097 U	0.071 U	0.071 U

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Table 5. Summary of Polychlorinated Biphenyls in Soil, 1920 Turnbull Avenue Site A, Bronx, New York **DRAFT**

				Sample Designation:	ASB-5	ASB-5	ASB-6	ASB-6	ASB-6	ASB-7
				Sample Date:	10/08/2025	10/08/2025	10/09/2025	10/10/2025	10/10/2025	10/09/2025
				Sample Depth (ft bls):	8 - 10	15 - 17	0 - 2	8 - 10	15 - 17	0 - 2
				Normal Sample or Field Duplicate:	N	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Protection of Groundwater SCO	Units						
PCB-1016 (Aroclor 1016)	--	--	--	MG/KG	0.094 U	0.13 U	0.073 U	0.069 U	0.1 U	0.072 U
PCB-1221 (Aroclor 1221)	--	--	--	MG/KG	0.094 U	0.13 U	0.073 U	0.069 U	0.1 U	0.072 U
PCB-1232 (Aroclor 1232)	--	--	--	MG/KG	0.094 U	0.13 U	0.073 U	0.069 U	0.1 U	0.072 U
PCB-1242 (Aroclor 1242)	--	--	--	MG/KG	0.094 U	0.13 U	0.073 U	0.069 U	0.1 U	0.072 U
PCB-1248 (Aroclor 1248)	--	--	--	MG/KG	0.094 U	0.13 U	0.073 U	0.069 U	0.1 U	0.072 U
PCB-1254 (Aroclor 1254)	--	--	--	MG/KG	0.094 U	0.13 U	0.073 U	0.069 U	0.1 U	0.072 U
PCB-1260 (Aroclor 1260)	--	--	--	MG/KG	0.094 U	0.13 U	0.073 U	0.069 U	0.1 U	0.072 U
PCB-1262 (Aroclor 1262)	--	--	--	MG/KG	0.094 U	0.13 U	0.073 U	0.069 U	0.1 U	0.072 U
PCB-1268 (Aroclor 1268)	--	--	--	MG/KG	0.094 U	0.13 U	0.073 U	0.069 U	0.1 U	0.072 U
Polychlorinated Biphenyl (PCBs)	0.1	1	3.2	MG/KG	0.094 U	0.13 U	0.073 U	0.069 U	0.1 U	0.072 U

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Table 5. Summary of Polychlorinated Biphenyls in Soil, 1920 Turnbull Avenue Site A, Bronx, New York **DRAFT**

				Sample Designation:	ASB-7	ASB-7	ASB-8	ASB-8	ASB-8	ASB-8
				Sample Date:	10/10/2025	10/10/2025	10/09/2025	10/10/2025	10/10/2025	10/10/2025
				Sample Depth (ft bls):	8 - 10	15 - 17	0 - 2	8 - 10	15 - 17	15 - 17
				Normal Sample or Field Duplicate:	N	N	N	N	N	FD
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Protection of Groundwater SCO	Units						
PCB-1016 (Aroclor 1016)	--	--	--	MG/KG	0.071 U	0.07 U	0.077 U	0.07 U	0.076 U	0.08 U
PCB-1221 (Aroclor 1221)	--	--	--	MG/KG	0.071 U	0.07 U	0.077 U	0.07 U	0.076 U	0.08 U
PCB-1232 (Aroclor 1232)	--	--	--	MG/KG	0.071 U	0.07 U	0.077 U	0.07 U	0.076 U	0.08 U
PCB-1242 (Aroclor 1242)	--	--	--	MG/KG	0.071 U	0.07 U	0.077 U	0.07 U	0.076 U	0.08 U
PCB-1248 (Aroclor 1248)	--	--	--	MG/KG	0.071 U	0.07 U	0.077 U	0.07 U	0.076 U	0.08 U
PCB-1254 (Aroclor 1254)	--	--	--	MG/KG	0.071 U	0.07 U	0.077 U	0.07 U	0.076 U	0.08 U
PCB-1260 (Aroclor 1260)	--	--	--	MG/KG	0.071 U	0.07 U	0.077 U	0.07 U	0.076 U	0.08 U
PCB-1262 (Aroclor 1262)	--	--	--	MG/KG	0.071 U	0.07 U	0.077 U	0.07 U	0.076 U	0.08 U
PCB-1268 (Aroclor 1268)	--	--	--	MG/KG	0.071 U	0.07 U	0.077 U	0.07 U	0.076 U	0.08 U
Polychlorinated Biphenyl (PCBs)	0.1	1	3.2	MG/KG	0.071 U	0.07 U	0.077 U	0.07 U	0.076 U	0.08 U

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Table 6. Summary of Pesticides and Herbicides in Soil, 1920 Turnbull Avenue Site A, Bronx, New York **DRAFT**

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Protection of Groundwater SCO	Units	SB-1	SB-1	SB-2	SB-2	ASB-1
Sample Designation:					SB-1	SB-1	SB-2	SB-2	ASB-1
Sample Date:					10/03/2023	10/03/2023	10/03/2023	10/04/2023	10/08/2025
Sample Depth (ft bls):					0 - 2	10 - 12	0 - 2	6 - 8	0 - 2
Normal Sample or Field Duplicate:					N	N	N	N	N
Aldrin	0.005	0.097	0.19	MG/KG	0.0067 U	0.0068 U	0.0067 U	0.007 U	0.0074 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.02	MG/KG	0.002 U	0.002 U	0.002 U	0.0021 U	0.0022 U
Alpha Endosulfan	2.4	24	102	MG/KG	0.0067 U	0.0068 U	0.0067 U	0.007 U	0.0074 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.09	MG/KG	0.002 U	0.002 U	0.002 U	0.0021 U	0.0022 U
Beta Endosulfan	2.4	24	102	MG/KG	0.0067 U	0.0068 U	0.0067 U	0.007 U	0.0074 U
Chlordane (Technical)	--	--	--	MG/KG	0.067 U	0.068 U	0.067 U	0.07 U	0.074 U
cis-Chlordane	0.094	4.2	2.9	MG/KG	0.0067 U	0.0068 U	0.0067 U	0.007 U	0.0074 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.25	MG/KG	0.002 U	0.002 U	0.002 U	0.0021 U	0.0022 U
Dieldrin	0.005	0.2	0.1	MG/KG	0.002 U	0.002 U	0.002 U	0.0021 U	0.0022 U
Endosulfan Sulfate	2.4	24	1000	MG/KG	0.0067 U	0.0068 U	0.0067 U	0.007 U	0.0074 U
Endrin	0.014	11	0.06	MG/KG	0.0067 U	0.0068 U	0.0067 U	0.007 U	0.0074 U
Endrin Aldehyde	--	--	--	MG/KG	0.0067 U	0.0017 JP	0.0067 U	0.007 U	0.0074 U
Endrin Ketone	--	--	--	MG/KG	0.0067 U	0.0068 U	0.0067 U	0.007 U	0.0074 U
Gamma Bhc (Lindane)	0.1	1.3	0.1	MG/KG	0.002 U	0.002 U	0.002 U	0.0021 U	0.0022 U
Heptachlor	0.042	2.1	0.38	MG/KG	0.0067 U	0.0068 U	0.0067 U	0.007 U	0.0074 U
Heptachlor Epoxide	--	--	--	MG/KG	0.0067 U	0.0068 U	0.0067 U	0.007 U	0.0074 U
Methoxychlor	--	--	--	MG/KG	0.0067 U	0.0068 U	0.0067 U	0.007 U	0.0074 U
P,P'-DDD	**0.0033**	13	14	MG/KG	0.0067 U	0.0068 U	0.0067 U	0.007 U	0.0074 U
P,P'-DDE	**0.0033**	8.9	17	MG/KG	0.0067 U	0.0068 U	0.0067 U	0.007 U	**0.0067 J**
P,P'-DDT	**0.0033**	7.9	136	MG/KG	0.0067 U	0.0068 U	**0.0042 JP**	0.007 U	**0.0055 J**
Toxaphene	--	--	--	MG/KG	0.067 U	0.068 U	0.067 U	0.07 U	0.074 U

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Table 6. Summary of Pesticides and Herbicides in Soil, 1920 Turnbull Avenue Site A, Bronx, New York **DRAFT**

				Sample Designation:	ASB-1	ASB-1	ASB-2	ASB-2	ASB-2
				Sample Date:	10/08/2025	10/08/2025	10/09/2025	10/10/2025	10/10/2025
				Sample Depth (ft bls):	8 - 10	15 - 17	0 - 2	8 - 10	15 - 17
				Normal Sample or Field Duplicate:	N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Protection of Groundwater SCO	Units					
Aldrin	0.005	0.097	0.19	MG/KG	0.0081 U	0.01 U	0.0073 U	0.0068 U	0.008 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.02	MG/KG	0.0024 U	0.0031 U	0.0022 U	0.002 U	0.0024 U
Alpha Endosulfan	2.4	24	102	MG/KG	0.0081 U	0.01 U	0.0073 U	0.0068 U	0.008 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.09	MG/KG	0.0024 U	0.0031 U	0.0022 U	0.002 U	0.0024 U
Beta Endosulfan	2.4	24	102	MG/KG	0.0081 U	0.01 U	0.0073 U	0.0068 U	0.008 U
Chlordane (Technical)	--	--	--	MG/KG	0.081 U	0.1 U	0.073 U	0.068 U	0.08 U
cis-Chlordane	0.094	4.2	2.9	MG/KG	0.0081 U	0.01 U	0.0073 U	0.0068 U	0.008 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.25	MG/KG	0.0024 U	0.0031 U	0.0022 U	0.002 UT	0.0024 UT
Dieldrin	0.005	0.2	0.1	MG/KG	0.0024 U	0.0031 U	0.0022 U	0.002 U	0.0024 U
Endosulfan Sulfate	2.4	24	1000	MG/KG	0.0081 U	0.01 U	0.0073 U	0.0068 U	0.008 U
Endrin	0.014	11	0.06	MG/KG	0.0081 U	0.01 U	0.0073 U	0.0068 U	0.008 U
Endrin Aldehyde	--	--	--	MG/KG	0.0081 U	0.01 U	0.0073 U	0.0068 U	0.008 U
Endrin Ketone	--	--	--	MG/KG	0.0081 U	0.01 U	0.0073 U	0.0068 U	0.008 U
Gamma Bhc (Lindane)	0.1	1.3	0.1	MG/KG	0.0024 U	0.0031 U	0.0022 U	0.002 U	0.0024 U
Heptachlor	0.042	2.1	0.38	MG/KG	0.0081 U	0.01 U	0.0073 U	0.0068 U	0.008 U
Heptachlor Epoxide	--	--	--	MG/KG	0.0081 U	0.01 U	0.0073 U	0.0068 U	0.008 U
Methoxychlor	--	--	--	MG/KG	0.0081 U	0.01 U	0.0073 U	0.0068 U	0.008 U
P,P'-DDD	**0.0033**	13	14	MG/KG	0.0081 U	0.01 U	0.0073 U	0.0068 U	0.008 U
P,P'-DDE	**0.0033**	8.9	17	MG/KG	0.0081 U	0.01 U	0.0073 U	0.0068 U	0.008 U
P,P'-DDT	**0.0033**	7.9	136	MG/KG	0.0081 U	0.01 U	**0.0036 JP**	0.0068 U	0.008 U
Toxaphene	--	--	--	MG/KG	0.081 U	0.1 U	0.073 U	0.068 U	0.08 U

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Table 6. Summary of Pesticides and Herbicides in Soil, 1920 Turnbull Avenue Site A, Bronx, New York **DRAFT**

			Sample Designation:		ASB-3	ASB-3	ASB-3	ASB-4	ASB-4
			Sample Date:		10/08/2025	10/08/2025	10/08/2025	10/08/2025	10/08/2025
			Sample Depth (ft bls):		0 - 2	9 - 11	15 - 17	0 - 2	7 - 9
			Normal Sample or Field Duplicate:		N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Protection of Groundwater SCO	Units					
Aldrin	0.005	0.097	0.19	MG/KG	0.007 U	0.0084 U	0.0099 U	0.0073 U	0.0077 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.02	MG/KG	0.0021 U	0.0025 U	0.003 U	0.0022 U	0.0023 U
Alpha Endosulfan	2.4	24	102	MG/KG	0.007 U	0.0084 U	0.0099 U	0.0073 U	0.0077 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.09	MG/KG	0.0021 U	0.0025 U	0.003 U	0.0022 U	0.0023 U
Beta Endosulfan	2.4	24	102	MG/KG	0.007 U	0.0084 U	0.0099 U	0.0073 U	0.0077 U
Chlordane (Technical)	--	--	--	MG/KG	0.07 U	0.084 U	0.099 U	0.073 U	0.077 U
cis-Chlordane	0.094	4.2	2.9	MG/KG	0.007 U	0.0084 U	0.0099 U	0.0073 U	0.0077 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.25	MG/KG	0.0021 U	0.0025 U	0.003 U	0.0022 U	0.0023 U
Dieldrin	0.005	0.2	0.1	MG/KG	0.0021 U	0.0025 U	0.003 U	0.0022 U	0.0023 U
Endosulfan Sulfate	2.4	24	1000	MG/KG	0.007 U	0.0084 U	0.0099 U	0.0073 U	0.0077 U
Endrin	0.014	11	0.06	MG/KG	0.007 U	0.0084 U	0.0099 U	0.0073 U	0.0077 U
Endrin Aldehyde	--	--	--	MG/KG	0.007 U	0.0084 U	0.0099 U	0.0073 U	0.0077 U
Endrin Ketone	--	--	--	MG/KG	0.007 U	0.0084 U	0.0099 U	0.0073 U	0.0077 U
Gamma Bhc (Lindane)	0.1	1.3	0.1	MG/KG	0.0021 U	0.0025 U	0.003 U	0.0022 U	0.0023 U
Heptachlor	0.042	2.1	0.38	MG/KG	0.007 U	0.0084 U	0.0099 U	0.0073 U	0.0077 U
Heptachlor Epoxide	--	--	--	MG/KG	0.007 U	0.0084 U	0.0099 U	0.0073 U	0.0077 U
Methoxychlor	--	--	--	MG/KG	0.007 U	0.0084 U	0.0099 U	0.0073 U	0.0077 U
P,P'-DDD	**0.0033**	13	14	MG/KG	0.007 U	0.0084 U	0.0099 U	0.0073 U	0.0077 U
P,P'-DDE	**0.0033**	8.9	17	MG/KG	0.007 U	0.0084 U	0.0099 U	**0.0093**	0.0077 U
P,P'-DDT	**0.0033**	7.9	136	MG/KG	0.007 U	0.0084 U	0.0099 U	0.0073 U	0.0077 U
Toxaphene	--	--	--	MG/KG	0.07 U	0.084 U	0.099 U	0.073 U	0.077 U

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Table 6. Summary of Pesticides and Herbicides in Soil, 1920 Turnbull Avenue Site A, Bronx, New York **DRAFT**

			Sample Designation:		ASB-4	ASB-5	ASB-5	ASB-5	ASB-5
			Sample Date:		10/08/2025	10/08/2025	10/08/2025	10/08/2025	10/08/2025
			Sample Depth (ft bls):		15 - 17	0 - 2	0 - 2	8 - 10	15 - 17
			Normal Sample or Field Duplicate:		N	N	FD	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Protection of Groundwater SCO	Units					
Aldrin	0.005	0.097	0.19	MG/KG	0.0097 U	0.0071 U	0.0071 U	0.0094 U	0.013 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.02	MG/KG	0.0029 U	0.0021 U	0.0021 U	0.0028 U	0.0038 U
Alpha Endosulfan	2.4	24	102	MG/KG	0.0097 U	0.0071 U	0.0071 U	0.0094 U	0.013 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.09	MG/KG	0.0029 U	0.0021 U	0.0021 U	0.0028 U	0.0038 U
Beta Endosulfan	2.4	24	102	MG/KG	0.0097 U	0.0071 U	0.0071 U	0.0094 U	0.013 U
Chlordane (Technical)	--	--	--	MG/KG	0.097 U	0.071 U	0.071 U	0.094 U	0.13 U
cis-Chlordane	0.094	4.2	2.9	MG/KG	0.0097 U	0.0071 U	0.0071 U	0.0094 U	0.013 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.25	MG/KG	0.0029 U	0.0021 U	0.0021 U	0.0028 U	0.0038 U
Dieldrin	0.005	0.2	0.1	MG/KG	0.0029 U	0.0021 U	0.0021 U	0.0028 U	0.0038 U
Endosulfan Sulfate	2.4	24	1000	MG/KG	0.0097 U	0.0071 U	0.0071 U	0.0094 U	0.013 U
Endrin	0.014	11	0.06	MG/KG	0.0097 U	0.0071 U	0.0071 U	0.0094 U	0.013 U
Endrin Aldehyde	--	--	--	MG/KG	0.0097 U	0.0071 U	0.0071 U	0.0094 U	0.013 U
Endrin Ketone	--	--	--	MG/KG	0.0097 U	0.0071 U	0.0071 U	0.0094 U	0.013 U
Gamma Bhc (Lindane)	0.1	1.3	0.1	MG/KG	0.0029 U	0.0021 U	0.0021 U	0.0028 U	0.0038 U
Heptachlor	0.042	2.1	0.38	MG/KG	0.0097 U	0.0071 U	0.0071 U	0.0094 U	0.013 U
Heptachlor Epoxide	--	--	--	MG/KG	0.0097 U	0.0071 U	0.0071 U	0.0094 U	0.013 U
Methoxychlor	--	--	--	MG/KG	0.0097 U	0.0071 U	0.0071 U	0.0094 U	0.013 U
P,P'-DDD	**0.0033**	13	14	MG/KG	0.0097 U	0.0071 U	0.0071 U	0.0094 U	0.013 U
P,P'-DDE	**0.0033**	8.9	17	MG/KG	0.0097 U	0.0071 U	0.0071 U	0.0094 U	0.013 U
P,P'-DDT	**0.0033**	7.9	136	MG/KG	0.0097 U	0.0031 J	0.0071 U	0.0094 U	0.013 U
Toxaphene	--	--	--	MG/KG	0.097 U	0.071 U	0.071 U	0.094 U	0.13 U

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Table 6. Summary of Pesticides and Herbicides in Soil, 1920 Turnbull Avenue Site A, Bronx, New York **DRAFT**

			Sample Designation:		ASB-6	ASB-6	ASB-6	ASB-7	ASB-7
			Sample Date:		10/09/2025	10/10/2025	10/10/2025	10/09/2025	10/10/2025
			Sample Depth (ft bls):		0 - 2	8 - 10	15 - 17	0 - 2	8 - 10
			Normal Sample or Field Duplicate:		N	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Protection of Groundwater SCO	Units					
Aldrin	0.005	0.097	0.19	MG/KG	0.0073 U	0.0069 U	0.01 U	0.0072 U	0.0071 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.02	MG/KG	0.0022 U	0.0021 U	0.003 U	0.0022 U	0.0021 U
Alpha Endosulfan	2.4	24	102	MG/KG	0.0073 U	0.0069 U	0.01 U	0.0072 U	0.0071 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.09	MG/KG	0.0022 U	0.0021 U	0.003 U	0.0022 U	0.0021 U
Beta Endosulfan	2.4	24	102	MG/KG	0.0073 U	0.0069 U	0.01 U	0.0072 U	0.0071 U
Chlordane (Technical)	--	--	--	MG/KG	0.073 U	0.069 U	0.1 U	0.072 U	0.071 U
cis-Chlordane	0.094	4.2	2.9	MG/KG	0.0073 U	0.0069 U	0.01 U	0.0019 JP	0.0071 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.25	MG/KG	0.0022 U	0.0021 UT	0.003 UT	0.0022 U	0.0021 UT
Dieldrin	0.005	0.2	0.1	MG/KG	0.0022 U	0.0021 U	0.003 U	0.0022 U	0.0021 U
Endosulfan Sulfate	2.4	24	1000	MG/KG	0.0073 U	0.0069 U	0.01 U	0.0072 U	0.0071 U
Endrin	0.014	11	0.06	MG/KG	0.0073 U	0.0069 U	0.01 U	0.0072 U	0.0071 U
Endrin Aldehyde	--	--	--	MG/KG	0.0073 U	0.0069 U	0.01 U	0.0072 U	0.0071 U
Endrin Ketone	--	--	--	MG/KG	0.0073 U	0.0069 U	0.01 U	0.0072 U	0.0071 U
Gamma Bhc (Lindane)	0.1	1.3	0.1	MG/KG	0.0022 U	0.0021 U	0.003 U	0.0022 U	0.0021 U
Heptachlor	0.042	2.1	0.38	MG/KG	0.0073 U	0.0069 U	0.01 U	0.0072 U	0.0071 U
Heptachlor Epoxide	--	--	--	MG/KG	0.0073 U	0.0069 U	0.01 U	0.0072 U	0.0071 U
Methoxychlor	--	--	--	MG/KG	0.0073 U	0.0069 U	0.01 U	0.0072 U	0.0071 U
P,P'-DDD	**0.0033**	13	14	MG/KG	0.0073 U	0.0069 U	0.01 U	0.0072 U	0.0071 U
P,P'-DDE	**0.0033**	8.9	17	MG/KG	**0.023**	0.0029 J	0.01 U	0.0032 JP	0.0071 U
P,P'-DDT	**0.0033**	7.9	136	MG/KG	**0.022**	0.0069 U	0.01 U	**0.0061 JP**	0.0071 U
Toxaphene	--	--	--	MG/KG	0.073 U	0.069 U	0.1 U	0.072 U	0.071 U

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Table 6. Summary of Pesticides and Herbicides in Soil, 1920 Turnbull Avenue Site A, Bronx, New York **DRAFT**

Parameter	NYSDEC Part 375 Unrestricted Use SCO	NYSDEC Part 375 Restricted Residential SCO	NYSDEC Protection of Groundwater SCO	Units	ASB-7	ASB-8	ASB-8	ASB-8	ASB-8
Sample Designation:					ASB-7	ASB-8	ASB-8	ASB-8	ASB-8
Sample Date:					10/10/2025	10/09/2025	10/10/2025	10/10/2025	10/10/2025
Sample Depth (ft bls):					15 - 17	0 - 2	8 - 10	15 - 17	15 - 17
Normal Sample or Field Duplicate:					N	N	N	N	FD
Aldrin	0.005	0.097	0.19	MG/KG	0.007 U	0.0077 U	0.007 U	0.0076 U	0.008 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.02	0.48	0.02	MG/KG	0.0021 U	0.0023 U	0.0021 U	0.0023 U	0.0024 U
Alpha Endosulfan	2.4	24	102	MG/KG	0.007 U	0.0077 U	0.007 U	0.0076 U	0.008 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.036	0.36	0.09	MG/KG	0.0021 U	0.0023 U	0.0021 U	0.0023 U	0.0024 U
Beta Endosulfan	2.4	24	102	MG/KG	0.007 U	0.0077 U	0.007 U	0.0076 U	0.008 U
Chlordane (Technical)	--	--	--	MG/KG	0.07 U	0.077 U	0.07 U	0.076 U	0.08 U
cis-Chlordane	0.094	4.2	2.9	MG/KG	0.007 U	0.0077 U	0.007 U	0.0076 U	0.008 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	100	0.25	MG/KG	0.0021 UT	0.0023 U	0.0021 UT	0.0023 UT	0.0024 UT
Dieldrin	0.005	0.2	0.1	MG/KG	0.0021 U	0.0023 U	0.0021 U	0.0023 U	0.0024 U
Endosulfan Sulfate	2.4	24	1000	MG/KG	0.007 U	0.0077 U	0.007 U	0.0076 U	0.008 U
Endrin	0.014	11	0.06	MG/KG	0.007 U	0.0077 U	0.007 U	0.0076 U	0.008 U
Endrin Aldehyde	--	--	--	MG/KG	0.007 U	0.0077 U	0.007 U	0.0076 U	0.008 U
Endrin Ketone	--	--	--	MG/KG	0.007 U	0.0077 U	0.007 U	0.0076 U	0.008 U
Gamma Bhc (Lindane)	0.1	1.3	0.1	MG/KG	0.0021 U	0.0023 U	0.0021 U	0.0023 U	0.0024 U
Heptachlor	0.042	2.1	0.38	MG/KG	0.007 U	0.0077 U	0.007 U	0.0076 U	0.008 U
Heptachlor Epoxide	--	--	--	MG/KG	0.007 U	0.0077 U	0.007 U	0.0076 U	0.008 U
Methoxychlor	--	--	--	MG/KG	0.007 U	0.0077 U	0.007 U	0.0076 U	0.008 U
P,P'-DDD	**0.0033**	13	14	MG/KG	**0.12**	0.0077 U	0.007 U	0.0076 U	0.008 U
P,P'-DDE	**0.0033**	8.9	17	MG/KG	**0.2**	**0.038**	0.007 U	0.0076 U	0.008 U
P,P'-DDT	**0.0033**	7.9	136	MG/KG	**0.19**	**0.12**	0.007 U	0.0076 U	0.008 U
Toxaphene	--	--	--	MG/KG	0.07 U	0.077 U	0.07 U	0.076 U	0.08 U

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Table 7. Summary of Per- and Polyfluoroalkyl Substances in Soil, 1920 Turnbull Avenue Site A, Bronx, New York **DRAFT**

				Sample Designation:	ASB-1	ASB-2	ASB-3	ASB-4
				Sample Date:	10/08/2025	10/10/2025	10/08/2025	10/08/2025
				Sample Depth (ft bls):	8 - 10	8 - 10	9 - 11	7 - 9
				Normal Sample or Field Duplicate:	N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use GV	NYSDEC Part 375 Restricted Residential GV	NYSDEC Part 375 Protection of Groundwater GV	Units				
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	--	--	--	UG/KG	0.28 U	0.26 U	0.24 U	0.22 U
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	--	--	--	UG/KG	1.4 U	1.3 U	1.2 U	1.12 U
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	--	--	--	UG/KG	1.4 U	1.3 U	1.2 U	1.12 U
2-(N-methyl perfluorooctanesulfonamido) acetic acid	--	--	--	UG/KG	0.28 U	0.26 U	0.24 U	0.22 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	--	--	--	UG/KG	1.4 U	1.3 U	1.2 U	1.12 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	--	--	--	UG/KG	1.4 U	1.3 U	1.2 U	1.12 U
3-Perfluoropropyl propanoic acid (3:3 FTCA)	--	--	--	UG/KG	0.56 UT	0.52 U	0.48 UT	0.45 UT
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	--	--	--	UG/KG	0.28 U	0.26 U	0.24 U	0.22 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	--	--	--	UG/KG	0.28 U	0.26 U	0.24 U	0.22 U
N-ethyl perfluoro-1-octanesulfonamide	--	--	--	UG/KG	0.28 U	0.26 U	0.24 U	0.22 U
N-ethyl perfluorooctanesulfonamidoacetic acid	--	--	--	UG/KG	0.28 U	0.26 U	0.24 U	0.22 U
N-methyl perfluoro-1-octanesulfonamide	--	--	--	UG/KG	0.28 U	0.26 U	0.24 U	0.22 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	--	--	--	UG/KG	0.28 U	0.26 U	0.24 U	0.22 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	--	--	--	UG/KG	0.28 U	0.26 U	0.24 U	0.22 U
Perfluoro(2-Propoxypropanoic) Acid	--	--	--	UG/KG	0.28 U	0.26 U	0.24 U	0.22 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	--	--	--	UG/KG	0.28 U	0.26 U	0.24 U	0.22 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	--	--	--	UG/KG	0.28 U	0.26 U	0.24 U	0.22 U
Perfluorobutanesulfonic acid (PFBS)	--	--	--	UG/KG	0.28 U	0.26 U	0.24 U	0.22 U
Perfluorobutanoic Acid	--	--	--	UG/KG	0.56 U	0.52 U	0.48 U	0.45 U
Perfluorodecane Sulfonic Acid	--	--	--	UG/KG	0.28 U	0.26 U	0.24 U	0.22 U
Perfluorodecanoic acid (PFDA)	--	--	--	UG/KG	0.28 U	0.26 U	0.24 U	0.22 U
Perfluorododecane sulfonate (PFDoDS)	--	--	--	UG/KG	0.28 U	0.26 U	0.24 U	0.22 U
Perfluorododecanoic acid (PFDoA)	--	--	--	UG/KG	0.28 U	0.26 U	0.24 U	0.22 U
Perfluoroheptane Sulfonate (PFHPS)	--	--	--	UG/KG	0.28 U	0.26 U	0.24 U	0.22 U
Perfluoroheptanoic acid (PFHpA)	--	--	--	UG/KG	0.28 U	0.26 U	0.24 U	0.22 U
Perfluorohexanesulfonic acid (PFHxS)	--	--	--	UG/KG	0.28 U	0.26 U	0.24 U	0.22 U
Perfluorohexanoic acid (PFHxA)	--	--	--	UG/KG	0.28 U	0.26 U	0.24 U	0.22 U
Perfluorononanesulfonic Acid (PFNS)	--	--	--	UG/KG	0.28 U	0.26 U	0.24 U	0.22 U
Perfluorononanoic acid (PFNA)	--	--	--	UG/KG	0.28 U	0.26 U	0.24 U	0.22 U
Perfluorooctane Sulfonamide (FOSA)	--	--	--	UG/KG	0.28 U	0.26 U	0.24 U	0.22 U
Perfluorooctanesulfonic acid (PFOS)	0.88	44	1	UG/KG	0.23 J	0.092 J	0.24 U	0.13 J
Perfluorooctanoic acid (PFOA)	0.66	33	0.8	UG/KG	0.28 U	0.22 J	0.14 J	0.17 J

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Table 7. Summary of Per- and Polyfluoroalkyl Substances in Soil, 1920 Turnbull Avenue Site A, Bronx, New York **DRAFT**

			Sample Designation:		ASB-1	ASB-2	ASB-3	ASB-4
			Sample Date:		10/08/2025	10/10/2025	10/08/2025	10/08/2025
			Sample Depth (ft bls):		8 - 10	8 - 10	9 - 11	7 - 9
			Normal Sample or Field Duplicate:		N	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use GV	NYSDEC Part 375 Restricted Residential GV	NYSDEC Part 375 Protection of Groundwater GV	Units				
Perfluoropentanesulfonic Acid (PFPeS)	--	--	--	UG/KG	0.28 U	0.26 U	0.24 U	0.22 U
Perfluoropentanoic Acid (PFPeA)	--	--	--	UG/KG	0.28 U	0.26 U	0.24 U	0.22 U
Perfluorotetradecanoic acid (PFTA)	--	--	--	UG/KG	0.28 U	0.26 U	0.24 U	0.22 U
Perfluorotridecanoic Acid (PFTriA)	--	--	--	UG/KG	0.28 U	0.26 U	0.24 U	0.22 U
Perfluoroundecanoic Acid (PFUnA)	--	--	--	UG/KG	0.28 U	0.26 U	0.24 U	0.22 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	--	--	--	UG/KG	0.56 U	0.52 U	0.48 U	0.45 U
Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)	--	--	--	UG/KG	0.56 U	0.52 U	0.48 U	0.45 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	--	--	--	UG/KG	0.56 U	0.25 J	0.48 U	0.45 U

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Table 7. Summary of Per- and Polyfluoroalkyl Substances in Soil, 1920 Turnbull Avenue Site A, Bronx, New York **DRAFT**

				Sample Designation:	ASB-4	ASB-5	ASB-6	ASB-7
				Sample Date:	10/08/2025	10/08/2025	10/10/2025	10/10/2025
				Sample Depth (ft bls):	7 - 9	8 - 10	8 - 10	8 - 10
				Normal Sample or Field Duplicate:	FD	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use GV	NYSDEC Part 375 Restricted Residential GV	NYSDEC Part 375 Protection of Groundwater GV	Units				
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	--	--	--	UG/KG	0.22 U	0.28 U	0.24 U	0.22 U
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	--	--	--	UG/KG	1.1 U	1.41 U	1.19 U	1.09 U
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	--	--	--	UG/KG	1.1 U	1.41 U	1.19 U	1.09 U
2-(N-methyl perfluorooctanesulfonamido) acetic acid	--	--	--	UG/KG	0.22 U	0.28 U	0.24 U	0.22 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	--	--	--	UG/KG	1.1 U	1.41 U	1.19 U	1.09 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	--	--	--	UG/KG	1.1 U	1.41 U	1.19 U	1.09 U
3-Perfluoropropyl propanoic acid (3:3 FTCA)	--	--	--	UG/KG	0.44 UT	0.56 UT	0.48 U	0.44 U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	--	--	--	UG/KG	0.22 U	0.28 U	0.24 U	0.22 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	--	--	--	UG/KG	0.22 U	0.28 U	0.24 U	0.22 U
N-ethyl perfluoro-1-octanesulfonamide	--	--	--	UG/KG	0.22 U	0.28 U	0.24 U	0.22 U
N-ethyl perfluorooctanesulfonamidoacetic acid	--	--	--	UG/KG	0.22 U	0.28 U	0.24 U	0.22 U
N-methyl perfluoro-1-octanesulfonamide	--	--	--	UG/KG	0.22 U	0.28 U	0.24 U	0.22 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	--	--	--	UG/KG	0.22 U	0.28 U	0.24 U	0.22 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	--	--	--	UG/KG	0.22 U	0.28 U	0.24 U	0.22 U
Perfluoro(2-Propoxypropanoic) Acid	--	--	--	UG/KG	0.22 U	0.28 U	0.24 U	0.22 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	--	--	--	UG/KG	0.22 U	0.28 U	0.24 U	0.22 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	--	--	--	UG/KG	0.22 U	0.28 U	0.24 U	0.22 U
Perfluorobutanesulfonic acid (PFBS)	--	--	--	UG/KG	0.22 U	0.28 U	0.24 U	0.22 U
Perfluorobutanoic Acid	--	--	--	UG/KG	0.21 J	0.56 U	0.48 U	0.44 U
Perfluorodecane Sulfonic Acid	--	--	--	UG/KG	0.22 U	0.28 U	0.24 U	0.22 U
Perfluorodecanoic acid (PFDA)	--	--	--	UG/KG	0.22 U	0.28 U	0.24 U	0.22 U
Perfluorododecane sulfonate (PFDoDS)	--	--	--	UG/KG	0.22 U	0.28 U	0.24 U	0.22 U
Perfluorododecanoic acid (PFDoA)	--	--	--	UG/KG	0.22 U	0.28 U	0.24 U	0.22 U
Perfluoroheptane Sulfonate (PFHPS)	--	--	--	UG/KG	0.22 U	0.28 U	0.24 U	0.22 U
Perfluoroheptanoic acid (PFHpA)	--	--	--	UG/KG	0.22 U	0.28 U	0.24 U	0.22 U
Perfluorohexanesulfonic acid (PFHxS)	--	--	--	UG/KG	0.22 U	0.28 U	0.24 U	0.22 U
Perfluorohexanoic acid (PFHxA)	--	--	--	UG/KG	0.22 U	0.28 U	0.24 U	0.22 U
Perfluorononanesulfonic Acid (PFNS)	--	--	--	UG/KG	0.22 U	0.28 U	0.24 U	0.22 U
Perfluorononanoic acid (PFNA)	--	--	--	UG/KG	0.22 U	0.28 U	0.24 U	0.22 U
Perfluorooctane Sulfonamide (FOSA)	--	--	--	UG/KG	0.22 U	0.28 U	0.24 U	0.22 U
Perfluorooctanesulfonic acid (PFOS)	0.88	44	1	UG/KG	0.064 J	0.18 J	0.24 U	0.055 J
Perfluorooctanoic acid (PFOA)	0.66	33	0.8	UG/KG	0.17 J	0.21 J	0.24 U	0.22 U

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Table 7. Summary of Per- and Polyfluoroalkyl Substances in Soil, 1920 Turnbull Avenue Site A, Bronx, New York **DRAFT**

			Sample Designation:		ASB-4	ASB-5	ASB-6	ASB-7
			Sample Date:		10/08/2025	10/08/2025	10/10/2025	10/10/2025
			Sample Depth (ft bls):		7 - 9	8 - 10	8 - 10	8 - 10
			Normal Sample or Field Duplicate:		FD	N	N	N
Parameter	NYSDEC Part 375 Unrestricted Use GV	NYSDEC Part 375 Restricted Residential GV	NYSDEC Part 375 Protection of Groundwater GV	Units				
Perfluoropentanesulfonic Acid (PFPeS)	--	--	--	UG/KG	0.22 U	0.28 U	0.24 U	0.22 U
Perfluoropentanoic Acid (PFPeA)	--	--	--	UG/KG	0.22 U	0.28 U	0.24 U	0.22 U
Perfluorotetradecanoic acid (PFTA)	--	--	--	UG/KG	0.22 U	0.28 U	0.24 U	0.22 U
Perfluorotridecanoic Acid (PFTriA)	--	--	--	UG/KG	0.22 U	0.28 U	0.24 U	0.22 U
Perfluoroundecanoic Acid (PFUnA)	--	--	--	UG/KG	0.22 U	0.28 U	0.24 U	0.22 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	--	--	--	UG/KG	0.44 U	0.56 U	0.48 U	0.44 U
Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)	--	--	--	UG/KG	0.44 U	0.56 U	0.48 U	0.44 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	--	--	--	UG/KG	0.44 U	0.56 U	0.48 U	0.44 U

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Table 7. Summary of Per- and Polyfluoroalkyl Substances in Soil, 1920 Turnbull Avenue Site A, Bronx, New York

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				Sample Designation:	ASB-8
				Sample Date:	10/10/2025
				Sample Depth (ft bls):	8 - 10
				Normal Sample or Field Duplicate:	N
Parameter	NYSDEC Part 375 Unrestricted Use GV	NYSDEC Part 375 Restricted Residential GV	NYSDEC Part 375 Protection of Groundwater GV	Units	
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	--	--	--	UG/KG	0.25 U
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	--	--	--	UG/KG	1.24 U
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	--	--	--	UG/KG	1.24 U
2-(N-methyl perfluorooctanesulfonamido) acetic acid	--	--	--	UG/KG	0.25 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	--	--	--	UG/KG	1.24 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	--	--	--	UG/KG	1.24 U
3-Perfluoropropyl propanoic acid (3:3 FTCA)	--	--	--	UG/KG	0.5 U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	--	--	--	UG/KG	0.25 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	--	--	--	UG/KG	0.25 U
N-ethyl perfluoro-1-octanesulfonamide	--	--	--	UG/KG	0.25 U
N-ethyl perfluorooctanesulfonamidoacetic acid	--	--	--	UG/KG	0.25 U
N-methyl perfluoro-1-octanesulfonamide	--	--	--	UG/KG	0.25 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	--	--	--	UG/KG	0.25 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	--	--	--	UG/KG	0.25 U
Perfluoro(2-Propoxypropanoic) Acid	--	--	--	UG/KG	0.25 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	--	--	--	UG/KG	0.25 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	--	--	--	UG/KG	0.25 U
Perfluorobutanesulfonic acid (PFBS)	--	--	--	UG/KG	0.25 U
Perfluorobutanoic Acid	--	--	--	UG/KG	0.5 U
Perfluorodecane Sulfonic Acid	--	--	--	UG/KG	0.25 U
Perfluorodecanoic acid (PFDA)	--	--	--	UG/KG	0.25 U
Perfluorododecane sulfonate (PFDoDS)	--	--	--	UG/KG	0.25 U
Perfluorododecanoic acid (PFDoA)	--	--	--	UG/KG	0.25 U
Perfluoroheptane Sulfonate (PFHPS)	--	--	--	UG/KG	0.25 U
Perfluoroheptanoic acid (PFHpA)	--	--	--	UG/KG	0.25 U
Perfluorohexanesulfonic acid (PFHxS)	--	--	--	UG/KG	0.25 U
Perfluorohexanoic acid (PFHxA)	--	--	--	UG/KG	0.16 J
Perfluorononanesulfonic Acid (PFNS)	--	--	--	UG/KG	0.25 U
Perfluorononanoic acid (PFNA)	--	--	--	UG/KG	0.25 U
Perfluorooctane Sulfonamide (FOSA)	--	--	--	UG/KG	0.25 U
Perfluorooctanesulfonic acid (PFOS)	0.88	44	1	UG/KG	0.12 J
Perfluorooctanoic acid (PFOA)	0.66	33	0.8	UG/KG	0.25 U

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Table 7. Summary of Per- and Polyfluoroalkyl Substances in Soil, 1920 Turnbull Avenue Site A, Bronx, New York

				Sample Designation:	ASB-8
				Sample Date:	10/10/2025
				Sample Depth (ft bls):	8 - 10
				Normal Sample or Field Duplicate:	N
Parameter	NYSDEC Part 375 Unrestricted Use GV	NYSDEC Part 375 Restricted Residential GV	NYSDEC Part 375 Protection of Groundwater GV	Units	
Perfluoropentanesulfonic Acid (PFPeS)	--	--	--	UG/KG	0.25 U
Perfluoropentanoic Acid (PFPeA)	--	--	--	UG/KG	0.26
Perfluorotetradecanoic acid (PFTA)	--	--	--	UG/KG	0.25 U
Perfluorotridecanoic Acid (PFTriA)	--	--	--	UG/KG	0.25 U
Perfluoroundecanoic Acid (PFUnA)	--	--	--	UG/KG	0.25 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	--	--	--	UG/KG	0.5 U
Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)	--	--	--	UG/KG	0.5 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	--	--	--	UG/KG	0.5 U

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Table 8. Summary of Volatile Organic Compounds in Groundwater, 1920 Turnbull Avenue Site A, Bronx, New York

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Sample Designation:			TW-1	AMW-1	AMW-1	AMW-2	AMW-3
Sample Date:			10/03/2023	10/30/2025	10/30/2025	10/30/2025	10/30/2025
Normal Sample or Field Duplicate:			N	N	FD	N	N
Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units					
1,1,1-Trichloroethane (TCA)	5	UG/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethane	5	UG/L	1 U	1 U	1 U	1 U	1 U
1,1-Dichloroethene	5	UG/L	1 U	1 U	1 U	1 U	1 U
1,2,4-Trimethylbenzene	5	UG/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichlorobenzene	3	UG/L	1 U	1 U	1 U	1 U	1 U
1,2-Dichloroethane	0.6	UG/L	1 U	0.3 U	0.3 U	0.3 U	0.3 U
1,3,5-Trimethylbenzene (Mesitylene)	5	UG/L	1 U	1 U	1 U	1 U	1 U
1,3-Dichlorobenzene	3	UG/L	1 U	1 U	1 U	1 U	1 U
1,4-Dichlorobenzene	3	UG/L	1 U	1 U	1 U	1 U	1 U
Acetone	50	UG/L	5 U	5 U	5 U	5 U	5 U
Benzene	1	UG/L	1 U	0.45 U	0.45 U	0.45 U	0.45 U
Carbon Tetrachloride	5	UG/L	1 U	1 U	1 U	1 U	1 U
Chlorobenzene	5	UG/L	1 U	1 U	1 U	1 U	1 U
Chloroform	7	UG/L	1 U	1 U	1 U	1 U	1 U
Cis-1,2-Dichloroethylene	5	UG/L	1 U	1 U	1 U	1 U	1 U
Ethylbenzene	5	UG/L	1 U	1 U	1 U	1 U	1 U
Methyl Ethyl Ketone (2-Butanone)	50	UG/L	5 U	5 U	5 U	5 U	5 U
Methylene Chloride	5	UG/L	1 U	1 U	1 U	1 U	1 U
N-Butylbenzene	5	UG/L	1 U	1 U	1 U	1 U	1 U
N-Propylbenzene	5	UG/L	1 U	1 U	1 U	1 U	1 U
Sec-Butylbenzene	5	UG/L	1 U	1 U	1 U	1 U	1 U
T-Butylbenzene	5	UG/L	1 U	1 U	1 U	1 U	1 U
Tert-Butyl Methyl Ether	10	UG/L	1 U	1 U	1 U	1 U	1 U
Tetrachloroethylene (PCE)	5	UG/L	1 U	0.4 U	0.4 U	0.4 U	0.4 U
Toluene	5	UG/L	1 U	1 U	1 U	1 U	1 U
Trans-1,2-Dichloroethene	5	UG/L	1 U	1 U	1 U	1 U	1 U
Trichloroethylene (TCE)	5	UG/L	1 U	0.28 U	0.28 U	0.28 U	0.28 U
Vinyl Chloride	2	UG/L	1 U	1 U	1 U	1 U	1 U
Xylenes	5	UG/L	2 U	2 U	2 U	2 U	2 U

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Table 9. Summary of Semivolatile Organic Compounds in Groundwater, 1920 Turnbull Avenue Site A, Bronx, New York

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		Sample Designation:	TW-1	AMW-1	AMW-1	AMW-2	AMW-3
		Sample Date:	10/03/2023	10/30/2025	10/30/2025	10/30/2025	10/30/2025
		Normal Sample or Field Duplicate:	N	N	FD	N	N
Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units					
1,4-Dioxane (P-Dioxane)	0.35	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
2-Methylphenol (O-Cresol)	--	UG/L	10 U	10 U	10 U	10 U	10 U
Acenaphthene	20	UG/L	10 U	10 U	10 U	10 U	10 U
Acenaphthylene	20	UG/L	10 U	10 U	10 U	10 U	10 U
Anthracene	50	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(A)Anthracene	0.002	UG/L	1 U	1 U	1 U	1 U	1 U
Benzo(A)Pyrene	0	UG/L	1 U	1 U	1 U	1 U	1 U
Benzo(B)Fluoranthene	0.002	UG/L	2 U	2 U	2 U	2 U	2 U
Benzo(G,H,I)Perylene	--	UG/L	10 U	10 U	10 U	10 U	10 U
Benzo(K)Fluoranthene	0.002	UG/L	1 U	1 U	1 U	1 U	1 U
Chrysene	0.002	UG/L	2 U	2 U	2 U	2 U	2 U
Cresols, M & P	--	UG/L	10 U	10 U	10 U	10 U	10 U
Dibenz(A,H)Anthracene	--	UG/L	1 U	1 U	1 U	1 U	1 U
Dibenzofuran	--	UG/L	10 U	10 U	10 U	10 U	10 U
Fluoranthene	50	UG/L	10 U	10 U	10 U	10 U	10 U
Fluorene	50	UG/L	10 U	10 U	10 U	10 U	10 U
Hexachlorobenzene	0.04	UG/L	1 U	1 U	1 U	1 U	1 U
Indeno(1,2,3-C,D)Pyrene	0.002	UG/L	2 U	2 U	2 U	2 U	2 U
Naphthalene	10	UG/L	2 U	2 U	2 U	2 U	2 U
Pentachlorophenol	1	UG/L	20 U	20 U	20 U	20 U	20 U
Phenanthrene	50	UG/L	10 U	10 U	10 U	10 U	10 U
Phenol	1	UG/L	10 U	10 U	10 U	10 U	10 U
Pyrene	50	UG/L	10 U	10 U	10 U	10 U	10 U

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Table 10. Summary of Metals in Groundwater, 1920 Turnbull Avenue Site A, Bronx, New York

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Sample Designation:			TW-1	TW-1	AMW-1	AMW-1	AMW-1	AMW-1	AMW-2	AMW-2	AMW-3
Sample Date:			10/03/2023	10/03/2023	10/30/2025	10/30/2025	10/30/2025	10/30/2025	10/30/2025	10/30/2025	10/30/2025
Normal Sample or Field Duplicate:			N	N	N	N	FD	FD	N	N	N
Total or Dissolved:			T	D	T	D	T	D	T	D	T
Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units									
Arsenic	25	UG/L	1.3 J	2 U	2 U	2 U	2 U	2 U	2 U	0.6 J	0.73 J
Barium	1000	UG/L	268	253	241	251	236	248	146	159	365
Beryllium	3	UG/L	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U	0.8 U
Cadmium	5	UG/L	2 U	2 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
Chromium III	--	UG/L	10 U	NA	10 U	NA	10 U	NA	10 U	NA	10 U
Chromium, Hexavalent	50	UG/L	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U	10 U
Chromium, Total	50	UG/L	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U
Copper	200	UG/L	5	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U
Cyanide	200	UG/L	18.6	NA	22.2	NA	23	NA	17.2	NA	12.8
Lead	25	UG/L	13.7	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
Manganese	300	UG/L	212	193	102	99.2	97.2	101	63.6	70.9	151
Mercury	0.7	UG/L	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
Nickel	100	UG/L	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U	4 U
Selenium	10	UG/L	2.5 U	2.5 U	2.5 U	1.2 J	2.5 U	0.89 J	2.5 U	5.6	2.5 U
Silver	50	UG/L	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U	2 U
Zinc	2000	UG/L	32.7	4.7 J	16 U	16 U	16 U	16 U	16 U	16 U	4.9 J

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		Sample Designation:	AMW-3
		Sample Date:	10/30/2025
		Normal Sample or Field Duplicate:	N
		Total or Dissolved:	D
Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units	
Arsenic	25	UG/L	0.97 J
Barium	1000	UG/L	377
Beryllium	3	UG/L	0.8 U
Cadmium	5	UG/L	0.92 U
Chromium III	--	UG/L	NA
Chromium, Hexavalent	50	UG/L	10 U
Chromium, Total	50	UG/L	4 U
Copper	200	UG/L	4 U
Cyanide	200	UG/L	NA
Lead	25	UG/L	1.2 U
Manganese	300	UG/L	157
Mercury	0.7	UG/L	0.2 U
Nickel	100	UG/L	4 U
Selenium	10	UG/L	0.65 J
Silver	50	UG/L	2 U
Zinc	2000	UG/L	4.3 J

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Table 11. Summary of Polychlorinated Biphenyls in Groundwater, 1920 Turnbull Avenue Site A, Bronx, New York

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		Sample Designation:	TW-1	AMW-1	AMW-1	AMW-2	AMW-3
		Sample Date:	10/03/2023	10/30/2025	10/30/2025	10/30/2025	10/30/2025
		Normal Sample or Field Duplicate:	N	N	FD	N	N
Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units					
PCB-1016 (Aroclor 1016)	--	UG/L	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U
PCB-1221 (Aroclor 1221)	--	UG/L	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U
PCB-1232 (Aroclor 1232)	--	UG/L	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U
PCB-1242 (Aroclor 1242)	--	UG/L	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U
PCB-1248 (Aroclor 1248)	--	UG/L	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U
PCB-1254 (Aroclor 1254)	--	UG/L	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U
PCB-1260 (Aroclor 1260)	--	UG/L	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U
PCB-1262 (Aroclor 1262)	--	UG/L	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U
PCB-1268 (Aroclor 1268)	--	UG/L	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U
Polychlorinated Biphenyl (PCBs)	0.09	UG/L	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U

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Table 12. Summary of Pesticides and Herbicides in Groundwater, 1920 Turnbull Avenue Site A, Bronx, New York

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		Sample Designation:	TW-1	AMW-1	AMW-1	AMW-2	AMW-3
		Sample Date:	10/03/2023	10/30/2025	10/30/2025	10/30/2025	10/30/2025
		Normal Sample or Field Duplicate:	N	N	FD	N	N
Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units					
Aldrin	0	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Alpha Bhc (Alpha Hexachlorocyclohexane)	0.01	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Alpha Endosulfan	--	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Beta Bhc (Beta Hexachlorocyclohexane)	0.04	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Beta Endosulfan	--	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Chlordane (Technical)	--	UG/L	0.5 U	0.2 U	0.2 U	0.2 U	0.2 U
cis-Chlordane	--	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Delta BHC (Delta Hexachlorocyclohexane)	0.04	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Dieldrin	0.004	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Endosulfan Sulfate	--	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Endrin	0	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Endrin Aldehyde	5	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Endrin Ketone	5	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Gamma Bhc (Lindane)	0.05	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Heptachlor	0.04	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Heptachlor Epoxide	0.03	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Methoxychlor	35	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
P,P'-DDD	0.3	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
P,P'-DDE	0.2	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
P,P'-DDT	0.2	UG/L	0.02 U	0.02 U	0.02 U	0.02 U	0.02 U
Toxaphene	0.06	UG/L	0.5 U	0.5 U	0.5 U	0.5 U	0.5 U

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Table 13. Summary of Per- and Polyfluoroalkyl Substances in Groundwater, 1920 Turnbull Avenue Site A, Bronx, New York

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	Sample Designation:		AMW-1	AMW-1	AMW-2	AMW-3
	Sample Date:		10/30/2025	10/30/2025	10/30/2025	10/30/2025
	Normal Sample or Field Duplicate:		N	FD	N	N
Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units				
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	--	NG/L	1.45 U	1.47 U	1.44 U	1.44 U
2-(N-ethyl perfluoro-1-octanesulfonamido)-ethanol	--	NG/L	7.26 U	7.35 U	7.2 U	7.22 U
2-(N-methyl perfluoro-1-octanesulfonamido)-ethanol	--	NG/L	7.26 U	7.35 U	7.2 U	7.22 U
2-(N-methyl perfluorooctanesulfonamido) acetic acid	--	NG/L	1.45 U	1.47 U	1.44 U	1.44 U
2H,2H,3H,3H-Perfluorooctanoic acid (5:3FTCA)	--	NG/L	7.26 U	7.35 U	7.2 U	7.22 U
3-Perfluoroheptyl propanoic acid (7:3FTCA)	--	NG/L	7.26 U	7.35 U	7.2 U	7.22 U
3-Perfluoropropyl propanoic acid (3:3 FTCA)	--	NG/L	2.91 U	2.94 U	2.88 U	2.89 U
4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	--	NG/L	1.45 U	1.47 U	1.44 U	1.44 U
9-Chlorohexadecafluoro-3-Oxanonane-1-Sulfonic Acid	--	NG/L	1.45 U	1.47 U	1.44 U	1.44 U
N-ethyl perfluoro-1-octanesulfonamide	--	NG/L	1.45 U	1.47 U	1.44 U	1.44 U
N-ethyl perfluorooctanesulfonamidoacetic acid	--	NG/L	1.45 U	1.47 U	1.44 U	1.44 U
N-methyl perfluoro-1-octanesulfonamide	--	NG/L	1.45 U	1.47 U	1.44 U	1.44 U
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	--	NG/L	1.45 U	1.47 U	1.44 U	1.44 U
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	--	NG/L	1.45 U	1.47 U	1.44 U	1.44 U
Perfluoro(2-Propoxypropanoic) Acid	--	NG/L	1.09 U	1.1 U	1.08 U	1.08 U
Perfluoro-3-methoxypropanoic acid (PFMPA)	--	NG/L	1.45 U	1.47 U	1.44 U	1.44 U
Perfluoro-4-methoxybutanoic acid (PFMBA)	--	NG/L	1.45 U	1.47 U	1.44 U	1.44 U
Perfluorobutanesulfonic acid (PFBS)	--	NG/L	1.45 U	0.59 J	1.44 U	0.62 J
Perfluorobutanoic Acid	--	NG/L	0.96 BJ	1.03 BJ	1.26 BJ	0.86 BJ
Perfluorodecane Sulfonic Acid	--	NG/L	1.45 U	1.47 U	1.44 U	1.44 U
Perfluorodecanoic acid (PFDA)	--	NG/L	1.45 U	1.47 U	1.44 U	1.44 U
Perfluorododecane sulfonate (PFDoDS)	--	NG/L	1.45 U	1.47 U	1.44 U	1.44 U
Perfluorododecanoic acid (PFDoA)	--	NG/L	1.45 U	1.47 U	1.44 U	1.44 U
Perfluoroheptane Sulfonate (PFHPS)	--	NG/L	1.45 U	1.47 U	1.44 U	1.44 U
Perfluoroheptanoic acid (PFHpA)	--	NG/L	0.46 J	0.52 J	0.8 J	0.54 J
Perfluorohexanesulfonic acid (PFHxS)	--	NG/L	0.58 J	0.62 J	0.78 J	0.67 J
Perfluorohexanoic acid (PFHxA)	--	NG/L	0.74 J	1.47 U	1.44 U	0.61 J
Perfluorononanesulfonic Acid (PFNS)	--	NG/L	1.45 U	1.47 U	1.44 U	1.44 U
Perfluorononanoic acid (PFNA)	--	NG/L	0.55 J	0.57 J	0.76 J	0.69 J
Perfluorooctane Sulfonamide (FOSA)	--	NG/L	1.45 U	1.47 U	1.44 U	1.44 U
Perfluorooctanesulfonic acid (PFOS)	**2.7**	NG/L	**3.23**	**3.24**	**5.12**	**3.42**
Perfluorooctanoic acid (PFOA)	6.7	NG/L	1.46	1.66	2.55	1.68
Perfluoropentanesulfonic Acid (PFPeS)	--	NG/L	1.45 U	1.47 U	1.44 U	1.44 U
Perfluoropentanoic Acid (PFPeA)	--	NG/L	0.77 J	0.83 J	1.25 J	0.77 J

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Table 13. Summary of Per- and Polyfluoroalkyl Substances in Groundwater, 1920 Turnbull Avenue Site A, Bronx, New York

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		Sample Designation:	AMW-1	AMW-1	AMW-2	AMW-3
		Sample Date:	10/30/2025	10/30/2025	10/30/2025	10/30/2025
		Normal Sample or Field Duplicate:	N	FD	N	N
Parameter	NYSDEC Ambient Water Quality Standards and Guidance Values	Units				
Perfluorotetradecanoic acid (PFTA)	--	NG/L	1.45 U	1.47 U	1.44 U	1.44 U
Perfluorotridecanoic Acid (PFTriA)	--	NG/L	1.45 U	1.47 U	1.44 U	1.44 U
Perfluoroundecanoic Acid (PFUnA)	--	NG/L	1.45 U	1.47 U	1.44 U	1.44 U
Sodium 1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2)	--	NG/L	2.91 U	2.94 U	2.88 U	2.89 U
Sodium 1H,1H,2H,2H-Perfluorohexane Sulfonate (4:2)	--	NG/L	2.91 U	2.94 U	2.88 U	2.89 U
Sodium 1H,1H,2H,2H-Perfluorooctane Sulfonate (6:2)	--	NG/L	2.91 U	2.94 U	2.88 U	2.89 U

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Table 14. Summary of Volatile Organic Compounds in Soil Vapor, 1920 Turnbull Avenue Site A, Bronx, New York **DRAFT**

Sample Designation:		SV-1	SV-1	AAA	ASV-1	ASV-2	ASV-3	ASV-4	ASV-4
Sample Date:		10/04/2023	10/04/2023	10/17/2025	10/17/2025	10/17/2025	10/17/2025	10/17/2025	10/17/2025
Normal Sample or Field Duplicate:		N	FD	N	N	N	N	N	FD
Parameter	Units								
1,1,1-Trichloroethane (TCA)	UG/M3	2.2 U	1.1 U	1.1 U	1.1 U	**0.84 J**	**0.47 J**	**2.2**	**2.2**
1,1,2,2-Tetrachloroethane	UG/M3	2.7 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
1,1,2-Trichloro-1,2,2-Trifluoroethane	UG/M3	3.1 U	**0.44 J**	**0.59 J**	**0.7 J**	**0.77 J**	**0.73 J**	**0.65 J**	**0.63 J**
1,1,2-Trichloroethane	UG/M3	2.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
1,1-Dichloroethane	UG/M3	1.6 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
1,1-Dichloroethene	UG/M3	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U
1,2,4-Trichlorobenzene	UG/M3	7.4 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U	3.7 U
1,2,4-Trimethylbenzene	UG/M3	**3.5**	**2.5**	0.98 U	**1.7**	**12**	**1**	0.98 U	0.98 U
1,2-Dibromoethane (Ethylene Dibromide)	UG/M3	3.1 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
1,2-Dichlorobenzene	UG/M3	2.4 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,2-Dichloroethane	UG/M3	1.6 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U	0.81 U
1,2-Dichloropropane	UG/M3	1.8 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U	0.92 U
1,2-Dichlorotetrafluoroethane	UG/M3	2.8 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
1,3,5-Trimethylbenzene (Mesitylene)	UG/M3	**0.48 J**	**0.49 J**	0.98 U	**0.94 J**	**5.1**	0.98 U	0.98 U	0.98 U
1,3-Butadiene	UG/M3	**0.31 J**	**0.28 J**	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U	0.44 U
1,3-Dichlorobenzene	UG/M3	**13**	**14**	1.2 U	**6.4**	**6**	**4.8**	**0.93 J**	**5.3**
1,4-Dichlorobenzene	UG/M3	2.4 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U	1.2 U
1,4-Dioxane (P-Dioxane)	UG/M3	36 U	18 U	18 U	18 U	18 U	18 U	18 U	18 U
2,2,4-Trimethylpentane	UG/M3	**2.6**	**2.5**	**0.49 J**	**3.9**	**3**	**3.3**	**1.3**	**1.5**
2-Chlorotoluene	UG/M3	2.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
2-Hexanone	UG/M3	**1.8 J**	**1.4 J**	2.1 U	**1.4 J**	**1.7 J**	2.1 U	2.1 U	**0.98 J**
4-Ethyltoluene	UG/M3	**0.5 J**	**0.5 J**	0.98 U	**2.2**	**12**	**1.5**	0.98 U	**0.6 J**
Acetone	UG/M3	**510 D**	**420 D**	**92 D**	**450 D**	**460 D**	**310 D**	**190 D**	**220 D**
Allyl Chloride (3-Chloropropene)	UG/M3	3.1 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
Benzene	UG/M3	**4.4**	**4.2**	**0.8**	**3.6**	**2.9**	**11**	**1.3**	**1.4**
Benzyl Chloride	UG/M3	2.1 U	1 U	1 U	1 U	1 U	1 U	1 U	1 U
Bromodichloromethane	UG/M3	2.7 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	**2.3**	**2.3**
Bromoform	UG/M3	4.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Bromomethane	UG/M3	1.6 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U	0.78 U
Butane	UG/M3	**27**	**25**	**3.2**	**8.1**	**4.7**	**22**	**2.6**	**2.6**
Carbon Disulfide	UG/M3	**32**	**2.9**	**0.79 J**	**8.8**	**3.7**	**21**	**1.3 J**	**1.4 J**
Carbon Tetrachloride	UG/M3	0.44 U	**0.26**	**0.49**	0.22 U	**0.17 J**	0.22 U	0.22 U	0.22 U
Chlorobenzene	UG/M3	**0.73 J**	**0.68 J**	0.92 U	**0.35 J**	0.92 U	0.92 U	0.92 U	0.92 U
Chlorodifluoromethane	UG/M3	3.5 U	**0.69 J**	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U	1.8 U
Chloroethane	UG/M3	2.6 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U	1.3 U
Chloroform	UG/M3	**1.5 J**	**1.4**	0.98 U	**1.3**	**4.1**	**4.2**	**170 D**	**170 D**
Chloromethane	UG/M3	**2.1**	**2**	1 U	1 U	1 U	1 U	1 U	1 U

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Table 14. Summary of Volatile Organic Compounds in Soil Vapor, 1920 Turnbull Avenue Site A, Bronx, New York **DRAFT**

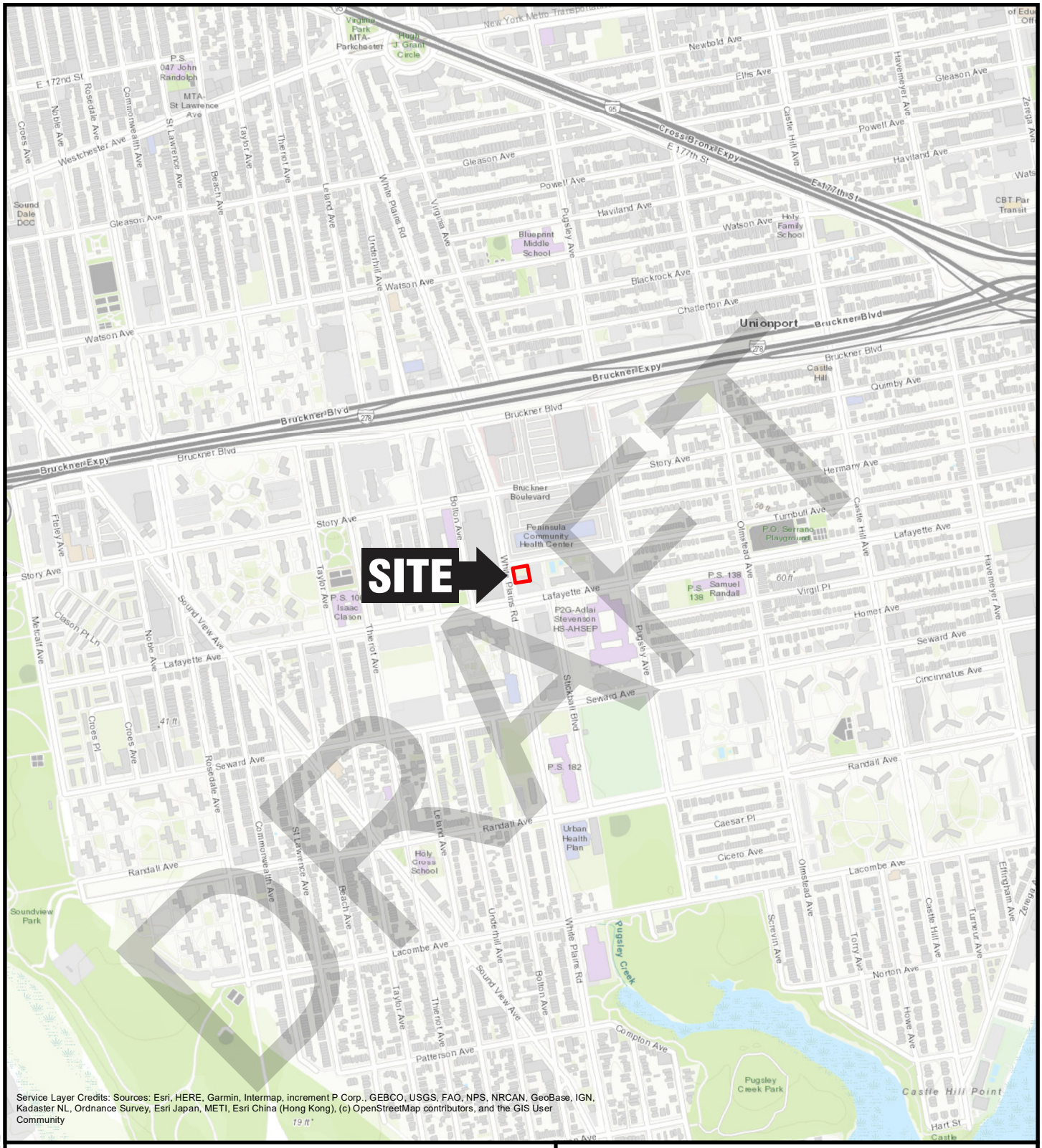
Sample Designation:		SV-1	SV-1	AAA	ASV-1	ASV-2	ASV-3	ASV-4	ASV-4
Sample Date:		10/04/2023	10/04/2023	10/17/2025	10/17/2025	10/17/2025	10/17/2025	10/17/2025	10/17/2025
Normal Sample or Field Duplicate:		N	FD	N	N	N	N	N	FD
Parameter	Units								
Cis-1,2-Dichloroethylene	UG/M3	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	**0.12 J**	0.2 U	0.2 U
Cis-1,3-Dichloropropene	UG/M3	1.8 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Cyclohexane	UG/M3	**1.5**	**1.5**	**0.48 J**	**11**	**7.3**	**14**	**2.9**	**3.2**
Cymene	UG/M3	**1.7 J**	**1 J**	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Dibromochloromethane	UG/M3	3.4 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Dichlorodifluoromethane	UG/M3	**2.9 J**	**2.5**	**2.6**	**3.5**	**2.7**	**3**	**2.6**	**2.6**
Ethylbenzene	UG/M3	**4.3**	**4.1**	**1.1**	**5.8**	**7.8**	**5.5**	**2.5**	**3.9**
Hexachlorobutadiene	UG/M3	4.3 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Isopropanol	UG/M3	**75**	**68**	**48**	**7.4 J**	**5.1 J**	**7 J**	**5.8 J**	**8.7 J**
Isopropylbenzene (Cumene)	UG/M3	**0.46 J**	**0.43 J**	0.98 U	0.98 U	**0.98**	0.98 U	0.98 U	0.98 U
m,p-Xylene	UG/M3	**15**	**14**	**3.1**	**25**	**39**	**24**	**7.7**	**17**
Methyl Ethyl Ketone (2-Butanone)	UG/M3	**130**	**120 D**	**13**	**19**	**16**	**8.9**	**8.6**	**12**
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	UG/M3	**14**	**14**	**1.1 J**	**2.3**	**1.6 J**	**2.4**	**1.6 J**	**2.3**
Methyl Methacrylate	UG/M3	4.1 U	2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U
Methylene Chloride	UG/M3	3.5 U	**1.1 J**	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U	1.7 U
Naphthalene	UG/M3	5.2 U	2.6 U	2 U	2 U	2 U	2 U	2 U	2 U
N-Butylbenzene	UG/M3	2.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
N-Heptane	UG/M3	**8**	**5.8**	0.82 U	**25**	**8.7**	**9.3**	**2.6**	**3**
N-Hexane	UG/M3	**4.6**	**4.4**	**0.45 J**	**18**	**7.6**	**9.6**	**2.6**	**3**
N-Propylbenzene	UG/M3	2 U	**0.38 J**	0.98 U	**0.53 J**	**2.3**	0.98 U	0.98 U	0.98 U
O-Xylene (1,2-Dimethylbenzene)	UG/M3	**4.2**	**4.1**	**0.89**	**8.1**	**15**	**7.4**	**2**	**4.7**
Sec-Butylbenzene	UG/M3	2.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Styrene	UG/M3	**0.56 J**	**0.63 J**	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U	0.85 U
T-Butylbenzene	UG/M3	2.2 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U	1.1 U
Tert-Butyl Alcohol	UG/M3	**36**	**33**	15 U	**15**	**13 J**	**7.5 J**	**5.4 J**	**7.4 J**
Tert-Butyl Methyl Ether	UG/M3	1.4 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U	0.72 U
Tetrachloroethylene (PCE)	UG/M3	**3.8**	**1.7**	1.4 U	**1.1 J**	**11**	**11**	**27**	**23**
Tetrahydrofuran	UG/M3	29 U	15 U	15 U	15 U	15 U	15 U	15 U	15 U
Toluene	UG/M3	**11**	**11**	**1.7**	**24**	**32**	**30**	**9.9**	**10**
Trans-1,2-Dichloroethene	UG/M3	1.6 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U	0.79 U
Trans-1,3-Dichloropropene	UG/M3	1.8 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U	0.91 U
Trichloroethylene (TCE)	UG/M3	0.4 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	**8.3**	**8.1**
Trichlorofluoromethane	UG/M3	**0.82 J**	**0.81 J**	**1.2**	**1.2**	**1.8**	**1.8**	**1.4**	**1.4**
Vinyl Bromide	UG/M3	1.7 U	0.87 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U	0.88 U
Vinyl Chloride	UG/M3	**0.36 J**	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U	0.2 U

DRAFT

FIGURES

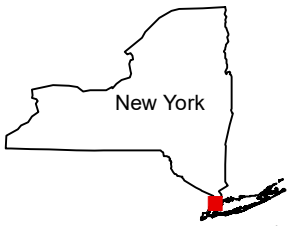
DRAFT

1. Site Location Map
2. Existing Conditions
3. Tax Map
4. Adjacent Property Owners
5. Surrounding Land Use and Sensitive Receptors
6. Previous Investigation Soil Sample Exceedances
7. Previous Investigation Soil Vapor Detections
8. Site Plan with Sampling Locations
9. Remedial Investigation Soil Sample Exceedances
10. Remedial Investigation Groundwater Exceedances
11. Remedial Investigation Soil Vapor Detections
12. Groundwater Contour Map



DRAFT

QUADRANGLE LOCATION



N

1,000 0 1,000'

Title:

SITE LOCATION MAP

LAFAYETTE SITE A
1920 TURNBULL AVENUE
BRONX, NEW YORK 10473

Prepared for:

GDC STRADA CASTLE HILL JV I LLC

ROUX

Compiled by: L.D.	Date: 12/02/2025
Prepared by: M.S.R.	Scale: AS SHOWN
Project Mgr: L.D.	Project: 3868.0004Y000
File: 3868.0004Y120.1.mxd	

FIGURE 1

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DRAFT

N

LEGEND

SITE BOUNDARY

NOTES

1. AERIAL SOURCE: GOOGLE EARTH 03-2025

60 0 60'

Title:

EXISTING CONDITIONS

LAFAYETTE SITE A
1920 TURNBULL AVENUE
BRONX, NEW YORK 10473

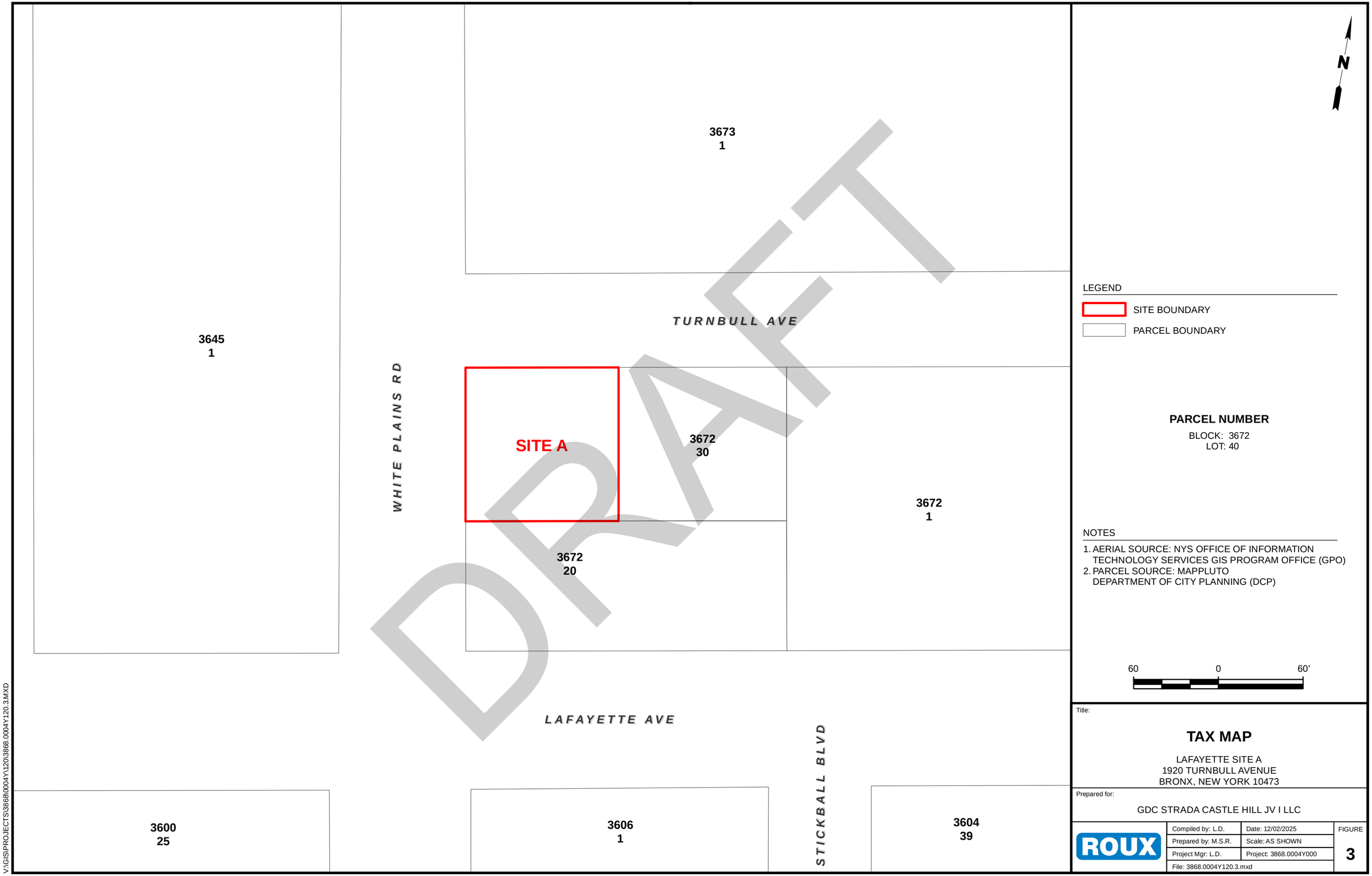
Prepared for:

GDC STRADA CASTLE HILL JV I LLC

ROUX

Compiled by: L.D.	Date: 12/02/2025	FIGURE
Prepared by: M.S.R.	Scale: AS SHOWN	2
Project Mgr: L.D.	Project: 3868.0004Y000	
File: 3868.0004Y120.2.mxd		

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DRAFT

Title:

TAX MAP

LAFAYETTE SITE A
1920 TURNBULL AVENUE
BRONX, NEW YORK 10473

Prepared for:

GDC STRADA CASTLE HILL JV I LLC

ROUX

Compiled by: L.D.	Date: 12/02/2025
Prepared by: M.S.R.	Scale: AS SHOWN
Project Mgr: L.D.	Project: 3868.0004Y000
File: 3868.0004Y120.3.mxd	

FIGURE 3

V:\GIS\PROJECTS\3868\0004Y\120\3868.0004Y120.3.MXD



DRAFT

N

LEGEND

- SITE BOUNDARY
- PARCEL BOUNDARY

PARCEL NUMBER

BLOCK: 3672
LOT: 40

NOTES

1. AERIAL SOURCE: GOOGLE EARTH 03-2025
2. PARCEL SOURCE: MAPPLUTO
   DEPARTMENT OF CITY PLANNING (DCP)

60 0 60'

Title:

ADJACENT LANDOWNERS

LAFAYETTE SITE A
1920 TURNBULL AVENUE
BRONX, NEW YORK 10473

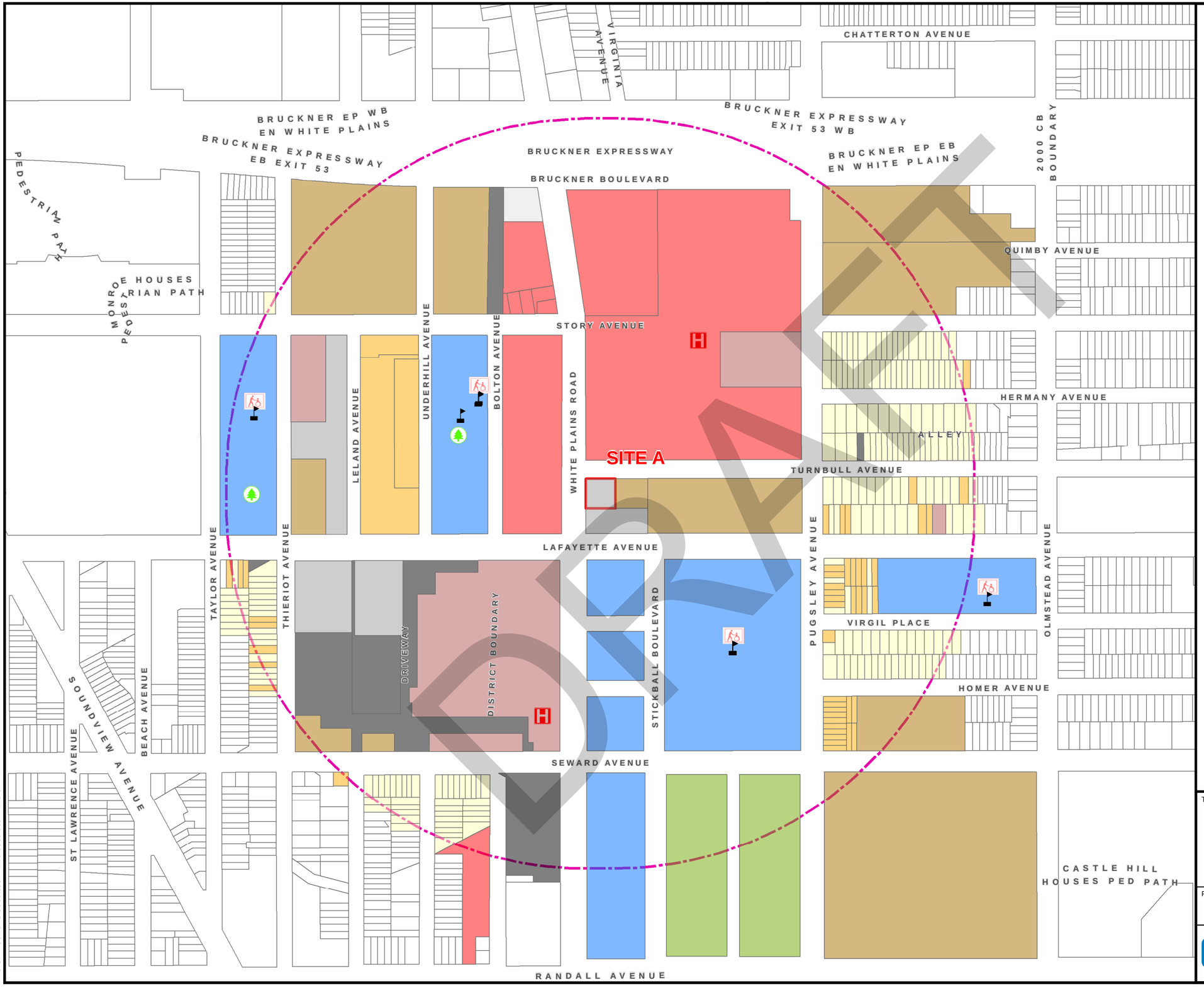
Prepared for:

GDC STRADA CASTLE HILL JV I LLC

ROUX

Compiled by: L.D.	Date: 12/02/2025	FIGURE
Prepared by: M.S.R.	Scale: AS SHOWN	4
Project Mgr: L.D.	Project: 3868.0004Y000	
File: 3868.0004Y120.4.mxd		

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N

LEGEND

- 1/4 MILE RADIUS AROUND SITE A
- SITE BOUNDARY

SENSITIVE RECEPTORS

- DAY CARE AND PRE-KINDERGARTEN
- HEALTH CARE
- PARKS AND PLAZAS
- SCHOOLS (K-12); SCHOOL

LAND USE CATEGORIES

- ALL OTHERS OR NO DATA
- ONE & TWO FAMILY BUILDINGS
- MULTI-FAMILY WALK-UP BUILDINGS
- MULTI-FAMILY ELEVATOR BUILDINGS
- MIXED COMMERCIAL & RESIDENTIAL BUILDINGS
- COMMERCIAL & OFFICE BUILDINGS
- PUBLIC FACILITES & INSTITUTIONS
- OPEN SPACE & OUTDOOR RECREATION
- PARKING FACILITIES
- VACANT LAND

NOTES

1. AERIAL SOURCE: NYS OFFICE OF INFORMATION TECHNOLOGY SERVICES GIS PROGRAM OFFICE (GPO)
2. PARCEL SOURCE INCLUDING LAND USE: CITY OF NEW YORK : ZOLA

350 0 350'

Title:

LAND USE AND SENSITIVE RECEPTORS MAP

LAFAYETTE SITE A
1920 TURNBULL AVENUE
BRONX, NEW YORK 10473

Prepared for:

GDC STRADA CASTLE HILL JV I LLC

ROUX

Compiled by: L.D.	Date: 12/02/2025	FIGURE
Prepared by: M.S.R.	Scale: AS SHOWN	5
Project Mgr: L.D.	Project: 3868.0004Y000	
File: 3868.0004Y120.5.mxd		

DRAFT

SB-7	07/03/2024	07/03/2024
Depth (ft bls)	0 - 2	9 - 11
SVOCs		
Benzo(A)Anthracene	**1.4**	NE
Benzo(B)Fluoranthene	**1.8**	NE
Indeno(1,2,3-C,D)Pyrene	**1.3**	NE
Metals		
Barium	**1920**	NE
Lead	**888**	**235**
Mercury	**0.75**	**0.19**
Zinc	**916**	**259**

SB-8	07/03/2024	07/03/2024
Depth (ft bls)	0 - 2	9 - 11
SVOCs		
Benzo(A)Anthracene	**1.1**	NE
Benzo(A)Pyrene	**1.1**	NE
Benzo(B)Fluoranthene	**1.2**	NE
Chrysene	**1.1**	NE
Indeno(1,2,3-C,D)Pyrene	**0.63**	NE
Metals		
Barium	**472**	NE
Copper	**149**	NE
Lead	**347**	**153**
Mercury	**0.2**	NE
Zinc	**488**	**129**

SB-9	07/03/2024	07/03/2024
Depth (ft bls)	0 - 2	9 - 11
Metals		
Barium	**4060**	NE
Copper	**78.9**	NE
Lead	**140**	**64.9**
Mercury	**0.83**	NE
Zinc	**1650**	NE

SB-2	10/03/2023	10/04/2023
Depth (ft bls)	0 - 2	6 - 8
SVOCs		
Benzo(A)Anthracene	NE	**8.2**
Benzo(A)Pyrene	NE	**8.2**
Benzo(B)Fluoranthene	NE	**6.8**
Benzo(K)Fluoranthene	NE	**3.8**
Chrysene	NE	**8**
Dibenz(A,H)Anthracene	NE	**0.89**
Indeno(1,2,3-C,D)Pyrene	NE	**3.9**
Metals		
Barium	NE	**489**
Copper	NE	**142**
Lead	**97.1**	**295**
Mercury	NE	**0.24**
Zinc	NE	**399**

SB-1	10/03/2023	10/03/2023
Depth (ft bls)	0 - 2	10 - 12
SVOCs		
Benzo(A)Anthracene	NE	**2.8**
Benzo(A)Pyrene	NE	**2.7**
Benzo(B)Fluoranthene	NE	**3.2**
Benzo(K)Fluoranthene	NE	**1.2**
Chrysene	NE	**2.6**
Dibenz(A,H)Anthracene	NE	**0.41**
Indeno(1,2,3-C,D)Pyrene	**0.6**	**1.9**
Metals		
Lead	**340**	**209**
Mercury	**0.21**	**0.29**
Zinc	**190**	**165**



Parameter	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Residential Soil Cleanup Objectives	NYSDEC Part 375 Protection of Groundwater Soil Cleanup Objectives	Units
SVOCs				
Benzo(A)Anthracene	**1**	1	1	mg/kg
Benzo(A)Pyrene	**1**	1	22	mg/kg
Benzo(B)Fluoranthene	**1**	1	1.7	mg/kg
Benzo(K)Fluoranthene	**0.8**	3.9	1.7	mg/kg
Chrysene	**1**	3.9	1	mg/kg
Dibenz(A,H)Anthracene	**0.33**	0.33	1000	mg/kg
Indeno(1,2,3-C,D)Pyrene	**0.5**	0.5	8.2	mg/kg
Metals				
Barium	**350**	400	820	mg/kg
Copper	**50**	270	1720	mg/kg
Lead	**63**	400	450	mg/kg
Mercury	**0.18**	0.81	0.73	mg/kg
Zinc	**109**	10000	2480	mg/kg

LEGEND

- LOCATION AND DESINGATION OF REMEDIAL INVESTIGATION SOIL BORING
- LOCATION AND DESIGNATION OF REMEDIAL INVESTIGATION SOIL BORING/PERMANENT MONITORING WELL
- LOCATION AND DESIGNATION OF REMEDIAL INVESTIGATION SOIL BORING/SOIL VAPOR POINT
- SOIL BORING LOCATION INSTALLED DURING THE ROUX 2024 SUPPLEMENTAL BCP ELIGIBILITY SAMPLING
- SOIL BORING AND TEMPORARY WELL LOCATION INSTALLED DURING THE ROUX 2023 PHASE II ESA
- SOIL BORING AND SOIL VAPOR POINT LOCATION INSTALLED DURING THE ROUX 2023 PHASE II ESA
- APPROXIMATE BOUNDARY OF FUTURE BUILDING'S CELLAR
- SITE BOUNDARY

NOTES

1. AERIAL SOURCE: NYS OFFICE OF INFORMATION TECHNOLOGY SERVICES GIS PROGRAM OFFICE (GPO)
2. BOLD DATA INDICATES THAT PARAMETER WAS DETECTED ABOVE THE NYSDEC PART 375 UNRESTRICTED USE SCO
3. SHADED DATA INDICATES THAT PARAMETER WAS DETECTED ABOVE THE NYSDEC PART 375 RESTRICTED RESIDENTIAL SCO

MG/KG - MILLIGRAMS PER KILOGRAM
NYSDEC - NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
ESA - ENVIRONMENTAL SITE ASSESSMENT
BCP - BROWNFIELDS CLEANUP PROGRAM
-- NO NYSDEC PART 375 SOIL CLEANUP OBJECTIVES AVAILABLE
J - ESTIMATED VALUE
DUP - DUPLICATE SAMPLE
VOCS - VOLATILE ORGANIC COMPOUNDS
SVOCS - SEMIVOLATILE ORGANIC COMPOUNDS
PCBS - POLYCHLORINATED BIPHENYLS
NE - NO EXCEEDANCE
ND - NO DETECTION
FT BLS - FEET BELOW LAND SURFACE

15 0 15'

Title:

PREVIOUS INVESTIGATION SOIL EXCEEDANCES

LAFAYETTE SITE A
1920 TURNBULL AVENUE
BRONX, NEW YORK 10473

Prepared for:

GDC STRADA CASTLE HILL JV I LLC

ROUX

Compiled by: L.D.	Date: 12/02/25
Prepared by: M.S.R.	Scale: AS SHOWN
Project Mgr: L.D.	Project: 3868.0004Y000
File: 3868.0004Y120.6.mxd	

FIGURE 6

V:\GIS\PROJECTS\3868\0004Y\120\3868.0004Y120.6.MXD



SV-1	10/04/2023	10/04/2023 DUP
VOCs		
1,1,2-Trichloro-1,2,2-Trifluoroethane	ND	**0.44 J**
1,2,4-Trimethylbenzene	**3.5**	**2.5**
1,3,5-Trimethylbenzene (Mesitylene)	**0.48 J**	**0.49 J**
1,3-Butadiene	**0.31 J**	**0.28 J**
1,3-Dichlorobenzene	**13**	**14**
2,2,4-Trimethylpentane	**2.6**	**2.5**
2-Hexanone	**1.8 J**	**1.4 J**
4-Ethyltoluene	**0.5 J**	**0.5 J**
Acetone	**510 D**	**420 D**
Benzene	**4.4**	**4.2**
Butane	**27**	**25**
Carbon Disulfide	**32**	**2.9**
Carbon Tetrachloride	ND	**0.26**
Chlorobenzene	**0.73 J**	**0.68 J**
Chlorodifluoromethane	ND	**0.69 J**
Chloroform	**1.5 J**	**1.4**
Chloromethane	**2.1**	**2**
Cyclohexane	**1.5**	**1.5**
Cymene	**1.7 J**	**1 J**
Dichlorodifluoromethane	**2.9 J**	**2.5**
Ethylbenzene	**4.3**	**4.1**
Isopropanol	**75**	**68**
Isopropylbenzene (Cumene)	**0.46 J**	**0.43 J**
m,p-Xylene	**15**	**14**
Methyl Ethyl Ketone (2-Butanone)	**130**	**120 D**
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	**14**	**14**
Methylene Chloride	ND	**1.1 J**
N-Heptane	**8**	**5.8**
N-Hexane	**4.6**	**4.4**
N-Propylbenzene	ND	**0.38 J**
O-Xylene (1,2-Dimethylbenzene)	**4.2**	**4.1**
Styrene	**0.56 J**	**0.63 J**
Tert-Butyl Alcohol	**36**	**33**
Tetrachloroethylene (PCE)	**3.8**	**1.7**
Toluene	**11**	**11**
Trichlorofluoromethane	**0.82 J**	**0.81 J**
Vinyl Chloride	**0.36 J**	ND

N

LEGEND

- LOCATION AND DESINGATION OF REMEDIAL INVESTIGATION SOIL BORING
- LOCATION AND DESIGNATION OF REMEDIAL INVESTIGATION SOIL BORING/PERMANENT MONITORING WELL
- LOCATION AND DESIGNATION OF REMEDIAL INVESTIGATION SOIL BORING/SOIL VAPOR POINT
- SOIL BORING LOCATION INSTALLED DURING THE ROUX 2024 SUPPLEMENTAL BCP ELIGIBILITY SAMPLING
- SOIL BORING AND TEMPORARY WELL LOCATION INSTALLED DURING THE ROUX 2023 PHASE II ESA
- SOIL BORING AND SOIL VAPOR POINT LOCATION INSTALLED DURING THE ROUX 2023 PHASE II ESA
- APPROXIMATE BOUNDARY OF FUTURE BUILDING'S CELLAR
- SITE BOUNDARY

NOTES

1. AERIAL SOURCE: GOOGLE EARTH 03/2025

CONCENTRATIONS IN µG/M3

ESA - ENVIRONMENTAL SITE ASSESSMENT
BCP - BROWNFIELDS CLEANUP PROGRAM
µG/M3 - MICROGRAMS PER CUBIC METER
VOCS - VOLATILE ORGANIC COMPOUNDS
ND - COMPOUND WAS ANALYZED FOR BUT NOT DETECTED

15 0 15'

Title:

PREVIOUS INVESTIGATION SOIL VAPOR DETECTIONS

LAFAYETTE SITE A
1920 TURNBULL AVENUE
BRONX, NEW YORK 10473

Prepared for:

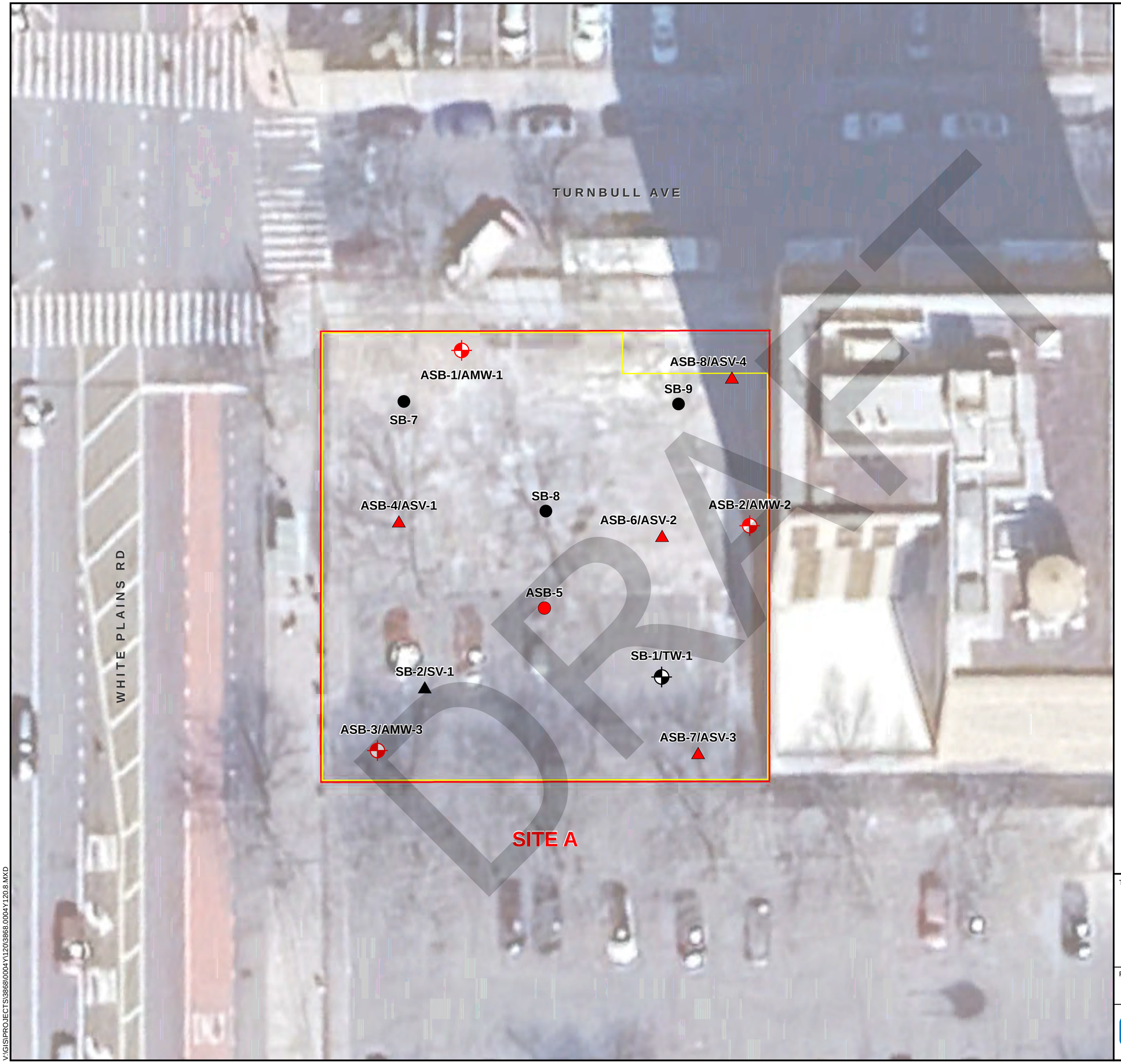
GDC STRADA CASTLE HILL JV I LLC

ROUX

Compiled by: L.D.	Date: 12/02/25
Prepared by: M.S.R.	Scale: AS SHOWN
Project Mgr: L.D.	Project: 3868.0004Y000
File: 3868.0004Y120.7.mxd	

FIGURE 7

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N

LEGEND

- LOCATION AND DESINGATION OF REMEDIAL INVESTIGATION SOIL BORING
- LOCATION AND DESIGNATION OF REMEDIAL INVESTIGATION SOIL BORING/PERMANENT MONITORING WELL
- LOCATION AND DESIGNATION OF REMEDIAL INVESTIGATION SOIL BORING/SOIL VAPOR POINT
- SOIL BORING LOCATION INSTALLED DURING THE ROUX 2024 SUPPLEMENTAL BCP ELIGIBILITY SAMPLING
- SOIL BORING AND TEMPORARY WELL LOCATION INSTALLED DURING THE ROUX 2023 PHASE II ESA
- SOIL BORING AND SOIL VAPOR POINT LOCATION INSTALLED DURING THE ROUX 2023 PHASE II ESA
- APPROXIMATE BOUNDARY OF FUTURE BUILDING'S CELLAR
- SITE BOUNDARY

NOTES

1. AERIAL SOURCE: NYS OFFICE OF INFORMATION TECHNOLOGY SERVICES GIS PROGRAM OFFICE (GPO)

15 0 15'

Title:

SITE PLAN WITH SAMPLE LOCATIONS

LAFAYETTE SITE A
1920 TURNBULL AVENUE
BRONX, NEW YORK 10473

Prepared for:

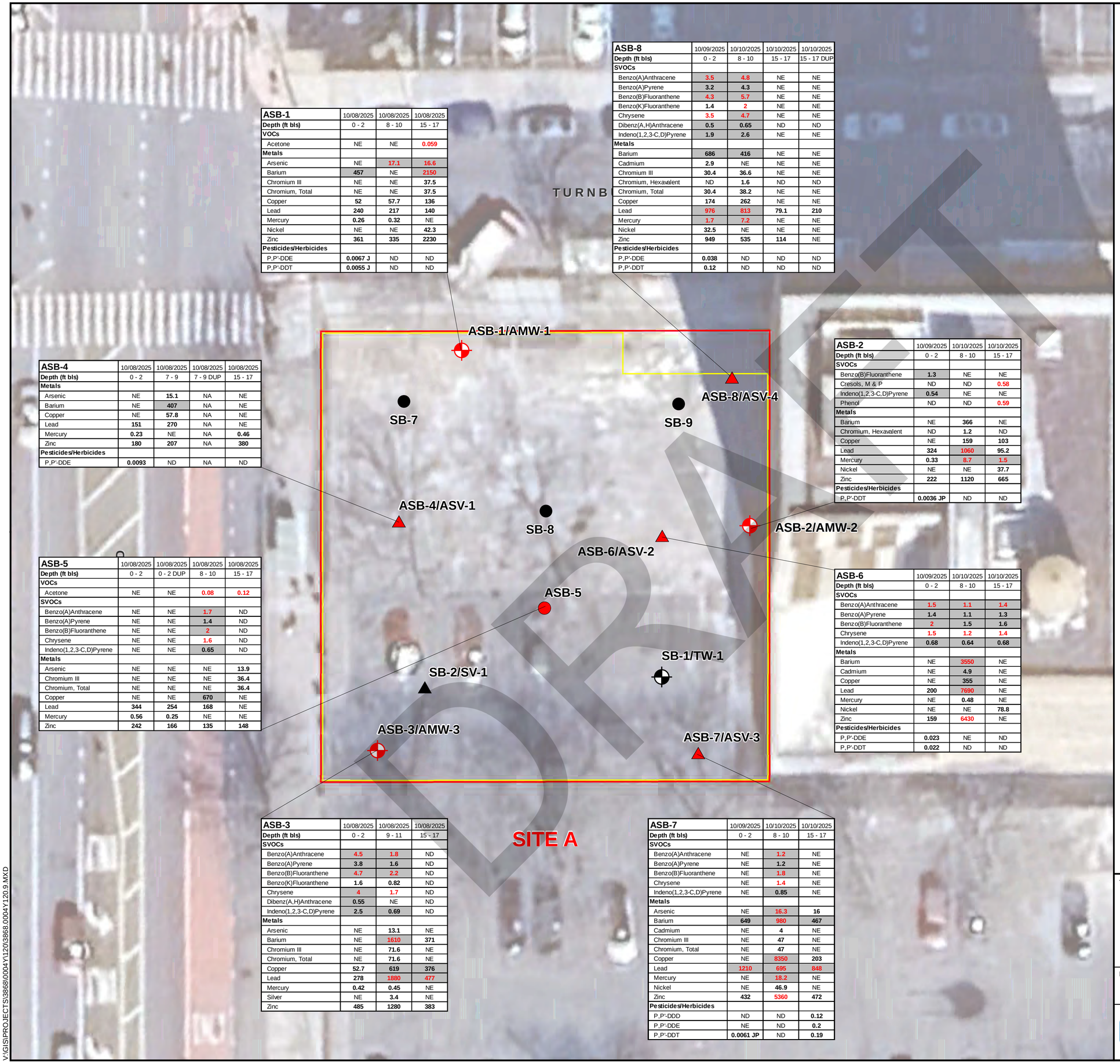
GDC STRADA CASTLE HILL JV I LLC

ROUX

Compiled by: L.D.	Date: 12/02/25
Prepared by: M.S.R.	Scale: AS SHOWN
Project Mgr: L.D.	Project: 3868.0004Y000
File: 3868.0004Y120.8.mxd	

FIGURE 8

V:\GIS\PROJECTS\3868\0004Y\120\3868.0004Y120.8.MXD



ASB-1	10/08/2025	10/08/2025	10/08/2025
Depth (ft bls)	0 - 2	8 - 10	15 - 17
VOCs			
Acetone	NE	NE	**0.059**
Metals			
Arsenic	NE	**17.1**	**16.6**
Barium	**457**	NE	**2150**
Chromium III	NE	NE	**37.5**
Chromium, Total	NE	NE	**37.5**
Copper	**52**	**57.7**	**136**
Lead	**240**	**217**	**140**
Mercury	**0.26**	**0.32**	NE
Nickel	NE	NE	**42.3**
Zinc	**361**	**335**	**2230**
Pesticides/Herbicides			
P,P'-DDE	**0.0067 J**	ND	ND
P,P'-DDT	**0.0055 J**	ND	ND

ASB-8	10/09/2025	10/10/2025	10/10/2025	10/10/2025
Depth (ft bls)	0 - 2	8 - 10	15 - 17	15 - 17 DUP
SVOCs				
Benzo(A)Anthracene	**3.5**	**4.8**	NE	NE
Benzo(A)Pyrene	**3.2**	**4.3**	NE	NE
Benzo(B)Fluoranthene	**4.3**	**5.7**	NE	NE
Benzo(K)Fluoranthene	**1.4**	**2**	NE	NE
Chrysene	**3.5**	**4.7**	NE	NE
Dibenz(A,H)Anthracene	**0.5**	**0.65**	ND	ND
Indeno(1,2,3-C,D)Pyrene	**1.9**	**2.6**	NE	NE
Metals				
Barium	**686**	**416**	NE	NE
Cadmium	**2.9**	NE	NE	NE
Chromium III	**30.4**	**36.6**	NE	NE
Chromium, Hexavalent	ND	**1.6**	ND	ND
Chromium, Total	**30.4**	**38.2**	NE	NE
Copper	**174**	**262**	NE	NE
Lead	**976**	**813**	**79.1**	**210**
Mercury	**1.7**	**7.2**	NE	NE
Nickel	**32.5**	NE	NE	NE
Zinc	**949**	**535**	**114**	NE
Pesticides/Herbicides				
P,P'-DDE	**0.038**	ND	ND	ND
P,P'-DDT	**0.12**	ND	ND	ND

ASB-4	10/08/2025	10/08/2025	10/08/2025	10/08/2025
Depth (ft bls)	0 - 2	7 - 9	7 - 9 DUP	15 - 17
Metals				
Arsenic	NE	**15.1**	NA	NE
Barium	NE	**407**	NA	NE
Copper	NE	**57.8**	NA	NE
Lead	**151**	**270**	NA	NE
Mercury	**0.23**	NE	NA	**0.46**
Zinc	**180**	**207**	NA	**380**
Pesticides/Herbicides				
P,P'-DDE	**0.0093**	ND	NA	ND

ASB-2	10/09/2025	10/10/2025	10/10/2025
Depth (ft bls)	0 - 2	8 - 10	15 - 17
SVOCs			
Benzo(B)Fluoranthene	**1.3**	NE	NE
Cresols, M & P	ND	ND	**0.58**
Indeno(1,2,3-C,D)Pyrene	**0.54**	NE	NE
Phenol	ND	ND	**0.59**
Metals			
Barium	NE	**366**	NE
Chromium, Hexavalent	ND	**1.2**	ND
Copper	NE	**159**	**103**
Lead	**324**	**1060**	**95.2**
Mercury	**0.33**	**8.7**	**1.5**
Nickel	NE	NE	**37.7**
Zinc	**222**	**1120**	**665**
Pesticides/Herbicides			
P,P'-DDT	**0.0036 JP**	ND	ND

ASB-5	10/08/2025	10/08/2025	10/08/2025	10/08/2025
Depth (ft bls)	0 - 2	0 - 2 DUP	8 - 10	15 - 17
VOCs				
Acetone	NE	NE	**0.08**	**0.12**
SVOCs				
Benzo(A)Anthracene	NE	NE	**1.7**	ND
Benzo(A)Pyrene	NE	NE	**1.4**	ND
Benzo(B)Fluoranthene	NE	NE	**2**	ND
Chrysene	NE	NE	**1.6**	ND
Indeno(1,2,3-C,D)Pyrene	NE	NE	**0.65**	ND
Metals				
Arsenic	NE	NE	NE	**13.9**
Chromium III	NE	NE	NE	**36.4**
Chromium, Total	NE	NE	NE	**36.4**
Copper	NE	NE	**670**	NE
Lead	**344**	**254**	**168**	NE
Mercury	**0.56**	**0.25**	NE	NE
Zinc	**242**	**166**	**135**	**148**

ASB-6	10/09/2025	10/10/2025	10/10/2025
Depth (ft bls)	0 - 2	8 - 10	15 - 17
SVOCs			
Benzo(A)Anthracene	**1.5**	**1.1**	**1.4**
Benzo(A)Pyrene	**1.4**	**1.1**	**1.3**
Benzo(B)Fluoranthene	**2**	**1.5**	**1.6**
Chrysene	**1.5**	**1.2**	**1.4**
Indeno(1,2,3-C,D)Pyrene	**0.68**	**0.64**	**0.68**
Metals			
Barium	NE	**3550**	NE
Cadmium	NE	**4.9**	NE
Copper	NE	**355**	NE
Lead	**200**	**7690**	NE
Mercury	NE	**0.48**	NE
Nickel	NE	NE	**78.8**
Zinc	**159**	**6430**	NE
Pesticides/Herbicides			
P,P'-DDE	**0.023**	NE	ND
P,P'-DDT	**0.022**	ND	ND

ASB-3	10/08/2025	10/08/2025	10/08/2025
Depth (ft bls)	0 - 2	9 - 11	15 - 17
SVOCs			
Benzo(A)Anthracene	**4.5**	**1.8**	ND
Benzo(A)Pyrene	**3.8**	**1.6**	ND
Benzo(B)Fluoranthene	**4.7**	**2.2**	ND
Benzo(K)Fluoranthene	**1.6**	**0.82**	ND
Chrysene	**4**	**1.7**	ND
Dibenz(A,H)Anthracene	**0.55**	NE	ND
Indeno(1,2,3-C,D)Pyrene	**2.5**	**0.69**	ND
Metals			
Arsenic	NE	**13.1**	NE
Barium	NE	**1610**	**371**
Chromium III	NE	**71.6**	NE
Chromium, Total	NE	**71.6**	NE
Copper	**52.7**	**619**	**376**
Lead	**278**	**1880**	**477**
Mercury	**0.42**	**0.45**	NE
Silver	NE	**3.4**	NE
Zinc	**485**	**1280**	**383**

ASB-7	10/09/2025	10/10/2025	10/10/2025
Depth (ft bls)	0 - 2	8 - 10	15 - 17
SVOCs			
Benzo(A)Anthracene	NE	**1.2**	NE
Benzo(A)Pyrene	NE	**1.2**	NE
Benzo(B)Fluoranthene	NE	**1.8**	NE
Chrysene	NE	**1.4**	NE
Indeno(1,2,3-C,D)Pyrene	NE	**0.85**	NE
Metals			
Arsenic	NE	**16.3**	**16**
Barium	**649**	**980**	**467**
Cadmium	NE	**4**	NE
Chromium III	NE	**47**	NE
Chromium, Total	NE	**47**	NE
Copper	NE	**8350**	**203**
Lead	**1210**	**695**	**848**
Mercury	NE	**18.2**	NE
Nickel	NE	**46.9**	NE
Zinc	**432**	**5360**	**472**
Pesticides/Herbicides			
P,P'-DDD	ND	ND	**0.12**
P,P'-DDE	NE	ND	**0.2**
P,P'-DDT	**0.0061 JP**	ND	**0.19**

LEGEND

- LOCATION AND DESINGATION OF REMEDIAL INVESTIGATION SOIL BORING
- LOCATION AND DESIGNATION OF REMEDIAL INVESTIGATION SOIL BORING/PERMANENT MONITORING WELL
- LOCATION AND DESIGNATION OF REMEDIAL INVESTIGATION SOIL BORING/SOIL VAPOR POINT
- SOIL BORING LOCATION INSTALLED DURING THE ROUX 2024 SUPPLEMENTAL BCP ELIGIBILITY SAMPLING
- SOIL BORING AND TEMPORARY WELL LOCATION INSTALLED DURING THE ROUX 2023 PHASE II ESA
- SOIL BORING AND SOIL VAPOR POINT LOCATION INSTALLED DURING THE ROUX 2023 PHASE II ESA
- APPROXIMATE BOUNDARY OF FUTURE BUILDING'S CELLAR
- SITE BOUNDARY

N

Parameter	NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives	NYSDEC Part 375 Restricted Residential Soil Cleanup Objectives	NYSDEC Part 375 Protection of Groundwater Soil Cleanup Objectives	Units
VOCs				
Acetone	**0.05**	100	0.05	mg/kg
SVOCs				
Benzo(A)Anthracene	**1**	1	1	mg/kg
Benzo(A)Pyrene	**1**	1	22	mg/kg
Benzo(B)Fluoranthene	**1**	1	1.7	mg/kg
Benzo(K)Fluoranthene	**0.8**	3.9	1.7	mg/kg
Chrysene	**1**	3.9	1	mg/kg
Cresols, M & P	**0.33**	100	0.33	mg/kg
Dibenz(A,H)Anthracene	**0.33**	0.33	1000	mg/kg
Indeno(1,2,3-C,D)Pyrene	**0.5**	0.5	8.2	mg/kg
Phenol	**0.33**	100	0.33	mg/kg
Metals				
Arsenic	**13**	16	16	mg/kg
Barium	**350**	400	820	mg/kg
Cadmium	**2.5**	4.3	7.5	mg/kg
Chromium III	**30**	180	--	mg/kg
Chromium, Hexavalent	**1**	110	19	mg/kg
Chromium, Total	**30**	180	--	mg/kg
Copper	**50**	270	1720	mg/kg
Lead	**63**	400	450	mg/kg
Mercury	**0.18**	0.81	0.73	mg/kg
Nickel	**30**	310	130	mg/kg
Silver	**2**	180	8.3	mg/kg
Zinc	**109**	10000	2480	mg/kg
PCBs	ND	ND	ND	mg/kg
Pesticides/Herbicides				
P,P'-DDD	**0.0033**	13	14	mg/kg
P,P'-DDE	**0.0033**	8.9	17	mg/kg
P,P'-DDT	**0.0033**	7.9	136	mg/kg
PFAS	NE	NE	NE	µg/kg

NOTES

1. AERIAL SOURCE: GOOGLE EARTH 03-2025
2. BOLD DATA INDICATES THAT PARAMETER WAS DETECTED ABOVE THE NYSDEC PART 375 UNRESTRICTED USE SCO
3. SHADED DATA INDICATES THAT PARAMETER WAS DETECTED ABOVE THE NYSDEC PART 375 RESTRICTED RESIDENTIAL SCO

mg/kg MILLIGRAMS PER KILOGRAM
µg/kg MICROGRAMS PER KILOGRAM
NYSDEC - NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
-- NO NYSDEC PART 375 SOIL CLEANUP OBJECTIVES AVAILABLE
J - ESTIMATED VALUE
P - CONCENTRATION DIFFERENCE BETWEEN THE PRIMARY AND CONFIRMATION COLUMN >40%. THE LOWER RESULT IS REPORTED
DUP - DUPLICATE SAMPLE
VOCs - VOLATILE ORGANIC COMPOUNDS
SVOCs - SEMIVOLATILE ORGANIC COMPOUNDS
PCBs - POLYCHLORINATED BIPHENYLS
PFAS - PER- AND POLYFLUOROALKYL SUBSTANCES
NE - NO EXCEEDANCE
ND - NO DETECTION
ft bls - FEET BELOW LAND SURFACE

15 0 15'

Title:

REMEDIAL INVESTIGATION SOIL EXCEEDANCES

LAFAYETTE SITE A
1920 TURNBULL AVENUE
BRONX, NEW YORK 10473

Prepared for:

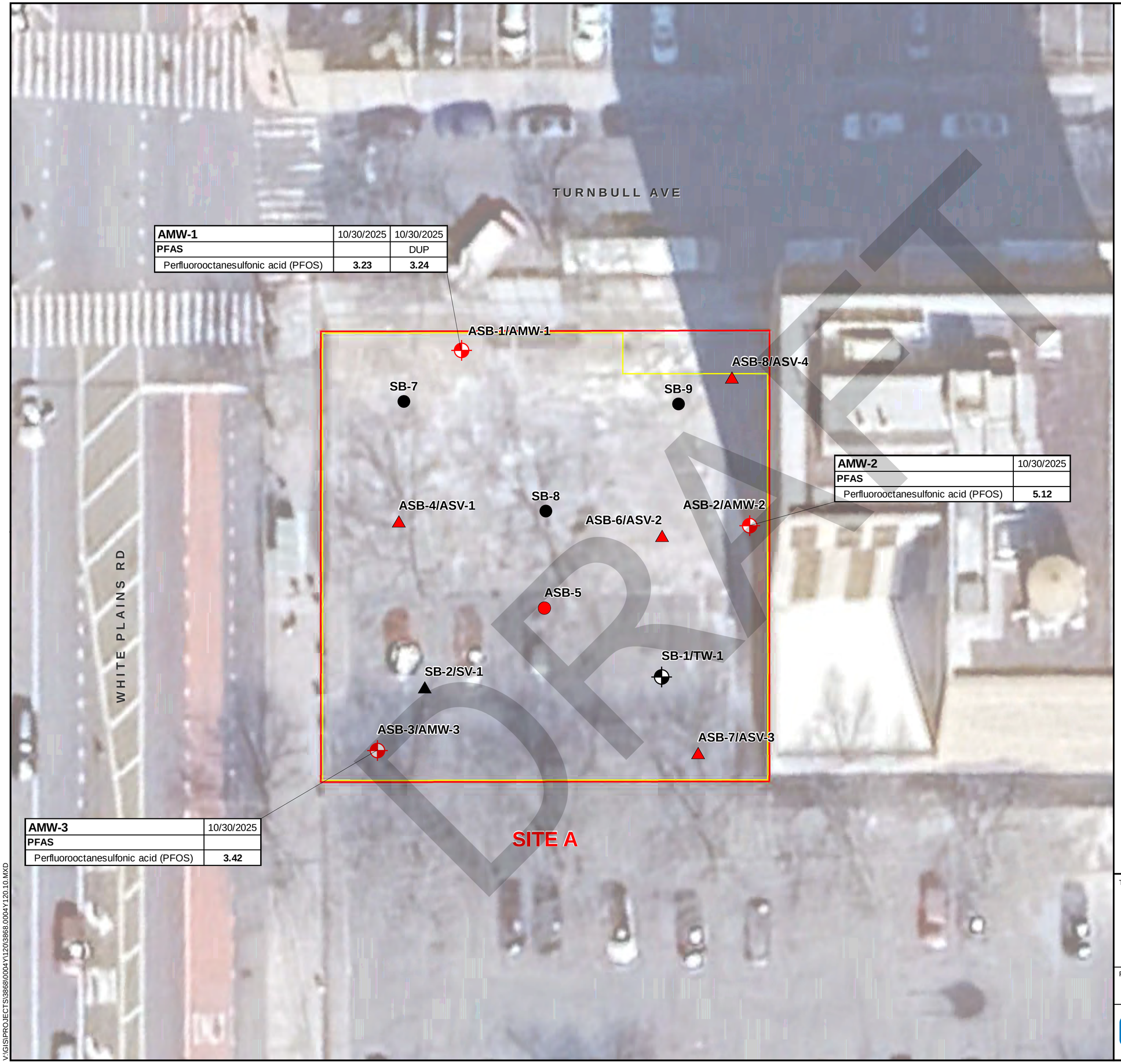
GDC STRADA CASTLE HILL JV I LLC

ROUX

Compiled by: L.D.	Date: 12/02/25
Prepared by: M.S.R.	Scale: AS SHOWN
Project Mgr: L.D.	Project: 3868.0004Y000
File: 3868.0004Y120.9.mxd	

FIGURE 9

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AMW-1	10/30/2025	10/30/2025
PFAS		DUP
Perfluorooctanesulfonic acid (PFOS)	**3.23**	**3.24**

AMW-2	10/30/2025
PFAS	
Perfluorooctanesulfonic acid (PFOS)	**5.12**

AMW-3	10/30/2025
PFAS	
Perfluorooctanesulfonic acid (PFOS)	**3.42**

LEGEND

- LOCATION AND DESINGATION OF REMEDIAL INVESTIGATION SOIL BORING
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- APPROXIMATE BOUNDARY OF FUTURE BUILDING'S CELLAR
- SITE BOUNDARY

N

Parameter	NYSDEC AWQSGV	Units
VOCs	ND	µg/L
SVOCs	ND	µg/L
Metals, Total	NE	µg/L
Metals, Dissolved	NE	µg/L
PCBs	ND	µg/L
Pesticides	ND	µg/L
PFAS		
Perfluorooctanesulfonic acid (PFOS)	**0.0027**	µg/L

NOTES

1. AERIAL SOURCE: GOOGLE EARTH 03-2025
2. CONCENTRATIONS IN µg/L

µg/L - MICROGRAMS PER LITER
NYSDEC - NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
AWQSGVs - AMBIENT WATER-QUALITY STANDARDS AND GUIDANCE VALUES
-- NO NYSDEC AWQSGV AVAILABLE
B - FOUND IN LABORATORY BLANK
E - EXCEEDS CALIBRATION LIMIT
D - DILUTION
J - ESTIMATED VALUE
DUP - DUPLICATE SAMPLE
VOCs - VOLATILE ORGANIC COMPOUNDS
SVOCs - SEMIVOLATILE ORGANIC COMPOUNDS
PCBs - POLYCHLORINATED BIPHENYLS
PFAS - PER- AND POLYFLUOROALKYL SUBSTANCES
NE - NO EXCEEDANCES
ND - NO DETECTION

15 0 15'

Title:

REMEDIAL INVESTIGATION GROUNDWATER EXCEEDANCES

LAFAYETTE SITE A
1920 TURNBULL AVENUE
BRONX, NEW YORK 10473

Prepared for:

GDC STRADA CASTLE HILL JV I LLC

ROUX

Compiled by: L.D.	Date: 12/02/25
Prepared by: M.S.R.	Scale: AS SHOWN
Project Mgr: L.D.	Project: 3868.0004Y000
File: 3868.0004Y120.10.mxd	

FIGURE 10

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DRAFT



ASV-1	10/17/2025
VOCs	
1,1,2-Trichloro-1,2,2-Trifluoroethane	**0.7 J**
1,2,4-Trimethylbenzene	**1.7**
1,3,5-Trimethylbenzene (Mesitylene)	**0.94 J**
1,3-Dichlorobenzene	**6.4**
2,2,4-Trimethylpentane	**3.9**
2-Hexanone	**1.4 J**
4-Ethyltoluene	**2.2**
Acetone	**450 D**
Benzene	**3.6**
Butane	**8.1**
Carbon Disulfide	**8.8**
Chlorobenzene	**0.35 J**
Chloroform	**1.3**
Cyclohexane	**11**
Dichlorodifluoromethane	**3.5**
Ethylbenzene	**5.8**
Isopropanol	**7.4 J**
m,p-Xylene	**25**
Methyl Ethyl Ketone (2-Butanone)	**19**
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	**2.3**
N-Heptane	**25**
N-Hexane	**18**
N-Propylbenzene	**0.53 J**
O-Xylene (1,2-Dimethylbenzene)	**8.1**
Tert-Butyl Alcohol	**15**
Tetrachloroethylene (PCE)	**1.1 J**
Toluene	**24**
Trichlorofluoromethane	**1.2**

ASV-4	10/17/2025	10/17/2025
VOCs		DUP
1,1,1-Trichloroethane (TCA)	**2.2**	**2.2**
1,1,2-Trichloro-1,2,2-Trifluoroethane	**0.65 J**	**0.63 J**
1,3-Dichlorobenzene	**0.93 J**	**5.3**
2,2,4-Trimethylpentane	**1.3**	**1.5**
2-Hexanone	ND	**0.98 J**
4-Ethyltoluene	ND	**0.6 J**
Acetone	**190 D**	**220 D**
Benzene	**1.3**	**1.4**
Bromodichloromethane	**2.3**	**2.3**
Butane	**2.6**	**2.6**
Carbon Disulfide	**1.3 J**	**1.4 J**
Chloroform	**170 D**	**170 D**
Cyclohexane	**2.9**	**3.2**
Dichlorodifluoromethane	**2.6**	**2.6**
Ethylbenzene	**2.5**	**3.9**
Isopropanol	**5.8 J**	**8.7 J**
m,p-Xylene	**7.7**	**17**
Methyl Ethyl Ketone (2-Butanone)	**8.6**	**12**
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	**1.6 J**	**2.3**
N-Heptane	**2.6**	**3**
N-Hexane	**2.6**	**3**
O-Xylene (1,2-Dimethylbenzene)	**2**	**4.7**
Tert-Butyl Alcohol	**5.4 J**	**7.4 J**
Tetrachloroethylene (PCE)	**27**	**23**
Toluene	**9.9**	**10**
Trichloroethylene (TCE)	**8.3**	**8.1**
Trichlorofluoromethane	**1.4**	**1.4**

ASV-2	10/17/2025
VOCs	
1,1,1-Trichloroethane (TCA)	**0.84 J**
1,1,2-Trichloro-1,2,2-Trifluoroethane	**0.77 J**
1,2,4-Trimethylbenzene	**12**
1,3,5-Trimethylbenzene (Mesitylene)	**5.1**
1,3-Dichlorobenzene	**6**
2,2,4-Trimethylpentane	**3**
2-Hexanone	**1.7 J**
4-Ethyltoluene	**12**
Acetone	**460 D**
Benzene	**2.9**
Butane	**4.7**
Carbon Disulfide	**3.7**
Carbon Tetrachloride	**0.17 J**
Chloroform	**4.1**
Cyclohexane	**7.3**
Dichlorodifluoromethane	**2.7**
Ethylbenzene	**7.8**
Isopropanol	**5.1 J**
Isopropylbenzene (Cumene)	**0.98**
m,p-Xylene	**39**
Methyl Ethyl Ketone (2-Butanone)	**16**
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	**1.6 J**
N-Heptane	**8.7**
N-Hexane	**7.6**
N-Propylbenzene	**2.3**
O-Xylene (1,2-Dimethylbenzene)	**15**
Tert-Butyl Alcohol	**13 J**
Tetrachloroethylene (PCE)	**11**
Toluene	**32**
Trichlorofluoromethane	**1.8**

AAA	10/17/2025
VOCs	
1,1,2-Trichloro-1,2,2-Trifluoroethane	**0.59 J**
2,2,4-Trimethylpentane	**0.49 J**
Acetone	**92 D**
Benzene	**0.8**
Butane	**3.2**
Carbon Disulfide	**0.79 J**
Carbon Tetrachloride	**0.49**
Cyclohexane	**0.48 J**
Dichlorodifluoromethane	**2.6**
Ethylbenzene	**1.1**
Isopropanol	**48**
m,p-Xylene	**3.1**
Methyl Ethyl Ketone (2-Butanone)	**13**
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	**1.1 J**
N-Hexane	**0.45 J**
O-Xylene (1,2-Dimethylbenzene)	**0.89**
Toluene	**1.7**
Trichlorofluoromethane	**1.2**

ASV-3	10/17/2025
VOCs	
1,1,1-Trichloroethane (TCA)	**0.47 J**
1,1,2-Trichloro-1,2,2-Trifluoroethane	**0.73 J**
1,2,4-Trimethylbenzene	**1**
1,3-Dichlorobenzene	**4.8**
2,2,4-Trimethylpentane	**3.3**
4-Ethyltoluene	**1.5**
Acetone	**310 D**
Benzene	**11**
Butane	**22**
Carbon Disulfide	**21**
Chloroform	**4.2**
Cis-1,2-Dichloroethylene	**0.12 J**
Cyclohexane	**14**
Dichlorodifluoromethane	**3**
Ethylbenzene	**5.5**
Isopropanol	**7 J**
m,p-Xylene	**24**
Methyl Ethyl Ketone (2-Butanone)	**8.9**
Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)	**2.4**
N-Heptane	**9.3**
N-Hexane	**9.6**
O-Xylene (1,2-Dimethylbenzene)	**7.4**
Tert-Butyl Alcohol	**7.5 J**
Tetrachloroethylene (PCE)	**11**
Toluene	**30**
Trichlorofluoromethane	**1.8**

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LEGEND

- LOCATION AND DESINGATION OF REMEDIAL INVESTIGATION SOIL BORING
- LOCATION AND DESIGNATION OF REMEDIAL INVESTIGATION SOIL BORING/PERMANENT MONITORING WELL
- LOCATION AND DESIGNATION OF REMEDIAL INVESTIGATION SOIL BORING/SOIL VAPOR POINT
- SOIL BORING LOCATION INSTALLED DURING THE ROUX 2024 SUPPLEMENTAL BCP ELIGIBILITY SAMPLING
- SOIL BORING AND TEMPORARY WELL LOCATION INSTALLED DURING THE ROUX 2023 PHASE II ESA
- SOIL BORING AND SOIL VAPOR POINT LOCATION INSTALLED DURING THE ROUX 2023 PHASE II ESA
- APPROXIMATE BOUNDARY OF FUTURE BUILDING'S CELLAR
- SITE BOUNDARY

NOTES

1. AERIAL SOURCE: GOOGLE EARTH 03-2025
2. CONCENTRATIONS IN µg/m^3

µg/m^3 - MICROGRAMS PER CUBIC METER
VOCs - VOLATILE ORGANIC COMPOUNDS
ND - COMPOUND WAS ANALYZED FOR BUT NOT DETECTED
J - ESTIMATED VALUE
D - A SECONDARY ANALYSIS AFTER DILUTION DUE TO EXCEEDANCE OF THE CALIBRATION RANGE IN THE ORIGINAL SAMPLE

15 0 15'

Title:

REMEDIAL INVESTIGATION DETECTIONS IN SOIL VAPOR

LAFAYETTE SITE A
1920 TURNBULL AVENUE
BRONX, NEW YORK 10473

Prepared for:

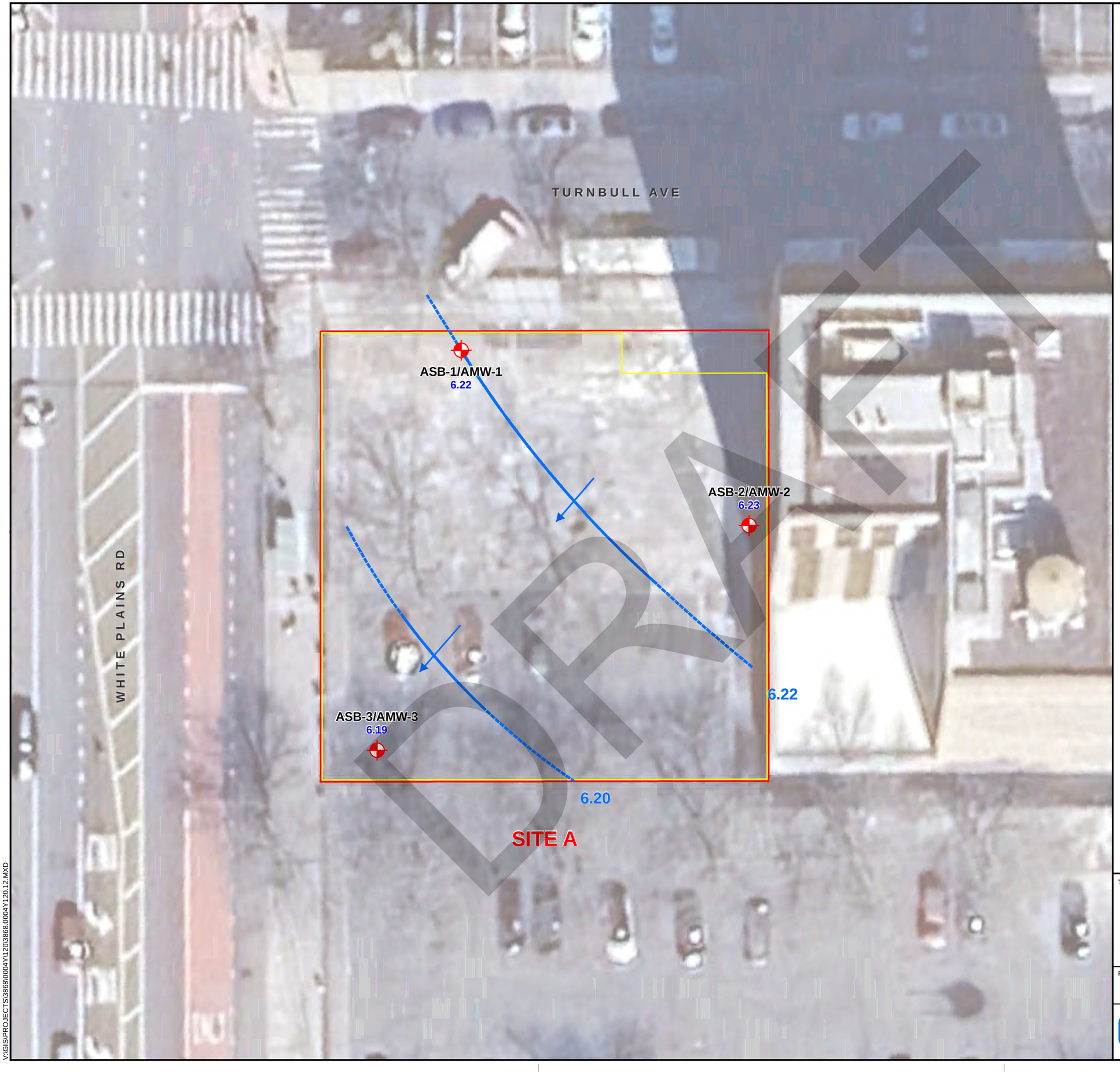
GDC STRADA CASTLE HILL JV I LLC

ROUX

Compiled by: L.D.	Date: 12/02/25
Prepared by: M.S.R.	Scale: AS SHOWN
Project Mgr: L.D.	Project: 3868.0004Y000
File: 3868.0004Y120.11.mxd	

FIGURE 11

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LEGEND

- LOCATION AND DESIGNATION OF SOIL BORING/PERMANENT MONITORING WELL
- 6.19 — GROUNDWATER ELEVATION IN FEET ABOVE MEAN SEA LEVEL (NAVD 1988)
- 6.20 — LINE OF EQUAL GROUNDWATER ELEVATION IN FEET (DASHED WHERE INFERRED)(NAVD 1988)
- INFERRED GROUNDWATER FLOW DIRECTION
- APPROXIMATE BOUNDARY OF FUTURE BUILDING'S CELLAR
- SITE BOUNDARY

NOTES

1. AERIAL SOURCE: GOOGLE EARTH 03-2025

15 0 15'

Title:

GROUNDWATER CONTOUR MAP

OCTOBER 30, 2025

LAFAYETTE SITE A
1920 TURNBULL AVENUE
BRONX, NEW YORK 10473

Prepared for:

GDC STRADA CASTLE HILL JV I LLC

ROUX

Compiled by: L.D.	Date: 12/02/25	FIGURE 12
Prepared by: M.S.R.	Scale: AS SHOWN	
Project Mgr: L.D.	Project: 3868.0004Y000	
File: 3868.0004Y120.12.mxd		

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DRAFT

APPENDICES

DRAFT

A. Redevelopment Plans
B. Previous Environmental Investigation Reports
C. 2024 Supplemental Investigation Documents
D. Daily and CAMP Reports
E. Geophysical Survey Report
F. Groundwater Sampling Forms
G. Soil Vapor Sampling Forms
H. Soil Boring and Monitoring Well Construction Logs
I. Analytical Data Laboratory Reports
J. Data Usability Summary Reports

APPENDIX A

Redevelopment Plans

DRAFT



Supportive Housing - Phase I

1920 Turnbull Avenue, Bronx, NY 10473

11/21/2025

HPD/ BLDS RESPONSE

DOB SEAL:

Supportive Housing - Phase I

1920 Turnbull Avenue, Bronx, NY 10473

Owner:

Gilbane

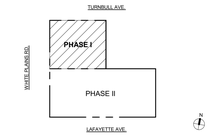
STRADA

STRADA VENTURES LLC

CUCS

BLOCK: #3672 LOT: #40

NYC DOB #: # X01265022-I1



Key Plan:

NUMBER	DATE	DESCRIPTION
1	06/06/2025	PROGRESS DD SET FOR CLIENT REVIEW
2	07/15/2025	DOB SUBMISSION / DESIGN DEVELOPMENT SET
3	11/07/2025	DOB SUBMISSION
4	11/21/2025	HPD/BLDS RESPONSE

NOT FOR CONSTRUCTION

Revisions:

Architect:

MAC

Magnusson Architecture & Planning PC
42 West 39th Street, 15th Floor
New York NY 10018
Tel (212) 253 7820 Fax (212) 253 1276

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MEP Engineer:

Ventrop Engineering Consulting Group
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Civil Engineer:

AKRF
440 Park Avenue South, 7th Floor
New York NY 10016
Tel (212) 696 0670

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JM Zoning
498 7th Avenue, 17th Floor
New York NY 10018
Tel (212) 964 4464 Fax (775) 628 3726

Do Not Scale Plans.
Contractor to promptly notify Architect of any material variations between field conditions and existing conditions as indicated in Contract documents

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COVER SHEET

SEAL & SIGNATURE:

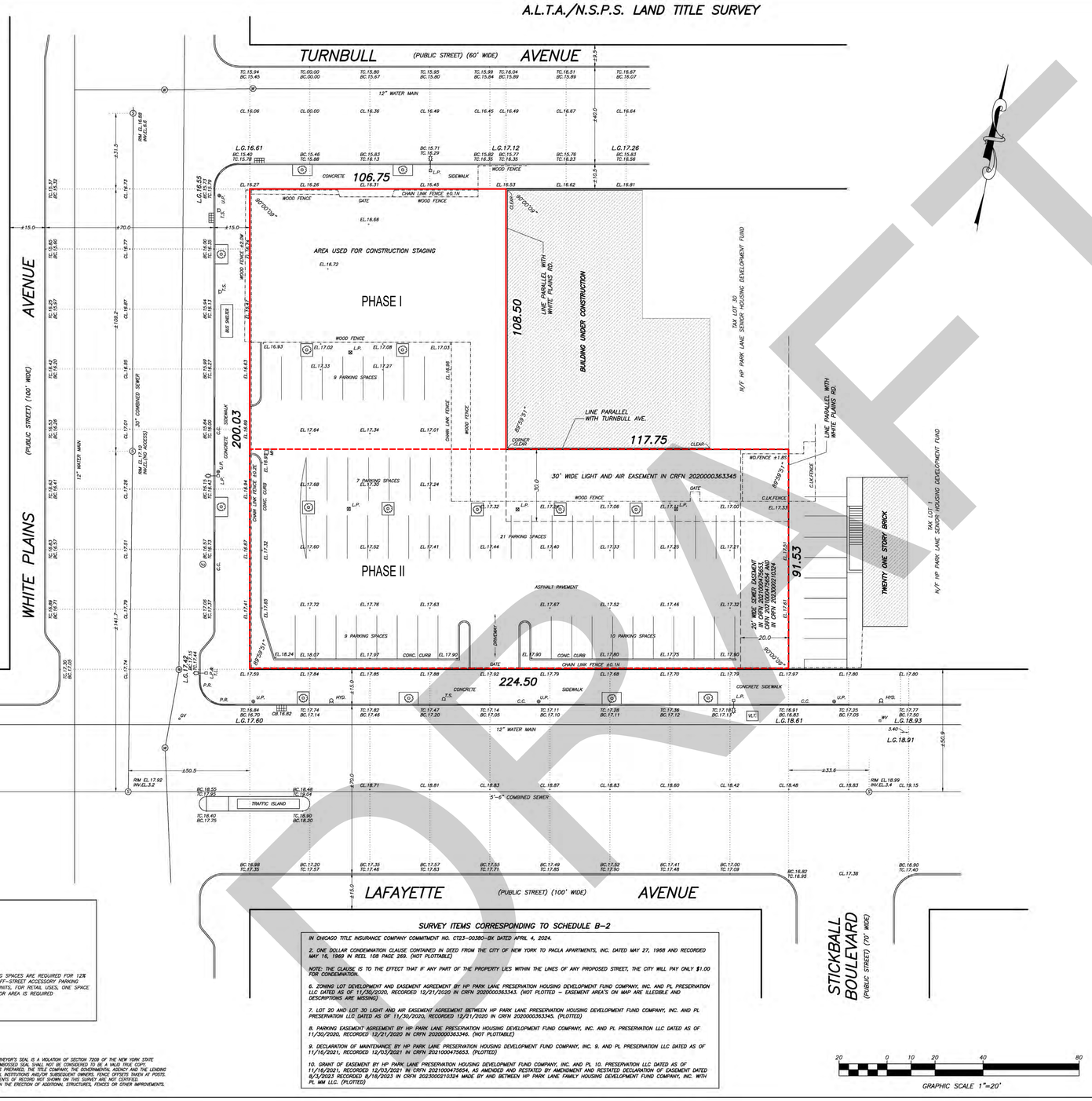
PROJECT No:	24008
DRAWING BY:	Author
CHK BY:	Checker
DWG No:	T-001.00
SCALE:	1 OF 183

REF. NO. B3672-20



VICINITY MAP

A.L.T.A./N.S.P.S. LAND TITLE SURVEY



LEGAL DESCRIPTION

ALL THAT CERTAIN PLOT, PIECE OR PARCEL OF LAND, SITUATE, LYING AND BEING IN THE BOROUGH AND COUNTY OF THE BRONX, CITY AND STATE OF NEW YORK, BOUNDED AND DESCRIBED AS FOLLOWS:

BEGINNING AT THE CORNER FORMED BY THE INTERSECTION OF THE NORTHERLY SIDE OF LAFAYETTE AVENUE WITH THE EASTERLY SIDE OF WHITE PLAINS ROAD;

RUNNING THENCE NORTHERLY ALONG THE EASTERLY SIDE OF WHITE PLAINS ROAD, A DISTANCE OF 200.03 FEET TO THE INTERSECTION OF THE EASTERLY SIDE OF WHITE PLAINS ROAD WITH THE SOUTHERLY SIDE OF TURNBULL AVENUE;

THENCE EASTERLY ALONG THE SOUTHERLY SIDE OF TURNBULL AVENUE, A DISTANCE OF 106.75 FEET TO A POINT;

THENCE SOUTHERLY ALONG A LINE FORMING AN ANGLE ON THE EAST WITH THE SOUTHERLY SIDE OF TURNBULL AVENUE OF 90 DEGREES 0 MINUTES 9 SECONDS AND PARALLEL WITH WHITE PLAINS ROAD, A DISTANCE OF 108.50 FEET TO A POINT;

THENCE EASTERLY ALONG A LINE FORMING AN ANGLE ON THE NORTH WITH THE LAST DESCRIBED COURSE OF 89 DEGREES 59 MINUTES 51 SECONDS AND PARALLEL WITH TURNBULL AVENUE, A DISTANCE OF 117.75 FEET TO A POINT;

THENCE SOUTHERLY ALONG A LINE FORMING AN ANGLE ON THE WEST WITH THE LAST DESCRIBED COURSE OF 89 DEGREES 59 MINUTES 51 SECONDS AND PARALLEL WITH WHITE PLAINS ROAD, A DISTANCE OF 91.53 FEET TO THE NORTHERLY SIDE OF LAFAYETTE AVENUE;

THENCE WESTERLY ALONG THE NORTHERLY SIDE OF LAFAYETTE AVENUE, A DISTANCE OF 224.50 FEET TO THE POINT OR PLACE OF BEGINNING.

SURVEYORS NOTES

1. THE ACCOMPANYING SURVEY WAS MADE ON THE GROUND AND CORRECTLY SHOWS THE LOCATION OF ALL BUILDINGS, STRUCTURES AND OTHER IMPROVEMENTS SITUATED ON THE ABOVE DESCRIBED PREMISES;

2. EXCEPT AS SHOWN, ALL UTILITIES SERVING THE PREMISES ENTER THROUGH ADJOINING PUBLIC STREETS AND/OR EASEMENTS OF RECORD. NO PHYSICAL UNDERGROUND UTILITY MARK OUT WAS FOUND AT THE TIME THE FIELD SURVEY WAS PERFORMED. ONLY VISIBLE SURFACE UTILITIES ARE SHOWN.

3. THAT EXCEPT AS SHOWN, THERE ARE NO VISIBLE EASEMENTS OR RIGHT OF WAYS ACROSS SAID PREMISES.

4. THAT THE PROPERTY DESCRIBED HEREON IS THE SAME AS THE PROPERTY DESCRIBED IN CHICAGO TITLE INSURANCE COMPANY COMMITMENT NO. CT23-003360-BX WITH AN EFFECTIVE DATE OF APRIL 4, 2024 AND THAT ALL EASEMENTS, COVENANTS AND RESTRICTIONS REFERENCED IN SAID TITLE COMMITMENT, AND EASEMENTS WHICH THE UNDERSIGNED HAS BEEN ADVISED OR HAS KNOWLEDGE, HAVE BEEN PLOTTED HEREON OR OTHERWISE NOTED AS THEIR EFFECT ON THE SUBJECT PROPERTY;

5. THAT EXCEPT AS SHOWN, THERE ARE NO VISIBLE ENCROACHMENTS ONTO ADJOINING PREMISES, STREETS OR ALLEYS BY ANY BUILDING, STRUCTURES OR OTHER IMPROVEMENTS LOCATED ON THE PREMISES AND NO ENCROACHMENTS ONTO SAID PREMISES BY BUILDINGS, STRUCTURES OR OTHER IMPROVEMENTS SITUATED ON ADJOINING PREMISES.

6. THE SUBJECT PROPERTY DOES NOT LIE WITHIN A SPECIAL FLOOD HAZARD AREA AS DEFINED BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY AND THAT SAID DESCRIBED PROPERTY IS LOCATED WITHIN AN AREA HAVING A FLOOD DESIGNATION OF ZONE "X" BY THE FEDERAL EMERGENCY MANAGEMENT AGENCY, ON FLOOD INSURANCE RATE MAP NO. 36047C0103F, WITH A DATE OF IDENTIFICATION OF SEPTEMBER 5, 2007, FOR COMMUNITY NUMBER 360497, IN BRONX COUNTY, STATE OF NEW YORK, WHICH IS THE CURRENT FLOOD INSURANCE RATE MAP FOR THE COMMUNITY IN WHICH SAID PREMISES IS SITUATED.

7. THE PROPERTY HAS DIRECT PHYSICAL ACCESS TO A PUBLIC STREET KNOWN AS LAFAYETTE AVENUE, WHITE PLAINS ROAD AND TURNBULL AVENUE. THERE ARE NO CHANGES IN STREET RIGHT OF WAYS.

8. THERE ARE NO PARKING SPACES ON PREMISES TO REPORT.

9. THE RECORD DESCRIPTION OF THE PROPERTY FORMS A MATHEMATICALLY CLOSED FIGURE.

10. THERE IS NO VISIBLE EVIDENCE OF STREET OR SIDEWALK CONSTRUCTION, EARTH MOVING WORK, BUILDING CONSTRUCTION OR BUILDING ADDITIONS AT THE PREMISES.

11. THERE IS NO VISIBLE EVIDENCE OF SITE USE AS A SOLID WASTE DUMP, SUMP OR SANITARY LANDFILL.

12. THERE IS NO VISIBLE EVIDENCE OF CEMETERIES.

13. THE SUBJECT PROPERTY DOES NOT LIE WITHIN A WETLANDS AREA. ELEVATIONS SHOWN ARE IN NAVD88 DATUM.

14. THE PARTIES LISTED BELOW ARE ENTITLED TO RELY ON THE SURVEY AND THE CERTIFICATES AS BEING TRUE AND ACCURATE.

ALTA CERTIFICATION

TO: CHICAGO TITLE INSURANCE COMPANY; LOW INCOME INVESTMENT FUND, ITS SUCCESSORS AND/OR ASSIGNS, GILBANE DEVELOPMENT COMPANY, HP PARK LANE FAMILY I HOUSING DEVELOPMENT FUND COMPANY, INC., ITS SUCCESSORS AND/OR ASSIGNS, NYC PARTNERSHIP HOUSING DEVELOPMENT FUND COMPANY, INC., ITS SUCCESSORS AND/OR ASSIGNS, HOUSING PARTNERSHIP DEVELOPMENT CORPORATION, ITS SUCCESSORS AND/OR ASSIGNS, LOW INCOME INVESTMENT FUND, ITS SUCCESSORS AND/OR ASSIGNS, CASTLE HILL ACQUISITION I LLC AND GDC STRADA CASTLE HILL JV I LLC

THIS IS TO CERTIFY THAT THIS MAP OR PLAT AND THE SURVEY ON WHICH IT IS BASED WERE MADE IN ACCORDANCE WITH THE 2021 MINIMUM STANDARD DETAIL REQUIREMENTS FOR ALTA/NSPS LAND TITLE SURVEYS, JOINTLY ESTABLISHED AND ADOPTED BY ALTA AND NSPS, AND INCLUDES ITEMS 2, 3, 4, 5, 7(A), 8, 9, 10, 11, 13, 14, 16, 17 AND 18 OF TABLE A THEREOF. THE FIELD WORK WAS COMPLETED ON SEPTEMBER 28, 2023 AND AGAIN ON MARCH 27, 2024.

DATE OF PLAT OR MAP: APRIL 1, 2024

FRANK I. GALLUZZO
LICENSE NO. 050088

SURVEY CERTIFICATION

I, FRANK I. GALLUZZO, A REGISTERED LAND SURVEYOR, LICENSE NO. 50088, IN AND FOR THE STATE OF NEW YORK AND LEGALLY DOING BUSINESS IN BRONX COUNTY, DOES HEREBY CERTIFY TO LOW INCOME INVESTMENT FUND, IT'S SUCCESSORS AND/OR ASSIGNS, AND CHICAGO TITLE INSURANCE COMPANY, AND EACH OF THEIR RESPECTIVE SUCCESSORS AND ASSIGNS:

(1) THE ACCOMPANYING SURVEY REPRESENTS A TRUE AND CORRECT SURVEY MADE BY ME ON SEPTEMBER 28, 2023 OF THE LAND THEREIN PARTICULARLY DESCRIBED[, AND WAS MOST RECENTLY CONFIRMED BY VISUAL INSPECTION OF MARCH 27, 2024;

(2) THE SURVEY AND THE INFORMATION, COURSES AND DISTANCES SHOWN THEREON ARE CORRECT;

(3) THE TITLE LINES AND LINES OF ACTUAL POSSESSION ARE THE SAME;

(4) THE LAND DESCRIBED IN THE SURVEY IS THE SAME AND AS THE METES AND BOUNDS LEGAL DESCRIPTION ATTACHED AS SCHEDULE "A" HERETO;

(5) THE AREA OF THE SUBJECT PROPERTY AND THE SIZE, LOCATION AND TYPE OF BUILDINGS AND IMPROVEMENTS AND ANY OTHER MATTERS SITUATED ON THE SUBJECT PROPERTY ARE AS SHOWN;

(6) THERE ARE NO EASEMENTS OR USES AFFECTING THIS PROPERTY APPEARING FROM A CAREFUL PHYSICAL INSPECTION OF THE SAME, OTHER THAN THOSE SHOWN AND DEPICTED ON THE SURVEY;

(7) THERE ARE NO ENCROACHMENTS ON THE ADJOINING PROPERTIES, STREETS, OR ALLEYS BY ANY OF SAID BUILDINGS, STRUCTURES AND IMPROVEMENTS, OTHER THAN AS SHOWN ON THE SURVEY;

(8) THERE ARE NO PARTY WALLS OR VISIBLE ENCROACHMENTS ON SAID DESCRIBED PROPERTY BY STREETS, ALLEYS OR BUILDINGS, STRUCTURES OR OTHER IMPROVEMENTS SITUATED ON ADJOINING PROPERTY, EXCEPT AS SHOWN ON THE SURVEY;

(9) THE SUBJECT PROPERTY HAS ACCESS TO AND FROM A DULY DEDICATED AND ACCEPTED PUBLIC STREET OR HIGHWAY; AND

(10) THE RECORD DESCRIPTION OF THE SUBJECT PROPERTY FORMS A MATHEMATICALLY CLOSED FIGURE.

THE UNDERSIGNED HAS RECEIVED AND EXAMINED A COPY OF CHICAGO TITLE INSURANCE COMPANY COMMITMENT NO. CT23-003360-BX DATED APRIL 4, 2024; AND THE LOCATION OF ANY MATTER SHOWN THEREON, TO THE EXTENT IT CAN BE LOCATED, HAS BEEN SHOWN ON THIS SURVEY WITH THE APPROPRIATE RECORDING REFERENCE.

THE PARTIES LISTED ABOVE ARE ENTITLED TO RELY ON THE SURVEY AND THIS CERTIFICATE AS BEING TRUE AND ACCURATE.

THIS SURVEY IS MADE IN ACCORDANCE WITH THE CODE OF PRACTICE FOR LAND SURVEYORS ADOPTED BY THE NEW YORK STATE ASSOCIATION OF PROFESSIONAL LAND SURVEYORS, INC.

FRANK I. GALLUZZO
LICENSE NO. 050088

LEGEND:

TRAFFIC LIGHT	T.L.
FIRE HYDRANT	HYD.
LIGHT POLE	L.P.
CATCH BASIN	C.B.
TREE	
UTILITY POLE	U.P.
VALVES	GAS-G.V. WATER-W.V.
OVERHEAD SERVICE WIRES	O.H.S.W.
TRAFFIC SIGN	D.T.S.
LEGAL GRADES	L.G.
PEDESTRIAN RAMP	P.R.
FIRE PULL BOX	F.B.
CURB AND CURB CUT	C.C.
DRAIN	DR.
PARKING METER	P.M.
TELEPHONE	TEL.
MANHOLES	MH

ZONING INFORMATION

ZONING CLASSIFICATION:	R8 W/C2-4 (MP), R6
ZONING DISTRICT:	NEW YORK CITY
MIN. FRONT SETBACK:	0 FEET
MIN. SIDE SETBACK:	0 FEET
MIN. REAR SETBACK:	0 FEET
MAX. BUILDING HEIGHT:	215 FEET / 21 STORIES
FLOOR AREA RATIO:	RESIDENTIAL WIDE ST. – 3.0 RESIDENTIAL NARROW ST. – 2.2 RESIDENTIAL ADJ. – 2.76 RESIDENTIAL ABTS. – 3.9 COMMERCIAL FACILITY – 2.43
PARKING REQUIREMENTS:	IN THE R8 DISTRICT, OFF-STREET ACCESSORY PARKING SPACES ARE REQUIRED FOR 12% OF THE DWELLING UNITS, AND IN THE R6 DISTRICT, OFF-STREET ACCESSORY PARKING SPACES ARE REQUIRED FOR 25% OF THE DWELLING UNITS. FOR RETAIL USES, ONE SPACE PER EVERY 1,000 SQUARE FEET OF COMMERCIAL FLOOR AREA IS REQUIRED

SOURCE: HIRSCHEN SINGER & EPSTEIN LLP DATED OCTOBER 13, 2023
40 EXCHANGE PLACE, SUITE 1502
NEW YORK, NEW YORK 10005

AREA INFORMATION

TOTAL LOT AREA = 32,130.86 SQ.FT. = 0.73762 ACRES

UNAUTHORIZED ALTERATIONS AND/OR ADDITIONS TO THIS SURVEY BEARING A LICENSED LAND SURVEYOR'S SEAL IS A VIOLATION OF SECTION 7209 OF THE NEW YORK STATE EDUCATION LAW. COPIES OF THIS SURVEY MAP NOT BEARING THE LAND SURVEYOR'S INKED OR EMBOSSED SEAL SHALL NOT BE CONSIDERED TO BE A VALID TRUE COPY. CERTIFICATIONS INDICATED HEREON SHALL RUN ONLY TO THE PERSON FOR WHOM THE SURVEY IS PREPARED, THE TITLE COMPANY, THE GOVERNMENTAL AGENCY AND THE LENDING INSTITUTION LISTED ON THIS SURVEY MAP. CERTIFICATIONS ARE NOT TRANSFERABLE TO ADDITIONAL INSTITUTIONS AND/OR SUBSEQUENT OWNERS. FENCE OFFSETS SHOWN AT POSTS. ENCROACHMENTS OR WALKS BELOW SURFACE ARE NOT SHOWN. RIGHT OF WAYS AND/OR EASEMENTS OF RECORD NOT SHOWN ON THIS SURVEY ARE NOT CERTIFIED. OFFSETS AND DIMENSIONS HEREON ARE FOR A SPECIFIC PURPOSE AND ARE NOT TO BE USED IN THE ERECTION OF ADDITIONAL STRUCTURES, FENCES OR OTHER IMPROVEMENTS.
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SURVEY ITEMS CORRESPONDING TO SCHEDULE B-2

IN CHICAGO TITLE INSURANCE COMPANY COMMITMENT NO. CT23-00380-BX DATED APRIL 4, 2024,

2. ONE DOLLAR CONDEMNATION CLAUSE CONTAINED IN DEED FROM THE CITY OF NEW YORK TO PACLA APARTMENTS, INC. DATED MAY 27, 1968 AND RECORDED MAY 16, 1969 IN REEL 108 PAGE 269. (NOT PLOTTABLE)

NOTE: THE CLAUSE IS TO THE EFFECT THAT IF ANY PART OF THE PROPERTY LIES WITHIN THE LINES OF ANY PROPOSED STREET, THE CITY WILL PAY ONLY $1.00 FOR CONDEMNATION.

6. ZONING LOT DEVELOPMENT AND EASEMENT AGREEMENT BY HP PARK LANE PRESERVATION HOUSING DEVELOPMENT FUND COMPANY, INC. AND PL PRESERVATION LLC DATED AS OF 11/30/2020, RECORDED 12/21/2020 IN CRFN 20200000363343. (NOT PLOTTED – EASEMENT AREA'S ON MAP ARE ILLEGIBLE AND DESCRIPTIONS ARE MISSING)

7. LOT 20 AND LOT 30 LIGHT AND AIR EASEMENT AGREEMENT BETWEEN HP PARK LANE PRESERVATION HOUSING DEVELOPMENT FUND COMPANY, INC. AND PL PRESERVATION LLC DATED AS OF 11/30/2020, RECORDED 12/21/2020 IN CRFN 20200000363345. (PLOTTED)

8. PARKING EASEMENT AGREEMENT BY HP PARK LANE PRESERVATION HOUSING DEVELOPMENT FUND COMPANY, INC. AND PL PRESERVATION LLC DATED AS OF 11/30/2020, RECORDED 12/21/2020 IN CRFN 20200000363346. (NOT PLOTTABLE)

9. DECLARATION OF MAINTENANCE BY HP PARK LANE PRESERVATION HOUSING DEVELOPMENT FUND COMPANY, INC. 9, AND PL PRESERVATION LLC DATED AS OF 11/16/2021, RECORDED 12/03/2021 IN CRFN 20211000475653. (PLOTTED)

10. GRANT OF EASEMENT BY HP PARK LANE PRESERVATION HOUSING DEVELOPMENT FUND COMPANY, INC. AND PL 10. PRESERVATION LLC DATED AS OF 11/16/2021, RECORDED 12/03/2021 IN CRFN 20211000475654, AS AMENDED AND RESTATED BY AMENDMENT AND RESTATED DECLARATION OF EASEMENT DATED 8/3/2023 RECORDED 8/16/2023 IN CRFN 20230000210324 MADE BY AND BETWEEN HP PARK LANE FAMILY HOUSING DEVELOPMENT FUND COMPANY, INC. WITH PL MM LLC. (PLOTTED)

NO.	DATE	REVISION
3.	MAY 3, 2024	ZONING ADDED
2.	APRIL 17, 2024	ADDITIONAL CERTIFICATION ADDED
1.	APRIL 17, 2024	ADDITIONAL CERTIFICATION ADDED

MAP OF PROPERTY SITUATED IN
BRONX
BRONX COUNTY, N.Y.
1931 LAFAYETTE AVENUE, BRONX, NY 10473
TAX SECT.: 14 TAX BLOCK: 3672 TAX LOT(S): 20

Empire State Land Surveyor, P.C.
Frank I. Galluzzo Professional Land Surveyor
Records of Albert A. Bianco - Barry M. Fahrer - Robert B. Holzman
Stephen J. Reid - M. Berry Carmon - G. W. Haviland - Vanderwater & Lapp
Robert E. Carlin - William J. Daly - Fronsen & Monttari - Carter B. Harris
Francis J. Hickey - William K. Morse - Ludwig Riemenschneider
1005 Glen Cove Avenue, Glen Head, NY, 11545
empiresurveys@aol.com | (516)-240-6981

DRAFT

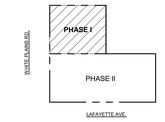
Supportive Housing - Phase I

1920 Turnbull Avenue, Bronx, NY 10473

Owner:
Gilbane
STRADA
STRADA VENTURES LLC
CUCS

BLOCK: #3672 LOT: #40

NYC DOB #: # X01265022-II



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Do Not Scale Plans
Contractor to promptly notify Architect of any material variations between field conditions and existing conditions as indicated in Contract documents

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SITE SURVEY

DOB SEAL:

SEAL & SIGNATURE:
REGISTERED ARCHITECT CHRISTOPHER JONES 036305 STATE OF NEW YORK

PROJECT No:	24008
DRAWING BY:	Author
CHK BY:	LC
DWG No:	A-007.00
SCALE:	45 OF 183

LEGEND:

- PROPERTY LINE
- EXISTING STREET TREE
- NEW STREET TREE
- FIRE HYDRANT
- UTILITY POLE

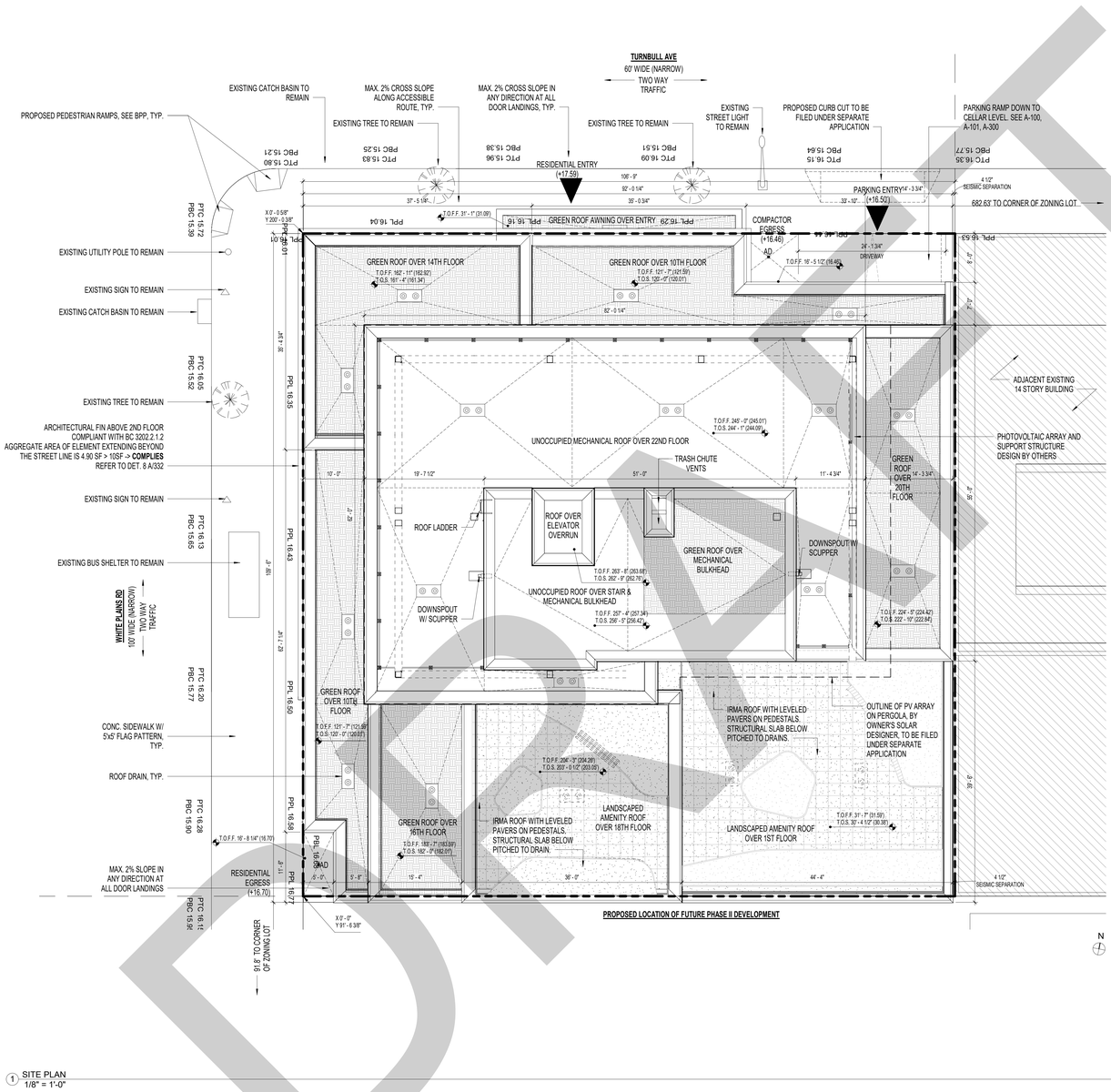
BUILDING INFORMATION	
ADDRESS	1920 TURNBULL AVE, BRONX, NY 10473
BLOCK	3672
LOT	20
CONSTRUCTION CLASSIFICATION	TYPE IB
SEISMIC GROUP	SITE CLASS D - SEISMIC DESIGN CATEGORY B
FLOOD ZONE	ZONE X
FLOOD OCCUPANCY	N/A
OCCUPANCY CLASSIFICATIONS	R-2/ AFFORDABLE AND SUPPORTIVE HOUSING B/ SUPPORTIVE SERVICE FACILITY
AVERAGE CURB LEVELS	TURNBULL AVE: 16.40'
	WHITE PLAINS RD: 16.48'
HIGHEST OCCUPIED FLOOR/HEIGHT	21 STORIES, 217.33'
BUILDING CATEGORY	HIGHRISE

SITE PLAN NOTES

1. SEE MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS FOR ADDITIONAL UTILITIES INFORMATION (RELATED JOB NUMBERS ON A-001)
2. SITE IS NOT LOCATED WITHIN 200 FEET OF NYCTA OR RAILROAD INFRASTRUCTURE
3. NO LANDMARK PROPERTIES ARE LOCATED ADJACENT TO THE SITE. ADJACENT BIN NUMBERS ARE AS FOLLOWS:

   1940 TURNBULL AVE: BIN #2130573
   1968 LAFAYETTE AVE: BIN #2002645

   SEE A-006 FOR ZOLA MAP.



1 SITE PLAN
1/8" = 1'-0"

DRAFT

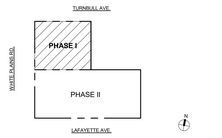
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Owner: Gilbane / STRADA / STRADA VENTURES LLC / CUCS

BLOCK: #3672 LOT: #40

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SITE PLAN

DOB SEAL:

SEAL & SIGNATURE:

REGISTERED ARCHITECT CHRISTOPHER JAMES CARLSON 028309 STATE OF NEW YORK

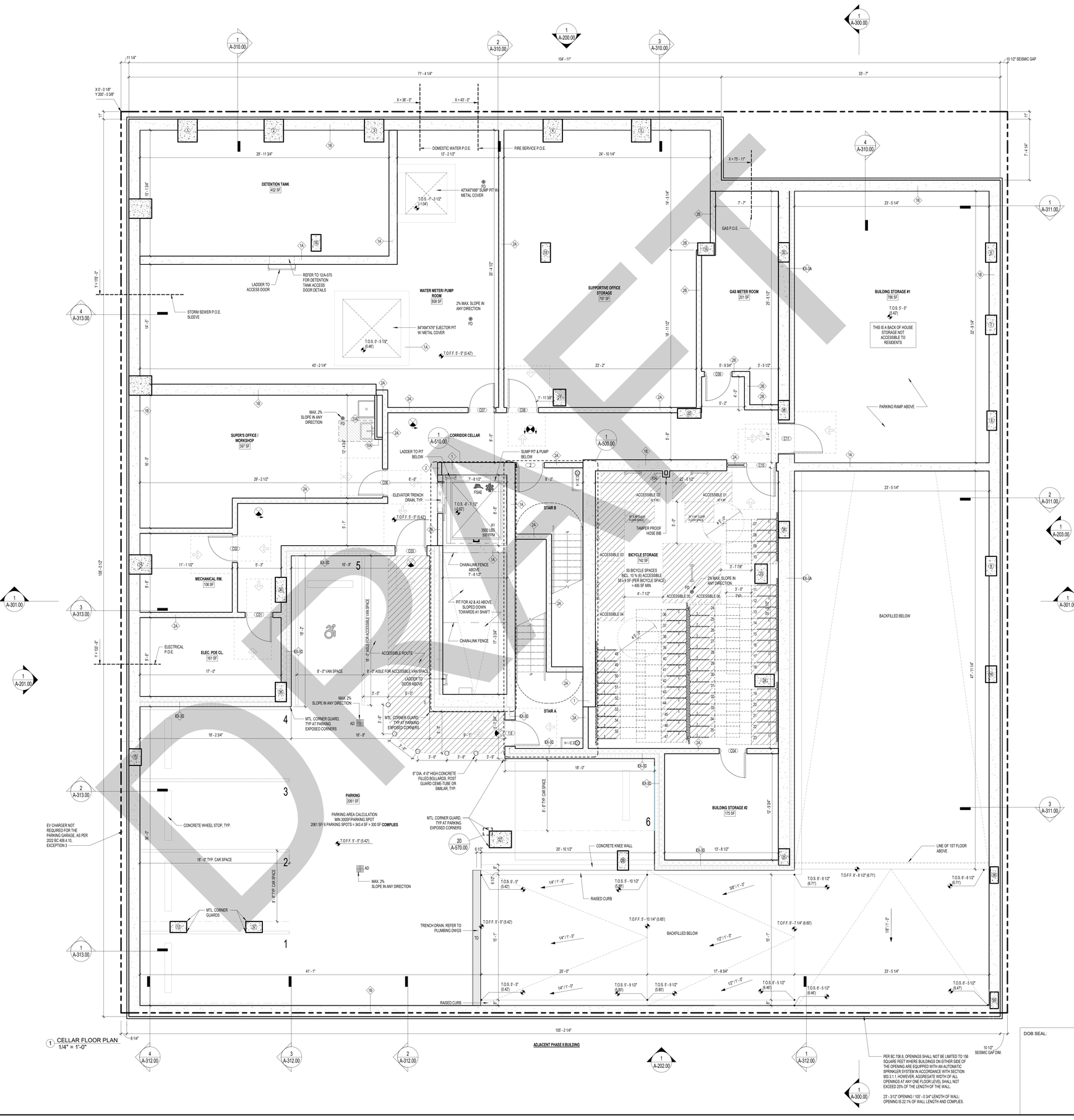
PROJECT No:	24008
DRAWING BY:	Author
CHK BY:	LC
DWG No:	A-008.00
SCALE: As indicated	46 OF 183

GENERAL FLOOR PLAN NOTES

1. REFER TO DWG A-600, A-601 FOR PARTITION TYPES AND DETAILS.
2. REFER TO DRAWINGS A-610, A-611, A-612 FOR DOOR TYPES AND DETAILS.
3. REFER TO REFLECTED CEILING PLANS A-120 THROUGH A-126 FOR ADDITIONAL INFORMATION.
4. REFER TO DRAWINGS A-500 THROUGH A-504 FOR STAIR DRAWINGS AND STAIR DETAILS.
5. SEE A-010, A-011 ELEVATOR DRAWINGS FOR ADDITIONAL INFORMATION.
6. ALL EXPOSED SURFACES TO RECEIVE A FINISH. REFER TO FINISH SCHEDULE AND SPECIFICATIONS FOR ADDITIONAL INFORMATION.
7. ALL STRUCTURAL COLUMNS IN RESIDENTIAL AND FRONT OF HOUSE AREAS TO RECEIVE FURRING AND FINISH, WHETHER OR NOT SHOWN ON DRAWINGS.
8. THE FOLLOWING SCOPE IS SUBJECT TO DELEGATED DESIGN:
   - A. SOLAR ARRAY GALVANIZED STEEL POSTS AND BEAMS, ANCHORS TO SUPERSTRUCTURE AND ROOF.
   - B. CONDENSERS SUPPORT DUNNAGE AND CATWALKS.
   - C. PARAPET GUARDRAILS AND WINDSCREENS.
   - D. ANY OTHER WORK LISTED UNDER PROJECT SPECIFICATIONS.
9. REFER TO DRAWINGS A-003, A-004, A-020, A-030 FOR ACCESSIBILITY STANDARD REQUIREMENTS, CLEARANCES AND DETAILS.
10. REFER TO DRAWINGS A-020, A-021 FOR LIFE AND SAFETY PLANS AND CODE COMPLIANCE.
11. FOR GALLEY KITCHENS, CONTINUE WALL.
12. REFER TO KITCHEN DETAIL SHEET FOR WALL TYPES UNDER GALLEY COUNTERTOP.
13. REFER TO MEP RISER DIAGRAMS FOR RISER TAGS AND EXACT SIZE. COORDINATE PENETRATIONS ACCORDINGLY.

LEGEND

- MOB. (MOBILITY IMPAIRED)
- H/V (HEARING/ VISUAL IMPAIRED)
- ELECTRICAL PANEL (EP)
- NID BOX
- ROOM SEPARATION LINE
- 4" MIN. 32" TYP. DOOR JAMB CLEARANCE UON



1 CELLAR FLOOR PLAN
1/4" = 1'-0"

DRAFT

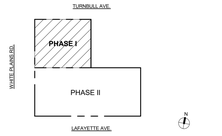
Supportive Housing - Phase I

1920 Turnbull Avenue, Bronx, NY 10473

Owner: Gilbane / STRADA / STRADA VENTURES LLC / CUCS

BLOCK: #3672 LOT: #40

NYC DOB #: # X01265022-I1



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NOT FOR CONSTRUCTION

Revisions:

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CELLAR - CONSTRUCTION PLAN

DOB SEAL:

SEAL & SIGNATURE: REGISTERED ARCHITECT CHRISTOPHER JONES 026302 STATE OF NEW YORK

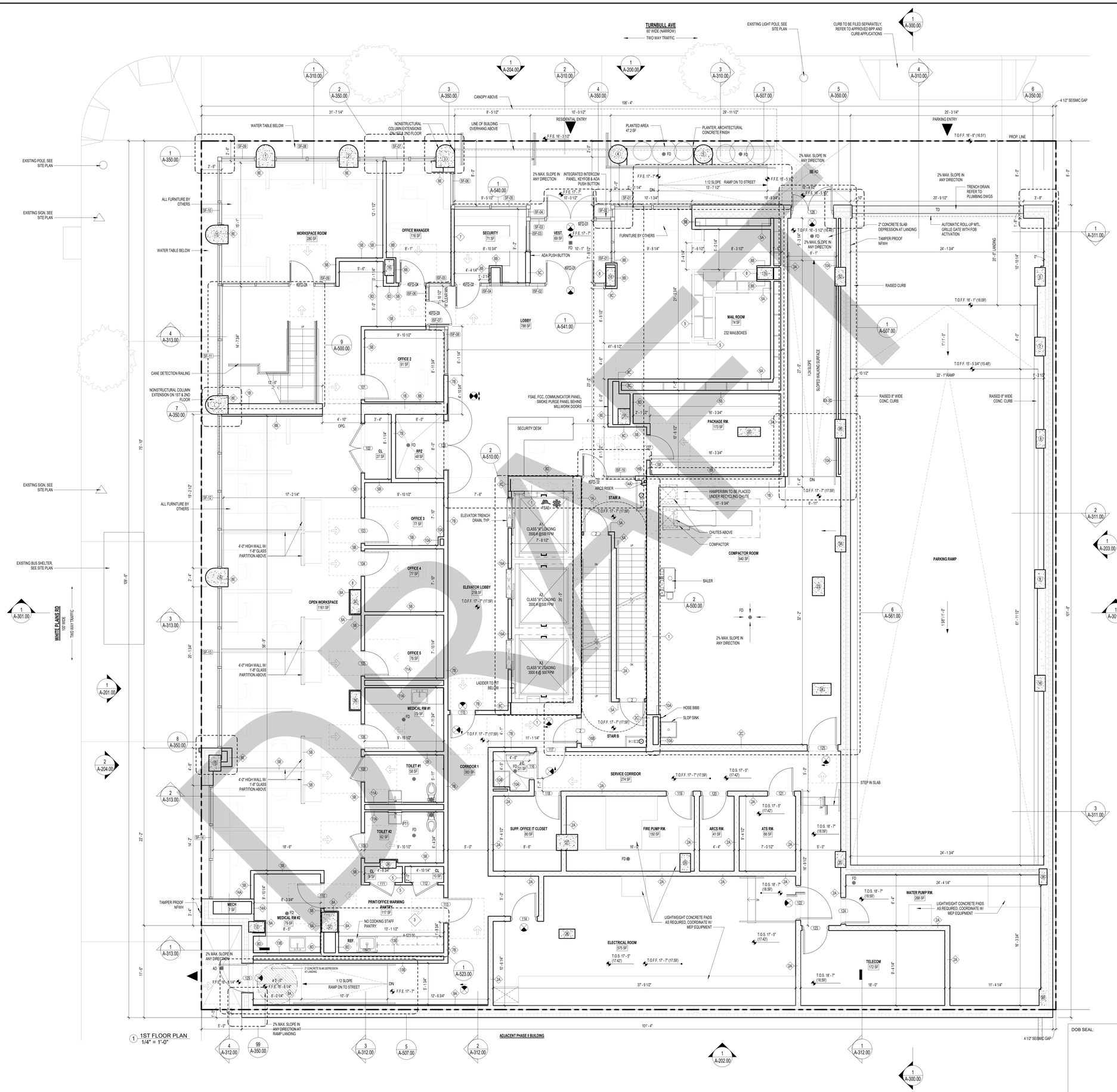
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DRAWING BY:	Author
CHK BY:	LC
DWG No:	A-100.00
SCALE:	As indicated
	58 OF 183

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DRAFT

Supportive Housing - Phase I

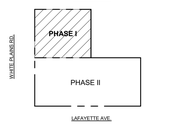
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1ST FLOOR - CONSTRUCTION PLAN

SEAL & SIGNATURE:

REGISTERED ARCHITECT CHRISTOPHER G. MAKE 038302 STATE OF NEW YORK

DOB SEAL:

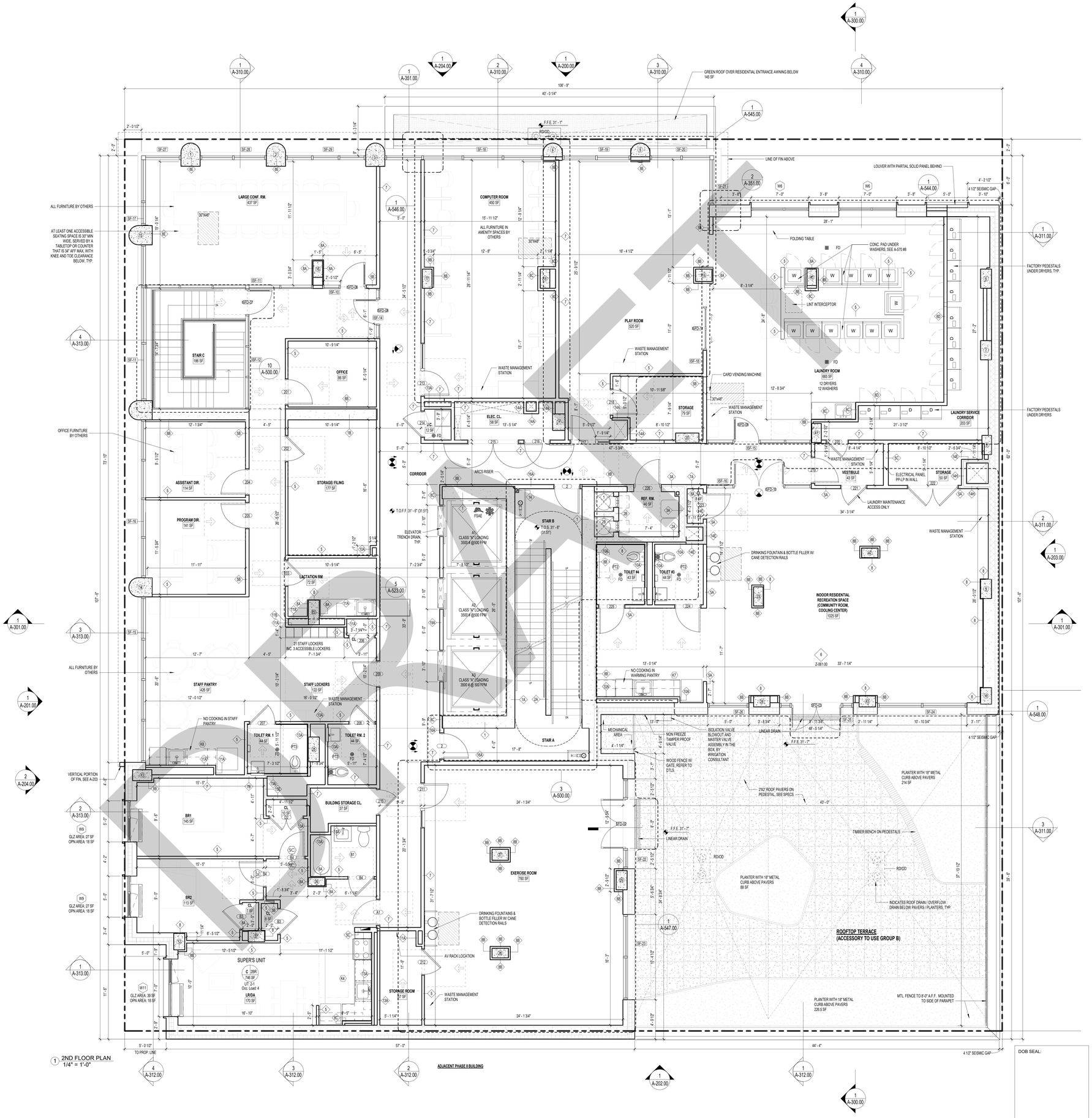
PROJECT No:	24008
DRAWING BY:	Author
CHK BY:	LC
DWG No:	A-101.00
SCALE: As indicated	57 OF 183

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1 2ND FLOOR PLAN
1/4" = 1'-0"

Supportive Housing - Phase I

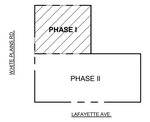
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2ND FLOOR - CONSTRUCTION PLAN

SEAL & SIGNATURE:

REGISTERED ARCHITECT CHRISTOPHER JONES 036305 STATE OF NEW YORK

DOB SEAL:

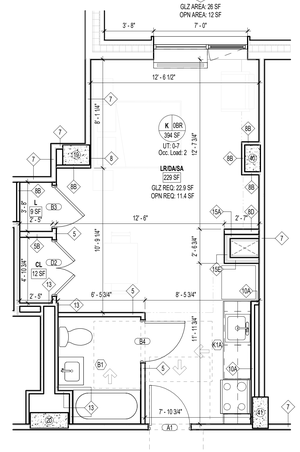
PROJECT No:	24008
DRAWING BY:	Author
CHK BY:	LC
DWG No:	A-102.00
SCALE:	As indicated
	59 OF 183

GENERAL FLOOR PLAN NOTES

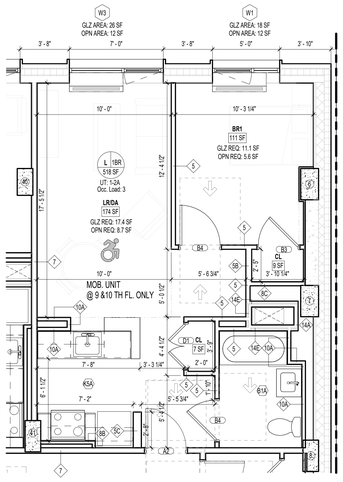
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② ENLARGED 5K/6K/7K/8K UNIT PLAN
1/4" = 1'-0"



③ ENLARGED 9L & 10L UNIT PLAN
1/4" = 1'-0"



① 3RD-10TH FLOOR PLAN
1/4" = 1'-0"

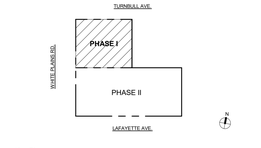
Supportive Housing - Phase I

1920 Turnbull Avenue, Bronx, NY 10473

Owner: Gilbane / STRADA / STRADA VENTURES LLC / CUCS

BLOCK: #3672 LOT: #40

NYC DOB #: # X01265022-I1



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Revisions:

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3RD-10TH FLOOR - CONSTRUCTION PLAN

DOB SEAL:

SEAL & SIGNATURE: REGISTERED ARCHITECT CHRISTOPHER JAMES LC 038309 STATE OF NEW YORK

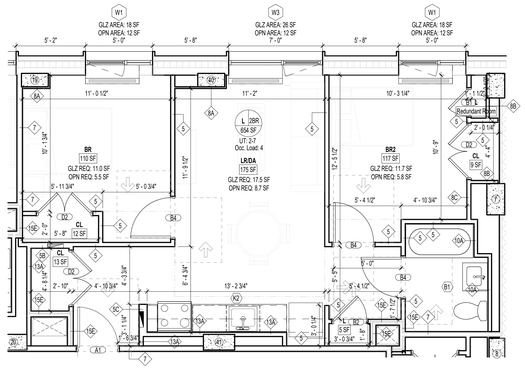
PROJECT No:	24008
DRAWING BY:	Author
CHK BY:	LC
DWG No:	A-103.00
SCALE:	As indicated
	60 OF 183

GENERAL FLOOR PLAN NOTES

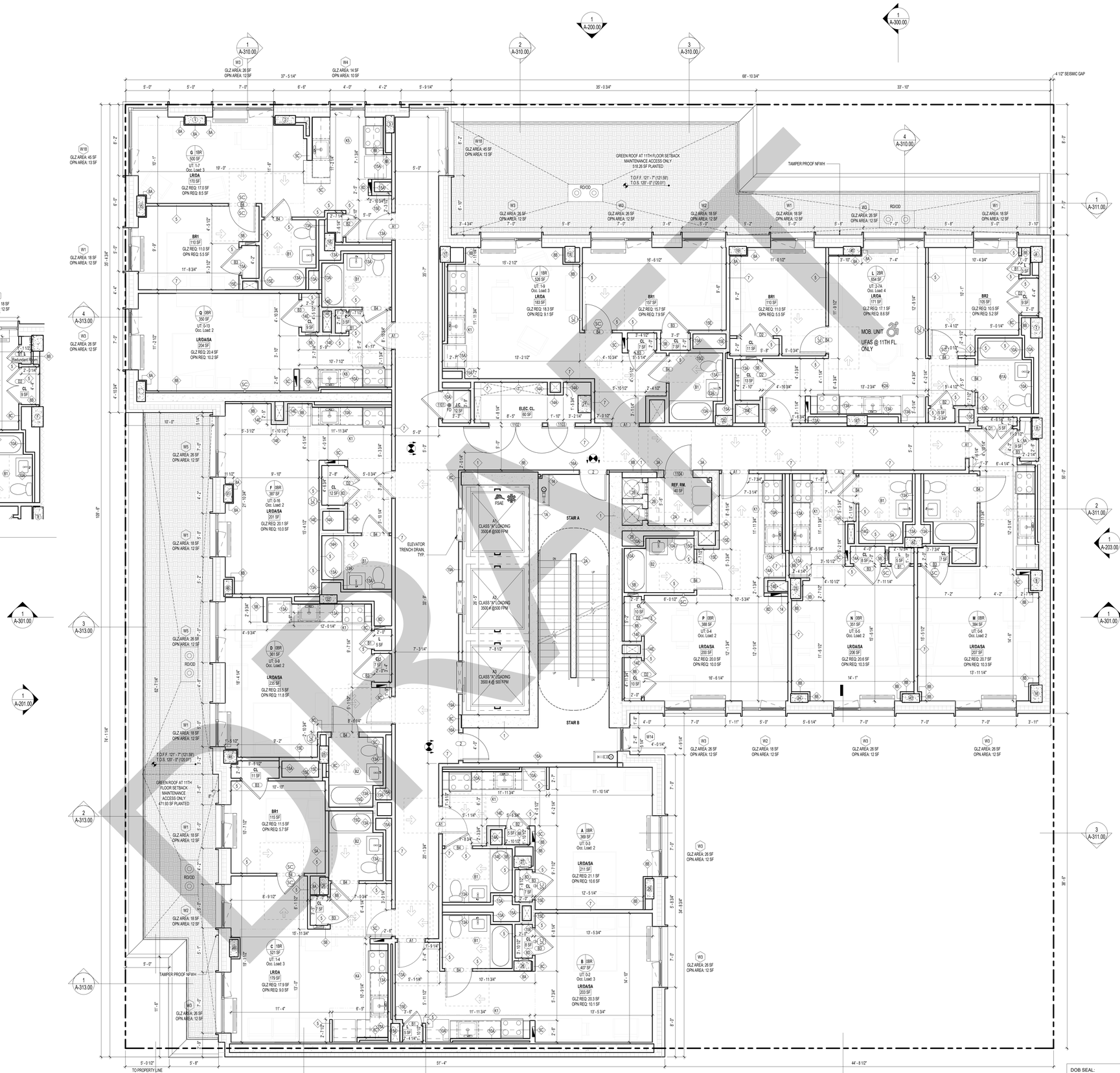
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Supportive Housing - Phase I

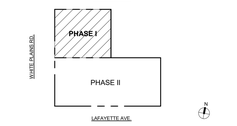
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11TH-14TH FLOOR - CONSTRUCTION PLAN

SEAL & SIGNATURE:

REGISTERED ARCHITECT CHRISTOPHER JONES 038305 STATE OF NEW YORK

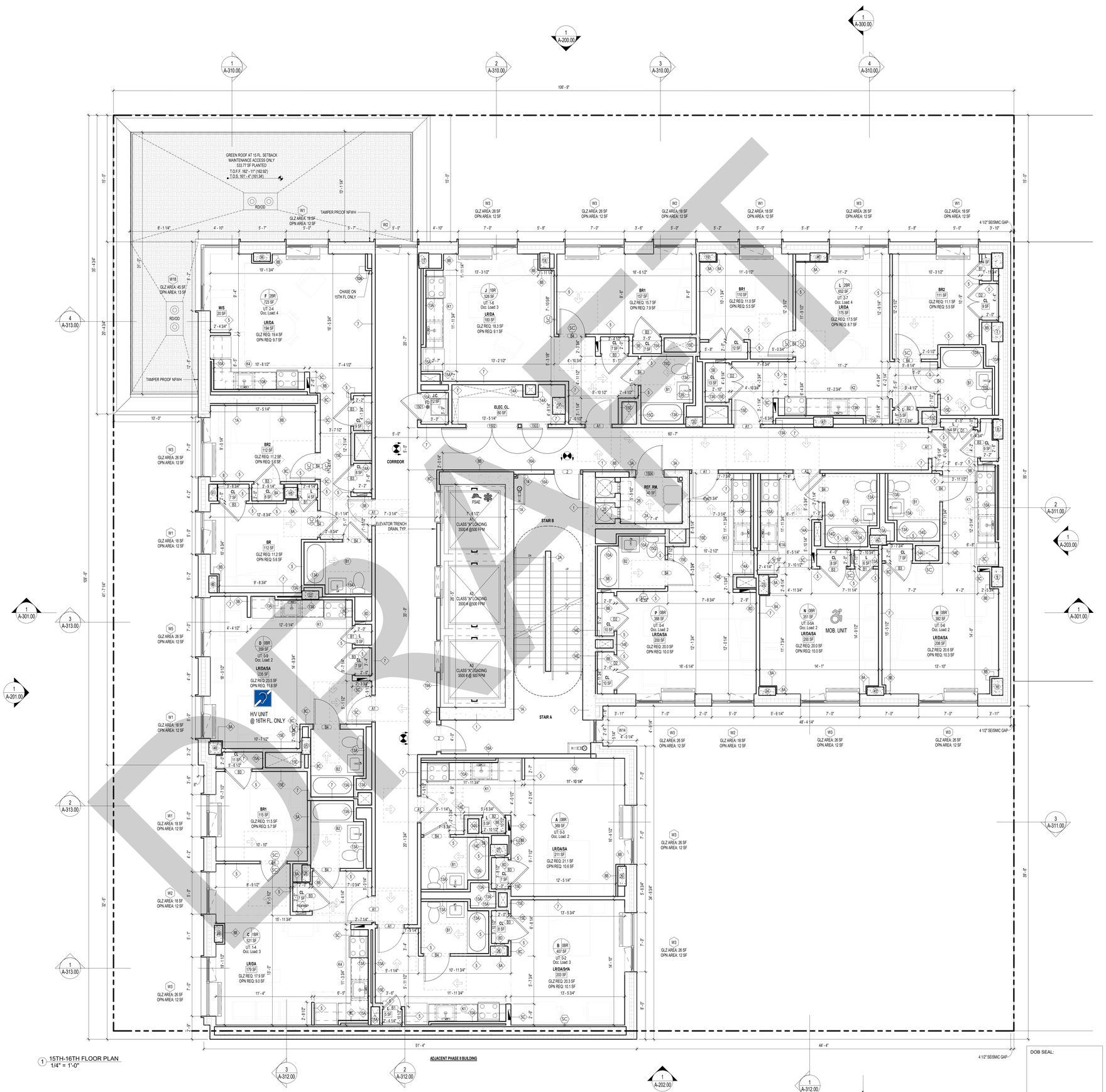
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1 15TH-16TH FLOOR PLAN
1/4" = 1'-0"

DRAFT

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STRADA VENTURES LLC

CUCS

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NYC DOB #: # X01265022-I1

TURNBULL AVE.

PHASE I

WHITE PLAINS RD.

PHASE II

LAFAYETTE AVE.

Key Plan:

NUMBER	DATE	DESCRIPTION
1	06/06/2025	PROGRESS DD SET FOR CLIENT REVIEW
2	07/15/2025	DOB SUBMISSION / DESIGN DEVELOPMENT SET
3	09/25/2025	DOB EN SUBMISSION
4	11/07/2025	DOB SUBMISSION
5	11/21/2025	HPD/BLDS RESPONSE

NOT FOR CONSTRUCTION

Revisions:

Architect:

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New York NY 10018
Tel (212) 253 7820 Fax (212) 253 1276

Structural Engineer:

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New York NY 10016
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MEP Engineer:

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Civil Engineer SWPPP:

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Filing Representative:

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Do Not Scale Plans
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15TH-16TH FLOOR - CONSTRUCTION PLAN

SEAL & SIGNATURE:

REGISTERED ARCHITECT CHRISTOPHER J. JONES 029307 STATE OF NEW YORK

DOB SEAL:

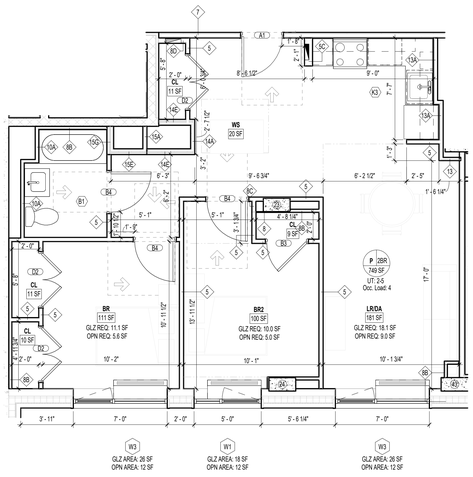
PROJECT No:	24008
DRAWING BY:	Author
CHK BY:	LC
DWG No:	A-106.00
SCALE:	As indicated
	62 OF 183

GENERAL FLOOR PLAN NOTES

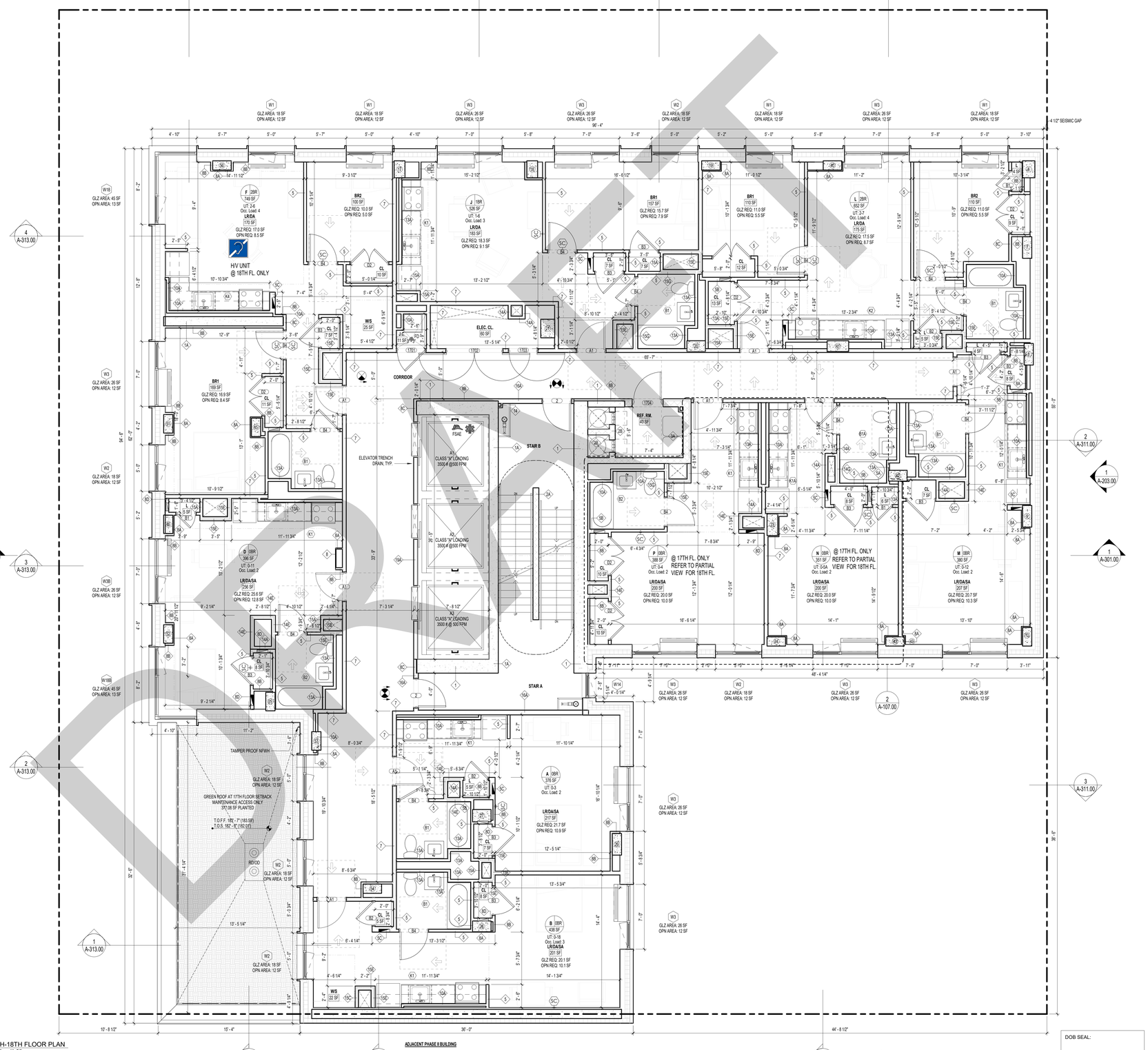
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LEGEND

- MOB. (MOBILITY IMPAIRED)
- H/V (HEARING/ VISUAL IMPAIRED)
- ELECTRICAL PANEL (EP)
- NID BOX
- ROOM SEPARATION LINE
- 4" MIN. / 36" — TYP. DOOR JAMB CLEARANCE UON



2 ENLARGED 18P UNIT PLAN
1/4" = 1'-0"



1 17TH-18TH FLOOR PLAN
1/4" = 1'-0"

DRAFT

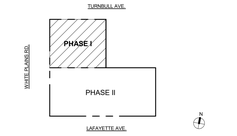
Supportive Housing - Phase I

1920 Turnbull Avenue, Bronx, NY 10473

Owner: Gilbane / STRADA / STRADA VENTURES LLC / CUCS

BLOCK: #3672 LOT: #40

NYC DOB #: # X01265022-I1



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17TH-18TH FLOOR - CONSTRUCTION PLAN

SEAL & SIGNATURE:

REGISTERED ARCHITECT CHRISTOPHER JONES 038305 STATE OF NEW YORK

DOB SEAL:

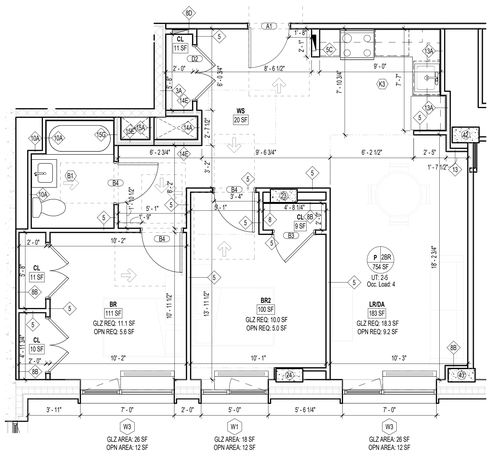
PROJECT No:	24008
DRAWING BY:	Author
CHK BY:	LC
DWG No:	A-107.00
SCALE:	As indicated
	63 OF 183

GENERAL FLOOR PLAN NOTES

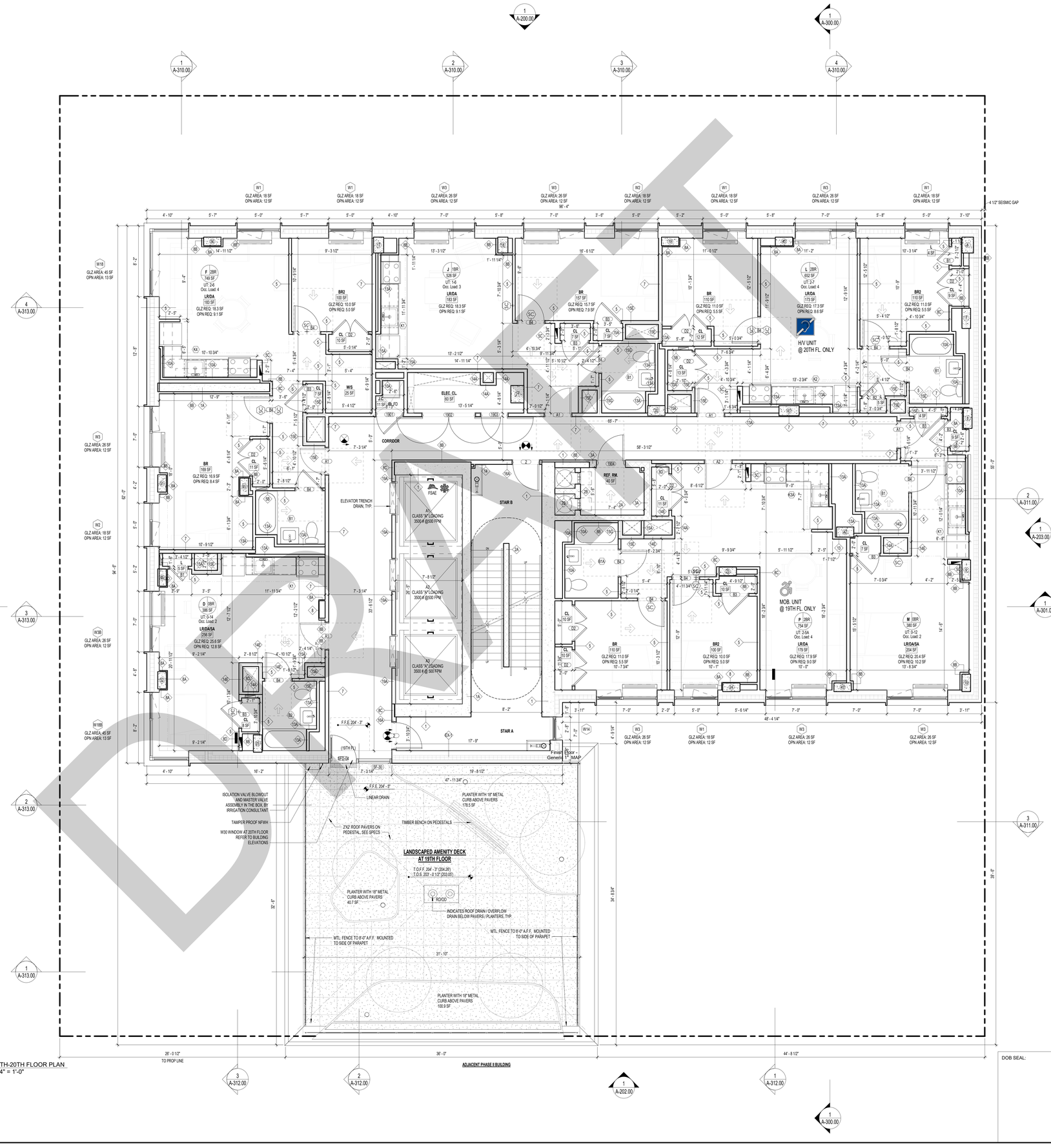
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1 19TH-20TH FLOOR PLAN
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DRAFT

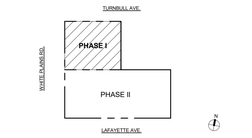
Supportive Housing - Phase I

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Owner: Gilbane / STRADA / STRADA VENTURES LLC / CUCS

BLOCK: #3672 LOT: #40

NYC DOB #: # X01265022-II



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19TH-20TH FLOOR - CONSTRUCTION PLAN

DOB SEAL:

SEAL & SIGNATURE: REGISTERED ARCHITECT CHRISTOPHER JONES STATE OF NEW YORK 028307

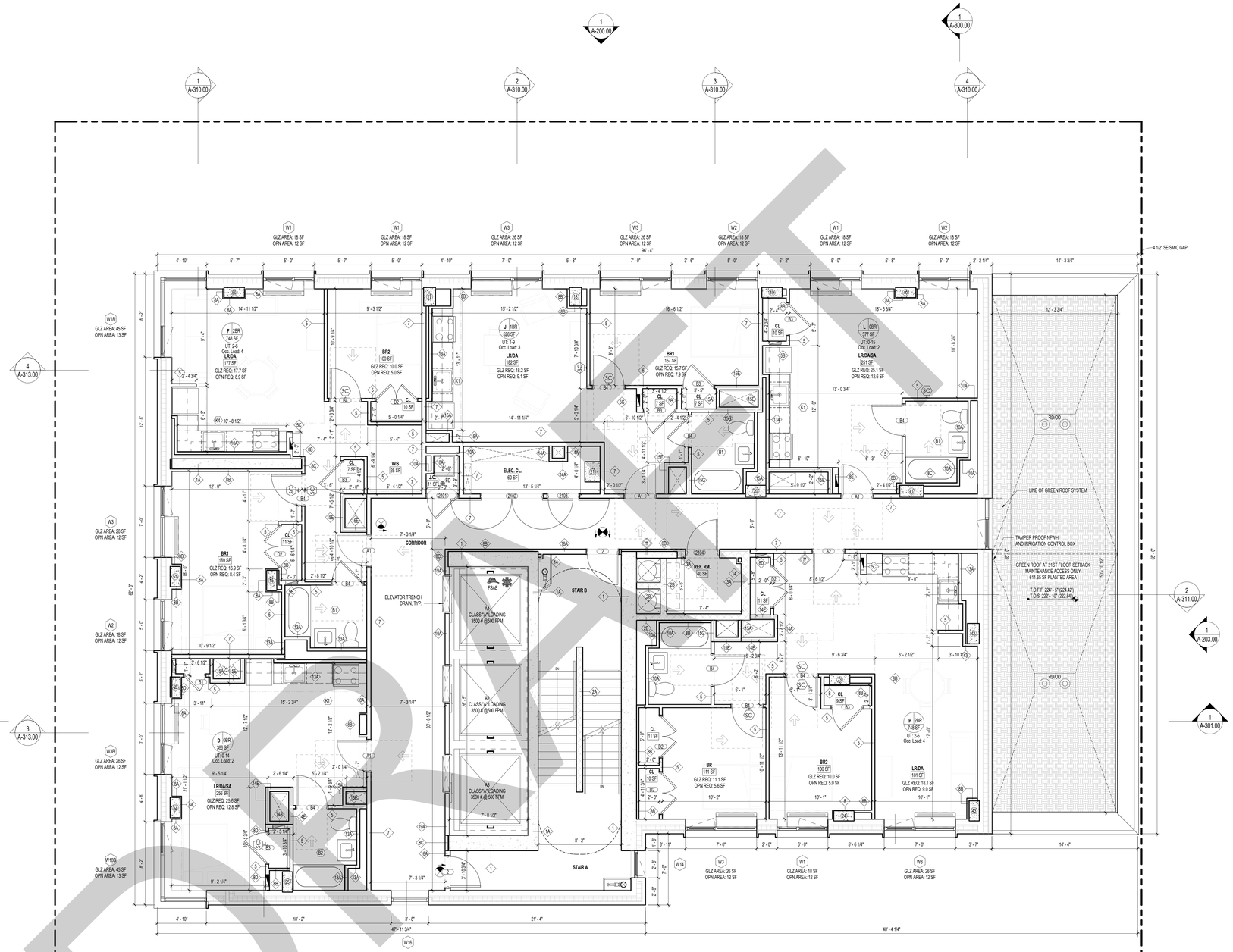
PROJECT No:	24008
DRAWING BY:	Author
CHK BY:	LC
DWG No:	A-108.00
SCALE: As indicated	64 OF 183

GENERAL FLOOR PLAN NOTES

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- NID BOX
- ROOM SEPARATION LINE
- 6" MIN. — TYP. DOOR JAMB CLEARANCE UON



1 21ST FLOOR PLAN
1/4" = 1'-0"

DRAFT

Supportive Housing - Phase I

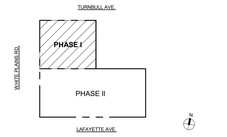
1920 Turnbull Avenue, Bronx, NY 10473

Owner:

Gilbane
STRADA
STRADA VENTURES LLC
CUCS

BLOCK: #3672 LOT: #40

NYC DOB #: # X01265022-I1



Key Plan:

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NOT FOR CONSTRUCTION

Revisions:

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21ST-22ND FLOOR - CONSTRUCTION PLAN

DOB SEAL:

SEAL & SIGNATURE:

REGISTERED ARCHITECT CHRISTOPHER JONES 038309 STATE OF NEW YORK

PROJECT No:	24008
DRAWING BY:	Author
CHK BY:	LC
DWG No:	A-109.00
SCALE:	As indicated

GENERAL FLOOR PLAN NOTES

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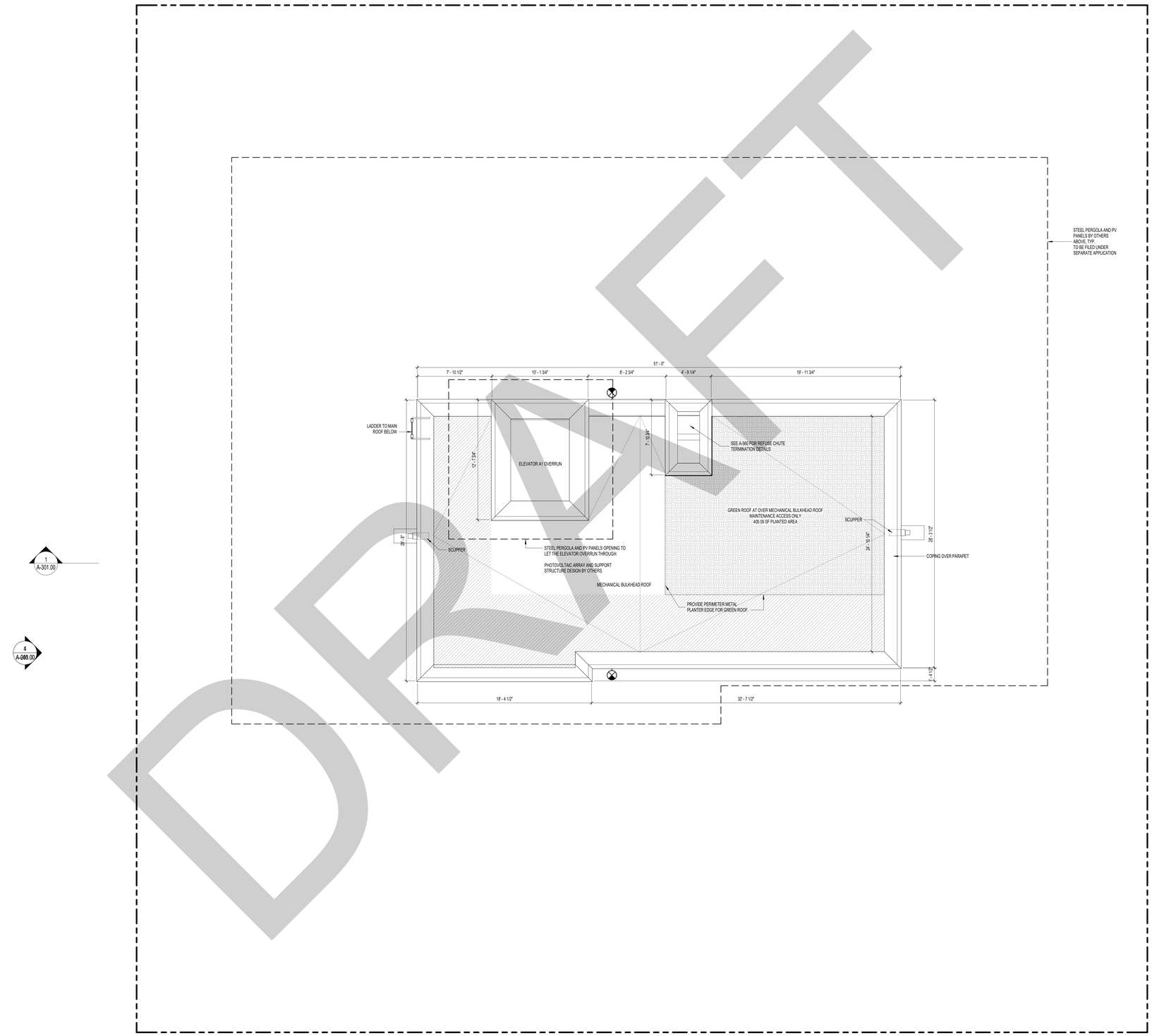
H/V (HEARING/ VISUAL IMPAIRED)

ELECTRICAL PANEL (EP)

NID BOX

ROOM SEPARATION LINE

4" MIN. — TYP. DOOR JAMB CLEARANCE UON



1 BULKHEAD PLAN
1/4" = 1'-0"

DRAFT

Supportive Housing - Phase I

1920 Turnbull Avenue, Bronx, NY 10473

Owner:

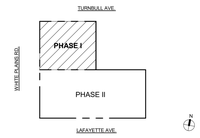
Gilbane

STRADA
STRADA VENTURES LLC

CUCS

BLOCK: #3672 LOT: #40

NYC DOB #: # X01265022-I1



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Revisions:

Architect:

MAGNUSSON

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BULKHEAD - CONSTRUCTION PLAN

DOB SEAL:

SEAL & SIGNATURE:

REGISTERED ARCHITECT CHRISTOPHER JAMES LEE 038309 STATE OF NEW YORK

PROJECT No:	24008
DRAWING BY:	Author
CHK BY:	LC
DWG No:	A-111.00
SCALE: As indicated	65 OF 183

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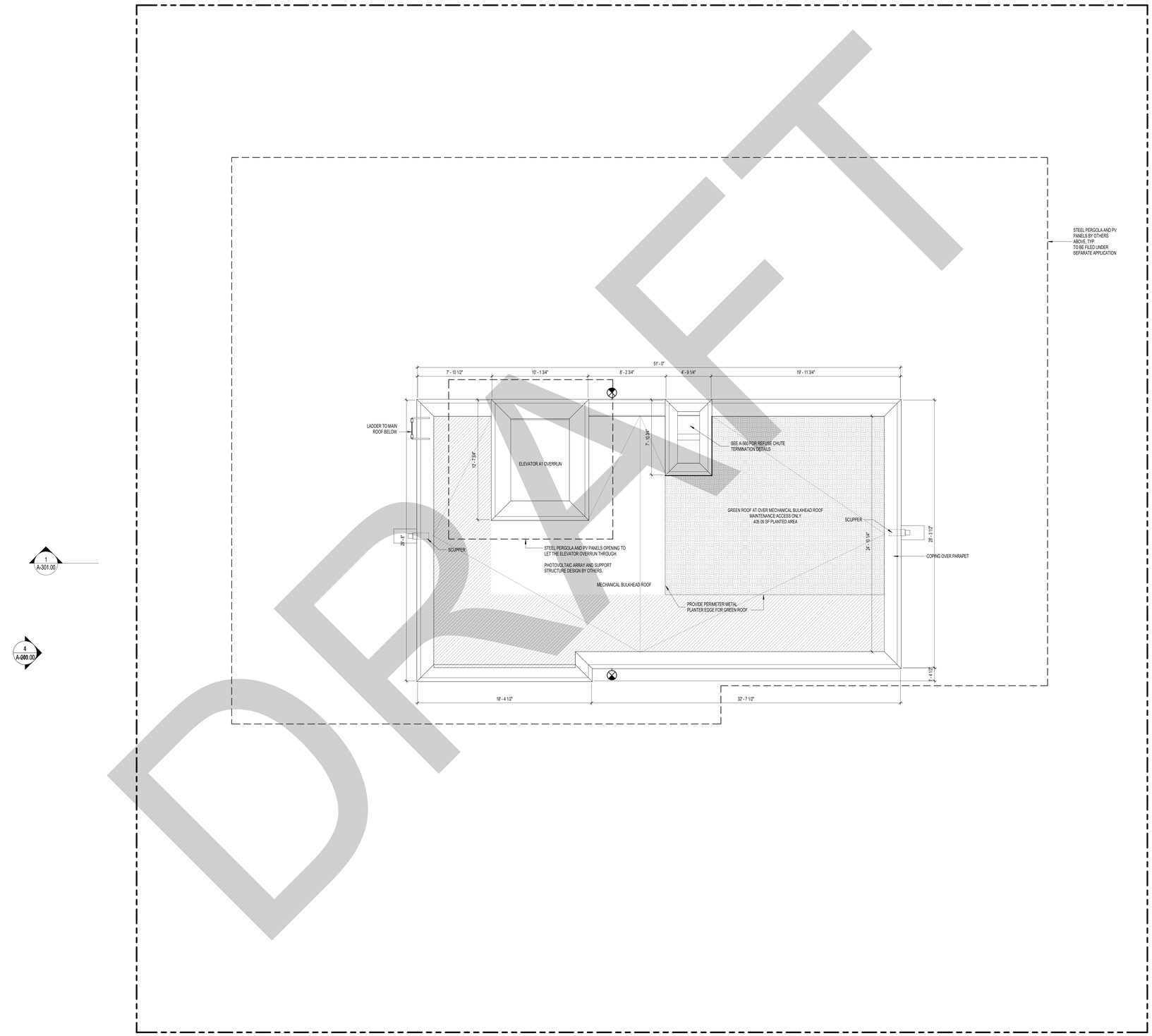
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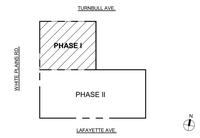
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BULKHEAD - CONSTRUCTION PLAN

DOB SEAL:

SEAL & SIGNATURE:

REGISTERED ARCHITECT CHRISTOPHER JAMES LEE 038309 STATE OF NEW YORK

PROJECT No:	24008
DRAWING BY:	Author
CHK BY:	LC
DWG No:	A-111.00
SCALE: As indicated	65 OF 183

RCP NOTES

1. COORDINATE WITH MEP DRAWINGS.
2. LIGHTING CONTROLS TO COMPLY WITH NYC ENERGY CODE.
3. ALL PUBLIC LIGHTING SHALL BE METERED SEPARATELY FROM RESIDENTIAL UNITS.
4. ALL DWELLING UNITS SHALL BE INDIVIDUALLY METERED.
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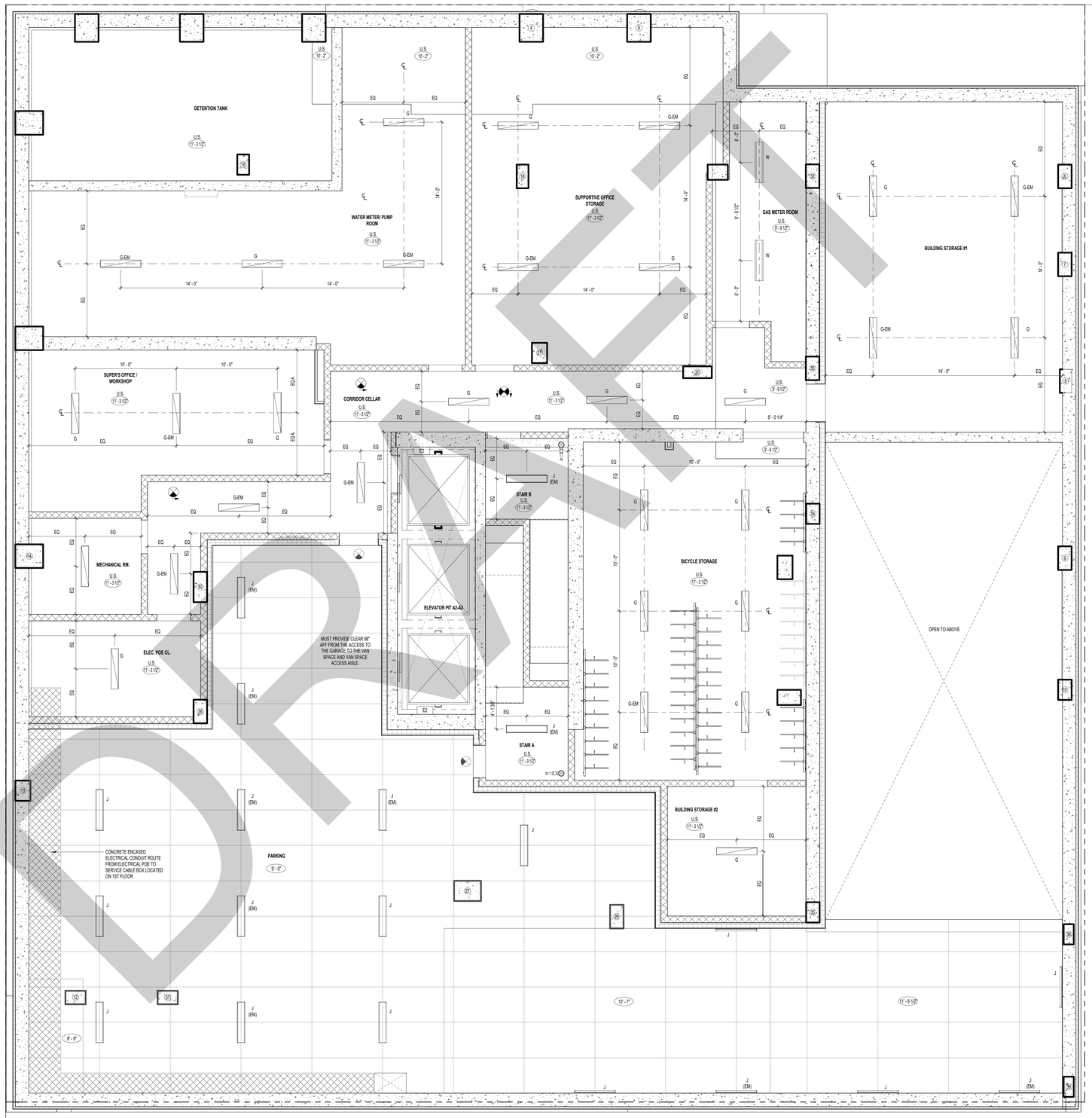
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RCP LEGEND

EXHAUST GRILLE



1 CELLAR RCP
1/4" = 1'-0"

DRAFT

Supportive Housing - Phase I

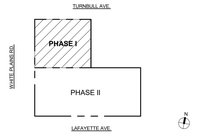
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Owner:

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STRADA
STRADA VENTURES LLC
CUCS

BLOCK: #3672 LOT: #40

NYC DOB # : # X01265022-I1



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CELLAR RCP

DOB SEAL:

SEAL & SIGNATURE:

REGISTERED ARCHITECT CHRISTOPHER JONES 028302 STATE OF NEW YORK

PROJECT No:	24008
DRAWING BY:	Author
CHK BY:	LC
DWG No:	A-120.00
SCALE: As indicated	81 OF 183

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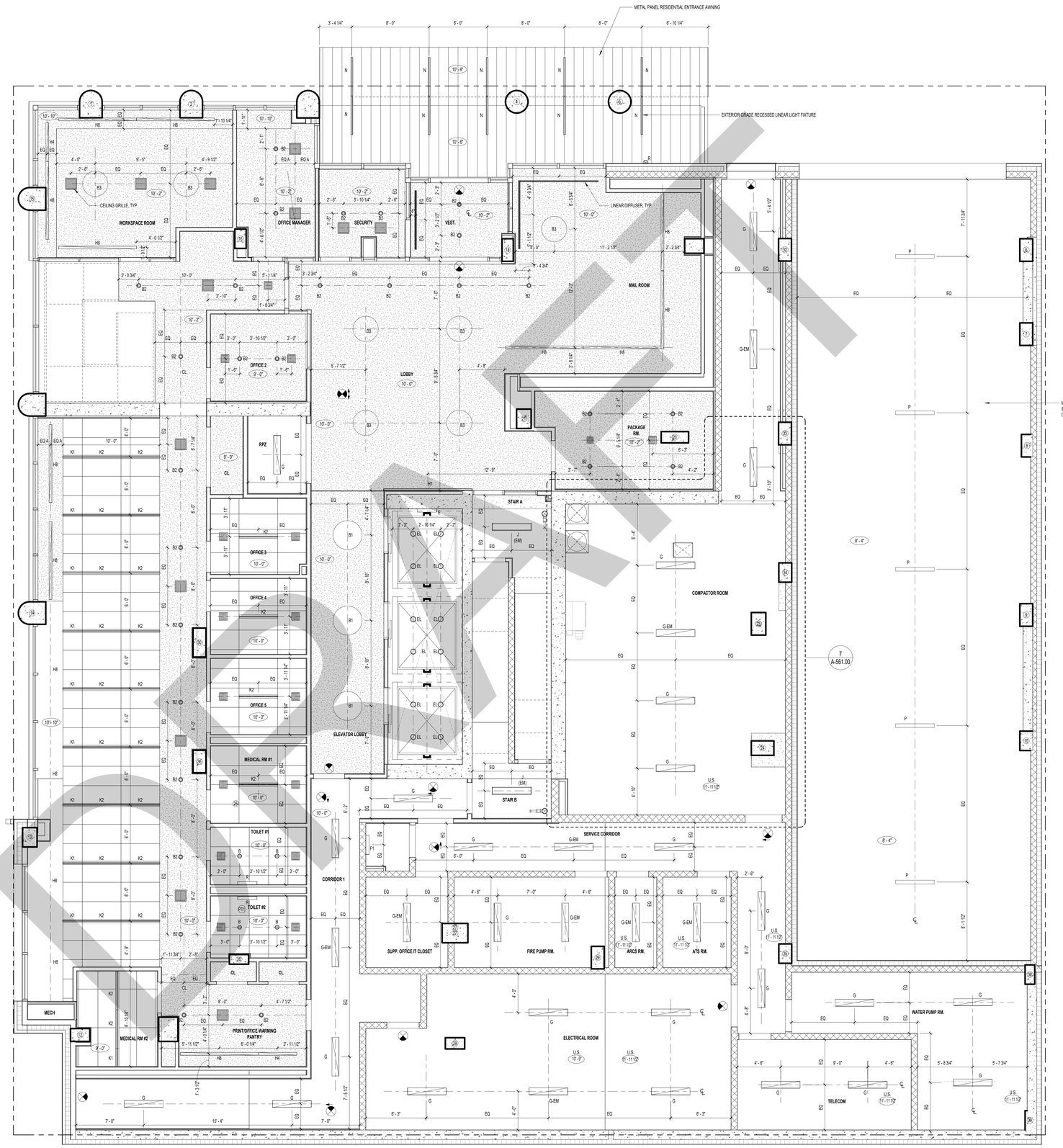
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1 1ST FLOOR RCP
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Supportive Housing - Phase I

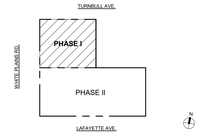
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Owner:

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BLOCK: #3672 LOT: #40

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DOB SEAL:

SEAL & SIGNATURE:

REGISTERED ARCHITECT CHRISTOPHER JONES 098305 STATE OF NEW YORK

PROJECT No:	24008
DRAWING BY:	Author
CHK BY:	LC
DWG No:	A-121.00
SCALE:	As indicated
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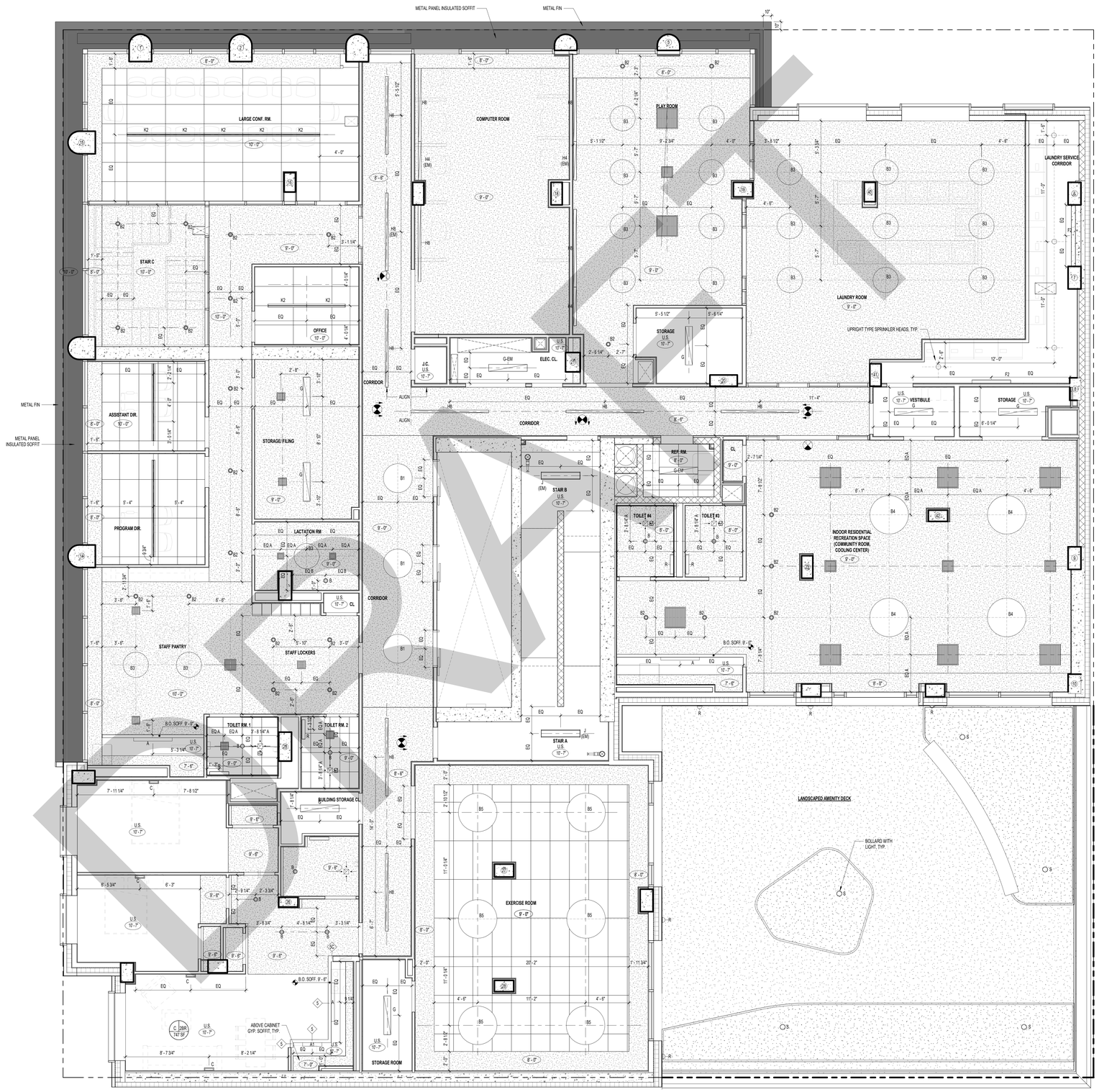
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Supportive Housing - Phase I

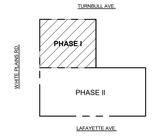
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SEAL & SIGNATURE:
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DRAWING BY:	Author
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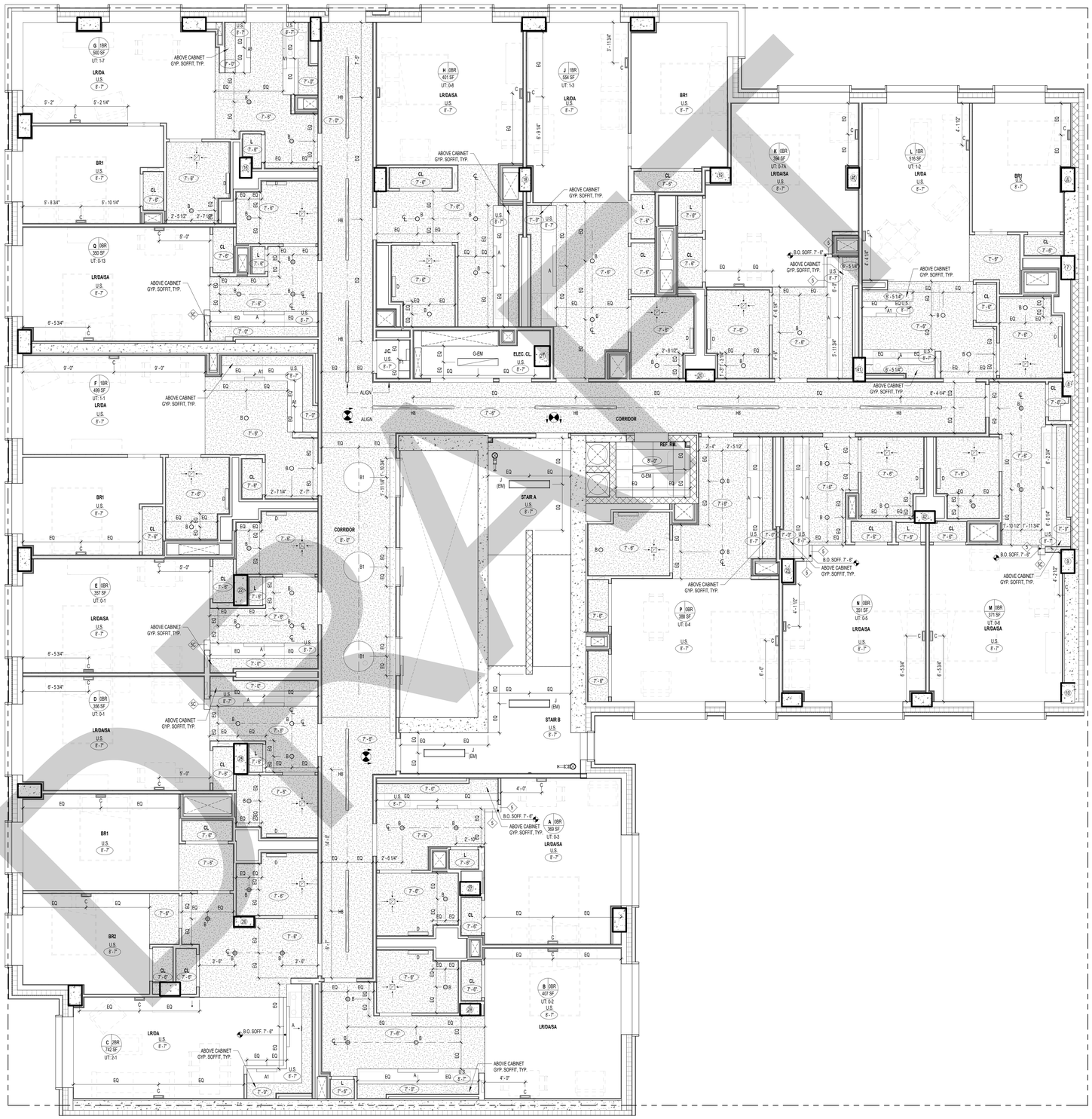
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1 3RD-5TH & 7TH-9TH FLOOR RCP
1/4" = 1'-0"

DRAFT

Supportive Housing - Phase I

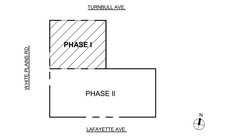
1920 Turnbull Avenue, Bronx, NY 10473

Owner:

Gilbane
STRADA
STRADA VENTURES LLC
CUCS

BLOCK: #3672 LOT: #40

NYC DOB #: # X01265022-I1



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3RD-5TH & 7TH-9TH FLOOR RCP

DOB SEAL:

SEAL & SIGNATURE:

REGISTERED ARCHITECT CHRISTOPHER J. GREEN 058305 STATE OF NEW YORK

PROJECT No:	24008
DRAWING BY:	Author
CHK BY:	LC
DWG No:	A-123.00
SCALE: As indicated	84 OF 183

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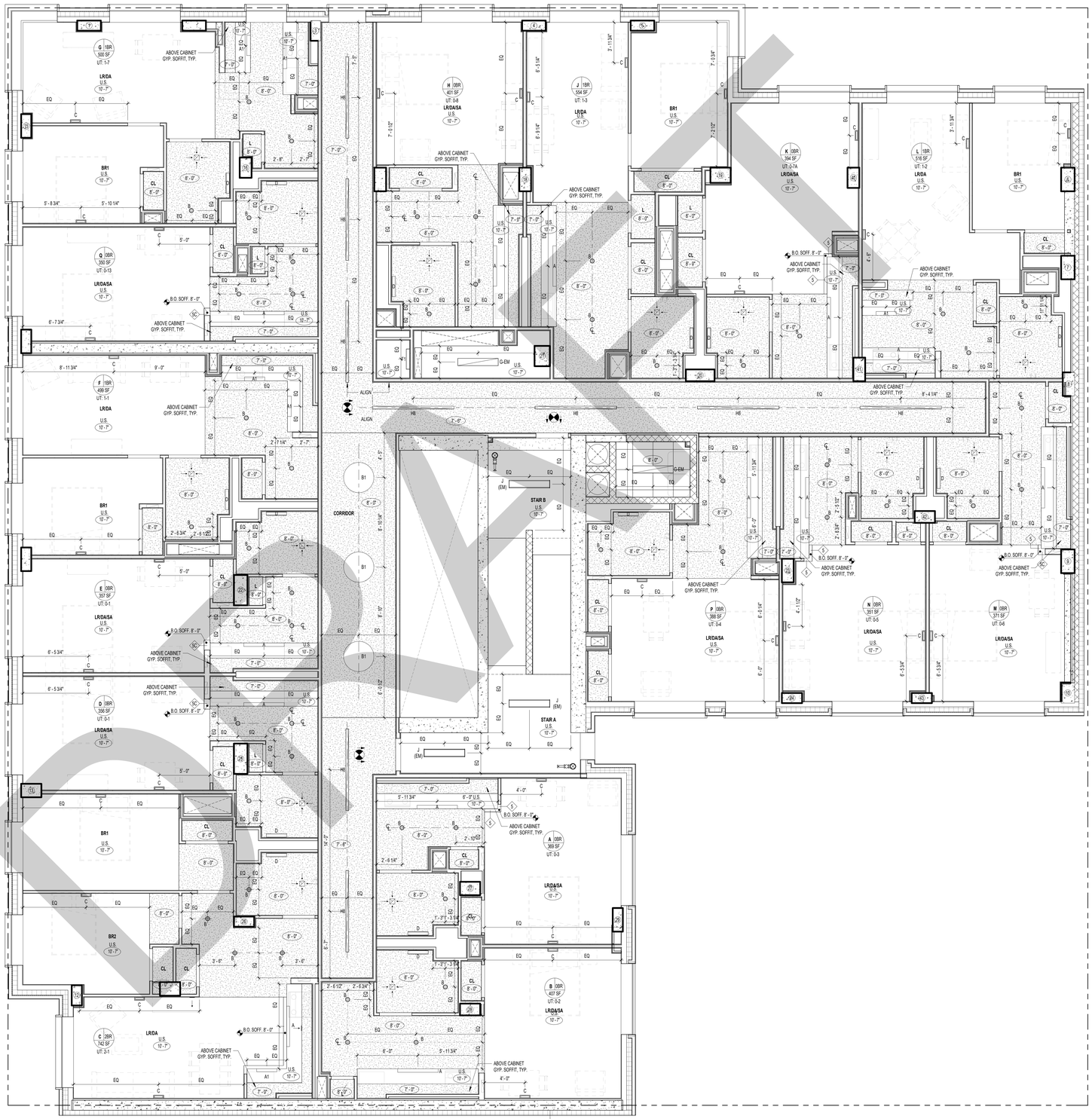
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Supportive Housing - Phase I

1920 Turnbull Avenue, Bronx, NY 10473

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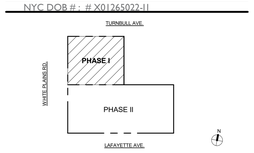
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NYC DOB #: # X01265022-I1



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6TH FLOOR RCP

DOB SEAL:

SEAL & SIGNATURE:

REGISTERED ARCHITECT CHRISTOPHER JAMES MAGNUSSON 038302 STATE OF NEW YORK

PROJECT No:	24008
DRAWING BY:	Author
CHK BY:	LC
DWG No:	A-124.00
SCALE: As indicated	84 OF 183

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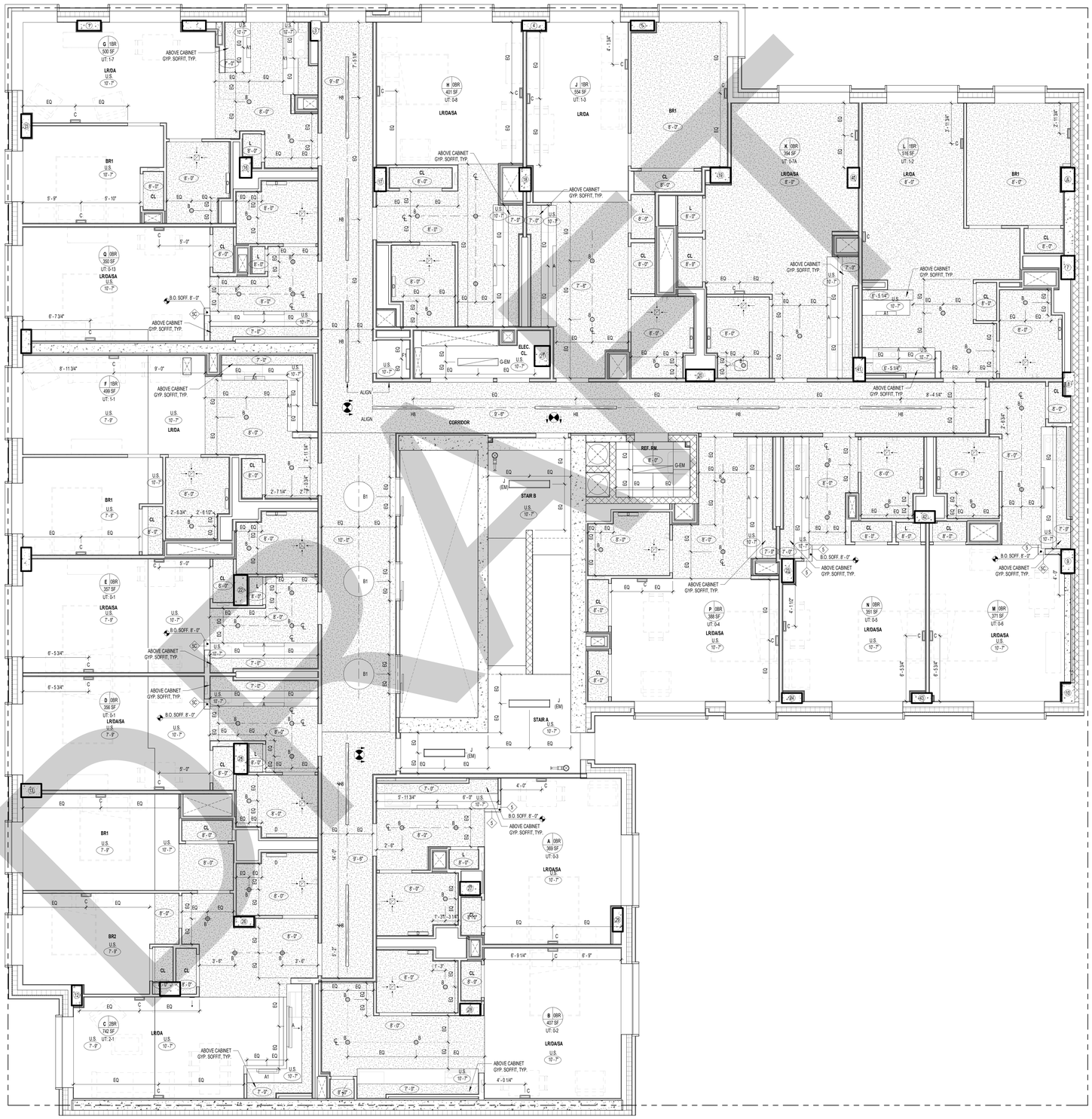
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Supportive Housing - Phase I

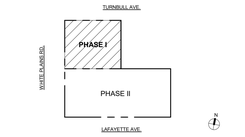
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Owner:

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STRADA
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10TH FLOOR RCP

DOB SEAL:

SEAL & SIGNATURE:

REGISTERED ARCHITECT CHRISTOPHER JAMES 038302 STATE OF NEW YORK

PROJECT No:	24008
DRAWING BY:	Author
CHK BY:	LC
DWG No:	A-125.00
SCALE: As indicated	84 OF 183

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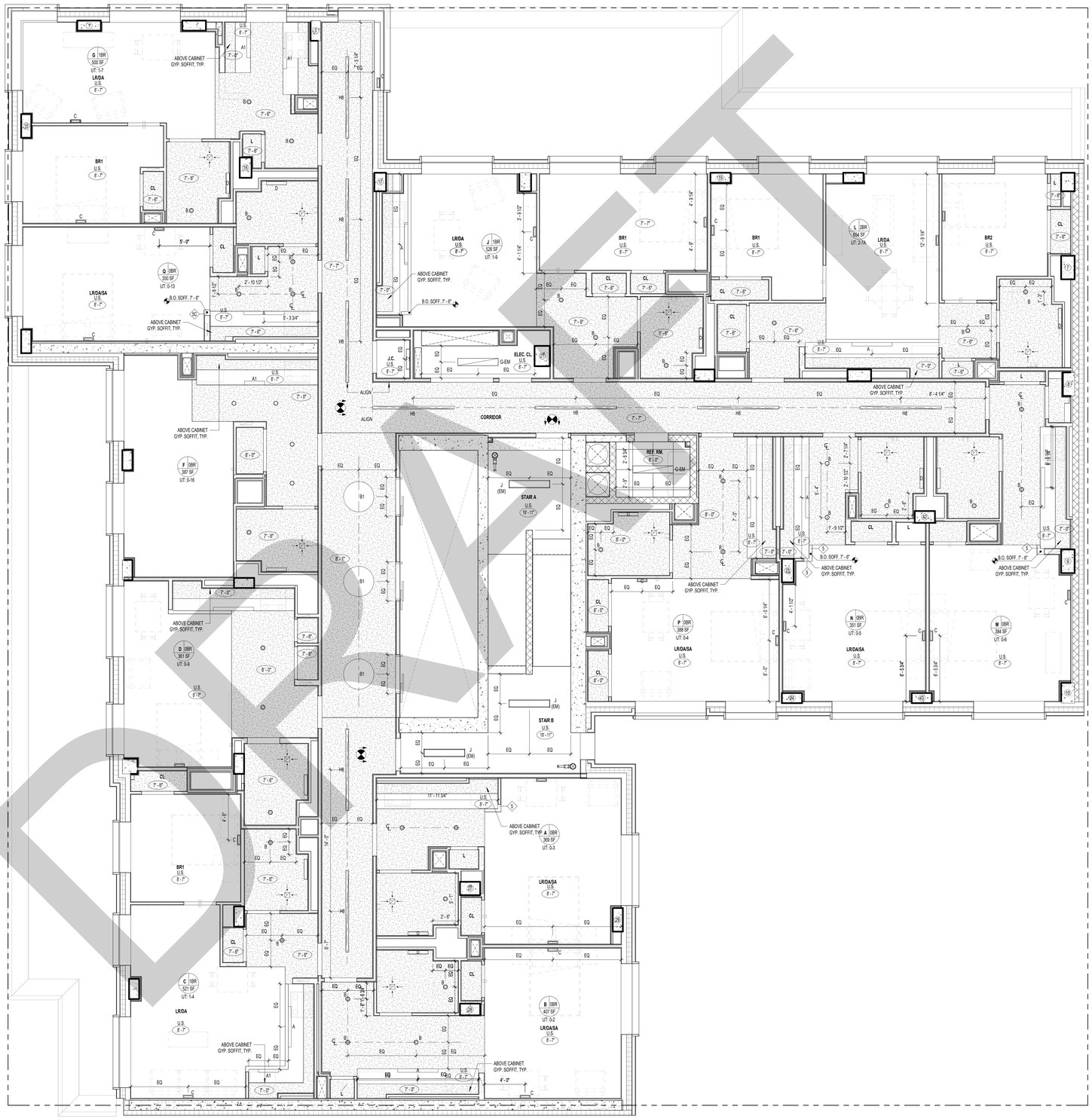
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DRAFT

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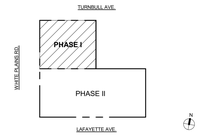
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11TH & 13TH FLOOR RCP

DOB SEAL:

SEAL & SIGNATURE:

REGISTERED ARCHITECT CHRISTOPHER JAMES MAGNUSSON 028302 STATE OF NEW YORK

PROJECT No:	24008
DRAWING BY:	Author
CHK BY:	LC
DWG No:	A-126.00
SCALE: As indicated	85 OF 183

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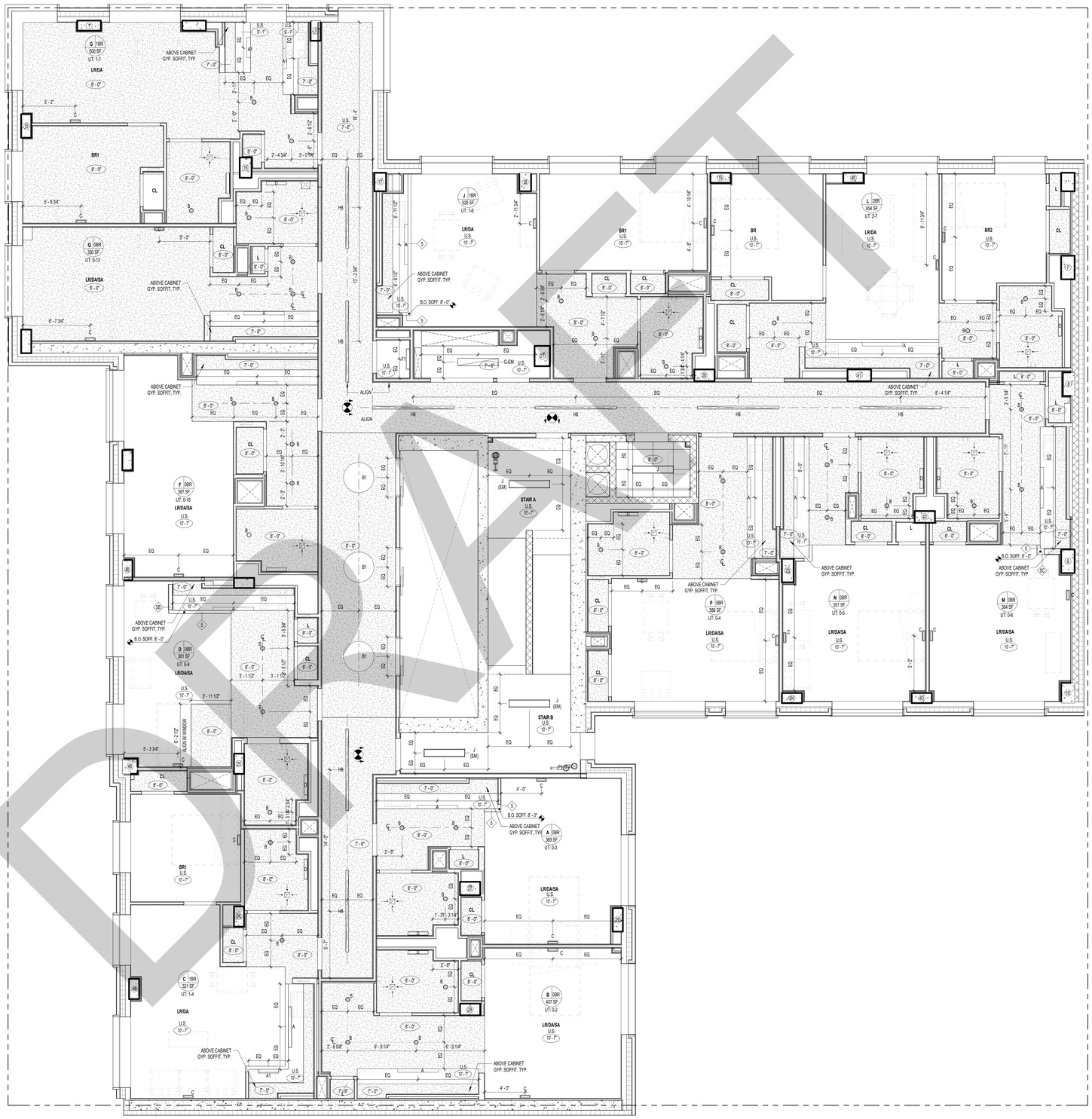
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1 14TH FLOOR RCP
1/4" = 1'-0"

DRAFT

Supportive Housing - Phase I

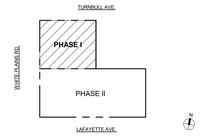
1920 Turnbull Avenue, Bronx, NY 10473

Owner:

Gilbane
STRADA
STRADA VENTURES LLC
CUCS

BLOCK: #3672 LOT: #40

NYC DOB #: # X01265022-I1



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14TH FLOOR RCP

DOB SEAL:

SEAL & SIGNATURE:

REGISTERED ARCHITECT CHRISTOPHER JAMES 038302 STATE OF NEW YORK

PROJECT No:	24008
DRAWING BY:	Author
CHK BY:	LC
DWG No:	A-128.00
SCALE: As indicated	85 OF 183

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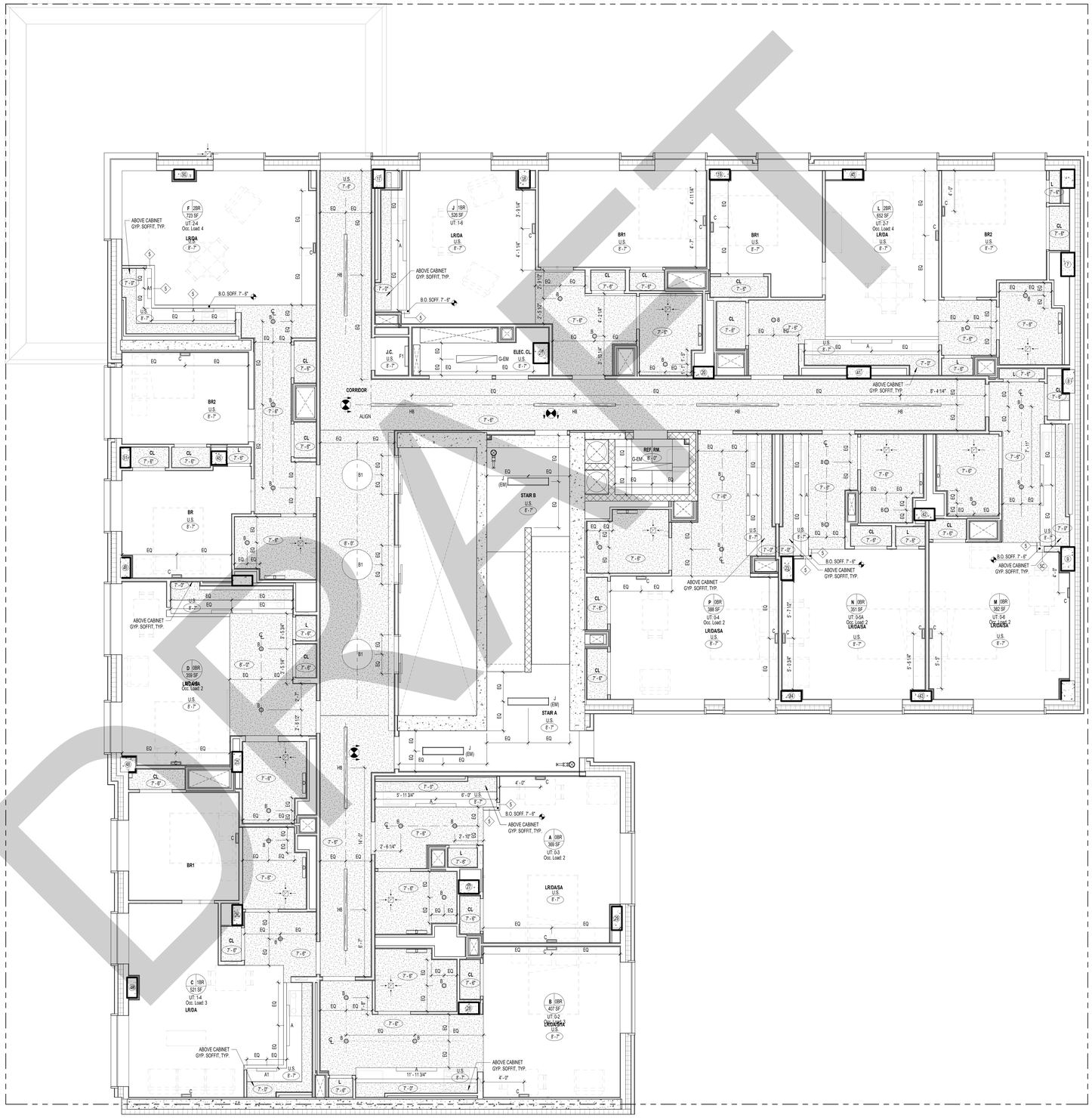
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DRAFT

Supportive Housing - Phase I

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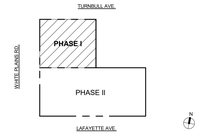
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CUCS

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NYC DOB #: # X01265022-I1



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15TH FLOOR RCP

DOB SEAL:

SEAL & SIGNATURE:

REGISTERED ARCHITECT CHRISTOPHER JONES 038305 STATE OF NEW YORK

PROJECT No:	24008
DRAWING BY:	Author
CHK BY:	LC
DWG No:	A-129.00
SCALE:	As indicated
	86 OF 183

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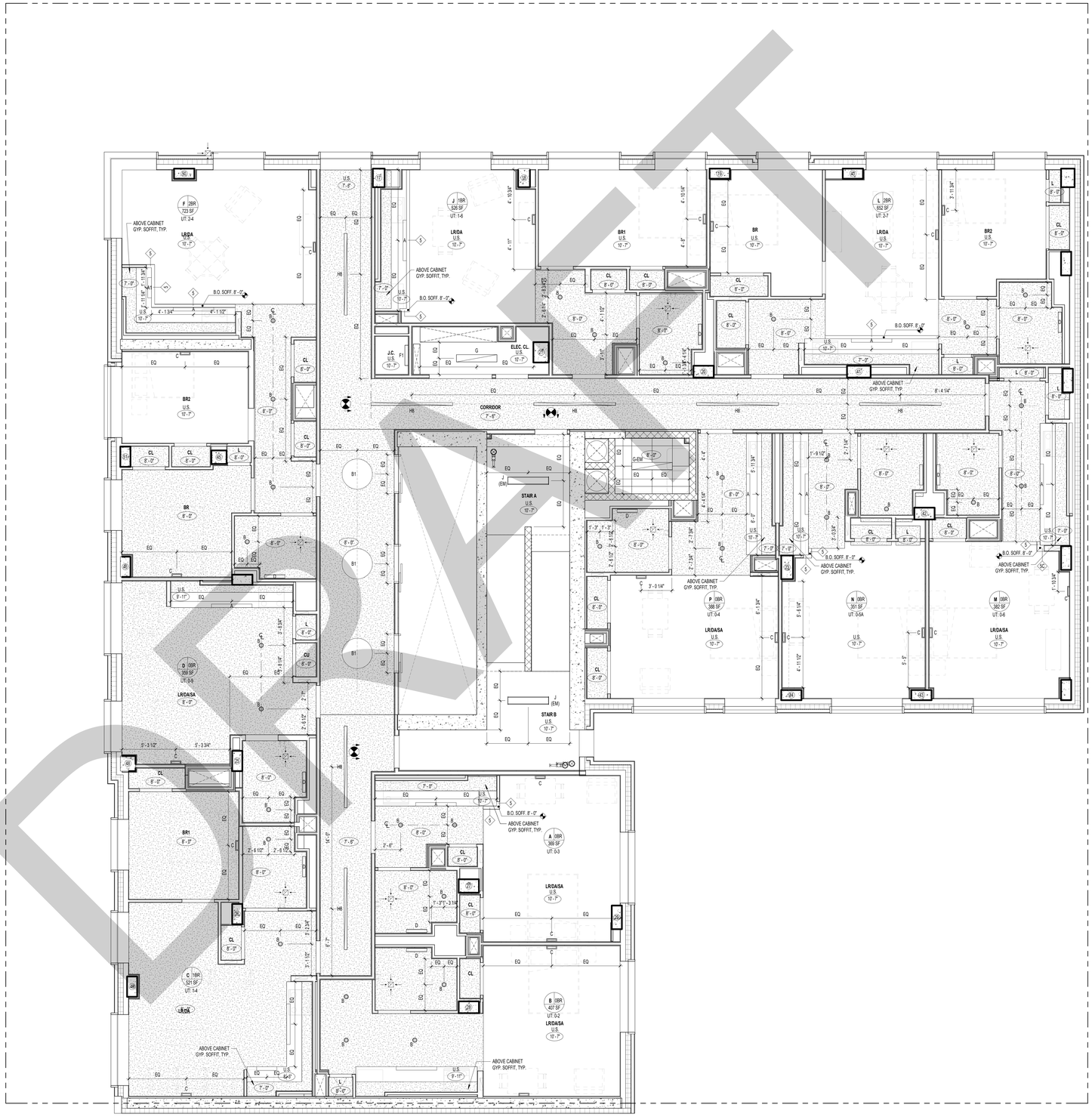
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DRAFT

Supportive Housing - Phase I

1920 Turnbull Avenue, Bronx, NY 10473

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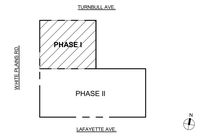
Gilbane

STRADA
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CUCS

BLOCK: #3672 LOT: #40

NYC DOB # : # X01265022-I1



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16TH FLOOR RCP

DOB SEAL:

SEAL & SIGNATURE:

REGISTERED ARCHITECT CHRISTOPHER JAMES MAGNUSSON 038302 STATE OF NEW YORK

PROJECT No:	24008
DRAWING BY:	Author
CHK BY:	LC
DWG No:	A-130.00
SCALE: As indicated	86 OF 183

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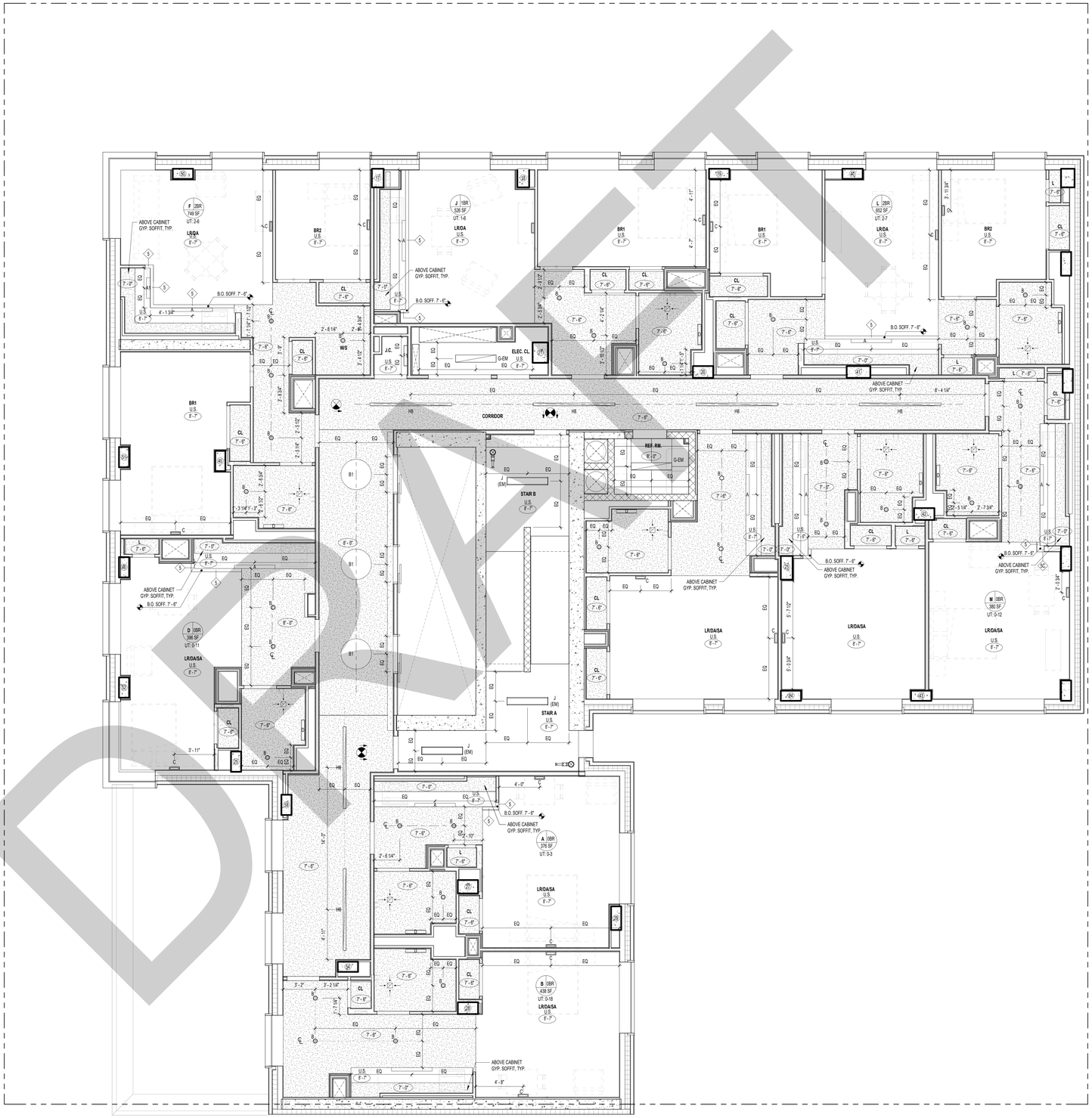
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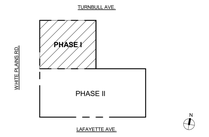
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SEAL & SIGNATURE:

REGISTERED ARCHITECT CHRISTOPHER JAMES MAGNUSSON 038302 STATE OF NEW YORK

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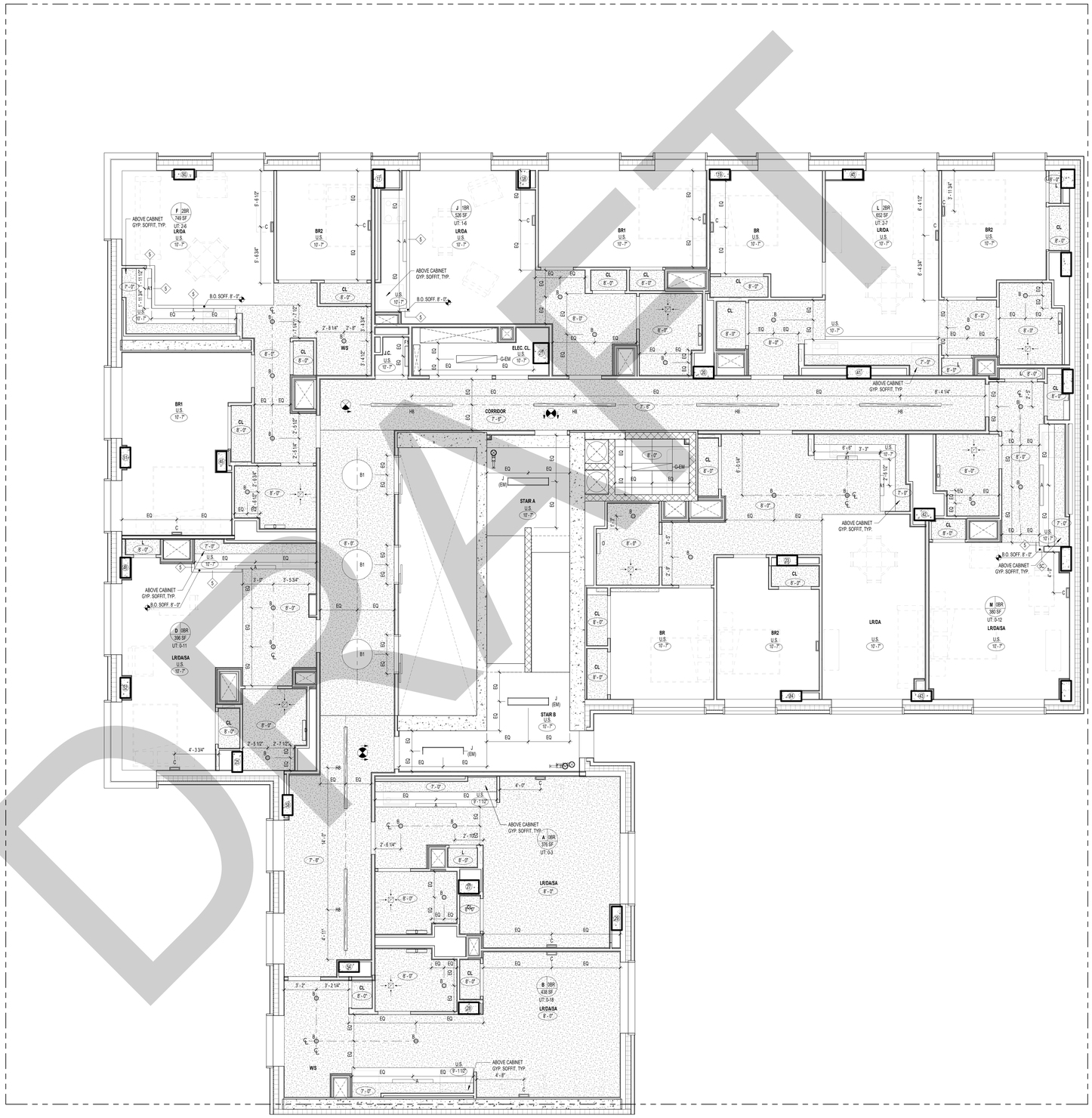
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1 18TH FLOOR RCP
1/4" = 1'-0"

DRAFT

Supportive Housing - Phase I

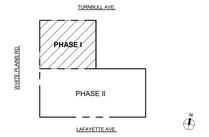
1920 Turnbull Avenue, Bronx, NY 10473

Owner:

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STRADA
STRADA VENTURES LLC
CUCS

BLOCK: #3672 LOT: #40

NYC DOB #: # X01265022-I1



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18TH FLOOR RCP

DOB SEAL:

SEAL & SIGNATURE:

REGISTERED ARCHITECT CHRISTOPHER JONES 038309 STATE OF NEW YORK

PROJECT No:	24008
DRAWING BY:	Author
CHK BY:	LC
DWG No:	A-132.00
SCALE: As indicated	87 OF 183

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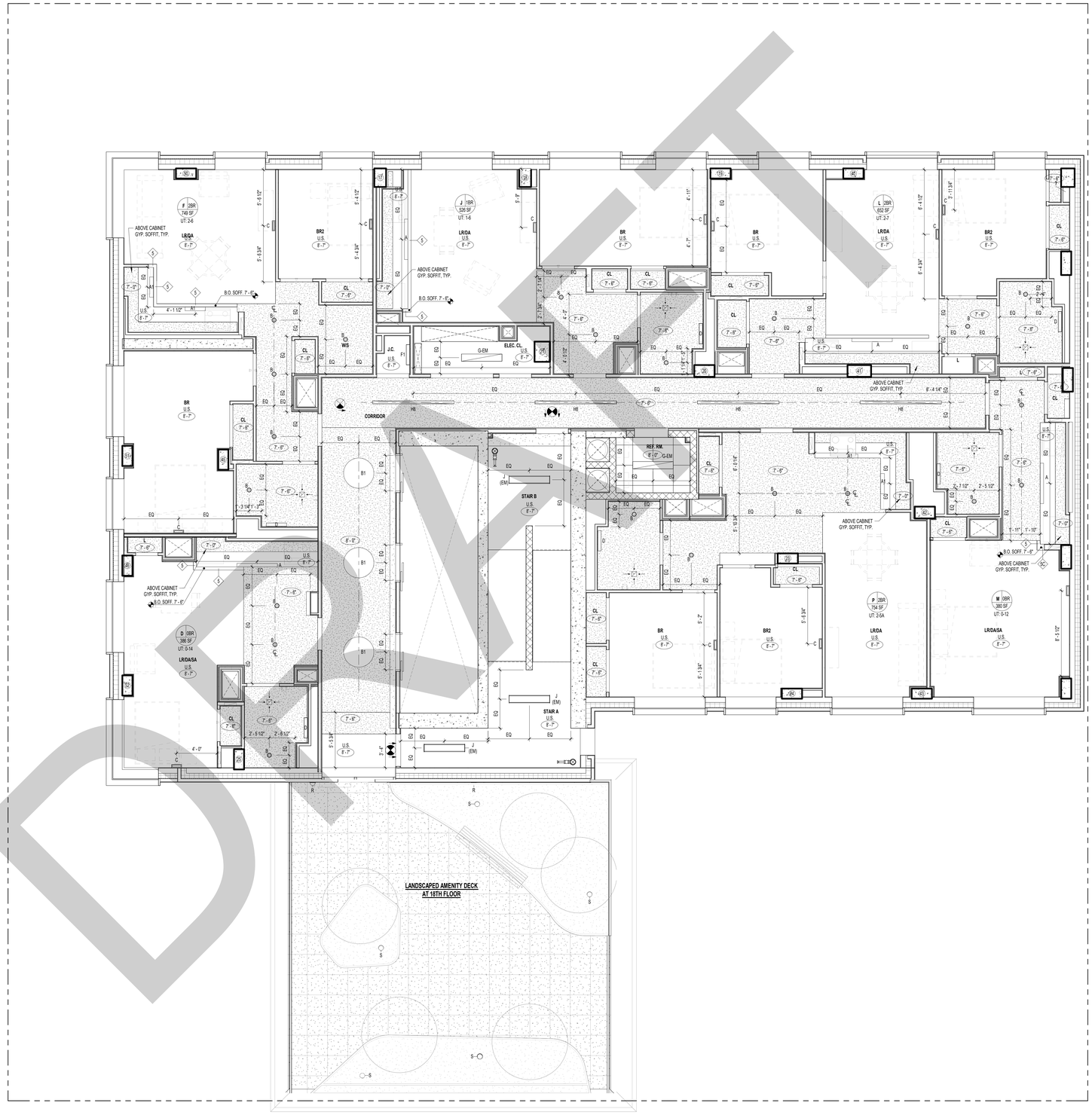
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DRAFT

Supportive Housing - Phase I

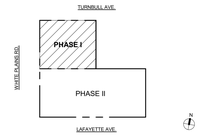
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Owner:

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BLOCK: #3672 LOT: #40

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19TH-21ST FLOOR RCP

DOB SEAL:

SEAL & SIGNATURE:

REGISTERED ARCHITECT CHRISTOPHER KOBER STATE OF NEW YORK 028307

PROJECT No:	24008
DRAWING BY:	Author
CHK BY:	LC
DWG No:	A-133.00
SCALE:	As indicated

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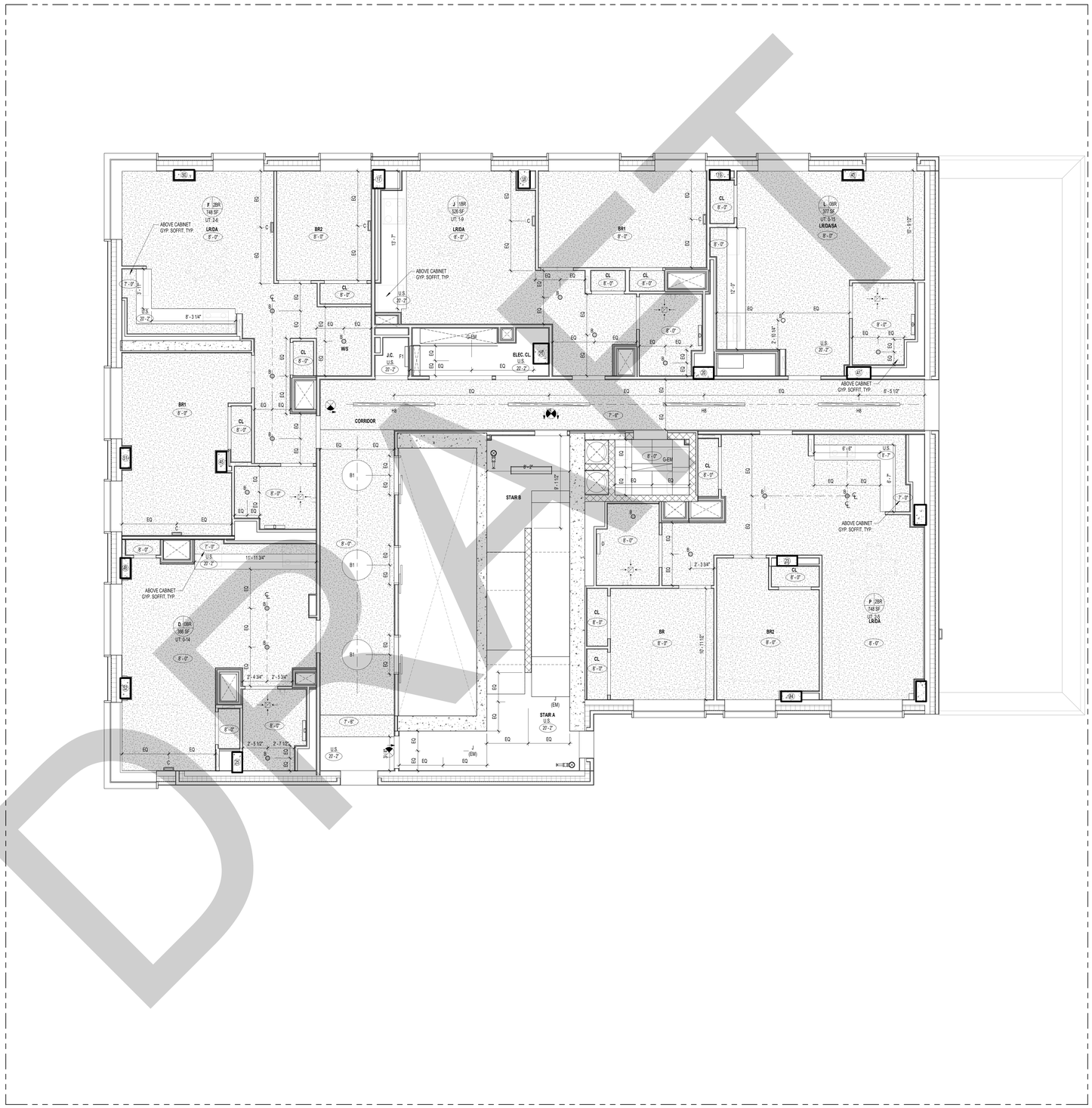
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Supportive Housing - Phase I

1920 Turnbull Avenue, Bronx, NY 10473

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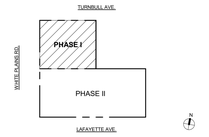
Gilbane

STRADA
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CUCS

BLOCK: #3672 LOT: #40

NYC DOB #: # X01265022-I1



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22ND FLOOR RCP

DOB SEAL:

SEAL & SIGNATURE:

REGISTERED ARCHITECT CHRISTOPHER JAMES CARSON 028309 STATE OF NEW YORK

PROJECT No:	24008
DRAWING BY:	Author
CHK BY:	LC
DWG No:	A-134.00
SCALE: As indicated	88 OF 183

DRAFT

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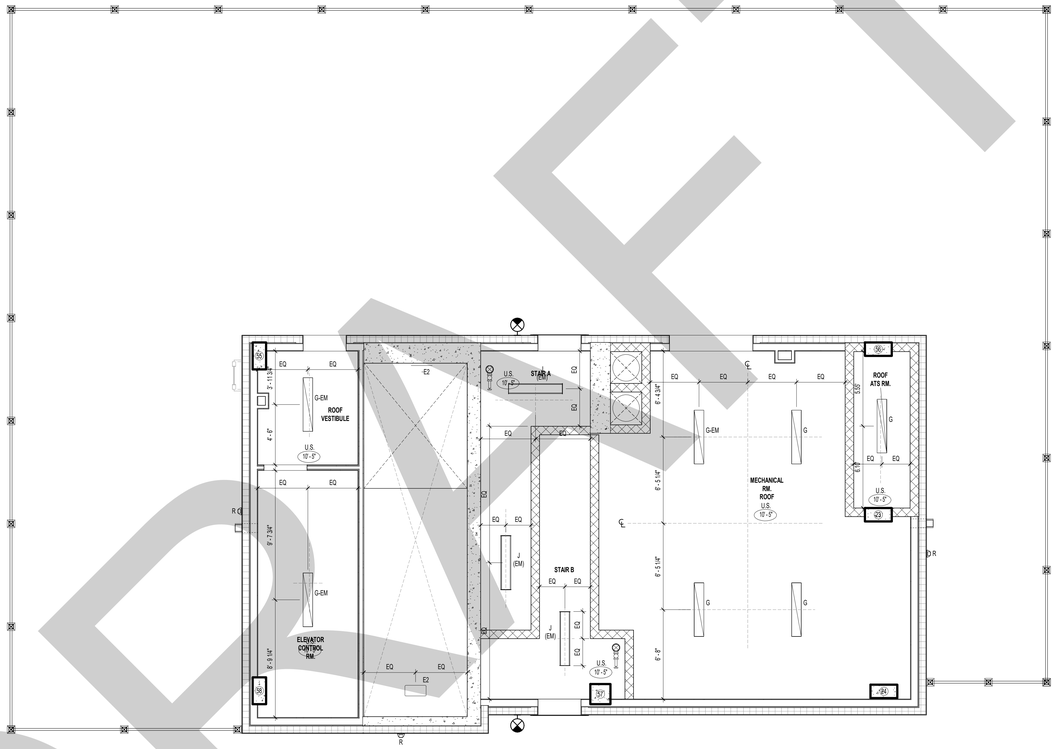
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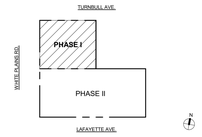
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Tel (212) 545 7878

MEP Engineer:
Ventrop Engineering Consulting Group
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Civil Engineer SWPPP:
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Hoboken, NJ 07030
Tel (347) 899 4709

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New York NY 10016
Tel (212) 696 0670

Filing Representative:
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498 7th Avenue, 17th Floor
New York NY 10018
Tel (212) 964 4464 Fax (775) 628 3726

Do Not Scale Plans
Contractor to promptly notify Architect of any material variations between field conditions and existing conditions as indicated in Contract documents

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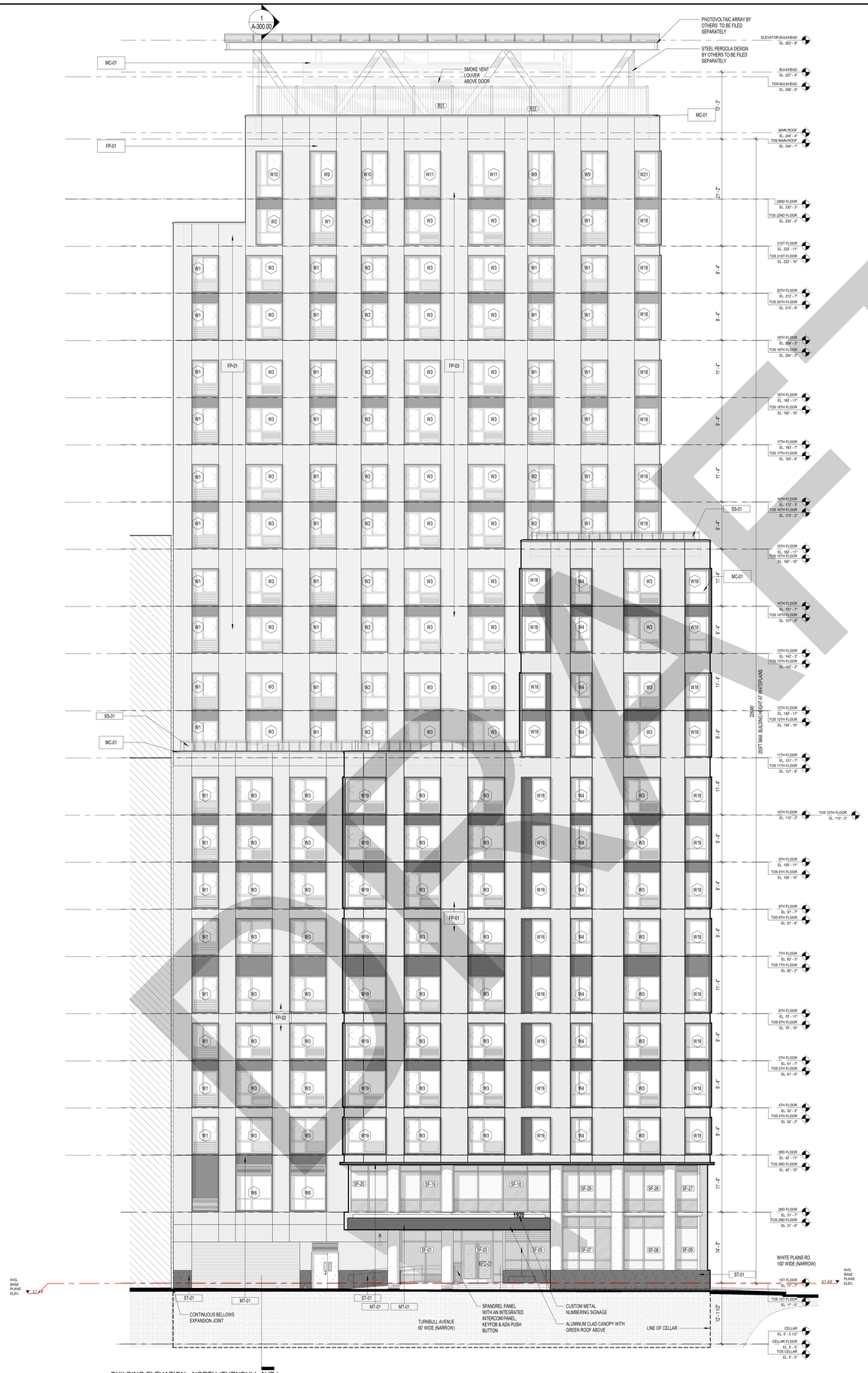
DOB SEAL:

MAIN ROOF RCP

SEAL & SIGNATURE:

REGISTERED ARCHITECT CHRISTOPHER JONES 038307 STATE OF NEW YORK

PROJECT No:	24008
DRAWING BY:	Author
CHK BY:	LC
DWG No:	A-135.00
SCALE: As indicated	89 OF 183



1 BUILDING ELEVATION - NORTH (TURNBULL AVE.)
1/8" = 1'-0"

NOTES

1. REFER TO "EN" DRAWINGS, WALL SECTIONS AND WALL SECTION DETAILS FOR AIR BARRIER, WATERPROOFING, INSULATION, AND COMPLETE EXTERIOR WALL ASSEMBLIES.
2. REFER TO MEP/FP DRAWINGS FOR ALL EXTERIOR WALL FIXTURE LOCATIONS; GC TO COORDINATE PENETRATIONS.
3. PROVIDE SAFETY GLAZING AT ALL LOCATIONS REQUIRED BY NYC BC SECTION 2406 WHETHER OR NOT INDICATED ON THE DRAWINGS.
4. ALL EXTERIOR LIGHTING TO BE UL LISTED FOR WET LOCATIONS, TYP.
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6. PROVIDE ANTI-GRAFFITI COATING AT AREAS OF THE EXTERIOR FACADE BELOW 10FT FROM STREET LEVEL, TYP

EXTERIAL MATERIAL LEGEND

- GRANITE STONE BASE
- METAL PANEL
- SPANDREL PANEL
- PRIVACY CERAMIC FRIT GLASS
- FIBER CEMENT RAINSCREEN (REFER TO MATERIAL LEGEND BELOW FOR TEXTURES AND FINISHES)

MATERIAL LEGEND	
MARK	DESCRIPTION
FP-01	FIBER CEMENT COLOR 01 TEXTURE 01
FP-02	FIBER CEMENT COLOR 01 TEXTURE 02
FP-03	FIBER CEMENT COLOR 02 TEXTURE 01
FP-04	FIBER CEMENT COLOR 02 TEXTURE 02
FP-05	FIBER CEMENT COLOR 03 TEXTURE 01
FP-06	FIBER CEMENT COLOR 03 TEXTURE 02
MT-01	GALVANIZED METAL
ST-01	GRANITE STONE BASE
SS-01	STAINLESS STEEL POST RAILING & SS MESH GUARDRAILS
MC-01	METAL COPING AT FIBER CEMENT PANEL PARAPET WALLS

EXTERIOR ELEVATION KEYNOTE LEGEND	
NUMBER	DESCRIPTION

BASE PLANE CALCULATIONS

WITHIN 100' (12-10) BASE PLANE DEFINITION (a)(1)					BEYOND 100' [PER NYC BUILDING CODE SECTION 502] AVERAGE OF MEASUREMENT EVERY 10'	SUM OF PRODUCRS (12-10) BASE PLANE DEFINITION (c)
			FRONTAGE			
TURNBULL AVE	(17.12+16.61)/2	= 16.87	X 106.75	= 1800.34		
WHITE PLAINS RD	(16.55+17.42)/2	= 16.99	X 200.03	= 3397.51		9282.42/ 531.28= 17.43
LAFAYETTE AVE	(17.60+18)/2	= 18.11	X 224.50	= 4064.57		
			531.28	9282.42		

NOT FOR CONSTRUCTION

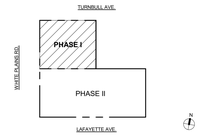
Supportive Housing - Phase I

1920 Turnbull Avenue, Bronx, NY 10473

Owner: Gilbane / STRADA / STRADA VENTURES LLC / CUCS

BLOCK: #3672 LOT: #40

NYC DOB #: # X01265022-I1



Key Plan:

NUMBER	DATE	DESCRIPTION
1	06/06/2025	PROGRESS DD SET FOR CLIENT REVIEW
2	07/15/2025	DOB SUBMISSION / DESIGN DEVELOPMENT SET
3	11/07/2025	DOB SUBMISSION
4	11/21/2025	HPD/BLDS RESPONSE

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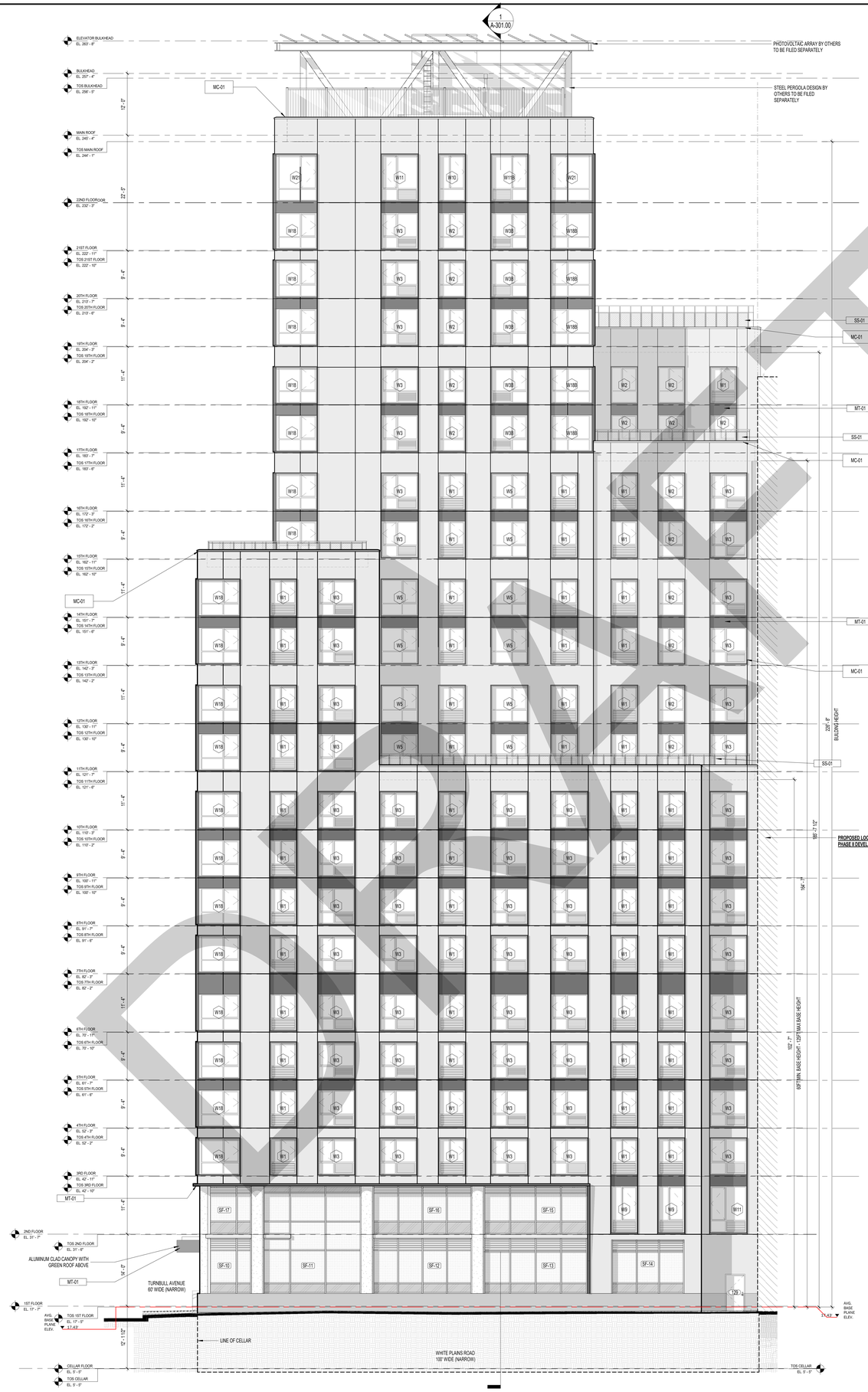
NORTH ELEVATION

DOB SEAL:

SEAL & SIGNATURE:

REGISTERED ARCHITECT CHRISTOPHER JAMES LEE 028305 STATE OF NEW YORK

PROJECT No:	24008
DRAWING BY:	Author
CHK BY:	LC
DWG No:	A-200.00
SCALE: As indicated	105 OF 183



1 BUILDING ELEVATION - WEST (WHITE PLAINS RD.)
1/8" = 1'-0"

NOTES

1. REFER TO "EN" DRAWINGS, WALL SECTIONS AND WALL SECTION DETAILS FOR AIR BARRIER, WATERPROOFING, INSULATION, AND COMPLETE EXTERIOR WALL ASSEMBLIES.
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- METAL PANEL
- SPANDREL PANEL
- PRIVACY CERAMIC FRIT GLASS
- FIBER CEMENT RAINSCREEN (REFER TO MATERIAL LEGEND BELOW FOR TEXTURES AND FINISHES)

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EXTERIOR ELEVATION KEYNOTE LEGEND	
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			531.28 9262.42		

Supportive Housing - Phase I

1920 Turnbull Avenue, Bronx, NY 10473

Owner:

Gilbane

STRADA

STRADA VENTURES LLC

CUCS

BLOCK: #3672 LOT: #40

NYC DOB #: # X01265022-I1

TURNBULL AVE.

PHASE I

WHITE PLAINS RD.

PHASE II

LAFAYETTE AVE.

Key Plan:

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2	07/15/2025	DOB SUBMISSION / DESIGN DEVELOPMENT SET
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5	11/21/2025	HPD/BLDS RESPONSE

NOT FOR CONSTRUCTION

Revisions:

Architect:

MAP

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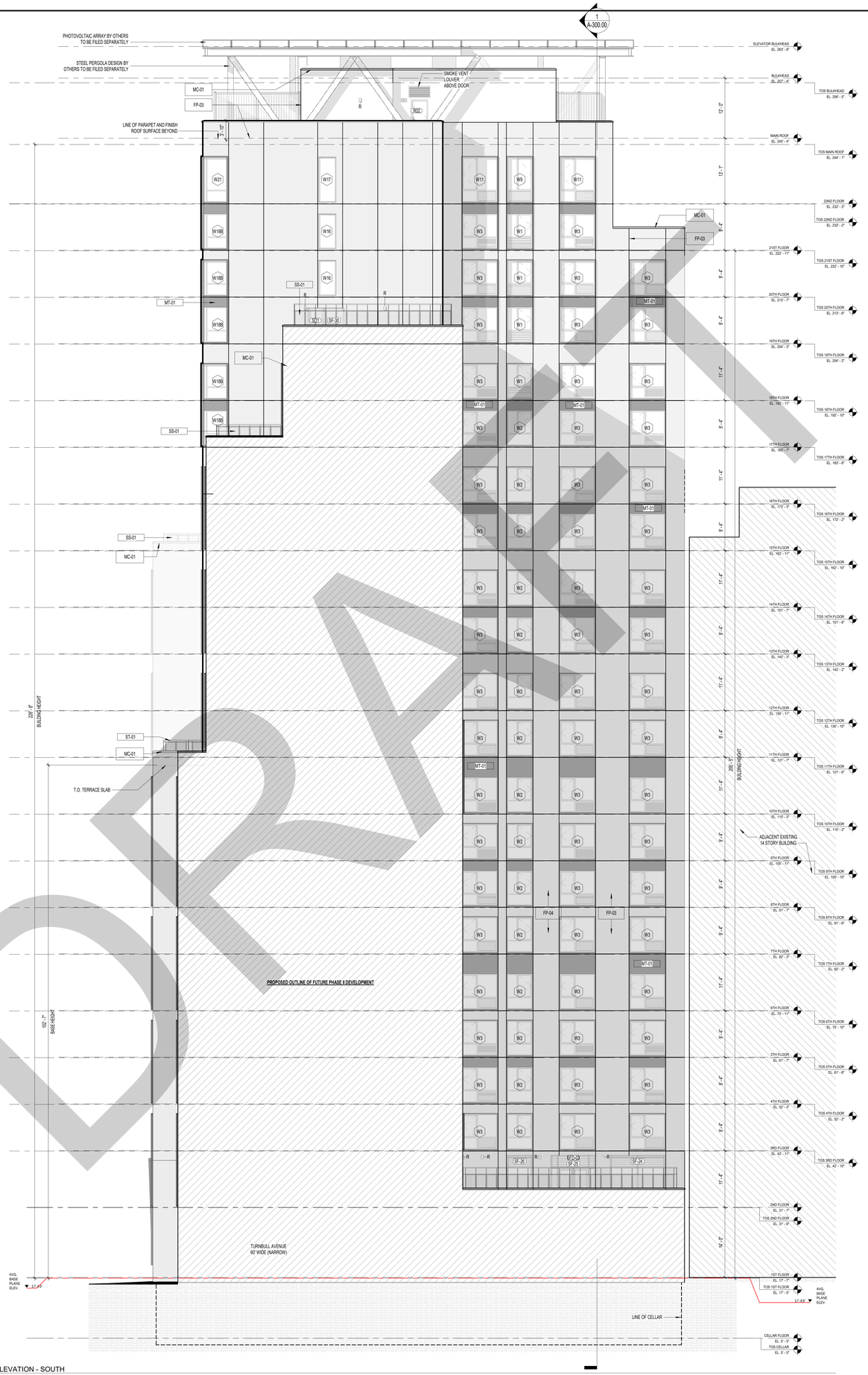
DOB SEAL:

WEST ELEVATION

SEAL & SIGNATURE:

REGISTERED ARCHITECT CHRISTOPHER JONES 038305 STATE OF NEW YORK

PROJECT No:	24008
DRAWING BY:	Author
CHK BY:	LC
DWG No:	A-201.00
SCALE: As indicated	108 OF 183



1 BUILDING ELEVATION - SOUTH
1/8" = 1'-0"

NOTES

1. REFER TO "EN" DRAWINGS, WALL SECTIONS AND WALL SECTION DETAILS FOR AIR BARRIER, WATERPROOFING, INSULATION, AND COMPLETE EXTERIOR WALL ASSEMBLIES.
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EXTERIOR ELEVATION KEYNOTE LEGEND	
NUMBER	DESCRIPTION

Supportive Housing - Phase I

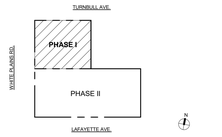
1920 Turnbull Avenue, Bronx, NY 10473

Owner:

Gilbane
STRADA
STRADA VENTURES LLC
CUCS

BLOCK: #3672 LOT: #40

NYC DOB #: # X01265022-I1



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NOT FOR CONSTRUCTION

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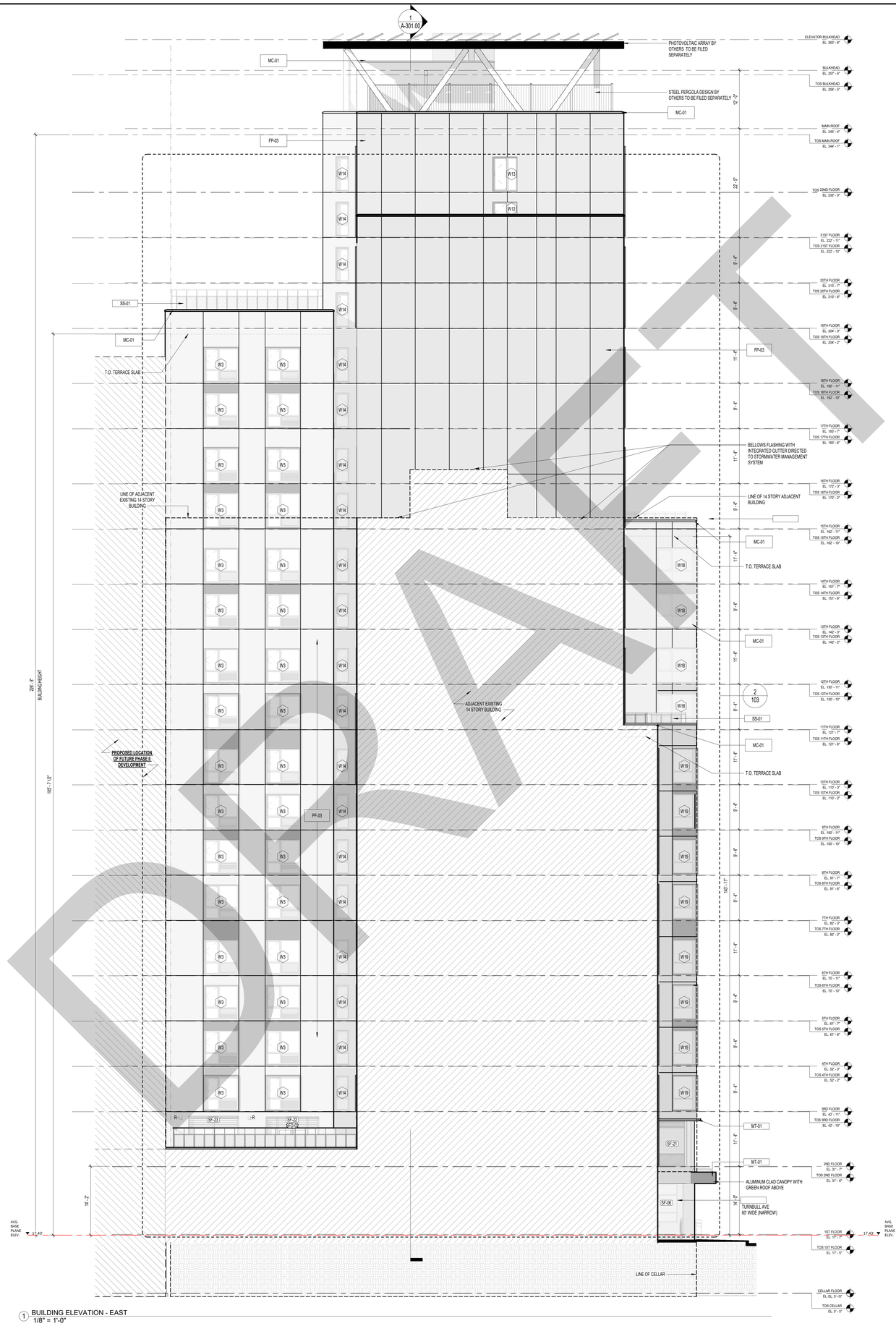
DOB SEAL:

SOUTH ELEVATION

SEAL & SIGNATURE:

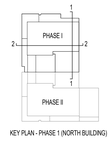
REGISTERED ARCHITECT CHRISTOPHER JONES STATE OF NEW YORK 028307

PROJECT No:	24008
DRAWING BY:	Author
CHK BY:	LC
DWG No:	A-202.00
SCALE: As indicated	106 OF 183


A-301.00
MC-01
PHOTOVOLTAIC ARRAY BY OTHERS TO BE FILED SEPARATELY
STEEL PERGOLA DESIGN BY OTHERS TO BE FILED SEPARATELY
MC-01
FP-03
SS-01
MC-01
T.O. TERRACE SLAB
LINE OF ADJACENT EXISTING 14 STORY BUILDING
PROPOSED LOCATION OF FUTURE PHASE II DEVELOPMENT
PF-03
SF-23
SF-22
SF-21
SF-06
BELLOWS FLASHING WITH INTEGRATED GUTTER DIRECTED TO STORMWATER MANAGEMENT SYSTEM
LINE OF 14 STORY ADJACENT BUILDING
MC-01
T.O. TERRACE SLAB
MC-01
MC-01
T.O. TERRACE SLAB
MT-01
MT-01
ALUMINUM CLAD CANOPY WITH GREEN ROOF ABOVE
TURNBULL AVE 60' WIDE (NARROW)
ADJACENT EXISTING 14 STORY BUILDING
LINE OF CELLAR
ELEVATOR BULKHEAD EL. 263' - 8"
BULKHEAD EL. 257' - 4"
TOS BULKHEAD EL. 256' - 5"
MAIN ROOF EL. 245' - 4"
TOS MAIN ROOF EL. 244' - 1"
TOS 22ND FLOOR EL. 232' - 3"
21ST FLOOR EL. 222' - 11"
TOS 21ST FLOOR EL. 222' - 10"
20TH FLOOR EL. 213' - 7"
TOS 20TH FLOOR EL. 213' - 6"
19TH FLOOR EL. 204' - 3"
TOS 19TH FLOOR EL. 204' - 2"
18TH FLOOR EL. 192' - 11"
TOS 18TH FLOOR EL. 192' - 10"
17TH FLOOR EL. 183' - 7"
TOS 17TH FLOOR EL. 183' - 6"
16TH FLOOR EL. 172' - 3"
TOS 16TH FLOOR EL. 172' - 2"
15TH FLOOR EL. 162' - 11"
TOS 15TH FLOOR EL. 162' - 10"
14TH FLOOR EL. 151' - 7"
TOS 14TH FLOOR EL. 151' - 6"
13TH FLOOR EL. 142' - 2"
TOS 13TH FLOOR EL. 142' - 2"
12TH FLOOR EL. 130' - 11"
TOS 12TH FLOOR EL. 130' - 10"
2 103
SS-01
11TH FLOOR EL. 121' - 7"
TOS 11TH FLOOR EL. 121' - 6"
10TH FLOOR EL. 110' - 2"
TOS 10TH FLOOR EL. 110' - 2"
9TH FLOOR EL. 100' - 11"
TOS 9TH FLOOR EL. 100' - 10"
8TH FLOOR EL. 91' - 7"
TOS 8TH FLOOR EL. 91' - 6"
7TH FLOOR EL. 82' - 3"
TOS 7TH FLOOR EL. 82' - 2"
6TH FLOOR EL. 73' - 11"
TOS 6TH FLOOR EL. 73' - 10"
5TH FLOOR EL. 65' - 7"
TOS 5TH FLOOR EL. 65' - 6"
4TH FLOOR EL. 52' - 3"
TOS 4TH FLOOR EL. 52' - 2"
3RD FLOOR EL. 42' - 11"
TOS 3RD FLOOR EL. 42' - 10"
2ND FLOOR EL. 31' - 7"
TOS 2ND FLOOR EL. 31' - 6"
1ST FLOOR EL. 17' - 7"
TOS 1ST FLOOR EL. 17' - 6"
CELLAR FLOOR EL EL. 5' - 0"
TOS CELLAR EL. 5' - 5"
228' - 8" BUILDING HEIGHT
168' - 7 1/2"
14' - 2"
AVG. BASE PLANE ELEV. 17.43'
AVG. BASE PLANE ELEV. 17.43'
12' - 3"
9' - 4"
9' - 4"
9' - 4"
11' - 4"
9' - 4"
11' - 4"
9' - 4"
11



1 SOUTH-NORTH THROUGH PARKING RAMP
1/8" = 1'-0"



KEY PLAN - PHASE I (NORTH BUILDING)

DRAFT

Supportive Housing - Phase I

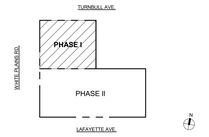
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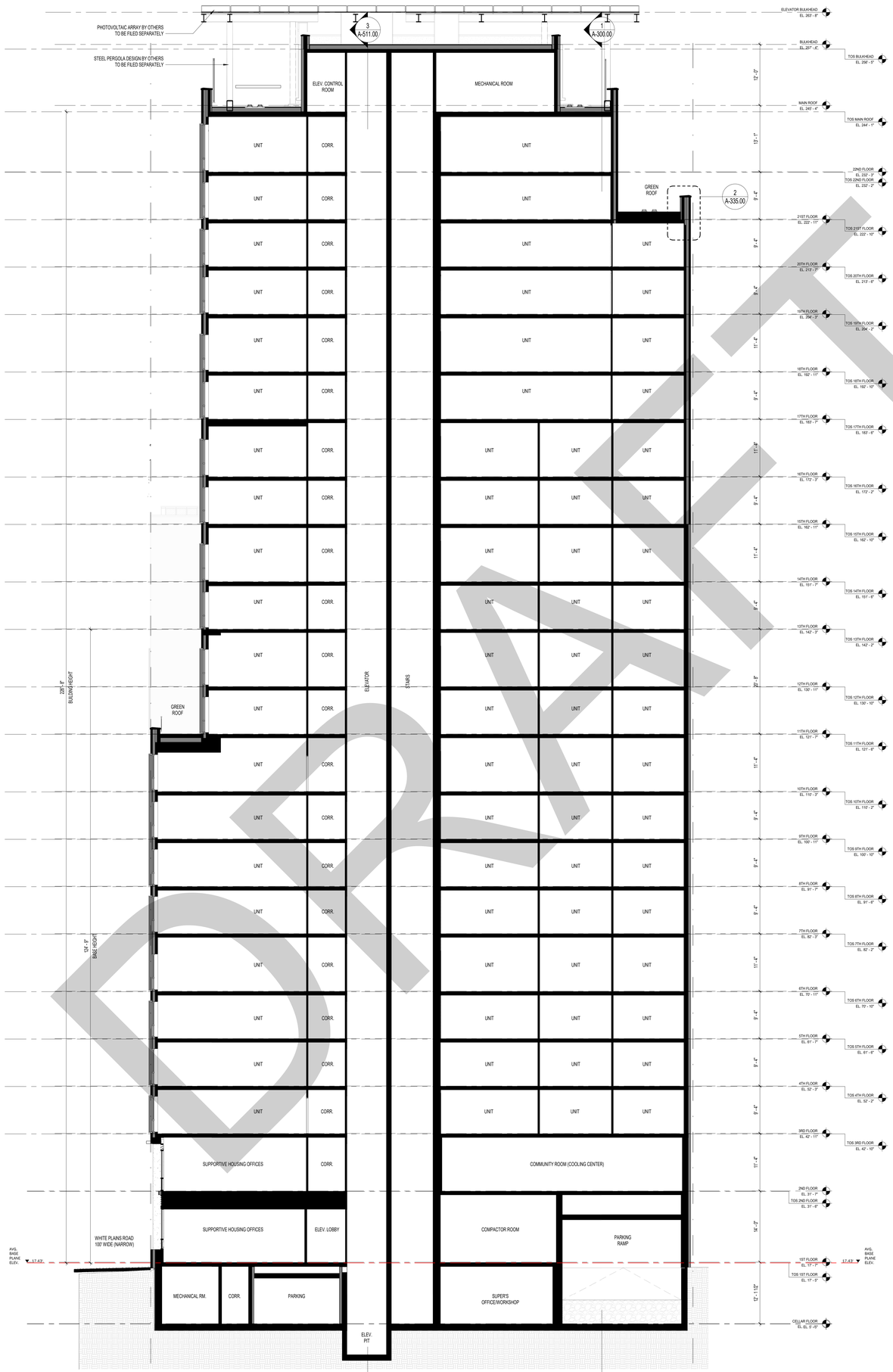
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BUILDING SECTION

DOB SEAL:

SEAL & SIGNATURE:
REGISTERED ARCHITECT CHRISTOPHER J. JONES 026302 STATE OF NEW YORK

PROJECT No:	24008
DRAWING BY:	Author
CHK BY:	LC
DWG No:	A-300.00
SCALE: As indicated	109 OF 183



1 WEST-EAST THROUGH CORE
1/8" = 1'-0"

DRAFT

Supportive Housing - Phase I

1920 Turnbull Avenue, Bronx, NY 10473

Owner:

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STRADA

STRADA VENTURES LLC

CUCS

BLOCK: #3672 LOT: #40

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TURNBULL AVE.

PHASE I

WHITE PLAINS RD.

PHASE II

LAFAYETTE AVE.

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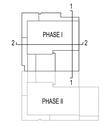
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BUILDING SECTION



KEY PLAN - PHASE 1 (NORTH BUILDING)

DOB SEAL:

SEAL & SIGNATURE:

REGISTERED ARCHITECT CHRISTOPHER JAMES MAGNUSSON 028302 STATE OF NEW YORK

PROJECT No:	24008
DRAWING BY:	Author
CHK BY:	LC
DWG No:	A-301.00
SCALE: As indicated	110 OF 183

APPENDIX B

Previous Environmental Investigation Reports

DRAFT

APPENDIX C

2024 Supplemental Investigation Documents

DRAFT

SB-1 / TW-1

Client:	Site:	Project Number:
Gilbane Development Co.	1931 Lafayette Ave	3868.0004Y000
Address:	**City/State:**	**Logged By:**
1931 Lafayette Ave	Bronx, NY	CM

Start to Finish Date:	Contractor:	Drill Type:	Sampler Type/Method:
10/2/2023 - 10/4/2023	PG Environmental Services	Geoprobe	2" Macro-Core
Borehole Depth:	**Backfill:**	**Borehole Diameter:**	**DTW:**
20 feet	Soil Cuttings	2-inches	11 feet
Area:	**Elevation:**	**Latitude:**	**Longitude:**
NM	NM	NM	NM

Well Depth:	Well Dia./Materials:	Screen Interval:	Screen Slot Size:	Sand/Filter Pack Size:	Annular Seal:
20 feet	1-inch PVC	10-20 feet	20-Slot	Morie #2	

Depth (ft)	Well Diagram	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
		ASPH		ASPHALT.				
		MIXD		Brown, fine to coarse SAND and fine to coarse GRAVEL, some Brick, Concrete, and Asphalt, little Organics (FILL); moist.	G	5	0.7 0.6 0.4	Collected sample SB-1-(0-2) for Part 375 VOCs, SVOCs, Metals, Pesticides, and PCBs. Handcleared to 5 ft bls.
		MIXD		Brown, fine to coarse SAND, some fine to coarse Gravel, little Brick, Concrete, and Asphalt (FILL); moist.			0.6	
5	Schedule 40, PVC Riser	MIXD		Brown, fine to coarse SAND and fine to coarse GRAVEL, some Brick, Concrete, and Asphalt (FILL); moist.			0.2	
		MIXD		Dark Grey, fine to coarse SAND and fine to coarse GRAVEL, some Asphalt and Concrete, trace brick (FILL); moist.		2.5	0.2 0.2 0.2	
10		MIXD		Dark Grey, fine to coarse SAND and fine to coarse GRAVEL, trace concrete (FILL); moist.			0.2 0.2	Collected sample SB-1-(10-12) for Part 375 VOCs, SVOCs, Metals, Pesticides, and PCBs. Groundwater encountered at 11 ft bls.
		MIXD		Dark Grey, fine to coarse SAND, some Asphalt, trace glass (FILL); wet.		2.5	0.2 0.2 0.2	
15	Sand Morrie #2 Schedule 40, 10-slot PVC	PT		Dark Grey, MEADOW MAT, little Clay and Organics; wet.		5		

Bottom of borehole at 20 feet

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ROUX STANDARD LOG - 6/25/25 12:54 - S:\GINT\PROJECTS\3868.0004Y000 PHASE II.GPJ

SB-2 / SV-1

Client: Gilbane Development Co.	Site: 1931 Lafayette Ave	Project Number: 3868.0004Y000
Address: 1931 Lafayette Ave	City/State: Bronx, NY	Logged By: CM

Start to Finish Date: 10/3/2023 - 10/3/2023	Contractor: PG Environmental Services	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 15 feet	Backfill: Soil Cuttings	Borehole Diameter: 2-inches	DTW: 10 feet
Area: NM	Elevation: NM	Latitude: NM	Longitude: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				
	MIXD		Brown, fine to coarse SAND and fine to coarse GRAVEL, little Asphalt, Brick, and Cobble (FILL); moist.			0.2	Collected sample SB-2-(0-2) for Part 375 VOCs, SVOCs, Metals, Pesticides, and PCBs.
	MIXD		Brown, fine to coarse SAND and fine to coarse GRAVEL, some Concrete, Asphalt, Brick, and Cobble (FILL); moist.	G	5	0.2	Handcleared to 5 ft bls.
5	MIXD		Dark Brown, fine to coarse SAND, some Gravel, Asphalt, little Cobble, Concrete, and Brick (FILL); moist.			0.0	Collected sample SB-2-(6-8) for Part 375 VOCs, SVOCs, Metals, Pesticides, and PCBs.
	MIXD		Dark Brown, fine to coarse SAND and fine to coarse GRAVEL, little Asphalt, Cobble, Concrete, and Brick (FILL); moist.			0.0	Soil vapor point SV-1 installed at 7 ft bls.
	MIXD		Brown, fine to coarse SAND and fine to coarse GRAVEL, some Concrete, Asphalt, Brick, and Cobble, trace glass (FILL); moist.		5	0.0	
	MIXD		Grey, fine to coarse GRAVEL, some Asphalt, Cobble, and Glass, trace brick (FILL); moist.			0.0	
10	MIXD		Brown, fine to coarse SAND, some fine to coarse Gravel, little Cobble (FILL); wet.			0.0	Groundwater encountered at 10 ft bls.
	MIXD		Dark Brown, fine to coarse GRAVEL, some coarse Sand, little Cobble and Asphalt (FILL); wet.		1	0.0	
	MIXD					0.0	
			Bottom of borehole at 15 feet				

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ROUX STANDARD LOG - 6/25/25 12:54 - S:\GINT\PROJECTS\3868.0004Y000 PHASE II.GPJ

SB-3 / SV-2

Client:	Site:	Project Number:
Gilbane Development Co.	1931 Lafayette Ave	3868.0004Y000
Address:	**City/State:**	**Logged By:**
1931 Lafayette Ave	Bronx, NY	CM

Start to Finish Date:	Contractor:	Drill Type:	Sampler Type/Method:
10/3/2023 - 10/3/2023	PG Environmental Services	Geoprobe	2" Macro-Core
Borehole Depth:	**Backfill:**	**Borehole Diameter:**	**DTW:**
15 feet	Soil Cuttings	2-inches	12 feet
Area:	**Elevation:**	**Latitude:**	**Longitude:**
NM	NM	NM	NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				
	MIXD		Dark Brown, fine to coarse SAND, some Asphalt and Cobble (FILL); moist.			3.3	Collected sample SB-3-(0-2) for Part 375 VOCs, SVOCs, Metals, Pesticides, and PCBs.
	MIXD		Brown, fine to coarse SAND, some Cobble and Brick (FILL); moist.			2.3	
	MIXD		Brown, coarse SAND and COBBLE, some Brick and Concrete (FILL); moist.	G	5	2	Handcleared to 5 ft bls.
	MIXD		Brown, fine to coarse SAND, little fine to coarse Gravel, Concrete, and Brick (FILL); moist.			2	
5	MIXD		Brown, fine to coarse SAND and fine to coarse GRAVEL, some Concrete, Brick, and Glass (FILL); moist.			0.1	
	MIXD		Brown, fine to coarse SAND, little fine to coarse Gravel, Concrete, and Asphalt (FILL); moist.		2.5	0.1	Soil vapor point SV-2 installed at 7 ft bls.
	MIXD		Dark Grey, fine to coarse SAND, little fine to coarse Gravel, Asphalt, Glass, and Concrete (FILL); moist.			0.1	Collected sample SB-3-(8-10) for Part 375 VOCs, SVOCs, Metals, Pesticides, and PCBs.
10	MIXD		Brown, fine to coarse SAND, little fine to coarse Gravel, Brick, Concrete, and Asphalt (FILL); wet.			0.1	Groundwater encountered at 12 ft bls.
	MIXD				1	0.1	
						0.1	
						0.1	

Bottom of borehole at 15 feet

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ROUX STANDARD LOG - 6/25/25 12:54 - S:\GINT\PROJECTS\3868.0004Y000 PHASE II.GPJ

SB-4 / TW-2

Client:	Site:	Project Number:
Gilbane Development Co.	1931 Lafayette Ave	3868.0004Y000
Address:	**City/State:**	**Logged By:**
1931 Lafayette Ave	Bronx, NY	CM

Start to Finish Date:	Contractor:	Drill Type:	Sampler Type/Method:
10/2/2023 - 10/3/2023	PG Environmental Services	Geoprobe	2" Macro-Core
Borehole Depth:	**Backfill:**	**Borehole Diameter:**	**DTW:**
20 feet	Soil Cuttings	2-inches	12 feet
Area:	**Elevation:**	**Latitude:**	**Longitude:**
NM	NM	NM	NM

Well Depth:	Well Dia./Materials:	Screen Interval:	Screen Slot Size:	Sand/Filter Pack Size:	Annular Seal:
20 feet	1-inch PVC	10-20 feet	20-Slot	Morie #2	

Depth (ft)	Well Diagram	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
		ASPH		ASPHALT.				
		MIXD		Greyish Brown, fine to coarse SAND, some fine to coarse Gravel, little Cobble, trace brick and asphalt (FILL); moist.			21.9	Collected sample SB-4-(0-2) for Part 375 VOCs, SVOCs, Metals, Pesticides, and PCBs.
				Brown, fine to coarse SAND, some fine to coarse Gravel, little Cobble, trace brick (FILL); moist.	G	5	25.9	
		MIXD					25.4	Handcleared to 5 ft bls.
							23.3	
5	Schedule 40, PVC Riser	MIXD		Brown, fine to coarse SAND, some fine to coarse Gravel and Brick, little Asphalt (FILL); moist.			5.1	
		MIXD		Brown, fine to coarse SAND and COBBLE, trace brick (FILL); moist.		5	4.0	
		MIXD		Dark Grey, fine to coarse SAND and COBBLE, some Asphalt (FILL); moist.			0	
		MIXD		Dark Grey, fine to coarse SAND, some Cobble and Asphalt, little Brick (FILL); moist.				
10				Grey, fine to coarse SAND and COBBLE, some Brick, Asphalt and Concrete (FILL); moist.			5.2	
		MIXD					5.2	
							5.2	Groundwater encountered at 12 ft bls.
						2	6.1	Collected sample SB-4-(13-15) for Part 375 VOCs, SVOCs, Metals, Pesticides, and PCBs.
		MIXD		Dark Grey, fine to coarse SAND, some Asphalt, Glass and Brick (FILL); wet.			6.1	
15	Sand Morrie #2 Schedule 40, 10-slot PVC							

Bottom of borehole at 20 feet

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ROUX STANDARD LOG - 6/25/25 12:55 - S:\GINT\PROJECTS\3868.0004Y000 PHASE II.GPJ

SB-5 / SV-3

Client: Gilbane Development Co.	Site: 1931 Lafayette Ave	Project Number: 3868.0004Y000
Address: 1931 Lafayette Ave	City/State: Bronx, NY	Logged By: CM

Start to Finish Date: 10/2/2023 - 10/4/2023	Contractor: PG Environmental Services	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 15 feet	Backfill: Soil Cuttings	Borehole Diameter: 2-inches	DTW: 12 feet
Area: NM	Elevation: NM	Latitude: NM	Longitude: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				
	MIXD		Greyish Brown, fine to coarse SAND, some fine to coarse Gravel, little Cobble, trace silt, brick, and asphalt (FILL); moist.			3.8	Collected sample SB-5-(0-2) for Part 375 VOCs, SVOCs, Metals, Pesticides, and PCBs.
			Brown, fine SAND, some fine to coarse Gravel, little Cobble and Brick, trace asphalt (FILL); moist.	G	5	7.1	
	MIXD					4.8	Handcleared to 5 ft bls.
						0.8	
5			BRICK (FILL).			0.0	
	MIXD		Brown, fine to coarse SAND, some fine to coarse Gravel, little Brick and Asphalt (FILL); moist.			0.0	
	MIXD				2	0.0	Soil vapor point SV-2 installed at 7 ft bls.
						0.0	
	MIXD		Brown, fine to coarse SAND, some Silt and fine to coarse Gravel, little Brick, Asphalt, and Concrete (FILL); moist.			0.0	
10			Brown, fine to coarse SAND, little Cobble, Brick, Asphalt, and Concrete (FILL); moist.			0.1	
	MIXD					0.1	
	MIXD		Brown, fine to coarse SAND, little fine to coarse Gravel, trace silt and asphalt (FILL); wet.		2.5	0.1	Groundwater encountered at 12 ft bls.
	MIXD		Dark Grey, fine to coarse SAND and fine to coarse GRAVEL, some Asphalt, trace silt, glass, and wood, (FILL); wet.			7.5	Collected sample SB-5-(13-15) for Part 375 VOCs, SVOCs, Metals, Pesticides, and PCBs.
						7.5	Odor observed from 13 to 15 ft bls.
			Bottom of borehole at 15 feet				

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ROUX STANDARD LOG - 6/25/25 12:55 - S:\GINT\PROJECTS\3868.0004Y000 PHASE II.GPJ

SB-6 / TW-3

Client:	Site:	Project Number:
Gilbane Development Co.	1931 Lafayette Ave	3868.0004Y000
Address:	**City/State:**	**Logged By:**
1931 Lafayette Ave	Bronx, NY	CM

Start to Finish Date:	Contractor:	Drill Type:	Sampler Type/Method:
10/2/2023 - 10/4/2023	PG Environmental Services	Geoprobe	2" Macro-Core
Borehole Depth:	**Backfill:**	**Borehole Diameter:**	**DTW:**
20 feet	Soil Cuttings	2-inches	11 feet
Area:	**Elevation:**	**Latitude:**	**Longitude:**
NM	NM	NM	NM

Well Depth:	Well Dia./Materials:	Screen Interval:	Screen Slot Size:	Sand/Filter Pack Size:	Annular Seal:
20 feet	1-inch PVC	10-20 feet	20-Slot	Morie #2	

Depth (ft)	Well Diagram	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
		ASPH		ASPHALT.				
		MIXD		Grey, fine to coarse SAND, some fine to coarse Gravel, trace silt, brick, and asphalt (FILL); moist.			36.7	Collected sample SB-6-(0-2) for Part 375 VOCs, SVOCs, Metals, Pesticides, and PCBs. Duplicate sample DUP_100223 collected from SB-6-(0-2). Handcleared to 5 ft bls.
		MIXD		Brown, fine to coarse SAND, some fine to coarse Gravel, trace brick and asphalt (FILL); moist.	G	5	15.2	
							9.9	
5	Schedule 40, PVC Riser	MIXD		Brown, fine to coarse SAND and fine to coarse GRAVEL, little Asphalt and Concrete (FILL); moist.			0.0	
		MIXD					0.0	
		MIXD		Light Brown, fine to coarse SAND and fine to coarse GRAVEL, some Brick, Asphalt, and Glass (FILL); moist.		2	0.0	
		MIXD		Light Grey, SILT, trace asphalt and brick (FILL); moist.			0.0	
		MIXD		Brown, fine to coarse SAND, some fine to coarse Gravel and Asphalt, trace brick and concrete (FILL); moist.			0.0	
10		MIXD		Light Brown, fine to coarse SAND and fine to coarse GRAVEL, some Brick, Asphalt, and Concrete, trace glass (FILL); wet.		2.5		Groundwater encountered at 11 ft bls. Collected sample SB-6-(12-14) for Part 375 VOCs, SVOCs, Metals, Pesticides, and PCBs. Odor observed from 13 to 14 ft bls.
		MIXD		Dark Grey, fine to coarse SAND, little fine to coarse Gravel, trace wood and brick (FILL); wet.			13.0	
							6.0	
15	Sand Morrie #2 Schedule 40, 10-slot PVC							

Bottom of borehole at 20 feet

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ROUX STANDARD LOG - 6/25/25 12:55 - S:\GINT\PROJECTS\3868.0004Y000 PHASE II.GPJ

SB-7

Client: Gilbane Development Co.	Site: 1931 Lafayette Ave	Project Number: 3868.0004Y000
Address: 1931 Lafayette Ave	City/State: Bronx, NY	Logged By: PP

Start to Finish Date: 7/3/2024 - 7/3/2024	Contractor: Trinity Environmental	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 15 feet	Backfill: Soil Cuttings	Borehole Diameter: 2-inches	DTW:
Area: NM	Elevation: NM	Latitude: NM	Longitude: NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	MIXD		Dark brown, fine to coarse SAND, some Gravel, Brick, and Concrete (FILL); moist.				Soil sample SB-7-(0-2) collected.
	MIXD		Medium brown, fine to coarse SAND, some Gravel, Brick, and Concrete (FILL); moist.	G	5	0.0	
5	MIXD		Black, fine to coarse SAND, some Organics and Brick, little fine Gravel (FILL); moist.				
	MIXD		Grey, fine to coarse SAND, some fine to coarse Gravel and Organics, little Glass, trace brick (FILL); moist.		3.5	0.0	
10	MIXD		Grey, fine to medium Gravel, some Organics and fine to coarse Sand, little Wood (FILL); wet.		1.5	0.0	Soil sample SB-7-(9-11) collected.
	MIXD		WOOD (FILL); wet.				
			Bottom of borehole at 15 feet				

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ROUX STANDARD LOG - 6/25/25 12:55 - S:\GINT\PROJECTS\3868.0004Y000 PHASE II.GPJ

SB-8

Client:	Site:	Project Number:
Gilbane Development Co.	1931 Lafayette Ave	3868.0004Y000
Address:	**City/State:**	**Logged By:**
1931 Lafayette Ave	Bronx, NY	PP

Start to Finish Date:	Contractor:	Drill Type:	Sampler Type/Method:
7/3/2024 - 7/3/2024	Trinity Environmental	Geoprobe	2" Macro-Core
Borehole Depth:	**Backfill:**	**Borehole Diameter:**	**DTW:**
15 feet	Soil Cuttings	2-inches	
Area:	**Elevation:**	**Latitude:**	**Longitude:**
NM	NM	NM	NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				
	MIXD		Medium brown, fine to coarse SAND, some fine to coarse Gravel and Brick, little Concrete (FILL); moist.				
	MIXD		Light grey, fine to coarse SAND, some fine to coarse Gravel and Silt, little Brick (FILL); moist.	G	5	0.0	Soil sample SB-8-(0-2) collected.
5	MIXD		Light grey, fine to coarse SAND, some fine to coarse Gravel and Silt, little Brick and Wood (FILL); moist.				
	MIXD		Medium brown, SILT, some Organics (FILL); moist.				
	MIXD		Grey, fine to coarse SAND, some fine to coarse Gravel and Organics, little Metal (FILL); moist.		5	0.0	
10	MIXD		Grey, fine to coarse SAND, some fine to coarse Gravel, Silt, and Organics (FILL); wet.		4.5	0.0	Soil sample SB-8-(9-11) collected.
	MIXD		Bottom of borehole at 15 feet				

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SB-9

Client:	Site:	Project Number:
Gilbane Development Co.	1931 Lafayette Ave	3868.0004Y000
Address:	**City/State:**	**Logged By:**
1931 Lafayette Ave	Bronx, NY	PP

Start to Finish Date:	Contractor:	Drill Type:	Sampler Type/Method:
7/3/2024 - 7/3/2024	Trinity Environmental	Geoprobe	2" Macro-Core
Borehole Depth:	**Backfill:**	**Borehole Diameter:**	**DTW:**
15 feet	Soil Cuttings	2-inches	
Area:	**Elevation:**	**Latitude:**	**Longitude:**
NM	NM	NM	NM

Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
	ASPH		ASPHALT.				
	MIXD		Grey, fine to coarse GRAVEL and SAND, little Concrete (FILL); moist.				
	MIXD		Medium brown, fine to coarse SAND, some fine to coarse Gravel and Brick, trace metal (FILL); moist.	G	5	0.0	Soil sample SB-9-(0-2) collected.
5							
	MIXD		Dark grey, ORGANICS and fine to coarse SAND, some Silt, little Brick and Metal (FILL); moist.		2	0.0	Soil sample SB-9-(9-11) collected.
10							
	MIXD		Dark grey, ORGANICS and fine to coarse SAND, some Silt, little Brick, Metal, and Wood (FILL); wet.		2.5	0.0	
			Bottom of borehole at 15 feet				

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ANALYTICAL REPORT

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PREPARED FOR

Attn: Lauren Dolginko
Roux Environmental Eng & Geology DPC
209 Shafter St
Islandia NY 11749

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JOB DESCRIPTION

1931 Lafayette Ave, Bronx

JOB NUMBER

460-307050-1

Eurofins Edison
777 New Durham Road
Edison NJ 08817

See page two for job notes and contact information.

my EOL

Eurofins Edison

Job Notes

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CASE NARRATIVE

Client: Roux Environmental Eng & Geology DPC

Project: 1931 Lafayette Ave, Bronx

Report Number: 460-307050-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

It should be noted that samples with elevated Reporting Limits (RLs) as a result of a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the RLs are unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes or interferences which exceed the calibration range of the instrument.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT
The samples were received on 7/3/2024 5:20 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 1.8°C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

SEMIVOLATILE ORGANIC COMPOUNDS (GC/MS)
Samples SB-7-(0-2) (460-307050-1), SB-7-(9-11) (460-307050-2), SB-8-(0-2) (460-307050-3), SB-8-(9-11) (460-307050-4), SB-9-(0-2) (460-307050-5) and SB-9-(9-11) (460-307050-6) were analyzed for semivolatile organic compounds (GC/MS) in accordance with EPA SW-846 Method 8270E. The samples were prepared on 07/06/2024 and analyzed on 07/07/2024 and 07/08/2024.

Sample SB-7-(0-2) (460-307050-1)[5X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

The following sample was diluted due to the nature of the sample matrix: SB-7-(0-2) (460-307050-1). Elevated reporting limits (RLs) are provided.

Several analytes failed the recovery criteria low for the MS of sample 460-307009-6 in batch 460-983942.

Naphthalene and Phenol failed the recovery criteria low for the MSD of sample 460-307009-6 in batch 460-983942.

Naphthalene and Phenol failed the recovery criteria low for the MSD of sample 460-307009-6 in batch 460-983942.

Refer to the QC report for details.

No other difficulties were encountered during the semivolatiles analysis.

All other quality control parameters were within the acceptance limits.

METALS - TOTAL (ICP/MS)
Samples SB-7-(0-2) (460-307050-1), SB-7-(9-11) (460-307050-2), SB-8-(0-2) (460-307050-3), SB-8-(9-11) (460-307050-4), SB-9-(0-2) (460-307050-5) and SB-9-(9-11) (460-307050-6) were analyzed for Metals - Total (ICP/MS) in accordance with EPA SW-846 Method 6020B - Total. The samples were prepared on 07/08/2024 and analyzed on 07/08/2024 and 07/09/2024.

DRAFT

Sample SB-9-(0-2) (460-307050-5)[3X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

Beryllium and Manganese exceeded the RPD limit for the duplicate of sample 460-306985-6.

Refer to the QC report for details.

No other difficulties were encountered during the metals analysis.

All other quality control parameters were within the acceptance limits.

MERCURY - TOTAL

Samples SB-7-(0-2) (460-307050-1), SB-7-(9-11) (460-307050-2), SB-8-(0-2) (460-307050-3), SB-8-(9-11) (460-307050-4), SB-9-(0-2) (460-307050-5) and SB-9-(9-11) (460-307050-6) were analyzed for Mercury - Total in accordance with EPA SW-846 Method 7471B. The samples were prepared and analyzed on 07/09/2024.

No difficulties were encountered during the Hg analysis.

All quality control parameters were within the acceptance limits.

PERCENT SOLIDS/PERCENT MOISTURE

Samples SB-7-(0-2) (460-307050-1), SB-7-(9-11) (460-307050-2), SB-8-(0-2) (460-307050-3), SB-8-(9-11) (460-307050-4), SB-9-(0-2) (460-307050-5) and SB-9-(9-11) (460-307050-6) were analyzed for percent solids/percent moisture in accordance with EPA Method CLPISM01.2 (Exhibit D) Modified. The samples were analyzed on 07/05/2024.

No difficulties were encountered during the %solids/moisture analysis.

All quality control parameters were within the acceptance limits.

DRAFT

Sample Summary

Client: Roux Environmental Eng & Geology DPC
Project/Site: 1931 Lafayette Ave, Bronx

Job ID: 460-307050-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
460-307050-1	SB-7-(0-2)	Solid	07/03/24 08:30	07/03/24 17:20
460-307050-2	SB-7-(9-11)	Solid	07/03/24 09:50	07/03/24 17:20
460-307050-3	SB-8-(0-2)	Solid	07/03/24 09:30	07/03/24 17:20
460-307050-4	SB-8-(9-11)	Solid	07/03/24 10:30	07/03/24 17:20
460-307050-5	SB-9-(0-2)	Solid	07/03/24 10:40	07/03/24 17:20
460-307050-6	SB-9-(9-11)	Solid	07/03/24 11:25	07/03/24 17:20

DRAFT

Detection Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-307050-1
Project/Site: 1931 Lafayette Ave, Bronx

Client Sample ID: SB-7-(0-2)
Lab Sample ID: 460-307050-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	0.72	J	1.9	0.055	mg/Kg	5	☼	8270E	Total/NA
Anthracene	0.19	J	1.9	0.059	mg/Kg	5	☼	8270E	Total/NA
Benzo[a]anthracene	0.59		0.19	0.15	mg/Kg	5	☼	8270E	Total/NA
Benzo[a]pyrene	1.4		0.19	0.052	mg/Kg	5	☼	8270E	Total/NA
Benzo[b]fluoranthene	1.8		0.19	0.050	mg/Kg	5	☼	8270E	Total/NA
Benzo[g,h,i]perylene	1.4	J	1.9	0.057	mg/Kg	5	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.57		0.19	0.038	mg/Kg	5	☼	8270E	Total/NA
Chrysene	0.81	J	1.9	0.081	mg/Kg	5	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.25		0.19	0.084	mg/Kg	5	☼	8270E	Total/NA
Fluoranthene	1.3	J	1.9	0.068	mg/Kg	5	☼	8270E	Total/NA
Fluorene	0.060	J	1.9	0.057	mg/Kg	5	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	1.3		0.19	0.076	mg/Kg	5	☼	8270E	Total/NA
Naphthalene	0.10	J	1.9	0.033	mg/Kg	5	☼	8270E	Total/NA
Phenanthrene	0.66	J	1.9	0.079	mg/Kg	5	☼	8270E	Total/NA
Pyrene	1.1	J	1.9	0.048	mg/Kg	5	☼	8270E	Total/NA
Arsenic	8.4		1.0	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	1920		2.1	0.15	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.34	J	0.42	0.060	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.76	J	1.0	0.12	mg/Kg	1	☼	6020B	Total/NA
Chromium	18.7		2.1	0.95	mg/Kg	1	☼	6020B	Total/NA
Copper	49.0		2.1	0.38	mg/Kg	1	☼	6020B	Total/NA
Lead	888		0.63	0.21	mg/Kg	1	☼	6020B	Total/NA
Manganese	312		4.2	0.42	mg/Kg	1	☼	6020B	Total/NA
Nickel	21.4		2.1	0.49	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.59	J	1.3	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.16	J	0.42	0.093	mg/Kg	1	☼	6020B	Total/NA
Zinc	916		8.4	3.2	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.75		0.018	0.0086	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-7-(9-11)
Lab Sample ID: 460-307050-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.016	J	0.36	0.010	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.10	J	0.36	0.010	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.097	J	0.36	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.41		0.036	0.027	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.41		0.036	0.0097	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.56		0.036	0.0094	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.27	J	0.36	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.22		0.036	0.0071	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.44		0.36	0.015	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.067		0.036	0.016	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.014	J	0.36	0.012	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.74		0.36	0.013	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.017	J	0.36	0.011	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.27		0.036	0.014	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.016	J	0.36	0.0063	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.39		0.36	0.015	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.71		0.36	0.0091	mg/Kg	1	☼	8270E	Total/NA
Arsenic	5.0		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	270		2.1	0.16	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

DRAFT

Client Sample ID: SB-7-(9-11) (Continued)
Lab Sample ID: 460-307050-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Beryllium	0.77		0.43	0.061	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.46	J	1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Chromium	15.8		2.1	0.97	mg/Kg	1	☼	6020B	Total/NA
Copper	40.5		2.1	0.39	mg/Kg	1	☼	6020B	Total/NA
Lead	235		0.64	0.21	mg/Kg	1	☼	6020B	Total/NA
Manganese	284		4.3	0.43	mg/Kg	1	☼	6020B	Total/NA
Nickel	16.1		2.1	0.50	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.30	J	1.3	0.14	mg/Kg	1	☼	6020B	Total/NA
Silver	0.10	J	0.43	0.095	mg/Kg	1	☼	6020B	Total/NA
Zinc	259		8.6	3.3	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.19		0.018	0.0084	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-8-(0-2)
Lab Sample ID: 460-307050-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.21	J	0.39	0.011	mg/Kg	1	☼	8270E	Total/NA
Acenaphthylene	0.023	J	0.39	0.011	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.47		0.39	0.012	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	1.1		0.039	0.029	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	1.1		0.039	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	1.2		0.039	0.010	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.73		0.39	0.012	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.43		0.039	0.0077	mg/Kg	1	☼	8270E	Total/NA
Chrysene	1.1		0.39	0.016	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.15		0.039	0.017	mg/Kg	1	☼	8270E	Total/NA
Dibenzofuran	0.16	J	0.39	0.013	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	2.1		0.39	0.014	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.24	J	0.39	0.011	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.63		0.039	0.015	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.19	J	0.39	0.0068	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	1.8		0.39	0.016	mg/Kg	1	☼	8270E	Total/NA
Pyrene	2.3		0.39	0.0097	mg/Kg	1	☼	8270E	Total/NA
Arsenic	10.4		1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Barium	472		2.2	0.16	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.38	J	0.45	0.064	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.50	J	1.1	0.13	mg/Kg	1	☼	6020B	Total/NA
Chromium	26.8		2.2	1.0	mg/Kg	1	☼	6020B	Total/NA
Copper	149		2.2	0.41	mg/Kg	1	☼	6020B	Total/NA
Lead	347		0.67	0.22	mg/Kg	1	☼	6020B	Total/NA
Manganese	115		4.5	0.45	mg/Kg	1	☼	6020B	Total/NA
Nickel	21.9		2.2	0.52	mg/Kg	1	☼	6020B	Total/NA
Selenium	1.1	J	1.4	0.14	mg/Kg	1	☼	6020B	Total/NA
Silver	0.36	J	0.45	0.099	mg/Kg	1	☼	6020B	Total/NA
Zinc	488		8.9	3.4	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.20		0.020	0.0093	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-8-(9-11)
Lab Sample ID: 460-307050-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthylene	0.033	J	0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.038	J	0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.30		0.037	0.028	mg/Kg	1	☼	8270E	Total/NA

This Detection Summary does not include radiochemical test results.

DRAFT

Client Sample ID: SB-8-(9-11) (Continued)
Lab Sample ID: 460-307050-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]pyrene	0.32		0.037	0.0098	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.43		0.037	0.0096	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.23	J	0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.16		0.037	0.0072	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.32	J	0.37	0.016	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.071		0.037	0.016	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.42		0.37	0.013	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.24		0.037	0.014	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.0090	J	0.37	0.0064	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.16	J	0.37	0.015	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.41		0.37	0.0092	mg/Kg	1	☼	8270E	Total/NA
Arsenic	3.4		0.99	0.10	mg/Kg	1	☼	6020B	Total/NA
Barium	139		2.0	0.14	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.35	J	0.40	0.056	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.23	J	0.99	0.11	mg/Kg	1	☼	6020B	Total/NA
Chromium	15.2		2.0	0.90	mg/Kg	1	☼	6020B	Total/NA
Copper	22.3		2.0	0.36	mg/Kg	1	☼	6020B	Total/NA
Lead	153		0.59	0.20	mg/Kg	1	☼	6020B	Total/NA
Manganese	169		4.0	0.40	mg/Kg	1	☼	6020B	Total/NA
Nickel	15.7		2.0	0.46	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.19	J	1.2	0.13	mg/Kg	1	☼	6020B	Total/NA
Silver	0.099	J	0.40	0.088	mg/Kg	1	☼	6020B	Total/NA
Zinc	129		7.9	3.0	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.16		0.019	0.0088	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-9-(0-2)
Lab Sample ID: 460-307050-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.018	J	0.42	0.012	mg/Kg	1	☼	8270E	Total/NA
Anthracene	0.053	J	0.42	0.013	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]anthracene	0.17		0.042	0.032	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.16		0.042	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.20		0.042	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.10	J	0.42	0.012	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.085		0.042	0.0083	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.16	J	0.42	0.018	mg/Kg	1	☼	8270E	Total/NA
Dibenz(a,h)anthracene	0.027	J	0.042	0.018	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.32	J	0.42	0.015	mg/Kg	1	☼	8270E	Total/NA
Fluorene	0.017	J	0.42	0.012	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.094		0.042	0.016	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.016	J	0.42	0.0073	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.18	J	0.42	0.017	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.26	J	0.42	0.010	mg/Kg	1	☼	8270E	Total/NA
Arsenic	4.4		1.2	0.12	mg/Kg	1	☼	6020B	Total/NA
Barium	4060		7.1	0.52	mg/Kg	3	☼	6020B	Total/NA
Beryllium	0.45	J	0.48	0.068	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.97	J	1.2	0.13	mg/Kg	1	☼	6020B	Total/NA
Chromium	17.3		2.4	1.1	mg/Kg	1	☼	6020B	Total/NA
Copper	78.9		2.4	0.44	mg/Kg	1	☼	6020B	Total/NA
Lead	140		0.71	0.24	mg/Kg	1	☼	6020B	Total/NA
Manganese	70.2		4.8	0.48	mg/Kg	1	☼	6020B	Total/NA

This Detection Summary does not include radiochemical test results.

DRAFT

Client Sample ID: SB-9-(0-2) (Continued)
Lab Sample ID: 460-307050-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	12.5		2.4	0.56	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.63	J	1.5	0.15	mg/Kg	1	☼	6020B	Total/NA
Silver	0.12	J	0.48	0.11	mg/Kg	1	☼	6020B	Total/NA
Zinc	1650		9.5	3.6	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.83		0.022	0.010	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-9-(9-11)
Lab Sample ID: 460-307050-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.040		0.037	0.028	mg/Kg	1	☼	8270E	Total/NA
Benzo[a]pyrene	0.032	J	0.037	0.0098	mg/Kg	1	☼	8270E	Total/NA
Benzo[b]fluoranthene	0.047		0.037	0.0095	mg/Kg	1	☼	8270E	Total/NA
Benzo[g,h,i]perylene	0.025	J	0.37	0.011	mg/Kg	1	☼	8270E	Total/NA
Benzo[k]fluoranthene	0.019	J	0.037	0.0072	mg/Kg	1	☼	8270E	Total/NA
Chrysene	0.034	J	0.37	0.015	mg/Kg	1	☼	8270E	Total/NA
Fluoranthene	0.044	J	0.37	0.013	mg/Kg	1	☼	8270E	Total/NA
Indeno[1,2,3-cd]pyrene	0.023	J	0.037	0.014	mg/Kg	1	☼	8270E	Total/NA
Naphthalene	0.016	J	0.37	0.0063	mg/Kg	1	☼	8270E	Total/NA
Phenanthrene	0.030	J	0.37	0.015	mg/Kg	1	☼	8270E	Total/NA
Pyrene	0.046	J	0.37	0.0091	mg/Kg	1	☼	8270E	Total/NA
Arsenic	3.7		1.1	0.11	mg/Kg	1	☼	6020B	Total/NA
Barium	172		2.2	0.16	mg/Kg	1	☼	6020B	Total/NA
Beryllium	0.94		0.43	0.061	mg/Kg	1	☼	6020B	Total/NA
Cadmium	0.27	J	1.1	0.12	mg/Kg	1	☼	6020B	Total/NA
Chromium	20.6		2.2	0.98	mg/Kg	1	☼	6020B	Total/NA
Copper	42.8		2.2	0.40	mg/Kg	1	☼	6020B	Total/NA
Lead	64.9		0.65	0.22	mg/Kg	1	☼	6020B	Total/NA
Manganese	233		4.3	0.43	mg/Kg	1	☼	6020B	Total/NA
Nickel	20.2		2.2	0.51	mg/Kg	1	☼	6020B	Total/NA
Selenium	0.22	J	1.3	0.14	mg/Kg	1	☼	6020B	Total/NA
Silver	0.10	J	0.43	0.096	mg/Kg	1	☼	6020B	Total/NA
Zinc	96.0		8.6	3.3	mg/Kg	1	☼	6020B	Total/NA
Mercury	0.085		0.018	0.0086	mg/Kg	1	☼	7471B	Total/NA

DRAFT

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-307050-1
Project/Site: 1931 Lafayette Ave, Bronx

Method	Method Description	Protocol	Laboratory
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	EET EDI
6020B	Metals (ICP/MS)	SW846	EET EDI
7471B	Mercury (CVAA)	SW846	EET EDI
Moisture	Percent Moisture	EPA	EET EDI
3050B	Preparation, Metals	SW846	EET EDI
3546	Microwave Extraction	SW846	EET EDI
7471B	Preparation, Mercury	SW846	EET EDI

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

DRAFT

Client Sample ID: SB-7-(0-2)
Date Collected: 07/03/24 08:30
Date Received: 07/03/24 17:20

Lab Sample ID: 460-307050-1
Matrix: Solid
Percent Solids: 85.4

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.19	U	0.19	0.17	mg/Kg	☼	07/06/24 10:42	07/07/24 23:55	5
2-Methylphenol	1.9	U	1.9	0.072	mg/Kg	☼	07/06/24 10:42	07/07/24 23:55	5
3 & 4 Methylphenol	1.9	U	1.9	0.12	mg/Kg	☼	07/06/24 10:42	07/07/24 23:55	5
Acenaphthene	1.9	U	1.9	0.055	mg/Kg	☼	07/06/24 10:42	07/07/24 23:55	5
Acenaphthylene	**0.72**	**J**	1.9	0.055	mg/Kg	☼	07/06/24 10:42	07/07/24 23:55	5
Anthracene	**0.19**	**J**	1.9	0.059	mg/Kg	☼	07/06/24 10:42	07/07/24 23:55	5
Benzo[a]anthracene	**0.59**		0.19	0.15	mg/Kg	☼	07/06/24 10:42	07/07/24 23:55	5
Benzo[a]pyrene	**1.4**		0.19	0.052	mg/Kg	☼	07/06/24 10:42	07/07/24 23:55	5
Benzo[b]fluoranthene	**1.8**		0.19	0.050	mg/Kg	☼	07/06/24 10:42	07/07/24 23:55	5
Benzo[g,h,i]perylene	**1.4**	**J**	1.9	0.057	mg/Kg	☼	07/06/24 10:42	07/07/24 23:55	5
Benzo[k]fluoranthene	**0.57**		0.19	0.038	mg/Kg	☼	07/06/24 10:42	07/07/24 23:55	5
Chrysene	**0.81**	**J**	1.9	0.081	mg/Kg	☼	07/06/24 10:42	07/07/24 23:55	5
Dibenz(a,h)anthracene	**0.25**		0.19	0.084	mg/Kg	☼	07/06/24 10:42	07/07/24 23:55	5
Dibenzofuran	1.9	U	1.9	0.065	mg/Kg	☼	07/06/24 10:42	07/07/24 23:55	5
Fluoranthene	**1.3**	**J**	1.9	0.068	mg/Kg	☼	07/06/24 10:42	07/07/24 23:55	5
Fluorene	**0.060**	**J**	1.9	0.057	mg/Kg	☼	07/06/24 10:42	07/07/24 23:55	5
Hexachlorobenzene	0.19	U	0.19	0.092	mg/Kg	☼	07/06/24 10:42	07/07/24 23:55	5
Indeno[1,2,3-cd]pyrene	**1.3**		0.19	0.076	mg/Kg	☼	07/06/24 10:42	07/07/24 23:55	5
Naphthalene	**0.10**	**J**	1.9	0.033	mg/Kg	☼	07/06/24 10:42	07/07/24 23:55	5
Pentachlorophenol	1.6	U	1.6	0.40	mg/Kg	☼	07/06/24 10:42	07/07/24 23:55	5
Phenanthrene	**0.66**	**J**	1.9	0.079	mg/Kg	☼	07/06/24 10:42	07/07/24 23:55	5
Phenol	1.9	U	1.9	0.071	mg/Kg	☼	07/06/24 10:42	07/07/24 23:55	5
Pyrene	**1.1**	**J**	1.9	0.048	mg/Kg	☼	07/06/24 10:42	07/07/24 23:55	5

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*61*		*24 - 137*	*07/06/24 10:42*	*07/07/24 23:55*	*5*
2-Fluorobiphenyl	*53*		*38 - 128*	*07/06/24 10:42*	*07/07/24 23:55*	*5*
2-Fluorophenol (Surr)	*43*		*31 - 133*	*07/06/24 10:42*	*07/07/24 23:55*	*5*
Nitrobenzene-d5 (Surr)	*44*		*31 - 120*	*07/06/24 10:42*	*07/07/24 23:55*	*5*
Phenol-d5 (Surr)	*50*		*35 - 132*	*07/06/24 10:42*	*07/07/24 23:55*	*5*
Terphenyl-d14 (Surr)	*64*		*44 - 147*	*07/06/24 10:42*	*07/07/24 23:55*	*5*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**8.4**		1.0	0.11	mg/Kg	☼	07/08/24 06:13	07/08/24 15:50	1
Barium	**1920**		2.1	0.15	mg/Kg	☼	07/08/24 06:13	07/08/24 15:50	1
Beryllium	**0.34**	**J**	0.42	0.060	mg/Kg	☼	07/08/24 06:13	07/08/24 15:50	1
Cadmium	**0.76**	**J**	1.0	0.12	mg/Kg	☼	07/08/24 06:13	07/08/24 15:50	1
Chromium	**18.7**		2.1	0.95	mg/Kg	☼	07/08/24 06:13	07/08/24 15:50	1
Copper	**49.0**		2.1	0.38	mg/Kg	☼	07/08/24 06:13	07/08/24 15:50	1
Lead	**888**		0.63	0.21	mg/Kg	☼	07/08/24 06:13	07/08/24 15:50	1
Manganese	**312**		4.2	0.42	mg/Kg	☼	07/08/24 06:13	07/08/24 15:50	1
Nickel	**21.4**		2.1	0.49	mg/Kg	☼	07/08/24 06:13	07/09/24 15:41	1
Selenium	**0.59**	**J**	1.3	0.13	mg/Kg	☼	07/08/24 06:13	07/08/24 15:50	1
Silver	**0.16**	**J**	0.42	0.093	mg/Kg	☼	07/08/24 06:13	07/08/24 15:50	1
Zinc	**916**		8.4	3.2	mg/Kg	☼	07/08/24 06:13	07/08/24 15:50	1

DRAFT

Client Sample ID: SB-7-(0-2)
Lab Sample ID: 460-307050-1
Date Collected: 07/03/24 08:30
Matrix: Solid
Date Received: 07/03/24 17:20
Percent Solids: 85.4

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.75**		0.018	0.0086	mg/Kg	☼	07/09/24 00:51	07/09/24 05:52	1

Client Sample ID: SB-7-(9-11)
Lab Sample ID: 460-307050-2
Date Collected: 07/03/24 09:50
Matrix: Solid
Date Received: 07/03/24 17:20
Percent Solids: 90.8

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.036	U	0.036	0.032	mg/Kg	☼	07/06/24 10:42	07/08/24 19:34	1
2-Methylphenol	0.36	U	0.36	0.014	mg/Kg	☼	07/06/24 10:42	07/08/24 19:34	1
3 & 4 Methylphenol	0.36	U	0.36	0.023	mg/Kg	☼	07/06/24 10:42	07/08/24 19:34	1
Acenaphthene	**0.016**	**J**	0.36	0.010	mg/Kg	☼	07/06/24 10:42	07/08/24 19:34	1
Acenaphthylene	**0.10**	**J**	0.36	0.010	mg/Kg	☼	07/06/24 10:42	07/08/24 19:34	1
Anthracene	**0.097**	**J**	0.36	0.011	mg/Kg	☼	07/06/24 10:42	07/08/24 19:34	1
Benzo[a]anthracene	**0.41**		0.036	0.027	mg/Kg	☼	07/06/24 10:42	07/08/24 19:34	1
Benzo[a]pyrene	**0.41**		0.036	0.0097	mg/Kg	☼	07/06/24 10:42	07/08/24 19:34	1
Benzo[b]fluoranthene	**0.56**		0.036	0.0094	mg/Kg	☼	07/06/24 10:42	07/08/24 19:34	1
Benzo[g,h,i]perylene	**0.27**	**J**	0.36	0.011	mg/Kg	☼	07/06/24 10:42	07/08/24 19:34	1
Benzo[k]fluoranthene	**0.22**		0.036	0.0071	mg/Kg	☼	07/06/24 10:42	07/08/24 19:34	1
Chrysene	**0.44**		0.36	0.015	mg/Kg	☼	07/06/24 10:42	07/08/24 19:34	1
Dibenz(a,h)anthracene	**0.067**		0.036	0.016	mg/Kg	☼	07/06/24 10:42	07/08/24 19:34	1
Dibenzofuran	**0.014**	**J**	0.36	0.012	mg/Kg	☼	07/06/24 10:42	07/08/24 19:34	1
Fluoranthene	**0.74**		0.36	0.013	mg/Kg	☼	07/06/24 10:42	07/08/24 19:34	1
Fluorene	**0.017**	**J**	0.36	0.011	mg/Kg	☼	07/06/24 10:42	07/08/24 19:34	1
Hexachlorobenzene	0.036	U	0.036	0.017	mg/Kg	☼	07/06/24 10:42	07/08/24 19:34	1
Indeno[1,2,3-cd]pyrene	**0.27**		0.036	0.014	mg/Kg	☼	07/06/24 10:42	07/08/24 19:34	1
Naphthalene	**0.016**	**J**	0.36	0.0063	mg/Kg	☼	07/06/24 10:42	07/08/24 19:34	1
Pentachlorophenol	0.29	U	0.29	0.075	mg/Kg	☼	07/06/24 10:42	07/08/24 19:34	1
Phenanthrene	**0.39**		0.36	0.015	mg/Kg	☼	07/06/24 10:42	07/08/24 19:34	1
Phenol	0.36	U	0.36	0.013	mg/Kg	☼	07/06/24 10:42	07/08/24 19:34	1
Pyrene	**0.71**		0.36	0.0091	mg/Kg	☼	07/06/24 10:42	07/08/24 19:34	1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*92*		*24 - 137*	*07/06/24 10:42*	*07/08/24 19:34*	*1*
2-Fluorobiphenyl	*76*		*38 - 128*	*07/06/24 10:42*	*07/08/24 19:34*	*1*
2-Fluorophenol (Surr)	*72*		*31 - 133*	*07/06/24 10:42*	*07/08/24 19:34*	*1*
Nitrobenzene-d5 (Surr)	*56*		*31 - 120*	*07/06/24 10:42*	*07/08/24 19:34*	*1*
Phenol-d5 (Surr)	*71*		*35 - 132*	*07/06/24 10:42*	*07/08/24 19:34*	*1*
Terphenyl-d14 (Surr)	*88*		*44 - 147*	*07/06/24 10:42*	*07/08/24 19:34*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**5.0**		1.1	0.11	mg/Kg	☼	07/08/24 06:13	07/08/24 15:53	1
Barium	**270**		2.1	0.16	mg/Kg	☼	07/08/24 06:13	07/08/24 15:53	1
Beryllium	**0.77**		0.43	0.061	mg/Kg	☼	07/08/24 06:13	07/08/24 15:53	1
Cadmium	**0.46**	**J**	1.1	0.12	mg/Kg	☼	07/08/24 06:13	07/08/24 15:53	1
Chromium	**15.8**		2.1	0.97	mg/Kg	☼	07/08/24 06:13	07/08/24 15:53	1
Copper	**40.5**		2.1	0.39	mg/Kg	☼	07/08/24 06:13	07/08/24 15:53	1
Lead	**235**		0.64	0.21	mg/Kg	☼	07/08/24 06:13	07/08/24 15:53	1

DRAFT

Client Sample ID: SB-7-(9-11)
Lab Sample ID: 460-307050-2
Date Collected: 07/03/24 09:50
Matrix: Solid
Date Received: 07/03/24 17:20
Percent Solids: 90.8

Method: SW846 6020B - Metals (ICP/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Manganese	284		4.3	0.43	mg/Kg	☼	07/08/24 06:13	07/08/24 15:53	1
Nickel	16.1		2.1	0.50	mg/Kg	☼	07/08/24 06:13	07/09/24 15:43	1
Selenium	0.30	J	1.3	0.14	mg/Kg	☼	07/08/24 06:13	07/08/24 15:53	1
Silver	0.10	J	0.43	0.095	mg/Kg	☼	07/08/24 06:13	07/08/24 15:53	1
Zinc	259		8.6	3.3	mg/Kg	☼	07/08/24 06:13	07/08/24 15:53	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.19		0.018	0.0084	mg/Kg	☼	07/09/24 00:51	07/09/24 05:58	1

Client Sample ID: SB-8-(0-2)
Lab Sample ID: 460-307050-3
Date Collected: 07/03/24 09:30
Matrix: Solid
Date Received: 07/03/24 17:20
Percent Solids: 84.5

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.039	U	0.039	0.034	mg/Kg	☼	07/06/24 10:42	07/07/24 21:15	1
2-Methylphenol	0.39	U	0.39	0.015	mg/Kg	☼	07/06/24 10:42	07/07/24 21:15	1
3 & 4 Methylphenol	0.39	U	0.39	0.024	mg/Kg	☼	07/06/24 10:42	07/07/24 21:15	1
Acenaphthene	0.21	J	0.39	0.011	mg/Kg	☼	07/06/24 10:42	07/07/24 21:15	1
Acenaphthylene	0.023	J	0.39	0.011	mg/Kg	☼	07/06/24 10:42	07/07/24 21:15	1
Anthracene	0.47		0.39	0.012	mg/Kg	☼	07/06/24 10:42	07/07/24 21:15	1
Benzo[a]anthracene	1.1		0.039	0.029	mg/Kg	☼	07/06/24 10:42	07/07/24 21:15	1
Benzo[a]pyrene	1.1		0.039	0.010	mg/Kg	☼	07/06/24 10:42	07/07/24 21:15	1
Benzo[b]fluoranthene	1.2		0.039	0.010	mg/Kg	☼	07/06/24 10:42	07/07/24 21:15	1
Benzo[g,h,i]perylene	0.73		0.39	0.012	mg/Kg	☼	07/06/24 10:42	07/07/24 21:15	1
Benzo[k]fluoranthene	0.43		0.039	0.0077	mg/Kg	☼	07/06/24 10:42	07/07/24 21:15	1
Chrysene	1.1		0.39	0.016	mg/Kg	☼	07/06/24 10:42	07/07/24 21:15	1
Dibenz(a,h)anthracene	0.15		0.039	0.017	mg/Kg	☼	07/06/24 10:42	07/07/24 21:15	1
Dibenzofuran	0.16	J	0.39	0.013	mg/Kg	☼	07/06/24 10:42	07/07/24 21:15	1
Fluoranthene	2.1		0.39	0.014	mg/Kg	☼	07/06/24 10:42	07/07/24 21:15	1
Fluorene	0.24	J	0.39	0.011	mg/Kg	☼	07/06/24 10:42	07/07/24 21:15	1
Hexachlorobenzene	0.039	U	0.039	0.019	mg/Kg	☼	07/06/24 10:42	07/07/24 21:15	1
Indeno[1,2,3-cd]pyrene	0.63		0.039	0.015	mg/Kg	☼	07/06/24 10:42	07/07/24 21:15	1
Naphthalene	0.19	J	0.39	0.0068	mg/Kg	☼	07/06/24 10:42	07/07/24 21:15	1
Pentachlorophenol	0.31	U	0.31	0.080	mg/Kg	☼	07/06/24 10:42	07/07/24 21:15	1
Phenanthrene	1.8		0.39	0.016	mg/Kg	☼	07/06/24 10:42	07/07/24 21:15	1
Phenol	0.39	U	0.39	0.014	mg/Kg	☼	07/06/24 10:42	07/07/24 21:15	1
Pyrene	2.3		0.39	0.0097	mg/Kg	☼	07/06/24 10:42	07/07/24 21:15	1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*73*		*24 - 137*	*07/06/24 10:42*	*07/07/24 21:15*	*1*
2-Fluorobiphenyl	*70*		*38 - 128*	*07/06/24 10:42*	*07/07/24 21:15*	*1*
2-Fluorophenol (Surr)	*61*		*31 - 133*	*07/06/24 10:42*	*07/07/24 21:15*	*1*
Nitrobenzene-d5 (Surr)	*62*		*31 - 120*	*07/06/24 10:42*	*07/07/24 21:15*	*1*
Phenol-d5 (Surr)	*65*		*35 - 132*	*07/06/24 10:42*	*07/07/24 21:15*	*1*
Terphenyl-d14 (Surr)	*82*		*44 - 147*	*07/06/24 10:42*	*07/07/24 21:15*	*1*

DRAFT

Client Sample ID: SB-8-(0-2)
Lab Sample ID: 460-307050-3

Date Collected: 07/03/24 09:30
Matrix: Solid
Date Received: 07/03/24 17:20
Percent Solids: 84.5

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	10.4		1.1	0.12	mg/Kg	☼	07/08/24 06:13	07/08/24 15:55	1
Barium	472		2.2	0.16	mg/Kg	☼	07/08/24 06:13	07/08/24 15:55	1
Beryllium	0.38	J	0.45	0.064	mg/Kg	☼	07/08/24 06:13	07/08/24 15:55	1
Cadmium	0.50	J	1.1	0.13	mg/Kg	☼	07/08/24 06:13	07/08/24 15:55	1
Chromium	26.8		2.2	1.0	mg/Kg	☼	07/08/24 06:13	07/08/24 15:55	1
Copper	149		2.2	0.41	mg/Kg	☼	07/08/24 06:13	07/08/24 15:55	1
Lead	347		0.67	0.22	mg/Kg	☼	07/08/24 06:13	07/08/24 15:55	1
Manganese	115		4.5	0.45	mg/Kg	☼	07/08/24 06:13	07/08/24 15:55	1
Nickel	21.9		2.2	0.52	mg/Kg	☼	07/08/24 06:13	07/09/24 15:46	1
Selenium	1.1	J	1.4	0.14	mg/Kg	☼	07/08/24 06:13	07/08/24 15:55	1
Silver	0.36	J	0.45	0.099	mg/Kg	☼	07/08/24 06:13	07/08/24 15:55	1
Zinc	488		8.9	3.4	mg/Kg	☼	07/08/24 06:13	07/08/24 15:55	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.20		0.020	0.0093	mg/Kg	☼	07/09/24 00:51	07/09/24 06:00	1

Client Sample ID: SB-8-(9-11)
Lab Sample ID: 460-307050-4

Date Collected: 07/03/24 10:30
Matrix: Solid
Date Received: 07/03/24 17:20
Percent Solids: 89.6

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.037	U	0.037	0.032	mg/Kg	☼	07/06/24 10:42	07/07/24 21:38	1
2-Methylphenol	0.37	U	0.37	0.014	mg/Kg	☼	07/06/24 10:42	07/07/24 21:38	1
3 & 4 Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	07/06/24 10:42	07/07/24 21:38	1
Acenaphthene	0.37	U	0.37	0.011	mg/Kg	☼	07/06/24 10:42	07/07/24 21:38	1
Acenaphthylene	0.033	J	0.37	0.011	mg/Kg	☼	07/06/24 10:42	07/07/24 21:38	1
Anthracene	0.038	J	0.37	0.011	mg/Kg	☼	07/06/24 10:42	07/07/24 21:38	1
Benzo[a]anthracene	0.30		0.037	0.028	mg/Kg	☼	07/06/24 10:42	07/07/24 21:38	1
Benzo[a]pyrene	0.32		0.037	0.0098	mg/Kg	☼	07/06/24 10:42	07/07/24 21:38	1
Benzo[b]fluoranthene	0.43		0.037	0.0096	mg/Kg	☼	07/06/24 10:42	07/07/24 21:38	1
Benzo[g,h,i]perylene	0.23	J	0.37	0.011	mg/Kg	☼	07/06/24 10:42	07/07/24 21:38	1
Benzo[k]fluoranthene	0.16		0.037	0.0072	mg/Kg	☼	07/06/24 10:42	07/07/24 21:38	1
Chrysene	0.32	J	0.37	0.016	mg/Kg	☼	07/06/24 10:42	07/07/24 21:38	1
Dibenz(a,h)anthracene	0.071		0.037	0.016	mg/Kg	☼	07/06/24 10:42	07/07/24 21:38	1
Dibenzofuran	0.37	U	0.37	0.012	mg/Kg	☼	07/06/24 10:42	07/07/24 21:38	1
Fluoranthene	0.42		0.37	0.013	mg/Kg	☼	07/06/24 10:42	07/07/24 21:38	1
Fluorene	0.37	U	0.37	0.011	mg/Kg	☼	07/06/24 10:42	07/07/24 21:38	1
Hexachlorobenzene	0.037	U	0.037	0.018	mg/Kg	☼	07/06/24 10:42	07/07/24 21:38	1
Indeno[1,2,3-cd]pyrene	0.24		0.037	0.014	mg/Kg	☼	07/06/24 10:42	07/07/24 21:38	1
Naphthalene	0.0090	J	0.37	0.0064	mg/Kg	☼	07/06/24 10:42	07/07/24 21:38	1
Pentachlorophenol	0.30	U	0.30	0.076	mg/Kg	☼	07/06/24 10:42	07/07/24 21:38	1
Phenanthrene	0.16	J	0.37	0.015	mg/Kg	☼	07/06/24 10:42	07/07/24 21:38	1
Phenol	0.37	U	0.37	0.014	mg/Kg	☼	07/06/24 10:42	07/07/24 21:38	1
Pyrene	0.41		0.37	0.0092	mg/Kg	☼	07/06/24 10:42	07/07/24 21:38	1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*59*		*24 - 137*	*07/06/24 10:42*	*07/07/24 21:38*	*1*

DRAFT

Client Sample ID: SB-8-(9-11)
Date Collected: 07/03/24 10:30
Date Received: 07/03/24 17:20

Lab Sample ID: 460-307050-4
Matrix: Solid
Percent Solids: 89.6

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*66*		*38 - 128*	*07/06/24 10:42*	*07/07/24 21:38*	*1*
2-Fluorophenol (Surr)	*63*		*31 - 133*	*07/06/24 10:42*	*07/07/24 21:38*	*1*
Nitrobenzene-d5 (Surr)	*64*		*31 - 120*	*07/06/24 10:42*	*07/07/24 21:38*	*1*
Phenol-d5 (Surr)	*63*		*35 - 132*	*07/06/24 10:42*	*07/07/24 21:38*	*1*
Terphenyl-d14 (Surr)	*74*		*44 - 147*	*07/06/24 10:42*	*07/07/24 21:38*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.4**		0.99	0.10	mg/Kg	☼	07/08/24 06:13	07/08/24 15:58	1
Barium	**139**		2.0	0.14	mg/Kg	☼	07/08/24 06:13	07/08/24 15:58	1
Beryllium	**0.35**	**J**	0.40	0.056	mg/Kg	☼	07/08/24 06:13	07/08/24 15:58	1
Cadmium	**0.23**	**J**	0.99	0.11	mg/Kg	☼	07/08/24 06:13	07/08/24 15:58	1
Chromium	**15.2**		2.0	0.90	mg/Kg	☼	07/08/24 06:13	07/08/24 15:58	1
Copper	**22.3**		2.0	0.36	mg/Kg	☼	07/08/24 06:13	07/08/24 15:58	1
Lead	**153**		0.59	0.20	mg/Kg	☼	07/08/24 06:13	07/08/24 15:58	1
Manganese	**169**		4.0	0.40	mg/Kg	☼	07/08/24 06:13	07/08/24 15:58	1
Nickel	**15.7**		2.0	0.46	mg/Kg	☼	07/08/24 06:13	07/09/24 15:48	1
Selenium	**0.19**	**J**	1.2	0.13	mg/Kg	☼	07/08/24 06:13	07/08/24 15:58	1
Silver	**0.099**	**J**	0.40	0.088	mg/Kg	☼	07/08/24 06:13	07/08/24 15:58	1
Zinc	**129**		7.9	3.0	mg/Kg	☼	07/08/24 06:13	07/08/24 15:58	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.16**		0.019	0.0088	mg/Kg	☼	07/09/24 00:51	07/09/24 06:02	1

Client Sample ID: SB-9-(0-2)
Date Collected: 07/03/24 10:40
Date Received: 07/03/24 17:20

Lab Sample ID: 460-307050-5
Matrix: Solid
Percent Solids: 78.5

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.042	U	0.042	0.037	mg/Kg	☼	07/06/24 10:42	07/07/24 22:01	1
2-Methylphenol	0.42	U	0.42	0.016	mg/Kg	☼	07/06/24 10:42	07/07/24 22:01	1
3 & 4 Methylphenol	0.42	U	0.42	0.026	mg/Kg	☼	07/06/24 10:42	07/07/24 22:01	1
Acenaphthene	**0.018**	**J**	0.42	0.012	mg/Kg	☼	07/06/24 10:42	07/07/24 22:01	1
Acenaphthylene	0.42	U	0.42	0.012	mg/Kg	☼	07/06/24 10:42	07/07/24 22:01	1
Anthracene	**0.053**	**J**	0.42	0.013	mg/Kg	☼	07/06/24 10:42	07/07/24 22:01	1
Benzo[a]anthracene	**0.17**		0.042	0.032	mg/Kg	☼	07/06/24 10:42	07/07/24 22:01	1
Benzo[a]pyrene	**0.16**		0.042	0.011	mg/Kg	☼	07/06/24 10:42	07/07/24 22:01	1
Benzo[b]fluoranthene	**0.20**		0.042	0.011	mg/Kg	☼	07/06/24 10:42	07/07/24 22:01	1
Benzo[g,h,i]perylene	**0.10**	**J**	0.42	0.012	mg/Kg	☼	07/06/24 10:42	07/07/24 22:01	1
Benzo[k]fluoranthene	**0.085**		0.042	0.0083	mg/Kg	☼	07/06/24 10:42	07/07/24 22:01	1
Chrysene	**0.16**	**J**	0.42	0.018	mg/Kg	☼	07/06/24 10:42	07/07/24 22:01	1
Dibenz(a,h)anthracene	**0.027**	**J**	0.042	0.018	mg/Kg	☼	07/06/24 10:42	07/07/24 22:01	1
Dibenzofuran	0.42	U	0.42	0.014	mg/Kg	☼	07/06/24 10:42	07/07/24 22:01	1
Fluoranthene	**0.32**	**J**	0.42	0.015	mg/Kg	☼	07/06/24 10:42	07/07/24 22:01	1
Fluorene	**0.017**	**J**	0.42	0.012	mg/Kg	☼	07/06/24 10:42	07/07/24 22:01	1
Hexachlorobenzene	0.042	U	0.042	0.020	mg/Kg	☼	07/06/24 10:42	07/07/24 22:01	1
Indeno[1,2,3-cd]pyrene	**0.094**		0.042	0.016	mg/Kg	☼	07/06/24 10:42	07/07/24 22:01	1
Naphthalene	**0.016**	**J**	0.42	0.0073	mg/Kg	☼	07/06/24 10:42	07/07/24 22:01	1

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Client Sample ID: SB-9-(0-2)
Date Collected: 07/03/24 10:40
Date Received: 07/03/24 17:20

Lab Sample ID: 460-307050-5
Matrix: Solid
Percent Solids: 78.5

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	0.34	U	0.34	0.086	mg/Kg	☼	07/06/24 10:42	07/07/24 22:01	1
Phenanthrene	**0.18**	**J**	0.42	0.017	mg/Kg	☼	07/06/24 10:42	07/07/24 22:01	1
Phenol	0.42	U	0.42	0.015	mg/Kg	☼	07/06/24 10:42	07/07/24 22:01	1
Pyrene	**0.26**	**J**	0.42	0.010	mg/Kg	☼	07/06/24 10:42	07/07/24 22:01	1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*65*		*24 - 137*	*07/06/24 10:42*	*07/07/24 22:01*	*1*
2-Fluorobiphenyl	*60*		*38 - 128*	*07/06/24 10:42*	*07/07/24 22:01*	*1*
2-Fluorophenol (Surr)	*52*		*31 - 133*	*07/06/24 10:42*	*07/07/24 22:01*	*1*
Nitrobenzene-d5 (Surr)	*52*		*31 - 120*	*07/06/24 10:42*	*07/07/24 22:01*	*1*
Phenol-d5 (Surr)	*56*		*35 - 132*	*07/06/24 10:42*	*07/07/24 22:01*	*1*
Terphenyl-d14 (Surr)	*70*		*44 - 147*	*07/06/24 10:42*	*07/07/24 22:01*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**4.4**		1.2	0.12	mg/Kg	☼	07/08/24 06:13	07/08/24 16:01	1
Barium	**4060**		7.1	0.52	mg/Kg	☼	07/08/24 06:13	07/09/24 15:53	3
Beryllium	**0.45**	**J**	0.48	0.068	mg/Kg	☼	07/08/24 06:13	07/08/24 16:01	1
Cadmium	**0.97**	**J**	1.2	0.13	mg/Kg	☼	07/08/24 06:13	07/08/24 16:01	1
Chromium	**17.3**		2.4	1.1	mg/Kg	☼	07/08/24 06:13	07/08/24 16:01	1
Copper	**78.9**		2.4	0.44	mg/Kg	☼	07/08/24 06:13	07/08/24 16:01	1
Lead	**140**		0.71	0.24	mg/Kg	☼	07/08/24 06:13	07/08/24 16:01	1
Manganese	**70.2**		4.8	0.48	mg/Kg	☼	07/08/24 06:13	07/08/24 16:01	1
Nickel	**12.5**		2.4	0.56	mg/Kg	☼	07/08/24 06:13	07/09/24 15:51	1
Selenium	**0.63**	**J**	1.5	0.15	mg/Kg	☼	07/08/24 06:13	07/08/24 16:01	1
Silver	**0.12**	**J**	0.48	0.11	mg/Kg	☼	07/08/24 06:13	07/08/24 16:01	1
Zinc	**1650**		9.5	3.6	mg/Kg	☼	07/08/24 06:13	07/08/24 16:01	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.83**		0.022	0.010	mg/Kg	☼	07/09/24 00:51	07/09/24 06:03	1

Client Sample ID: SB-9-(9-11)
Date Collected: 07/03/24 11:25
Date Received: 07/03/24 17:20

Lab Sample ID: 460-307050-6
Matrix: Solid
Percent Solids: 90.3

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.037	U	0.037	0.032	mg/Kg	☼	07/06/24 10:42	07/07/24 22:46	1
2-Methylphenol	0.37	U	0.37	0.014	mg/Kg	☼	07/06/24 10:42	07/07/24 22:46	1
3 & 4 Methylphenol	0.37	U	0.37	0.023	mg/Kg	☼	07/06/24 10:42	07/07/24 22:46	1
Acenaphthene	0.37	U	0.37	0.010	mg/Kg	☼	07/06/24 10:42	07/07/24 22:46	1
Acenaphthylene	0.37	U	0.37	0.010	mg/Kg	☼	07/06/24 10:42	07/07/24 22:46	1
Anthracene	0.37	U	0.37	0.011	mg/Kg	☼	07/06/24 10:42	07/07/24 22:46	1
Benzo[a]anthracene	**0.040**		0.037	0.028	mg/Kg	☼	07/06/24 10:42	07/07/24 22:46	1
Benzo[a]pyrene	**0.032**	**J**	0.037	0.0098	mg/Kg	☼	07/06/24 10:42	07/07/24 22:46	1
Benzo[b]fluoranthene	**0.047**		0.037	0.0095	mg/Kg	☼	07/06/24 10:42	07/07/24 22:46	1
Benzo[g,h,i]perylene	**0.025**	**J**	0.37	0.011	mg/Kg	☼	07/06/24 10:42	07/07/24 22:46	1
Benzo[k]fluoranthene	**0.019**	**J**	0.037	0.0072	mg/Kg	☼	07/06/24 10:42	07/07/24 22:46	1
Chrysene	**0.034**	**J**	0.37	0.015	mg/Kg	☼	07/06/24 10:42	07/07/24 22:46	1

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Client Sample ID: SB-9-(9-11)
Date Collected: 07/03/24 11:25
Date Received: 07/03/24 17:20

Lab Sample ID: 460-307050-6
Matrix: Solid
Percent Solids: 90.3

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	0.037	U	0.037	0.016	mg/Kg	☼	07/06/24 10:42	07/07/24 22:46	1
Dibenzofuran	0.37	U	0.37	0.012	mg/Kg	☼	07/06/24 10:42	07/07/24 22:46	1
Fluoranthene	**0.044**	**J**	0.37	0.013	mg/Kg	☼	07/06/24 10:42	07/07/24 22:46	1
Fluorene	0.37	U	0.37	0.011	mg/Kg	☼	07/06/24 10:42	07/07/24 22:46	1
Hexachlorobenzene	0.037	U	0.037	0.017	mg/Kg	☼	07/06/24 10:42	07/07/24 22:46	1
Indeno[1,2,3-cd]pyrene	**0.023**	**J**	0.037	0.014	mg/Kg	☼	07/06/24 10:42	07/07/24 22:46	1
Naphthalene	**0.016**	**J**	0.37	0.0063	mg/Kg	☼	07/06/24 10:42	07/07/24 22:46	1
Pentachlorophenol	0.29	U	0.29	0.075	mg/Kg	☼	07/06/24 10:42	07/07/24 22:46	1
Phenanthrene	**0.030**	**J**	0.37	0.015	mg/Kg	☼	07/06/24 10:42	07/07/24 22:46	1
Phenol	0.37	U	0.37	0.013	mg/Kg	☼	07/06/24 10:42	07/07/24 22:46	1
Pyrene	**0.046**	**J**	0.37	0.0091	mg/Kg	☼	07/06/24 10:42	07/07/24 22:46	1

Method: SW846 8270E - Semivolatile Organic Compounds (GC/MS)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*54*		*24 - 137*	*07/06/24 10:42*	*07/07/24 22:46*	*1*
2-Fluorobiphenyl	*63*		*38 - 128*	*07/06/24 10:42*	*07/07/24 22:46*	*1*
2-Fluorophenol (Surr)	*59*		*31 - 133*	*07/06/24 10:42*	*07/07/24 22:46*	*1*
Nitrobenzene-d5 (Surr)	*60*		*31 - 120*	*07/06/24 10:42*	*07/07/24 22:46*	*1*
Phenol-d5 (Surr)	*60*		*35 - 132*	*07/06/24 10:42*	*07/07/24 22:46*	*1*
Terphenyl-d14 (Surr)	*66*		*44 - 147*	*07/06/24 10:42*	*07/07/24 22:46*	*1*

Method: SW846 6020B - Metals (ICP/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**3.7**		1.1	0.11	mg/Kg	☼	07/08/24 06:13	07/08/24 16:03	1
Barium	**172**		2.2	0.16	mg/Kg	☼	07/08/24 06:13	07/08/24 16:03	1
Beryllium	**0.94**		0.43	0.061	mg/Kg	☼	07/08/24 06:13	07/08/24 16:03	1
Cadmium	**0.27**	**J**	1.1	0.12	mg/Kg	☼	07/08/24 06:13	07/08/24 16:03	1
Chromium	**20.6**		2.2	0.98	mg/Kg	☼	07/08/24 06:13	07/08/24 16:03	1
Copper	**42.8**		2.2	0.40	mg/Kg	☼	07/08/24 06:13	07/08/24 16:03	1
Lead	**64.9**		0.65	0.22	mg/Kg	☼	07/08/24 06:13	07/08/24 16:03	1
Manganese	**233**		4.3	0.43	mg/Kg	☼	07/08/24 06:13	07/08/24 16:03	1
Nickel	**20.2**		2.2	0.51	mg/Kg	☼	07/08/24 06:13	07/09/24 15:56	1
Selenium	**0.22**	**J**	1.3	0.14	mg/Kg	☼	07/08/24 06:13	07/08/24 16:03	1
Silver	**0.10**	**J**	0.43	0.096	mg/Kg	☼	07/08/24 06:13	07/08/24 16:03	1
Zinc	**96.0**		8.6	3.3	mg/Kg	☼	07/08/24 06:13	07/08/24 16:03	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.085**		0.018	0.0086	mg/Kg	☼	07/09/24 00:51	07/09/24 06:05	1

DRAFT

Surrogate Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-307050-1
Project/Site: 1931 Lafayette Ave, Bronx

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(24-137)	(38-128)	(31-133)	(31-120)	(35-132)	(44-147)
460-307009-B-6-G MS	Matrix Spike	56	58	61	59	60	65
460-307009-B-6-H MSD	Matrix Spike Duplicate	68	65	60	60	63	75
460-307050-1	SB-7-(0-2)	61	53	43	44	50	64
460-307050-2	SB-7-(9-11)	92	76	72	56	71	88
460-307050-3	SB-8-(0-2)	73	70	61	62	65	82
460-307050-4	SB-8-(9-11)	59	66	63	64	63	74
460-307050-5	SB-9-(0-2)	65	60	52	52	56	70
460-307050-6	SB-9-(9-11)	54	63	59	60	60	66
LCS 460-983903/2-A	Lab Control Sample	80	81	79	78	80	83
LCSD 460-983903/3-A	Lab Control Sample Dup	80	79	78	77	78	82
MB 460-983903/1-A	Method Blank	108	111	109	110	110	134

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14 (Surr)

DRAFT

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 460-983903/1-A
Matrix: Solid
Analysis Batch: 983942

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 983903

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,4-Dioxane	0.033	U	0.033	0.029	mg/Kg		07/06/24 10:42	07/07/24 14:46	1
2-Methylphenol	0.33	U	0.33	0.012	mg/Kg		07/06/24 10:42	07/07/24 14:46	1
3 & 4 Methylphenol	0.33	U	0.33	0.021	mg/Kg		07/06/24 10:42	07/07/24 14:46	1
Acenaphthene	0.33	U	0.33	0.0094	mg/Kg		07/06/24 10:42	07/07/24 14:46	1
Acenaphthylene	0.33	U	0.33	0.0095	mg/Kg		07/06/24 10:42	07/07/24 14:46	1
Anthracene	0.33	U	0.33	0.010	mg/Kg		07/06/24 10:42	07/07/24 14:46	1
Benzo[a]anthracene	0.033	U	0.033	0.025	mg/Kg		07/06/24 10:42	07/07/24 14:46	1
Benzo[a]pyrene	0.033	U	0.033	0.0088	mg/Kg		07/06/24 10:42	07/07/24 14:46	1
Benzo[b]fluoranthene	0.033	U	0.033	0.0086	mg/Kg		07/06/24 10:42	07/07/24 14:46	1
Benzo[g,h,i]perylene	0.33	U	0.33	0.0098	mg/Kg		07/06/24 10:42	07/07/24 14:46	1
Benzo[k]fluoranthene	0.033	U	0.033	0.0065	mg/Kg		07/06/24 10:42	07/07/24 14:46	1
Chrysene	0.33	U	0.33	0.014	mg/Kg		07/06/24 10:42	07/07/24 14:46	1
Dibenz(a,h)anthracene	0.033	U	0.033	0.014	mg/Kg		07/06/24 10:42	07/07/24 14:46	1
Dibenzofuran	0.33	U	0.33	0.011	mg/Kg		07/06/24 10:42	07/07/24 14:46	1
Fluoranthene	0.33	U	0.33	0.012	mg/Kg		07/06/24 10:42	07/07/24 14:46	1
Fluorene	0.33	U	0.33	0.0097	mg/Kg		07/06/24 10:42	07/07/24 14:46	1
Hexachlorobenzene	0.033	U	0.033	0.016	mg/Kg		07/06/24 10:42	07/07/24 14:46	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.013	mg/Kg		07/06/24 10:42	07/07/24 14:46	1
Naphthalene	0.33	U	0.33	0.0057	mg/Kg		07/06/24 10:42	07/07/24 14:46	1
Pentachlorophenol	0.27	U	0.27	0.068	mg/Kg		07/06/24 10:42	07/07/24 14:46	1
Phenanthrene	0.33	U	0.33	0.014	mg/Kg		07/06/24 10:42	07/07/24 14:46	1
Phenol	0.33	U	0.33	0.012	mg/Kg		07/06/24 10:42	07/07/24 14:46	1
Pyrene	0.33	U	0.33	0.0082	mg/Kg		07/06/24 10:42	07/07/24 14:46	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*108*		*24 - 137*	*07/06/24 10:42*	*07/07/24 14:46*	*1*
2-Fluorobiphenyl	*111*		*38 - 128*	*07/06/24 10:42*	*07/07/24 14:46*	*1*
2-Fluorophenol (Surr)	*109*		*31 - 133*	*07/06/24 10:42*	*07/07/24 14:46*	*1*
Nitrobenzene-d5 (Surr)	*110*		*31 - 120*	*07/06/24 10:42*	*07/07/24 14:46*	*1*
Phenol-d5 (Surr)	*110*		*35 - 132*	*07/06/24 10:42*	*07/07/24 14:46*	*1*
Terphenyl-d14 (Surr)	*134*		*44 - 147*	*07/06/24 10:42*	*07/07/24 14:46*	*1*

Lab Sample ID: LCS 460-983903/2-A
Matrix: Solid
Analysis Batch: 983942

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 983903

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	3.33	1.92		mg/Kg		58	27 - 120
2-Methylphenol	3.33	2.58		mg/Kg		77	63 - 120
3 & 4 Methylphenol	3.33	2.59		mg/Kg		78	61 - 120
Acenaphthene	3.33	2.71		mg/Kg		81	65 - 120
Acenaphthylene	3.33	2.66		mg/Kg		80	64 - 120
Anthracene	3.33	2.80		mg/Kg		84	67 - 120
Benzo[a]anthracene	3.33	2.75		mg/Kg		83	66 - 120
Benzo[a]pyrene	3.33	2.89		mg/Kg		87	73 - 123
Benzo[b]fluoranthene	3.33	2.86		mg/Kg		86	70 - 125
Benzo[g,h,i]perylene	3.33	3.31		mg/Kg		99	66 - 120
Benzo[k]fluoranthene	3.33	2.87		mg/Kg		86	67 - 122

DRAFT

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 460-983903/2-A
Matrix: Solid
Analysis Batch: 983942

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 983903

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chrysene	3.33	2.83		mg/Kg		85	67 - 120
Dibenz(a,h)anthracene	3.33	3.38		mg/Kg		101	66 - 128
Dibenzofuran	3.33	2.79		mg/Kg		84	61 - 120
Fluoranthene	3.33	2.73		mg/Kg		82	61 - 120
Fluorene	3.33	2.72		mg/Kg		81	64 - 120
Hexachlorobenzene	3.33	2.95		mg/Kg		88	66 - 120
Indeno[1,2,3-cd]pyrene	3.33	3.33		mg/Kg		100	71 - 137
Naphthalene	3.33	2.65		mg/Kg		79	63 - 120
Pentachlorophenol	6.67	5.77		mg/Kg		87	61 - 126
Phenanthrene	3.33	2.79		mg/Kg		84	66 - 120
Phenol	3.33	2.60		mg/Kg		78	63 - 120
Pyrene	3.33	2.83		mg/Kg		85	61 - 121

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*80*		*24 - 137*
2-Fluorobiphenyl	*81*		*38 - 128*
2-Fluorophenol (Surr)	*79*		*31 - 133*
Nitrobenzene-d5 (Surr)	*78*		*31 - 120*
Phenol-d5 (Surr)	*80*		*35 - 132*
Terphenyl-d14 (Surr)	*83*		*44 - 147*

Lab Sample ID: LCSD 460-983903/3-A
Matrix: Solid
Analysis Batch: 983942

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 983903

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	3.33	1.86		mg/Kg		56	27 - 120	3	30
2-Methylphenol	3.33	2.61		mg/Kg		78	63 - 120	1	30
3 & 4 Methylphenol	3.33	2.59		mg/Kg		78	61 - 120	0	30
Acenaphthene	3.33	2.65		mg/Kg		80	65 - 120	2	30
Acenaphthylene	3.33	2.64		mg/Kg		79	64 - 120	1	30
Anthracene	3.33	2.77		mg/Kg		83	67 - 120	1	30
Benzo[a]anthracene	3.33	2.74		mg/Kg		82	66 - 120	0	30
Benzo[a]pyrene	3.33	2.88		mg/Kg		86	73 - 123	0	30
Benzo[b]fluoranthene	3.33	2.84		mg/Kg		85	70 - 125	0	30
Benzo[g,h,i]perylene	3.33	3.28		mg/Kg		98	66 - 120	1	30
Benzo[k]fluoranthene	3.33	2.89		mg/Kg		87	67 - 122	1	30
Chrysene	3.33	2.82		mg/Kg		85	67 - 120	0	30
Dibenz(a,h)anthracene	3.33	3.33		mg/Kg		100	66 - 128	1	30
Dibenzofuran	3.33	2.74		mg/Kg		82	61 - 120	2	30
Fluoranthene	3.33	2.75		mg/Kg		82	61 - 120	1	30
Fluorene	3.33	2.70		mg/Kg		81	64 - 120	1	30
Hexachlorobenzene	3.33	2.88		mg/Kg		86	66 - 120	2	30
Indeno[1,2,3-cd]pyrene	3.33	3.27		mg/Kg		98	71 - 137	2	30
Naphthalene	3.33	2.63		mg/Kg		79	63 - 120	1	30
Pentachlorophenol	6.67	5.75		mg/Kg		86	61 - 126	0	30
Phenanthrene	3.33	2.79		mg/Kg		84	66 - 120	0	30
Phenol	3.33	2.58		mg/Kg		77	63 - 120	1	30

DRAFT

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 460-983903/3-A
Matrix: Solid
Analysis Batch: 983942

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 983903

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Pyrene			3.33	2.76		mg/Kg		83	61 - 121	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*80*		*24 - 137*
2-Fluorobiphenyl	*79*		*38 - 128*
2-Fluorophenol (Surr)	*78*		*31 - 133*
Nitrobenzene-d5 (Surr)	*77*		*31 - 120*
Phenol-d5 (Surr)	*78*		*35 - 132*
Terphenyl-d14 (Surr)	*82*		*44 - 147*

Lab Sample ID: 460-307009-B-6-G MS
Matrix: Solid
Analysis Batch: 983942

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 983903

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
1,4-Dioxane	0.083	U	8.38	3.14		mg/Kg	☼	38	27 - 120
2-Methylphenol	0.83	U	8.38	4.63	*	mg/Kg	☼	55	63 - 120
3 & 4 Methylphenol	0.83	U	8.38	4.68	*	mg/Kg	☼	56	61 - 120
Acenaphthene	0.83	U	8.38	4.77	*	mg/Kg	☼	57	65 - 120
Acenaphthylene	0.83	U	8.38	4.68	*	mg/Kg	☼	56	64 - 120
Anthracene	0.83	U	8.38	4.83	*	mg/Kg	☼	58	67 - 120
Benzo[a]anthracene	0.083	U	8.38	4.78	*	mg/Kg	☼	57	66 - 120
Benzo[a]pyrene	0.083	U	8.38	4.95	*	mg/Kg	☼	59	73 - 123
Benzo[b]fluoranthene	0.083	U	8.38	5.01	*	mg/Kg	☼	60	70 - 125
Benzo[g,h,i]perylene	0.83	U	8.38	5.49		mg/Kg	☼	66	66 - 120
Benzo[k]fluoranthene	0.083	U	8.38	5.07	*	mg/Kg	☼	61	67 - 122
Chrysene	0.83	U	8.38	4.97	*	mg/Kg	☼	59	67 - 120
Dibenz(a,h)anthracene	0.083	U	8.38	5.47	*	mg/Kg	☼	65	66 - 128
Dibenzofuran	0.83	U	8.38	4.86	*	mg/Kg	☼	58	61 - 120
Fluoranthene	0.83	U	8.38	4.66	*	mg/Kg	☼	56	61 - 120
Fluorene	0.83	U	8.38	4.71	*	mg/Kg	☼	56	64 - 120
Hexachlorobenzene	0.083	U	8.38	5.10	*	mg/Kg	☼	61	66 - 120
Indeno[1,2,3-cd]pyrene	0.083	U	8.38	5.37	*	mg/Kg	☼	64	71 - 137
Naphthalene	0.83	U	8.38	4.80	*	mg/Kg	☼	57	63 - 120
Pentachlorophenol	0.67	U	16.8	9.34	*	mg/Kg	☼	56	61 - 126
Phenanthrene	0.83	U	8.38	4.89	*	mg/Kg	☼	58	66 - 120
Phenol	0.83	U	8.38	4.62	*	mg/Kg	☼	55	63 - 120
Pyrene	0.83	U	8.38	5.29		mg/Kg	☼	63	61 - 121

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*56*		*24 - 137*
2-Fluorobiphenyl	*58*		*38 - 128*
2-Fluorophenol (Surr)	*61*		*31 - 133*
Nitrobenzene-d5 (Surr)	*59*		*31 - 120*
Phenol-d5 (Surr)	*60*		*35 - 132*
Terphenyl-d14 (Surr)	*65*		*44 - 147*

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Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 460-307009-B-6-H MSD
Matrix: Solid
Analysis Batch: 983942

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 983903

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
1,4-Dioxane	0.083	U	8.38	2.71		mg/Kg	☼	32	27 - 120	15	30
2-Methylphenol	0.83	U	8.38	5.31		mg/Kg	☼	63	63 - 120	14	30
3 & 4 Methylphenol	0.83	U	8.38	5.35		mg/Kg	☼	64	61 - 120	13	30
Acenaphthene	0.83	U	8.38	5.61		mg/Kg	☼	67	65 - 120	16	30
Acenaphthylene	0.83	U	8.38	5.54		mg/Kg	☼	66	64 - 120	17	30
Anthracene	0.83	U	8.38	5.96		mg/Kg	☼	71	67 - 120	21	30
Benzo[a]anthracene	0.083	U	8.38	5.90		mg/Kg	☼	70	66 - 120	21	30
Benzo[a]pyrene	0.083	U	8.38	6.19		mg/Kg	☼	74	73 - 123	22	30
Benzo[b]fluoranthene	0.083	U	8.38	6.18		mg/Kg	☼	74	70 - 125	21	30
Benzo[g,h,i]perylene	0.83	U	8.38	7.21		mg/Kg	☼	86	66 - 120	27	30
Benzo[k]fluoranthene	0.083	U	8.38	6.21		mg/Kg	☼	74	67 - 122	20	30
Chrysene	0.83	U	8.38	6.20		mg/Kg	☼	74	67 - 120	22	30
Dibenz(a,h)anthracene	0.083	U	8.38	7.25		mg/Kg	☼	87	66 - 128	28	30
Dibenzofuran	0.83	U	8.38	5.87		mg/Kg	☼	70	61 - 120	19	30
Fluoranthene	0.83	U	8.38	5.87		mg/Kg	☼	70	61 - 120	23	30
Fluorene	0.83	U	8.38	5.74		mg/Kg	☼	68	64 - 120	20	30
Hexachlorobenzene	0.083	U	8.38	6.15		mg/Kg	☼	73	66 - 120	19	30
Indeno[1,2,3-cd]pyrene	0.083	U	8.38	7.06		mg/Kg	☼	84	71 - 137	27	30
Naphthalene	0.83	U	8.38	5.17	*	mg/Kg	☼	62	63 - 120	7	30
Pentachlorophenol	0.67	U	16.8	12.0		mg/Kg	☼	71	61 - 126	25	30
Phenanthrene	0.83	U	8.38	5.91		mg/Kg	☼	70	66 - 120	19	30
Phenol	0.83	U	8.38	5.15	*	mg/Kg	☼	61	63 - 120	11	30
Pyrene	0.83	U	8.38	6.24		mg/Kg	☼	74	61 - 121	16	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*68*		*24 - 137*
2-Fluorobiphenyl	*65*		*38 - 128*
2-Fluorophenol (Surr)	*60*		*31 - 133*
Nitrobenzene-d5 (Surr)	*60*		*31 - 120*
Phenol-d5 (Surr)	*63*		*35 - 132*
Terphenyl-d14 (Surr)	*75*		*44 - 147*

Method: 6020B - Metals (ICP/MS)

Lab Sample ID: MB 460-983997/1-A
Matrix: Solid
Analysis Batch: 984070

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 983997

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	1.0	U	1.0	0.10	mg/Kg		07/08/24 06:13	07/08/24 14:38	1
Barium	2.0	U	2.0	0.15	mg/Kg		07/08/24 06:13	07/08/24 14:38	1
Beryllium	0.40	U	0.40	0.057	mg/Kg		07/08/24 06:13	07/08/24 14:38	1
Cadmium	1.0	U	1.0	0.11	mg/Kg		07/08/24 06:13	07/08/24 14:38	1
Chromium	2.0	U	2.0	0.91	mg/Kg		07/08/24 06:13	07/08/24 14:38	1
Copper	2.0	U	2.0	0.37	mg/Kg		07/08/24 06:13	07/08/24 14:38	1
Lead	0.60	U	0.60	0.20	mg/Kg		07/08/24 06:13	07/08/24 14:38	1
Manganese	4.0	U	4.0	0.40	mg/Kg		07/08/24 06:13	07/08/24 14:38	1
Nickel	2.0	U	2.0	0.47	mg/Kg		07/08/24 06:13	07/08/24 14:38	1

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Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: MB 460-983997/1-A
Matrix: Solid
Analysis Batch: 984070

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 983997

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	1.3	U	1.3	0.13	mg/Kg		07/08/24 06:13	07/08/24 14:38	1
Silver	0.40	U	0.40	0.089	mg/Kg		07/08/24 06:13	07/08/24 14:38	1
Zinc	8.0	U	8.0	3.1	mg/Kg		07/08/24 06:13	07/08/24 14:38	1

Lab Sample ID: LCSSRM 460-983997/2-A ^3
Matrix: Solid
Analysis Batch: 984070

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 983997

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	311	314.6		mg/Kg		101.2	81.7 - 118.3
Barium	304	301.6		mg/Kg		99.2	81.9 - 118.1
Beryllium	169	168.6		mg/Kg		99.8	82.8 - 117.2
Cadmium	212	214.6		mg/Kg		101.2	82.5 - 117.9
Chromium	180	182.4		mg/Kg		101.3	81.1 - 118.3
Copper	205	208.8		mg/Kg		101.8	82.9 - 117.1
Lead	92.8	95.06		mg/Kg		102.4	81.8 - 118.5
Manganese	531	528.6		mg/Kg		99.6	80.8 - 119.2
Nickel	313	314.7		mg/Kg		100.5	82.4 - 117.6
Selenium	165	168.1		mg/Kg		101.9	80.6 - 119.4
Silver	82.4	83.25		mg/Kg		101.0	79.5 - 120.4
Zinc	166	162.6		mg/Kg		98.0	80.1 - 120.5

Lab Sample ID: 460-306985-F-6-D MS
Matrix: Solid
Analysis Batch: 984070

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 983997

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.93	J	10.8	10.23		mg/Kg	☼	86	75 - 125
Barium	7.8		10.8	17.82		mg/Kg	☼	93	75 - 125
Beryllium	0.15	J	5.38	5.01		mg/Kg	☼	90	75 - 125
Cadmium	1.1	U	5.38	4.75		mg/Kg	☼	88	75 - 125
Chromium	3.9		10.8	14.34		mg/Kg	☼	97	75 - 125
Copper	4.7		10.8	14.79		mg/Kg	☼	94	75 - 125
Lead	1.5		5.38	6.42		mg/Kg	☼	92	75 - 125
Manganese	54.3		53.8	114.4		mg/Kg	☼	112	75 - 125
Nickel	3.5		10.8	13.64		mg/Kg	☼	94	75 - 125
Selenium	1.3	U	10.8	8.95		mg/Kg	☼	83	75 - 125
Silver	0.43	U	5.38	4.67		mg/Kg	☼	87	75 - 125
Zinc	20.1		53.8	68.71		mg/Kg	☼	90	75 - 125

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Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: 460-306985-F-6-C DU
Matrix: Solid
Analysis Batch: 984070

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 983997

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Arsenic	0.93	J	1.12		mg/Kg	☼	19	20
Barium	7.8		7.80		mg/Kg	☼	0.4	20
Beryllium	0.15	J	0.195	J	mg/Kg	☼	27	20
Cadmium	1.1	U	1.1	U	mg/Kg	☼	NC	20
Chromium	3.9		5.40		mg/Kg	☼	33	20
Copper	4.7		5.56		mg/Kg	☼	18	20
Lead	1.5		1.94		mg/Kg	☼	28	20
Manganese	54.3		74.76	*	mg/Kg	☼	32	20
Nickel	3.5		4.42		mg/Kg	☼	23	20
Selenium	1.3	U	1.3	U	mg/Kg	☼	NC	20
Silver	0.43	U	0.43	U	mg/Kg	☼	NC	20
Zinc	20.1		24.59		mg/Kg	☼	20	20

Lab Sample ID: LRC 460-984070/14
Matrix: Solid
Analysis Batch: 984070

Client Sample ID: Lab Control Sample

Analyte	Spike Added	LRC Result	LRC Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	3000	2958		ug/L		99	90 - 110
Silver	1000	1017		ug/L		102	90 - 110

Lab Sample ID: LRC 460-984070/15
Matrix: Solid
Analysis Batch: 984070

Client Sample ID: Lab Control Sample

Analyte	Spike Added	LRC Result	LRC Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	5000	4763		ug/L		95	90 - 110
Barium	20000	19000		ug/L		95	90 - 110
Beryllium	2000	2023		ug/L		101	90 - 110
Cadmium	5000	4892		ug/L		98	90 - 110
Chromium	20000	19810		ug/L		99	90 - 110
Copper	20000	20870		ug/L		104	90 - 110
Lead	20000	20690		ug/L		103	90 - 110
Manganese	20000	19190		ug/L		96	90 - 110
Nickel	20000	20700		ug/L		103	90 - 110
Zinc	20000	19980		ug/L		100	90 - 110

Lab Sample ID: LRC 460-984282/12
Matrix: Solid
Analysis Batch: 984282

Client Sample ID: Lab Control Sample

Analyte	Spike Added	LRC Result	LRC Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	5000	5097		ug/L		102	90 - 110
Barium	20000	20100		ug/L		100	90 - 110
Beryllium	2000	1953		ug/L		98	90 - 110
Cadmium	5000	5116		ug/L		102	90 - 110
Chromium	20000	20240		ug/L		101	90 - 110
Copper	20000	20360		ug/L		102	90 - 110
Lead	20000	20060		ug/L		100	90 - 110

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Method: 6020B - Metals (ICP/MS) (Continued)

Lab Sample ID: LRC 460-984282/12
Matrix: Solid
Analysis Batch: 984282

Client Sample ID: Lab Control Sample

Analyte	Spike Added	LRC Result	LRC Qualifier	Unit	D	%Rec	%Rec Limits
Manganese	20000	20090		ug/L		100	90 - 110
Nickel	20000	20440		ug/L		102	90 - 110
Zinc	20000	19660		ug/L		98	90 - 110

Lab Sample ID: LRC 460-984282/14
Matrix: Solid
Analysis Batch: 984282

Client Sample ID: Lab Control Sample

Analyte	Spike Added	LRC Result	LRC Qualifier	Unit	D	%Rec	%Rec Limits
Selenium	3000	2925		ug/L		98	90 - 110
Silver	1000	966.9		ug/L		97	90 - 110

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 460-984147/1-A
Matrix: Solid
Analysis Batch: 984181

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 984147

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.017	U	0.017	0.0080	mg/Kg		07/09/24 00:51	07/09/24 05:24	1

Lab Sample ID: LCSSRM 460-984147/2-A ^20
Matrix: Solid
Analysis Batch: 984181

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 984147

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	11.9	12.38		mg/Kg		104.1	67.1 - 131.9

Lab Sample ID: 460-307022-D-1-H MS
Matrix: Solid
Analysis Batch: 984181

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 984147

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.011	J	0.0778	0.0966		mg/Kg	☼	109	80 - 120

Lab Sample ID: 460-307022-D-1-G DU
Matrix: Solid
Analysis Batch: 984181

Client Sample ID: Duplicate
Prep Type: Total/NA
Prep Batch: 984147

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Mercury	0.011	J	0.0130	J	mg/Kg	☼	13	20

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Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*	MS or MSD is outside acceptance limits.
J	Indicates an estimated value.
U	Analyzed for but not detected.

Metals

Qualifier	Qualifier Description
*	Duplicate analysis not within control limits.
J	Sample result is greater than the MDL but below the CRDL
U	Indicates analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

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GC/MS Semi VOA

Prep Batch: 983903

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-307050-1	SB-7-(0-2)	Total/NA	Solid	3546	
460-307050-2	SB-7-(9-11)	Total/NA	Solid	3546	
460-307050-3	SB-8-(0-2)	Total/NA	Solid	3546	
460-307050-4	SB-8-(9-11)	Total/NA	Solid	3546	
460-307050-5	SB-9-(0-2)	Total/NA	Solid	3546	
460-307050-6	SB-9-(9-11)	Total/NA	Solid	3546	
MB 460-983903/1-A	Method Blank	Total/NA	Solid	3546	
LCS 460-983903/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 460-983903/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
460-307009-B-6-G MS	Matrix Spike	Total/NA	Solid	3546	
460-307009-B-6-H MSD	Matrix Spike Duplicate	Total/NA	Solid	3546	

Analysis Batch: 983942

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-307050-1	SB-7-(0-2)	Total/NA	Solid	8270E	983903
460-307050-3	SB-8-(0-2)	Total/NA	Solid	8270E	983903
460-307050-4	SB-8-(9-11)	Total/NA	Solid	8270E	983903
460-307050-5	SB-9-(0-2)	Total/NA	Solid	8270E	983903
460-307050-6	SB-9-(9-11)	Total/NA	Solid	8270E	983903
MB 460-983903/1-A	Method Blank	Total/NA	Solid	8270E	983903
LCS 460-983903/2-A	Lab Control Sample	Total/NA	Solid	8270E	983903
LCSD 460-983903/3-A	Lab Control Sample Dup	Total/NA	Solid	8270E	983903
460-307009-B-6-G MS	Matrix Spike	Total/NA	Solid	8270E	983903
460-307009-B-6-H MSD	Matrix Spike Duplicate	Total/NA	Solid	8270E	983903

Analysis Batch: 984002

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-307050-2	SB-7-(9-11)	Total/NA	Solid	8270E	983903

Metals

Prep Batch: 983997

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-307050-1	SB-7-(0-2)	Total/NA	Solid	3050B	
460-307050-2	SB-7-(9-11)	Total/NA	Solid	3050B	
460-307050-3	SB-8-(0-2)	Total/NA	Solid	3050B	
460-307050-4	SB-8-(9-11)	Total/NA	Solid	3050B	
460-307050-5	SB-9-(0-2)	Total/NA	Solid	3050B	
460-307050-6	SB-9-(9-11)	Total/NA	Solid	3050B	
MB 460-983997/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 460-983997/2-A ^3	Lab Control Sample	Total/NA	Solid	3050B	
460-306985-F-6-D MS	Matrix Spike	Total/NA	Solid	3050B	
460-306985-F-6-C DU	Duplicate	Total/NA	Solid	3050B	

Analysis Batch: 984070

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-307050-1	SB-7-(0-2)	Total/NA	Solid	6020B	983997
460-307050-2	SB-7-(9-11)	Total/NA	Solid	6020B	983997
460-307050-3	SB-8-(0-2)	Total/NA	Solid	6020B	983997
460-307050-4	SB-8-(9-11)	Total/NA	Solid	6020B	983997
460-307050-5	SB-9-(0-2)	Total/NA	Solid	6020B	983997

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Metals (Continued)

Analysis Batch: 984070 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-307050-6	SB-9-(9-11)	Total/NA	Solid	6020B	983997
MB 460-983997/1-A	Method Blank	Total/NA	Solid	6020B	983997
LCSSRM 460-983997/2-A ^3	Lab Control Sample	Total/NA	Solid	6020B	983997
LRC 460-984070/13	Lab Control Sample		Solid	6020B	
LRC 460-984070/14	Lab Control Sample		Solid	6020B	
LRC 460-984070/15	Lab Control Sample		Solid	6020B	
460-306985-F-6-D MS	Matrix Spike	Total/NA	Solid	6020B	983997
460-306985-F-6-C DU	Duplicate	Total/NA	Solid	6020B	983997

Prep Batch: 984147

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-307050-1	SB-7-(0-2)	Total/NA	Solid	7471B	
460-307050-2	SB-7-(9-11)	Total/NA	Solid	7471B	
460-307050-3	SB-8-(0-2)	Total/NA	Solid	7471B	
460-307050-4	SB-8-(9-11)	Total/NA	Solid	7471B	
460-307050-5	SB-9-(0-2)	Total/NA	Solid	7471B	
460-307050-6	SB-9-(9-11)	Total/NA	Solid	7471B	
MB 460-984147/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 460-984147/2-A ^2	Lab Control Sample	Total/NA	Solid	7471B	
460-307022-D-1-H MS	Matrix Spike	Total/NA	Solid	7471B	
460-307022-D-1-G DU	Duplicate	Total/NA	Solid	7471B	

Analysis Batch: 984181

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-307050-1	SB-7-(0-2)	Total/NA	Solid	7471B	984147
460-307050-2	SB-7-(9-11)	Total/NA	Solid	7471B	984147
460-307050-3	SB-8-(0-2)	Total/NA	Solid	7471B	984147
460-307050-4	SB-8-(9-11)	Total/NA	Solid	7471B	984147
460-307050-5	SB-9-(0-2)	Total/NA	Solid	7471B	984147
460-307050-6	SB-9-(9-11)	Total/NA	Solid	7471B	984147
MB 460-984147/1-A	Method Blank	Total/NA	Solid	7471B	984147
LCSSRM 460-984147/2-A ^2	Lab Control Sample	Total/NA	Solid	7471B	984147
460-307022-D-1-H MS	Matrix Spike	Total/NA	Solid	7471B	984147
460-307022-D-1-G DU	Duplicate	Total/NA	Solid	7471B	984147

Analysis Batch: 984282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-307050-1	SB-7-(0-2)	Total/NA	Solid	6020B	983997
460-307050-2	SB-7-(9-11)	Total/NA	Solid	6020B	983997
460-307050-3	SB-8-(0-2)	Total/NA	Solid	6020B	983997
460-307050-4	SB-8-(9-11)	Total/NA	Solid	6020B	983997
460-307050-5	SB-9-(0-2)	Total/NA	Solid	6020B	983997
460-307050-5	SB-9-(0-2)	Total/NA	Solid	6020B	983997
460-307050-6	SB-9-(9-11)	Total/NA	Solid	6020B	983997
LRC 460-984282/12	Lab Control Sample		Solid	6020B	
LRC 460-984282/13	Lab Control Sample		Solid	6020B	
LRC 460-984282/14	Lab Control Sample		Solid	6020B	

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General Chemistry

Analysis Batch: 983824

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
460-307050-1	SB-7-(0-2)	Total/NA	Solid	Moisture	
460-307050-2	SB-7-(9-11)	Total/NA	Solid	Moisture	
460-307050-3	SB-8-(0-2)	Total/NA	Solid	Moisture	
460-307050-4	SB-8-(9-11)	Total/NA	Solid	Moisture	
460-307050-5	SB-9-(0-2)	Total/NA	Solid	Moisture	
460-307050-6	SB-9-(9-11)	Total/NA	Solid	Moisture	
460-307050-6 DU	SB-9-(9-11)	Total/NA	Solid	Moisture	

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Client Sample ID: SB-7-(0-2)
Lab Sample ID: 460-307050-1
Date Collected: 07/03/24 08:30
Matrix: Solid
Date Received: 07/03/24 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	983824	CJC	EET EDI	07/05/24 16:05

Client Sample ID: SB-7-(0-2)
Lab Sample ID: 460-307050-1
Date Collected: 07/03/24 08:30
Matrix: Solid
Date Received: 07/03/24 17:20
Percent Solids: 85.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			983903	ZXB	EET EDI	07/06/24 10:42
Total/NA	Analysis	8270E		5	983942	YAH	EET EDI	07/07/24 23:55
Total/NA	Prep	3050B			983997	FBT	EET EDI	07/08/24 06:13
Total/NA	Analysis	6020B		1	984070	MDC	EET EDI	07/08/24 15:50
Total/NA	Prep	3050B			983997	FBT	EET EDI	07/08/24 06:13
Total/NA	Analysis	6020B		1	984282	JKF	EET EDI	07/09/24 15:41
Total/NA	Prep	7471B			984147	TJS	EET EDI	07/09/24 00:51
Total/NA	Analysis	7471B		1	984181	TJS	EET EDI	07/09/24 05:52

Client Sample ID: SB-7-(9-11)
Lab Sample ID: 460-307050-2
Date Collected: 07/03/24 09:50
Matrix: Solid
Date Received: 07/03/24 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	983824	CJC	EET EDI	07/05/24 16:05

Client Sample ID: SB-7-(9-11)
Lab Sample ID: 460-307050-2
Date Collected: 07/03/24 09:50
Matrix: Solid
Date Received: 07/03/24 17:20
Percent Solids: 90.8

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			983903	ZXB	EET EDI	07/06/24 10:42
Total/NA	Analysis	8270E		1	984002	MDJ	EET EDI	07/08/24 19:34
Total/NA	Prep	3050B			983997	FBT	EET EDI	07/08/24 06:13
Total/NA	Analysis	6020B		1	984070	MDC	EET EDI	07/08/24 15:53
Total/NA	Prep	3050B			983997	FBT	EET EDI	07/08/24 06:13
Total/NA	Analysis	6020B		1	984282	JKF	EET EDI	07/09/24 15:43
Total/NA	Prep	7471B			984147	TJS	EET EDI	07/09/24 00:51
Total/NA	Analysis	7471B		1	984181	TJS	EET EDI	07/09/24 05:58

Client Sample ID: SB-8-(0-2)
Lab Sample ID: 460-307050-3
Date Collected: 07/03/24 09:30
Matrix: Solid
Date Received: 07/03/24 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	983824	CJC	EET EDI	07/05/24 16:05

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Client Sample ID: SB-8-(0-2)
Date Collected: 07/03/24 09:30
Date Received: 07/03/24 17:20

Lab Sample ID: 460-307050-3
Matrix: Solid
Percent Solids: 84.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			983903	ZXB	EET EDI	07/06/24 10:42
Total/NA	Analysis	8270E		1	983942	YAH	EET EDI	07/07/24 21:15
Total/NA	Prep	3050B			983997	FBT	EET EDI	07/08/24 06:13
Total/NA	Analysis	6020B		1	984070	MDC	EET EDI	07/08/24 15:55
Total/NA	Prep	3050B			983997	FBT	EET EDI	07/08/24 06:13
Total/NA	Analysis	6020B		1	984282	JKF	EET EDI	07/09/24 15:46
Total/NA	Prep	7471B			984147	TJS	EET EDI	07/09/24 00:51
Total/NA	Analysis	7471B		1	984181	TJS	EET EDI	07/09/24 06:00

Client Sample ID: SB-8-(9-11)
Date Collected: 07/03/24 10:30
Date Received: 07/03/24 17:20

Lab Sample ID: 460-307050-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	983824	CJC	EET EDI	07/05/24 16:05

Client Sample ID: SB-8-(9-11)
Date Collected: 07/03/24 10:30
Date Received: 07/03/24 17:20

Lab Sample ID: 460-307050-4
Matrix: Solid
Percent Solids: 89.6

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			983903	ZXB	EET EDI	07/06/24 10:42
Total/NA	Analysis	8270E		1	983942	YAH	EET EDI	07/07/24 21:38
Total/NA	Prep	3050B			983997	FBT	EET EDI	07/08/24 06:13
Total/NA	Analysis	6020B		1	984070	MDC	EET EDI	07/08/24 15:58
Total/NA	Prep	3050B			983997	FBT	EET EDI	07/08/24 06:13
Total/NA	Analysis	6020B		1	984282	JKF	EET EDI	07/09/24 15:48
Total/NA	Prep	7471B			984147	TJS	EET EDI	07/09/24 00:51
Total/NA	Analysis	7471B		1	984181	TJS	EET EDI	07/09/24 06:02

Client Sample ID: SB-9-(0-2)
Date Collected: 07/03/24 10:40
Date Received: 07/03/24 17:20

Lab Sample ID: 460-307050-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	983824	CJC	EET EDI	07/05/24 16:05

Client Sample ID: SB-9-(0-2)
Date Collected: 07/03/24 10:40
Date Received: 07/03/24 17:20

Lab Sample ID: 460-307050-5
Matrix: Solid
Percent Solids: 78.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			983903	ZXB	EET EDI	07/06/24 10:42
Total/NA	Analysis	8270E		1	983942	YAH	EET EDI	07/07/24 22:01
Total/NA	Prep	3050B			983997	FBT	EET EDI	07/08/24 06:13
Total/NA	Analysis	6020B		1	984070	MDC	EET EDI	07/08/24 16:01

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Lab Chronicle

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-307050-1
Project/Site: 1931 Lafayette Ave, Bronx

Client Sample ID: SB-9-(0-2)
Lab Sample ID: 460-307050-5
Date Collected: 07/03/24 10:40
Matrix: Solid
Date Received: 07/03/24 17:20
Percent Solids: 78.5

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3050B			983997	FBT	EET EDI	07/08/24 06:13
Total/NA	Analysis	6020B		1	984282	JKF	EET EDI	07/09/24 15:51
Total/NA	Prep	3050B			983997	FBT	EET EDI	07/08/24 06:13
Total/NA	Analysis	6020B		3	984282	JKF	EET EDI	07/09/24 15:53
Total/NA	Prep	7471B			984147	TJS	EET EDI	07/09/24 00:51
Total/NA	Analysis	7471B		1	984181	TJS	EET EDI	07/09/24 06:03

Client Sample ID: SB-9-(9-11)
Lab Sample ID: 460-307050-6
Date Collected: 07/03/24 11:25
Matrix: Solid
Date Received: 07/03/24 17:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	983824	CJC	EET EDI	07/05/24 16:05

Client Sample ID: SB-9-(9-11)
Lab Sample ID: 460-307050-6
Date Collected: 07/03/24 11:25
Matrix: Solid
Date Received: 07/03/24 17:20
Percent Solids: 90.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3546			983903	ZXB	EET EDI	07/06/24 10:42
Total/NA	Analysis	8270E		1	983942	YAH	EET EDI	07/07/24 22:46
Total/NA	Prep	3050B			983997	FBT	EET EDI	07/08/24 06:13
Total/NA	Analysis	6020B		1	984070	MDC	EET EDI	07/08/24 16:03
Total/NA	Prep	3050B			983997	FBT	EET EDI	07/08/24 06:13
Total/NA	Analysis	6020B		1	984282	JKF	EET EDI	07/09/24 15:56
Total/NA	Prep	7471B			984147	TJS	EET EDI	07/09/24 00:51
Total/NA	Analysis	7471B		1	984181	TJS	EET EDI	07/09/24 06:05

Laboratory References:

EET EDI = Eurofins Edison, 777 New Durham Road, Edison, NJ 08817, TEL (732)549-3900

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Accreditation/Certification Summary

Client: Roux Environmental Eng & Geology DPC
Job ID: 460-307050-1
Project/Site: 1931 Lafayette Ave, Bronx

Laboratory: Eurofins Edison

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	11452	04-01-25

The following analytes are included in this report, but the laboratory is not certified by New York NELAP 11452. This list may include analytes for which the agency does not offer certification:

Analysis Method	Prep Method	Matrix	Analyte
8270E	3546	Solid	3 & 4 Methylphenol
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

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REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
Interm_ICV_00017	08/12/24	04/25/24	5%HCL:5%HNO3, Lot 11209783	200 mL	ME_ms-ICV-Int_00020	8 mL	Silver	80 ug/L
							Zinc	400 ug/L
					ME_TA-Cal1-SS_00009	0.32 mL	Arsenic	160 ug/L
							Barium	160 ug/L
							Beryllium	160 ug/L
							Cadmium	160 ug/L
							Chromium	160 ug/L
							Copper	160 ug/L
							Lead	160 ug/L
							Manganese	160 ug/L
							Nickel	160 ug/L
							Selenium	160 ug/L
.ME_ms-ICV-Int_00020	08/12/24	02/12/24	5%HCL:5%HNO3, Lot 11209783	200 mL	ME_Ag-2nd_00006	0.4 mL	Silver	2000 ug/L
					ME_Zn-2nd_00004	2 mL	Zinc	10000 ug/L
..ME_Ag-2nd_00006	03/12/25	CPI International, Lot 711727250-2			(Purchased Reagent)		Silver	1000000 ug/L
..ME_Zn-2nd_00004	06/30/29	Agilent Technologies, Lot 0006681564			(Purchased Reagent)		Zinc	1000000 ug/L
.ME_TA-Cal1-SS_00009	09/29/24	CPI International, Lot 1304460-1			(Purchased Reagent)		Arsenic	100000 ug/L
							Barium	100000 ug/L
							Beryllium	100000 ug/L
							Cadmium	100000 ug/L
							Chromium	100000 ug/L
							Copper	100000 ug/L
							Lead	100000 ug/L
							Manganese	100000 ug/L
							Nickel	100000 ug/L
							Selenium	100000 ug/L
me_Cal2_00132	07/09/24	06/25/24	5%HCL:5%HNO3, Lot 11209783	200 mL	ME_6020BRL_IV_00003	10 mL	Arsenic	10 ug/L
							Barium	20 ug/L
							Beryllium	4 ug/L
							Cadmium	10 ug/L
							Chromium	20 ug/L
							Copper	20 ug/L
							Lead	6 ug/L
							Manganese	40 ug/L
							Nickel	20 ug/L
							Selenium	12.5 ug/L
							Silver	10 ug/L
							Zinc	80 ug/L
.ME_6020BRL_IV_00003	09/28/24	Inorganic Ventures, Lot U2-MEB736940			(Purchased Reagent)		Arsenic	200 ug/L
							Barium	400 ug/L
							Beryllium	80 ug/L
							Cadmium	200 ug/L
							Chromium	400 ug/L
							Copper	400 ug/L

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Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Lead	120 ug/L
							Manganese	800 ug/L
							Nickel	400 ug/L
							Selenium	250 ug/L
							Silver	200 ug/L
							Zinc	1600 ug/L
me_Cal5_00171	07/09/24	06/25/24	5%HCL:5%HNO3, Lot 11209783	200 mL	ME_ms-Cal-Int_00019	10 mL	Silver	100 ug/L
							Zinc	500 ug/L
					ME_TA-Cal1_00014	0.4 mL	Arsenic	200 ug/L
							Barium	200 ug/L
							Beryllium	200 ug/L
							Cadmium	200 ug/L
							Chromium	200 ug/L
							Copper	200 ug/L
							Lead	200 ug/L
							Manganese	200 ug/L
							Nickel	200 ug/L
							Selenium	200 ug/L
.ME_ms-Cal-Int_00019	08/22/24	05/25/24	5%HCL:5%HNO3, Lot 11035903	200 mL	ME_Ag-2nd_00006	0.4 mL	Silver	2000 ug/L
					ME_Zn-1st_00007	2 mL	Zinc	10000 ug/L
..ME_Ag-2nd_00006	03/12/25	CPI International, Lot 711727250-2			(Purchased Reagent)		Silver	1000000 ug/L
..ME_Zn-1st_00007	08/22/24	CPI, Lot 1216101-55			(Purchased Reagent)		Zinc	1000000 ug/L
.ME_TA-Cal1_00014	10/10/24	CPI International, Lot 1370764			(Purchased Reagent)		Arsenic	100000 ug/L
							Barium	100000 ug/L
							Beryllium	100000 ug/L
							Cadmium	100000 ug/L
							Chromium	100000 ug/L
							Copper	100000 ug/L
							Lead	100000 ug/L
							Manganese	100000 ug/L
							Nickel	100000 ug/L
							Selenium	100000 ug/L
ME_DCAL-IN_04614	07/10/24	07/09/24	0.15%HNO3, Lot ME_0.15%_HNO3_00118	100 mL	ME_Hg_1st_00031	1 mL	Mercury	100 ug/L
.ME_Hg_1st_00031	12/11/24	SCP Science, Lot S231027021			(Purchased Reagent)		Mercury	10000 ug/L
ME_DQCS-INT_04344	07/10/24	07/09/24	0.15%HNO3, Lot ME_0.15%_HNO3_00118	100 mL	ME_Hg_00065	1 mL	Mercury	100 ug/L
.ME_Hg_00065	06/10/25	Inorganic Ventures, Lot U2-HG729095			(Purchased Reagent)		Mercury	10000 ug/L
me_ICSA_00239	07/12/24	07/05/24	5%HCL:5%HNO3, Lot 11209783	200 mL	ME_MS-ICSA_00011	20 mL	Al	100000 ug/L
							Ca	100000 ug/L
							Fe	100000 ug/L
							K	100000 ug/L
							Mg	100000 ug/L
							Mo	2000 ug/L

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REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Na	100000 ug/L
							Ti	2000 ug/L
.ME_MS-ICSA_00011	11/02/24	CPI International, Lot 1332492-1			(Purchased Reagent)		Al	1000000 ug/L
							Ca	1000000 ug/L
							Fe	1000000 ug/L
							K	1000000 ug/L
							Mg	1000000 ug/L
							Mo	20000 ug/L
							Na	1000000 ug/L
							Ti	20000 ug/L
me_ICSAB_00199	07/12/24	07/05/24	5%HCL:5%HNO3, Lot 11209783	200 mL	ME_Ag-2nd_00006	0.04 mL	Silver	200 ug/L
					me_MS-ICSA_00012	20 mL	Al	100000 ug/L
							Ca	100000 ug/L
							Fe	100000 ug/L
							K	100000 ug/L
							Mg	100000 ug/L
							Mo	2000 ug/L
							Na	100000 ug/L
							Ti	2000 ug/L
					ME_ms_ICSAB_00007	4 mL	Arsenic	200 ug/L
							Barium	200 ug/L
							Beryllium	200 ug/L
							Cadmium	200 ug/L
							Chromium	200 ug/L
							Co	200 ug/L
							Copper	200 ug/L
							Lead	200 ug/L
							Manganese	200 ug/L
							Nickel	200 ug/L
							Sb	100 ug/L
							Selenium	200 ug/L
							Sn	200 ug/L
							Sr	200 ug/L
							Tl	100 ug/L
							V	200 ug/L
					ME_Zn-1st_00007	0.04 mL	Zinc	200 ug/L
.ME_Ag-2nd_00006	03/12/25	CPI International, Lot 711727250-2			(Purchased Reagent)		Silver	1000000 ug/L
.me_MS-ICSA_00012	11/02/24	CPI International, Lot 1332492-1			(Purchased Reagent)		Al	1000000 ug/L
							Ca	1000000 ug/L
							Fe	1000000 ug/L
							K	1000000 ug/L
							Mg	1000000 ug/L
							Mo	20000 ug/L
							Na	1000000 ug/L
							Ti	20000 ug/L
.ME_ms_ICSAB_00007	11/24/24	CPI International, Lot 1243971-1			(Purchased Reagent)		Arsenic	10000 ug/L

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REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Barium	10000 ug/L
							Beryllium	10000 ug/L
							Cadmium	10000 ug/L
							Chromium	10000 ug/L
							Co	10000 ug/L
							Copper	10000 ug/L
							Lead	10000 ug/L
							Manganese	10000 ug/L
							Nickel	10000 ug/L
							Sb	5000 ug/L
							Selenium	10000 ug/L
							Sn	10000 ug/L
							Sr	10000 ug/L
							Tl	5000 ug/L
							V	10000 ug/L
.ME_Zn-1st_00007	08/22/24	CPI, Lot 1216101-55			(Purchased Reagent)		Zinc	1000000 ug/L
ME_ipmsSPK_00052	12/31/24	High-Purity Standards, Lot 2333357-500			(Purchased Reagent)		Arsenic	10000 ug/L
							Barium	10000 ug/L
							Beryllium	5000 ug/L
							Cadmium	5000 ug/L
							Chromium	10000 ug/L
							Copper	10000 ug/L
							Lead	5000 ug/L
							Manganese	50000 ug/L
							Nickel	10000 ug/L
							Selenium	10000 ug/L
							Silver	5000 ug/L
							Zinc	50000 ug/L
ME_ipmsSPK_00053	05/31/25	High-Purity Standards, Lot 2414304-500			(Purchased Reagent)		Al	500000 ug/L
							Arsenic	10000 ug/L
							B	100000 ug/L
							Barium	10000 ug/L
							Beryllium	5000 ug/L
							Ca	500000 ug/L
							Cadmium	5000 ug/L
							Chromium	10000 ug/L
							Co	5000 ug/L
							Copper	10000 ug/L
							Fe	500000 ug/L
							K	500000 ug/L
							Lead	5000 ug/L
							Manganese	50000 ug/L
							Mg	500000 ug/L
							Mo	10000 ug/L
							Na	500000 ug/L
							Nickel	10000 ug/L
							Sb	5000 ug/L

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Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Selenium	10000 ug/L
							Silver	5000 ug/L
							Sn	10000 ug/L
							Sr	10000 ug/L
							Ti	10000 ug/L
							Tl	4000 ug/L
							V	10000 ug/L
							Zinc	50000 ug/L
ME_LCSS_123_00004	06/01/27		ERA, Lot D123-540		(Purchased Reagent)		Al	6780 mg/Kg
							Arsenic	311 mg/Kg
							B	229 mg/Kg
							Barium	304 mg/Kg
							Beryllium	169 mg/Kg
							Ca	5170 mg/Kg
							Cadmium	212 mg/Kg
							Chromium	180 mg/Kg
							Co	81.6 mg/Kg
							Copper	205 mg/Kg
							Fe	6510 mg/Kg
							K	1370 mg/Kg
							Lead	92.8 mg/Kg
							Manganese	531 mg/Kg
							Mercury	11.9 mg/Kg
							Mg	1700 mg/Kg
							Mo	136 mg/Kg
							Na	486 mg/Kg
							Nickel	313 mg/Kg
							Sb	127 mg/Kg
							Selenium	165 mg/Kg
							Silver	82.4 mg/Kg
							Sn	75.4 mg/Kg
							Sr	136 mg/Kg
							Ti	306 mg/Kg
							Tl	205 mg/Kg
							V	103 mg/Kg
							Zinc	166 mg/Kg
me_LR-A_00042	07/15/24	07/01/24	5%HCL:5%HNO3, Lot 11124408	500 mL	ME_As_00015	0.25 mL	Arsenic	5000 ug/L
					ME_Ba_00014	1 mL	Barium	20000 ug/L
					me_Be_00016	0.1 mL	Beryllium	2000 ug/L
					ME_Cd_00016	0.25 mL	Cadmium	5000 ug/L
					me_Cr_00019	1 mL	Chromium	20000 ug/L
					ME_Cu_00016	1 mL	Copper	20000 ug/L
					me_Mn_00018	1 mL	Manganese	20000 ug/L
					ME_Ni_00017	1 mL	Nickel	20000 ug/L
					ME_Pb_00015	1 mL	Lead	20000 ug/L
					ME_Zn_00017	1 mL	Zinc	20000 ug/L

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REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
.ME_As_00015	09/30/24		Agilent, Lot 0013387069		(Purchased Reagent)		Arsenic	10000000 ug/L
.ME_Ba_00014	08/22/24		CPI, Lot 1282477-2		(Purchased Reagent)		Barium	10000000 ug/L
.me_Be_00016	10/31/24		Agilent, Lot 0012702566		(Purchased Reagent)		Beryllium	10000000 ug/L
.ME_Cd_00016	04/18/25		Agilent, Lot 1450166		(Purchased Reagent)		Cadmium	10000000 ug/L
.me_Cr_00019	02/28/25		Agilent, Lot 0013615477		(Purchased Reagent)		Chromium	10000000 ug/L
.ME_Cu_00016	04/18/25		Agilent, Lot 1442431		(Purchased Reagent)		Copper	10000000 ug/L
.me_Mn_00018	11/30/24		Agilent, Lot 0012949942		(Purchased Reagent)		Manganese	10000000 ug/L
.ME_Ni_00017	04/18/25		Agilent, Lot 1427305		(Purchased Reagent)		Nickel	10000000 ug/L
.ME_Pb_00015	04/30/25		Agilent Technologies, Lot 0013824586		(Purchased Reagent)		Lead	10000000 ug/L
.ME_Zn_00017	02/20/25		Agilent, Lot 1410237		(Purchased Reagent)		Zinc	10000000 ug/L
me_LR-C_00006	08/30/24	05/31/24	5%HCL:5%HNO3, Lot 11124409	500 mL	ME_Ag-1st_00006	0.5 mL	Silver	1000 ug/L
					ME_Se_00017	0.15 mL	Selenium	3000 ug/L
.ME_Ag-1st_00006	04/30/25		Agilent Technologies, Lot 0133918920		(Purchased Reagent)		Silver	1000000 ug/L
.ME_Se_00017	08/31/24		Agilent, Lot 0128504011		(Purchased Reagent)		Selenium	10000000 ug/L
OP_Benzald_sp_00020	07/30/24		RESTEK, Lot A0193487		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
OP_BNA SPIK_00051	07/30/24	12/05/23	Acetone, Lot 131184	200 mL	OP_Agilent456_00007	10 mL	1,3-Dimethylnaphthalene	100 ug/mL
							2-tertbutyl-4-methylphenol	100 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	100 ug/mL
							Benzonitrile	100 ug/mL
							Carbamazepine	100 ug/mL
							Coumarin	100 ug/mL
							n,n'-Dimethylaniline	100 ug/mL
							N-Methylaniline	100 ug/mL
							Pentachloronitrobenzene	100 ug/mL
							Phenyl ether	100 ug/mL
					OP_Agilent457_00004	10 mL	Bisphenol-A	50 ug/mL
					OP_BenzAcid_00014	10 mL	Benzoic acid	100 ug/mL
							Indene	100 ug/mL
					OP_MEGA_2017_00014	20 mL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,2-Diphenylhydrazine	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1,4-Dioxane	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,2'-oxybis[1-chloropropane]	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL

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Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Methylphenol	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3 & 4 Methylphenol	100 ug/mL
							3-Methylphenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Methylphenol	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzyl alcohol	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL

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REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Hexadecane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	200 ug/mL
					OP_std #1_BNA_00013	10 mL	3,3'-Dichlorobenzidine	100 ug/mL
							Benzidine	100 ug/mL
.OP_Agilent456_00007	12/31/24		Agilent, Lot 6715186		(Purchased Reagent)		1,3-Dimethylnaphthalene	2000 ug/mL
							2-tertbutyl-4-methylphenol	2000 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	2000 ug/mL
							Benzonitrile	2000 ug/mL
							Carbamazepine	2000 ug/mL
							Coumarin	2000 ug/mL
							n,n'-Dimethylaniline	2000 ug/mL
							N-Methylaniline	2000 ug/mL
							Pentachloronitrobenzene	2000 ug/mL
							Phenyl ether	2000 ug/mL
.OP_Agilent457_00004	12/31/24		Agilent, Lot 6715838		(Purchased Reagent)		Bisphenol-A	1000 ug/mL
.OP_BenzAcid_00014	07/30/24		Restek, Lot A0193718		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
.OP_MEGA_2017_00014	05/31/25		Restek, Lot A0204755		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL

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Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL

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REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
.OP_std #1_BNA_00013	08/31/24		Restek, Lot A0194453		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
OP_BNASurroga_00029	10/30/24	04/23/24	Acetone, Lot 23H2462011	1000 mL	OP_BNA_SURR_00012	20 mL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14 (Surr)	100 ug/mL
.OP_BNA_SURR_00012	12/31/24		Agilent, Lot 6715760		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
SM_ISTD_00197	10/31/26		Agilent, Lot 0006760251		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
SMDFTP_CH_00036							4,4'-DDD	
							4,4'-DDE	
							Tentatively Identified Compound	

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Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					SMDFTTP_CH_00021	2.5 mL	4,4'-DDT	25 ug/mL
							Benzidine_T	25 ug/mL
							DFTPP	25 ug/mL
							Pentachlorophenol_T	25 ug/mL
.SMDFTTP_CH_00021	07/31/26		Restek, Lot A0200028		(Purchased Reagent)		4,4'-DDT	1000 ug/mL
							Benzidine_T	1000 ug/mL
							DFTPP	1000 ug/mL
							Pentachlorophenol_T	1000 ug/mL
SV_BNA_ICV_00010	08/07/24	08/07/23	MeCl2, Lot 2662005	25 mL	SM_ISTD_00196	500 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
.SM_ISTD_00196	08/31/24		Agilent, Lot 6627459		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
SV_BNA_ICV_00010	08/07/24	08/07/23	MeCl2, Lot 2662005	25 mL	SM_STD1meg2nd_00006	1250 uL	1,4-Dioxane	50 ug/mL
							2-Methylphenol	50 ug/mL
							3 & 4 Methylphenol	50 ug/mL
							Acenaphthene	50 ug/mL
							Acenaphthylene	50 ug/mL
							Anthracene	50 ug/mL
							Benzo[a]anthracene	50 ug/mL
							Benzo[a]pyrene	50 ug/mL
							Benzo[b]fluoranthene	50 ug/mL
							Benzo[g,h,i]perylene	50 ug/mL
							Benzo[k]fluoranthene	50 ug/mL
							Chrysene	50 ug/mL
							Dibenz(a,h)anthracene	50 ug/mL
							Dibenzofuran	50 ug/mL
							Fluoranthene	50 ug/mL
							Fluorene	50 ug/mL
							Hexachlorobenzene	50 ug/mL
							Indeno[1,2,3-cd]pyrene	50 ug/mL
							Naphthalene	50 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenanthrene	50 ug/mL
							Phenol	50 ug/mL
							Pyrene	50 ug/mL
.SM_STD1meg2nd_00006	10/30/24		RESTEK, Lot A0190451		(Purchased Reagent)		1,4-Dioxane	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							Acenaphthene	1000 ug/mL

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REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
SV_BNA_L1_00006	03/28/25	03/28/24	MeCl2, Lot 762001	50 mL	SM_8270_surr_00014	5 uL	2-Fluorobiphenyl	0.5 ug/mL
							Nitrobenzene-d5 (Surr)	0.5 ug/mL
							Phenol-d5 (Surr)	0.5 ug/mL
							Terphenyl-d14 (Surr)	0.5 ug/mL
					SM_8270cusmix_00005	12.5 uL	n,n'-Dimethylaniline	0.5 ug/mL
					SM_ISTD_00197	1000 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
					SM_STD#1mega_00026	25 uL	1,2,4-Trichlorobenzene	0.5 ug/mL
							1,4-Dioxane	0.5 ug/mL
							Benzo[a]anthracene	0.5 ug/mL
							Benzo[a]pyrene	0.5 ug/mL
							Benzo[b]fluoranthene	0.5 ug/mL
							Benzo[g,h,i]perylene	0.5 ug/mL
							Benzo[k]fluoranthene	0.5 ug/mL
							Bis(2-chloroethyl)ether	0.5 ug/mL
							Dibenz(a,h)anthracene	0.5 ug/mL
							Hexachlorobenzene	0.5 ug/mL
							Hexachloroethane	0.5 ug/mL
							Indeno[1,2,3-cd]pyrene	0.5 ug/mL
							N-Nitrosodi-n-propylamine	0.5 ug/mL
							Nitrobenzene	0.5 ug/mL
.SM_8270_surr_00014	10/31/25		Agilent, Lot 0006910257		(Purchased Reagent)		2-Fluorobiphenyl	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL

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REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Terphenyl-d14 (Surr)	5000 ug/mL
.SM_8270cusmix_00005	11/30/25		Agilent, Lot 0006767192		(Purchased Reagent)		n,n'-Dimethylaniline	2000 ug/mL
.SM_ISTD_00197	10/31/26		Agilent, Lot 0006760251		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SM_STD#1mega_00026	05/30/25		RESTEK, Lot A0204755		(Purchased Reagent)		1,2,4-Trichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							Nitrobenzene	1000 ug/mL
SV_BNA_L2_00006	03/28/25	03/28/24	MeCl2, Lot 762001	50 mL	SM_8270_surr_00014	10 uL	2,4,6-Tribromophenol (Surr)	1 ug/mL
							2-Fluorobiphenyl	1 ug/mL
							2-Fluorophenol (Surr)	1 ug/mL
							Nitrobenzene-d5 (Surr)	1 ug/mL
							Phenol-d5 (Surr)	1 ug/mL
							Terphenyl-d14 (Surr)	1 ug/mL
					SM_8270cusmix_00005	25 uL	n,n'-Dimethylaniline	1 ug/mL
					SM_ISTD_00197	1000 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
					SM_std #11BNA_00022	25 uL	Atrazine	1 ug/mL
							Benzaldehyde	1 ug/mL
							Caprolactam	1 ug/mL
					SM_STD#1mega_00026	50 uL	1,2,4-Trichlorobenzene	1 ug/mL
							1,4-Dioxane	1 ug/mL
							2,4-Dinitrotoluene	1 ug/mL
							2,6-Dinitrotoluene	1 ug/mL
							Benzo[a]anthracene	1 ug/mL
							Benzo[a]pyrene	1 ug/mL
							Benzo[b]fluoranthene	1 ug/mL
							Benzo[g,h,i]perylene	1 ug/mL
							Benzo[k]fluoranthene	1 ug/mL

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REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-chloroethyl)ether	1 ug/mL
							Dibenz(a,h)anthracene	1 ug/mL
							Hexachlorobenzene	1 ug/mL
							Hexachlorobutadiene	1 ug/mL
							Hexachloroethane	1 ug/mL
							Indeno[1,2,3-cd]pyrene	1 ug/mL
							N-Nitrosodi-n-propylamine	1 ug/mL
							Nitrobenzene	1 ug/mL
							Pyridine	2 ug/mL
.SM_8270_surr_00014	10/31/25		Agilent, Lot 0006910257		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
.SM_8270cusmix_00005	11/30/25		Agilent, Lot 0006767192		(Purchased Reagent)		n,n'-Dimethylaniline	2000 ug/mL
.SM_ISTD_00197	10/31/26		Agilent, Lot 0006760251		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SM_std #11BNA_00022	07/31/25		restek, Lot A0200906		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.SM_STD#1mega_00026	05/30/25		RESTEK, Lot A0204755		(Purchased Reagent)		1,2,4-Trichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pyridine	2000 ug/mL
SV_BNA_L3_00006	03/28/25	03/28/24	MeCl2, Lot 762001	25 mL	SM_8270_surr_00014	10 uL	2,4,6-Tribromophenol (Surr)	2 ug/mL
							2-Fluorobiphenyl	2 ug/mL
							2-Fluorophenol (Surr)	2 ug/mL
							Nitrobenzene-d5 (Surr)	2 ug/mL

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REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenol-d5 (Surr)	2 ug/mL
							Terphenyl-d14 (Surr)	2 ug/mL
					SM_8270cusmix_00005	25 uL	n,n'-Dimethylaniline	2 ug/mL
					SM_ISTD_00197	500 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
					SM_std #11BNA_00022	25 uL	Atrazine	2 ug/mL
							Benzaldehyde	2 ug/mL
							Caprolactam	2 ug/mL
					SM_std #9BNA_00024	25 uL	3,3'-Dichlorobenzidine	2 ug/mL
					SM_STD#1mega_00026	50 uL	1,2,4-Trichlorobenzene	2 ug/mL
							1,4-Dioxane	2 ug/mL
							2,4,6-Trichlorophenol	2 ug/mL
							2,4-Dichlorophenol	2 ug/mL
							2,4-Dinitrophenol	4 ug/mL
							2,4-Dinitrotoluene	2 ug/mL
							2,6-Dichlorophenol	2 ug/mL
							2,6-Dinitrotoluene	2 ug/mL
							4,6-Dinitro-2-methylphenol	4 ug/mL
							Benzo[a]anthracene	2 ug/mL
							Benzo[a]pyrene	2 ug/mL
							Benzo[b]fluoranthene	2 ug/mL
							Benzo[g,h,i]perylene	2 ug/mL
							Benzo[k]fluoranthene	2 ug/mL
							Bis(2-chloroethyl)ether	2 ug/mL
							Di-n-butyl phthalate	2 ug/mL
							Dibenz(a,h)anthracene	2 ug/mL
							Hexachlorobenzene	2 ug/mL
							Hexachlorobutadiene	2 ug/mL
							Hexachloroethane	2 ug/mL
							Indeno[1,2,3-cd]pyrene	2 ug/mL
							Isophorone	2 ug/mL
							N-Nitrosodi-n-propylamine	2 ug/mL
							Nitrobenzene	2 ug/mL
							Pentachlorophenol	4 ug/mL
							Pyridine	4 ug/mL
.SM_8270_surr_00014	10/31/25		Agilent, Lot 0006910257		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
.SM_8270cusmix_00005	11/30/25		Agilent, Lot 0006767192		(Purchased Reagent)		n,n'-Dimethylaniline	2000 ug/mL
.SM_ISTD_00197	10/31/26		Agilent, Lot 0006760251		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL

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REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SM_std #11BNA_00022	07/31/25		restek, Lot A0200906		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.SM_std #9BNA_00024	03/30/25		restek, Lot A0201346		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
.SM_STD#1mega_00026	05/30/25		RESTEK, Lot A0204755		(Purchased Reagent)		1,2,4-Trichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Pyridine	2000 ug/mL
SV_BNA_L4_00006	03/28/25	03/28/24	MeCl2, Lot 762001	25 mL	SM-BenzAcid_00020	62.5 uL	Benzoic acid	5 ug/mL
					SM_8270_surr_00014	25 uL	2,4,6-Tribromophenol (Surr)	5 ug/mL
							2-Fluorobiphenyl	5 ug/mL
							2-Fluorophenol (Surr)	5 ug/mL
							Nitrobenzene-d5 (Surr)	5 ug/mL
							Phenol-d5 (Surr)	5 ug/mL
							Terphenyl-d14 (Surr)	5 ug/mL
					SM_8270cusmix_00005	62.5 uL	1,3-Dimethylnaphthalene	5 ug/mL
							2-tertbutyl-4-methylphenol	5 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	5 ug/mL
							Carbamazepine	5 ug/mL
							Coumarin	5 ug/mL

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Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							n,n'-Dimethylaniline	5 ug/mL
							N-Methylaniline	5 ug/mL
							Pentachloronitrobenzene	5 ug/mL
							Phenyl ether	5 ug/mL
					SM_BPA_00020	125 uL	Bisphenol-A	5 ug/mL
					SM_ISTD_00197	500 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
					SM_std #11BNA_00022	62.5 uL	Atrazine	5 ug/mL
							Benzaldehyde	5 ug/mL
							Caprolactam	5 ug/mL
					SM_std #9BNA_00024	62.5 uL	3,3'-Dichlorobenzidine	5 ug/mL
							Benzidine	5 ug/mL
					SM_STD#1mega_00026	125 uL	1,1'-Biphenyl	5 ug/mL
							1,2,4,5-Tetrachlorobenzene	5 ug/mL
							1,2,4-Trichlorobenzene	5 ug/mL
							1,2-Dichlorobenzene	5 ug/mL
							1,2-Diphenylhydrazine	5 ug/mL
							1,3-Dichlorobenzene	5 ug/mL
							1,4-Dichlorobenzene	5 ug/mL
							1,4-Dioxane	5 ug/mL
							1-Methylnaphthalene	5 ug/mL
							2,2'-oxybis[1-chloropropane]	5 ug/mL
							2,3,4,6-Tetrachlorophenol	5 ug/mL
							2,4,5-Trichlorophenol	5 ug/mL
							2,4,6-Trichlorophenol	5 ug/mL
							2,4-Dichlorophenol	5 ug/mL
							2,4-Dimethylphenol	5 ug/mL
							2,4-Dinitrophenol	10 ug/mL
							2,4-Dinitrotoluene	5 ug/mL
							2,6-Dichlorophenol	5 ug/mL
							2,6-Dinitrotoluene	5 ug/mL
							2-Chloronaphthalene	5 ug/mL
							2-Chlorophenol	5 ug/mL
							2-Methylnaphthalene	5 ug/mL
							2-Methylphenol	5 ug/mL
							2-Nitroaniline	5 ug/mL
							2-Nitrophenol	5 ug/mL
							3 & 4 Methylphenol	5 ug/mL
							3-Nitroaniline	5 ug/mL
							4,6-Dinitro-2-methylphenol	10 ug/mL
							4-Bromophenyl phenyl ether	5 ug/mL
							4-Chloro-3-methylphenol	5 ug/mL
							4-Chloroaniline	5 ug/mL

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Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Chlorophenyl phenyl ether	5 ug/mL
							4-Methylphenol	5 ug/mL
							4-Nitroaniline	5 ug/mL
							4-Nitrophenol	10 ug/mL
							Acenaphthene	5 ug/mL
							Acenaphthylene	5 ug/mL
							Acetophenone	5 ug/mL
							Aniline	5 ug/mL
							Anthracene	5 ug/mL
							Azobenzene	5 ug/mL
							Benzo[a]anthracene	5 ug/mL
							Benzo[a]pyrene	5 ug/mL
							Benzo[b]fluoranthene	5 ug/mL
							Benzo[g,h,i]perylene	5 ug/mL
							Benzo[k]fluoranthene	5 ug/mL
							Benzyl alcohol	5 ug/mL
							Bis(2-chloroethoxy)methane	5 ug/mL
							Bis(2-chloroethyl)ether	5 ug/mL
							Bis(2-ethylhexyl) phthalate	5 ug/mL
							Butyl benzyl phthalate	5 ug/mL
							Carbazole	5 ug/mL
							Chrysene	5 ug/mL
							Di-n-butyl phthalate	5 ug/mL
							Di-n-octyl phthalate	5 ug/mL
							Dibenz(a,h)anthracene	5 ug/mL
							Dibenzofuran	5 ug/mL
							Diethyl phthalate	5 ug/mL
							Dimethyl phthalate	5 ug/mL
							Fluoranthene	5 ug/mL
							Fluorene	5 ug/mL
							Hexachlorobenzene	5 ug/mL
							Hexachlorobutadiene	5 ug/mL
							Hexachlorocyclopentadiene	5 ug/mL
							Hexachloroethane	5 ug/mL
							Indeno[1,2,3-cd]pyrene	5 ug/mL
							Isophorone	5 ug/mL
							n-Decane	5 ug/mL
							N-Nitrosodi-n-propylamine	5 ug/mL
							N-Nitrosodimethylamine	5 ug/mL
							N-Nitrosodiphenylamine	5 ug/mL
							n-Octadecane	5 ug/mL
							Naphthalene	5 ug/mL
							Nitrobenzene	5 ug/mL
							Pentachlorophenol	10 ug/mL
							Phenanthrene	5 ug/mL
							Phenol	5 ug/mL
							Pyrene	5 ug/mL

DRAFT

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pyridine	10 ug/mL
.SM-BenzAcid_00020	09/30/25		Restek, Lot A0209261		(Purchased Reagent)		Benzoic acid	2000 ug/mL
.SM_8270_surr_00014	10/31/25		Agilent, Lot 0006910257		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
.SM_8270cusmix_00005	11/30/25		Agilent, Lot 0006767192		(Purchased Reagent)		1,3-Dimethylnaphthalene	2000 ug/mL
							2-tertbutyl-4-methylphenol	2000 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	2000 ug/mL
							Carbamazepine	2000 ug/mL
							Coumarin	2000 ug/mL
							n,n'-Dimethylaniline	2000 ug/mL
							N-Methylaniline	2000 ug/mL
							Pentachloronitrobenzene	2000 ug/mL
							Phenyl ether	2000 ug/mL
.SM_BPA_00020	11/30/25		Agilent, Lot 0006767004		(Purchased Reagent)		Bisphenol-A	1000 ug/mL
.SM_ISTD_00197	10/31/26		Agilent, Lot 0006760251		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SM_std #11BNA_00022	07/31/25		restek, Lot A0200906		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.SM_std #9BNA_00024	03/30/25		restek, Lot A0201346		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
.SM_STD#1mega_00026	05/30/25		RESTEK, Lot A0204755		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL

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Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL

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Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
SV_BNA_L5_00006	03/28/25	03/28/24	MeCl2, Lot 762001	25 mL	SM-BenzAcid_00020	125 uL	Benzoic acid	10 ug/mL
					SM_8270_surr_00014	50 uL	2,4,6-Tribromophenol (Surr)	10 ug/mL
							2-Fluorobiphenyl	10 ug/mL
							2-Fluorophenol (Surr)	10 ug/mL
							Nitrobenzene-d5 (Surr)	10 ug/mL
							Phenol-d5 (Surr)	10 ug/mL
							Terphenyl-d14 (Surr)	10 ug/mL
					SM_8270cusmix_00005	125 uL	1,3-Dimethylnaphthalene	10 ug/mL
							2-tertbutyl-4-methylphenol	10 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	10 ug/mL
							Carbamazepine	10 ug/mL
							Coumarin	10 ug/mL
							n,n'-Dimethylaniline	10 ug/mL
							N-Methylaniline	10 ug/mL
							Pentachloronitrobenzene	10 ug/mL
							Phenyl ether	10 ug/mL
					SM_BPA_00020	250 uL	Bisphenol-A	10 ug/mL
					SM_ISTD_00197	500 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
					SM_std #11BNA_00022	125 uL	Atrazine	10 ug/mL
							Benzaldehyde	10 ug/mL
							Caprolactam	10 ug/mL
					SM_std #9BNA_00024	125 uL	3,3'-Dichlorobenzidine	10 ug/mL
							Benzidine	10 ug/mL
					SM_STD#1mega_00026	250 uL	1,1'-Biphenyl	10 ug/mL
							1,2,4,5-Tetrachlorobenzene	10 ug/mL
							1,2,4-Trichlorobenzene	10 ug/mL
							1,2-Dichlorobenzene	10 ug/mL
							1,2-Diphenylhydrazine	10 ug/mL

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REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,3-Dichlorobenzene	10 ug/mL
							1,4-Dichlorobenzene	10 ug/mL
							1,4-Dioxane	10 ug/mL
							1-Methylnaphthalene	10 ug/mL
							2,2'-oxybis[1-chloropropane]	10 ug/mL
							2,3,4,6-Tetrachlorophenol	10 ug/mL
							2,4,5-Trichlorophenol	10 ug/mL
							2,4,6-Trichlorophenol	10 ug/mL
							2,4-Dichlorophenol	10 ug/mL
							2,4-Dimethylphenol	10 ug/mL
							2,4-Dinitrophenol	20 ug/mL
							2,4-Dinitrotoluene	10 ug/mL
							2,6-Dichlorophenol	10 ug/mL
							2,6-Dinitrotoluene	10 ug/mL
							2-Chloronaphthalene	10 ug/mL
							2-Chlorophenol	10 ug/mL
							2-Methylnaphthalene	10 ug/mL
							2-Methylphenol	10 ug/mL
							2-Nitroaniline	10 ug/mL
							2-Nitrophenol	10 ug/mL
							3 & 4 Methylphenol	10 ug/mL
							3-Nitroaniline	10 ug/mL
							4,6-Dinitro-2-methylphenol	20 ug/mL
							4-Bromophenyl phenyl ether	10 ug/mL
							4-Chloro-3-methylphenol	10 ug/mL
							4-Chloroaniline	10 ug/mL
							4-Chlorophenyl phenyl ether	10 ug/mL
							4-Methylphenol	10 ug/mL
							4-Nitroaniline	10 ug/mL
							4-Nitrophenol	20 ug/mL
							Acenaphthene	10 ug/mL
							Acenaphthylene	10 ug/mL
							Acetophenone	10 ug/mL
							Aniline	10 ug/mL
							Anthracene	10 ug/mL
							Azobenzene	10 ug/mL
							Benzo[a]anthracene	10 ug/mL
							Benzo[a]pyrene	10 ug/mL
							Benzo[b]fluoranthene	10 ug/mL
							Benzo[g,h,i]perylene	10 ug/mL
							Benzo[k]fluoranthene	10 ug/mL
							Benzyl alcohol	10 ug/mL
							Bis(2-chloroethoxy)methane	10 ug/mL
							Bis(2-chloroethyl)ether	10 ug/mL
							Bis(2-ethylhexyl) phthalate	10 ug/mL
							Butyl benzyl phthalate	10 ug/mL
							Carbazole	10 ug/mL

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Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Chrysene	10 ug/mL
							Di-n-butyl phthalate	10 ug/mL
							Di-n-octyl phthalate	10 ug/mL
							Dibenz(a,h)anthracene	10 ug/mL
							Dibenzofuran	10 ug/mL
							Diethyl phthalate	10 ug/mL
							Dimethyl phthalate	10 ug/mL
							Fluoranthene	10 ug/mL
							Fluorene	10 ug/mL
							Hexachlorobenzene	10 ug/mL
							Hexachlorobutadiene	10 ug/mL
							Hexachlorocyclopentadiene	10 ug/mL
							Hexachloroethane	10 ug/mL
							Indeno[1,2,3-cd]pyrene	10 ug/mL
							Isophorone	10 ug/mL
							n-Decane	10 ug/mL
							N-Nitrosodi-n-propylamine	10 ug/mL
							N-Nitrosodimethylamine	10 ug/mL
							N-Nitrosodiphenylamine	10 ug/mL
							n-Octadecane	10 ug/mL
							Naphthalene	10 ug/mL
							Nitrobenzene	10 ug/mL
							Pentachlorophenol	20 ug/mL
							Phenanthrene	10 ug/mL
							Phenol	10 ug/mL
							Pyrene	10 ug/mL
							Pyridine	20 ug/mL
.SM-BenzAcid_00020	09/30/25		Restek, Lot A0209261		(Purchased Reagent)		Benzoic acid	2000 ug/mL
.SM_8270_surr_00014	10/31/25		Agilent, Lot 0006910257		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
.SM_8270cusmix_00005	11/30/25		Agilent, Lot 0006767192		(Purchased Reagent)		1,3-Dimethylnaphthalene	2000 ug/mL
							2-tertbutyl-4-methylphenol	2000 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	2000 ug/mL
							Carbamazepine	2000 ug/mL
							Coumarin	2000 ug/mL
							n,n'-Dimethylaniline	2000 ug/mL
							N-Methylaniline	2000 ug/mL
							Pentachloronitrobenzene	2000 ug/mL
							Phenyl ether	2000 ug/mL
.SM_BPA_00020	11/30/25		Agilent, Lot 0006767004		(Purchased Reagent)		Bisphenol-A	1000 ug/mL
.SM_ISTD_00197	10/31/26		Agilent, Lot 0006760251		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL

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REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SM_std #11BNA_00022	07/31/25		restek, Lot A0200906		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.SM_std #9BNA_00024	03/30/25		restek, Lot A0201346		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
.SM_STD#1mega_00026	05/30/25		RESTEK, Lot A0204755		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL

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Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
SV_BNA_L6_00006	03/28/25	03/28/24	MeCl2, Lot 762001	25 mL	SM-BenzAcid_00020	250 uL	Benzoic acid	20 ug/mL
					SM_8270_surr_00014	100 uL	2,4,6-Tribromophenol (Surr)	20 ug/mL
							2-Fluorobiphenyl	20 ug/mL
							2-Fluorophenol (Surr)	20 ug/mL
							Nitrobenzene-d5 (Surr)	20 ug/mL
							Phenol-d5 (Surr)	20 ug/mL
							Terphenyl-d14 (Surr)	20 ug/mL

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Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					SM_8270cusmix_00005	250 uL	1,3-Dimethylnaphthalene	20 ug/mL
							2-tertbutyl-4-methylphenol	20 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	20 ug/mL
							Carbamazepine	20 ug/mL
							Coumarin	20 ug/mL
							n,n'-Dimethylaniline	20 ug/mL
							N-Methylaniline	20 ug/mL
							Pentachloronitrobenzene	20 ug/mL
							Phenyl ether	20 ug/mL
					SM_BPA_00020	500 uL	Bisphenol-A	20 ug/mL
					SM_ISTD_00197	500 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
					SM_std #11BNA_00022	200 uL	Atrazine	16 ug/mL
							Benzaldehyde	16 ug/mL
							Caprolactam	16 ug/mL
					SM_std #9BNA_00024	250 uL	3,3'-Dichlorobenzidine	20 ug/mL
							Benzidine	20 ug/mL
					SM_STD#1mega_00026	500 uL	1,1'-Biphenyl	20 ug/mL
							1,2,4,5-Tetrachlorobenzene	20 ug/mL
							1,2,4-Trichlorobenzene	20 ug/mL
							1,2-Dichlorobenzene	20 ug/mL
							1,2-Diphenylhydrazine	20 ug/mL
							1,3-Dichlorobenzene	20 ug/mL
							1,4-Dichlorobenzene	20 ug/mL
							1,4-Dioxane	20 ug/mL
							1-Methylnaphthalene	20 ug/mL
							2,2'-oxybis[1-chloropropane]	20 ug/mL
							2,3,4,6-Tetrachlorophenol	20 ug/mL
							2,4,5-Trichlorophenol	20 ug/mL
							2,4,6-Trichlorophenol	20 ug/mL
							2,4-Dichlorophenol	20 ug/mL
							2,4-Dimethylphenol	20 ug/mL
							2,4-Dinitrophenol	40 ug/mL
							2,4-Dinitrotoluene	20 ug/mL
							2,6-Dichlorophenol	20 ug/mL
							2,6-Dinitrotoluene	20 ug/mL
							2-Chloronaphthalene	20 ug/mL
							2-Chlorophenol	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							2-Methylphenol	20 ug/mL
							2-Nitroaniline	20 ug/mL
							2-Nitrophenol	20 ug/mL
							3 & 4 Methylphenol	20 ug/mL

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Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3-Nitroaniline	20 ug/mL
							4,6-Dinitro-2-methylphenol	40 ug/mL
							4-Bromophenyl phenyl ether	20 ug/mL
							4-Chloro-3-methylphenol	20 ug/mL
							4-Chloroaniline	20 ug/mL
							4-Chlorophenyl phenyl ether	20 ug/mL
							4-Methylphenol	20 ug/mL
							4-Nitroaniline	20 ug/mL
							4-Nitrophenol	40 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Acetophenone	20 ug/mL
							Aniline	20 ug/mL
							Anthracene	20 ug/mL
							Azobenzene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Benzyl alcohol	20 ug/mL
							Bis(2-chloroethoxy)methane	20 ug/mL
							Bis(2-chloroethyl)ether	20 ug/mL
							Bis(2-ethylhexyl) phthalate	20 ug/mL
							Butyl benzyl phthalate	20 ug/mL
							Carbazole	20 ug/mL
							Chrysene	20 ug/mL
							Di-n-butyl phthalate	20 ug/mL
							Di-n-octyl phthalate	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Dibenzofuran	20 ug/mL
							Diethyl phthalate	20 ug/mL
							Dimethyl phthalate	20 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Hexachlorobenzene	20 ug/mL
							Hexachlorobutadiene	20 ug/mL
							Hexachlorocyclopentadiene	20 ug/mL
							Hexachloroethane	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Isophorone	20 ug/mL
							n-Decane	20 ug/mL
							N-Nitrosodi-n-propylamine	20 ug/mL
							N-Nitrosodimethylamine	20 ug/mL
							N-Nitrosodiphenylamine	20 ug/mL
							n-Octadecane	20 ug/mL
							Naphthalene	20 ug/mL

DRAFT

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Nitrobenzene	20 ug/mL
							Pentachlorophenol	40 ug/mL
							Phenanthrene	20 ug/mL
							Phenol	20 ug/mL
							Pyrene	20 ug/mL
							Pyridine	40 ug/mL
.SM-BenzAcid_00020	09/30/25		Restek, Lot A0209261		(Purchased Reagent)		Benzoic acid	2000 ug/mL
.SM_8270_surr_00014	10/31/25		Agilent, Lot 0006910257		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
.SM_8270cusmix_00005	11/30/25		Agilent, Lot 0006767192		(Purchased Reagent)		1,3-Dimethylnaphthalene	2000 ug/mL
							2-tertbutyl-4-methylphenol	2000 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	2000 ug/mL
							Carbamazepine	2000 ug/mL
							Coumarin	2000 ug/mL
							n,n'-Dimethylaniline	2000 ug/mL
							N-Methylaniline	2000 ug/mL
							Pentachloronitrobenzene	2000 ug/mL
							Phenyl ether	2000 ug/mL
.SM_BPA_00020	11/30/25		Agilent, Lot 0006767004		(Purchased Reagent)		Bisphenol-A	1000 ug/mL
.SM_ISTD_00197	10/31/26		Agilent, Lot 0006760251		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SM_std #11BNA_00022	07/31/25		restek, Lot A0200906		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.SM_std #9BNA_00024	03/30/25		restek, Lot A0201346		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
.SM_STD#1mega_00026	05/30/25		RESTEK, Lot A0204755		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL

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Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL

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Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
SV_BNA_L7_00007	03/28/25	03/28/24	MeCl2, Lot 762001	100 mL	SM-BenzAcid_00020	2500 uL	Benzoic acid	50 ug/mL
					SM_8270_surr_00014	1000 uL	2,4,6-Tribromophenol (Surr)	50 ug/mL
							2-Fluorobiphenyl	50 ug/mL
							2-Fluorophenol (Surr)	50 ug/mL
							Nitrobenzene-d5 (Surr)	50 ug/mL
							Phenol-d5 (Surr)	50 ug/mL
							Terphenyl-d14 (Surr)	50 ug/mL
					SM_8270cusmix_00005	2500 uL	1,3-Dimethylnaphthalene	50 ug/mL
							2-tertbutyl-4-methylphenol	50 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	50 ug/mL
							Carbamazepine	50 ug/mL
							Coumarin	50 ug/mL
							n,n'-Dimethylaniline	50 ug/mL
							N-Methylaniline	50 ug/mL
							Pentachloronitrobenzene	50 ug/mL
							Phenyl ether	50 ug/mL
					SM_BPA_00020	5000 uL	Bisphenol-A	50 ug/mL
					SM_ISTD_00197	2000 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
					SM_std #11BNA_00022	1000 uL	Atrazine	20 ug/mL
							Benzaldehyde	20 ug/mL
							Caprolactam	20 ug/mL
					SM_std #9BNA_00024	2500 uL	3,3'-Dichlorobenzidine	50 ug/mL
							Benzidine	50 ug/mL

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Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					SM_STD#1mega_00026	5000 uL	1,1'-Biphenyl	50 ug/mL
							1,2,4,5-Tetrachlorobenzene	50 ug/mL
							1,2,4-Trichlorobenzene	50 ug/mL
							1,2-Dichlorobenzene	50 ug/mL
							1,2-Diphenylhydrazine	50 ug/mL
							1,3-Dichlorobenzene	50 ug/mL
							1,4-Dichlorobenzene	50 ug/mL
							1,4-Dioxane	50 ug/mL
							1-Methylnaphthalene	50 ug/mL
							2,2'-oxybis[1-chloropropane]	50 ug/mL
							2,3,4,6-Tetrachlorophenol	50 ug/mL
							2,4,5-Trichlorophenol	50 ug/mL
							2,4,6-Trichlorophenol	50 ug/mL
							2,4-Dichlorophenol	50 ug/mL
							2,4-Dimethylphenol	50 ug/mL
							2,4-Dinitrophenol	100 ug/mL
							2,4-Dinitrotoluene	50 ug/mL
							2,6-Dichlorophenol	50 ug/mL
							2,6-Dinitrotoluene	50 ug/mL
							2-Chloronaphthalene	50 ug/mL
							2-Chlorophenol	50 ug/mL
							2-Methylnaphthalene	50 ug/mL
							2-Methylphenol	50 ug/mL
							2-Nitroaniline	50 ug/mL
							2-Nitrophenol	50 ug/mL
							3 & 4 Methylphenol	50 ug/mL
							3-Nitroaniline	50 ug/mL
							4,6-Dinitro-2-methylphenol	100 ug/mL
							4-Bromophenyl phenyl ether	50 ug/mL
							4-Chloro-3-methylphenol	50 ug/mL
							4-Chloroaniline	50 ug/mL
							4-Chlorophenyl phenyl ether	50 ug/mL
							4-Methylphenol	50 ug/mL
							4-Nitroaniline	50 ug/mL
							4-Nitrophenol	100 ug/mL
							Acenaphthene	50 ug/mL
							Acenaphthylene	50 ug/mL
							Acetophenone	50 ug/mL
							Aniline	50 ug/mL
							Anthracene	50 ug/mL
							Azobenzene	50 ug/mL
							Benzo[a]anthracene	50 ug/mL
							Benzo[a]pyrene	50 ug/mL
							Benzo[b]fluoranthene	50 ug/mL
							Benzo[g,h,i]perylene	50 ug/mL
							Benzo[k]fluoranthene	50 ug/mL
							Benzyl alcohol	50 ug/mL

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Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-chloroethoxy)methane	50 ug/mL
							Bis(2-chloroethyl)ether	50 ug/mL
							Bis(2-ethylhexyl) phthalate	50 ug/mL
							Butyl benzyl phthalate	50 ug/mL
							Carbazole	50 ug/mL
							Chrysene	50 ug/mL
							Di-n-butyl phthalate	50 ug/mL
							Di-n-octyl phthalate	50 ug/mL
							Dibenz(a,h)anthracene	50 ug/mL
							Dibenzofuran	50 ug/mL
							Diethyl phthalate	50 ug/mL
							Dimethyl phthalate	50 ug/mL
							Fluoranthene	50 ug/mL
							Fluorene	50 ug/mL
							Hexachlorobenzene	50 ug/mL
							Hexachlorobutadiene	50 ug/mL
							Hexachlorocyclopentadiene	50 ug/mL
							Hexachloroethane	50 ug/mL
							Indeno[1,2,3-cd]pyrene	50 ug/mL
							Isophorone	50 ug/mL
							n-Decane	50 ug/mL
							N-Nitrosodi-n-propylamine	50 ug/mL
							N-Nitrosodimethylamine	50 ug/mL
							N-Nitrosodiphenylamine	50 ug/mL
							n-Octadecane	50 ug/mL
							Naphthalene	50 ug/mL
							Nitrobenzene	50 ug/mL
							Pentachlorophenol	100 ug/mL
							Phenanthrene	50 ug/mL
							Phenol	50 ug/mL
							Pyrene	50 ug/mL
							Pyridine	100 ug/mL
					SM_TCDD_00016	1000 uL	2,3,7,8-TCDD	0.5 ug/mL
.SM-BenzAcid_00020	09/30/25		Restek, Lot A0209261		(Purchased Reagent)		Benzoic acid	2000 ug/mL
.SM_8270_surr_00014	10/31/25		Agilent, Lot 0006910257		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
.SM_8270cusmix_00005	11/30/25		Agilent, Lot 0006767192		(Purchased Reagent)		1,3-Dimethylnaphthalene	2000 ug/mL
							2-tertbutyl-4-methylphenol	2000 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	2000 ug/mL
							Carbamazepine	2000 ug/mL
							Coumarin	2000 ug/mL
							n,n'-Dimethylaniline	2000 ug/mL
							N-Methylaniline	2000 ug/mL

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REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachloronitrobenzene	2000 ug/mL
							Phenyl ether	2000 ug/mL
.SM_BPA_00020	11/30/25		Agilent, Lot 0006767004		(Purchased Reagent)		Bisphenol-A	1000 ug/mL
.SM_ISTD_00197	10/31/26		Agilent, Lot 0006760251		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SM_std #11BNA_00022	07/31/25		restek, Lot A0200906		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.SM_std #9BNA_00024	03/30/25		restek, Lot A0201346		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
.SM_STD#1mega_00026	05/30/25		RESTEK, Lot A0204755		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL

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REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
.SM_TCDD_00016	03/31/28	Spex CertiPrep, Lot AA201542801			(Purchased Reagent)		2,3,7,8-TCDD	50 ug/mL

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Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
SV_BNA_L8_00006	03/28/25	03/28/24	MeCl2, Lot 762001	25 mL	SM-BenzAcid_00020	1000 uL	Benzoic acid	80 ug/mL
					SM_8270_surr_00014	400 uL	2,4,6-Tribromophenol (Surr)	80 ug/mL
							2-Fluorobiphenyl	80 ug/mL
							2-Fluorophenol (Surr)	80 ug/mL
							Nitrobenzene-d5 (Surr)	80 ug/mL
							Phenol-d5 (Surr)	80 ug/mL
							Terphenyl-d14 (Surr)	80 ug/mL
					SM_8270cusmix_00005	1000 uL	1,3-Dimethylnaphthalene	80 ug/mL
							2-tertbutyl-4-methylphenol	80 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	80 ug/mL
							Carbamazepine	80 ug/mL
							Coumarin	80 ug/mL
							n,n'-Dimethylaniline	80 ug/mL
							N-Methylaniline	80 ug/mL
							Pentachloronitrobenzene	80 ug/mL
							Phenyl ether	80 ug/mL
					SM_BPA_00020	2000 uL	Bisphenol-A	80 ug/mL
					SM_ISTD_00197	500 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
					SM_std #11BNA_00022	300 uL	Atrazine	24 ug/mL
							Benzaldehyde	24 ug/mL
							Caprolactam	24 ug/mL
					SM_std #9BNA_00024	1000 uL	3,3'-Dichlorobenzidine	80 ug/mL
							Benzidine	80 ug/mL
					SM_STD#1mega_00026	2000 uL	1,1'-Biphenyl	80 ug/mL
							1,2,4,5-Tetrachlorobenzene	80 ug/mL
							1,2,4-Trichlorobenzene	80 ug/mL
							1,2-Dichlorobenzene	80 ug/mL
							1,2-Diphenylhydrazine	80 ug/mL
							1,3-Dichlorobenzene	80 ug/mL
							1,4-Dichlorobenzene	80 ug/mL
							1,4-Dioxane	80 ug/mL
							1-Methylnaphthalene	80 ug/mL
							2,2'-oxybis[1-chloropropane]	80 ug/mL
							2,3,4,6-Tetrachlorophenol	80 ug/mL
							2,4,5-Trichlorophenol	80 ug/mL
							2,4,6-Trichlorophenol	80 ug/mL
							2,4-Dichlorophenol	80 ug/mL
							2,4-Dimethylphenol	80 ug/mL
							2,4-Dinitrophenol	160 ug/mL
							2,4-Dinitrotoluene	80 ug/mL
							2,6-Dichlorophenol	80 ug/mL
							2,6-Dinitrotoluene	80 ug/mL

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Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Chloronaphthalene	80 ug/mL
							2-Chlorophenol	80 ug/mL
							2-Methylnaphthalene	80 ug/mL
							2-Methylphenol	80 ug/mL
							2-Nitroaniline	80 ug/mL
							2-Nitrophenol	80 ug/mL
							3 & 4 Methylphenol	80 ug/mL
							3-Nitroaniline	80 ug/mL
							4,6-Dinitro-2-methylphenol	160 ug/mL
							4-Bromophenyl phenyl ether	80 ug/mL
							4-Chloro-3-methylphenol	80 ug/mL
							4-Chloroaniline	80 ug/mL
							4-Chlorophenyl phenyl ether	80 ug/mL
							4-Methylphenol	80 ug/mL
							4-Nitroaniline	80 ug/mL
							4-Nitrophenol	160 ug/mL
							Acenaphthene	80 ug/mL
							Acenaphthylene	80 ug/mL
							Acetophenone	80 ug/mL
							Aniline	80 ug/mL
							Anthracene	80 ug/mL
							Azobenzene	80 ug/mL
							Benzo[a]anthracene	80 ug/mL
							Benzo[a]pyrene	80 ug/mL
							Benzo[b]fluoranthene	80 ug/mL
							Benzo[g,h,i]perylene	80 ug/mL
							Benzo[k]fluoranthene	80 ug/mL
							Benzyl alcohol	80 ug/mL
							Bis(2-chloroethoxy)methane	80 ug/mL
							Bis(2-chloroethyl)ether	80 ug/mL
							Bis(2-ethylhexyl) phthalate	80 ug/mL
							Butyl benzyl phthalate	80 ug/mL
							Carbazole	80 ug/mL
							Chrysene	80 ug/mL
							Di-n-butyl phthalate	80 ug/mL
							Di-n-octyl phthalate	80 ug/mL
							Dibenz(a,h)anthracene	80 ug/mL
							Dibenzofuran	80 ug/mL
							Diethyl phthalate	80 ug/mL
							Dimethyl phthalate	80 ug/mL
							Fluoranthene	80 ug/mL
							Fluorene	80 ug/mL
							Hexachlorobenzene	80 ug/mL
							Hexachlorobutadiene	80 ug/mL
							Hexachlorocyclopentadiene	80 ug/mL
							Hexachloroethane	80 ug/mL
							Indeno[1,2,3-cd]pyrene	80 ug/mL

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REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Isophorone	80 ug/mL
							n-Decane	80 ug/mL
							N-Nitrosodi-n-propylamine	80 ug/mL
							N-Nitrosodimethylamine	80 ug/mL
							N-Nitrosodiphenylamine	80 ug/mL
							n-Octadecane	80 ug/mL
							Naphthalene	80 ug/mL
							Nitrobenzene	80 ug/mL
							Pentachlorophenol	160 ug/mL
							Phenanthrene	80 ug/mL
							Phenol	80 ug/mL
							Pyrene	80 ug/mL
							Pyridine	160 ug/mL
.SM-BenzAcid_00020	09/30/25		Restek, Lot A0209261		(Purchased Reagent)		Benzoic acid	2000 ug/mL
.SM_8270_surr_00014	10/31/25		Agilent, Lot 0006910257		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
.SM_8270cusmix_00005	11/30/25		Agilent, Lot 0006767192		(Purchased Reagent)		1,3-Dimethylnaphthalene	2000 ug/mL
							2-tertbutyl-4-methylphenol	2000 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	2000 ug/mL
							Carbamazepine	2000 ug/mL
							Coumarin	2000 ug/mL
							n,n'-Dimethylaniline	2000 ug/mL
							N-Methylaniline	2000 ug/mL
							Pentachloronitrobenzene	2000 ug/mL
							Phenyl ether	2000 ug/mL
.SM_BPA_00020	11/30/25		Agilent, Lot 0006767004		(Purchased Reagent)		Bisphenol-A	1000 ug/mL
.SM_ISTD_00197	10/31/26		Agilent, Lot 0006760251		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SM_std #11BNA_00022	07/31/25		restek, Lot A0200906		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.SM_std #9BNA_00024	03/30/25		restek, Lot A0201346		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
.SM_STD#1mega_00026	05/30/25		RESTEK, Lot A0204755		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL

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REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL

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REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
SV_BNA_L9_00006	03/28/25	03/28/24	MeCl2, Lot 762001	25 mL	SM-BenzAcid_00020	1500 uL	Benzoic acid	120 ug/mL
					SM_8270_surr_00014	600 uL	2,4,6-Tribromophenol (Surr)	120 ug/mL
							2-Fluorobiphenyl	120 ug/mL
							2-Fluorophenol (Surr)	120 ug/mL
							Nitrobenzene-d5 (Surr)	120 ug/mL
							Phenol-d5 (Surr)	120 ug/mL
							Terphenyl-d14 (Surr)	120 ug/mL
					SM_8270cusmix_00005	1500 uL	1,3-Dimethylnaphthalene	120 ug/mL
							2-tertbutyl-4-methylphenol	120 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	120 ug/mL
							Carbamazepine	120 ug/mL
							Coumarin	120 ug/mL
							n,n'-Dimethylaniline	120 ug/mL
							N-Methylaniline	120 ug/mL
							Pentachloronitrobenzene	120 ug/mL
							Phenyl ether	120 ug/mL
					SM_BPA_00020	3000 uL	Bisphenol-A	120 ug/mL
					SM_ISTD_00197	500 uL	1,4-Dichlorobenzene-d4	40 ug/mL
							Acenaphthene-d10	40 ug/mL
							Chrysene-d12	40 ug/mL
							Naphthalene-d8	40 ug/mL

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Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Perylene-d12	40 ug/mL
							Phenanthrene-d10	40 ug/mL
					SM_std #11BNA_00022	400 uL	Atrazine	32 ug/mL
							Benzaldehyde	32 ug/mL
							Caprolactam	32 ug/mL
					SM_std #9BNA_00024	1500 uL	3,3'-Dichlorobenzidine	120 ug/mL
							Benzidine	120 ug/mL
					SM_STD#1mega_00026	3000 uL	1,1'-Biphenyl	120 ug/mL
							1,2,4,5-Tetrachlorobenzene	120 ug/mL
							1,2,4-Trichlorobenzene	120 ug/mL
							1,2-Dichlorobenzene	120 ug/mL
							1,2-Diphenylhydrazine	120 ug/mL
							1,3-Dichlorobenzene	120 ug/mL
							1,4-Dichlorobenzene	120 ug/mL
							1,4-Dioxane	120 ug/mL
							1-Methylnaphthalene	120 ug/mL
							2,2'-oxybis[1-chloropropane]	120 ug/mL
							2,3,4,6-Tetrachlorophenol	120 ug/mL
							2,4,5-Trichlorophenol	120 ug/mL
							2,4,6-Trichlorophenol	120 ug/mL
							2,4-Dichlorophenol	120 ug/mL
							2,4-Dimethylphenol	120 ug/mL
							2,4-Dinitrophenol	240 ug/mL
							2,4-Dinitrotoluene	120 ug/mL
							2,6-Dichlorophenol	120 ug/mL
							2,6-Dinitrotoluene	120 ug/mL
							2-Chloronaphthalene	120 ug/mL
							2-Chlorophenol	120 ug/mL
							2-Methylnaphthalene	120 ug/mL
							2-Methylphenol	120 ug/mL
							2-Nitroaniline	120 ug/mL
							2-Nitrophenol	120 ug/mL
							3 & 4 Methylphenol	120 ug/mL
							3-Nitroaniline	120 ug/mL
							4,6-Dinitro-2-methylphenol	240 ug/mL
							4-Bromophenyl phenyl ether	120 ug/mL
							4-Chloro-3-methylphenol	120 ug/mL
							4-Chloroaniline	120 ug/mL
							4-Chlorophenyl phenyl ether	120 ug/mL
							4-Methylphenol	120 ug/mL
							4-Nitroaniline	120 ug/mL
							4-Nitrophenol	240 ug/mL
							Acenaphthene	120 ug/mL
							Acenaphthylene	120 ug/mL
							Acetophenone	120 ug/mL
							Aniline	120 ug/mL
							Anthracene	120 ug/mL

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REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Azobenzene	120 ug/mL
							Benzo[a]anthracene	120 ug/mL
							Benzo[a]pyrene	120 ug/mL
							Benzo[b]fluoranthene	120 ug/mL
							Benzo[g,h,i]perylene	120 ug/mL
							Benzo[k]fluoranthene	120 ug/mL
							Benzyl alcohol	120 ug/mL
							Bis(2-chloroethoxy)methane	120 ug/mL
							Bis(2-chloroethyl)ether	120 ug/mL
							Bis(2-ethylhexyl) phthalate	120 ug/mL
							Butyl benzyl phthalate	120 ug/mL
							Carbazole	120 ug/mL
							Chrysene	120 ug/mL
							Di-n-butyl phthalate	120 ug/mL
							Di-n-octyl phthalate	120 ug/mL
							Dibenz(a,h)anthracene	120 ug/mL
							Dibenzofuran	120 ug/mL
							Diethyl phthalate	120 ug/mL
							Dimethyl phthalate	120 ug/mL
							Fluoranthene	120 ug/mL
							Fluorene	120 ug/mL
							Hexachlorobenzene	120 ug/mL
							Hexachlorobutadiene	120 ug/mL
							Hexachlorocyclopentadiene	120 ug/mL
							Hexachloroethane	120 ug/mL
							Indeno[1,2,3-cd]pyrene	120 ug/mL
							Isophorone	120 ug/mL
							n-Decane	120 ug/mL
							N-Nitrosodi-n-propylamine	120 ug/mL
							N-Nitrosodimethylamine	120 ug/mL
							N-Nitrosodiphenylamine	120 ug/mL
							n-Octadecane	120 ug/mL
							Naphthalene	120 ug/mL
							Nitrobenzene	120 ug/mL
							Pentachlorophenol	240 ug/mL
							Phenanthrene	120 ug/mL
							Phenol	120 ug/mL
							Pyrene	120 ug/mL
							Pyridine	240 ug/mL
.SM-BenzAcid_00020	09/30/25		Restek, Lot A0209261		(Purchased Reagent)		Benzoic acid	2000 ug/mL
.SM_8270_surr_00014	10/31/25		Agilent, Lot 0006910257		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14 (Surr)	5000 ug/mL
.SM_8270cusmix_00005	11/30/25		Agilent, Lot 0006767192		(Purchased Reagent)		1,3-Dimethylnaphthalene	2000 ug/mL

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REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-tertbutyl-4-methylphenol	2000 ug/mL
							3,5-di-tert-butyl-4-hydroxytol	2000 ug/mL
							Carbamazepine	2000 ug/mL
							Coumarin	2000 ug/mL
							n,n'-Dimethylaniline	2000 ug/mL
							N-Methylaniline	2000 ug/mL
							Pentachloronitrobenzene	2000 ug/mL
							Phenyl ether	2000 ug/mL
.SM_BPA_00020	11/30/25		Agilent, Lot 0006767004		(Purchased Reagent)		Bisphenol-A	1000 ug/mL
.SM_ISTD_00197	10/31/26		Agilent, Lot 0006760251		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
.SM_std #11BNA_00022	07/31/25		restek, Lot A0200906		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.SM_std #9BNA_00024	03/30/25		restek, Lot A0201346		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
.SM_STD#1mega_00026	05/30/25		RESTEK, Lot A0204755		(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,2-Diphenylhydrazine	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,2'-oxybis[1-chloropropane]	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Methylphenol	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3 & 4 Methylphenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL

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Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Methylphenol	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzyl alcohol	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL

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REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL

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Reagent

ME_6020BRL_IV_00003

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P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate #83.01
ACCREDITED Reference Material Producer Certificate #83.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	IV-55664
Lot Number:	U2-MEB736940
Matrix:	2% (v/v) HNO3
Value / Analyte(s):	20 µg/mL ea: Calcium, Potassium, Magnesium, Sodium, 12 µg/mL ea: Iron, 8 µg/mL ea: Boron, 4 µg/mL ea: Aluminum, 1.6 µg/mL ea: Tin, Zinc, 0.8 µg/mL ea: Manganese, 0.4 µg/mL ea: Molybdenum, Nickel, Barium, Cobalt, Chromium, Copper, Vanadium, Strontium, Titanium, 0.25 µg/mL ea: Selenium, 0.2 µg/mL ea: Antimony, Cadmium, Arsenic, Silver, 0.12 µg/mL ea: Lead, 0.08 µg/mL ea: Beryllium, Thallium

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3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	3.999 ± 0.021 µg/mL	Antimony, Sb	0.2001 ± 0.0014 µg/mL
Arsenic, As	0.2001 ± 0.0014 µg/mL	Barium, Ba	0.4000 ± 0.0022 µg/mL
Beryllium, Be	0.0801 ± 0.0005 µg/mL	Boron, B	8.00 ± 0.05 µg/mL
Cadmium, Cd	0.2001 ± 0.0012 µg/mL	Calcium, Ca	20.00 ± 0.06 µg/mL
Chromium, Cr	0.4001 ± 0.0028 µg/mL	Cobalt, Co	0.4005 ± 0.0022 µg/mL
Copper, Cu	0.4008 ± 0.0022 µg/mL	Iron, Fe	12.00 ± 0.08 µg/mL
Lead, Pb	0.1201 ± 0.0007 µg/mL	Magnesium, Mg	20.00 ± 0.09 µg/mL
Manganese, Mn	0.800 ± 0.004 µg/mL	Molybdenum, Mo	0.3998 ± 0.0022 µg/mL
Nickel, Ni	0.4006 ± 0.0022 µg/mL	Potassium, K	20.00 ± 0.10 µg/mL
Selenium, Se	0.2502 ± 0.0019 µg/mL	Silver, Ag	0.2001 ± 0.0015 µg/mL
Sodium, Na	20.00 ± 0.10 µg/mL	Strontium, Sr	0.4008 ± 0.0022 µg/mL
Thallium, Tl	0.0801 ± 0.0006 µg/mL	Tin, Sn	1.601 ± 0.011 µg/mL
Titanium, Ti	0.4005 ± 0.0027 µg/mL	Vanadium, V	0.4003 ± 0.0024 µg/mL
Zinc, Zn	1.601 ± 0.009 µg/mL		

Density: 1.008 g/mL (measured at 20 ± 4 °C)

Assay Information:

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ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Ag	Calculated		See Sec. 4.2
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
Al	Calculated		See Sec. 4.2
As	ICP Assay	3103a	100818
B	ICP Assay	3107	190605
B	Calculated		See Sec. 4.2
Ba	ICP Assay	3104a	140909
Be	ICP Assay	3105a	090514
Be	Calculated		See Sec. 4.2
Ca	ICP Assay	3109a	130213
Ca	EDTA	928	928
Ca	Calculated		See Sec. 4.2
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Cd	Calculated		See Sec. 4.2
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Co	Calculated		See Sec. 4.2
Cr	ICP Assay	3112a	170630
Cu	ICP Assay	3114	120618
Cu	EDTA	928	928
Cu	Calculated		See Sec. 4.2
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
Fe	Calculated		See Sec. 4.2
K	ICP Assay	3141a	140813
K	Calculated		See Sec. 4.2
K	Gravimetric		See Sec. 4.2
Mg	ICP Assay	3131a	140110
Mg	EDTA	928	928
Mg	Calculated		See Sec. 4.2
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Mn	Calculated		See Sec. 4.2
Mo	ICP Assay	3134	130418
Mo	Calculated		See Sec. 4.2
Na	ICP Assay	3152a	200413
Na	Gravimetric		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Sb	ICP Assay	3102a	140911
Sb	Calculated		See Sec. 4.2
Se	ICP Assay	3149	100901
Sn	ICP Assay	3161a	140917

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Sn	Calculated		See Sec. 4.2
Sr	EDTA	928	928
Sr	ICP Assay	Traceable to 3153a	K2-SR650985
Sr	Calculated		See Sec. 4.2
Ti	ICP Assay	3162a	130925
Ti	Calculated		See Sec. 4.2
Tl	ICP Assay	3158	151215
Tl	Calculated		See Sec. 4.2
V	ICP Assay	3165	160906
V	EDTA	928	928
V	Calculated		See Sec. 4.2
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928
Zn	Calculated		See Sec. 4.2

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = \{\Sigma((w_i)^2 (u_{char\ i})^2)\}^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

6.1 This standard is intended for the calibration of analytical instruments and validation of analytical methods as appropriate. This CRM may be used in connection with EPA Methods 6010, 6020 (all versions), Standard Methods 3120 B and USP <232> / ICH Q3D.

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6.2 For products attaining traceability through Inorganic Ventures' Primary Certified Reference Materials (PCRM™) see the Limited License to Use PCRM™ in the Inorganic Ventures Terms and Conditions of Sale, https://www.inorganicventures.com/terms-and-conditions-sale. The Terms and Conditions contain information on the use of materials traceable to PCRM™ certified reference materials. This Limited License agreement is especially pertinent for laboratories accredited under ISO:17034.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Low Silver Note: This solution contains "LOW" levels of Silver. Please store this entire bottle inside a sealed glass jar.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; Inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

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11.1 Certification Issue Date

September 21, 2023

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- September 21, 2028

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Joseph Burns
Custom VS Manager



Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director



DRAFT

7/10/2024
4:48:04 PM

Reagent

ME_Ag-2nd_00006

DRAFT

rec'd 9/15/23 JD

11138127
ID: ME_Ag-2nd_00006
Exp: 03/12/25 Prpd
1000 ppm stock std

7/10/2024 4:48:04 PM

CERTIFICATE OF ANALYSIS

Single-Element Aqueous CRM

Product #: TA-1000511-SS

SE Std Silver (Ag) – 1000 µg/mL

Product Lot #: 711727250-2

Matrix: 2% HNO_3

Source Material Lot #: 26-169AGX

Element	Certified Concentration & Uncertainty
Ag	1001 ± 5 µg/mL (w/v)
	991.1 ± 5.0 µg/g (w/w)

Intended Use: This solution is intended for use as a second source certified reference material (CRM) or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), flame or furnace atomic absorption spectroscopy (AA or GFAA), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured, processed, and/or certified under a quality management system that is registered/accredited to **ISO 9001**, **ISO 17034**, and **ISO/IEC 17025**. This CRM was prepared to a nominal concentration of 1000 µg/mL by gravimetric methods using high purity silver nitrate dissolved in high purity nitric acid (HNO_3) and diluted with filtered (0.22 µm), 18 M-ohm deionized water. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST, using a calibration provider that is accredited to ISO/IEC 17025 by a mutually recognized accreditation body. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentration and uncertainty were determined using the "High Performance ICP-OES" protocol developed by NIST, and both the certified concentration and uncertainty values are traceable to **NIST SRM 3151**. The uncertainty associated with the certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Indicative Values: ICP-MS was used to determine trace metal concentrations for this product (nd = not determined).

Trace Concentrations (µg/L)

Ag	MAJOR	Co	<0.001	Ge	<0.001	Mg	<0.001	Pd	<0.001	Si	<0.1	V	<0.001
Al	0.006	Cr	<0.001	Hf	<0.001	Mn	<0.001	Pr	<0.001	Sm	<0.001	W	<0.001
As	<0.001	Cs	<0.001	Hg	<0.001	Mo	<0.001	Pt	<0.001	Sn	<0.001	Y	<0.001
Au	<0.001	Cu	<0.001	Ho	<0.001	Na	0.02	Rb	<0.001	Sr	<0.001	Yb	<0.001
B	0.001	Dy	<0.001	In	<0.001	Nb	<0.001	Re	<0.001	Ta	<0.001	Zn	0.09
Ba	<0.001	Er	<0.001	Ir	<0.001	Nd	<0.001	Rh	<0.001	Tb	<0.001		
Bi	<0.001	Eu	<0.001	K	<0.1	Ni	<0.001	Ru	<0.001	Te	<0.001		
Ca	0.006	Fe	<0.002	La	<0.001	Os	Nd	Sb	<0.001	Ti	<0.001		
Cd	<0.001	Ga	<0.001	Li	<0.001	P	<0.1	Sc	<0.001	Tl	<0.001		
Ce	<0.001	Gd	<0.001	Lu	<0.001	Pb	<0.001	Se	<0.01	Tm	<0.001		

Instructions for Use: We recommend that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy, the analyst should: (1) use only pre-cleaned containers and transferware, (2) not pipette directly from the CRM's original container, (3) never pour used product back into the original container, (4) make dilutions using calibrated balances or certified class A volumetric flasks and pipettes, (5) use a minimum sub-sample size of 500 µL, and (6) dilute with the same matrix as the original CRM or other chemically suitable matrix. The solution should be kept tightly capped and stored under normal laboratory conditions. Do not freeze, heat, or immerse the bottle or its contents, and avoid exposure to direct sunlight or moisture.

Period of Validity: CPI International ensures the accuracy of this solution for **18 months** from the certification date shown below, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Chuck Goudreau

Chuck Goudreau, Certifying Officer

September 12, 2023
Certification Date

CPI International waives all responsibility for any damages resulting from the usage and/or implementation of the products/data described herein.

USA
5580 Skylane Boulevard P: 707.525.5788
Santa Rosa, CA 95403 P: 800.878.7654
F: 707.545.7901

Europe
Nieuwe Hemweg 7P P: +31 20 638 05 97
1013BG Amsterdam F: +31 20 420 28 36
The Netherlands

www.cpiinternational.com

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Health and Safety Information: Refer to the Safety Data Sheet (SDS).

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with internal procedures for the assessment of homogeneity and stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Further Information: Please contact CPI International for further information about this material.

Quality Certifications: This material was prepared under a quality management system that is registered/accredited to the following:

- ISO 17034 Accredited: Reference Materials Producer, Certificate No. 2848.02 – General Requirements for the Competence of Reference Material Producers
    - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35
- ISO/IEC 17025 Accredited: Chemical Testing, Certificate No. 2848.01 – General Requirements for the Competence of Testing and Calibration Laboratories
- ISO 9001 Certified: Quality Management Systems, Certificate Registration No. 56 100 19560101 – Requirements *(Registrar: TUV NORD)*

DRAFT

Reagent

ME_Ba_00014

DRAFT

CPI INTERNATIONAL

10577045
ID: ME_Ba_00014
Exp: 08/22/24 Prpd: LBD
Barium 10000ppb

rec'd 2/23/23 LD

CERTIFICATE OF ANALYSIS

Single-Element Aqueous CRM

Product #: S4400-10M41

Barium (Ba) – 10,000 µg/mL

Lot #: 1282477-2

Matrix: 4% HNO_3

Element	Certified Concentration & Uncertainty
Ba	10,020 ± 39 µg/mL (w/v)
	9776 ± 38 µg/g (w/w)

Intended Use: This solution is intended for use as a certified reference material (CRM) or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), flame or furnace atomic absorption spectroscopy (AA or GFAA), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured, processed, and/or certified under a quality management system that is registered/accredited to **ISO 17034, ISO/IEC 17025 and ISO 9001**. This CRM was prepared to a nominal concentration of 10,000 µg/mL by gravimetric methods using 99.999% pure barium nitrate [$Ba(NO_3)_2$]. The solution was diluted with filtered (0.22um), 18 M-ohm water and stabilized with the appropriate high-purity acid as indicated in the listed matrix. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST, using a calibration provider that is accredited to ISO/IEC 17025 by a mutually recognized accreditation body. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentration and uncertainty were determined using the "High Performance ICP-OES" protocol developed by NIST, and both the certified concentration and uncertainty values are traceable to **NIST SRM 3104a, lot #140909**. The uncertainty associated with the certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Indicative Values: ICP-MS was used to determine trace metal concentrations for this product (nd = not determined).

Trace Concentrations (µg/L)

Ag	<5	Co	<10	Ge	<5	Lu	<2	P	<1000	Sb	<5	Te	<10
Al	<20	Cs	<5	Hf	<2	Mg	<50	Pb	<10	Sc	<50	Ti	<20
As	<20	Cr	6	Hg	<5	Mn	<10	Pd	<5	Se	<20	Tl	<5
Au	<5	Cu	<10	Ho	<2	Mo	<5	Pr	<2	Si	<1000	Tm	<2
B	<50	Dy	<2	In	nd	Na	<250	Pt	<5	Sm	27	V	<10
Ba	MAJOR	Er	<2	Ir	<2	Nb	<5	Rb	<5	Sn	<5	W	<5
Bi	<2	Eu	<2	K	<250	Nd	<2	Re	<2	Sr	113	Y	17
Ca	<250	Fe	<100	La	32	Ni	<20	Rh	<5	Ta	<5	Yb	<2
Cd	<5	Ga	<5	Li	<20	Os	<5	Ru	<5	Tb	<5	Zn	<20
Ce	<2	Gd	<2										

Instructions for Use: We recommend that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy, the analyst should: (1) use only pre-cleaned containers and transferware, (2) not pipette directly from the CRM's original container, (3) never pour used product back into the original container, (4) make dilutions using calibrated balances or certified class A volumetric flasks and pipettes, (5) use a minimum sub-sample size of 500 µL, and (6) dilute with the same matrix as the original CRM or other chemically suitable matrix. The solution should be kept tightly capped and stored under normal laboratory conditions. Do not freeze, heat, or immerse the bottle or its contents, and avoid exposure to direct sunlight or moisture.

Period of Validity: CPI International ensures the accuracy of this solution for **18 months** from the certification date shown below, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Chuck Goudreau

Chuck Goudreau, Certifying Officer

February 22, 2023
Certification Date

CPI International waives all responsibility for any damages resulting from the usage and/or implementation of the products/data described herein.

USA
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F: 707.545.7901

www.cpiinternational.com

Europe
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1013BG Amsterdam F: +31 20 420 28 36
The Netherlands

DRAFT

Health and Safety Information: Refer to the Safety Data Sheet (SDS).

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with internal procedures for the assessment of homogeneity and stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Further Information: Please contact CPI International for further information about this material.

Quality Certifications: This material was prepared under a quality management system that is registered/accredited to the following:

- ISO 17034 Accredited: Reference Materials Producer, A2LA Certificate No. 2848.02 – General Requirements for the Competence of Reference Material Producers
    - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35
- ISO/IEC 17025 Accredited: Chemical Testing, A2LA Certificate No. 2848.01 – General Requirements for the Competence of Testing and Calibration Laboratories
- ISO 9001 Certified: Quality Management Systems, Certificate Registration No. 56 100 19560101 – Requirements *(Registrar: TUV NORD)*

DRAFT

Reagent

me_Be_00016

DRAFT

Rec'd 9-20-23 DF

Agilent

11151842
ID: me_Be_00016
Exp:10/31/24 Prpd: Opn:09/20/23
Beryllium10000ppm

7/10/2024 4:48:04 PM

CERTIFICATE OF ANALYSIS

Agilent Product Name: Beryllium Standard: 10000 µg/mL Be in 5% HNO_3
Agilent Part No: 5190-8360
Lot No: 0012702566

Product Specifications

Analyte	Starting Material	CAS #	Matrix	Certified Concentration
Be	$Be_4O(C_2H_3O_2)_6$	19049-40-2	5% HNO_3	9926 ± 40 µg/mL (w/v)
				9171 ± 37 µg/g (w/w)

Intended Use: This solution is intended for use as a certified reference material or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), atomic absorption spectroscopy (flame AAS or GFAAS), microwave plasma atomic emission spectroscopy (MP-AES), x-ray fluorescence spectroscopy (XRF), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured under a quality management system that is accredited to **ISO 17034**, **ISO/IEC 17025**, and registered to **ISO 9001**. This CRM was prepared to a nominal concentration of 10000 µg/mL by gravimetric methods using 99.995% pure beryllium acetate [$Be_4O(C_2H_3O_2)_6$] dissolved in high purity nitric acid (HNO_3) and diluted with ASTM Type I Water. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentration and uncertainty were determined using the "High Performance ICP-OES" protocol developed by NIST and both the certified concentration and uncertainty values are traceable to NIST SRM 3105a, lot #090514. The uncertainty associated with the certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Uncertified Values: Agilent ICP-MS was used to determine trace metal concentrations for this product (nd = not determined).

Trace Concentrations (µg/L)

Ag	<5	Co	<10	Ge	<5	Lu	<2	P	<1000	Sb	<5	Te	<10
Al	<20	Cs	<5	Hf	26	Mg	<50	Pb	<10	Sc	<50	Ti	<20
As	<20	Cr	<5	Hg	<5	Mn	<10	Pd	<5	Se	<20	Tl	<5
Au	<5	Cu	<10	Ho	<2	Mo	<5	Pr	<2	Si	<1000	Tm	<2
B	<50	Dy	<2	In	nd	Na	<250	Pt	<5	Sm	<2	V	<10
Ba	<10	Er	<2	Ir	<2	Nb	<5	Rb	<5	Sn	<5	W	<5
Bi	<2	Eu	<2	K	<250	Nd	<2	Re	<2	Sr	<10	Y	<5
Ca	<250	Fe	<100	La	<5	Ni	<20	Rh	<5	Ta	<5	Yb	<2
Cd	<5	Ga	<5	Li	<20	Os	<5	Ru	<5	Tb	<5	Zn	<20
Ce	<2	Gd	<2										

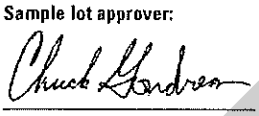
Instructions for Use: Agilent recommends that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy the analyst should: (1) use only pre-cleaned containers and transferware, (2) avoid pipetting directly from the CRM's original container, (3) use a minimum sub-sample size of 500 µL, (4) make dilutions using calibrated balances or certified volumetric class A flasks and pipettes, (5) dilute to volume using the same matrix as the original CRM, and (6) never pour used product back into the original container. The solution should be kept tightly capped. Store at controlled room temperature per USP 35 (10.30.60). Do not freeze, heat, or expose to direct sunlight. Minimize exposure to moisture or high humidity.

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Agilent

Period of Validity: Agilent ensures the accuracy of this solution until the expiration date shown below, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Sample lot approver:



Chuck Goudreau, Certifying Officer

Date of relaase: 7 April 2023
Date of expiration: 31 October 2024

DRAFT

Hazard Information: Refer to the Safety Data Sheet (SDS), which can be obtained at www.agilent.com/chem/sds.

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with QSP 6-13 Assessment of Homogeneity and Stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Further Information: Please contact Agilent for further information about this CRM.

Quality Certifications: This CRM was prepared under a quality management system that is:

- Registered to ISO 9001 – Quality Management Systems – Requirements (TUV NORD Cert. Reg. No. 44 100 16560231)
- Accredited to ISO 17034– General Requirements for the Competence of Reference Material Producers (A2LA Cert. No. 2848.02)
    - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35.
- Accredited to ISO/IEC 17025 – General Requirements for the Competence of Testing and Calibration Laboratories (A2LA Cert. No. 2848.01)
- LGC Standards, 276 Abby Road, Manchester, NH 03103

DRAFT

Reagent

me_Cr_00019

DRAFT

Rec'd 9-20-23 DF

Agilent

11151927
ID: me_Cr_00019
Exp:02/28/25 Prpd: Opr:09/20/23
Chromium

7/10/2024 4:48:04 PM

CERTIFICATE OF ANALYSIS

Agilent Product Name: Chromium Standard: 10000 µg/mL Cr in 5% HNO_3
Agilent Part No: 5190-8374
Lot No: 0013615477

Product Specifications

Analyte	Starting Material	CAS #	Matrix	Certified Concentration
Cr	$Cr(NO_3)_3$	13548-38-4	5% HNO_3	9998 ± 42 µg/mL (w/v)
				9187 ± 38 µg/g (w/w)

Intended Use: This solution is intended for use as a certified reference material or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), atomic absorption spectroscopy (flame AAS or GFAAS), microwave plasma atomic emission spectroscopy (MP-AES), x-ray fluorescence spectroscopy (XRF), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured under a quality management system that is accredited to **ISO 17034, ISO/IEC 17025**, and registered to **ISO 9001**. This CRM was prepared to a nominal concentration of 10000 µg/mL by gravimetric methods using 99.996% pure chromium nitrate [$Cr(NO_3)_3$] dissolved in high purity nitric acid (HNO_3) and diluted with ASTM Type I Water. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentration and uncertainty were determined using the "High Performance ICP-OES" protocol developed by NIST and both the certified concentration and uncertainty values are traceable to NIST SRM 3112a, lot #170630. The uncertainty associated with the certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Uncertified Values: Agilent ICP-MS was used to determine trace metal concentrations for this product (nd = not determined).

Trace Concentrations (µg/L)

Ag	<5	Co	556	Ge	<5	Lu	<2	P	<1000	Sb	11	Te	<10
Al	<20	Cs	<5	Hf	<2	Mg	<50	Pb	<10	Sc	<50	Ti	<20
As	<20	Cr	MAJOR	Hg	<5	Mn	12	Pd	<5	Se	<20	Tl	<5
Au	<5	Cu	<10	Ho	8	Mo	<5	Pr	<2	Si	<1000	Tm	<2
B	<50	Dy	<2	In	nd	Na	<250	Pt	<5	Sm	<2	V	15
Ba	<10	Er	<2	Ir	<2	Nb	6	Rb	<5	Sn	<5	W	9
Bi	<2	Eu	<2	K	<250	Nd	<2	Re	<2	Sr	<10	Y	38
Ca	<250	Fe	1112	La	<5	Ni	301	Rh	<5	Ta	<5	Yb	<2
Cd	<5	Ga	<5	Li	115	Os	<5	Ru	<5	Tb	<5	Zn	<20
Ce	<2	Gd	<2										

Instructions for Use: Agilent recommends that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy the analyst should: (1) use only pre-cleaned containers and transferware, (2) avoid pipetting directly from the CRM's original container, (3) use a minimum sub-sample size of 500 µL, (4) make dilutions using calibrated balances or certified volumetric class A flasks and pipettes, (5) dilute to volume using the same matrix as the original CRM, and (6) never pour used product back into the original container. The solution should be kept tightly capped. Store at controlled room temperature per USP 35 (10.30.60). Do not freeze, heat, or expose to direct sunlight. Minimize exposure to moisture or high humidity.

DRAFT

Agilent

Period of Validity: Agilent ensures the accuracy of this solution until the expiration date shown below, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Sample lot approver:

Date of release: 2 August 2023
Date of expiration: 28 February 2025

Chuck Goudreau, Certifying Officer

DRAFT

Hazard Information: Refer to the Safety Data Sheet (SDS), which can be obtained at www.agilent.com/chem/sds.

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISD Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with QSP 6-13 Assessment of Homogeneity and Stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Further Information: Please contact Agilent for further information about this CRM.

Quality Certifications: This CRM was prepared under a quality management system that is:

- Registered to ISO 9001 – Quality Management Systems – Requirements (TUV NORD Cert. Reg. No. 44 100 16560231)
- Accredited to ISO 17034– General Requirements for the Competence of Reference Material Producers (A2LA Cert. No. 2848.02)
    - ISO 17034 references additional requirements specified in ISD Guide 31 and ISO Guide 35.
- Accredited to ISO/IEC 17025 – General Requirements for the Competence of Testing and Calibration Laboratories (A2LA Cert. No. 2848.01)
- LGC Standards, 276 Abby Road, Manchester, NH 03103

DRAFT

Reagent

ME_ipmsSPK_00052

DRAFT

high-purity standards

7221 Investment Drive • North Charleston, SC 29418
843.767.7900 • info@highpuritystandards.com • www.highpuritystandards.com

7/10/2024
4:48:04 PM

Certificate of Analysis

Certified Reference Material

rec'd 12/11/23 LD

Product Description: ICPMS LCS/SPK

Product Number: **SM-606-111-500**
Lot Number: **2333357-500**
Matrix: 4% HNO3 / Tr HF
Purity: 99.98% - 99.9999%

11380092
ID: ME_ipmsSPK_00052
Exp: 12/31/24 Prpd.
ICP-MS LCS/SPK, matrix sp

ANAB
ANSI National Accreditation Board
ACCREDITED
ISO 17034
REFERENCE MATERIAL PRODUCER
ISO 17034:2016 (RMP) Accreditation Certificate Number AR-1436

Certified Values:

Element	(µg/mL)	SRM ID	Element	(µg/mL)	SRM ID
Ag	5.00 ± 0.05	3151	Mn	50.0 ± 0.8	3132
Al	500 ± 5	3101a	Mo	10.0 ± 0.1	3134
As	10.0 ± 0.1	3103a	Na	500 ± 5	3152a
B	100 ± 1	3107	Ni	10.0 ± 0.1	3136
Ba	10.0 ± 0.1	3104a	Pb	5.00 ± 0.05	3128
Be	5.00 ± 0.05	3105a	Sb	5.00 ± 0.05	3102a
Ca	500 ± 5	3109a	Se	10.0 ± 0.1	3149
Cd	5.00 ± 0.05	3108	Sn	10.0 ± 0.1	3161a
Co	5.00 ± 0.05	3113	Sr	10.0 ± 0.1	3153a
Cr	10.0 ± 0.1	3112a	Ti	10.0 ± 0.1	3162a
Cu	10.0 ± 0.1	3114	Tl	4.00 ± 0.04	3158
Fe	500 ± 5	3126a	V	10.0 ± 0.1	3165
K	500 ± 5	3141a	Zn	50.0 ± 0.5	3168a
Mg	500 ± 5	3131a			

Certified values are based on gravimetric and volumetric preparation, and verified against NIST SRM 3100 series when available via inductively coupled plasma optical emission spectrometry (ICP-OES) and/or inductively coupled plasma mass spectrometry (ICP-MS) using an internal laboratory-developed method. The uncertainty in the certified value is calculated for a 95% confidence interval and coverage factor *k* is about 2.
* Refer to Traceability Information, Section 4

Packaging and Storage Conditions:

The standard is packaged in a pre-cleaned polyethylene bottle. To maintain the integrity of this product, the solution should be kept tightly capped and stored under normal laboratory conditions.

Expiration Information:

The expiry date is guaranteed to be valid for one year from the shipping date provided and is guaranteed through the month of expiration. For this reason, standards from the same lot may have different expiration dates.

Shipped Date: December 2023
Expiration Date: December 31, 2024
Certificate Issue Date: December 4, 2023

Julio Soto, Quality Manager

DRAFT

Preparation Information:

This Certified Reference Material (CRM) is generally prepared from single element standard solutions that are ISO 17034 certified reference materials and manufactured under appropriate laboratory conditions using the methods developed at NIST for SRM Spectrometric Standard Solutions. Sub-boiling distilled high-purity acid has been used to place the materials in solution and stabilize the standard. The matrix is as noted above in 18 megaohm deionized water. Stability of this product is based upon rigorous short-term and long-term testing of the solution for the certified value. This testing includes, but is not limited to, the effect of temperature and packaging on the product. If, during the period of validity, a recall is instituted due to substantial changes in the stability of this product, the purchaser will be notified.

Homogeneity:

This product is determined to be homogeneous following in-house procedures developed in accordance with the requirements of ISO 17034 and ISO Guide 35.

Intended Use:

This product is intended for use as a calibration standard, quality control standard, and/or for the validation of analytical methods. The standard is confirmed homogeneous; therefore, the minimum sample size should be consistent with the end user's measurement capabilities.

Traceability Information:

The traceability of this standard is maintained through an unbroken chain of comparisons to appropriate standards with suitable procedure and measurement uncertainties. The maintenance of the base and derived units of International System of Units (SI) with traceability of measurement results (contemporary metrology) to SI ensures their comparability over time as follows.

1. **Standard Weight and Analytical Balance**
   The standard weights (NBS weights Inventory No 20231A) are calibrated every two years by South Carolina Metrology Laboratory that is a participant in 'NIST Weights and Measures Measurement Assurance Program' with a certificate of measurement traceability to NIST primary standards. The balances are calibrated yearly by the ISO 17025 accredited metrology service, and are verified weekly by an in-house method using standard weights.
2. **Volumetric Device**
   The calibrations of volumetric vessels are verified using the ASTM method E542.
3. **Thermometer**
   The standard thermometers are calibrated every year by the ISO 17025 accredited metrology service. The thermometers used in-house are verified against the standard thermometers yearly.
4. **Calibration Standards**
   The Calibration Standard is traceable to SRM 3100 Series Spectrometric Standard Solutions. If an SRM is not available, a second source standard or independent lot is used.

Refer to Safety Datasheet (SDS) for hazardous information.

NOTICE: HPS products are intended for laboratory use only. All products should be handled and used by trained professional personnel. The responsibility for the safe handling and use of these products rests solely with the buyer and/or user. The data and information as stated was furnished by the manufacturer of the product. The information provided in this certificate pertains only to the lot number specified. None of the information provided in this certificate may be used, reproduced or transmitted in any form or by any means without written approval from High-Purity Standards.

DRAFT

Reagent

ME_ipmsSPK_00053

DRAFT

high-purity standards
7221 Investment Drive • North Charleston, SC 29418
843.767.7900 • info@highpuritystandards.com • www.highpuritystandards.com

Rec'd 5-29-24 DE

11773644
ID: ME_ipmsSPK_00053
Exp:05/31/25 Prpd: Opn:05/29/24
ICP-MS LCS/SPK, matrix sp

7/10/2024 4:48:04 PM

Certificate of Analysis

Certified Reference Material

Product Description: ICPMS LCS/SPK

Product Number: **SM-606-111-500**
Lot Number: **2414304-500**
Matrix: 4% HNO3 / Tr HF
Purity: 99.98% - 99.9999%

ANAB
ANSI National Accreditation Board
ACCREDITED
ISO 17034
REFERENCE MATERIAL PRODUCER
ISO 17034:2016 (RMP) Accreditation Certificate Number AR-1436

Certified Values:

Element	(µg/mL)	SRM ID	Element	(µg/mL)	SRM ID
Ag	5.00 ± 0.05	3151	Mn	50.0 ± 0.8	3132
Al	500 ± 5	3101a	Mo	10.0 ± 0.1	3134
As	10.0 ± 0.1	3103a	Na	500 ± 5	3152a
B	100 ± 1	3107	Ni	10.0 ± 0.1	3136
Ba	10.0 ± 0.1	3104a	Pb	5.00 ± 0.05	3128
Be	5.00 ± 0.05	3105a	Sb	5.00 ± 0.05	3102a
Ca	500 ± 5	3109a	Se	10.0 ± 0.1	3149
Cd	5.00 ± 0.05	3108	Sn	10.0 ± 0.1	3161a
Co	5.00 ± 0.05	3113	Sr	10.0 ± 0.1	3153a
Cr	10.0 ± 0.1	3112a	Ti	10.0 ± 0.1	3162a
Cu	10.0 ± 0.1	3114	Tl	4.00 ± 0.04	3158
Fe	500 ± 5	3126a	V	10.0 ± 0.1	3165
K	500 ± 5	3141a	Zn	50.0 ± 0.5	3168a
Mg	500 ± 5	3131a			

Certified values are based on gravimetric and volumetric preparation, and verified against NIST SRM 3100 series when available via inductively coupled plasma optical emission spectrometry (ICP-OES) and/or inductively coupled plasma mass spectrometry (ICP-MS) using an internal laboratory-developed method. The uncertainty in the certified value is calculated for a 95% confidence interval and coverage factor *k* is about 2.
* Refer to Traceability Information, Section 4

Packaging and Storage Conditions:

The standard is packaged in a pre-cleaned polyethylene bottle. To maintain the integrity of this product, the solution should be kept tightly capped and stored under normal laboratory conditions.

Expiration Information:

The expiry date is guaranteed to be valid for one year from the shipping date provided and is guaranteed through the month of expiration. For this reason, standards from the same lot may have different expiration dates.

Shipped Date: May 2024
Expiration Date: May 31, 2025
Certificate Issue Date: May 23, 2024

Julio Soto, Quality Manager

DRAFT

Preparation Information:

This Certified Reference Material (CRM) is generally prepared from single element standard solutions that are ISO 17034 certified reference materials and manufactured under appropriate laboratory conditions using the methods developed at NIST for SRM Spectrometric Standard Solutions. Sub-boiling distilled high-purity acid has been used to place the materials in solution and stabilize the standard. The matrix is as noted above in 18 megaohm deionized water. Stability of this product is based upon rigorous short-term and long-term testing of the solution for the certified value. This testing includes, but is not limited to, the effect of temperature and packaging on the product. If, during the period of validity, a recall is instituted due to substantial changes in the stability of this product, the purchaser will be notified.

Homogeneity:

This product is determined to be homogeneous following in-house procedures developed in accordance with the requirements of ISO 17034 and ISO Guide 35.

Intended Use:

This product is intended for use as a calibration standard, quality control standard, and/or for the validation of analytical methods. The standard is confirmed homogeneous; therefore, the minimum sample size should be consistent with the end user's measurement capabilities.

Traceability Information:

The traceability of this standard is maintained through an unbroken chain of comparisons to appropriate standards with suitable procedure and measurement uncertainties. The maintenance of the base and derived units of International System of Units (SI) with traceability of measurement results (contemporary metrology) to SI ensures their comparability over time as follows.

1. **Standard Weight and Analytical Balance**
   The standard weights (NBS weights Inventory No 20231A) are calibrated every two years by South Carolina Metrology Laboratory that is a participant in 'NIST Weights and Measures Measurement Assurance Program' with a certificate of measurement traceability to NIST primary standards. The balances are calibrated yearly by the ISO 17025 accredited metrology service, and are verified weekly by an in-house method using standard weights.
2. **Volumetric Device**
   The calibrations of volumetric vessels are verified using the ASTM method E542.
3. **Thermometer**
   The standard thermometers are calibrated every year by the ISO 17025 accredited metrology service. The thermometers used in-house are verified against the standard thermometers yearly.
4. **Calibration Standards**
   The Calibration Standard is traceable to SRM 3100 Series Spectrometric Standard Solutions. If an SRM is not available, a second source standard or independent lot is used.

Refer to Safety Datasheet (SDS) for hazardous information.

NOTICE: HPS products are intended for laboratory use only. All products should be handled and used by trained professional personnel. The responsibility for the safe handling and use of these products rests solely with the buyer and/or user. The data and information as stated was furnished by the manufacturer of the product. The information provided in this certificate pertains only to the lot number specified. None of the information provided in this certificate may be used, reproduced or transmitted in any form or by any means without written approval from High-Purity Standards.

DRAFT

Reagent

me_Mn_00018

DRAFT

rec'd 9-20-23 DE

Agilent

11151793
ID: me_Mn_00018
Exp:11/30/24 Prpd: Opn:09/20/23
Manganese 10,000 ppm

7/10/2024 4:48:04 PM

CERTIFICATE OF ANALYSIS

Agilent Product Name: Manganese Standard: 10000 µg/mL Mn in 5% HNO_3
Agilent Part No: 5190-8414
Lot No: 0012949942

Product Specifications

Analyte	Starting Material	CAS #	Matrix	Certified Concentration
Mn	Mn	7439-96-5	5% HNO_3	9947 ± 33 µg/mL (w/v)
				9613 ± 32 µg/g (w/w)

Intended Use: This solution is intended for use as a certified reference material or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), atomic absorption spectroscopy (flame AAS or GFAAS), microwave plasma atomic emission spectroscopy (MP-AES), x-ray fluorescence spectroscopy (XRF), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured under a quality management system that is accredited to **ISO 17034, ISO/IEC 17025**, and registered to **ISO 9001**. This CRM was prepared to a nominal concentration of 10000 µg/mL by gravimetric methods using 99.98% pure manganese (Mn) dissolved in high purity nitric acid (HNO_3) and diluted with ASTM Type I Water. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentration and uncertainty were determined using the "High Performance ICP-OES" protocol developed by NIST and both the certified concentration and uncertainty values are traceable to NIST SRM 3132, lot #210714. The uncertainty associated with the certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Uncertified Values: Agilent ICP-MS was used to determine trace metal concentrations for this product (nd = not determined).

Trace Concentrations (µg/L)

Ag	<5	Co	33	Ge	<5	Lu	<2	P	<1000	Sb	<5	Te	<10
Al	<20	Cs	<5	Hf	<2	Mg	<50	Pb	<10	Sc	<50	Ti	<20
As	<20	Cr	468	Hg	<5	Mn	MAJOR	Pd	<5	Se	<20	Tl	<5
Au	<5	Cu	13	Ho	<2	Mo	<5	Pr	<2	Si	<1000	Tm	<2
B	<50	Dy	<2	In	nd	Na	<250	Pt	<5	Sm	<2	V	21
Ba	<10	Er	<2	Ir	<2	Nb	<5	Rb	<5	Sn	<5	W	<5
Bi	<2	Eu	<2	K	<250	Nd	<2	Re	<2	Sr	<10	Y	<5
Ca	<250	Fe	<100	La	<5	Ni	23	Rh	20	Ta	<5	Yb	<2
Cd	<5	Ga	<5	Li	<20	Os	<5	Ru	<5	Tb	<5	Zn	<20
Ce	<2	Gd	<2										

Instructions for Use: Agilent recommends that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy the analyst should: (1) use only pre-cleaned containers and transferware, (2) avoid pipetting directly from the CRM's original container, (3) use a minimum sub-sample size of 500 µL, (4) make dilutions using calibrated balances or certified volumetric class A flasks and pipettes, (5) dilute to volume using the same matrix as the original CRM, and (6) never pour used product back into the original container. The solution should be kept tightly capped. Store at controlled room temperature per USP 35 (10.30.60). Do not freeze, heat, or expose to direct sunlight. Minimize exposure to moisture or high humidity.

DRAFT

Agilent

Period of Validity: Agilent ensures the accuracy of this solution until the expiration date shown below, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Sample lot approver:

Chuck Goudreau, Certifying Officer

Date of release: 4 May 2023
Date of expiration: 30 November 2024

DRAFT

Hazard Information: Refer to the Safety Data Sheet (SDS), which can be obtained at www.agilent.com/chem/sds.

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samplas of the finished solution were analyzed to confirm its homogeneity, in accordance with QSP 6-13 Assessment of Homogeneity and Stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertaintias.

Further Information: Please contact Agilent for further information about this CRM.

Quality Certifications: This CRM was prepared under a quality management system that is:

- Registered to ISO 9001 – Quality Managament Systems – Requirements (TUV NORD Cert. Reg. No. 44 100 16560231)
- Accredited to ISO 17034– General Requirements for the Competence of Reference Material Producers (A2LA Cert. No. 2848.02)
    - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35.
- Accredited to ISO/IEC 17025 – General Requirements for the Competence of Testing and Calibration Laboratories (A2LA Cert. No. 2848.01)
- LGC Standards, 276 Abby Road, Manchester, NH 03103

DRAFT

Reagent

me_MS-ICSA_00012

DRAFT

Recd 8-29-23 DE

11094917
ID: me_MS-ICSA_00012
Exp:11/02/24 Prpd: Opn:08/29/23
ICP-MS STOCK STD

CERTIFICATE OF ANALYSIS

Multi-Element Aqueous CRM

Product #: TA-ICPMS-ICSA

ICPMS ICSA Mix

Lot #: 1332492-1

Matrix: 2% HNO_3

Element	Certified Concentration & Uncertainty	Element	Certified Concentration & Uncertainty	Element	Certified Concentration & Uncertainty
Al	1000 ± 5 mg/L	Fe	1000 ± 5 mg/L	Na	1000 ± 5 mg/L
C	2000 ± 10 mg/L	K	1000 ± 5 mg/L	P	1000 ± 5 mg/L
Ca	999.9 ± 5.0 mg/L	Mg	1000 ± 5 mg/L	S	1000 ± 5 mg/L
Cl	10,000 ± 50 mg/L	Mo	20.02 ± 0.10 mg/L	Ti	20.05 ± 0.10 mg/L

Source Material Lot # Chart

Element	Source Material Lot #	Element	Source Material Lot #	Element	Source Material Lot #
Al	1249289	Fe	1249266	Na	1245609
C	T18I013	K	1287603	P	1225600
Ca	1232112	Mg	1222806	S	1207779
Cl	221613	Mo	1207790	Ti	1094307

Intended Use: This solution is intended for use as a certified reference material (CRM) or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), flame or furnace atomic absorption spectroscopy (AA or GFAA), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured, processed, and/or certified under a quality management system that is registered/accredited to **ISO 9001**, **ISO 17034**, and **ISO/IEC 17025**. This CRM was prepared to the certified concentrations shown above by gravimetric methods, using single-element concentrates that were certified using the "High Performance ICP-OES" protocol developed by NIST and are directly traceable to **NIST SRMs (see final page)**. The solution was stabilized using high purity nitric acid (HNO_3) and diluted with filtered (0.22 µm), 18 M-ohm deionized water. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST, using a calibration provider that is accredited to ISO/IEC 17025 by a mutually recognized accreditation body. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentrations were determined based upon gravimetric procedures. Secondary verification of the certified concentrations was performed using ICP-OES that was calibrated and/or referenced against **NIST SRMs (see final page)**. The uncertainty associated with each certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Trace Concentrations (µg/L)

Ag	<0.5	Co	<1	Ge	<0.5	Lu	<0.2	P	MAJOR	Sb	3	Te	<1
Al	MAJOR	Cs	<0.5	Hf	<0.2	Mg	MAJOR	Pb	<1	Sc	<5	Ti	MAJOR
As	<2	Cr	75	Hg	<0.5	Mn	3	Pd	<0.5	Se	10	Tl	<0.5
Au	1	Cu	2	Ho	<0.2	Mo	MAJOR	Pr	<0.2	Si	<100	Tm	<0.2
B	<5	Dy	<0.2	In	nd	Na	MAJOR	Pt	<0.5	Sm	<0.2	V	<1
Ba	6	Er	<0.2	Ir	0.4	Nb	<0.5	Rb	7	Sn	5	W	1
Bi	2	Eu	<0.2	K	MAJOR	Nd	<0.2	Re	<0.2	Sr	6	Y	<0.5
Ca	MAJOR	Fe	MAJOR	La	<0.5	Ni	<2	Rh	<0.5	Ta	<0.5	Yb	<0.2
Cd	4	Ga	28	Li	3	Os	<0.5	Ru	<0.5	Tb	<0.5	Zn	8
Ce	<0.2	Gd	<0.2										

DRAFT

USA
55B0 Skylane Boulevard P: 707.525.5788
Santa Rosa, CA 95403 P: 800.878.7654
F: 707.545.7901

Europe
Nieuwe Hemweg 7P P: +31 20 638 05 97
1013BG Amsterdam F: +31 20 420 28 36
The Netherlands

Instructions for Use: We recommend that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy, the analyst should: (1) use only pre-cleaned containers and transferware, (2) not pipette directly from the CRM's original container, (3) never pour used product back into the original container, (4) make dilutions using calibrated balances or certified class A volumetric flasks and pipettes, (5) use a minimum sub-sample size of 500 µL, and (6) dilute with the same matrix as the original CRM or other chemically suitable matrix. The solution should be kept tightly capped and stored under normal laboratory conditions. Do not freeze, heat, or immerse the bottle or its contents, and avoid exposure to direct sunlight or moisture.

Period of Validity: CPI International ensures the accuracy of this solution for **18 months** from the certification date shown below, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Chuck Goudreau

Chuck Goudreau, Certifying Officer

May 2, 2023
Certification Date

CPI International waives all responsibility for any damages resulting from the usage and/or implementation of the products/data described herein.

DRAFT

Health and Safety Information: Refer to the Safety Data Sheet (SDS).

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with internal procedures for the assessment of homogeneity and stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Further Information: Please contact CPI International for further information about this material.

Quality Certifications: This material was prepared under a quality management system that is registered/accredited to the following:

- ISO 17034 Accredited: Reference Materials Producer, A2LA Certificate No. 2848.02 – General Requirements for the Competence of Reference Material Producers
    - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35
- ISO/IEC 17025 Accredited: Chemical Testing, A2LA Certificate No. 2848.01 – General Requirements for the Competence of Testing and Calibration Laboratories
- ISO 9001 Certified: Quality Management Systems, Certificate Registration No. 56 100 19560101 – Requirements *(Registrar: TUV NORD)*

This CRM is traceable to the following NIST SRMs:

Analyte	Aq. SRM	MO SRM	Analyte	Aq. SRM	MO SRM	Analyte	Aq. SRM	MO SRM
Ag	3151	-	Hf	3122	-	S	3154	2770
Al	3101a	-	Hg	3133	3133	Sb	3102a	3102a
As	3103a	3103a	Ho	3123a	-	Sc	3148a	3148a
Au	3121	-	In	3124a	3124a	Se	3149	3149
B	3107	3107	K	3141a	3141a	Si	3150	-
Ba	3104a	-	La	3127a	3127a	Sm	3147a	-
Be	3105a	3105a	Li	3129a	3129a	Sn	3161a	-
Bi	3106	3106	Lu	3130a	-	SO_4^{-2}	3181	-
Br	3184	-	Mg	3131a	3131a	Sr	3153a	3153a
Ca	3109a	3109a	Mn	3132	3132	Ta	3155	-
Cd	3108	-	Mo	3134	3134	Tb	3157a	-
Ce	3110	3110	Na	3152a	-	Te	3156	-
Cl-	3182	1818a	Nb	3137	-	Th	-	-
Co	3113	3113	Nd	3135a	-	Ti	3162a	3162a
Cr	3112a	-	Ni	3136	-	Tl	3158	3158
Cs	3111a	-	NO_3^-	3185	-	Tm	3160a	-
Cu	3114	-	P	3139a	3139a	U	3164	-
Dy	3115a	-	Pb	3128	-	V	3165	-
Er	3116a	-	Pd	3138	-	W	3163	3163
Eu	3117a	-	PO_4^{-3}	3186	-	Y	3167a	3167a
F-	3183	-	Pr	3142a	-	Yb	3166a	-
Fe	3126a	-	Pt	3140	3140	Zn	3168a	3168a
Ga	3119a	-	Rb	3145a	-	Zr	3169	3169
Gd	3118a	-	Re	3143	-			
Ge	3120a	-	Rh	3144	3144			

DRAFT

Reagent

ME_Pb_00015

DRAFT

7/10/2024
4:48:04 PM

Agilent

rec'd 2/20/24
LD

CERTIFICATE OF ANALYSIS

11531751
ID: ME_Pb_00015
Exp 04/30/25 Prpd
Lead 10,000 mg/L

Agilent Product Name: Lead Standard: 10000 µg/mL Pb in 5% HNO_3
Agilent Part No: 5190-8406
Lot No: 0013824586

Product Specifications

Analyte	Starting Material	CAS #	Matrix	Certified Concentration
Pb	Pb	7439-92-1	5% HNO_3	9944 ± 61 µg/mL (w/v)
				9711 ± 59 µg/g (w/w)

Intended Use: This solution is intended for use as a certified reference material or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), atomic absorption spectroscopy (flame AAS or GFAAS), microwave plasma atomic emission spectroscopy (MP-AES), x-ray fluorescence spectroscopy (XRF), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured under a quality management system that is accredited to **ISO 17034, ISO/IEC 17025**, and registered to **ISO 9001**. This CRM was prepared to a nominal concentration of 10000 µg/mL by gravimetric methods using 99.999% pure lead (Pb) dissolved in high purity nitric acid (HNO_3) and diluted with ASTM Type I Water. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentration and uncertainty were determined using the "High Performance ICP-OES" protocol developed by NIST and both the certified concentration and uncertainty values are traceable to NIST SRM 3128, lot #101026. The uncertainty associated with the certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Uncertified Values: Agilent ICP-MS was used to determine trace metal concentrations for this product (nd = not determined).

Trace Concentrations (µg/L)

Ag	<5	Co	<10	Ge	<5	Lu	<2	P	<1000	Sb	<5	Te	<10
Al	<20	Cs	<5	Hf	<2	Mg	<50	Pb	MAJOR	Sc	<50	Ti	<20
As	<20	Cr	<5	Hg	<5	Mn	<10	Pd	<5	Se	<20	Tl	33
Au	<5	Cu	<10	Ho	<2	Mo	<5	Pr	<2	Si	<1000	Tm	<2
B	<50	Dy	<2	In	nd	Na	<250	Pt	<5	Sm	<2	V	<10
Ba	<10	Er	<2	Ir	<2	Nb	<5	Rb	<5	Sn	<5	W	<5
Bi	10	Eu	<2	K	<250	Nd	<2	Re	<2	Sr	<10	Y	<5
Ca	<250	Fe	<100	La	<5	Ni	<20	Rh	<50	Ta	<5	Yb	<2
Cd	<5	Ga	<5	Li	<20	Os	<5	Ru	<5	Tb	<5	Zn	<20
Ce	<2	Gd	<2										

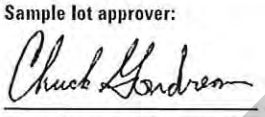
Instructions for Use: Agilent recommends that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy the analyst should: (1) use only pre-cleaned containers and transferware, (2) avoid pipetting directly from the CRM's original container, (3) use a minimum sub-sample size of 500 µL, (4) make dilutions using calibrated balances or certified volumetric class A flasks and pipettes, (5) dilute to volume using the same matrix as the original CRM, and (6) never pour used product back into the original container. The solution should be kept tightly capped. Store at controlled room temperature per USP 35 (10.30.60). Do not freeze, heat, or expose to direct sunlight. Minimize exposure to moisture or high humidity.

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Agilent

Period of Validity: Agilent ensures the accuracy of this solution until the expiration date shown below, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Sample lot approver:



Chuck Goudreau, Certifying Officer

Date of release: 10 October 2023
Date of expiration: 30 April 2025

DRAFT

Hazard Information: Refer to the Safety Data Sheet (SDS), which can be obtained at www.agilent.com/chem/sds.

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with QSP 6-13 Assessment of Homogeneity and Stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Further Information: Please contact Agilent for further information about this CRM.

Quality Certifications: This CRM was prepared under a quality management system that is:

- Registered to ISO 9001 – Quality Management Systems – Requirements (TUV NORD Cert. Reg. No. 44 100 16560231)
- Accredited to ISO 17034– General Requirements for the Competence of Reference Material Producers (A2LA Cert. No. 2848.02)
    - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35.
- Accredited to ISO/IEC 17025 – General Requirements for the Competence of Testing and Calibration Laboratories (A2LA Cert. No. 2848.01)
- LGC Standards, 276 Abby Road, Manchester, NH 03103

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Reagent

ME_Zn-2nd_00004

DRAFT

Agilent

rec'd 2-10-23 OE

10548100
ID: ME_Zn-2nd_00004
Exp:06/30/29 Prpd:DLE Opn:02/10/23
1000 ppm Zinc stock std

Certificate of Analysis

Product Number: ICP-030
Lot Number: 0006681564

Lot Issue Date: 09-May 2022
Expiration Date: 30-Jun 2029

Product Name: Zinc ICP Standard

Description:
This Reference Material (RM) was gravimetrically prepared in accordance with ISO 17034 and under Agilent's ISO 9001 registered quality system. The neat materials used for this product have been verified by Agilent's ISO 17025 laboratory and under Agilent's ISO 17034 accreditation. The analyte concentrations were verified by Agilent's ISO 17025 accredited laboratory. For each analyte, the true value, with its uncertainty value calculated at the 95% confidence level, is reported below.

Analyte	Starting Material	Lot Number	Purity (%)	Analyte Concentration	Traceability & Method
Zinc	zinc nitrate hexahydrate	RM12069	99.9995	1002 ± 2 µg/mL	NIST SRM 3168a; ICP-OES

Solvent: 2% nitric acid in low TOC water (< 50 ppb)

Non-Certified Values:

Density: 1.0112 g/mL @ 20.00 ± 0.05°C

Trace Metallic Impurities in Solution Standard in µg/mL

*___	Al	<0.005 ND	*___	Ga	<0.005 ND	n___	Nb		n___	S	
*___	Sb	<0.005 ND	n___	Ge		n___	Os		n___	Ta	
*___	As	<0.005 ND	n___	Au		*___	Pd	<0.005 ND	n___	Te	
*___	Ba	<0.005 ND	n___	Hf		*___	P	<0.005 ND	n___	Tb	
*___	Be	<0.005 ND	n___	Ho		*___	Pt	<0.005 ND	*___	Tl	<0.005 ND
*___	Bi	<0.005 ND	*___	In	<0.005 ND	*___	K	<0.005 ND	n___	Th	
*___	B	<0.005 ND	n___	Ir		n___	Pr		n___	Tm	
*___	Cd	<0.005 ND	*___	Fe	<0.005 ND	n___	Re		*___	Sn	<0.005 ND
n___	Cs		*___	La	<0.005 ND	n___	Rh		*___	Ti	<0.005 ND
*___	Ca	<0.005 ND	*___	Pb	<0.005 ND	n___	Rb		n___	W	
n___	Ce		*___	Li	<0.005 ND	n___	Ru		n___	U	
*___	Cr	<0.005 ND	n___	Lu		n___	Sm		*___	V	<0.005 ND
*___	Co	<0.005 ND	*___	Mg	<0.005 ND	n___	Sc		n___	Yb	
*___	Cu	<0.005 ND	*___	Mn	<0.005 ND	*___	Se	<0.005 ND	n___	Y	
n___	Dy		*___	Hg	<0.005 ND	*___	Si	<0.005 ND	s___	Zn	
*___	Er	<0.005 ND	*___	Mo	<0.005 ND	*___	Ag	<0.005 ND	n___	Zr	
*___	Eu	<0.005 ND	n___	Nd		*___	Na	<0.005 ND			
*___	Gd	<0.005 ND	*___	Ni	<0.005 ND	*___	Sr	<0.005 ND			

* - element checked; i - spectral interference; n – element not checked; D – element detected; ND – element not detected; s - standard element

Storage: Store at Room Temperature (15° to 30°C).

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Agilent

Certificate of Analysis

Product Number: ICP-030
Lot Number: 0006681564

Lot Issue Date: 09-May 2022
Expiration Date: 30-Jun 2029

Traceability:
Traceability has been established through an unbroken chain of comparisons, each having stated uncertainties. Comparisons are based on appropriate physical or chemical measurements, including gravimetric or volumetric dilution, where the mass or volume of a solution before and after dilution is measured. The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z-540-1, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 819.

Estimation of Uncertainties:
The true value is reported, with its uncertainty value calculated at the 95% confidence level.

Homogeneity:
This RM was formulated and unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Intended Use:
This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods and continuing calibration verification.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening and should be processed without delay for the true value to be valid within the stated uncertainties. Do not pipet from the bottle. Do not return any material removed for pipetting to the bottle. Tightly cap the bottle after removing any material and store according to the instructions noted above.

Hazards:
Refer to the Safety Data Sheet for information regarding this RM.

Expiration of Certification:
The certification of this RM is valid, within the measurement uncertainty specified, until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

Maintenance of Certification:
The real-time, long term stability of the RM may be monitored over the lifetime of the certification. If substantive changes occur that affect the certification before the expiration of this certificate, Agilent Technologies will notify the purchaser.

DRAFT

Monica Bourgeois
QMS Representative

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER
ISO 17034 Cert No. AR-1936

Produced in accordance with TUV SUD 951215321
registered ISO 9001 Quality Management System

ANAB ACCREDITED TESTING LABORATORY
ISO 17025 Cert No. AT-1937

250 Smith Street North Kingstown, Rhode Island 02852 **www.agilent.com/quality**

Reagent

ME_Zn_00017

DRAFT

Agilent

CERTIFICATE OF ANALYSIS

rec'd 2/20/24 LD

Agilent Product Name: Zinc Standard: 10000 µg/mL Zn in 5% HNO_3

Agilent Part No: 5190-8234

Lot No: 1410237

11531865

ID: ME_Zn_00017

Exp 11/14/26 Prpd

Zinc

Product Specifications

Analyte	Matrix	Certified Concentration
Zn	5% HNO_3	10,093 ± 110 µg/mL (w/v)
		9779 ± 106 µg/g (w/w)

Storage Conditions: Store at Room Temperature (15°C to 30°C)

Intended Use: This solution is intended for use as a certified reference material or calibration standard for inductively coupled plasma optical emission spectroscopy (ICP-OES), inductively coupled plasma mass spectrometry (ICP-MS), atomic absorption spectroscopy (flame AAS or GFAAS), microwave plasma atomic emission spectroscopy (MP-AES), x-ray fluorescence spectroscopy (XRF), and other techniques for elemental analysis.

Certification & Traceability: This CRM was manufactured under a quality management system that is accredited to **ISO 17034, ISO/IEC 17025**, and registered to **ISO 9001**. This CRM was prepared to a nominal concentration of 10000 µg/mL by gravimetric methods using an appropriate concentrate dissolved in high purity nitric acid (HNO_3) and diluted with ASTM Type I Water. The balances used in the preparation of this CRM are calibrated regularly with traceability to NIST. All volumetric dilutions are performed in Class A calibrated glassware. The certified concentration and uncertainty were determined using the "High Performance ICP-OES" protocol developed by NIST and both the certified concentration and uncertainty values are traceable to NIST SRM 3168a, lot #120629. The uncertainty associated with the certified concentration represents the expanded uncertainty at the 95% confidence level using a coverage factor of k=2.

Uncertified Values: Agilent ICP-MS was used to determine trace metal concentrations for this product (nd = not determined).

Trace Concentrations (µg/L)

Ag	<5	Co	<10	Ge	<5	Lu	<2	P	<1000	Sb	<5	Te	<10
Al	<20	Cs	<5	Hf	<2	Mg	<50	Pb	<10	Sc	<50	Ti	<20
As	<20	Cr	<5	Hg	<5	Mn	<10	Pd	<5	Se	<20	Tl	<5
Au	<5	Cu	<10	Ho	<2	Mo	<5	Pr	<2	Si	<1000	Tm	<2
B	<50	Dy	<2	In	nd	Na	<250	Pt	<5	Sm	<2	V	<10
Ba	<10	Er	<2	Ir	<2	Nb	<5	Rb	<5	Sn	<5	W	<5
Bi	<2	Eu	<2	K	<250	Nd	<2	Re	<2	Sr	<10	Y	<5
Ca	<250	Fe	<100	La	<5	Ni	<20	Rh	<5	Ta	<5	Yb	<2
Cd	<5	Ga	<5	Li	<20	Os	<5	Ru	<5	Tb	<5	Zn	MAJOR
Ce	<2	Gd	<2										

Instructions for Use: Agilent recommends that the solution be thoroughly mixed by repeated shaking or swirling of the bottle immediately prior to use. To achieve the highest accuracy the analyst should: (1) use only pre-cleaned containers and transferware, (2) avoid pipetting directly from the CRM's original container, (3) use a minimum sub-sample size of 500 µL, (4) make dilutions using calibrated balances or certified volumetric class A flasks and pipettes, (5) dilute to volume using the same matrix as the original CRM, and (6) never pour used product back into the original container. The solution should be kept tightly capped. Store at controlled room temperature per USP 35 (10.30.60). Do not freeze, heat, or expose to direct sunlight. Minimize exposure to moisture or high humidity.

DRAFT

Agilent

Period of Validity: Agilent ensures the accuracy of this solution until the expiration date shown below, provided the instructions for use are followed. During the period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution.

Date of Release:
30 November 2023

Date of Expiration:
Earlier of 14 November 2026 or 12 Months from Date opened.

Date Opened: _____

Sample lot approver:

Chuck Goudreau, Certifying Officer

DRAFT

Agilent

Hazard Information: Refer to the Safety Data Sheet (SDS), which can be obtained at www.agilent.com/chem/sds.

Homogeneity: This solution was determined to be homogeneous by procedures consistent with the requirements of ISO 17034 and ISO Guide 35. Replicate samples of the finished solution were analyzed to confirm its homogeneity, in accordance with QSP 6-13 Assessment of Homogeneity and Stability. To ensure homogeneity, users should not take a smaller sub-sample than specified in the Instructions for Use, as doing so will invalidate the certified values and uncertainties.

Further Information: Please contact Agilent for further information about this CRM.

Quality Certifications: This CRM was prepared under a quality management system that is:

- Registered to ISO 9001 – Quality Management Systems – Requirements (TUV NORD Cert. Reg. No. 44 100 16560231)
- Accredited to ISO 17034– General Requirements for the Competence of Reference Material Producers (A2LA Cert. No. 2848.02)
    - ISO 17034 references additional requirements specified in ISO Guide 31 and ISO Guide 35.
- Accredited to ISO/IEC 17025 – General Requirements for the Competence of Testing and Calibration Laboratories (A2LA Cert. No. 2848.01)
- LGC Standards, 276 Abby Road, Manchester, NH 03103

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Reagent

OP_Agilent456_00007

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Agilent
Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name: 8270 Custom Mix - 10 at 2000ug/mL (5mL)
Product Number: CUS-00003500
Storage Conditions: Store Refrigerated (2° to 8°C).

Lot Number: 0006715186
Lot Issue Date: 17-Nov-2022
Expiration Date: 31-Dec-2024

Component Name	CERTIFIED VALUES Concentration	Expanded Uncertainty	CAS#	Analyte Lot
1,3-dimethylnaphthalene	2001	± 10 µg/mL	000575-41-7	NT00962
BHT (2,6-di-tert-butyl-4-methylphenol)	2008	± 10 µg/mL	000128-37-0	NT02073
2-tert-butyl-p-cresol	2009	± 10 µg/mL	002409-55-4	RM15026-01
benzonitrile	2003	± 10 µg/mL	000100-47-0	RM03650
carbamazepin	2001	± 10 µg/mL	000298-46-4	RM05165
coumarin	2005	± 10 µg/mL	000091-64-5	RM01892
N-methylaniline	2000	± 10 µg/mL	000100-61-8	RM15275
pentachloronitrobenzene	2007	± 10 µg/mL	000082-68-8	RM20368
diphenyl ether	2003	± 10 µg/mL	000101-84-8	NT01385
N,N-dimethylaniline	2001	± 10 µg/mL	000121-69-7	RM15319

Matrix: methanol (methyl alcohol)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

DRAFT

Reagent

OP_Agilent457_00004

DRAFT

Agilent
Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name: Bisphenol A Std - 1000ug/mL (5mL)
Product Number: CUS-00003804
Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006715838
Lot Issue Date: 18-Nov-2022
Expiration Date: 31-Dec-2024

Component Name	CERTIFIED VALUES Concentration	Expanded Uncertainty	CAS#	Analyte Lot
bisphenol A	1002	± 5 µg/mL	000080-05-7	RM00927

Matrix: methylene chloride (dichloromethane)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Expiration of Certification:
The certification of this analytical reference standard is valid until the expiration date specified above, provided the material is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the material is damaged, contaminated, or otherwise modified.

DRAFT

Reagent

OP_BenzAcid_00014

DRAFT

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569731 **Lot No.:** A0193718

Description : 8270 List 1 / Std #10

8270 List 1 / Std #10 2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : July 31, 2024 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Indene	95-13-6	RD221018	98%	2,007.2 µg/mL	+/- 112.7560
2	Benzoic acid	65-85-0	MKCL7479	99%	2,009.9 µg/mL	+/- 112.9084

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

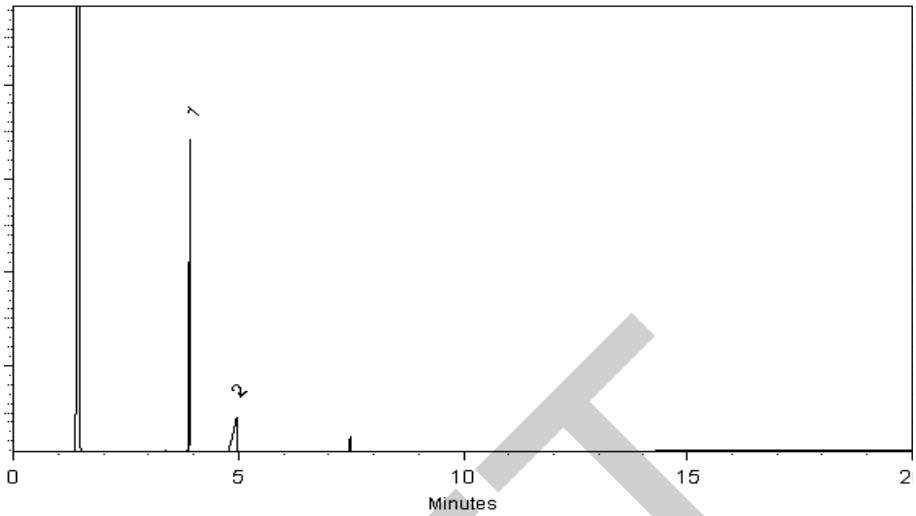
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Morgan Craighead - Mix Technician

Date Mixed: 18-Jan-2023 **Balance Serial #** 1128360905

Christie Mills - Operations Tech II - ARM QC

Date Passed: 23-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

DRAFT

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Reagent

OP_Benzald_sp_00020

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RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569732 **Lot No.:** A0193487

Description : 8270 List 1 / Std #11

8270 List 1 / Std #11 2,000µg/mL, Methylene chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : July 31, 2024 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzaldehyde	100-52-7	RDA102822RSR	99%	2,000.0 µg/mL	+/- 58.7396
2	epsilon-Caprolactam	105-60-2	I16X016	99%	2,000.3 µg/mL	+/- 58.7469
3	Atrazine	1912-24-9	PI8FG	99%	2,000.3 µg/mL	+/- 58.7494

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

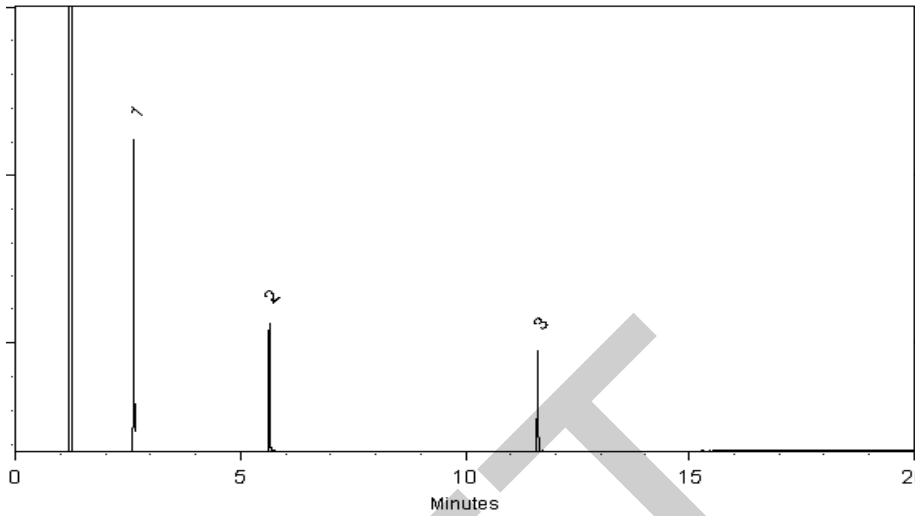
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

Date Mixed: 12-Jan-2023 **Balance Serial #** B442140311

Christie Mills - Operations Tech II - ARM QC

Date Passed: 16-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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OP_BNA_SURR_00012

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Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name: 8270 Surrogate Std - 6 at 5000ug/mL (5mL)

Product Number: CUS-00004795

Storage Conditions: Store Refrigerated (2° to 8°C).

Lot Number: 0006715760

Lot Issue Date: 22-Nov-2022

Expiration Date: 31-Dec-2024

[illegible]	[illegible]		[illegible]	[illegible]	[illegible]
2-fluorophenol	5003	±	25 µg/mL	000367-12-4	RM19622
phenol-d5	5003	±	25 µg/mL	004165-62-2	RM19366
nitrobenzene-d5	5018	±	25 µg/mL	004165-60-0	RM19321
2-fluorobiphenyl	5012	±	25 µg/mL	000321-60-8	RM19298
2,4,6-tribromophenol	5003	±	25 µg/mL	000118-79-6	RM10846
p-terphenyl-d14	5004	±	25 µg/mL	001718-51-0	RM17200

Matrix: methylene chloride (dichloromethane)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

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Reagent

OP_MEGA_2017_00014

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RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571995 **Lot No.:** A0204755

Description : 8270 List 1 / Std #1 MegaMix (2017)

8270 List 1 / Std #1 MegaMix (2017) 500-2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : May 31, 2025 **Storage:** 0°C or colder

Handling: Carcinogen/reproductive toxin. Photosensitive. Sonicate. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBQ2407	99%	1,005.5 µg/mL	+/- 18.5816
2	N-Nitrosodimethylamine	62-75-9	S231113RSR	99%	1,010.0 µg/mL	+/- 18.6648
3	Pyridine	110-86-1	SHBP6240	99%	2,016.2 µg/mL	+/- 37.2501
4	Phenol	108-95-2	MKCK1120	99%	1,006.3 µg/mL	+/- 18.5970
5	Aniline	62-53-3	X22F726	99%	1,007.7 µg/mL	+/- 18.6216
6	Bis(2-chloroethyl)ether	111-44-4	SHBL6942	99%	1,009.0 µg/mL	+/- 18.6463
7	n-Decane (C10)	124-18-5	SHBQ1342	99%	1,008.2 µg/mL	+/- 18.6309
8	2-Chlorophenol	95-57-8	STBJ3909	99%	1,008.7 µg/mL	+/- 18.6401
9	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.0 µg/mL	+/- 18.5539
10	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,009.7 µg/mL	+/- 18.6586
11	Benzyl alcohol	100-51-6	SHBK5469	99%	1,005.5 µg/mL	+/- 18.5816
12	1,2-Dichlorobenzene	95-50-1	SHBN3835	99%	1,008.3 µg/mL	+/- 18.6340
13	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,005.5 µg/mL	+/- 18.5816
14	2,2'-oxybis(1-chloropropane)	108-60-1	230609JLM	99%	1,007.7 µg/mL	+/- 18.6216
15	Acetophenone	98-86-2	STBH8205	99%	1,007.0 µg/mL	+/- 18.6093
16	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	503.0 µg/mL	+/- 9.2954

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17	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.0	µg/mL	+/- 9.2954
18	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,007.3	µg/mL	+/- 18.6155
19	Hexachloroethane	67-72-1	QTORH	99%	1,003.8	µg/mL	+/- 18.5508
20	Nitrobenzene	98-95-3	10224044	99%	1,004.3	µg/mL	+/- 18.5600
21	Isophorone	78-59-1	MKCC9506	99%	1,005.5	µg/mL	+/- 18.5816
22	2-Nitrophenol	88-75-5	RP230710	99%	1,005.5	µg/mL	+/- 18.5816
23	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,003.8	µg/mL	+/- 18.5508
24	Bis(2-chloroethoxy)methane	111-91-1	14407100	99%	1,009.3	µg/mL	+/- 18.6524
25	2,4-Dichlorophenol	120-83-2	BCBZ6787	99%	1,005.2	µg/mL	+/- 18.5754
26	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.3	µg/mL	+/- 18.5970
27	Naphthalene	91-20-3	STBL1057	99%	1,005.0	µg/mL	+/- 18.5724
28	2,6-Dichlorophenol	87-65-0	MKCP7682	99%	1,009.2	µg/mL	+/- 18.6494
29	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,008.2	µg/mL	+/- 18.6309
30	Hexachlorobutadiene	87-68-3	RP230823RSR	98%	1,007.1	µg/mL	+/- 18.6114
31	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,005.8	µg/mL	+/- 18.5878
32	2-Methylnaphthalene	91-57-6	STBK0259	96%	1,000.0	µg/mL	+/- 18.4800
33	1-Methylnaphthalene	90-12-0	5234.00-8	98%	999.6	µg/mL	+/- 18.4726
34	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,009.5	µg/mL	+/- 18.6555
35	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,007.9	µg/mL	+/- 18.6265
36	2,4,6-Trichlorophenol	88-06-2	STBJ5914	99%	1,005.5	µg/mL	+/- 18.5816
37	2,4,5-Trichlorophenol	95-95-4	FHN01	98%	1,008.3	µg/mL	+/- 18.6325
38	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.2	µg/mL	+/- 18.5570
39	Biphenyl	92-52-4	MKCL6515	99%	1,005.0	µg/mL	+/- 18.5724
40	2-Nitroaniline	88-74-4	RP230531	99%	1,009.7	µg/mL	+/- 18.6586
41	Acenaphthylene	208-96-8	p06V	98%	1,008.7	µg/mL	+/- 18.6416
42	1,3-Dinitrobenzene	99-65-0	1-DXX-24-1	99%	1,007.5	µg/mL	+/- 18.6186
43	Dimethylphthalate	131-11-3	358221L17K	99%	1,009.5	µg/mL	+/- 18.6555
44	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,007.7	µg/mL	+/- 18.6216
45	3-Nitroaniline	99-09-2	RP231103CTH-1	99%	1,007.2	µg/mL	+/- 18.6124
46	Acenaphthene	83-32-9	MKCR7169	99%	1,008.5	µg/mL	+/- 18.6370
47	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	2,018.7	µg/mL	+/- 37.2963
48	Dibenzofuran	132-64-9	MKCN1772	99%	1,004.0	µg/mL	+/- 18.5539
49	4-Nitrophenol	100-02-7	RP230627	99%	2,019.0	µg/mL	+/- 37.3025
50	2,4-Dinitrotoluene	121-14-2	MKAA0690V	99%	1,006.8	µg/mL	+/- 18.6062
51	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,010.0	µg/mL	+/- 18.6648
52	Fluorene	86-73-7	10241100	99%	1,010.0	µg/mL	+/- 18.6648

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53	n-Hexadecane (C16)	544-76-3	SHBP8192	99%	1,003.8	µg/mL	+/- 18.5508
54	Diethylphthalate	84-66-2	BCCD3396	99%	1,008.7	µg/mL	+/- 18.6401
55	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,005.3	µg/mL	+/- 18.5785
56	4-Nitroaniline	100-01-6	RP230111	99%	1,005.5	µg/mL	+/- 18.5816
57	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	230718JLM	99%	2,018.5	µg/mL	+/- 37.2933
58	Diphenylamine	122-39-4	MKCT1512	99%	856.3	µg/mL	+/- 15.8250
59	Azobenzene	103-33-3	BCCK0887	99%	1,005.5	µg/mL	+/- 18.5816
60	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,005.2	µg/mL	+/- 18.5754
61	Hexachlorobenzene	118-74-1	14821700	99%	1,008.0	µg/mL	+/- 18.6278
62	Pentachlorophenol	87-86-5	RP231108CTH	99%	2,017.7	µg/mL	+/- 37.2779
63	n-Octadecane (C18)	593-45-3	UE5NG	98%	1,008.9	µg/mL	+/- 18.6446
64	Phenanthrene	85-01-8	MKCS5188	99%	1,009.5	µg/mL	+/- 18.6555
65	Anthracene	120-12-7	MKCR0570	99%	1,008.8	µg/mL	+/- 18.6432
66	Carbazole	86-74-8	14351100	99%	1,006.8	µg/mL	+/- 18.6062
67	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,007.3	µg/mL	+/- 18.6155
68	Fluoranthene	206-44-0	MKCQ4728	99%	1,007.5	µg/mL	+/- 18.6186
69	Pyrene	129-00-0	BCCG8479	98%	1,007.3	µg/mL	+/- 18.6144
70	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,009.8	µg/mL	+/- 18.6617
71	Benz(a)anthracene	56-55-3	I30012022BAA	99%	1,009.2	µg/mL	+/- 18.6494
72	Chrysene	218-01-9	RP231102CTH	99%	1,007.7	µg/mL	+/- 18.6216
73	Bis(2-ethylhexyl)phthalate	117-81-7	MKCQ3468	99%	1,007.3	µg/mL	+/- 18.6155
74	Di-n-octyl phthalate	117-84-0	14783100	99%	1,004.7	µg/mL	+/- 18.5662
75	Benzo(b)fluoranthene	205-99-2	012013B	99%	1,005.3	µg/mL	+/- 18.5785
76	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,003.7	µg/mL	+/- 18.5477
77	Benzo(a)pyrene	50-32-8	O45GL	98%	1,006.0	µg/mL	+/- 18.5903
78	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,007.0	µg/mL	+/- 18.6097
79	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,005.5	µg/mL	+/- 18.5816
80	Benzo(g,h,i)perylene	191-24-2	RP231003RSR	99%	1,009.8	µg/mL	+/- 18.6617

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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Specific Reference Material Notes:

N-nitrosodiphenylamine 1000 ug/mL equivalent when used for GC analysis. Actual formulation is diphenylamine 855 ug/mL.
N-Nitrosodiphenylamine is prone to breakdown in the injection port and will be converted to diphenylamine.
N-Nitrosodiphenylamine is also a reactive species that can initiate premature decomposition of other compounds in the mix. For these reasons diphenylamine is used in the preparation of this mixture. When comparing the response of this compound to mixtures manufactured using N-nitrosodiphenylamine, a difference in response will be observed.
This lot was approved even though the %D for 4,6-DN-2-MP was greater than 10%.

Tech Tips:

N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

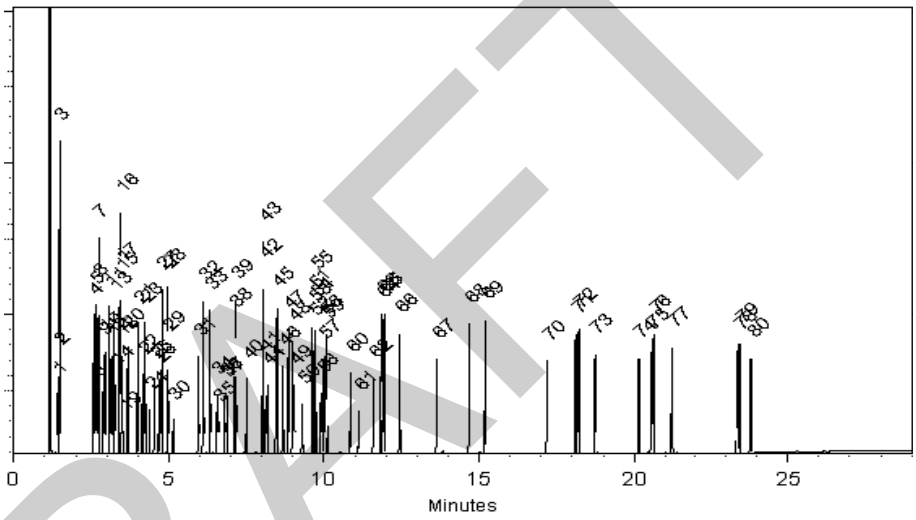
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 27-Nov-2023 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 30-Nov-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

DRAFT

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/µECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Reagent

OP_std #1_BNA_00013

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RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569730 **Lot No.:** A0194453

Description : 8270 List 1 / Std #9

8270 List 1 / Std #9 2,000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : August 31, 2024 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Benzidine	92-87-5	S221205RSR	99%	2,018.3 µg/mL	+/- 37.2902
2	3,3'-Dichlorobenzidine	91-94-1	S221201RSR	99%	2,018.6 µg/mL	+/- 37.2948

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

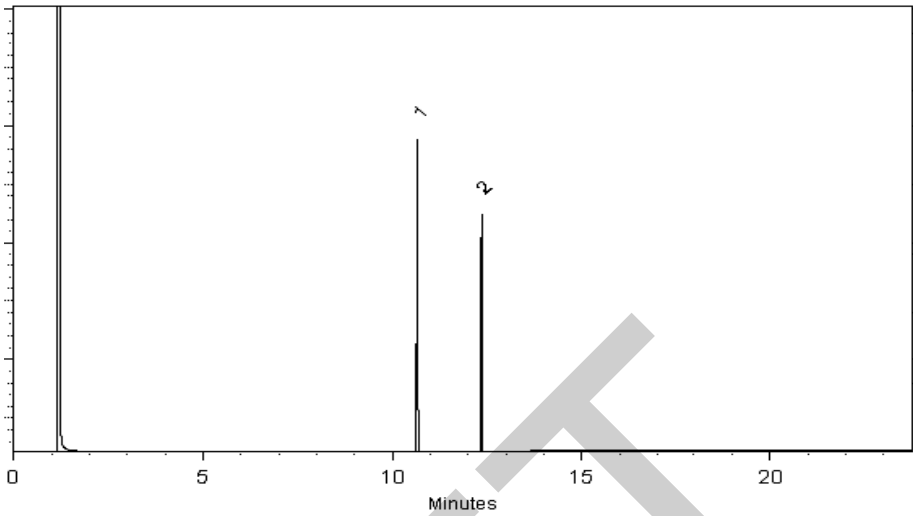
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
0.2µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Brittany Federinko - Operations Tech I

Date Mixed: 08-Feb-2023 **Balance Serial #** 1122030677

Christie Mills - Operations Tech II - ARM QC

Date Passed: 23-Feb-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

DRAFT

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

DRAFT

Reagent

SM_ISTD_00196

DRAFT

ISO 17034

Agilent
Trusted Answers

Reference Material Certificate

Product Name 8270 Internal Standard

Product Number CUS-00004805

Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006627459

Lot Issue Date: 02-Aug-2021

Expiration Date: 31-Aug-2024

Component Name	CERTIFIED VALUES Concentration	Expanded Uncertainty	CAS#	Analyte Lot
acenaphthene-d10	2000	± 10 µg/mL	015067-26-2	RM18766
chrysene-d12	2005	± 10 µg/mL	001719-03-5	RM15976
1,4-dichlorobenzene-d4	1998	± 10 µg/mL	003855-82-1	RM14980
naphthalene-d8	2001	± 10 µg/mL	001146-65-2	RM12698
perylene-d12	2000	± 10 µg/mL	001520-96-3	RM12612
phenanthrene-d10	2001	± 10 µg/mL	001517-22-2	RM17023

Matrix: methylene chloride (dichloromethane)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

DRAFT

Reagent

SM_ISTD_00197

DRAFT

Agilent
Trusted Answers

ISO 17034

Reference Material Certificate

Product Information Sheet

Product Name: 8270 Internal Std - 6 at 2000ug/mL (5mL)
Product Number: CUS-00004805
Storage Conditions: Store at Room Temperature (15° to 30°C).

Lot Number: 0006760251
Lot Issue Date: 13-Sep-2023
Expiration Date: 31-Oct-2026

Component Name	Concentration		Uncertainty	CAS#	Analyte Lot
acenaphthene-d10	2010	±	10 µg/mL	015067-26-2	RM18947
chrysene-d12	2008	±	10 µg/mL	001719-03-5	RM18746
1,4-dichlorobenzene-d4	2005	±	10 µg/mL	003855-82-1	RM19347
naphthalene-d8	2009	±	10 µg/mL	001146-65-2	RM19349
perylene-d12	2008	±	10 µg/mL	001520-96-3	RM19985
phenanthrene-d10	2005	±	10 µg/mL	001517-22-2	RM19350

Matrix: methylene chloride (dichloromethane)

Description:
This document is prepared in accordance with ISO 17034 and Guide 31. This analytical reference material standard was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed above.

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This analytical reference standard was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Safety:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this analytical reference material.

Intended Use:
This analytical reference standard is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

DRAFT

8270E

Semivolatile Organic Compounds (GC/MS)

DRAFT

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Matrix: Solid Level: Low

GC Column (1): Rtxi-5Sil M ID: 0.25(mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPHL #
SB-7-(0-2)	460-307050-1	43	50	44	53	61	64
SB-7-(9-11)	460-307050-2	72	71	56	76	92	88
SB-8-(0-2)	460-307050-3	61	65	62	70	73	82
SB-8-(9-11)	460-307050-4	63	63	64	66	59	74
SB-9-(0-2)	460-307050-5	52	56	52	60	65	70
SB-9-(9-11)	460-307050-6	59	60	60	63	54	66
	MB 460-983903/1-A	109	110	110	111	108	134
	LCS 460-983903/2-A	79	80	78	81	80	83
	LCSD 460-983903/3-A	78	78	77	79	80	82
	460-307009-B-6-G MS	61	60	59	58	56	65
	460-307009-B-6-H MSD	60	63	60	65	68	75

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	QC LIMITS
2FP = 2-Fluorophenol (Surr)	31-133
PHL = Phenol-d5 (Surr)	35-132
NBZ = Nitrobenzene-d5 (Surr)	31-120
FBP = 2-Fluorobiphenyl	38-128
TBP = 2,4,6-Tribromophenol (Surr)	24-137
TPHL = Terphenyl-d14 (Surr)	44-147

Column to be used to flag recovery values

FORM II 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: L37704.d

Lab ID: LCS 460-983903/2-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCS CONCENTRATION (mg/Kg)	LCS % REC	QC LIMITS REC	#
1,4-Dioxane	3.33	1.92	58	27-120	
2-Methylphenol	3.33	2.58	77	63-120	
3 & 4 Methylphenol	3.33	2.59	78	61-120	
Acenaphthene	3.33	2.71	81	65-120	
Acenaphthylene	3.33	2.66	80	64-120	
Anthracene	3.33	2.80	84	67-120	
Benzo[a]anthracene	3.33	2.75	83	66-120	
Benzo[a]pyrene	3.33	2.89	87	73-123	
Benzo[b]fluoranthene	3.33	2.86	86	70-125	
Benzo[g,h,i]perylene	3.33	3.31	99	66-120	
Benzo[k]fluoranthene	3.33	2.87	86	67-122	
Chrysene	3.33	2.83	85	67-120	
Dibenz(a,h)anthracene	3.33	3.38	101	66-128	
Dibenzofuran	3.33	2.79	84	61-120	
Fluoranthene	3.33	2.73	82	61-120	
Fluorene	3.33	2.72	81	64-120	
Hexachlorobenzene	3.33	2.95	88	66-120	
Indeno[1,2,3-cd]pyrene	3.33	3.33	100	71-137	
Naphthalene	3.33	2.65	79	63-120	
Pentachlorophenol	6.67	5.77	87	61-126	
Phenanthrene	3.33	2.79	84	66-120	
Phenol	3.33	2.60	78	63-120	
Pyrene	3.33	2.83	85	61-121	

DRAFT

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: L37705.d

Lab ID: LCSD 460-983903/3-A Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	LCSD CONCENTRATION (mg/Kg)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,4-Dioxane	3.33	1.86	56	3	30	27-120	
2-Methylphenol	3.33	2.61	78	1	30	63-120	
3 & 4 Methylphenol	3.33	2.59	78	0	30	61-120	
Acenaphthene	3.33	2.65	80	2	30	65-120	
Acenaphthylene	3.33	2.64	79	1	30	64-120	
Anthracene	3.33	2.77	83	1	30	67-120	
Benzo[a]anthracene	3.33	2.74	82	0	30	66-120	
Benzo[a]pyrene	3.33	2.88	86	0	30	73-123	
Benzo[b]fluoranthene	3.33	2.84	85	0	30	70-125	
Benzo[g,h,i]perylene	3.33	3.28	98	1	30	66-120	
Benzo[k]fluoranthene	3.33	2.89	87	1	30	67-122	
Chrysene	3.33	2.82	85	0	30	67-120	
Dibenz(a,h)anthracene	3.33	3.33	100	1	30	66-128	
Dibenzofuran	3.33	2.74	82	2	30	61-120	
Fluoranthene	3.33	2.75	82	1	30	61-120	
Fluorene	3.33	2.70	81	1	30	64-120	
Hexachlorobenzene	3.33	2.88	86	2	30	66-120	
Indeno[1,2,3-cd]pyrene	3.33	3.27	98	2	30	71-137	
Naphthalene	3.33	2.63	79	1	30	63-120	
Pentachlorophenol	6.67	5.75	86	0	30	61-126	
Phenanthrene	3.33	2.79	84	0	30	66-120	
Phenol	3.33	2.58	77	1	30	63-120	
Pyrene	3.33	2.76	83	3	30	61-121	

DRAFT

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA MATRIX SPIKE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: L37707.d

Lab ID: 460-307009-B-6-G MS Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	SAMPLE CONCENTRATION (mg/Kg)	MS CONCENTRATION (mg/Kg)	MS % REC	QC LIMITS REC	#
1,4-Dioxane	8.38	0.083 U	3.14	38	27-120	
2-Methylphenol	8.38	0.83 U	4.63	55	63-120	*
3 & 4 Methylphenol	8.38	0.83 U	4.68	56	61-120	*
Acenaphthene	8.38	0.83 U	4.77	57	65-120	*
Acenaphthylene	8.38	0.83 U	4.68	56	64-120	*
Anthracene	8.38	0.83 U	4.83	58	67-120	*
Benzo[a]anthracene	8.38	0.083 U	4.78	57	66-120	*
Benzo[a]pyrene	8.38	0.083 U	4.95	59	73-123	*
Benzo[b]fluoranthene	8.38	0.083 U	5.01	60	70-125	*
Benzo[g,h,i]perylene	8.38	0.83 U	5.49	66	66-120	
Benzo[k]fluoranthene	8.38	0.083 U	5.07	61	67-122	*
Chrysene	8.38	0.83 U	4.97	59	67-120	*
Dibenz(a,h)anthracene	8.38	0.083 U	5.47	65	66-128	*
Dibenzofuran	8.38	0.83 U	4.86	58	61-120	*
Fluoranthene	8.38	0.83 U	4.66	56	61-120	*
Fluorene	8.38	0.83 U	4.71	56	64-120	*
Hexachlorobenzene	8.38	0.083 U	5.10	61	66-120	*
Indeno[1,2,3-cd]pyrene	8.38	0.083 U	5.37	64	71-137	*
Naphthalene	8.38	0.83 U	4.80	57	63-120	*
Pentachlorophenol	16.8	0.67 U	9.34	56	61-126	*
Phenanthrene	8.38	0.83 U	4.89	58	66-120	*
Phenol	8.38	0.83 U	4.62	55	63-120	*
Pyrene	8.38	0.83 U	5.29	63	61-121	

DRAFT

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Matrix: Solid Level: Low Lab File ID: L37708.d

Lab ID: 460-307009-B-6-H MSD Client ID:

COMPOUND	SPIKE ADDED (mg/Kg)	MSD CONCENTRATION (mg/Kg)	MSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,4-Dioxane	8.38	2.71	32	15	30	27-120	
2-Methylphenol	8.38	5.31	63	14	30	63-120	
3 & 4 Methylphenol	8.38	5.35	64	13	30	61-120	
Acenaphthene	8.38	5.61	67	16	30	65-120	
Acenaphthylene	8.38	5.54	66	17	30	64-120	
Anthracene	8.38	5.96	71	21	30	67-120	
Benzo[a]anthracene	8.38	5.90	70	21	30	66-120	
Benzo[a]pyrene	8.38	6.19	74	22	30	73-123	
Benzo[b]fluoranthene	8.38	6.18	74	21	30	70-125	
Benzo[g,h,i]perylene	8.38	7.21	86	27	30	66-120	
Benzo[k]fluoranthene	8.38	6.21	74	20	30	67-122	
Chrysene	8.38	6.20	74	22	30	67-120	
Dibenz(a,h)anthracene	8.38	7.25	87	28	30	66-128	
Dibenzofuran	8.38	5.87	70	19	30	61-120	
Fluoranthene	8.38	5.87	70	23	30	61-120	
Fluorene	8.38	5.74	68	20	30	64-120	
Hexachlorobenzene	8.38	6.15	73	19	30	66-120	
Indeno[1,2,3-cd]pyrene	8.38	7.06	84	27	30	71-137	
Naphthalene	8.38	5.17	62	7	30	63-120	*
Pentachlorophenol	16.8	12.0	71	25	30	61-126	
Phenanthrene	8.38	5.91	70	19	30	66-120	
Phenol	8.38	5.15	61	11	30	63-120	*
Pyrene	8.38	6.24	74	16	30	61-121	

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Column to be used to flag recovery and RPD values

FORM III 8270E

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Lab File ID: L37703.d Lab Sample ID: MB 460-983903/1-A

Matrix: Solid Date Extracted: 07/06/2024 10:42

Instrument ID: CBNAMS12 Date Analyzed: 07/07/2024 14:46

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 460-983903/2-A	L37704.d	07/07/2024 15:09
	LCSD 460-983903/3-A	L37705.d	07/07/2024 15:32
	460-307009-B-6-G MS	L37707.d	07/07/2024 16:18
	460-307009-B-6-H MSD	L37708.d	07/07/2024 16:40
SB-8-(0-2)	460-307050-3	L37720.d	07/07/2024 21:15
SB-8-(9-11)	460-307050-4	L37721.d	07/07/2024 21:38
SB-9-(0-2)	460-307050-5	L37722.d	07/07/2024 22:01
SB-9-(9-11)	460-307050-6	L37724.d	07/07/2024 22:46
SB-7-(0-2)	460-307050-1	L37727.d	07/07/2024 23:55
SB-7-(9-11)	460-307050-2	Z86957.d	07/08/2024 19:34

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FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Lab File ID: BFB Injection Date:

Instrument ID: BFB Injection Time:

Lab File ID: DFTPP Injection Date:

Instrument ID: DFTPP Injection Time:

Analysis Batch No.:

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE

NOTE: All ion abundances shall be normalized to m/z 95, the nominal base peak, even though the ion abundance of m/z 174 may be up to 120% that of m/z 95. Criteria based on EPA method 524.4.

NOTE: All ion abundances MUST be normalized to m/z 198, the nominal base peak, even though the ion abundance of m/z 442 may exceed that of m/z 198.

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 460-981832/2	Z86736.d	06/24/2024	6:06
	STD120 460-981832/3	Z86737.d	06/24/2024	6:28
	STD80 460-981832/4	Z86738.d	06/24/2024	6:51
	STD20 460-981832/5	Z86739.d	06/24/2024	7:14
	STD10 460-981832/6	Z86740.d	06/24/2024	7:36
	STD5 460-981832/7	Z86741.d	06/24/2024	7:59
	STD2 460-981832/8	Z86742.d	06/24/2024	8:22
	STD1 460-981832/9	Z86743.d	06/24/2024	8:44
	STD05 460-981832/10	Z86744.d	06/24/2024	9:07

DRAFT

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Lab File ID: L37503.d DFTPP Injection Date: 06/24/2024

Instrument ID: CBNAMS12 DFTPP Injection Time: 07:53

Analysis Batch No.: 981853

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
68	Less than 2% of m/z 69	1.0	(1.8) 1
69	Present	54.7	
70	Less than 2% of m/z 69	0.3	(0.5) 1
197	Less than 2% of m/z 198	0.0	
198	Base Peak	100.0	
199	5-9% of m/z 198	7.0	
365	Greater than 1% of Base Peak	3.5	
441	Less than 150% of m/z 443	20.5	(81.3) 3
442	Present	126.6	
443	15-24% of m/z 442	25.2	(19.9) 2

1-Value is % mass 69 2-Value is % mass 442 3-Value is % mass 443

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	ICIS 460-981853/2	L37504.d	06/24/2024	8:05
	STD120 460-981853/3	L37505.d	06/24/2024	8:28
	STD80 460-981853/4	L37506.d	06/24/2024	8:50
	STD20 460-981853/5	L37507.d	06/24/2024	9:13
	STD10 460-981853/6	L37508.d	06/24/2024	9:35
	STD5 460-981853/7	L37509.d	06/24/2024	9:58
	STD2 460-981853/8	L37510.d	06/24/2024	10:21
	STD1 460-981853/9	L37511.d	06/24/2024	10:43
	STD05 460-981853/10	L37512.d	06/24/2024	11:06
	ICV 460-981853/11	L37513.d	06/24/2024	11:29

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FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Sample No.: CCVIS 460-984002/2 Date Analyzed: 07/08/2024 08:34

Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): Z86929.d Heated Purge: (Y/N) N

Calibration ID: 97969

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		334203	4.12	1296716	5.36	694311	7.05
UPPER LIMIT		668406	4.62	2593432	5.86	1388622	7.55
LOWER LIMIT		167102	3.62	648358	4.86	347156	6.55
LAB SAMPLE ID	CLIENT SAMPLE ID						
460-307050-2	SB-7-(9-11)	244837	4.12	998584	5.36	537641	7.05

DRAFT

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Sample No.: CCVIS 460-984002/2 Date Analyzed: 07/08/2024 08:34

Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): Z86929.d Heated Purge: (Y/N) N

Calibration ID: 97969

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		1311241	8.47	1075011	11.09	1313353	12.92
UPPER LIMIT		2622482	8.97	2150022	11.59	2626706	13.42
LOWER LIMIT		655621	7.97	537506	10.59	656677	12.42
LAB SAMPLE ID	CLIENT SAMPLE ID						
460-307050-2	SB-7-(9-11)	1024710	8.47	815435	11.09	747527	12.93

DRAFT

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Sample No.: ICIS 460-981853/2 Date Analyzed: 06/24/2024 08:05

Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): L37504.d Heated Purge: (Y/N) N

Calibration ID: 97972

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		185169	4.37	712492	5.59	370486	7.27
UPPER LIMIT		370338	4.87	1424984	6.09	740972	7.77
LOWER LIMIT		92585	3.87	356246	5.09	185243	6.77
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-981853/11		209308	4.37	772493	5.59	395404	7.27

DRAFT

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Sample No.: ICIS 460-981853/2 Date Analyzed: 06/24/2024 08:05

Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): L37504.d Heated Purge: (Y/N) N

Calibration ID: 97972

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		682581	8.68	542415	11.35	673701	13.31
UPPER LIMIT		1365162	9.18	1084830	11.85	1347402	13.81
LOWER LIMIT		341291	8.18	271208	10.85	336851	12.81
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 460-981853/11		727077	8.68	586726	11.35	734284	13.31

DRAFT

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Sample No.: CCVIS 460-983942/2 Date Analyzed: 07/07/2024 13:52

Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): L37701.d Heated Purge: (Y/N) N

Calibration ID: 97972

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		135861	4.30	525098	5.52	283941	7.19
UPPER LIMIT		271722	4.80	1050196	6.02	567882	7.69
LOWER LIMIT		67931	3.80	262549	5.02	141971	6.69
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-983903/1-A		170924	4.29	641806	5.52	324907	7.19
LCS 460-983903/2-A		169898	4.30	624122	5.52	312000	7.19
LCSD 460-983903/3-A		160708	4.29	595168	5.52	300260	7.19
460-307009-B-6-G MS		188278	4.30	702190	5.52	351108	7.19
460-307009-B-6-H MSD		167390	4.30	620359	5.52	312576	7.19
460-307050-3	SB-8-(0-2)	175739	4.30	663914	5.52	326013	7.19
460-307050-4	SB-8-(9-11)	176902	4.29	656029	5.52	317607	7.19
460-307050-5	SB-9-(0-2)	171695	4.29	642319	5.52	314387	7.19
460-307050-6	SB-9-(9-11)	192084	4.29	713775	5.52	340260	7.19
460-307050-1	SB-7-(0-2)	153436	4.29	584149	5.52	302265	7.19

DRAFT

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Sample No.: CCVIS 460-983942/2 Date Analyzed: 07/07/2024 13:52

Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil MS ID: 0.25(mm)

Lab File ID (Standard): L37701.d Heated Purge: (Y/N) N

Calibration ID: 97972

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		551214	8.61	478340	11.26	611862	13.19
UPPER LIMIT		1102428	9.11	956680	11.76	1223724	13.69
LOWER LIMIT		275607	8.11	239170	10.76	305931	12.69
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 460-983903/1-A		583499	8.61	371418	11.26	422394	13.19
LCS 460-983903/2-A		546887	8.61	415786	11.26	549213	13.19
LCSD 460-983903/3-A		529457	8.61	408561	11.26	531241	13.19
460-307009-B-6-G MS		601798	8.61	407359	11.26	469568	13.19
460-307009-B-6-H MSD		555115	8.61	402934	11.26	505736	13.19
460-307050-3	SB-8-(0-2)	545642	8.61	401746	11.26	563330	13.19
460-307050-4	SB-8-(9-11)	525765	8.61	362625	11.26	505061	13.19
460-307050-5	SB-9-(0-2)	545225	8.61	434749	11.26	587730	13.19
460-307050-6	SB-9-(9-11)	553076	8.61	404342	11.26	553665	13.19
460-307050-1	SB-7-(0-2)	553928	8.61	441459	11.26	543597	13.20

DRAFT

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-307050-1

SDG No.:

Client Sample ID: SB-7-(0-2) | Lab Sample ID: 460-307050-1

Matrix: Solid | Lab File ID: L37727.d

Analysis Method: 8270E | Date Collected: 07/03/2024 08:30

Extract. Method: 3546 | Date Extracted: 07/06/2024 10:42

Sample wt/vol: 15.00(g) | Date Analyzed: 07/07/2024 23:55

Con. Extract Vol.: 1(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: 14.6 % Solids: 85.4 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 983942 | Units: mg/Kg

Preparation Batch No.: 983903 | Instrument ID: CBNAMS12

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.19	U	0.19	0.17
95-48-7	2-Methylphenol	1.9	U	1.9	0.072
15831-10-4	3 & 4 Methylphenol	1.9	U	1.9	0.12
83-32-9	Acenaphthene	1.9	U	1.9	0.055
208-96-8	Acenaphthylene	0.72	J	1.9	0.055
120-12-7	Anthracene	0.19	J	1.9	0.059
56-55-3	Benzo[a]anthracene	0.59		0.19	0.15
50-32-8	Benzo[a]pyrene	1.4		0.19	0.052
205-99-2	Benzo[b]fluoranthene	1.8		0.19	0.050
191-24-2	Benzo[g,h,i]perylene	1.4	J	1.9	0.057
207-08-9	Benzo[k]fluoranthene	0.57		0.19	0.038
218-01-9	Chrysene	0.81	J	1.9	0.081
53-70-3	Dibenz(a,h)anthracene	0.25		0.19	0.084
132-64-9	Dibenzofuran	1.9	U	1.9	0.065
206-44-0	Fluoranthene	1.3	J	1.9	0.068
86-73-7	Fluorene	0.060	J	1.9	0.057
118-74-1	Hexachlorobenzene	0.19	U	0.19	0.092
193-39-5	Indeno[1,2,3-cd]pyrene	1.3		0.19	0.076
91-20-3	Naphthalene	0.10	J	1.9	0.033
87-86-5	Pentachlorophenol	1.6	U	1.6	0.40
85-01-8	Phenanthrene	0.66	J	1.9	0.079
108-95-2	Phenol	1.9	U	1.9	0.071
129-00-0	Pyrene	1.1	J	1.9	0.048

DRAFT

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-307050-1

SDG No.:

Client Sample ID: SB-7-(0-2) | Lab Sample ID: 460-307050-1

Matrix: Solid | Lab File ID: L37727.d

Analysis Method: 8270E | Date Collected: 07/03/2024 08:30

Extract. Method: 3546 | Date Extracted: 07/06/2024 10:42

Sample wt/vol: 15.00(g) | Date Analyzed: 07/07/2024 23:55

Con. Extract Vol.: 1(mL) | Dilution Factor: 5

Injection Volume: 1(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: 14.6 % Solids: 85.4 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 983942 | Units: mg/Kg

Preparation Batch No.: 983903 | Instrument ID: CBNAMS12

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	61		24-137
321-60-8	2-Fluorobiphenyl	53		38-128
367-12-4	2-Fluorophenol (Surr)	43		31-133
4165-60-0	Nitrobenzene-d5 (Surr)	44		31-120
4165-62-2	Phenol-d5 (Surr)	50		35-132
1718-51-0	Terphenyl-d14 (Surr)	64		44-147

DRAFT

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37727.d
Lims ID: 460-307050-A-1-A
Client ID: SB-7-(0-2)
Sample Type: Client
Inject. Date: 07-Jul-2024 23:55:30 ALS Bottle#: 28 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info: 460-0178055-028
Operator ID: Instrument ID: CBNAMS12

Method: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\8270_12R_9.m
Limit Group: SV 8270E ICAL
Last Update: 08-Jul-2024 13:49:30 Calib Date: 24-Jun-2024 11:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37512.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: C8UP Date: 08-Jul-2024 13:49:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	3.024	3.015	0.009	94	22654	4.27	
$ 6 Phenol-d5	99	3.940	3.934	0.006	0	35487	4.97	
* 13 1,4-Dichlorobenzene-d4	152	4.292	4.295	-0.003	96	153436	40.0	
$ 26 Nitrobenzene-d5	82	4.844	4.842	0.002	88	26645	4.40	
* 36 Naphthalene-d8	136	5.518	5.519	-0.001	99	584149	40.0	
37 Naphthalene	128	5.537	5.536	-0.001	97	3915	0.2644	
$ 50 2-Fluorobiphenyl	172	6.552	6.551	0.001	97	57621	5.32	
61 Acenaphthylene	152	7.060	7.061	0.000	97	25434	1.85	
* 63 Acenaphthene-d10	164	7.191	7.191	0.000	96	302265	40.0	
69 Dibenzofuran	168	7.392	7.391	0.003	92	1354	0.1090	
74 Fluorene	166	7.718	7.714	0.003	95	1541	0.1548	
$ 79 2,4,6-Tribromophenol	330	7.948	7.949	-0.001	93	13468	6.07	
* 85 Phenanthrene-d10	188	8.607	8.610	-0.003	99	553928	40.0	
86 Phenanthrene	178	8.632	8.634	-0.001	97	23835	1.68	
87 Anthracene	178	8.683	8.679	0.002	97	6996	0.4842	
90 Fluoranthene	202	9.764	9.761	0.000	97	49798	3.29	
92 Pyrene	202	9.979	9.976	-0.002	97	46215	2.91	
$ 94 Terphenyl-d14	244	10.134	10.135	-0.001	97	84035	6.41	
99 Benzo[a]anthracene	228	11.251	11.257	0.001	96	22400	1.51	
* 100 Chrysene-d12	240	11.261	11.262	-0.001	98	441459	40.0	
101 Chrysene	228	11.293	11.283	0.002	98	28112	2.06	
104 Benzo[b]fluoranthene	252	12.651	12.666	0.005	98	70390	4.72	
105 Benzo[k]fluoranthene	252	12.687	12.687	0.000	97	22293	1.46	a
106 Benzo[a]pyrene	252	13.113	13.109	0.004	96	51609	3.67	
* 107 Perylene-d12	264	13.197	13.192	0.005	98	543597	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.800	14.832	0.001	98	50421	3.26	
109 Dibenz(a,h)anthracene	278	14.842	14.841	0.001	94	9545	0.6359	
110 Benzo[g,h,i]perylene	276	15.252	15.245	0.002	96	51865	3.62	

DRAFT

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

SM_ISTD_00197 Amount Added: 20.00 Units: uL Run Reagent

DRAFT

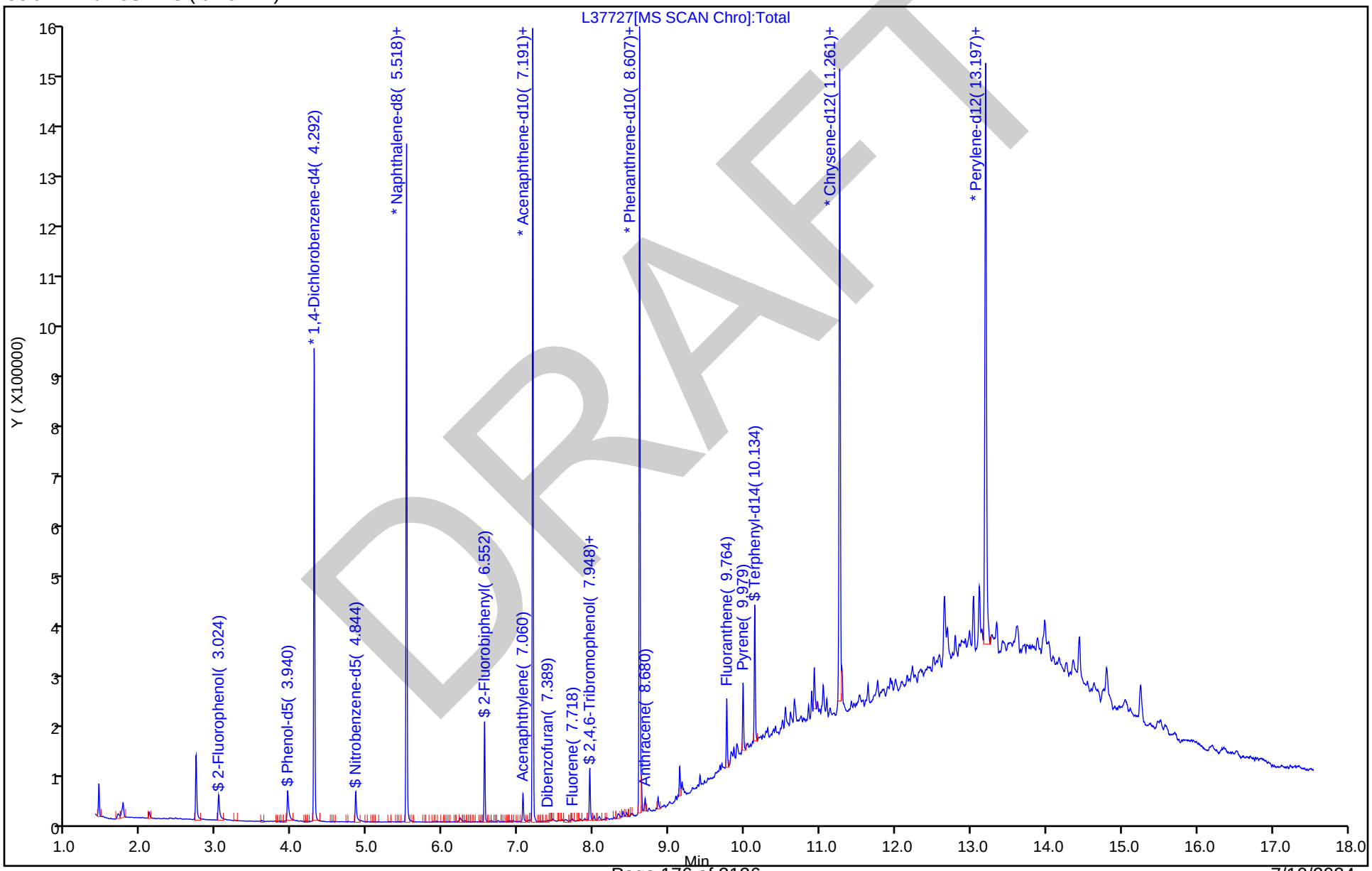
Report Date: 08-Jul-2024 13:49:31 Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37727.d

Injection Date:	07-Jul-2024 23:55:30	Instrument ID:	CBNAMS12	Operator ID:	
Lims ID:	460-307050-A-1-A	Lab Sample ID:	460-307050-1	Worklist Smp#:	28
Client ID:	SB-7-(0-2)				
Injection Vol:	1.0 ul	Dil. Factor:	5.0000	ALS Bottle#:	28
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



DRAFT

7/10/2024
4:48:04 PM

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37727.d
Lims ID: 460-307050-A-1-A
Client ID: SB-7-(0-2)
Sample Type: Client
Inject. Date: 07-Jul-2024 23:55:30 ALS Bottle#: 28 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Sample Info: 460-0178055-028
Operator ID: Instrument ID: CBNAMS12

Method: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\8270_12R_9.m
Limit Group: SV 8270E ICAL
Last Update: 08-Jul-2024 13:49:30 Calib Date: 24-Jun-2024 11:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37512.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: C8UP Date: 08-Jul-2024 13:49:30

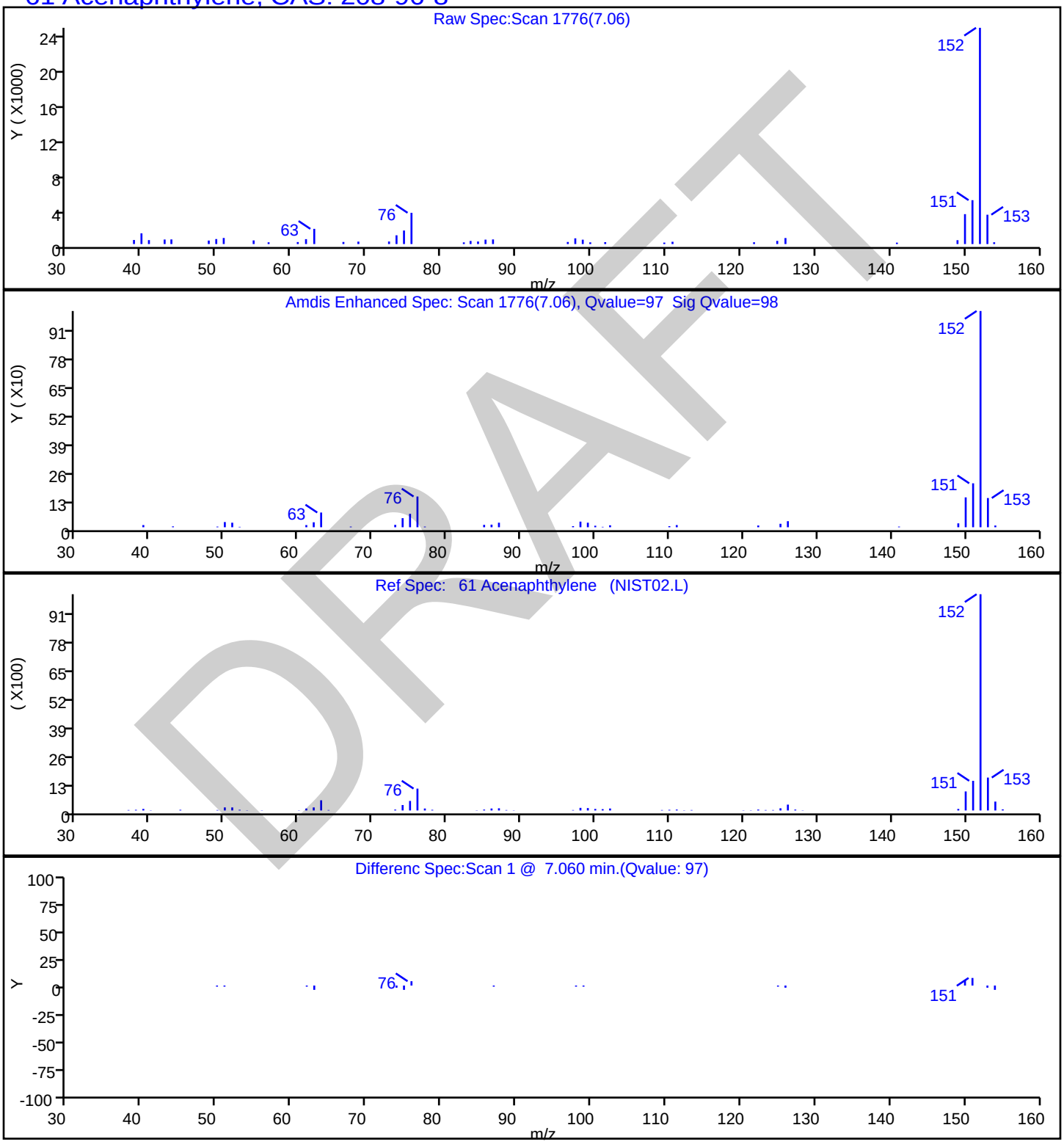
Compound	Amount Added	Amount Recovered	% Rec.
$ 4 2-Fluorophenol	50.0	4.27	42.67
$ 6 Phenol-d5	50.0	4.97	49.67
$ 26 Nitrobenzene-d5	50.0	4.40	43.97
$ 50 2-Fluorobiphenyl	50.0	5.32	53.18
$ 79 2,4,6-Tribromophenol	50.0	6.07	60.66
$ 94 Terphenyl-d14	50.0	6.41	64.06

DRAFT

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37727.d
Injection Date: 07-Jul-2024 23:55:30 Instrument ID: CBNAMS12
Lims ID: 460-307050-A-1-A Lab Sample ID: 460-307050-1
Client ID: SB-7-(0-2)
Operator ID: ALS Bottle#: 28 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Method: 8270_12R_9 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

61 Acenaphthylene, CAS: 208-96-8



DRAFT

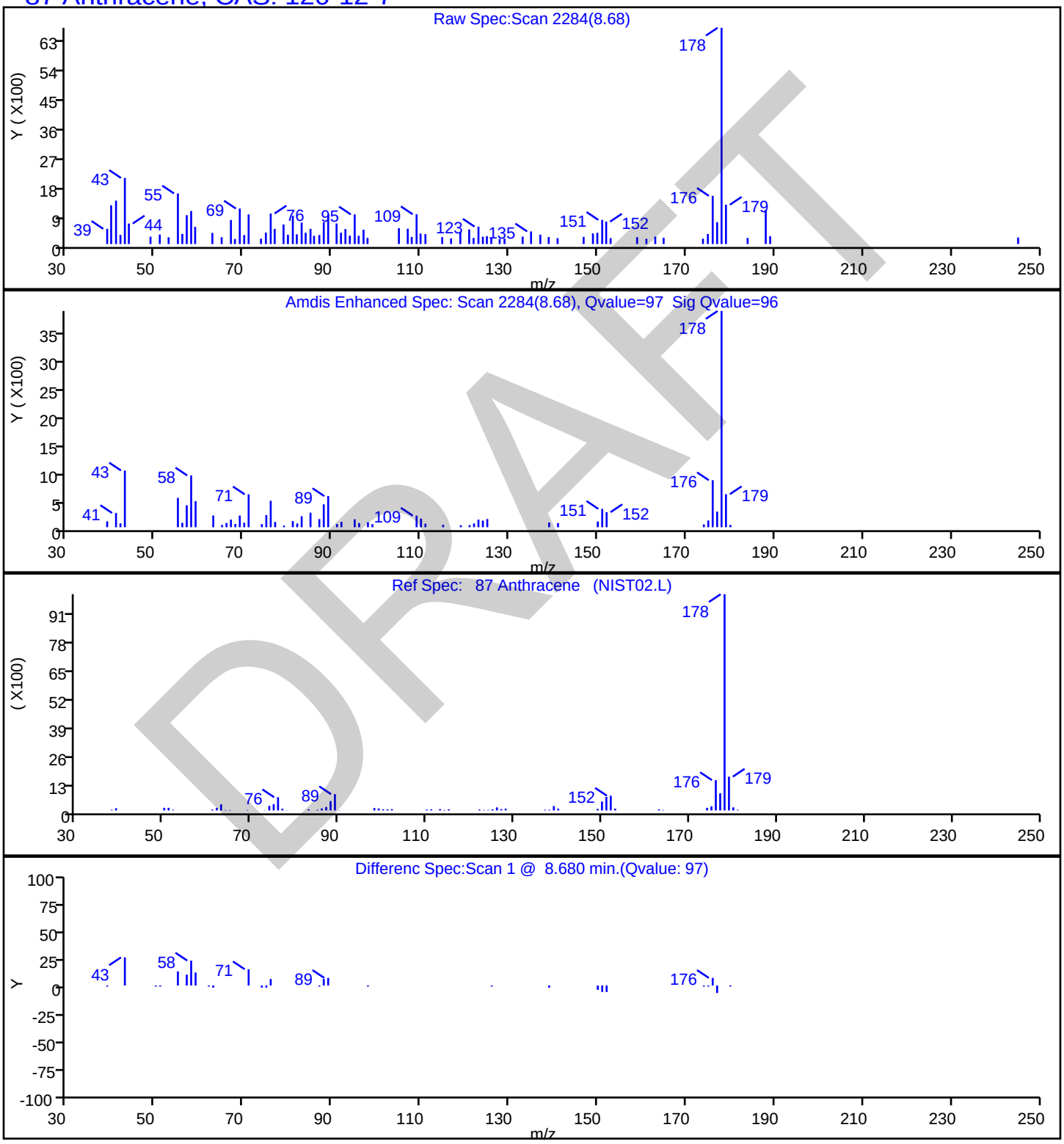
Report Date: 08-Jul-2024 13:49:31 Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37727.d

Injection Date:	07-Jul-2024 23:55:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-1-A	Lab Sample ID:	460-307050-1		
Client ID:	SB-7-(0-2)				
Operator ID:		ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

87 Anthracene, CAS: 120-12-7

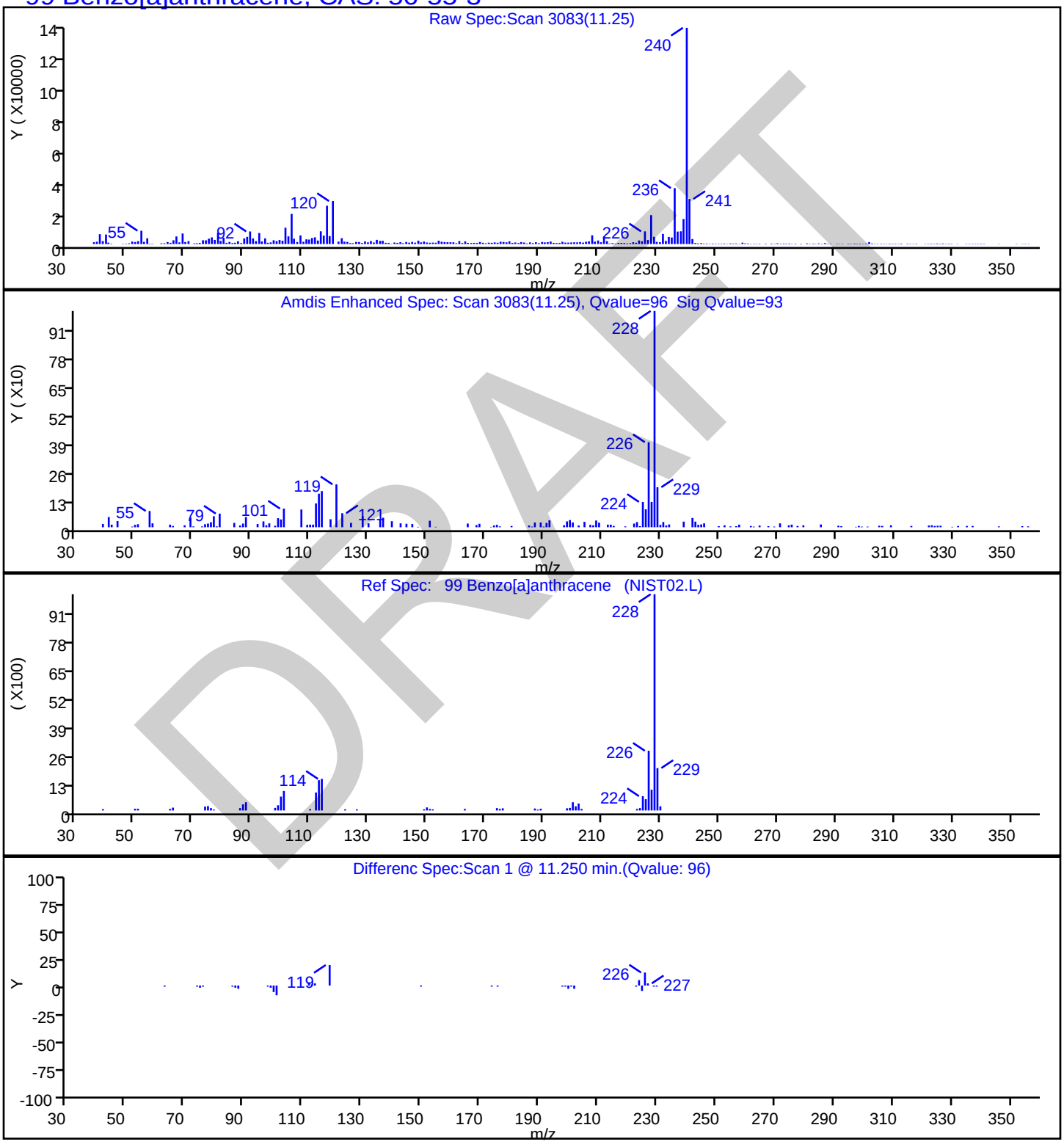


DRAFT

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37727.d
Injection Date: 07-Jul-2024 23:55:30 Instrument ID: CBNAMS12
Lims ID: 460-307050-A-1-A Lab Sample ID: 460-307050-1
Client ID: SB-7-(0-2)
Operator ID: ALS Bottle#: 28 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Method: 8270_12R_9 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

99 Benzo[a]anthracene, CAS: 56-55-3

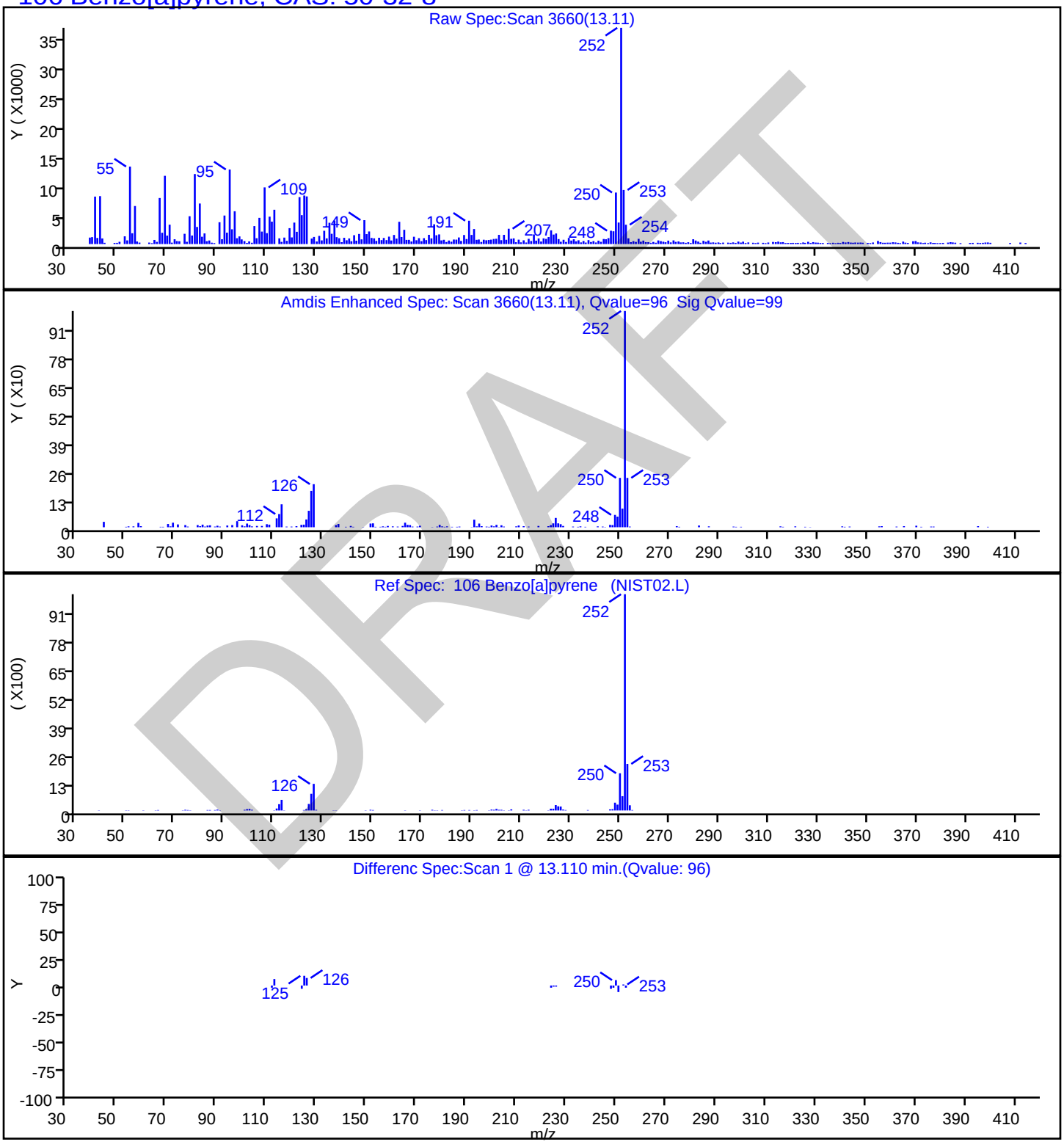


DRAFT

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37727.d
Injection Date: 07-Jul-2024 23:55:30 Instrument ID: CBNAMS12
Lims ID: 460-307050-A-1-A Lab Sample ID: 460-307050-1
Client ID: SB-7-(0-2)
Operator ID: ALS Bottle#: 28 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Method: 8270_12R_9 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

106 Benzo[a]pyrene, CAS: 50-32-8



DRAFT

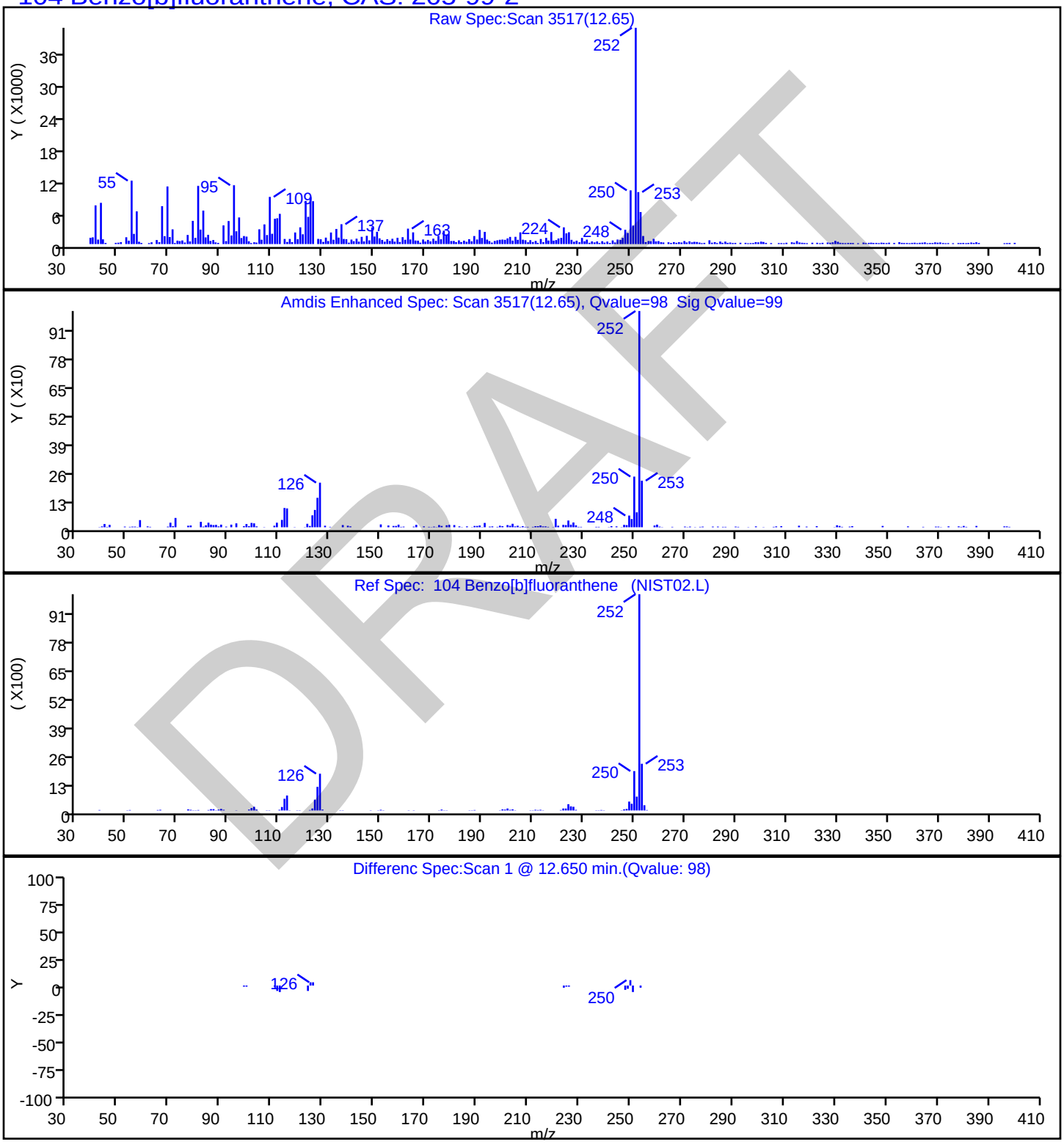
Report Date: 08-Jul-2024 13:49:31 Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37727.d

Injection Date:	07-Jul-2024 23:55:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-1-A	Lab Sample ID:	460-307050-1		
Client ID:	SB-7-(0-2)				
Operator ID:		ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

104 Benzo[b]fluoranthene, CAS: 205-99-2

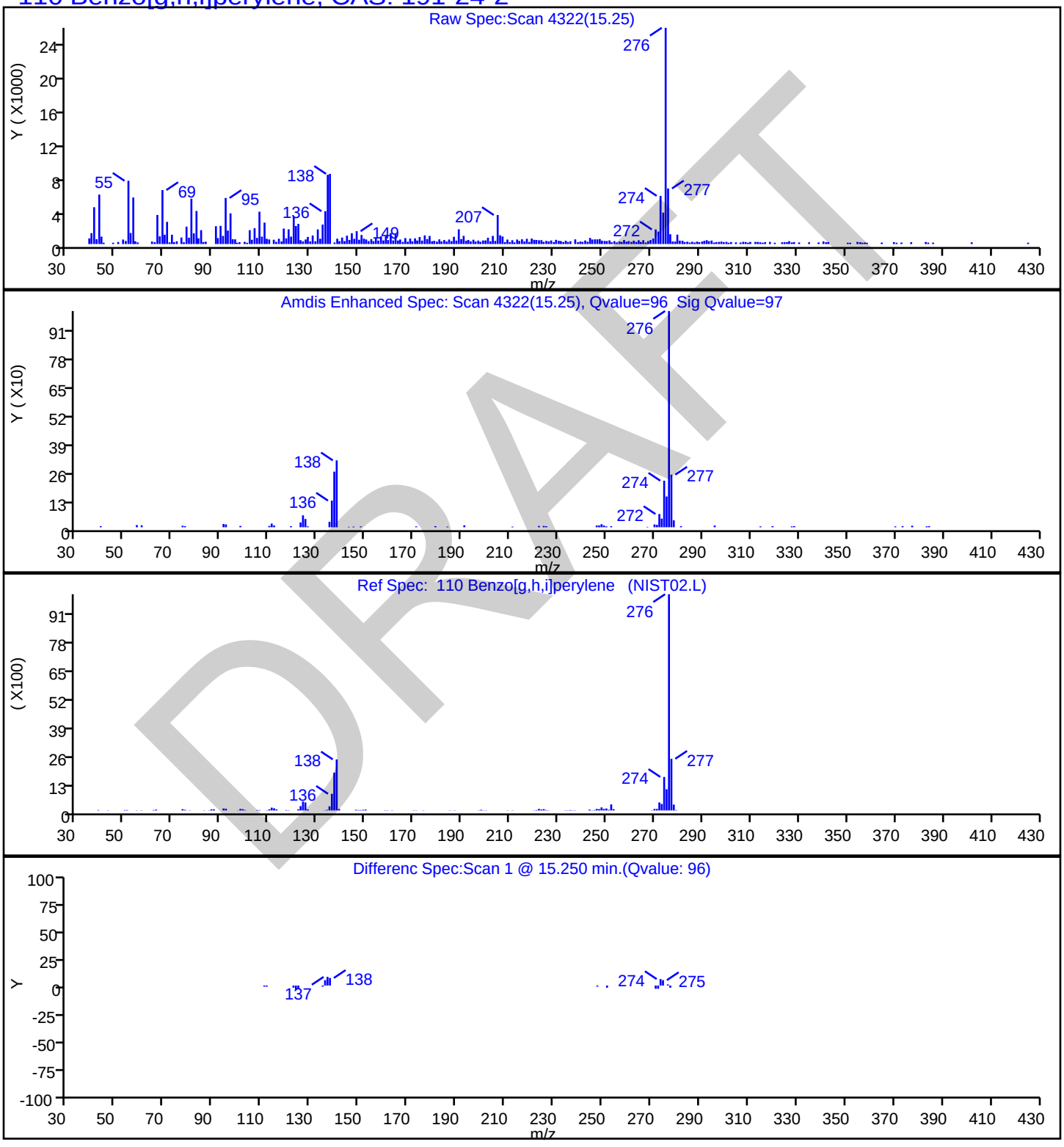


DRAFT

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37727.d				
Injection Date:	07-Jul-2024 23:55:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-1-A	Lab Sample ID:	460-307050-1		
Client ID:	SB-7-(0-2)				
Operator ID:		ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

110 Benzo[g,h,i]perylene, CAS: 191-24-2

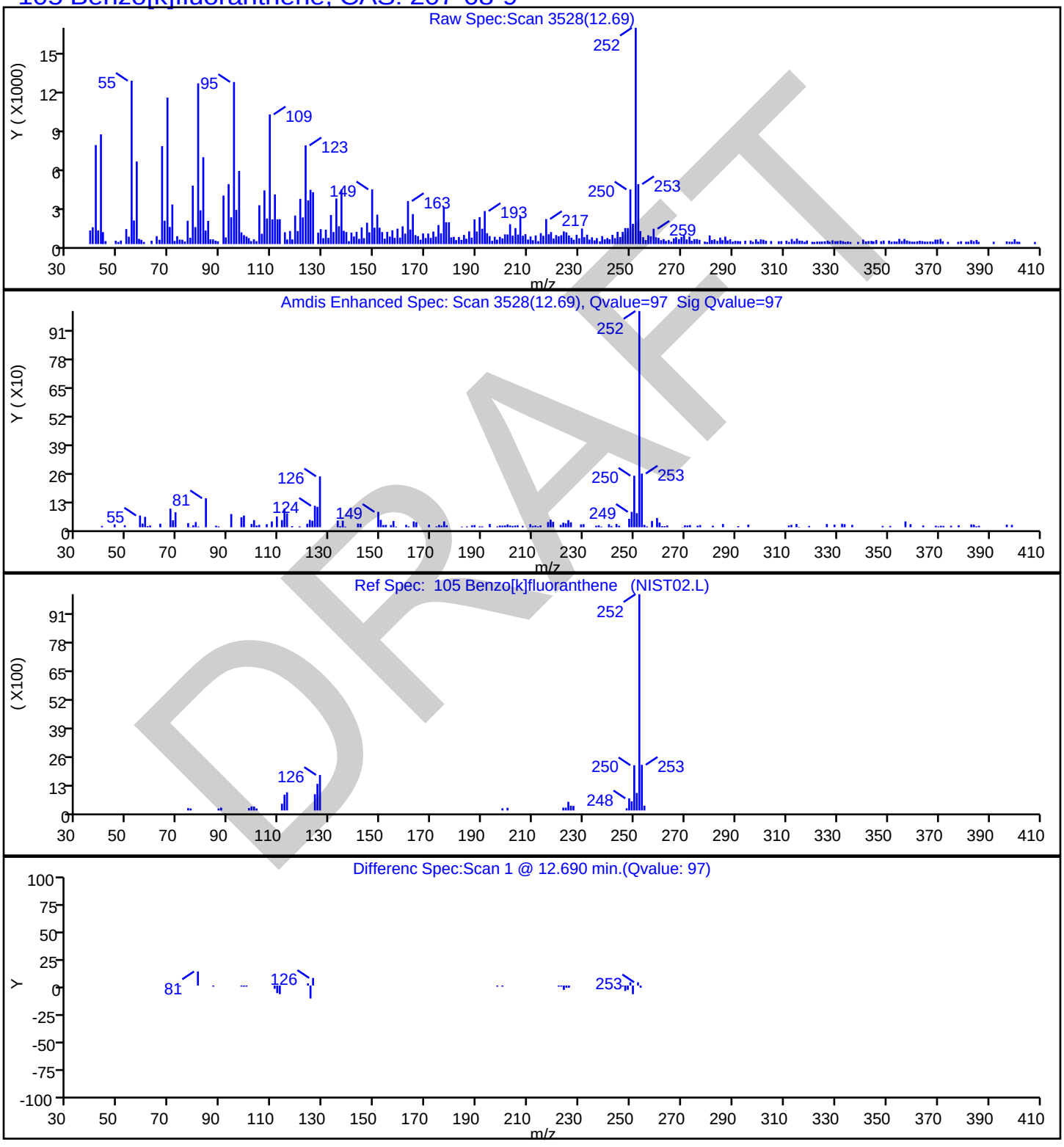


DRAFT

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37727.d				
Injection Date:	07-Jul-2024 23:55:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-1-A	Lab Sample ID:	460-307050-1		
Client ID:	SB-7-(0-2)				
Operator ID:		ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

105 Benzo[k]fluoranthene, CAS: 207-08-9

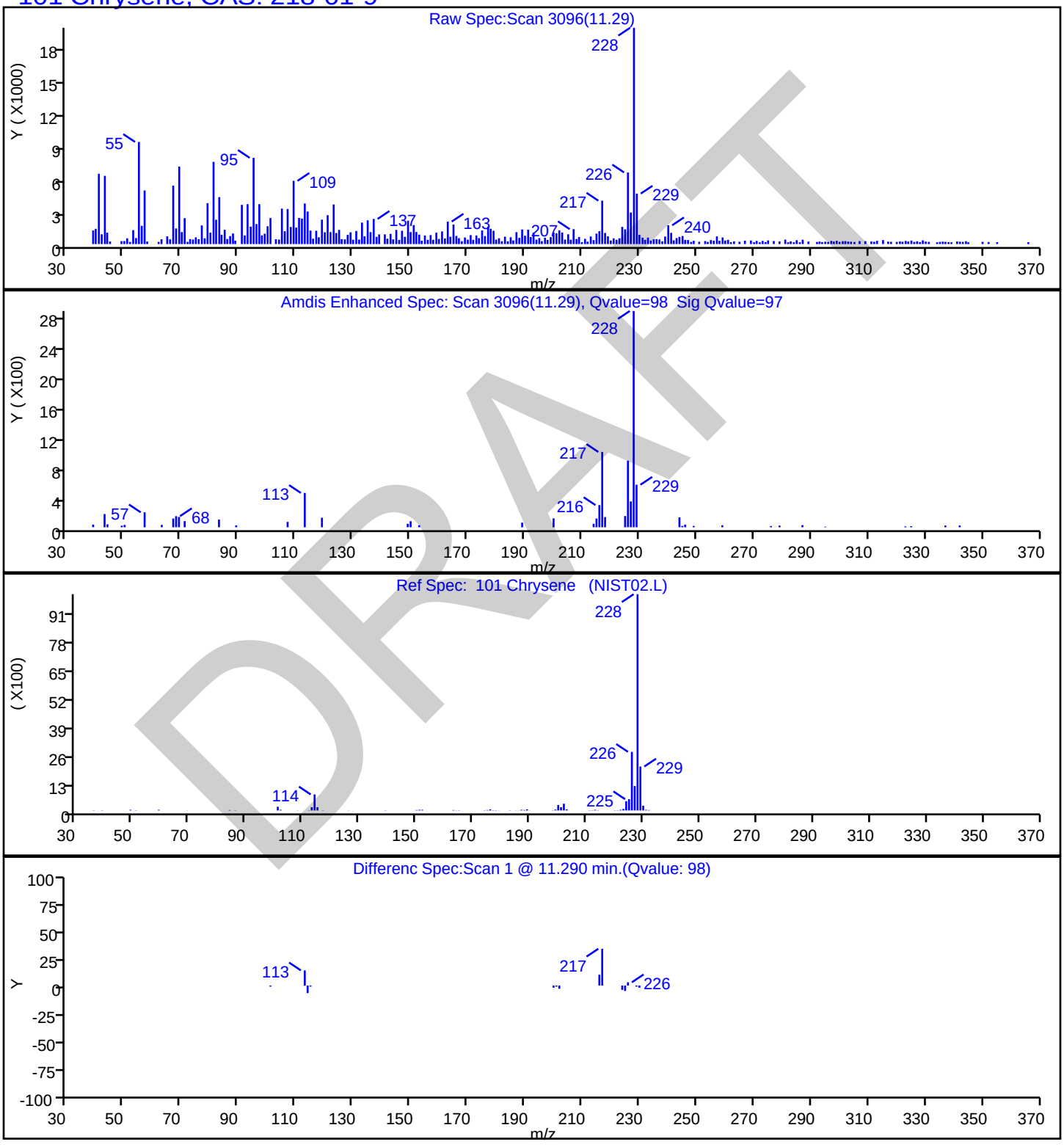


DRAFT

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37727.d				
Injection Date:	07-Jul-2024 23:55:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-1-A	Lab Sample ID:	460-307050-1		
Client ID:	SB-7-(0-2)				
Operator ID:		ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

101 Chrysene, CAS: 218-01-9

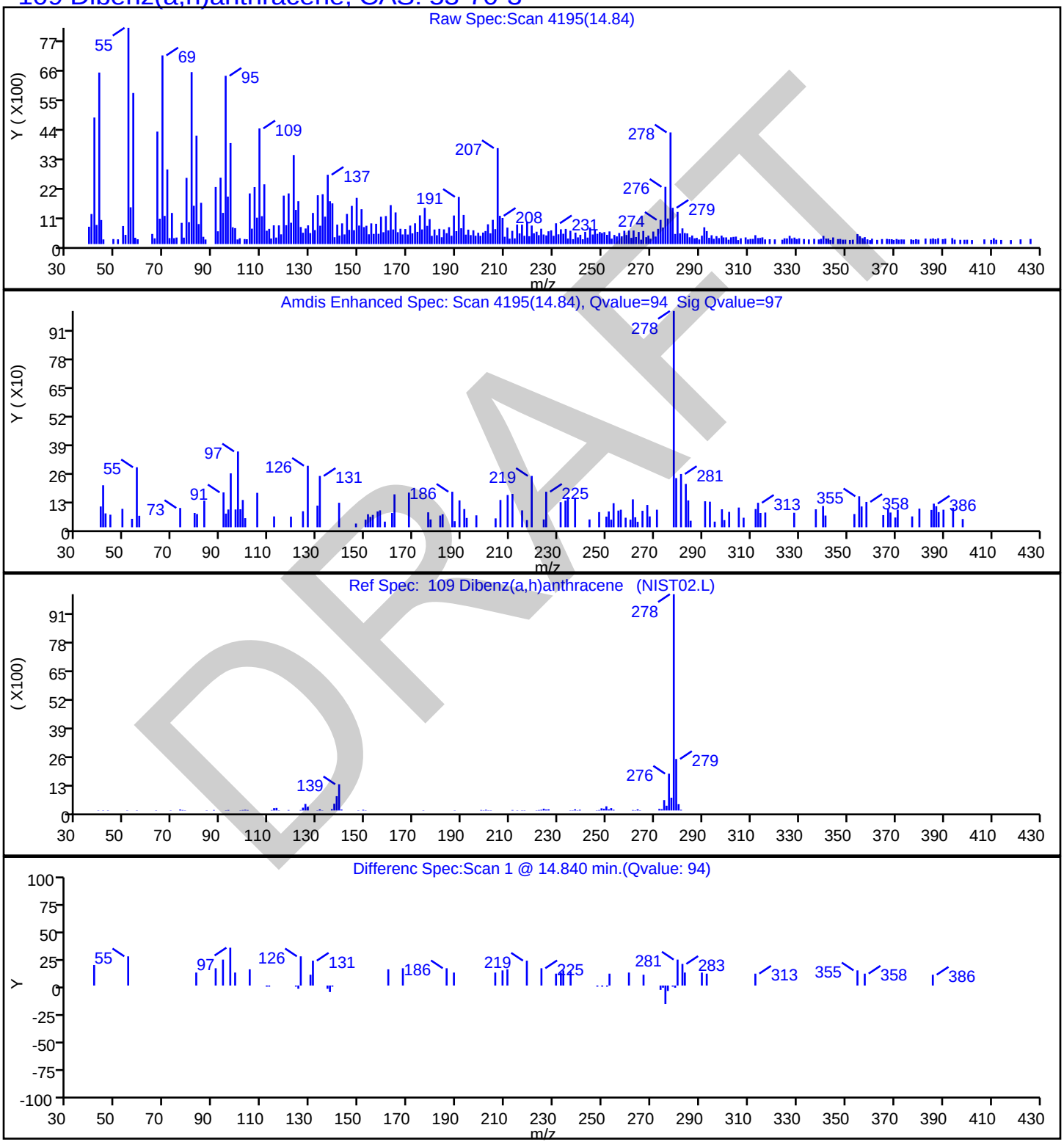


DRAFT

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37727.d				
Injection Date:	07-Jul-2024 23:55:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-1-A	Lab Sample ID:	460-307050-1		
Client ID:	SB-7-(0-2)				
Operator ID:		ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

109 Dibenz(a,h)anthracene, CAS: 53-70-3

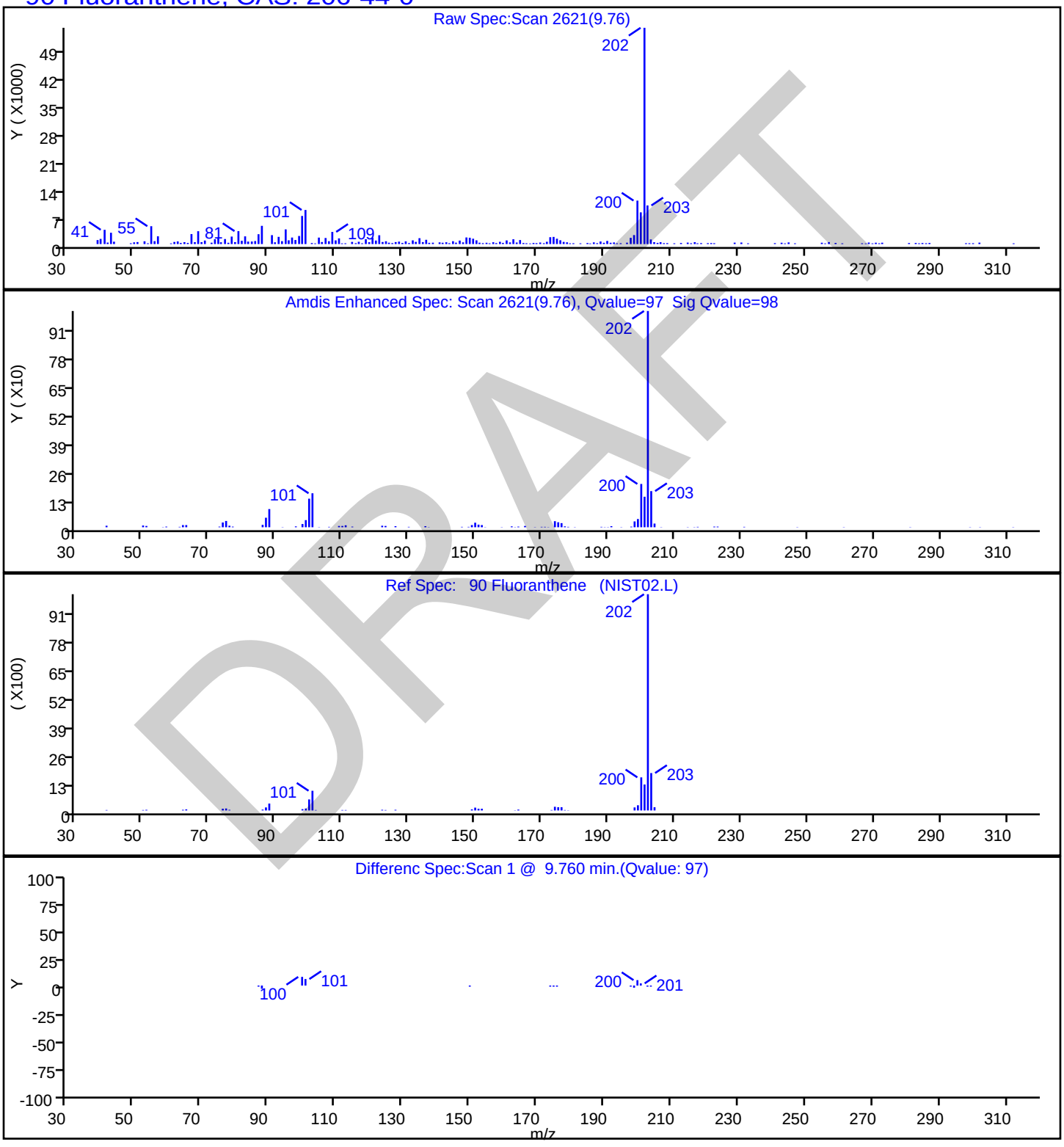


DRAFT

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37727.d				
Injection Date:	07-Jul-2024 23:55:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-1-A	Lab Sample ID:	460-307050-1		
Client ID:	SB-7-(0-2)				
Operator ID:		ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

90 Fluoranthene, CAS: 206-44-0

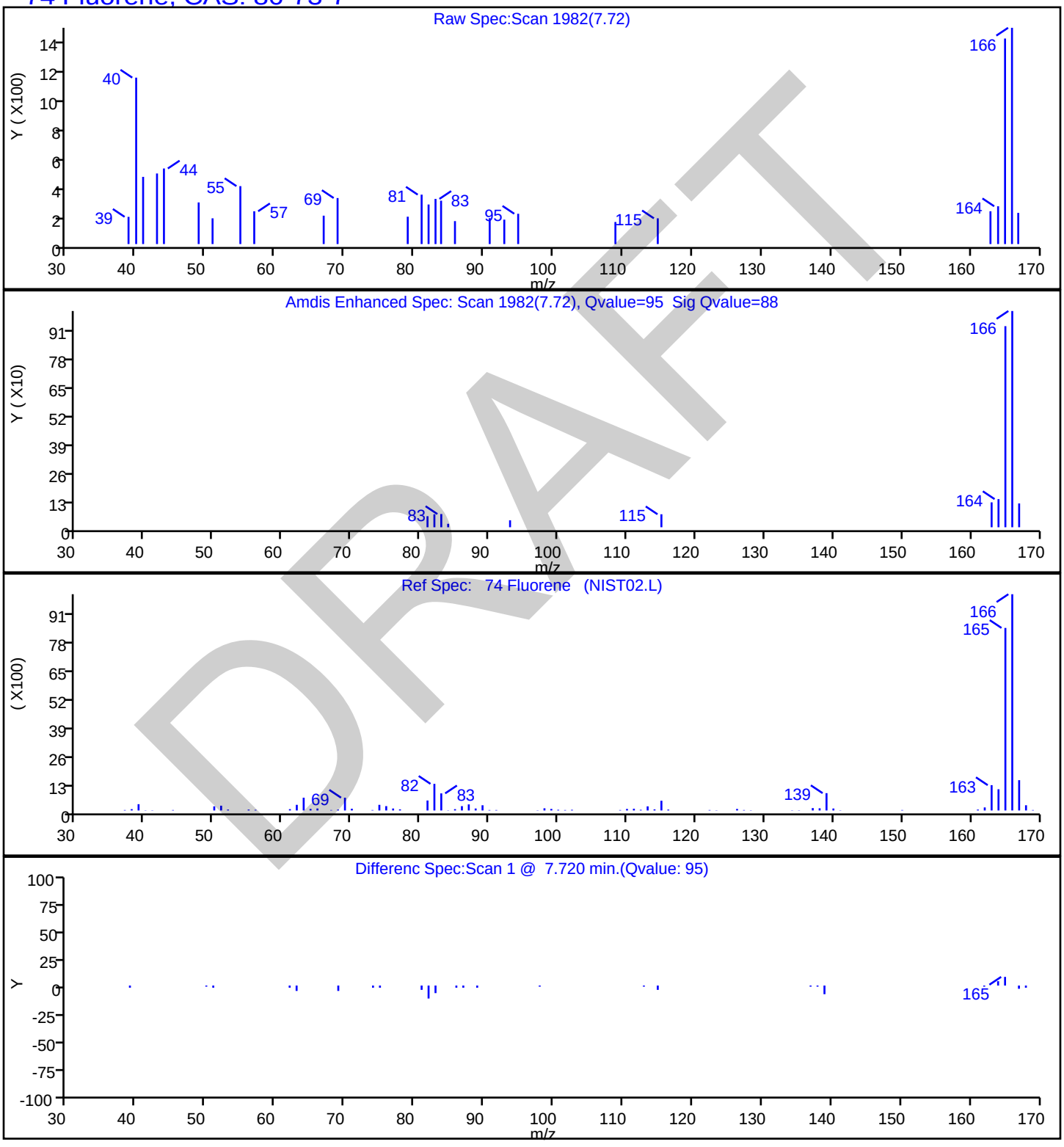


DRAFT

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37727.d				
Injection Date:	07-Jul-2024 23:55:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-1-A	Lab Sample ID:	460-307050-1		
Client ID:	SB-7-(0-2)				
Operator ID:		ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

74 Fluorene, CAS: 86-73-7

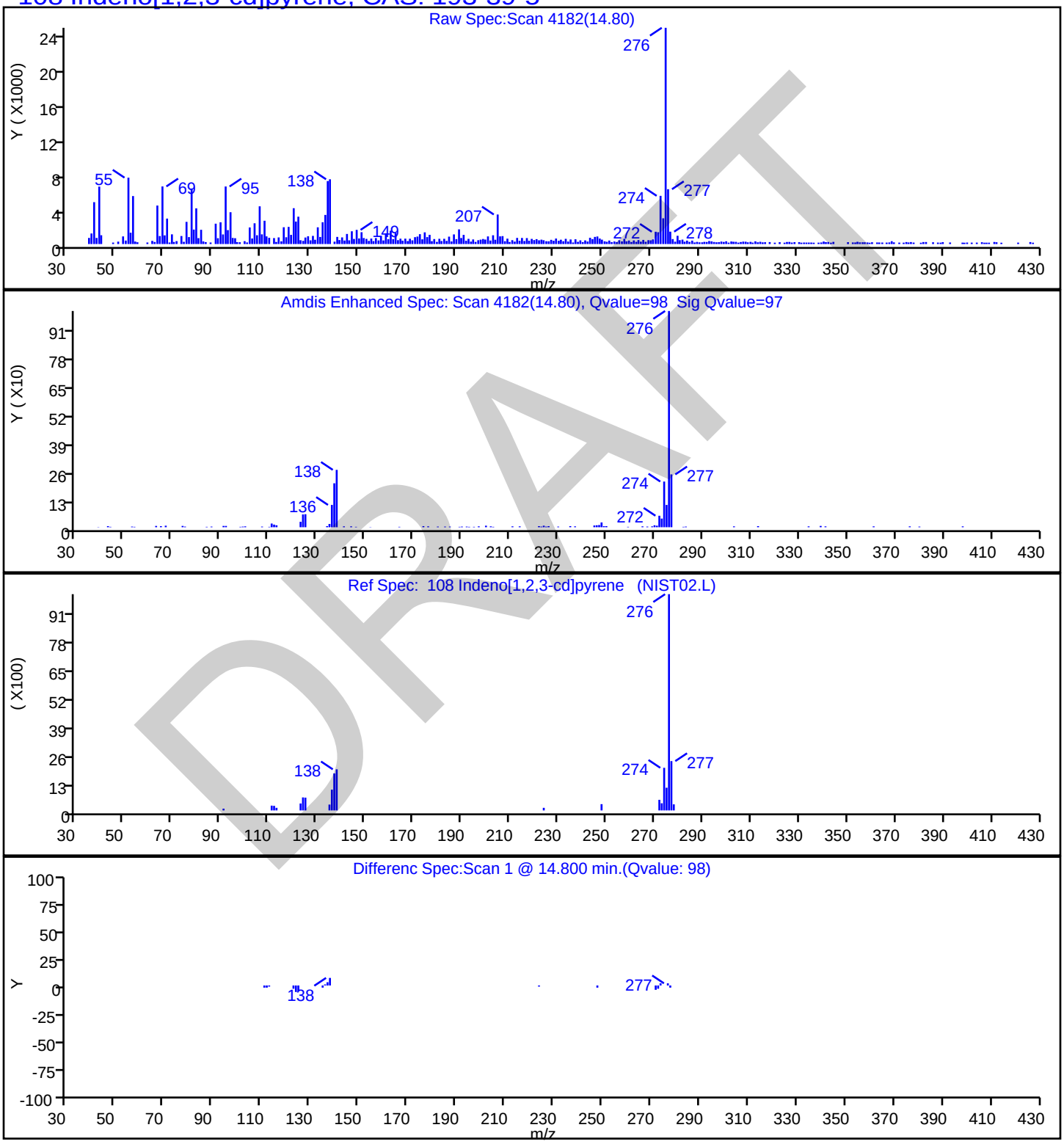


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Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37727.d				
Injection Date:	07-Jul-2024 23:55:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-1-A	Lab Sample ID:	460-307050-1		
Client ID:	SB-7-(0-2)				
Operator ID:		ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

108 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

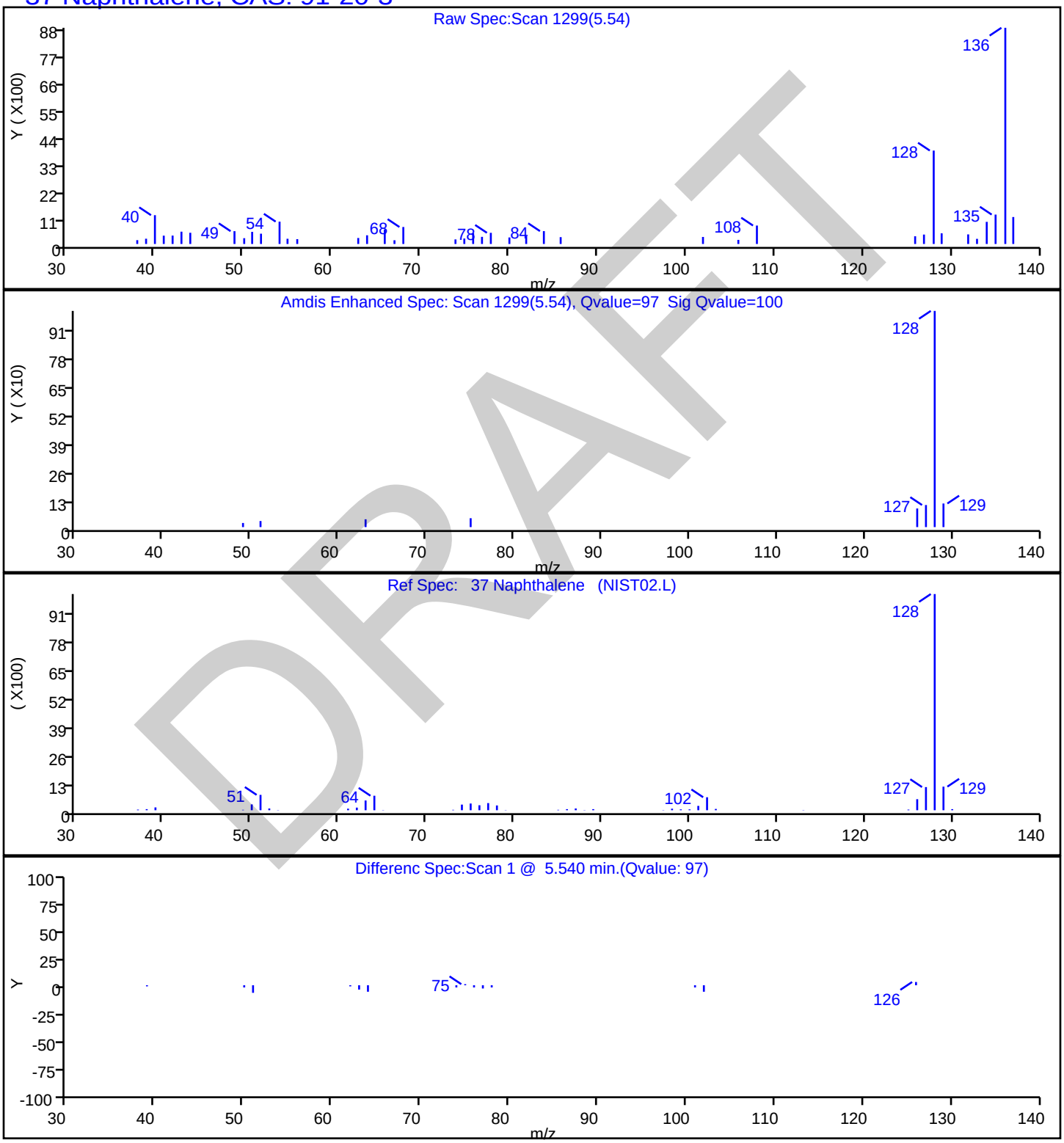


DRAFT

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37727.d				
Injection Date:	07-Jul-2024 23:55:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-1-A	Lab Sample ID:	460-307050-1		
Client ID:	SB-7-(0-2)				
Operator ID:		ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

37 Naphthalene, CAS: 91-20-3

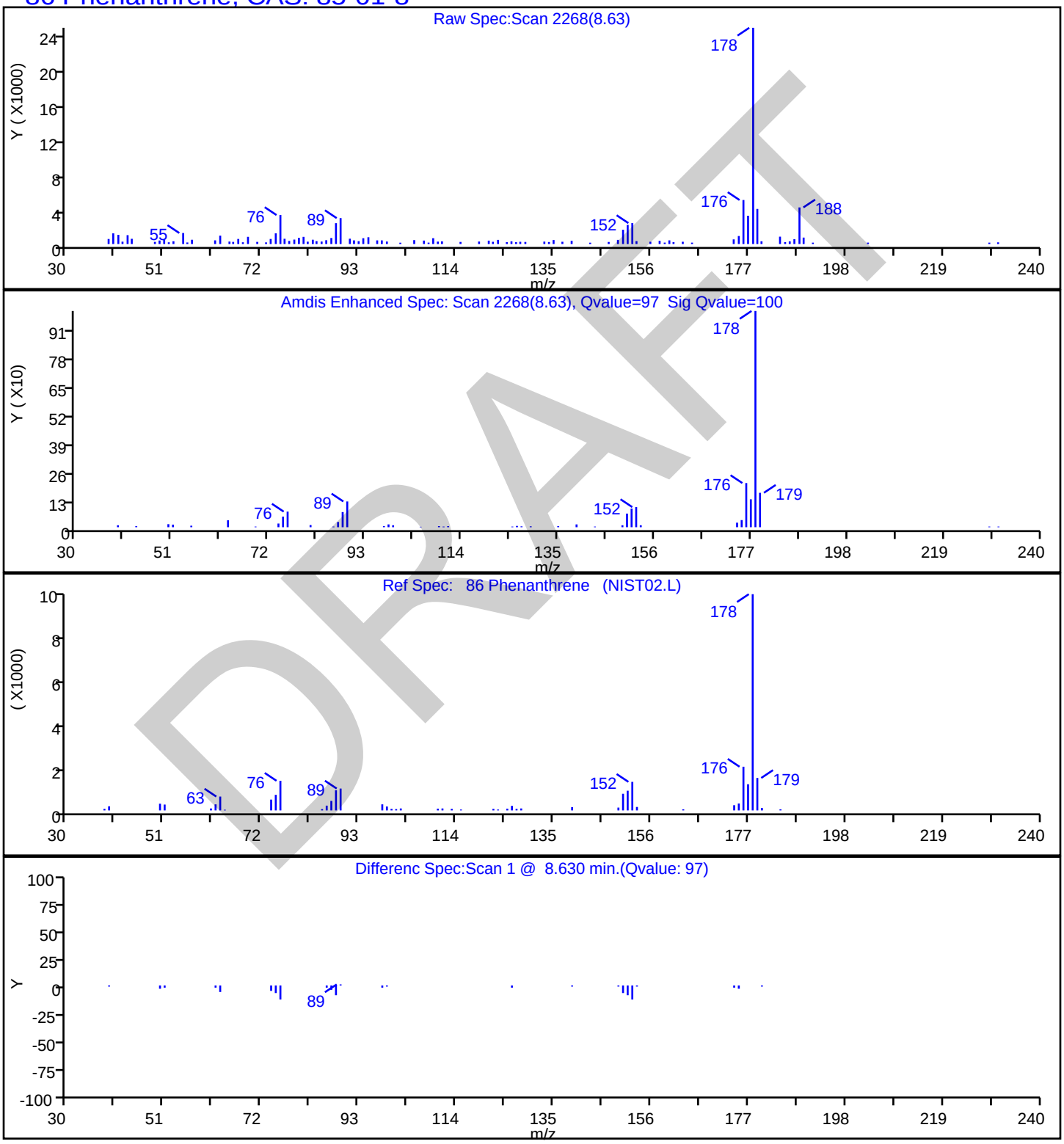


DRAFT

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37727.d
Injection Date: 07-Jul-2024 23:55:30 Instrument ID: CBNAMS12
Lims ID: 460-307050-A-1-A Lab Sample ID: 460-307050-1
Client ID: SB-7-(0-2)
Operator ID: ALS Bottle#: 28 Worklist Smp#: 28
Injection Vol: 1.0 ul Dil. Factor: 5.0000
Method: 8270_12R_9 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

86 Phenanthrene, CAS: 85-01-8

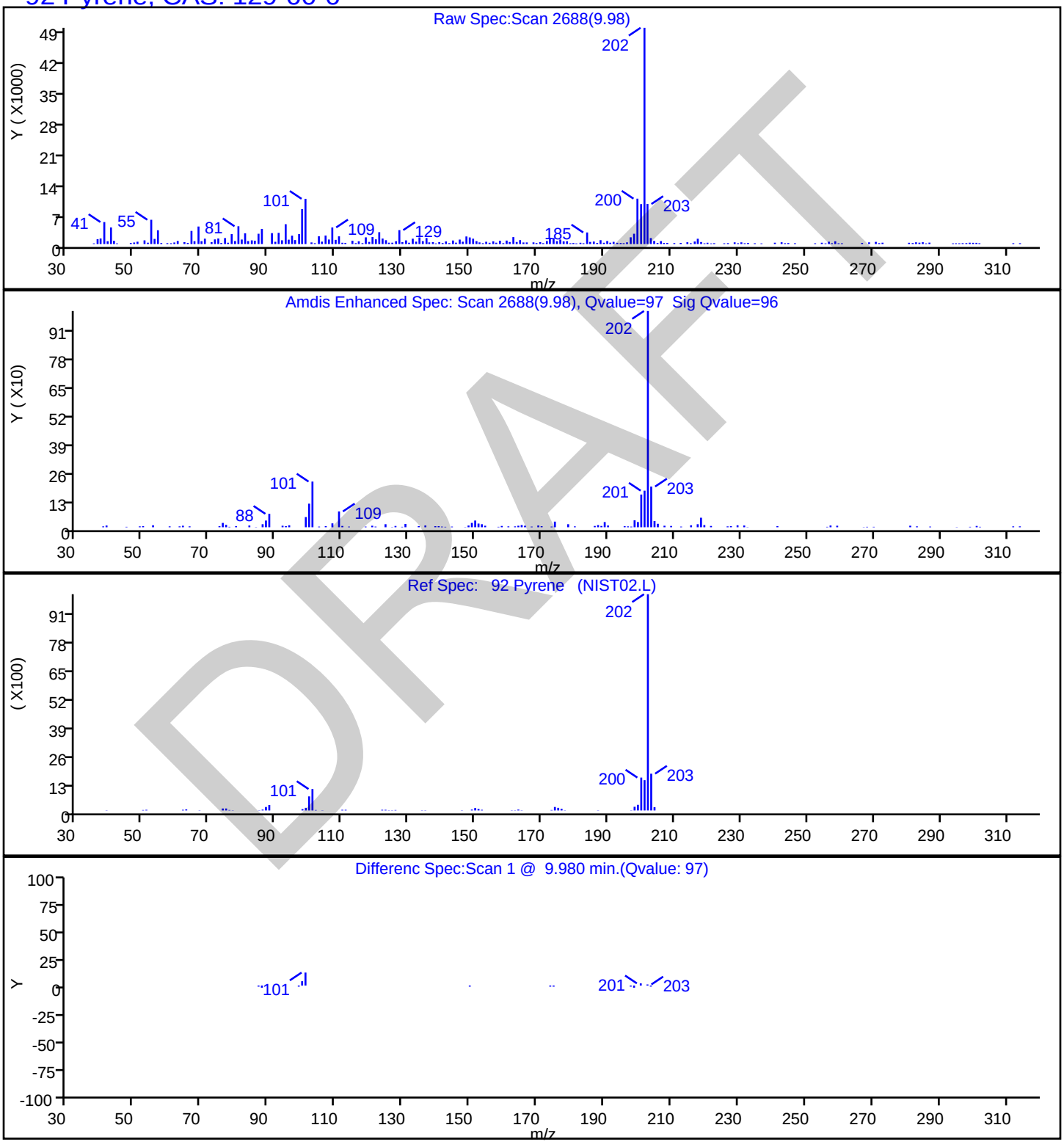


DRAFT

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37727.d				
Injection Date:	07-Jul-2024 23:55:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-1-A	Lab Sample ID:	460-307050-1		
Client ID:	SB-7-(0-2)				
Operator ID:		ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

92 Pyrene, CAS: 129-00-0



DRAFT

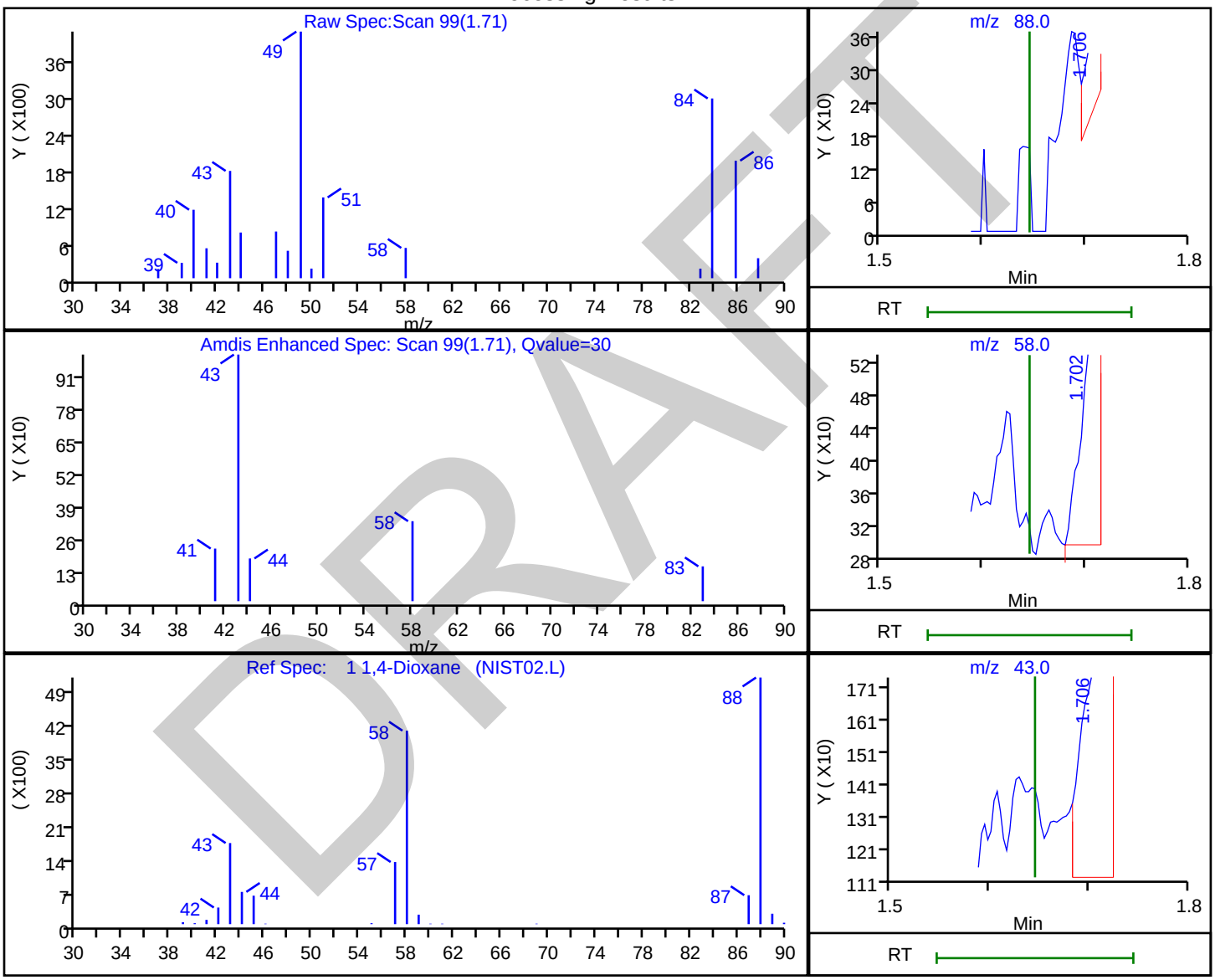
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37727.d				
Injection Date:	07-Jul-2024 23:55:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-1-A	Lab Sample ID:	460-307050-1		
Client ID:	SB-7-(0-2)				
Operator ID:		ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

1 1,4-Dioxane, CAS: 123-91-1

Processing Results



RT	Mass	Response	Amount
1.71	88.00	107	0.049664
1.70	58.00	232	
1.71	43.00	1049	

Reviewer: C8UP, 08-Jul-2024 13:48:38 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

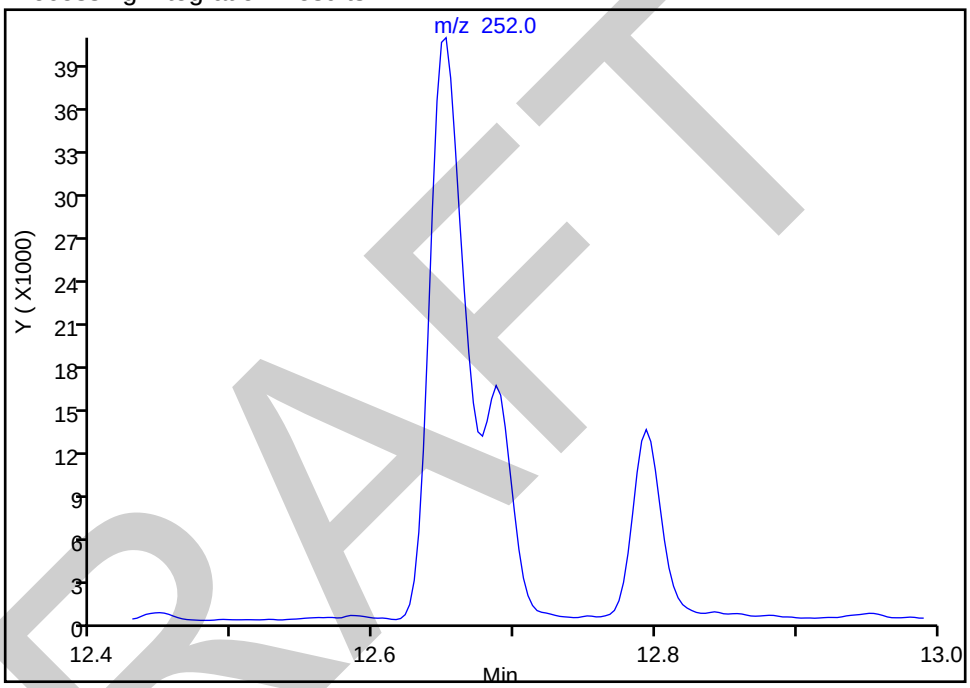
Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37727.d				
Injection Date:	07-Jul-2024 23:55:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-1-A	Lab Sample ID:	460-307050-1		
Client ID:	SB-7-(0-2)				
Operator ID:		ALS Bottle#:	28	Worklist Smp#:	28
Injection Vol:	1.0 ul	Dil. Factor:	5.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

105 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

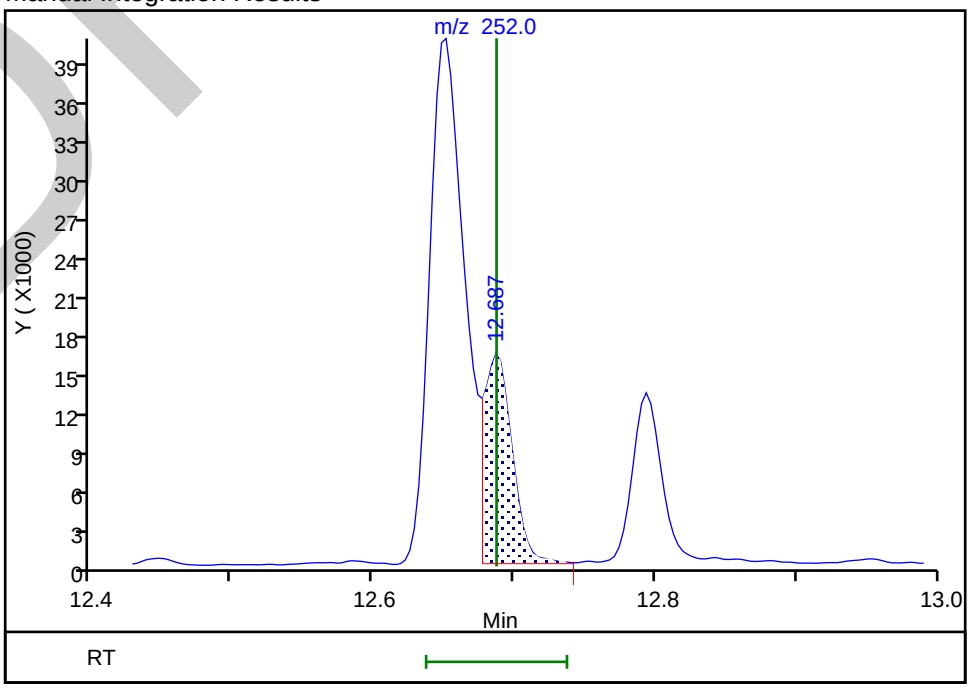
Not Detected
Expected RT: 12.69

Processing Integration Results



Manual Integration Results

RT:	12.69
Area:	22293
Amount:	1.464905
Amount Units:	ug/ml



Reviewer: C8UP, 08-Jul-2024 13:49:02 07:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

DRAFT

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-307050-1

SDG No.:

Client Sample ID: SB-7-(9-11) | Lab Sample ID: 460-307050-2

Matrix: Solid | Lab File ID: Z86957.d

Analysis Method: 8270E | Date Collected: 07/03/2024 09:50

Extract. Method: 3546 | Date Extracted: 07/06/2024 10:42

Sample wt/vol: 15.00(g) | Date Analyzed: 07/08/2024 19:34

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: 9.2 % Solids: 90.8 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 984002 | Units: mg/Kg

Preparation Batch No.: 983903 | Instrument ID: BNAMS11

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.036	U	0.036	0.032
95-48-7	2-Methylphenol	0.36	U	0.36	0.014
15831-10-4	3 & 4 Methylphenol	0.36	U	0.36	0.023
83-32-9	Acenaphthene	0.016	J	0.36	0.010
208-96-8	Acenaphthylene	0.10	J	0.36	0.010
120-12-7	Anthracene	0.097	J	0.36	0.011
56-55-3	Benzo[a]anthracene	0.41		0.036	0.027
50-32-8	Benzo[a]pyrene	0.41		0.036	0.0097
205-99-2	Benzo[b]fluoranthene	0.56		0.036	0.0094
191-24-2	Benzo[g,h,i]perylene	0.27	J	0.36	0.011
207-08-9	Benzo[k]fluoranthene	0.22		0.036	0.0071
218-01-9	Chrysene	0.44		0.36	0.015
53-70-3	Dibenz(a,h)anthracene	0.067		0.036	0.016
132-64-9	Dibenzofuran	0.014	J	0.36	0.012
206-44-0	Fluoranthene	0.74		0.36	0.013
86-73-7	Fluorene	0.017	J	0.36	0.011
118-74-1	Hexachlorobenzene	0.036	U	0.036	0.017
193-39-5	Indeno[1,2,3-cd]pyrene	0.27		0.036	0.014
91-20-3	Naphthalene	0.016	J	0.36	0.0063
87-86-5	Pentachlorophenol	0.29	U	0.29	0.075
85-01-8	Phenanthrene	0.39		0.36	0.015
108-95-2	Phenol	0.36	U	0.36	0.013
129-00-0	Pyrene	0.71		0.36	0.0091

DRAFT

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-307050-1

SDG No.:

Client Sample ID: SB-7-(9-11) | Lab Sample ID: 460-307050-2

Matrix: Solid | Lab File ID: Z86957.d

Analysis Method: 8270E | Date Collected: 07/03/2024 09:50

Extract. Method: 3546 | Date Extracted: 07/06/2024 10:42

Sample wt/vol: 15.00(g) | Date Analyzed: 07/08/2024 19:34

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: 9.2 % Solids: 90.8 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 984002 | Units: mg/Kg

Preparation Batch No.: 983903 | Instrument ID: BNAMS11

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	92		24-137
321-60-8	2-Fluorobiphenyl	76		38-128
367-12-4	2-Fluorophenol (Surr)	72		31-133
4165-60-0	Nitrobenzene-d5 (Surr)	56		31-120
4165-62-2	Phenol-d5 (Surr)	71		35-132
1718-51-0	Terphenyl-d14 (Surr)	88		44-147

DRAFT

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS11\20240708-178078.b\Z86957.d
Lims ID: 460-307050-A-2-A
Client ID: SB-7-(9-11)
Sample Type: Client
Inject. Date: 08-Jul-2024 19:34:30 ALS Bottle#: 30 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0178078-030
Operator ID: Instrument ID: CBNAMS11

Method: \\chromfs\Edison\ChromData\CBNAMS11\20240708-178078.b\8270_11R_9.m
Limit Group: SV 8270E ICAL
Last Update: 09-Jul-2024 09:07:34 Calib Date: 24-Jun-2024 09:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS11\20240624-177537.b\Z86744.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: LKI7 Date: 08-Jul-2024 20:18:02

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	2.866	2.858	0.010	96	333566	36.0	
$ 6 Phenol-d5	99	3.773	3.775	0.001	95	458049	35.3	
* 14 1,4-Dichlorobenzene-d4	152	4.124	4.121	0.003	96	244837	40.0	
$ 26 Nitrobenzene-d5	82	4.667	4.669	0.000	87	335901	28.1	
* 38 Naphthalene-d8	136	5.363	5.361	0.002	99	998584	40.0	
39 Naphthalene	128	5.383	5.385	0.000	97	5687	0.2165	
$ 51 2-Fluorobiphenyl	172	6.414	6.416	0.002	97	739554	38.2	
63 Acenaphthylene	152	6.919	6.921	0.002	97	35246	1.42	
* 65 Acenaphthene-d10	164	7.053	7.052	0.001	96	537641	40.0	
67 Acenaphthene	154	7.082	7.088	-0.002	95	3233	0.2118	
71 Dibenzofuran	168	7.251	7.254	0.001	96	4367	0.1948	
74 Fluorene	166	7.577	7.580	0.001	95	4318	0.2341	
$ 80 2,4,6-Tribromophenol	330	7.808	7.811	0.001	91	186656	46.1	
* 87 Phenanthrene-d10	188	8.470	8.469	0.001	99	1024710	40.0	
88 Phenanthrene	178	8.492	8.493	0.001	97	140521	5.26	
89 Anthracene	178	8.540	8.547	0.001	98	36297	1.32	
92 Fluoranthene	202	9.625	9.625	0.003	97	293573	10.1	
94 Pyrene	202	9.841	9.839	0.004	96	281656	9.68	
$ 96 Terphenyl-d14	244	10.005	10.003	0.005	97	1075849	43.9	
101 Benzo[a]anthracene	228	11.077	11.077	0.003	99	155329	5.57	
* 102 Chrysene-d12	240	11.090	11.087	0.003	99	815435	40.0	
103 Chrysene	228	11.116	11.119	0.000	98	150041	5.93	
106 Benzo[b]fluoranthene	252	12.407	12.414	0.003	98	162514	7.62	
107 Benzo[k]fluoranthene	252	12.440	12.453	-0.002	97	64327	2.93	
108 Benzo[a]pyrene	252	12.845	12.850	0.006	95	112132	5.65	
* 109 Perylene-d12	264	12.926	12.919	0.007	98	747527	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.429	14.437	0.004	99	78026	3.63	
111 Dibenz(a,h)anthracene	278	14.464	14.479	-0.003	92	19208	0.9135	
112 Benzo[g,h,i]perylene	276	14.831	14.844	0.000	97	73826	3.73	

DRAFT

QC Flag Legend

Processing Flags

Reagents:

SM_ISTD_00197 Amount Added: 20.00 Units: uL Run Reagent

DRAFT

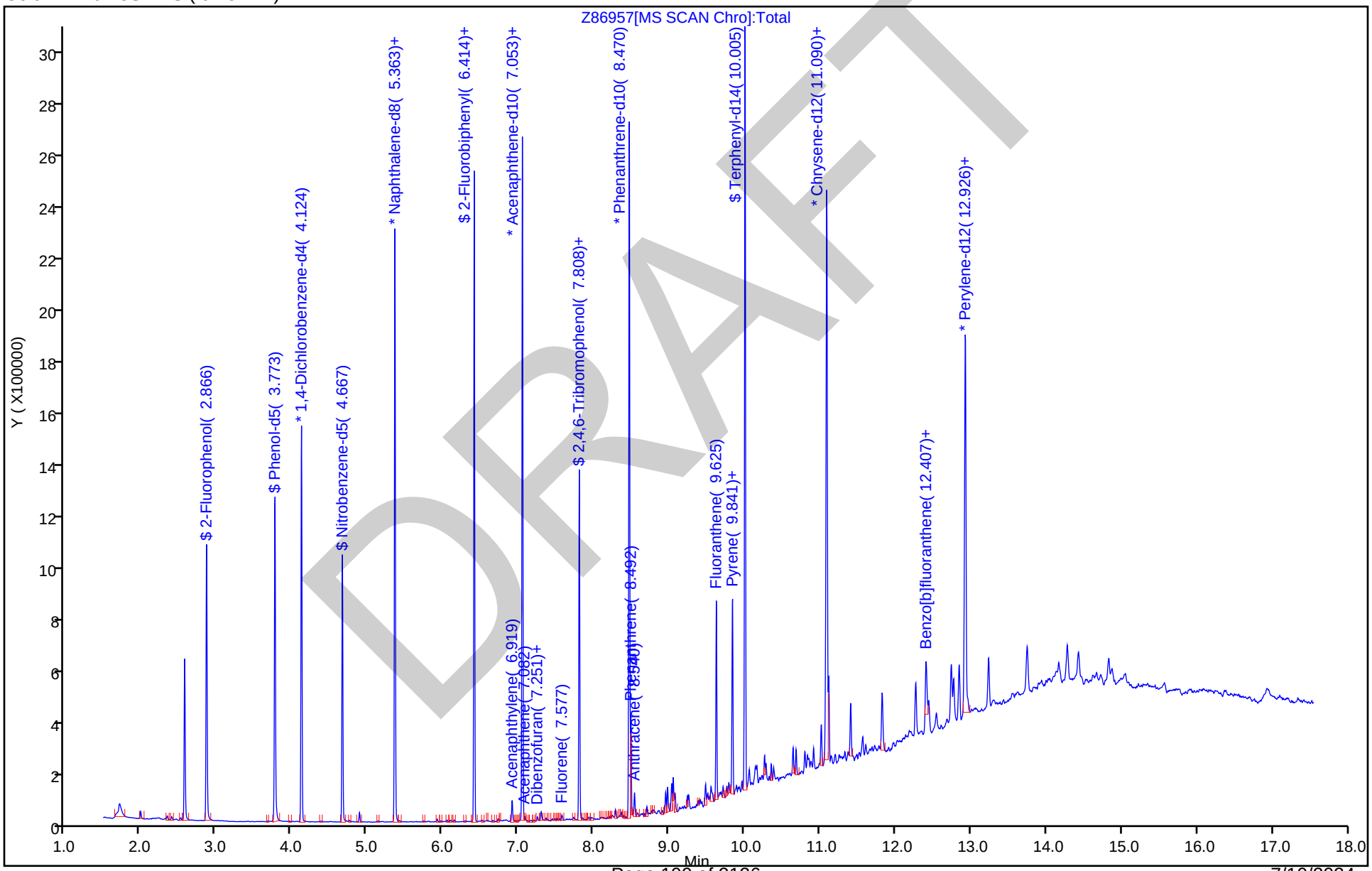
Report Date: 09-Jul-2024 09:09:28 Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS11\20240708-178078.b\Z86957.d

Injection Date:	08-Jul-2024 19:34:30	Instrument ID:	CBNAMS11	Operator ID:	
Lims ID:	460-307050-A-2-A	Lab Sample ID:	460-307050-2	Worklist Smp#:	30
Client ID:	SB-7-(9-11)				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	30
Method:	8270_11R_9	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



DRAFT

7/10/2024
4:48:04 PM

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CBNAMS11\20240708-178078.b\Z86957.d
Lims ID: 460-307050-A-2-A
Client ID: SB-7-(9-11)
Sample Type: Client
Inject. Date: 08-Jul-2024 19:34:30 ALS Bottle#: 30 Worklist Smp#: 30
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0178078-030
Operator ID: Instrument ID: CBNAMS11

Method: \\chromfs\Edison\ChromData\CBNAMS11\20240708-178078.b\8270_11R_9.m
Limit Group: SV 8270E ICAL
Last Update: 09-Jul-2024 09:07:34 Calib Date: 24-Jun-2024 09:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS11\20240624-177537.b\Z86744.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1646

First Level Reviewer: LKI7 Date: 08-Jul-2024 20:18:02

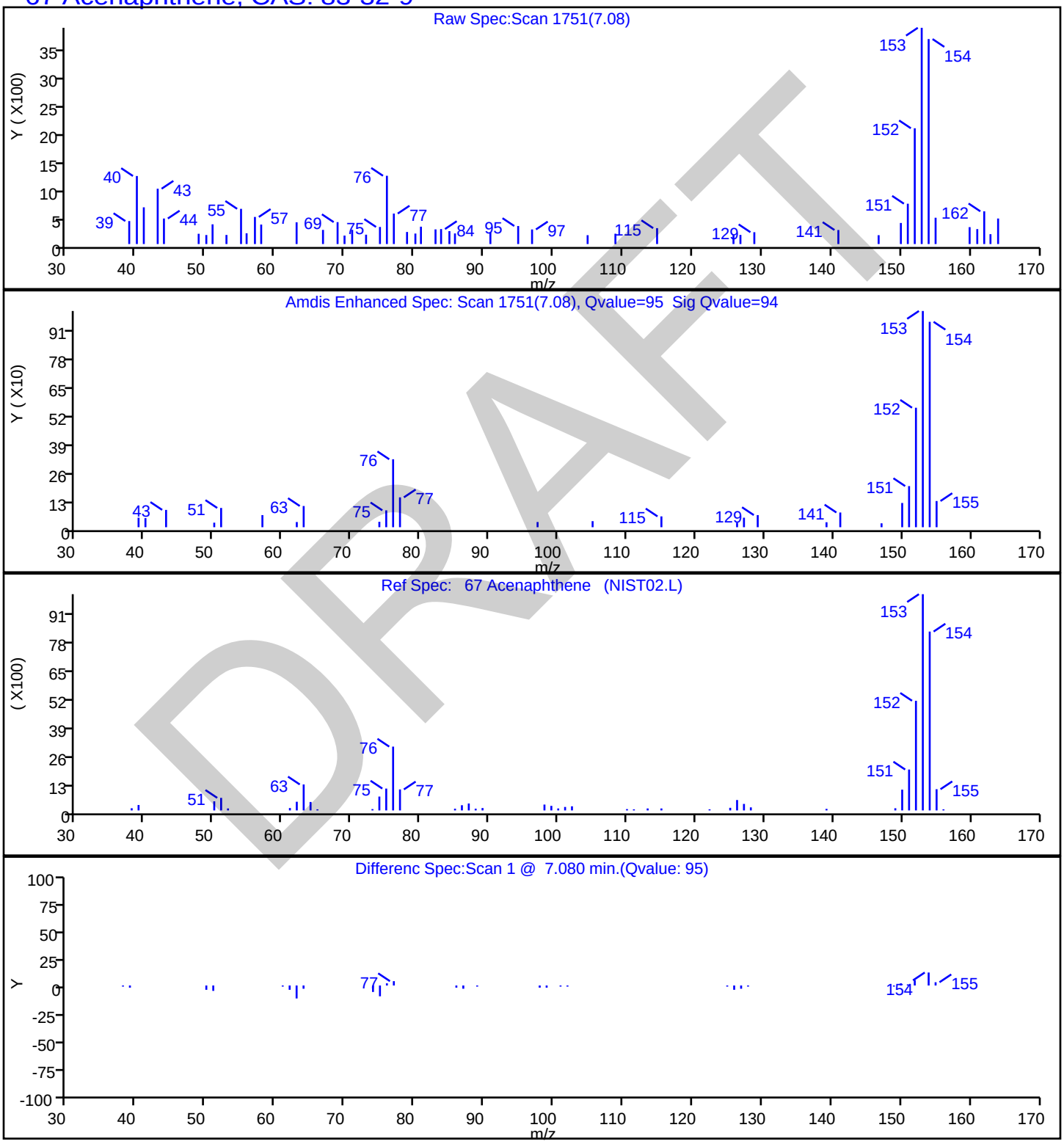
Compound	Amount Added	Amount Recovered	% Rec.
$ 4 2-Fluorophenol	50.0	36.0	72.09
$ 6 Phenol-d5	50.0	35.3	70.59
$ 26 Nitrobenzene-d5	50.0	28.1	56.17
$ 51 2-Fluorobiphenyl	50.0	38.2	76.45
$ 80 2,4,6-Tribromophenol	50.0	46.1	92.19
$ 96 Terphenyl-d14	50.0	43.9	87.81

DRAFT

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS11\20240708-178078.b\Z86957.d				
Injection Date:	08-Jul-2024 19:34:30	Instrument ID:	CBNAMS11		
Lims ID:	460-307050-A-2-A	Lab Sample ID:	460-307050-2		
Client ID:	SB-7-(9-11)				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

67 Acenaphthene, CAS: 83-32-9

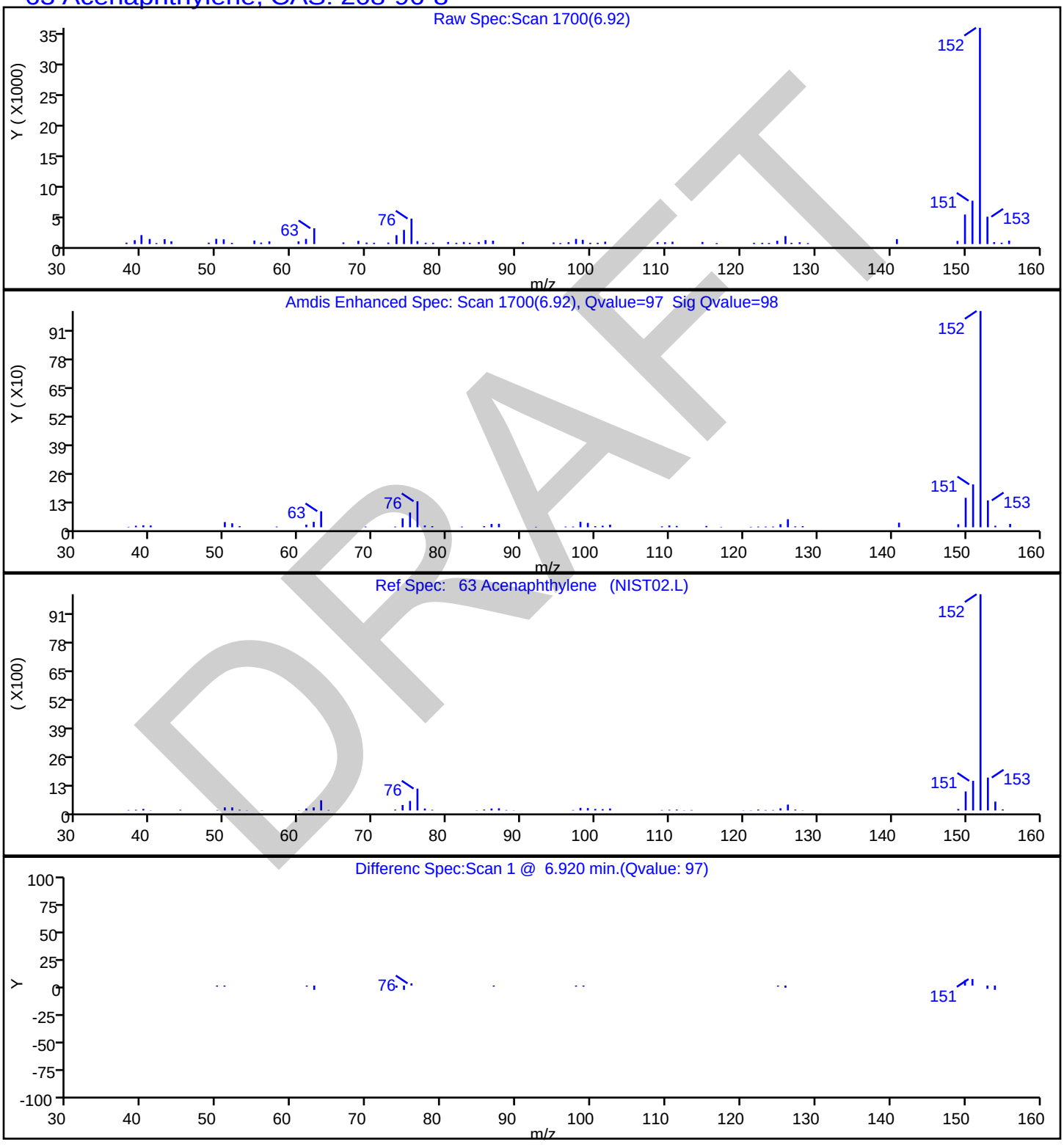


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Eurofins Edison

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Lims ID:	460-307050-A-2-A	Lab Sample ID:	460-307050-2		
Client ID:	SB-7-(9-11)				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

63 Acenaphthylene, CAS: 208-96-8

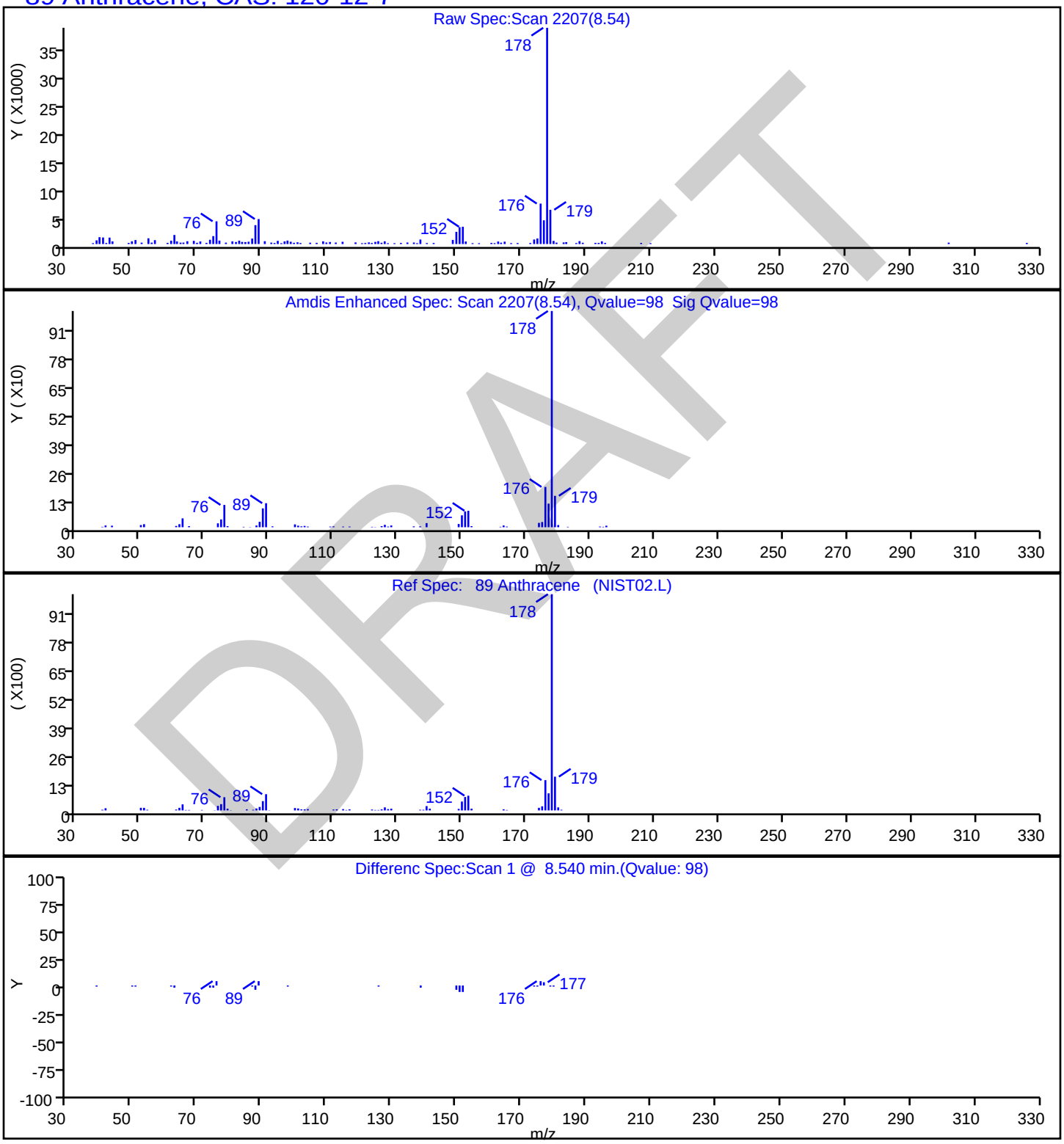


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Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS11\20240708-178078.b\Z86957.d				
Injection Date:	08-Jul-2024 19:34:30	Instrument ID:	CBNAMS11		
Lims ID:	460-307050-A-2-A	Lab Sample ID:	460-307050-2		
Client ID:	SB-7-(9-11)				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

89 Anthracene, CAS: 120-12-7



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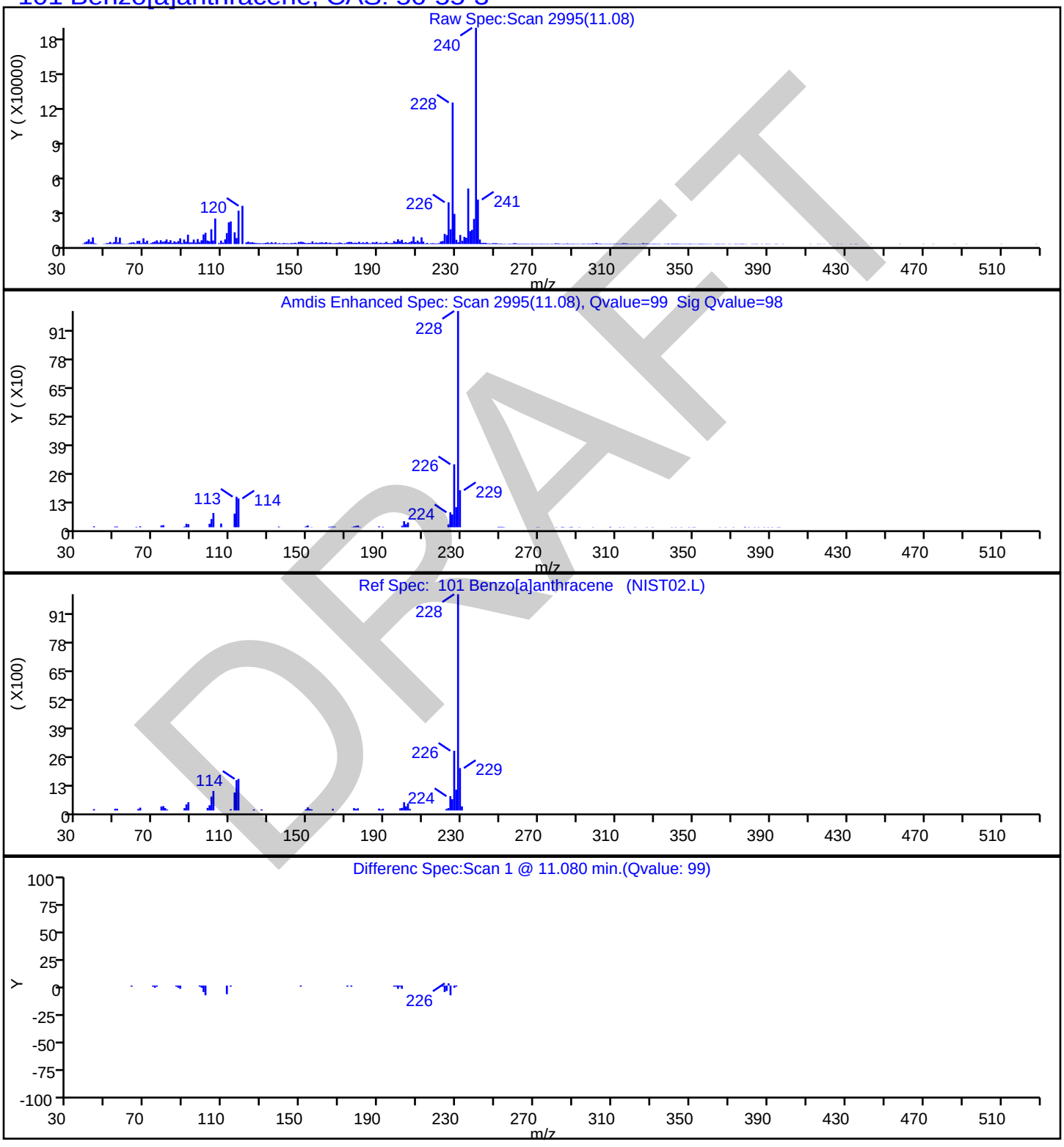
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Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS11\20240708-178078.b\Z86957.d

Injection Date:	08-Jul-2024 19:34:30	Instrument ID:	CBNAMS11		
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Client ID:	SB-7-(9-11)				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

101 Benzo[a]anthracene, CAS: 56-55-3



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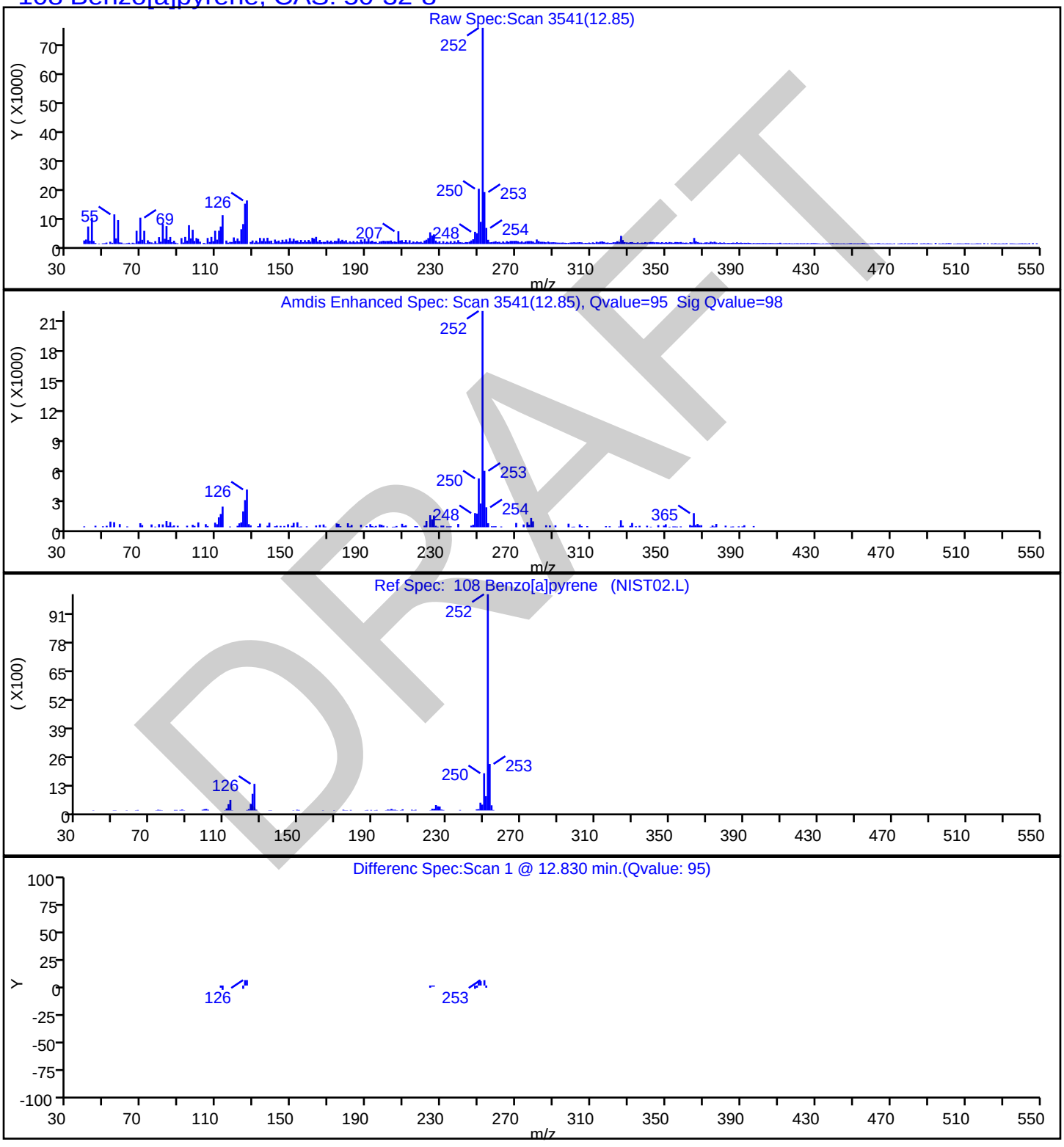
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Eurofins Edison

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Client ID:	SB-7-(9-11)				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

108 Benzo[a]pyrene, CAS: 50-32-8

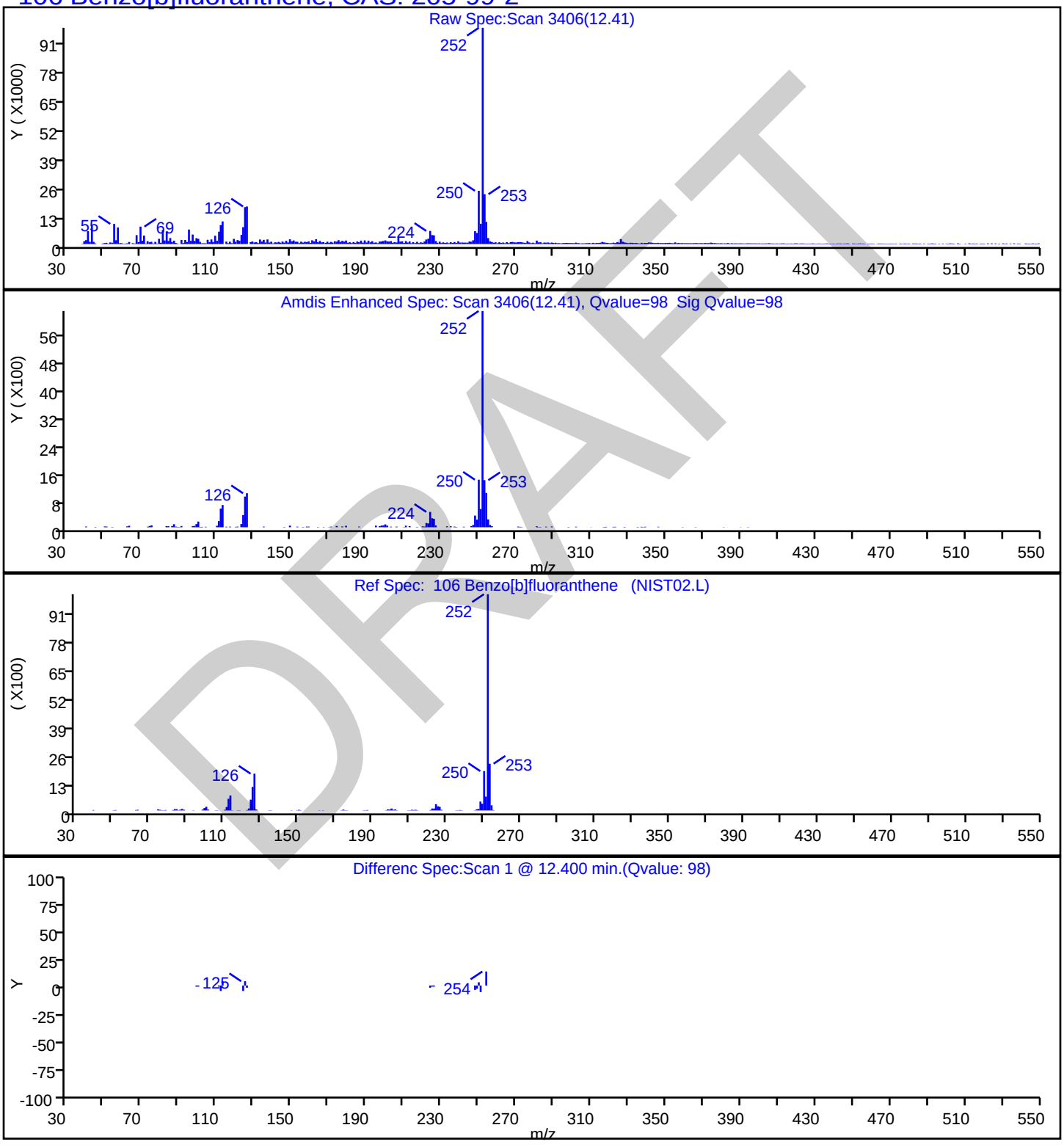


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Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS11\20240708-178078.b\Z86957.d				
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Lims ID:	460-307050-A-2-A	Lab Sample ID:	460-307050-2		
Client ID:	SB-7-(9-11)				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

106 Benzo[b]fluoranthene, CAS: 205-99-2

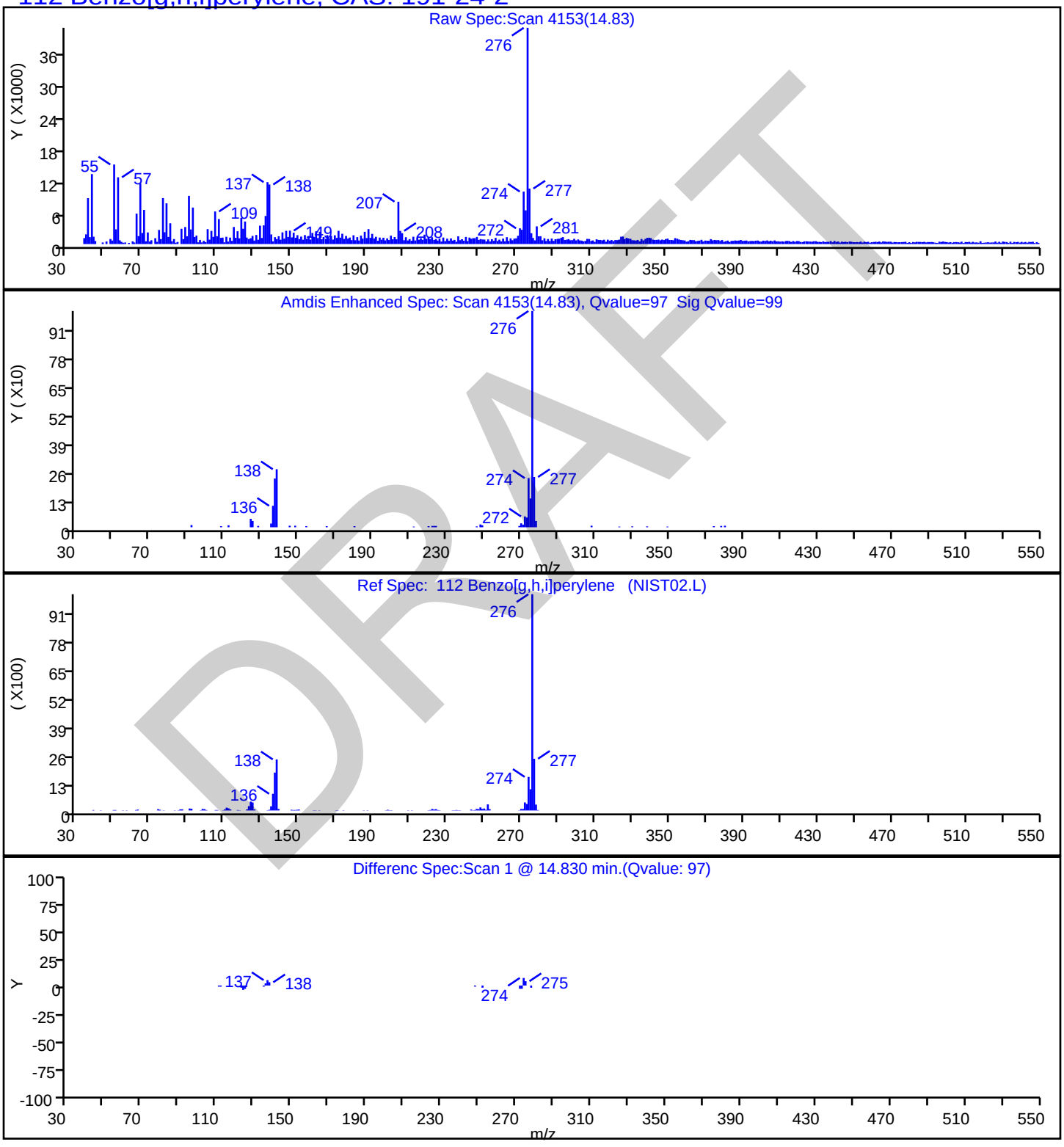


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Eurofins Edison

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Client ID:	SB-7-(9-11)				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

112 Benzo[g,h,i]perylene, CAS: 191-24-2



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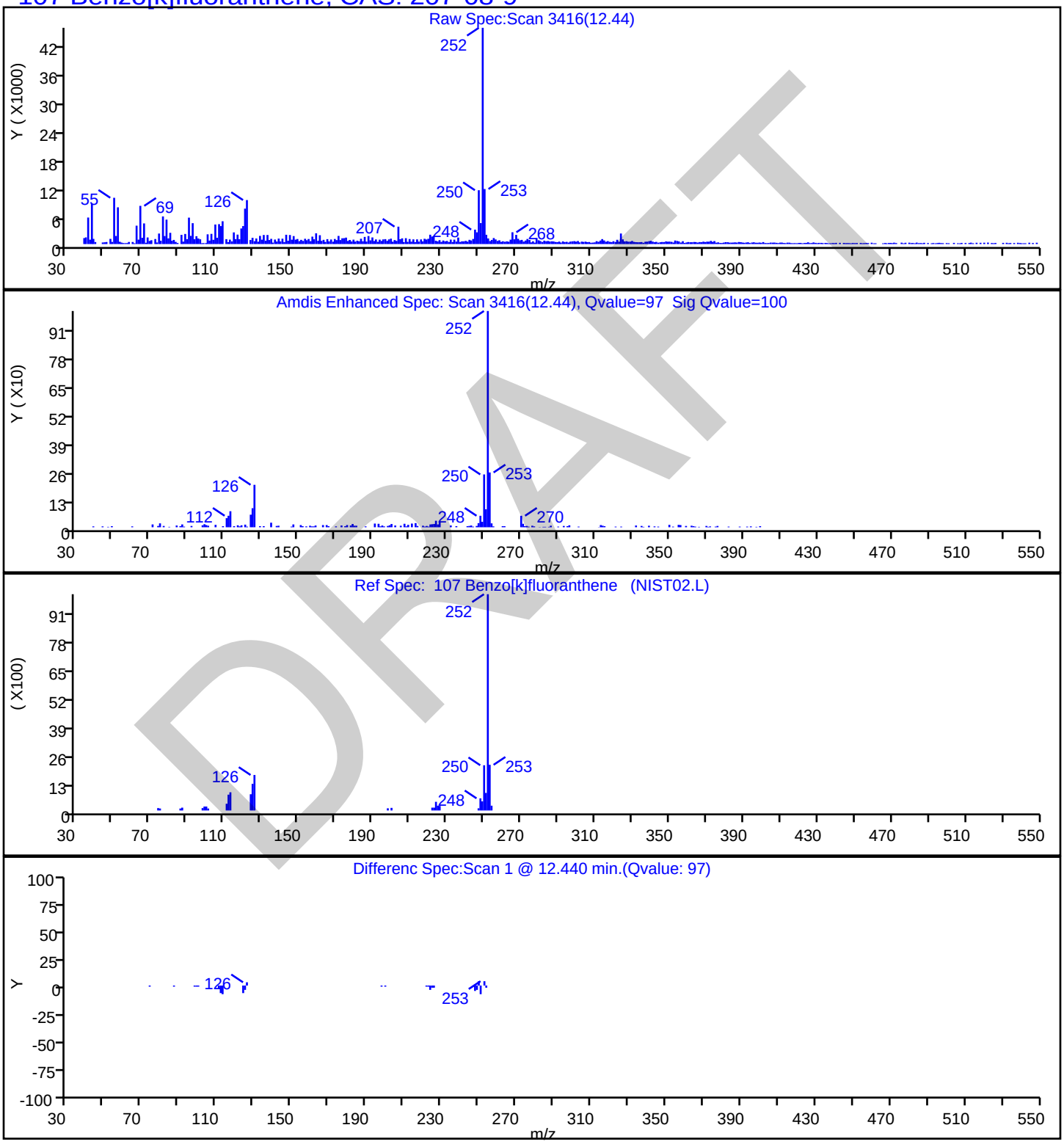
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Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS11\20240708-178078.b\Z86957.d

Injection Date:	08-Jul-2024 19:34:30	Instrument ID:	CBNAMS11		
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Client ID:	SB-7-(9-11)				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

107 Benzo[k]fluoranthene, CAS: 207-08-9



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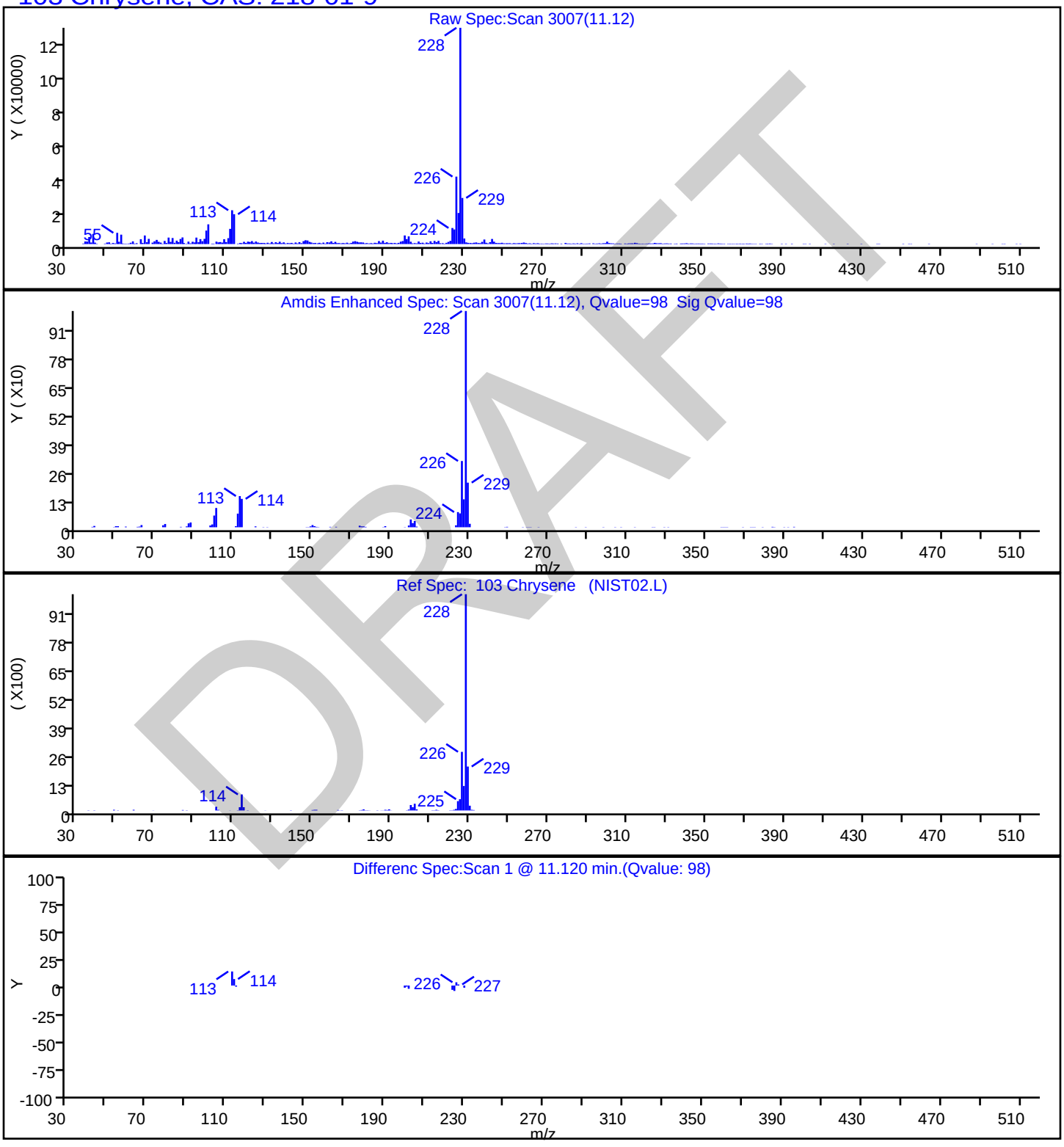
Report Date: 09-Jul-2024 09:09:28 Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS11\20240708-178078.b\Z86957.d

Injection Date:	08-Jul-2024 19:34:30	Instrument ID:	CBNAMS11		
Lims ID:	460-307050-A-2-A	Lab Sample ID:	460-307050-2		
Client ID:	SB-7-(9-11)				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

103 Chrysene, CAS: 218-01-9

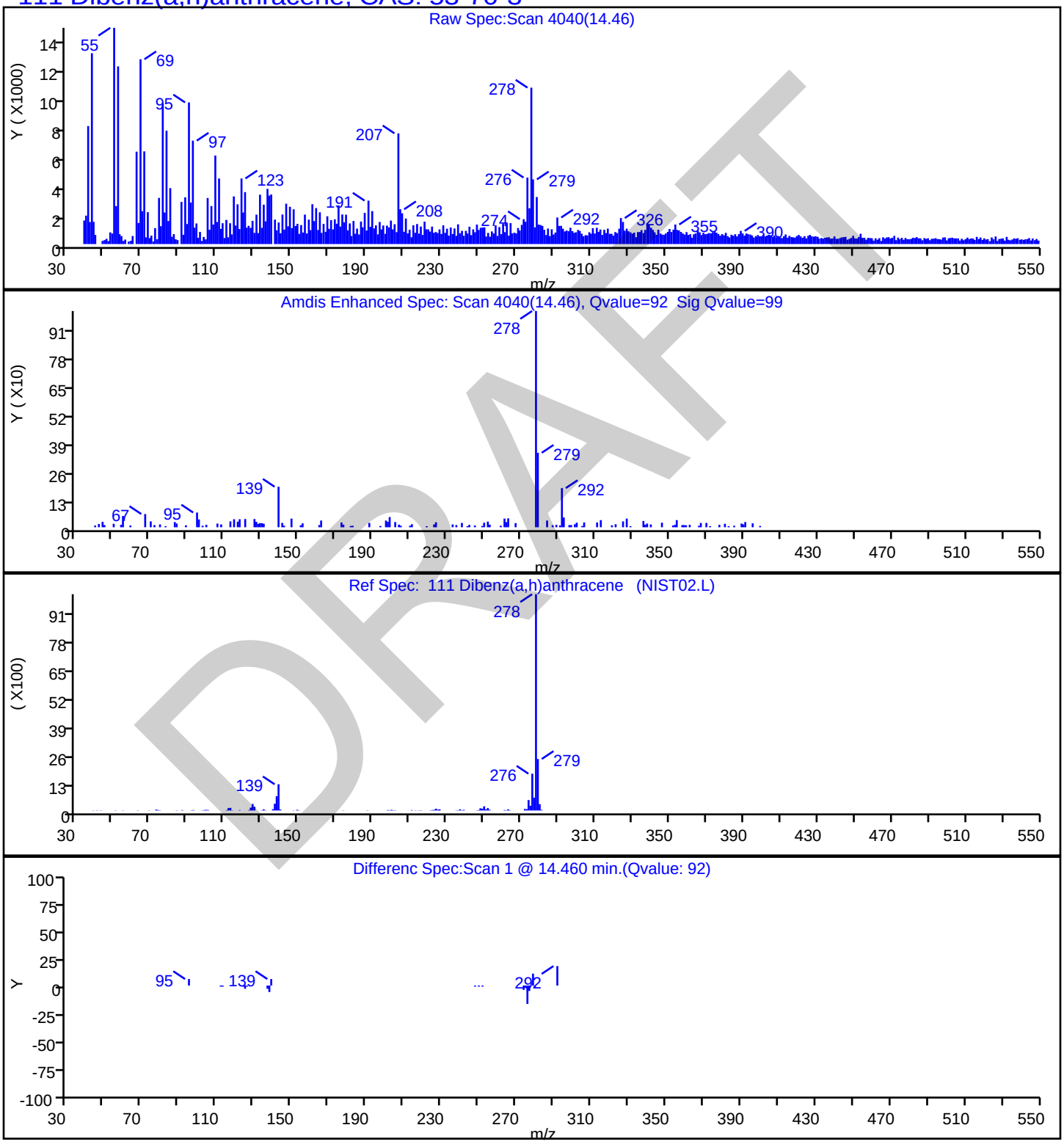


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Eurofins Edison

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Lims ID:	460-307050-A-2-A	Lab Sample ID:	460-307050-2		
Client ID:	SB-7-(9-11)				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

111 Dibenz(a,h)anthracene, CAS: 53-70-3

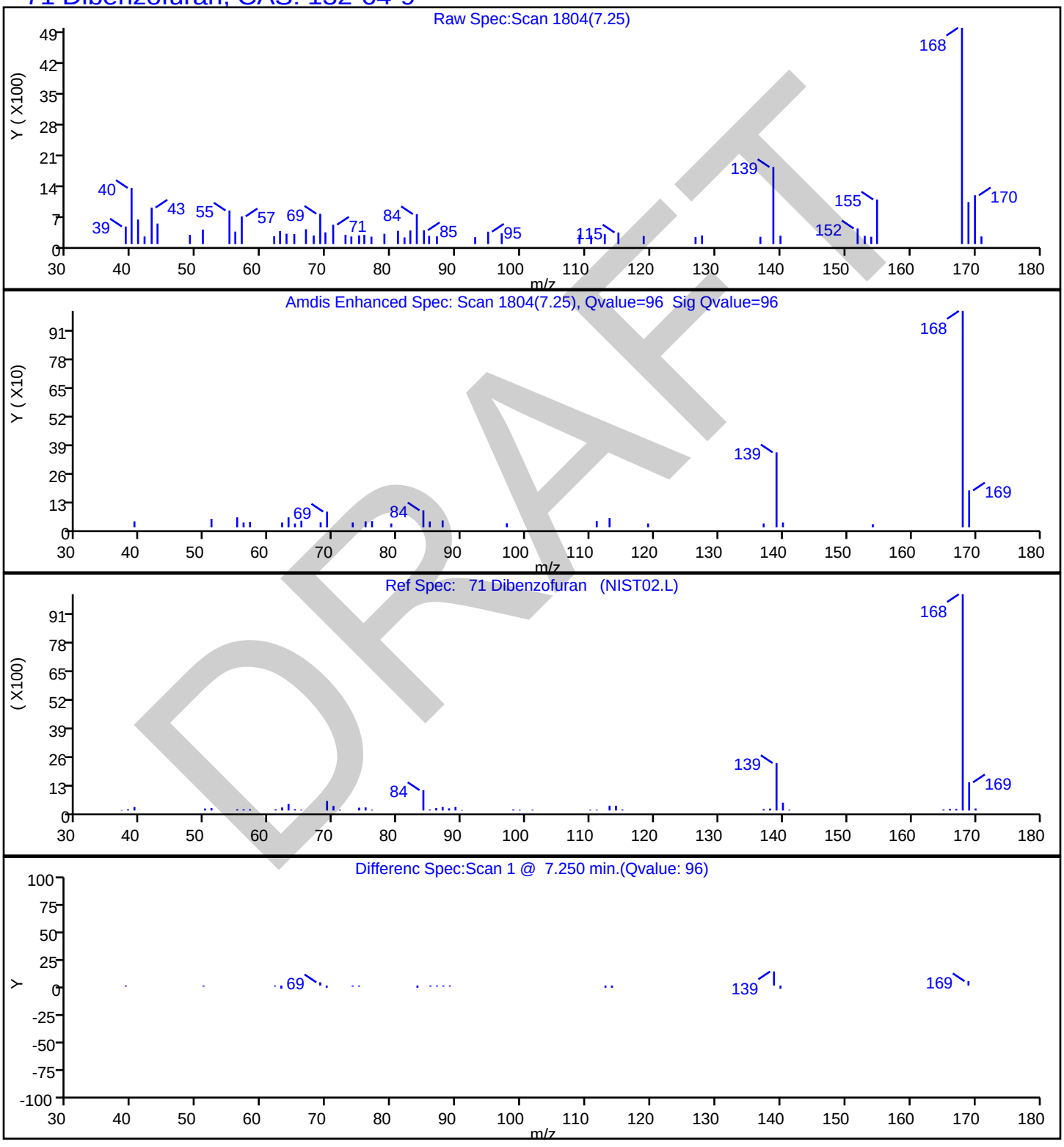


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Eurofins Edison

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Client ID:	SB-7-(9-11)				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

71 Dibenzofuran, CAS: 132-64-9

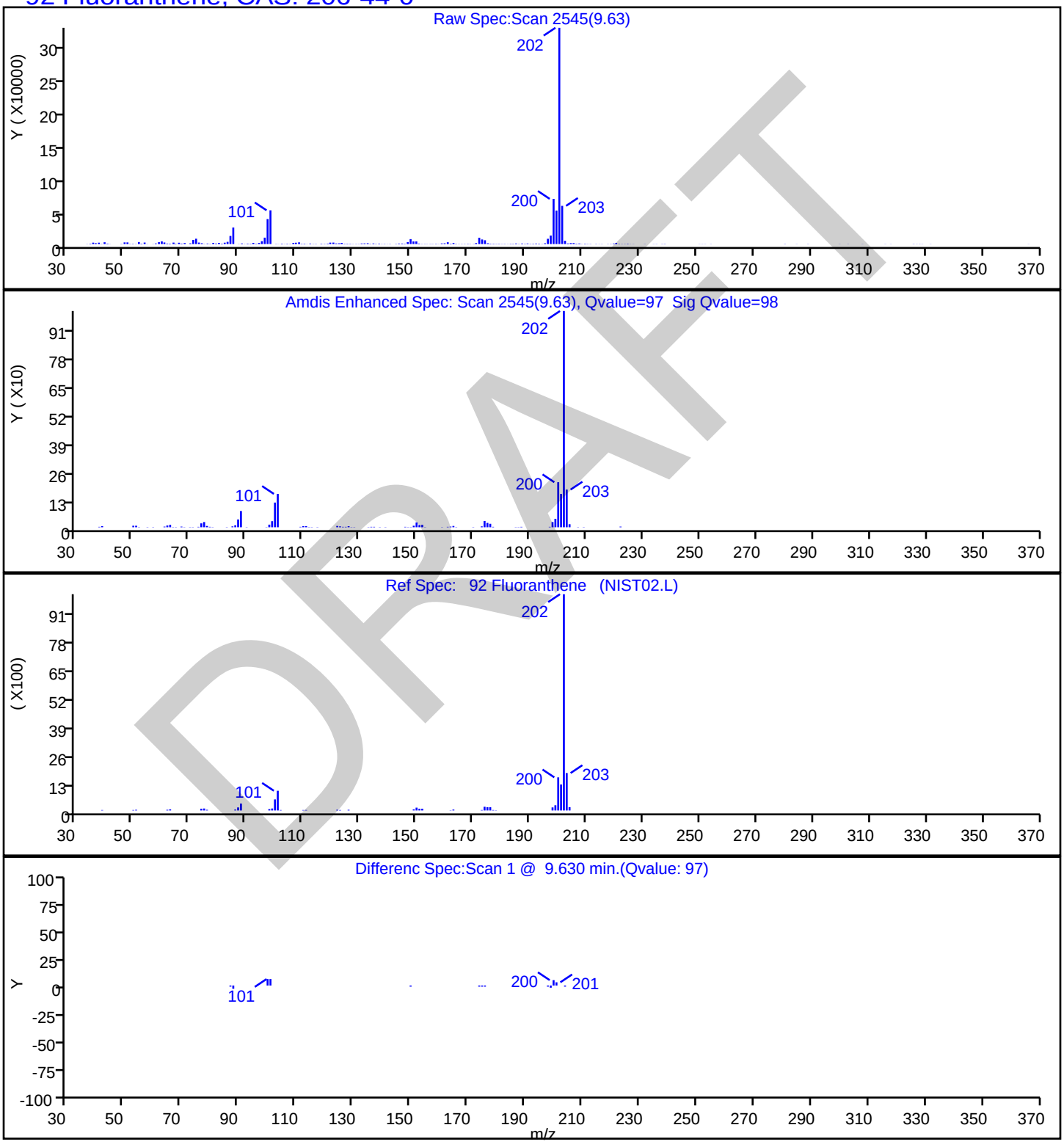


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Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS11\20240708-178078.b\Z86957.d				
Injection Date:	08-Jul-2024 19:34:30	Instrument ID:	CBNAMS11		
Lims ID:	460-307050-A-2-A	Lab Sample ID:	460-307050-2		
Client ID:	SB-7-(9-11)				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

92 Fluoranthene, CAS: 206-44-0

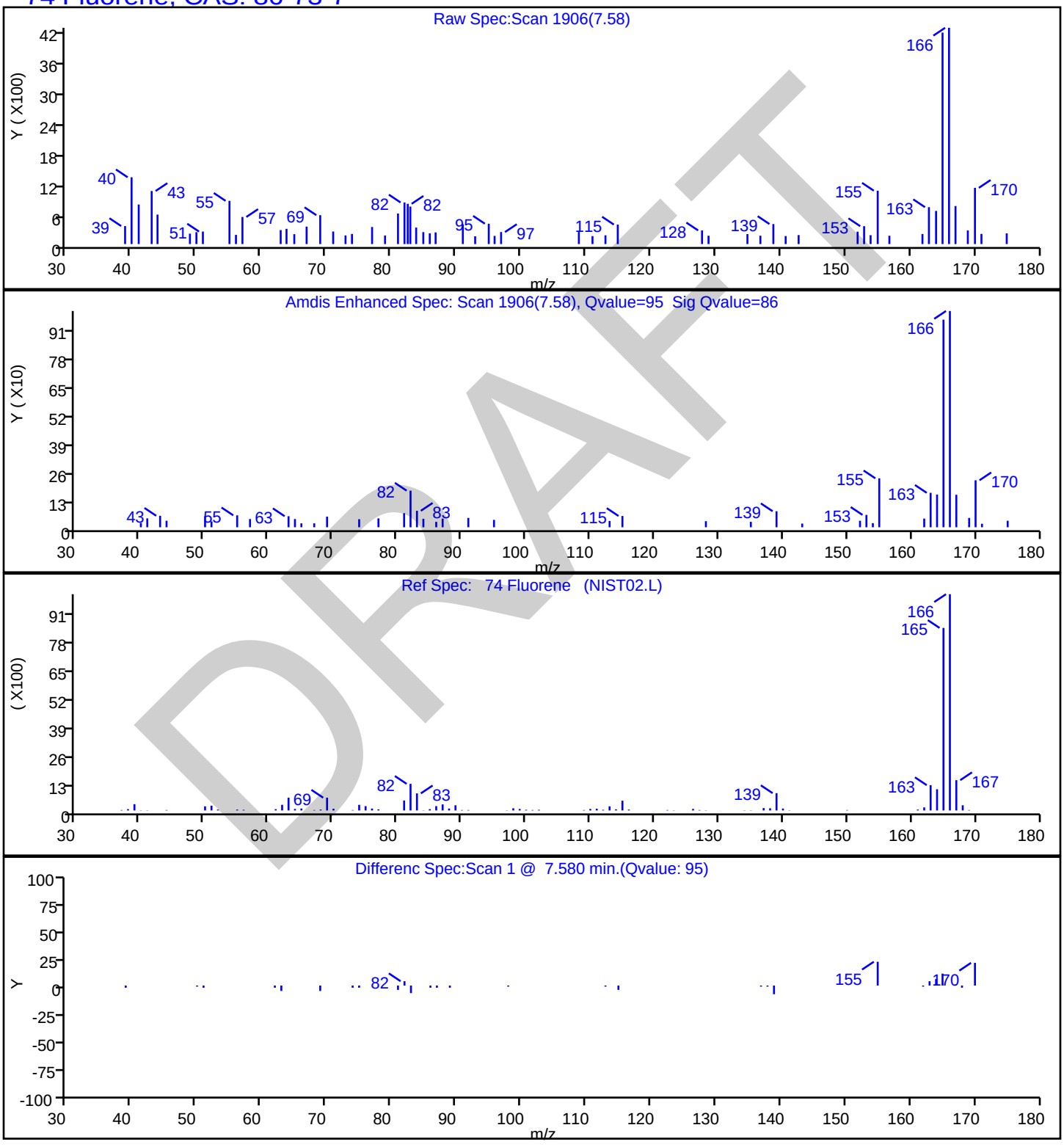


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Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS11\20240708-178078.b\Z86957.d				
Injection Date:	08-Jul-2024 19:34:30	Instrument ID:	CBNAMS11		
Lims ID:	460-307050-A-2-A	Lab Sample ID:	460-307050-2		
Client ID:	SB-7-(9-11)				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

74 Fluorene, CAS: 86-73-7

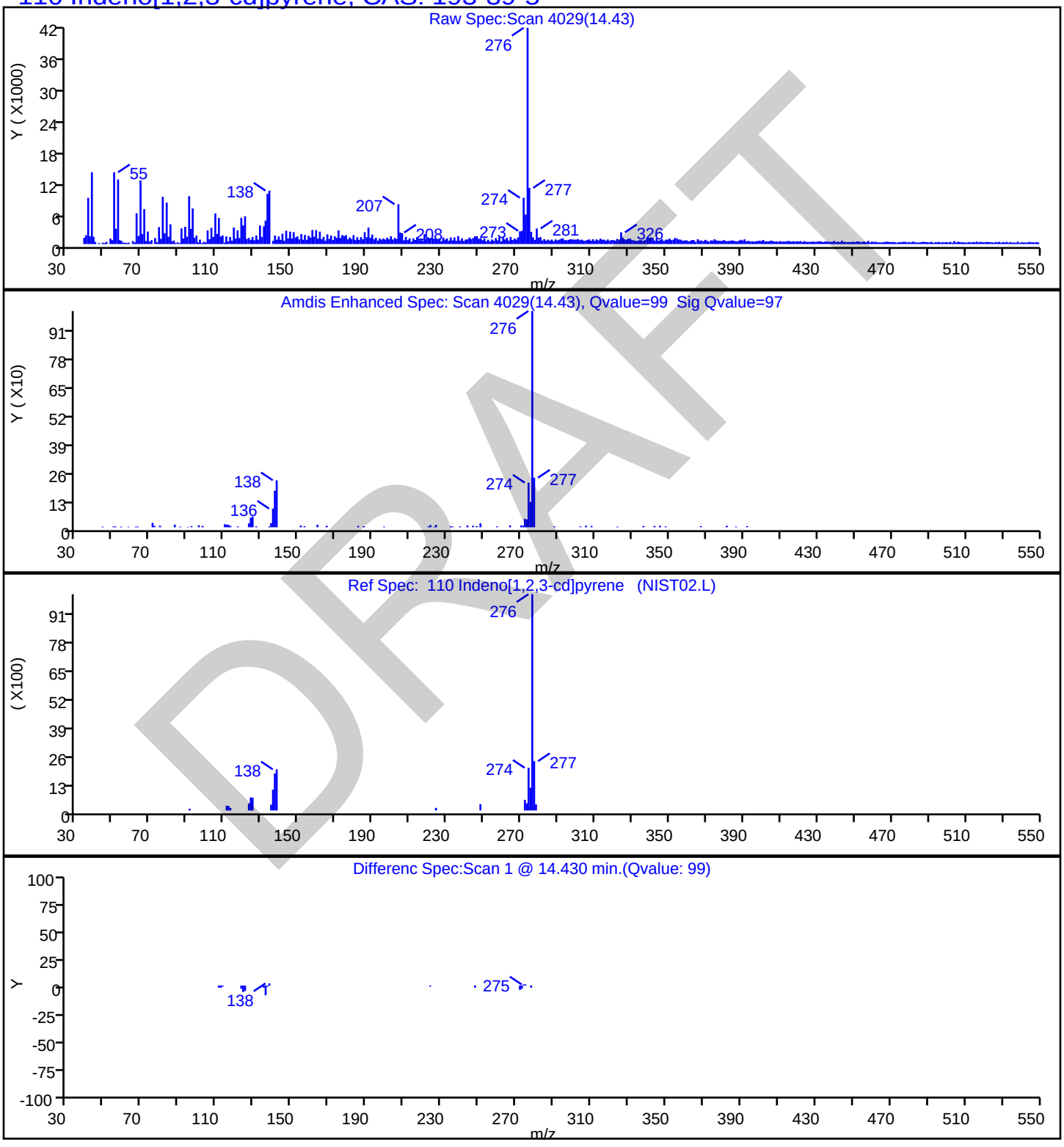


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Eurofins Edison

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Lims ID:	460-307050-A-2-A	Lab Sample ID:	460-307050-2		
Client ID:	SB-7-(9-11)				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

110 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5



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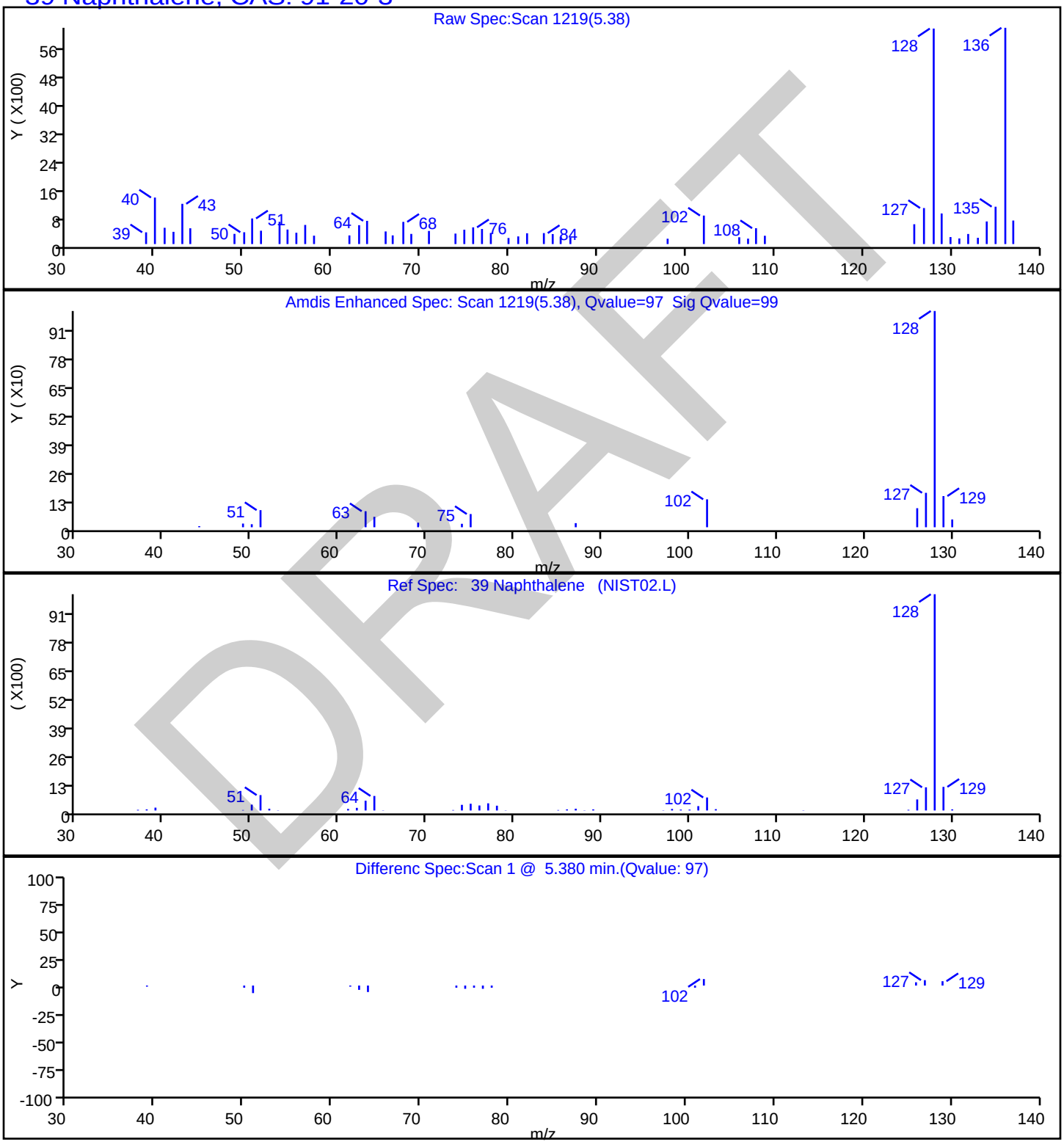
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Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS11\20240708-178078.b\Z86957.d

Injection Date:	08-Jul-2024 19:34:30	Instrument ID:	CBNAMS11		
Lims ID:	460-307050-A-2-A	Lab Sample ID:	460-307050-2		
Client ID:	SB-7-(9-11)				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

39 Naphthalene, CAS: 91-20-3



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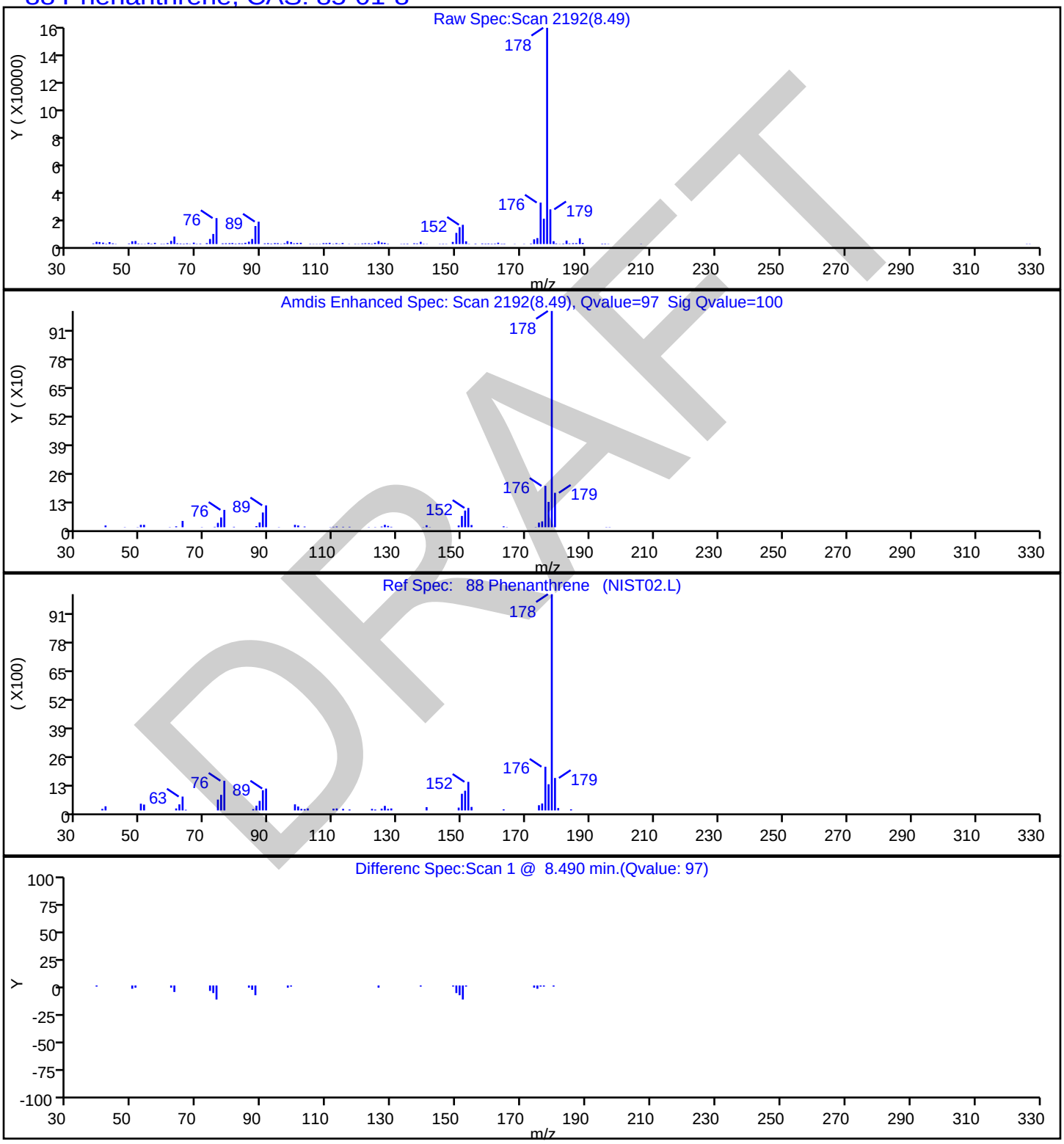
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Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS11\20240708-178078.b\Z86957.d

Injection Date:	08-Jul-2024 19:34:30	Instrument ID:	CBNAMS11		
Lims ID:	460-307050-A-2-A	Lab Sample ID:	460-307050-2		
Client ID:	SB-7-(9-11)				
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Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

88 Phenanthrene, CAS: 85-01-8



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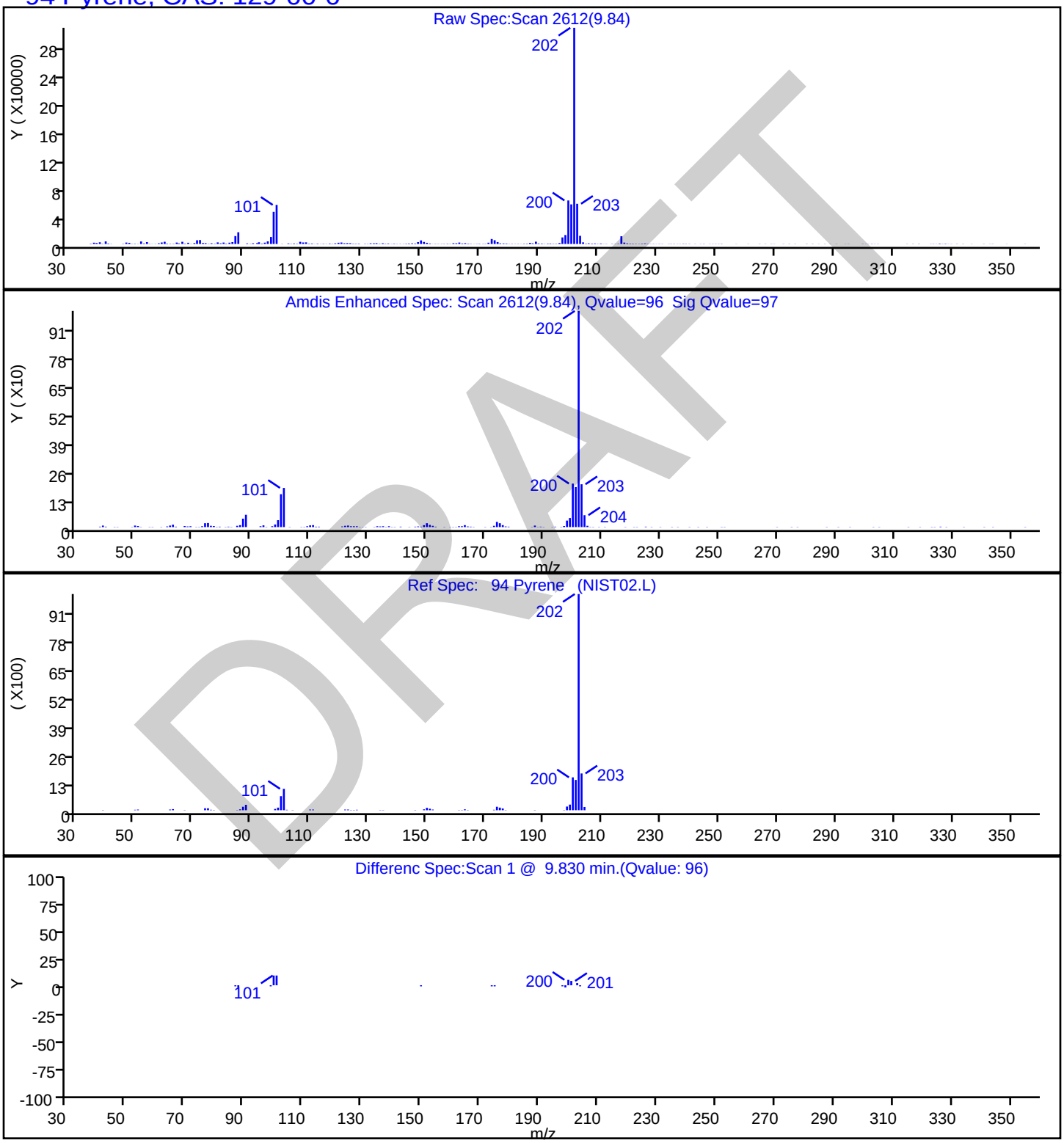
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Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS11\20240708-178078.b\Z86957.d

Injection Date:	08-Jul-2024 19:34:30	Instrument ID:	CBNAMS11		
Lims ID:	460-307050-A-2-A	Lab Sample ID:	460-307050-2		
Client ID:	SB-7-(9-11)				
Operator ID:		ALS Bottle#:	30	Worklist Smp#:	30
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

94 Pyrene, CAS: 129-00-0



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FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-307050-1

SDG No.:

Client Sample ID: SB-8-(0-2) | Lab Sample ID: 460-307050-3

Matrix: Solid | Lab File ID: L37720.d

Analysis Method: 8270E | Date Collected: 07/03/2024 09:30

Extract. Method: 3546 | Date Extracted: 07/06/2024 10:42

Sample wt/vol: 15.00(g) | Date Analyzed: 07/07/2024 21:15

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: 15.5 % Solids: 84.5 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 983942 | Units: mg/Kg

Preparation Batch No.: 983903 | Instrument ID: CBNAMS12

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.039	U	0.039	0.034
95-48-7	2-Methylphenol	0.39	U	0.39	0.015
15831-10-4	3 & 4 Methylphenol	0.39	U	0.39	0.024
83-32-9	Acenaphthene	0.21	J	0.39	0.011
208-96-8	Acenaphthylene	0.023	J	0.39	0.011
120-12-7	Anthracene	0.47		0.39	0.012
56-55-3	Benzo[a]anthracene	1.1		0.039	0.029
50-32-8	Benzo[a]pyrene	1.1		0.039	0.010
205-99-2	Benzo[b]fluoranthene	1.2		0.039	0.010
191-24-2	Benzo[g,h,i]perylene	0.73		0.39	0.012
207-08-9	Benzo[k]fluoranthene	0.43		0.039	0.0077
218-01-9	Chrysene	1.1		0.39	0.016
53-70-3	Dibenz(a,h)anthracene	0.15		0.039	0.017
132-64-9	Dibenzofuran	0.16	J	0.39	0.013
206-44-0	Fluoranthene	2.1		0.39	0.014
86-73-7	Fluorene	0.24	J	0.39	0.011
118-74-1	Hexachlorobenzene	0.039	U	0.039	0.019
193-39-5	Indeno[1,2,3-cd]pyrene	0.63		0.039	0.015
91-20-3	Naphthalene	0.19	J	0.39	0.0068
87-86-5	Pentachlorophenol	0.31	U	0.31	0.080
85-01-8	Phenanthrene	1.8		0.39	0.016
108-95-2	Phenol	0.39	U	0.39	0.014
129-00-0	Pyrene	2.3		0.39	0.0097

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FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-307050-1

SDG No.:

Client Sample ID: SB-8-(0-2) | Lab Sample ID: 460-307050-3

Matrix: Solid | Lab File ID: L37720.d

Analysis Method: 8270E | Date Collected: 07/03/2024 09:30

Extract. Method: 3546 | Date Extracted: 07/06/2024 10:42

Sample wt/vol: 15.00(g) | Date Analyzed: 07/07/2024 21:15

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: 15.5 % Solids: 84.5 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 983942 | Units: mg/Kg

Preparation Batch No.: 983903 | Instrument ID: CBNAMS12

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	73		24-137
321-60-8	2-Fluorobiphenyl	70		38-128
367-12-4	2-Fluorophenol (Surr)	61		31-133
4165-60-0	Nitrobenzene-d5 (Surr)	62		31-120
4165-62-2	Phenol-d5 (Surr)	65		35-132
1718-51-0	Terphenyl-d14 (Surr)	82		44-147

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Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37720.d
Lims ID: 460-307050-A-3-A
Client ID: SB-8-(0-2)
Sample Type: Client
Inject. Date: 07-Jul-2024 21:15:30 ALS Bottle#: 21 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0178055-021
Operator ID: Instrument ID: CBNAMS12

Method: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\8270_12R_9.m
Limit Group: SV 8270E ICAL
Last Update: 08-Jul-2024 13:39:46 Calib Date: 24-Jun-2024 11:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37512.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: C8UP Date: 08-Jul-2024 13:39:46

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	3.024	3.015	0.009	94	186902	30.7	
$ 6 Phenol-d5	99	3.934	3.934	0.000	0	266597	32.6	
* 13 1,4-Dichlorobenzene-d4	152	4.295	4.295	0.000	98	175739	40.0	
$ 26 Nitrobenzene-d5	82	4.837	4.842	-0.005	88	213310	31.0	
* 36 Naphthalene-d8	136	5.518	5.519	-0.001	99	663914	40.0	
37 Naphthalene	128	5.537	5.536	-0.001	99	41399	2.46	
$ 50 2-Fluorobiphenyl	172	6.552	6.551	0.001	97	409628	35.1	
61 Acenaphthylene	152	7.063	7.061	0.003	97	4319	0.2913	
* 63 Acenaphthene-d10	164	7.191	7.191	0.000	98	326013	40.0	
65 Acenaphthene	154	7.223	7.223	0.000	97	24071	2.68	
69 Dibenzofuran	168	7.389	7.391	0.000	96	26562	1.98	
74 Fluorene	166	7.715	7.717	0.000	95	31996	2.98	
$ 79 2,4,6-Tribromophenol	330	7.945	7.949	-0.004	93	87144	36.4	
* 85 Phenanthrene-d10	188	8.607	8.610	-0.003	99	545642	40.0	
86 Phenanthrene	178	8.629	8.631	-0.004	98	325671	23.4	
87 Anthracene	178	8.681	8.679	0.000	97	85313	5.99	
90 Fluoranthene	202	9.762	9.761	-0.002	97	393288	26.4	
92 Pyrene	202	9.980	9.976	-0.001	96	421540	29.1	
$ 94 Terphenyl-d14	244	10.134	10.135	-0.001	97	488400	40.9	
99 Benzo[a]anthracene	228	11.250	11.248	0.000	99	185707	13.8	
* 100 Chrysene-d12	240	11.260	11.262	-0.002	98	401746	40.0	
101 Chrysene	228	11.292	11.290	0.001	98	174451	14.1	
104 Benzo[b]fluoranthene	252	12.646	12.659	0.000	99	230404	14.9	
105 Benzo[k]fluoranthene	252	12.681	12.681	-0.006	98	86502	5.49	Ma
106 Benzo[a]pyrene	252	13.108	13.109	-0.001	96	198215	13.6	
* 107 Perylene-d12	264	13.191	13.192	-0.001	97	563330	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.793	14.815	-0.006	98	128845	8.03	
109 Dibenz(a,h)anthracene	278	14.838	14.837	-0.003	92	29159	1.87	
110 Benzo[g,h,i]perylene	276	15.242	15.245	-0.008	96	136539	9.19	

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QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SM_ISTD_00197 Amount Added: 20.00 Units: uL Run Reagent

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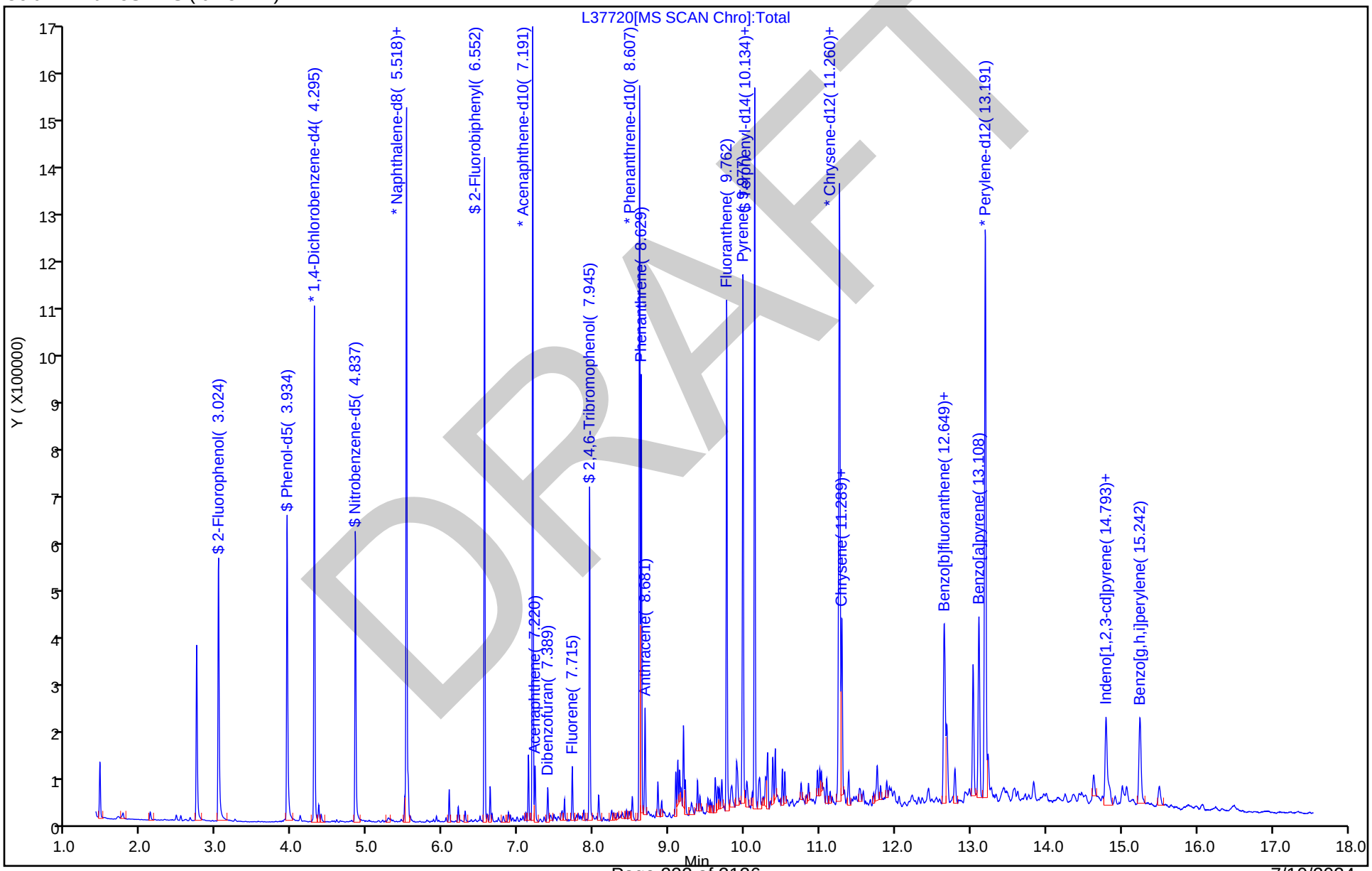
Report Date: 08-Jul-2024 13:39:46 Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37720.d

Injection Date:	07-Jul-2024 21:15:30	Instrument ID:	CBNAMS12	Operator ID:	
Lims ID:	460-307050-A-3-A	Lab Sample ID:	460-307050-3	Worklist Smp#:	21
Client ID:	SB-8-(0-2)				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	21
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



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7/10/2024
4:48:04 PM

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37720.d
Lims ID: 460-307050-A-3-A
Client ID: SB-8-(0-2)
Sample Type: Client
Inject. Date: 07-Jul-2024 21:15:30 ALS Bottle#: 21 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0178055-021
Operator ID: Instrument ID: CBNAMS12

Method: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\8270_12R_9.m
Limit Group: SV 8270E ICAL
Last Update: 08-Jul-2024 13:39:46 Calib Date: 24-Jun-2024 11:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37512.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: C8UP Date: 08-Jul-2024 13:39:46

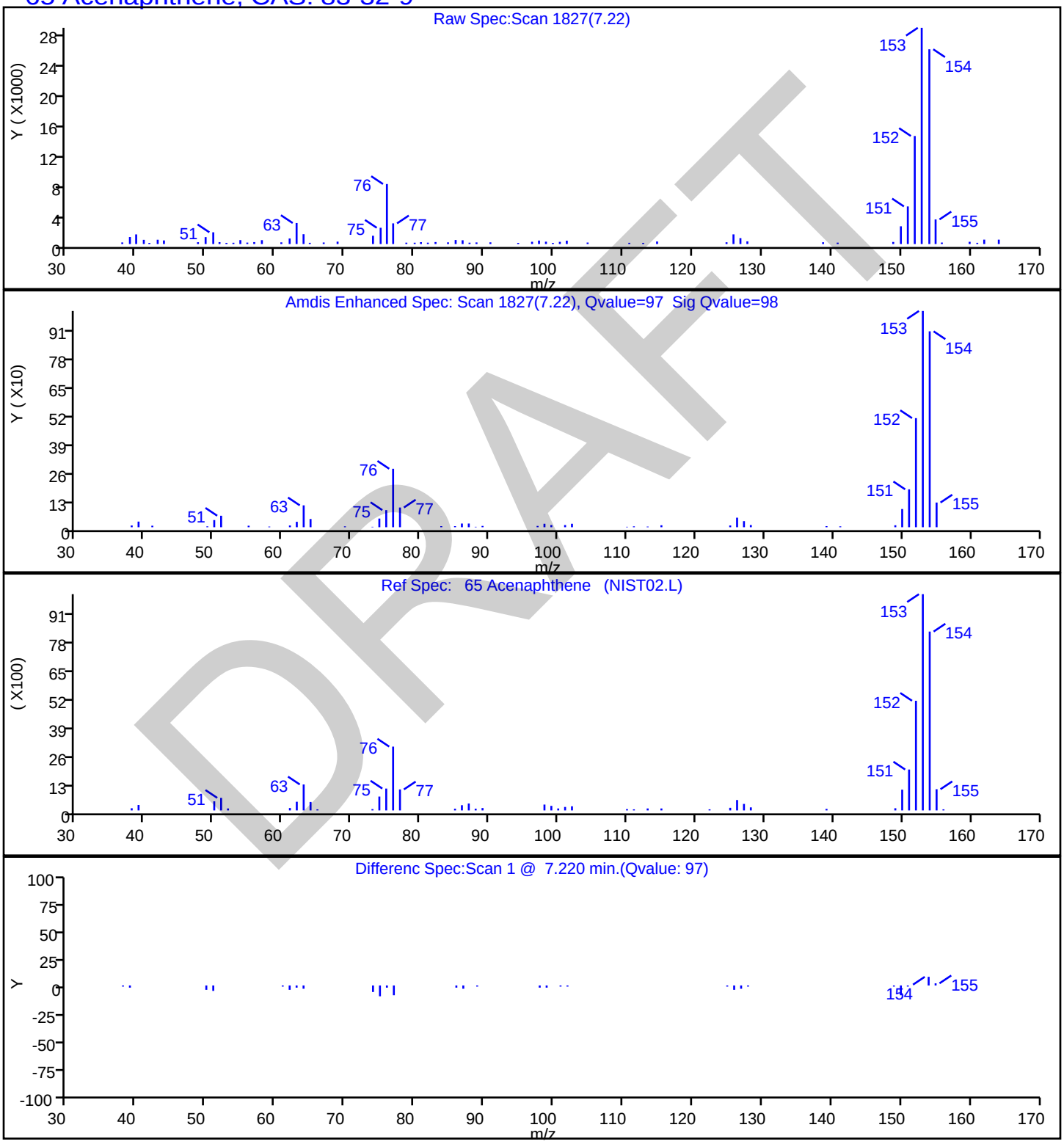
Compound	Amount Added	Amount Recovered	% Rec.
$ 4 2-Fluorophenol	50.0	30.7	61.48
$ 6 Phenol-d5	50.0	32.6	65.16
$ 26 Nitrobenzene-d5	50.0	31.0	61.95
$ 50 2-Fluorobiphenyl	50.0	35.1	70.10
$ 79 2,4,6-Tribromophenol	50.0	36.4	72.78
$ 94 Terphenyl-d14	50.0	40.9	81.82

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Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37720.d				
Injection Date:	07-Jul-2024 21:15:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-3-A	Lab Sample ID:	460-307050-3		
Client ID:	SB-8-(0-2)				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

65 Acenaphthene, CAS: 83-32-9

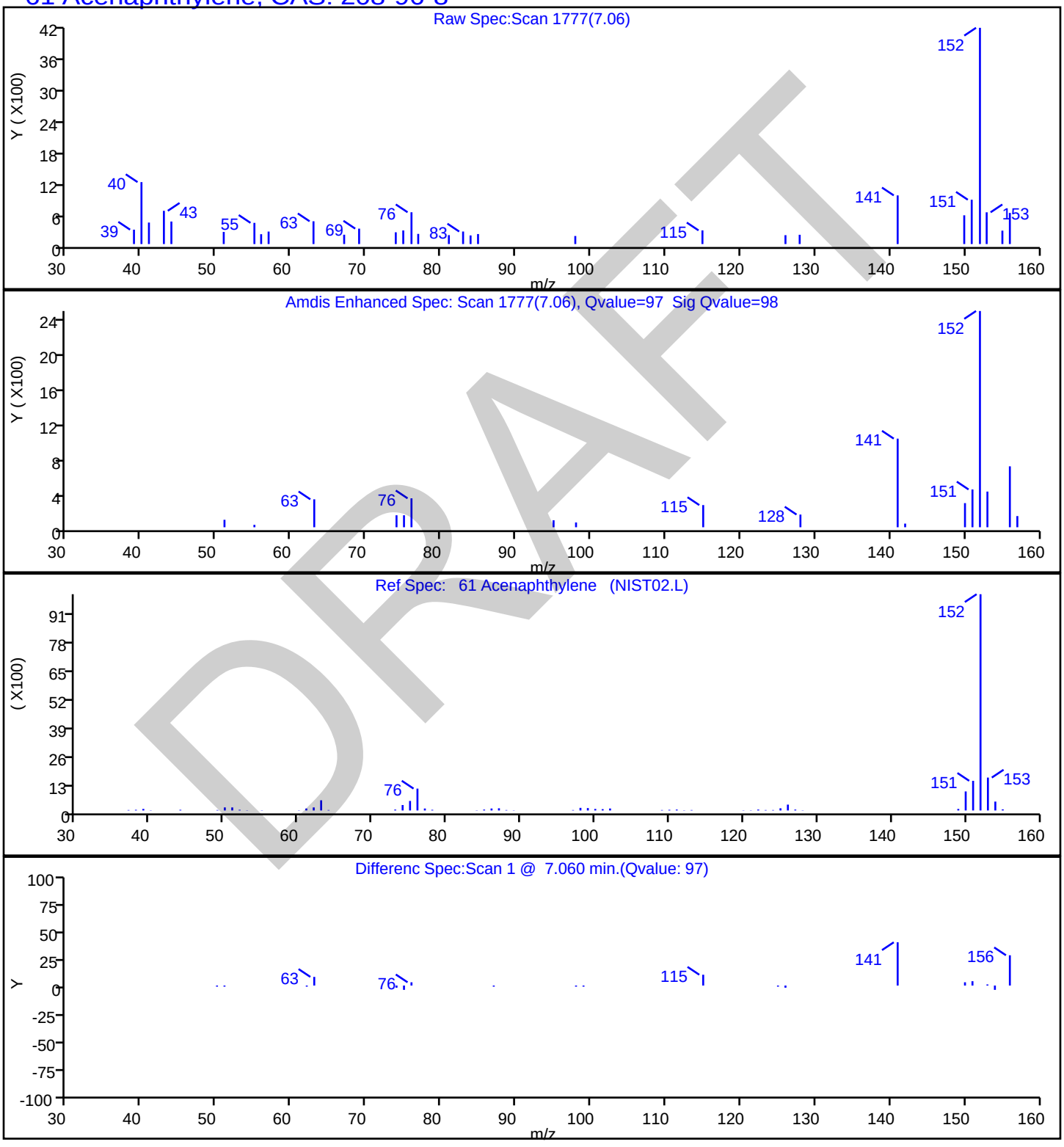


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Eurofins Edison

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Injection Date:	07-Jul-2024 21:15:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-3-A	Lab Sample ID:	460-307050-3		
Client ID:	SB-8-(0-2)				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

61 Acenaphthylene, CAS: 208-96-8

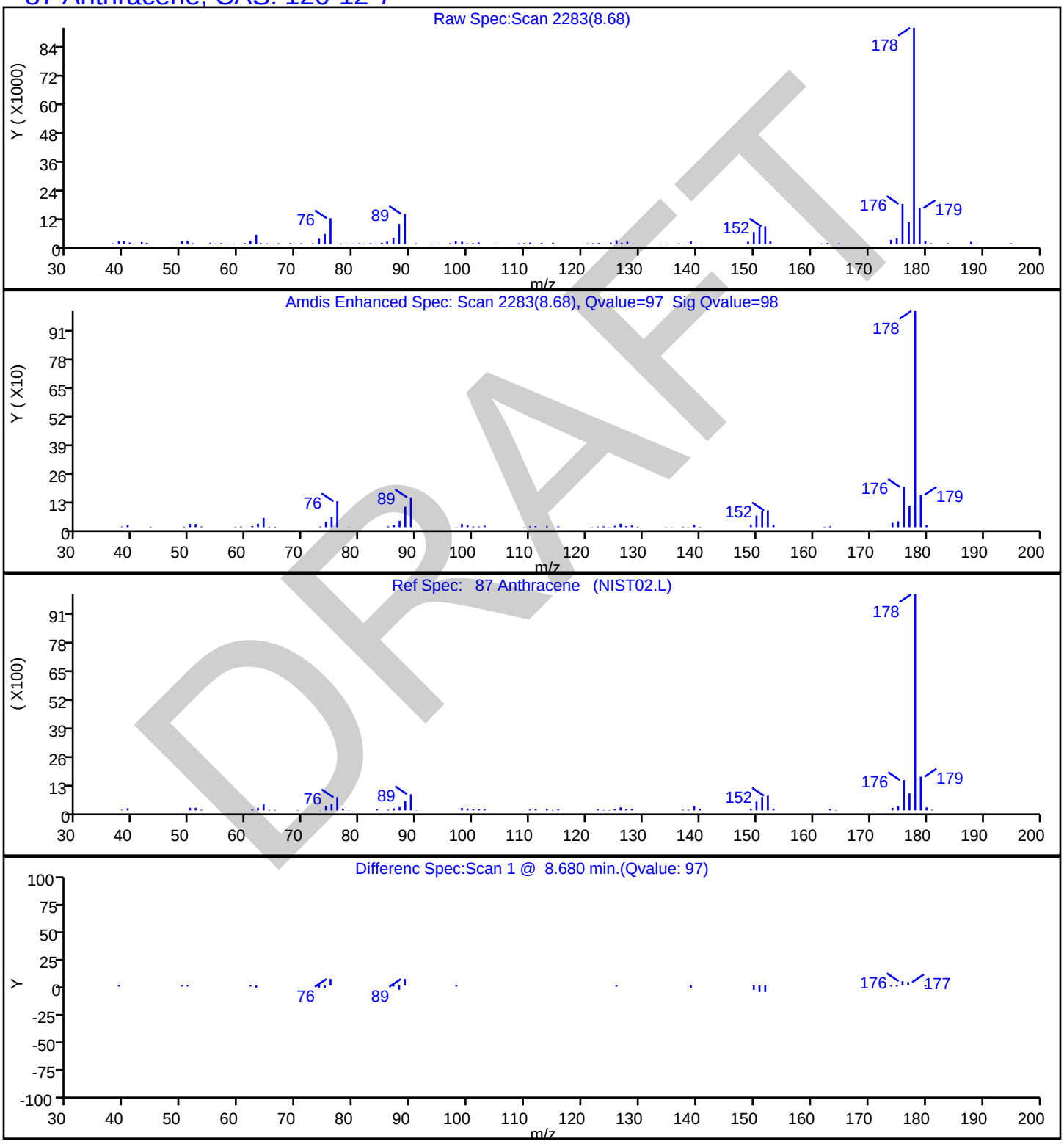


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Eurofins Edison

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Injection Date:	07-Jul-2024 21:15:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-3-A	Lab Sample ID:	460-307050-3		
Client ID:	SB-8-(0-2)				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

87 Anthracene, CAS: 120-12-7

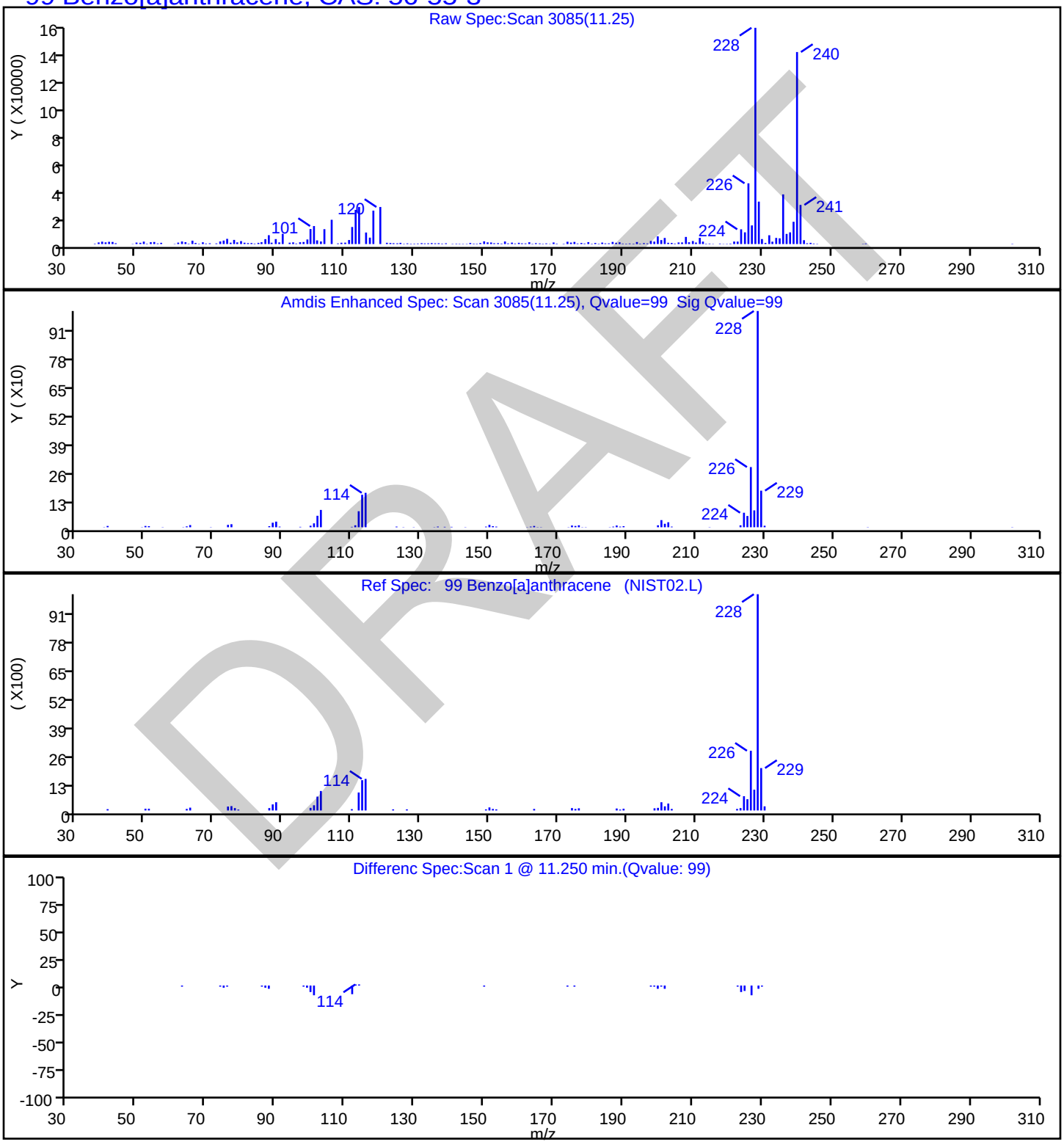


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Eurofins Edison

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Lims ID:	460-307050-A-3-A	Lab Sample ID:	460-307050-3		
Client ID:	SB-8-(0-2)				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

99 Benzo[a]anthracene, CAS: 56-55-3

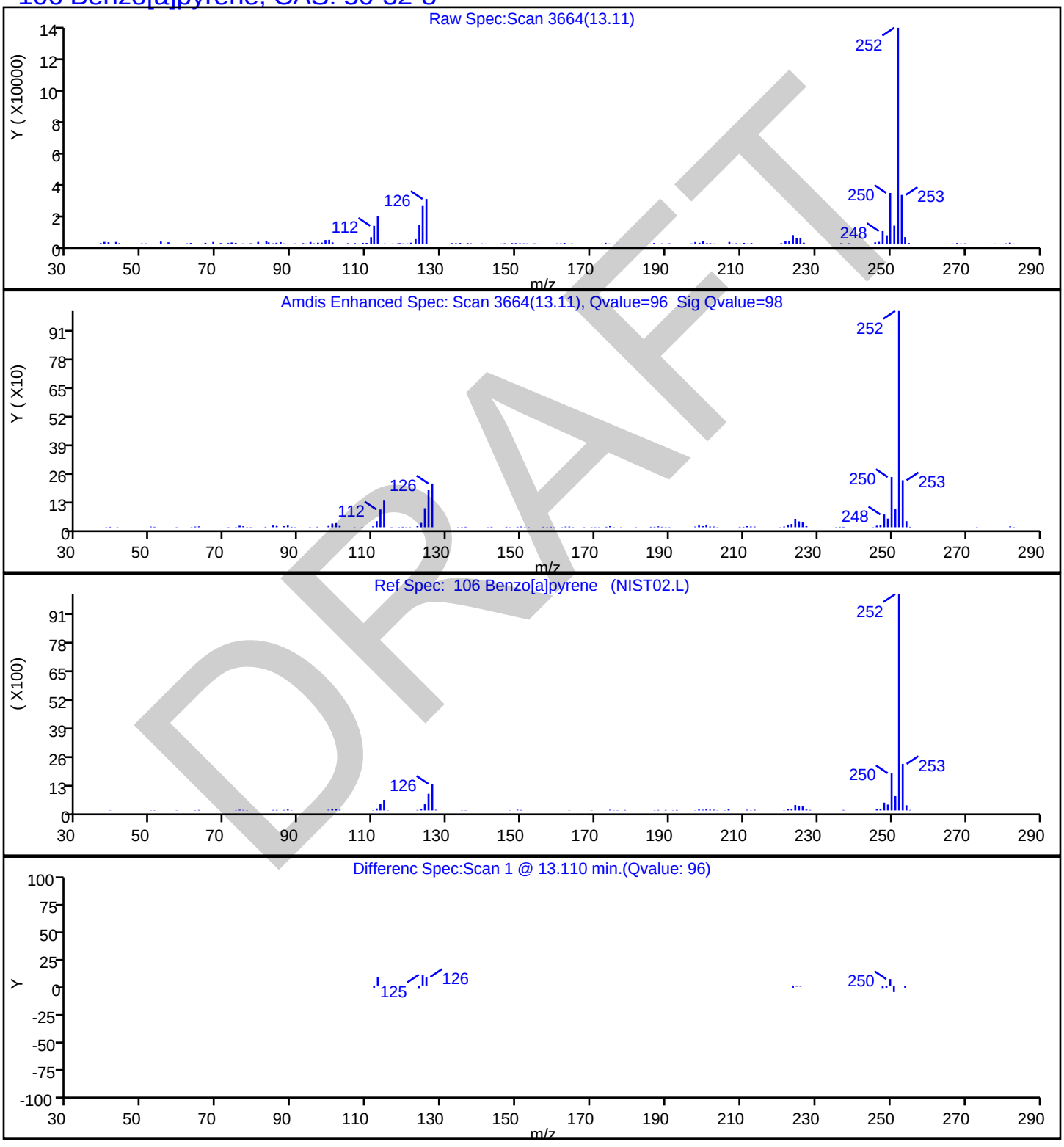


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Injection Date:	07-Jul-2024 21:15:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-3-A	Lab Sample ID:	460-307050-3		
Client ID:	SB-8-(0-2)				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

106 Benzo[a]pyrene, CAS: 50-32-8

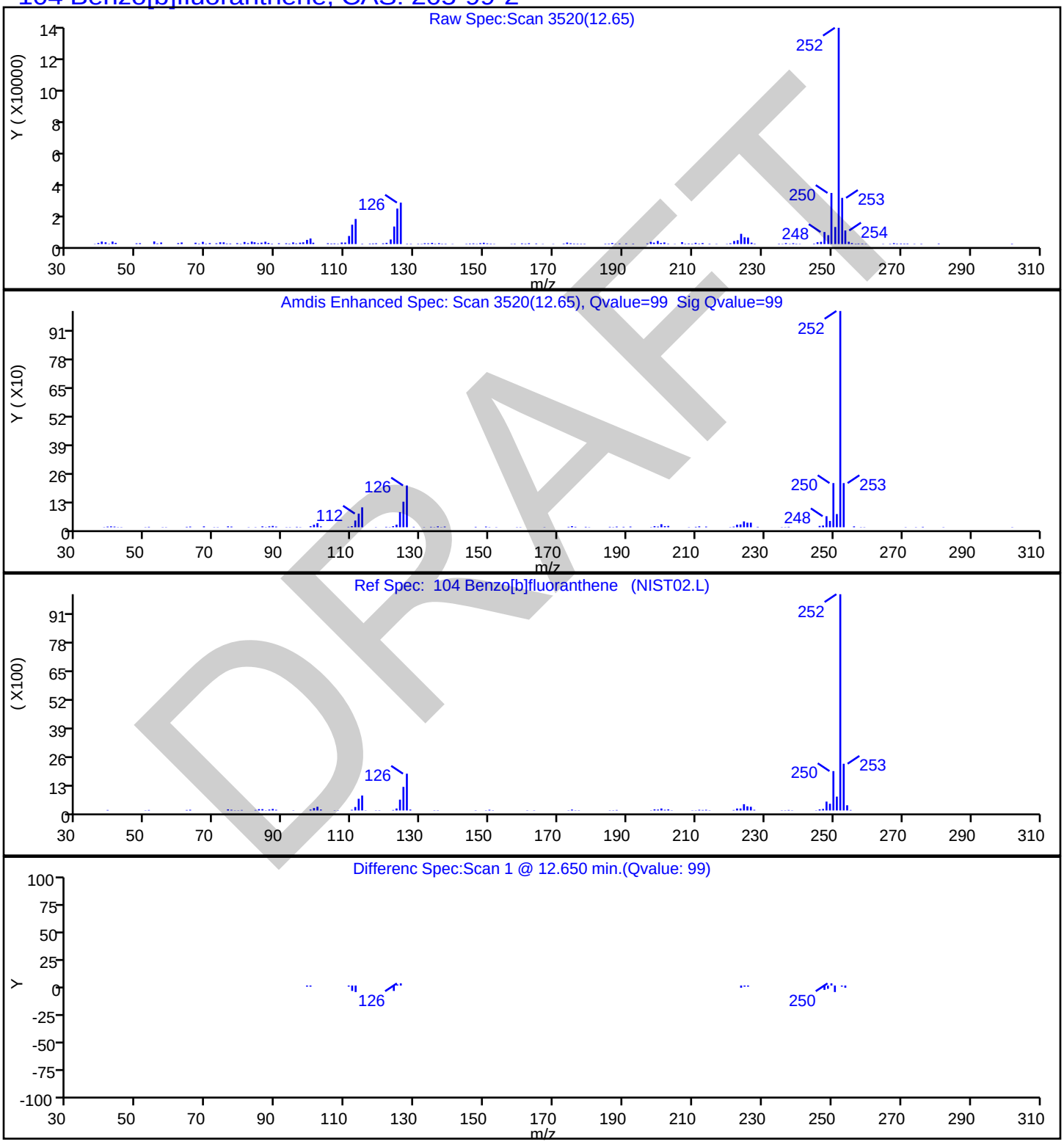


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Eurofins Edison

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Injection Date:	07-Jul-2024 21:15:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-3-A	Lab Sample ID:	460-307050-3		
Client ID:	SB-8-(0-2)				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

104 Benzo[b]fluoranthene, CAS: 205-99-2

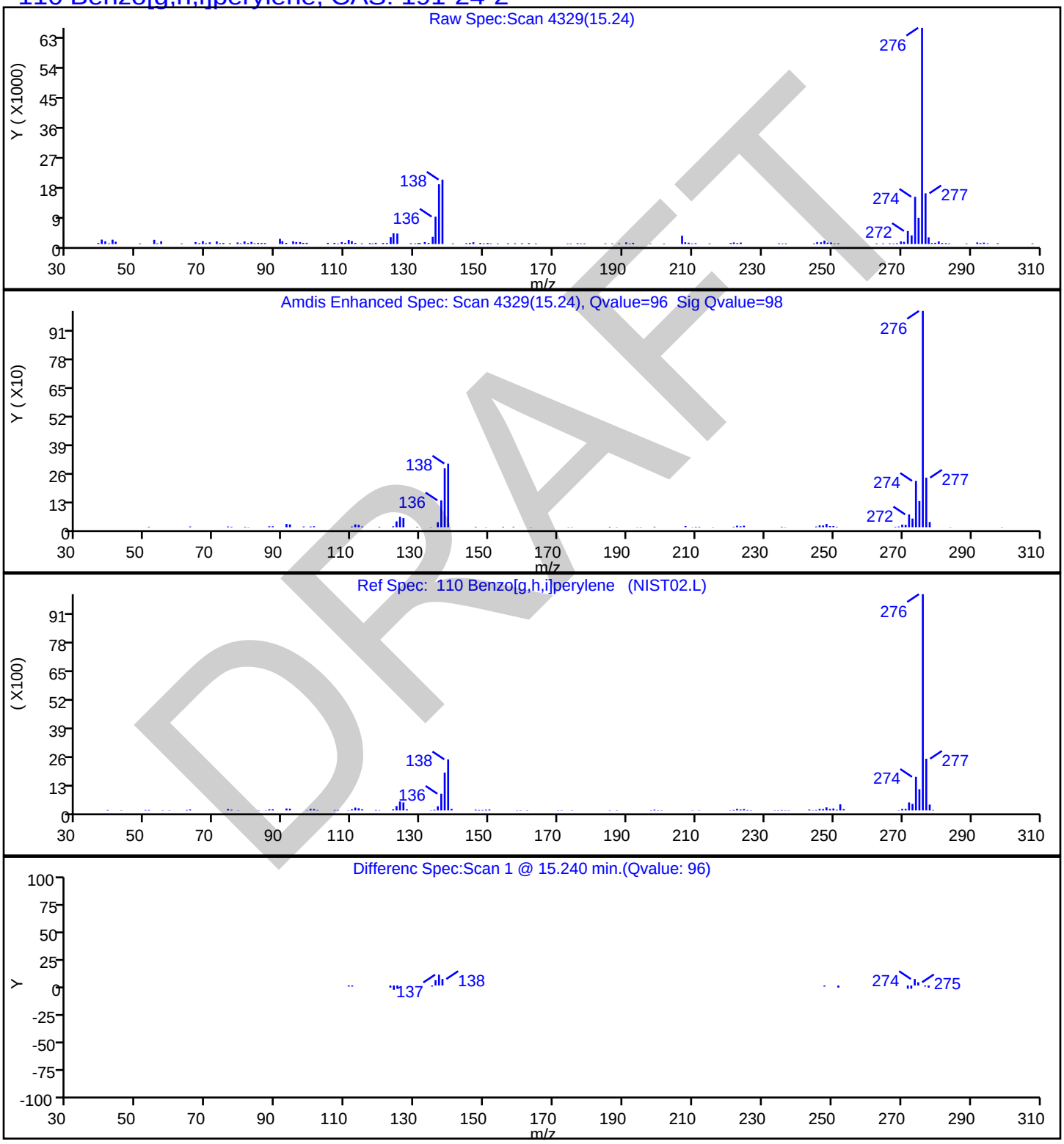


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Lims ID:	460-307050-A-3-A	Lab Sample ID:	460-307050-3		
Client ID:	SB-8-(0-2)				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

110 Benzo[g,h,i]perylene, CAS: 191-24-2

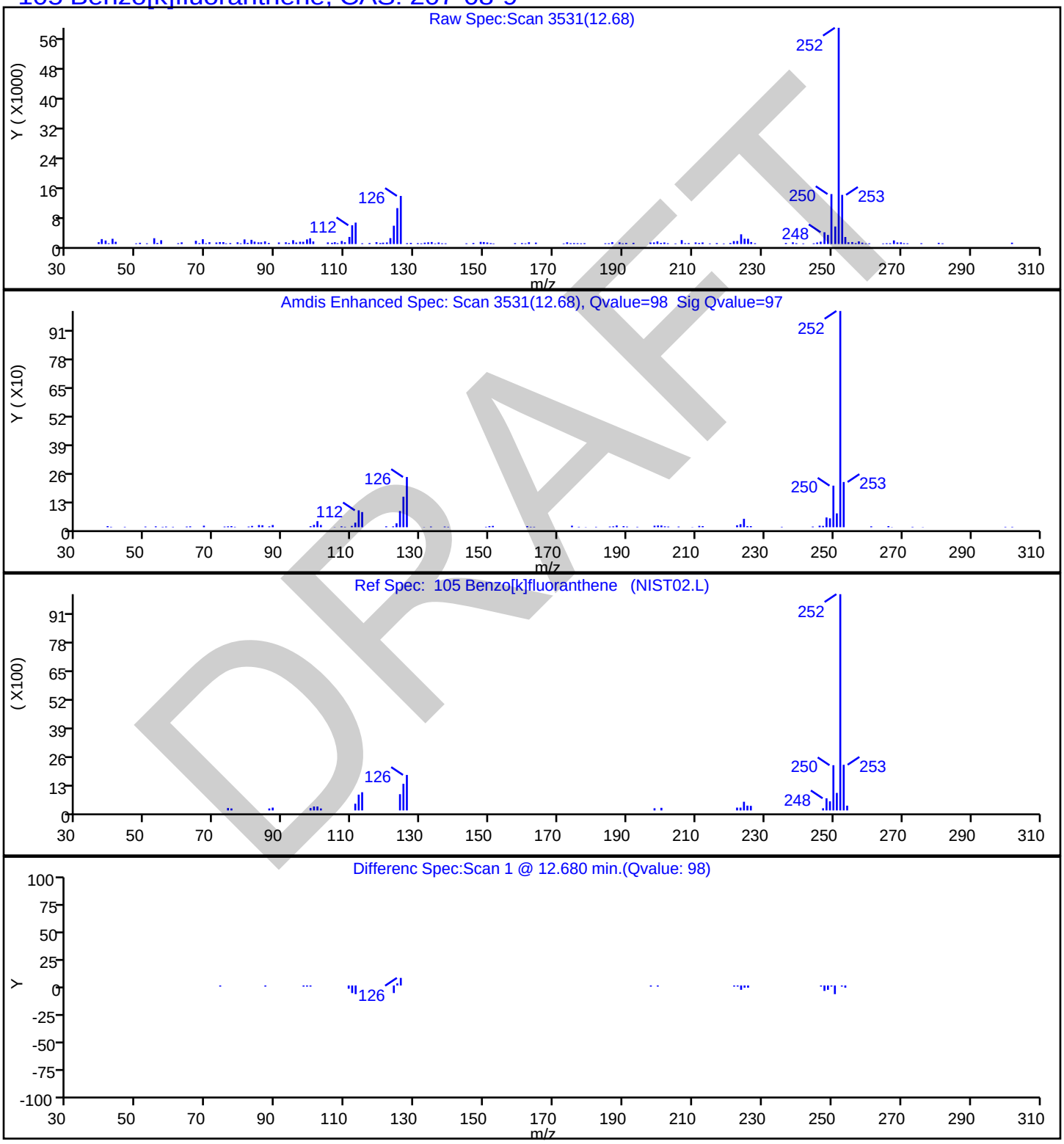


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Client ID:	SB-8-(0-2)				
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Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

105 Benzo[k]fluoranthene, CAS: 207-08-9

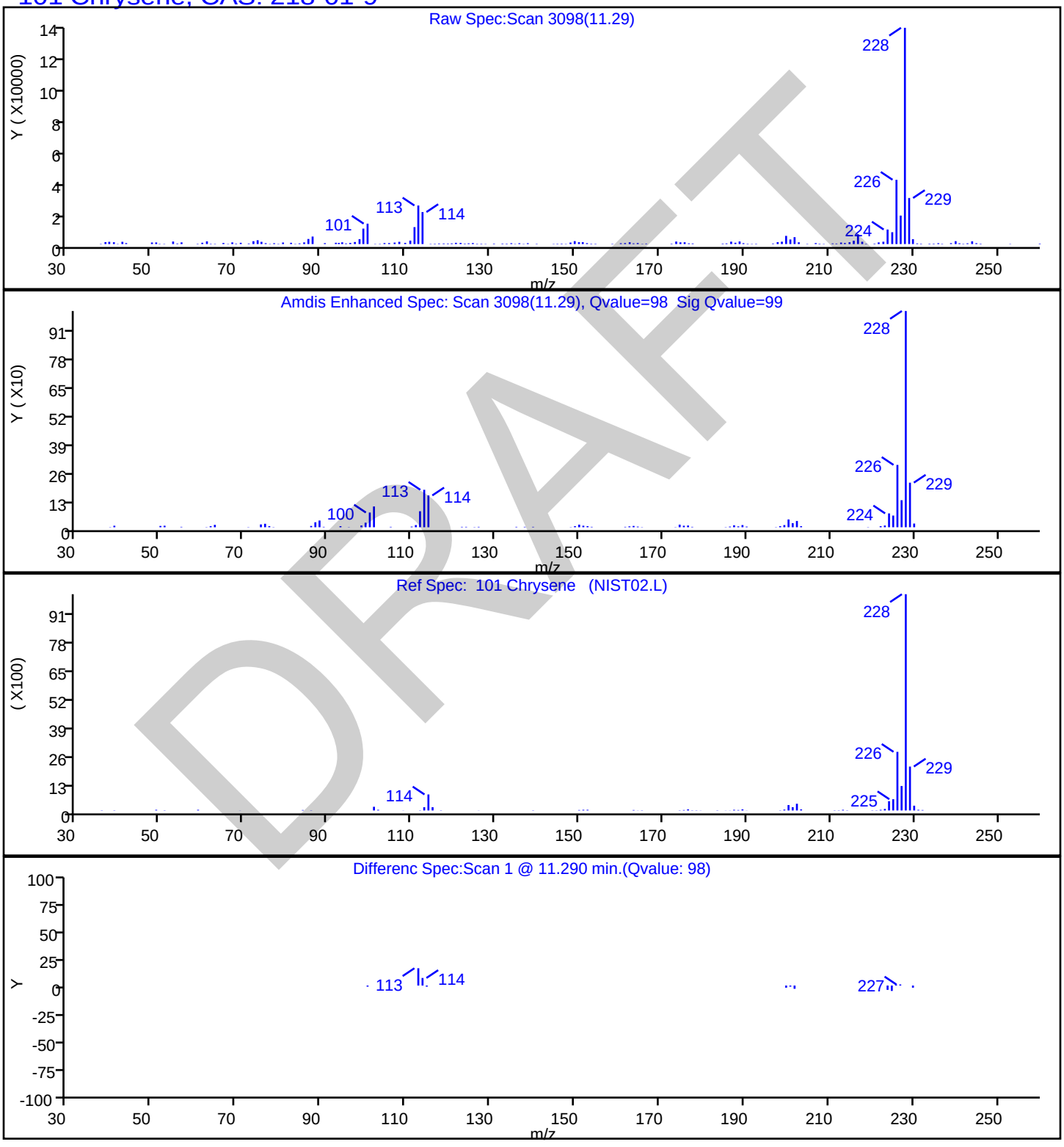


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Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37720.d				
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Lims ID:	460-307050-A-3-A	Lab Sample ID:	460-307050-3		
Client ID:	SB-8-(0-2)				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

101 Chrysene, CAS: 218-01-9



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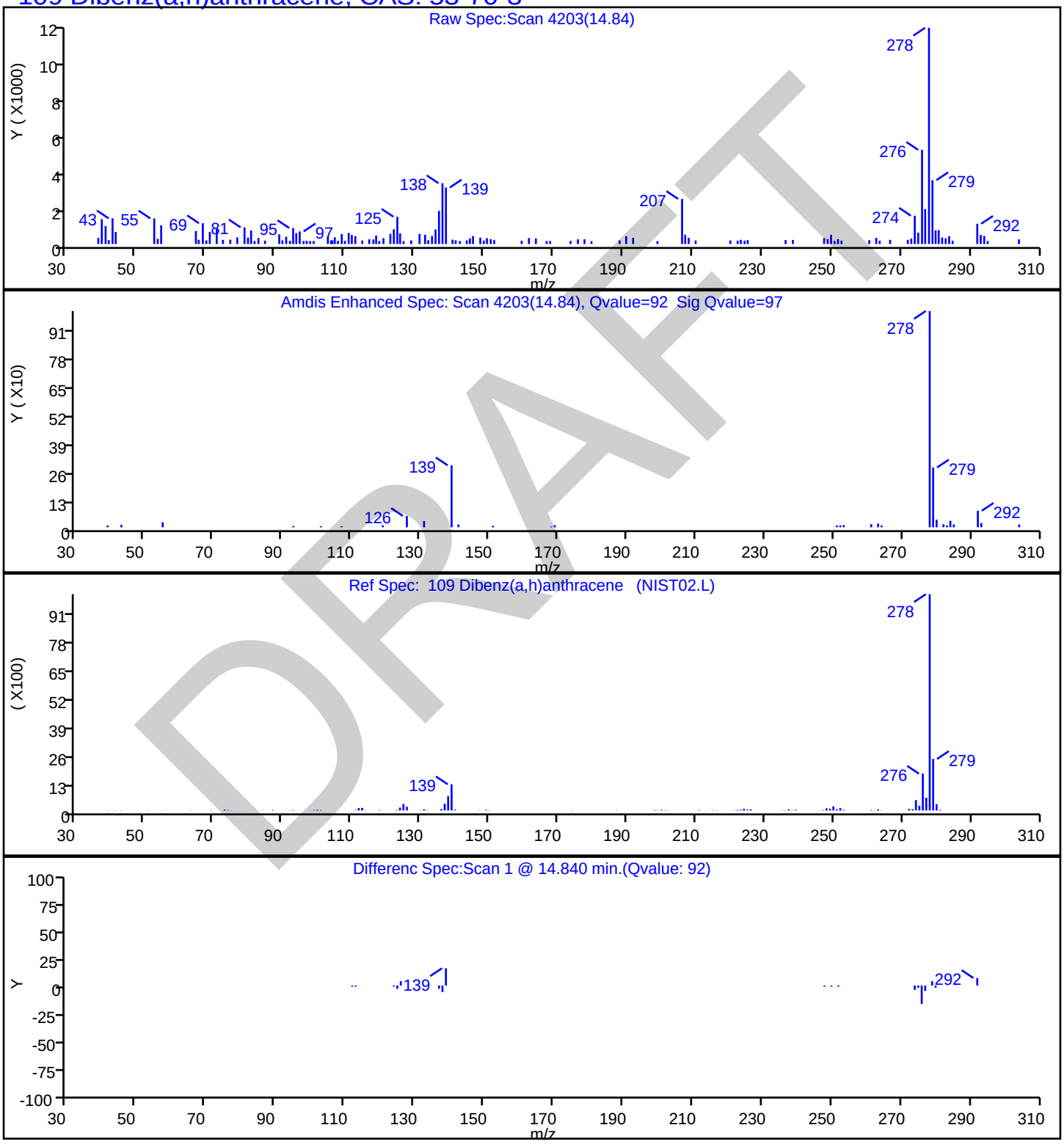
Report Date: 08-Jul-2024 13:39:46 Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37720.d

Injection Date:	07-Jul-2024 21:15:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-3-A	Lab Sample ID:	460-307050-3		
Client ID:	SB-8-(0-2)				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

109 Dibenz(a,h)anthracene, CAS: 53-70-3



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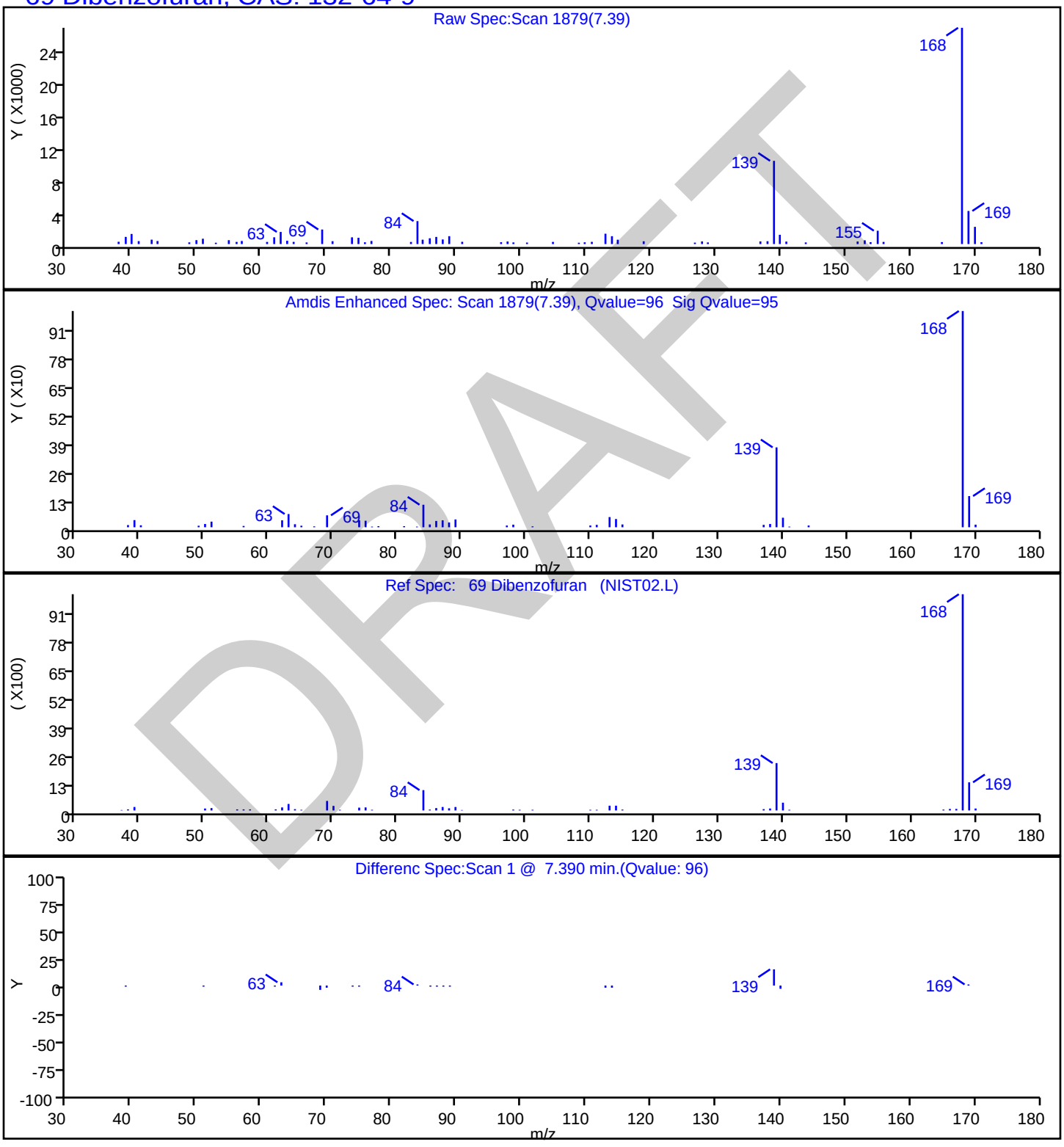
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Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37720.d

Injection Date:	07-Jul-2024 21:15:30	Instrument ID:	CBNAMS12
Lims ID:	460-307050-A-3-A	Lab Sample ID:	460-307050-3
Client ID:	SB-8-(0-2)		
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Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN

69 Dibenzofuran, CAS: 132-64-9

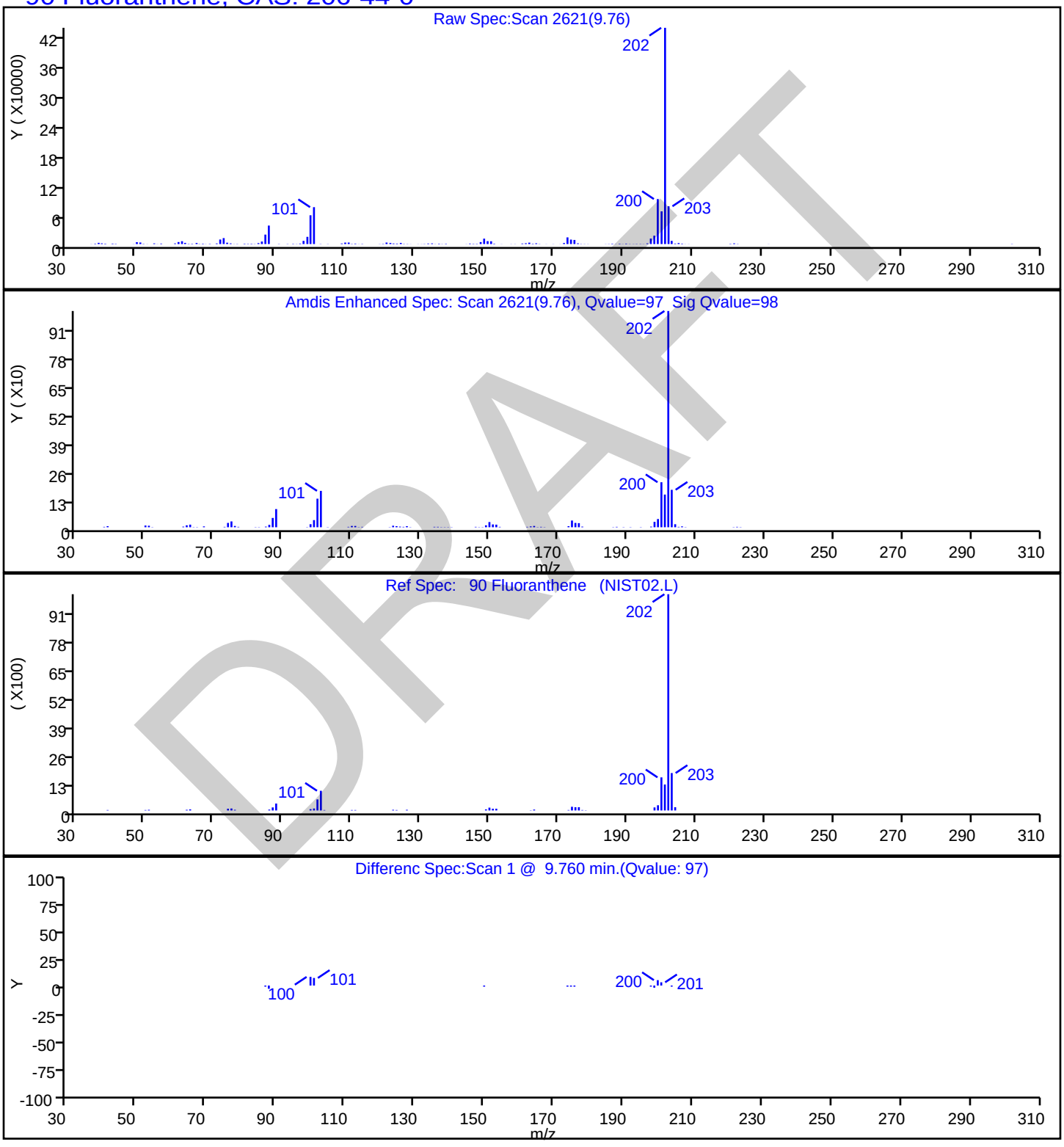


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Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37720.d				
Injection Date:	07-Jul-2024 21:15:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-3-A	Lab Sample ID:	460-307050-3		
Client ID:	SB-8-(0-2)				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

90 Fluoranthene, CAS: 206-44-0

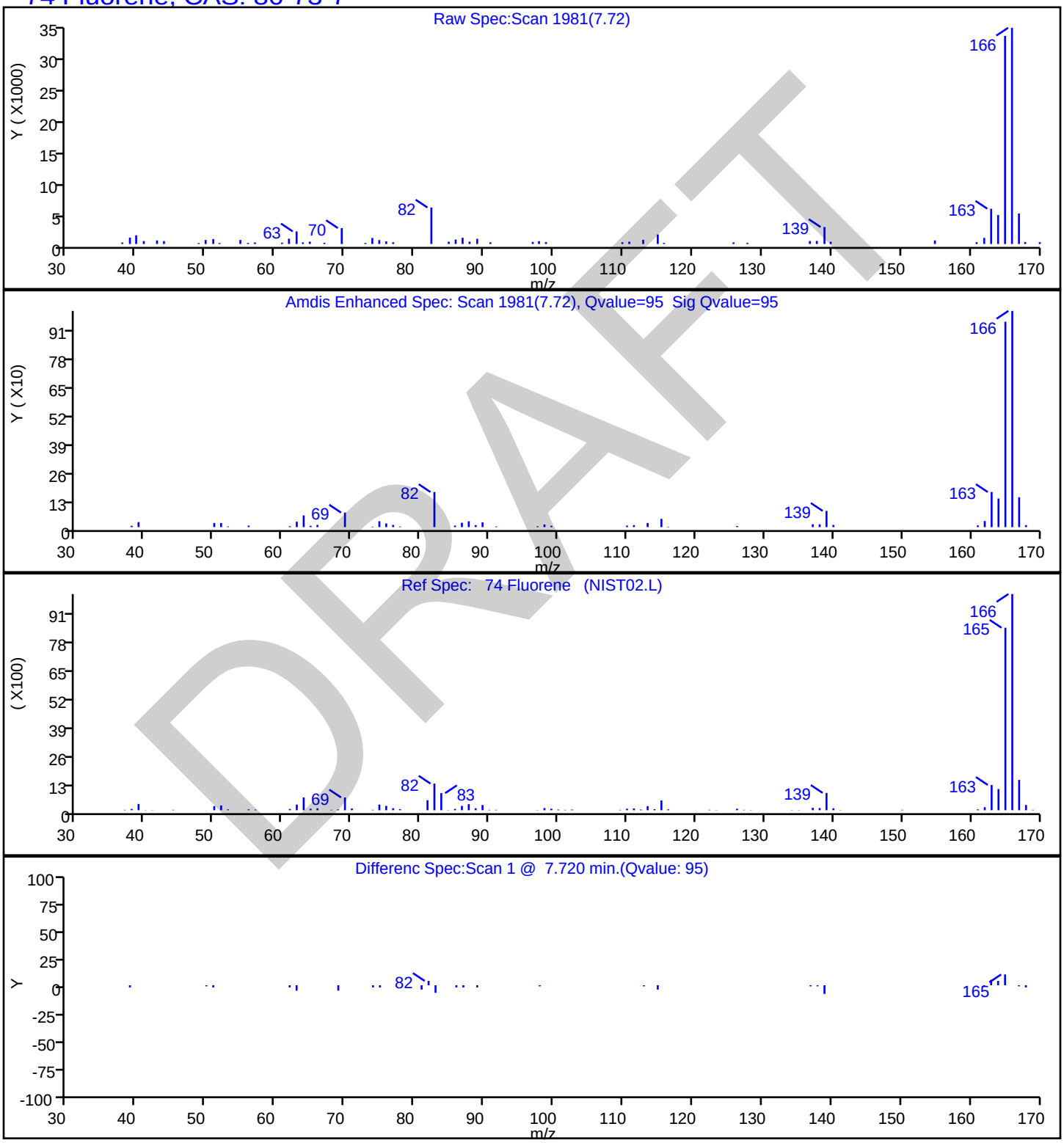


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Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37720.d				
Injection Date:	07-Jul-2024 21:15:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-3-A	Lab Sample ID:	460-307050-3		
Client ID:	SB-8-(0-2)				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

74 Fluorene, CAS: 86-73-7

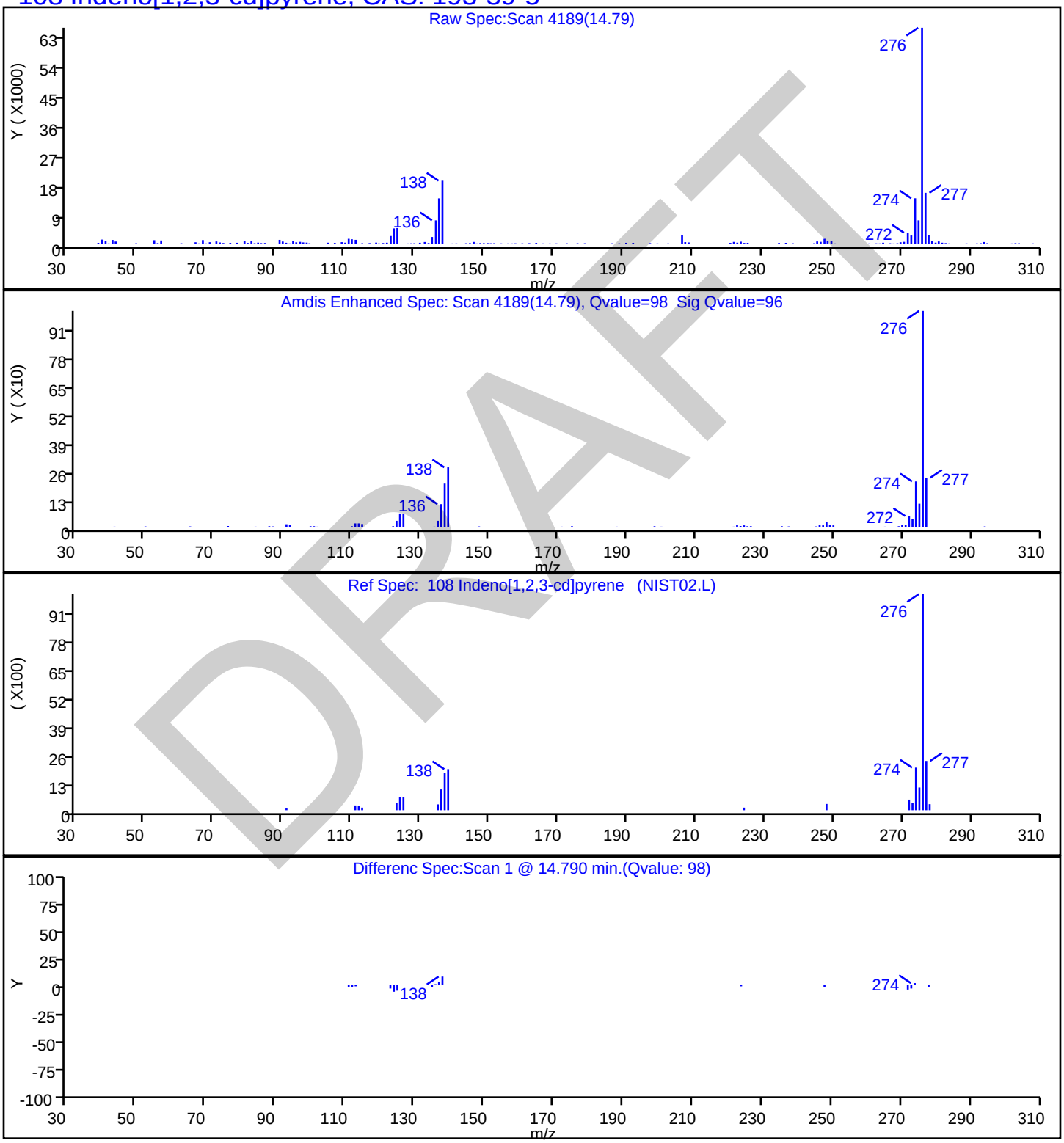


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Eurofins Edison

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Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

108 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

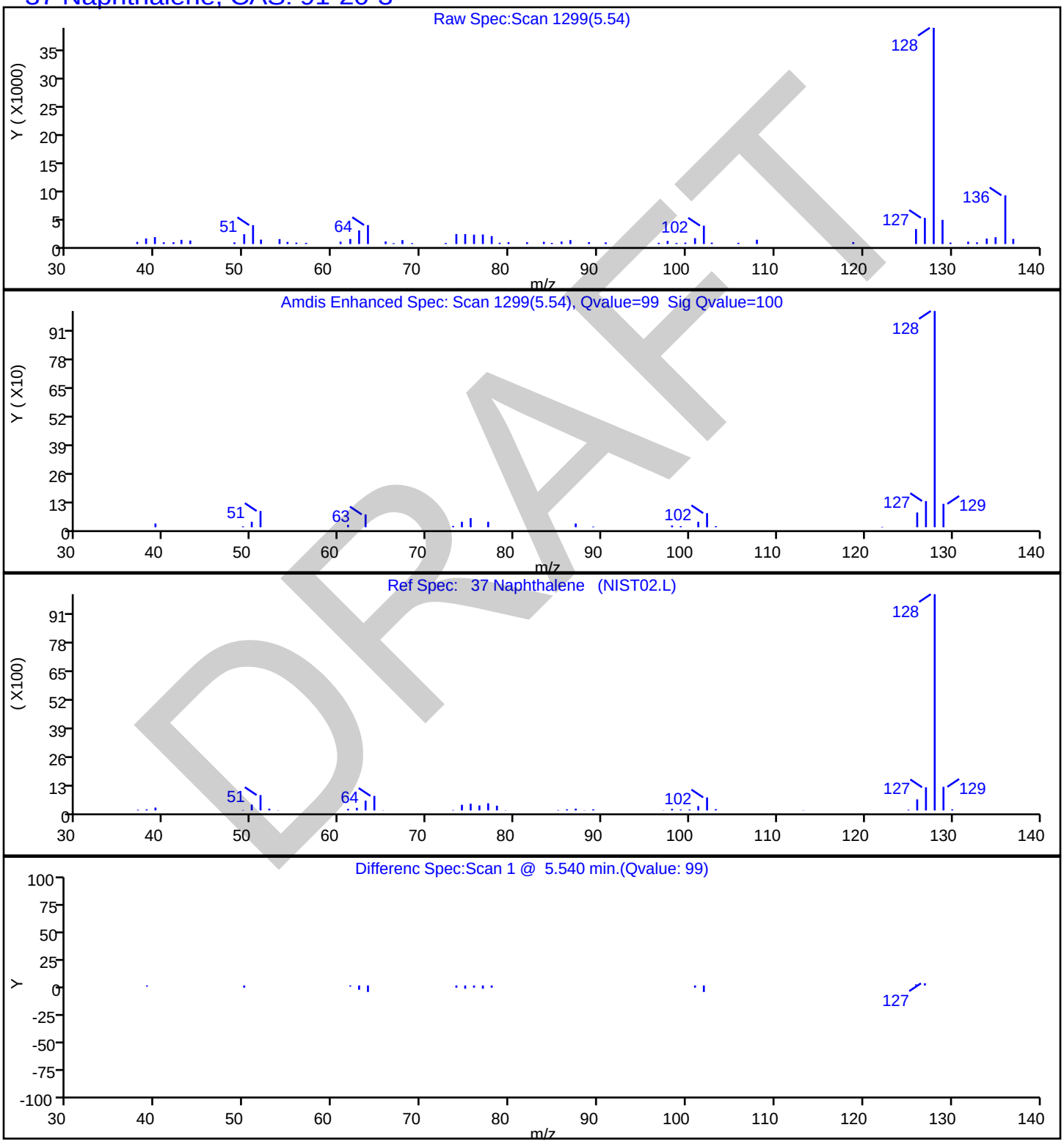


DRAFT

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37720.d
Injection Date: 07-Jul-2024 21:15:30 Instrument ID: CBNAMS12
Lims ID: 460-307050-A-3-A Lab Sample ID: 460-307050-3
Client ID: SB-8-(0-2)
Operator ID: ALS Bottle#: 21 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_12R_9 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

37 Naphthalene, CAS: 91-20-3

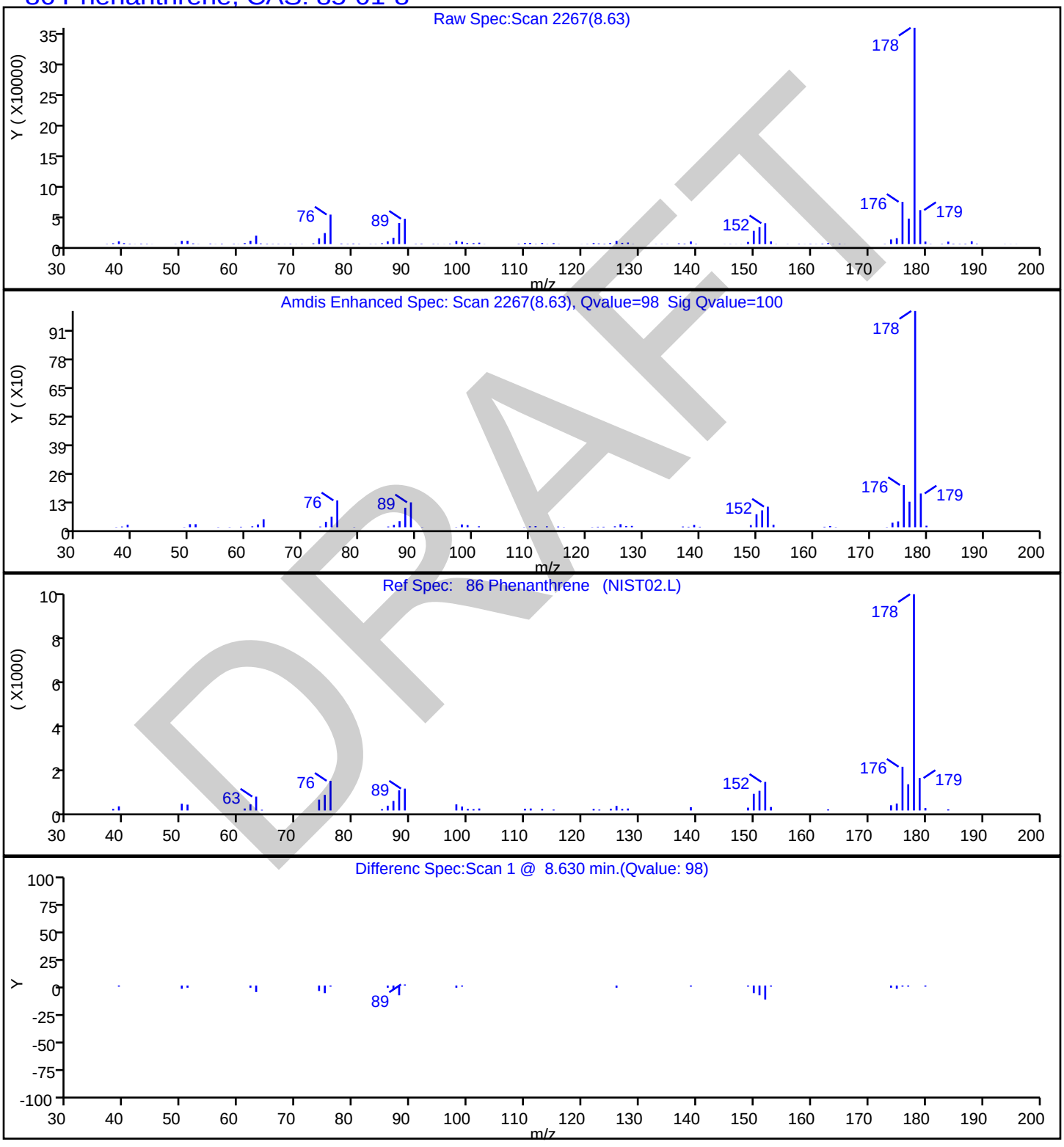


DRAFT

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37720.d				
Injection Date:	07-Jul-2024 21:15:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-3-A	Lab Sample ID:	460-307050-3		
Client ID:	SB-8-(0-2)				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

86 Phenanthrene, CAS: 85-01-8



DRAFT

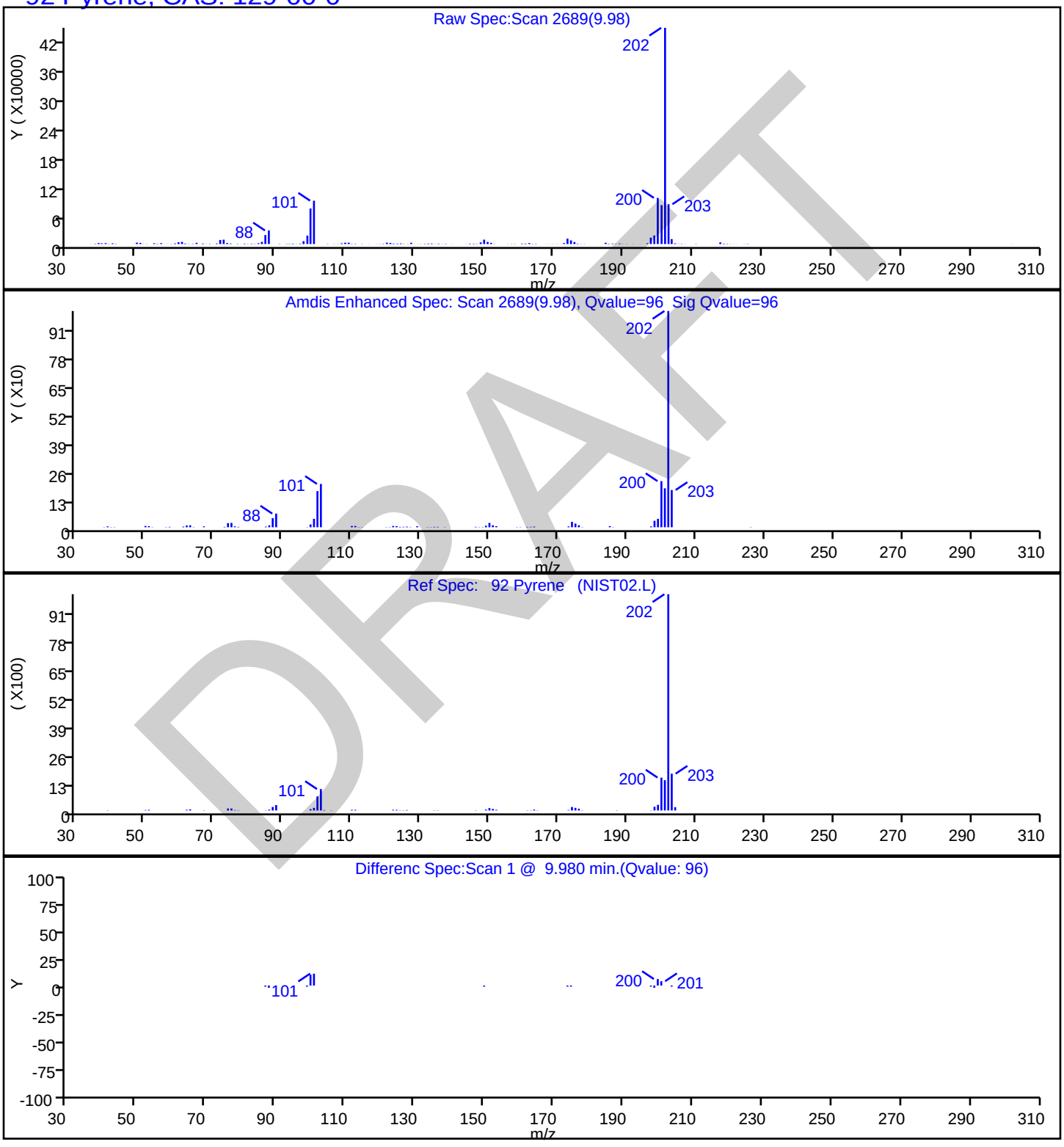
Report Date: 08-Jul-2024 13:39:46 Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37720.d

Injection Date:	07-Jul-2024 21:15:30	Instrument ID:	CBNAMS12
Lims ID:	460-307050-A-3-A	Lab Sample ID:	460-307050-3
Client ID:	SB-8-(0-2)		
Operator ID:		ALS Bottle#:	21 Worklist Smp#: 21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN

92 Pyrene, CAS: 129-00-0



DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

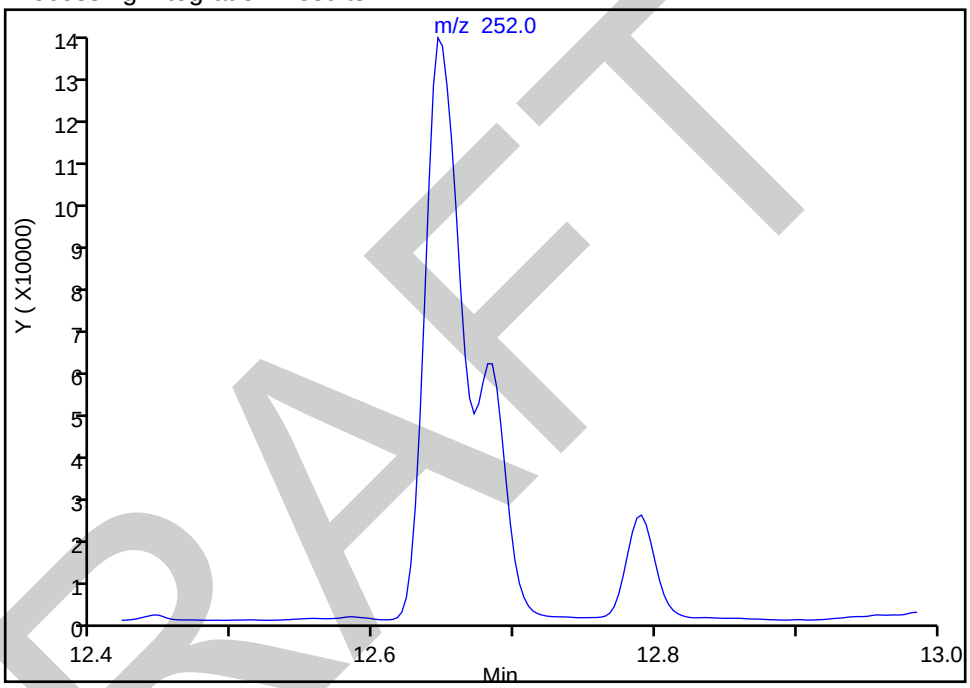
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Lims ID:	460-307050-A-3-A	Lab Sample ID:	460-307050-3		
Client ID:	SB-8-(0-2)				
Operator ID:		ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

105 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

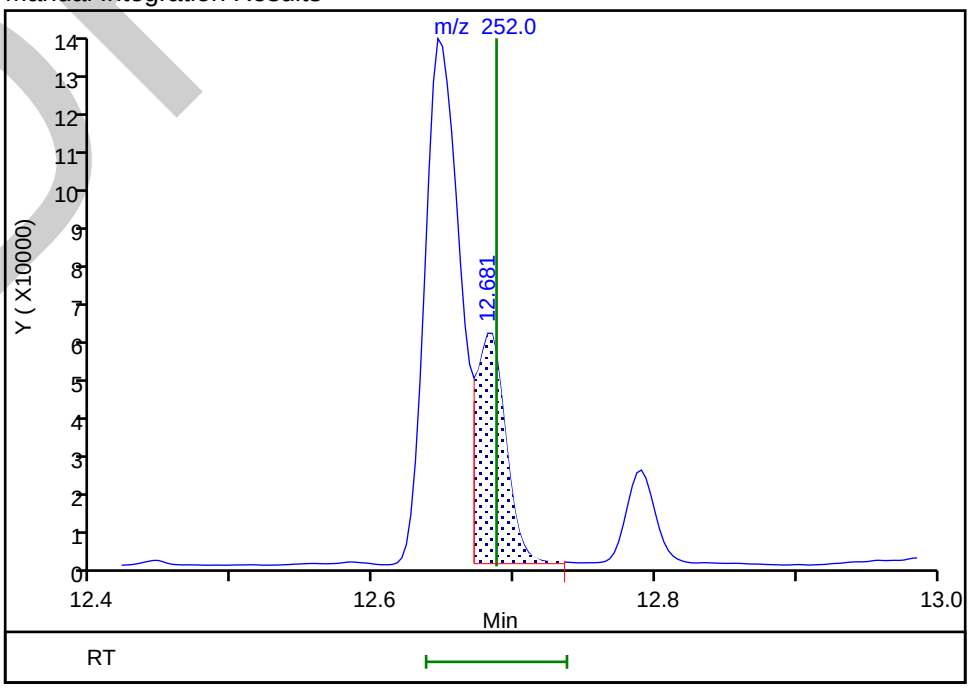
Not Detected
Expected RT: 12.69

Processing Integration Results



Manual Integration Results

RT:	12.68
Area:	86502
Amount:	5.485059
Amount Units:	ug/ml



Reviewer: C8UP, 08-Jul-2024 13:39:22 07:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Assign Peak

DRAFT

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-307050-1

SDG No.:

Client Sample ID: SB-8-(9-11) | Lab Sample ID: 460-307050-4

Matrix: Solid | Lab File ID: L37721.d

Analysis Method: 8270E | Date Collected: 07/03/2024 10:30

Extract. Method: 3546 | Date Extracted: 07/06/2024 10:42

Sample wt/vol: 15.00(g) | Date Analyzed: 07/07/2024 21:38

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: 10.4 % Solids: 89.6 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 983942 | Units: mg/Kg

Preparation Batch No.: 983903 | Instrument ID: CBNAMS12

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.037	U	0.037	0.032
95-48-7	2-Methylphenol	0.37	U	0.37	0.014
15831-10-4	3 & 4 Methylphenol	0.37	U	0.37	0.023
83-32-9	Acenaphthene	0.37	U	0.37	0.011
208-96-8	Acenaphthylene	0.033	J	0.37	0.011
120-12-7	Anthracene	0.038	J	0.37	0.011
56-55-3	Benzo[a]anthracene	0.30		0.037	0.028
50-32-8	Benzo[a]pyrene	0.32		0.037	0.0098
205-99-2	Benzo[b]fluoranthene	0.43		0.037	0.0096
191-24-2	Benzo[g,h,i]perylene	0.23	J	0.37	0.011
207-08-9	Benzo[k]fluoranthene	0.16		0.037	0.0072
218-01-9	Chrysene	0.32	J	0.37	0.016
53-70-3	Dibenz(a,h)anthracene	0.071		0.037	0.016
132-64-9	Dibenzofuran	0.37	U	0.37	0.012
206-44-0	Fluoranthene	0.42		0.37	0.013
86-73-7	Fluorene	0.37	U	0.37	0.011
118-74-1	Hexachlorobenzene	0.037	U	0.037	0.018
193-39-5	Indeno[1,2,3-cd]pyrene	0.24		0.037	0.014
91-20-3	Naphthalene	0.0090	J	0.37	0.0064
87-86-5	Pentachlorophenol	0.30	U	0.30	0.076
85-01-8	Phenanthrene	0.16	J	0.37	0.015
108-95-2	Phenol	0.37	U	0.37	0.014
129-00-0	Pyrene	0.41		0.37	0.0092

DRAFT

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-307050-1

SDG No.:

Client Sample ID: SB-8-(9-11) | Lab Sample ID: 460-307050-4

Matrix: Solid | Lab File ID: L37721.d

Analysis Method: 8270E | Date Collected: 07/03/2024 10:30

Extract. Method: 3546 | Date Extracted: 07/06/2024 10:42

Sample wt/vol: 15.00(g) | Date Analyzed: 07/07/2024 21:38

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: 10.4 % Solids: 89.6 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 983942 | Units: mg/Kg

Preparation Batch No.: 983903 | Instrument ID: CBNAMS12

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	59		24-137
321-60-8	2-Fluorobiphenyl	66		38-128
367-12-4	2-Fluorophenol (Surr)	63		31-133
4165-60-0	Nitrobenzene-d5 (Surr)	64		31-120
4165-62-2	Phenol-d5 (Surr)	63		35-132
1718-51-0	Terphenyl-d14 (Surr)	74		44-147

DRAFT

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37721.d
Lims ID: 460-307050-A-4-A
Client ID: SB-8-(9-11)
Sample Type: Client
Inject. Date: 07-Jul-2024 21:38:30 ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0178055-022
Operator ID: Instrument ID: CBNAMS12

Method: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\8270_12R_9.m
Limit Group: SV 8270E ICAL
Last Update: 08-Jul-2024 13:40:48 Calib Date: 24-Jun-2024 11:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37512.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: C8UP Date: 08-Jul-2024 13:40:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	3.024	3.015	0.009	94	194139	31.7	
$ 6 Phenol-d5	99	3.934	3.934	0.000	0	257773	31.3	
* 13 1,4-Dichlorobenzene-d4	152	4.294	4.295	-0.001	97	176902	40.0	
$ 26 Nitrobenzene-d5	82	4.837	4.842	-0.005	88	217514	32.0	
* 36 Naphthalene-d8	136	5.517	5.519	-0.002	99	656029	40.0	
37 Naphthalene	128	5.539	5.536	0.001	95	2013	0.1211	
$ 50 2-Fluorobiphenyl	172	6.551	6.551	0.000	97	377651	33.2	
61 Acenaphthylene	152	7.061	7.061	0.001	96	6366	0.4408	
* 63 Acenaphthene-d10	164	7.189	7.191	-0.002	96	317607	40.0	
$ 79 2,4,6-Tribromophenol	330	7.945	7.949	-0.004	93	68984	29.6	
* 85 Phenanthrene-d10	188	8.606	8.610	-0.004	98	525765	40.0	
86 Phenanthrene	178	8.632	8.631	-0.001	98	28420	2.12	
87 Anthracene	178	8.683	8.679	0.002	97	6970	0.5083	
90 Fluoranthene	202	9.763	9.761	-0.001	97	81586	5.68	
92 Pyrene	202	9.980	9.976	-0.001	95	72480	5.55	
$ 94 Terphenyl-d14	244	10.134	10.135	-0.001	97	399338	37.1	
99 Benzo[a]anthracene	228	11.246	11.248	-0.004	98	49559	4.07	
* 100 Chrysene-d12	240	11.259	11.262	-0.003	98	362625	40.0	
101 Chrysene	228	11.288	11.290	-0.003	98	47870	4.28	
104 Benzo[b]fluoranthene	252	12.645	12.659	-0.001	98	80083	5.78	
105 Benzo[k]fluoranthene	252	12.683	12.681	-0.004	98	31146	2.20	
106 Benzo[a]pyrene	252	13.106	13.109	-0.003	97	55998	4.28	
* 107 Perylene-d12	264	13.189	13.192	-0.003	98	505061	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.797	14.815	-0.002	97	45960	3.19	
109 Dibenz(a,h)anthracene	278	14.832	14.832	-0.009	91	13283	0.9525	Ma
110 Benzo[g,h,i]perylene	276	15.242	15.245	-0.008	95	41519	3.12	

QC Flag Legend
Processing Flags

DRAFT

Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

SM_ISTD_00197 Amount Added: 20.00 Units: uL Run Reagent

DRAFT

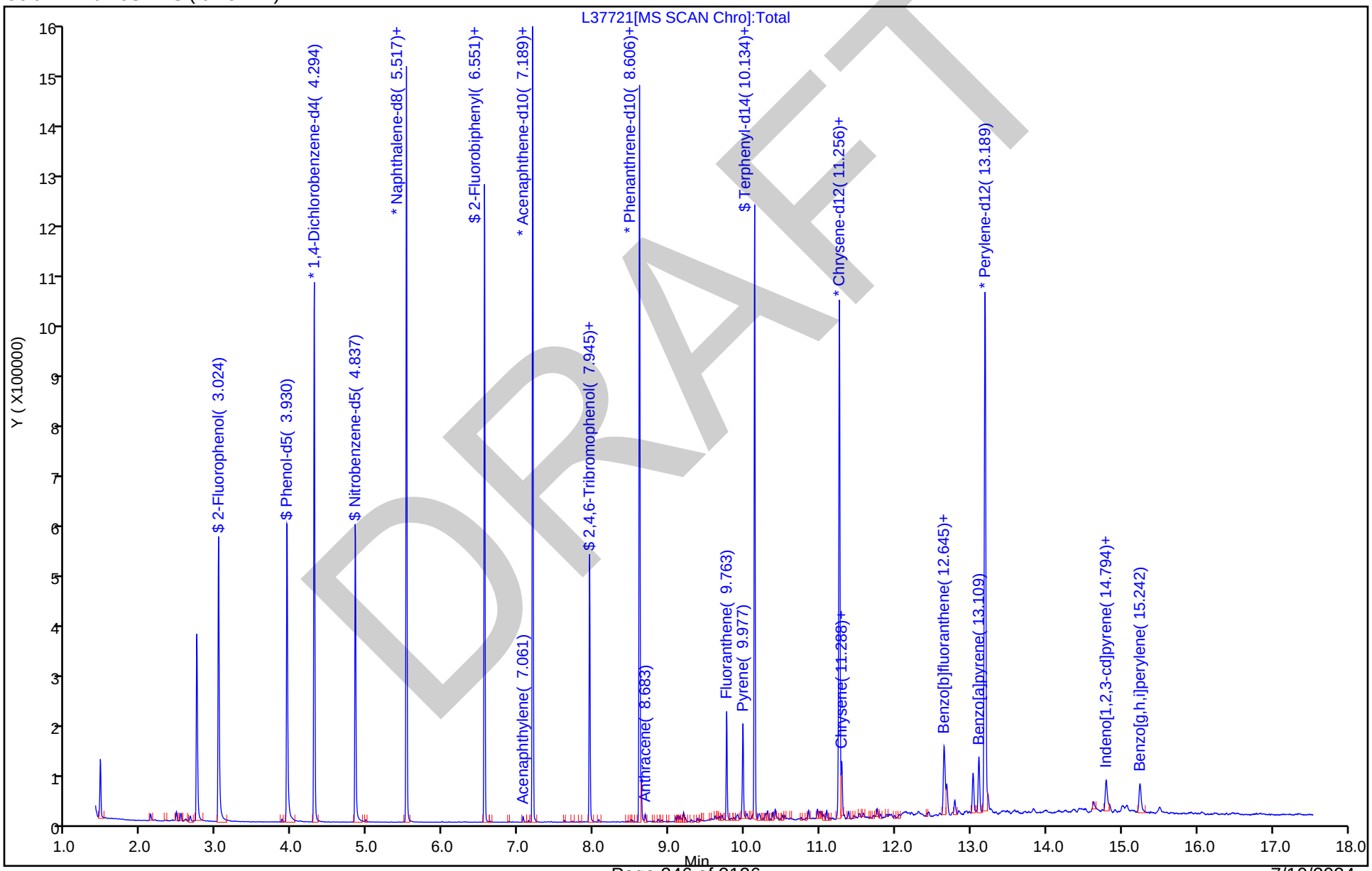
Report Date: 08-Jul-2024 13:40:49 Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37721.d

Injection Date:	07-Jul-2024 21:38:30	Instrument ID:	CBNAMS12	Operator ID:	
Lims ID:	460-307050-A-4-A	Lab Sample ID:	460-307050-4	Worklist Smp#:	22
Client ID:	SB-8-(9-11)				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	22
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



DRAFT

7/10/2024
4:48:04 PM

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37721.d
Lims ID: 460-307050-A-4-A
Client ID: SB-8-(9-11)
Sample Type: Client
Inject. Date: 07-Jul-2024 21:38:30 ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0178055-022
Operator ID: Instrument ID: CBNAMS12

Method: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\8270_12R_9.m
Limit Group: SV 8270E ICAL
Last Update: 08-Jul-2024 13:40:48 Calib Date: 24-Jun-2024 11:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37512.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: C8UP Date: 08-Jul-2024 13:40:48

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 2-Fluorophenol	50.0	31.7	63.44
$ 6 Phenol-d5	50.0	31.3	62.59
$ 26 Nitrobenzene-d5	50.0	32.0	63.93
$ 50 2-Fluorobiphenyl	50.0	33.2	66.34
$ 79 2,4,6-Tribromophenol	50.0	29.6	59.14
$ 94 Terphenyl-d14	50.0	37.1	74.12

DRAFT

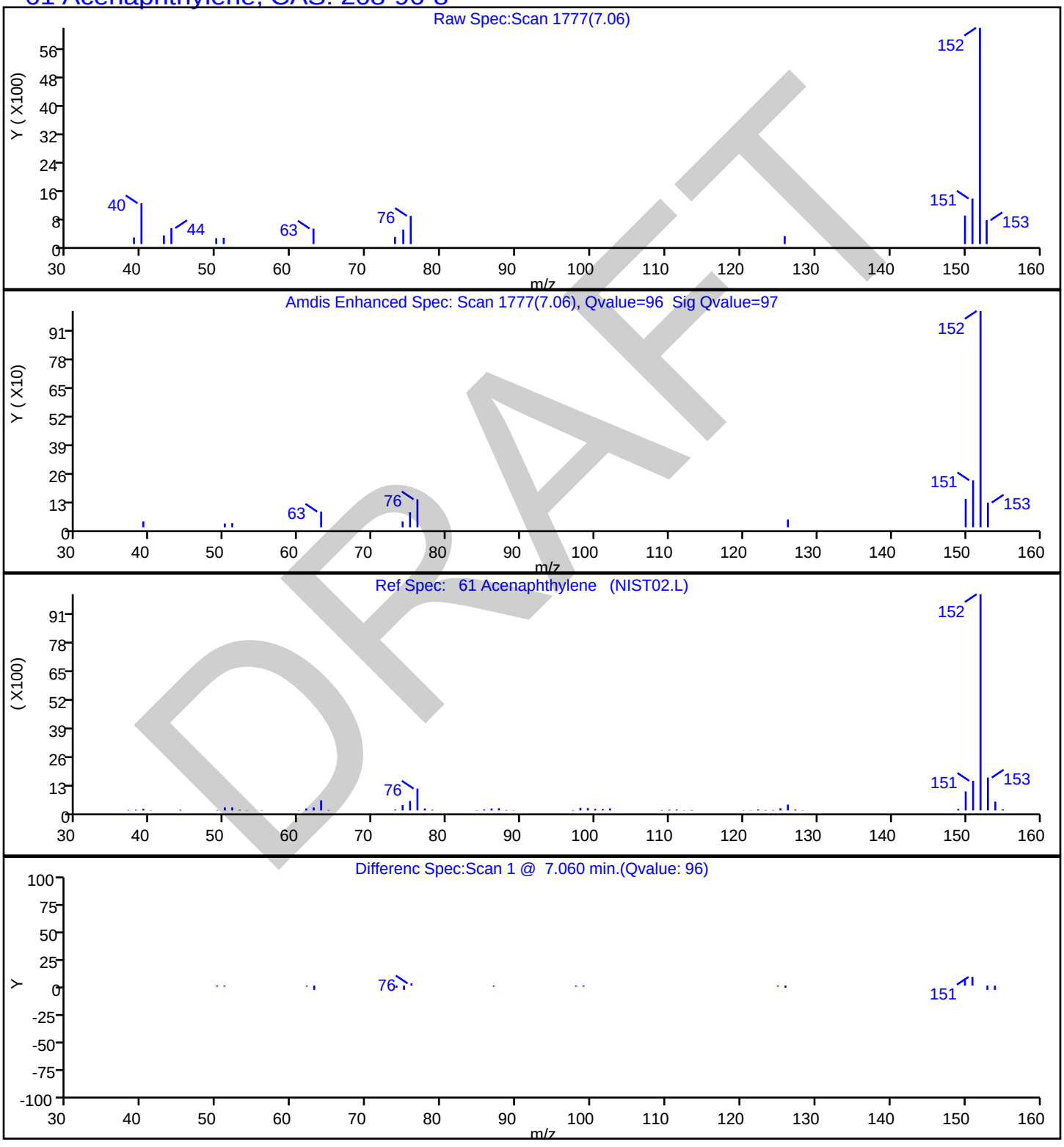
Report Date: 08-Jul-2024 13:40:49 Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37721.d

Injection Date:	07-Jul-2024 21:38:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-4-A	Lab Sample ID:	460-307050-4		
Client ID:	SB-8-(9-11)				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

61 Acenaphthylene, CAS: 208-96-8

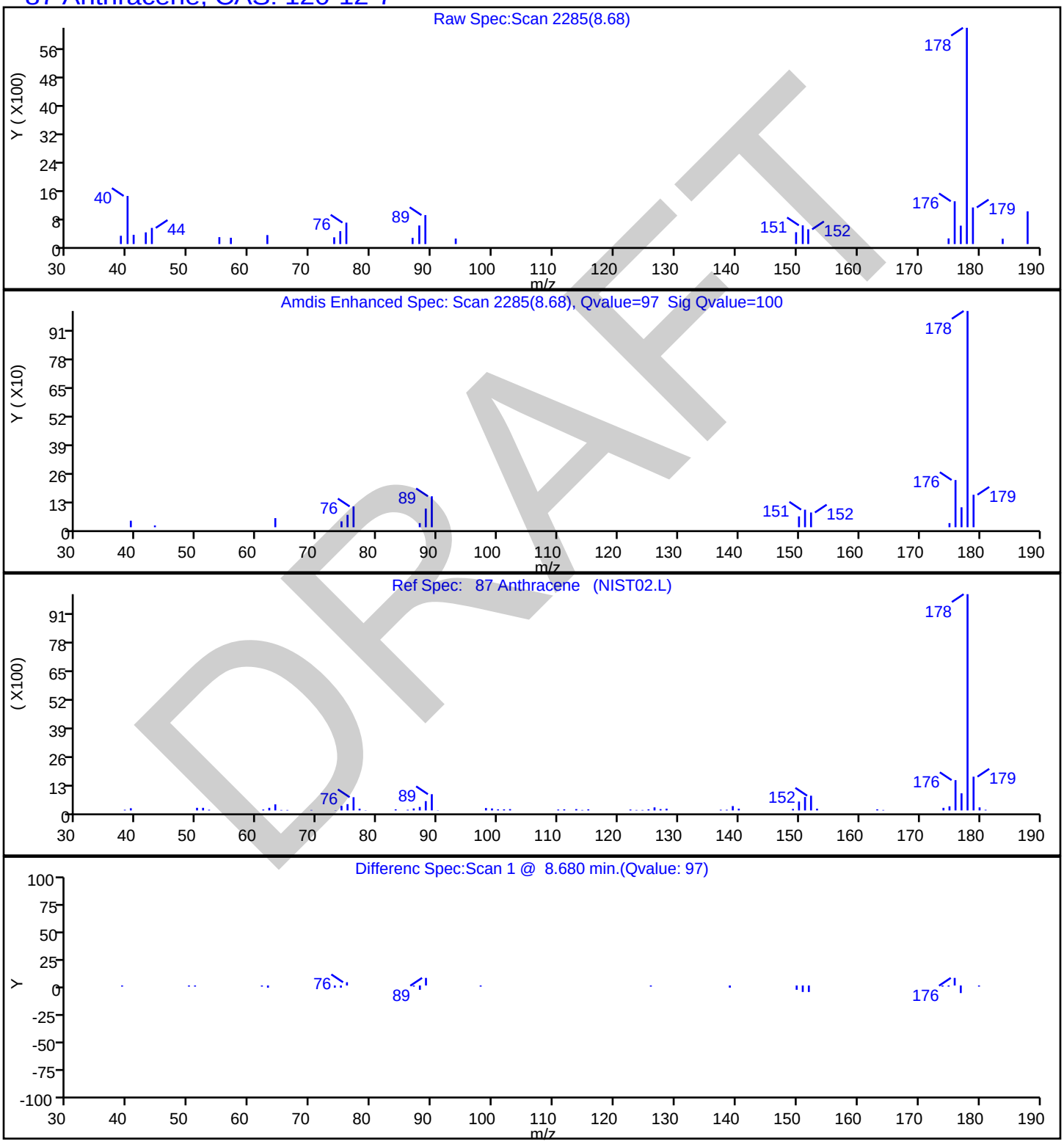


DRAFT

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37721.d
Injection Date: 07-Jul-2024 21:38:30 Instrument ID: CBNAMS12
Lims ID: 460-307050-A-4-A Lab Sample ID: 460-307050-4
Client ID: SB-8-(9-11)
Operator ID: ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_12R_9 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

87 Anthracene, CAS: 120-12-7



DRAFT

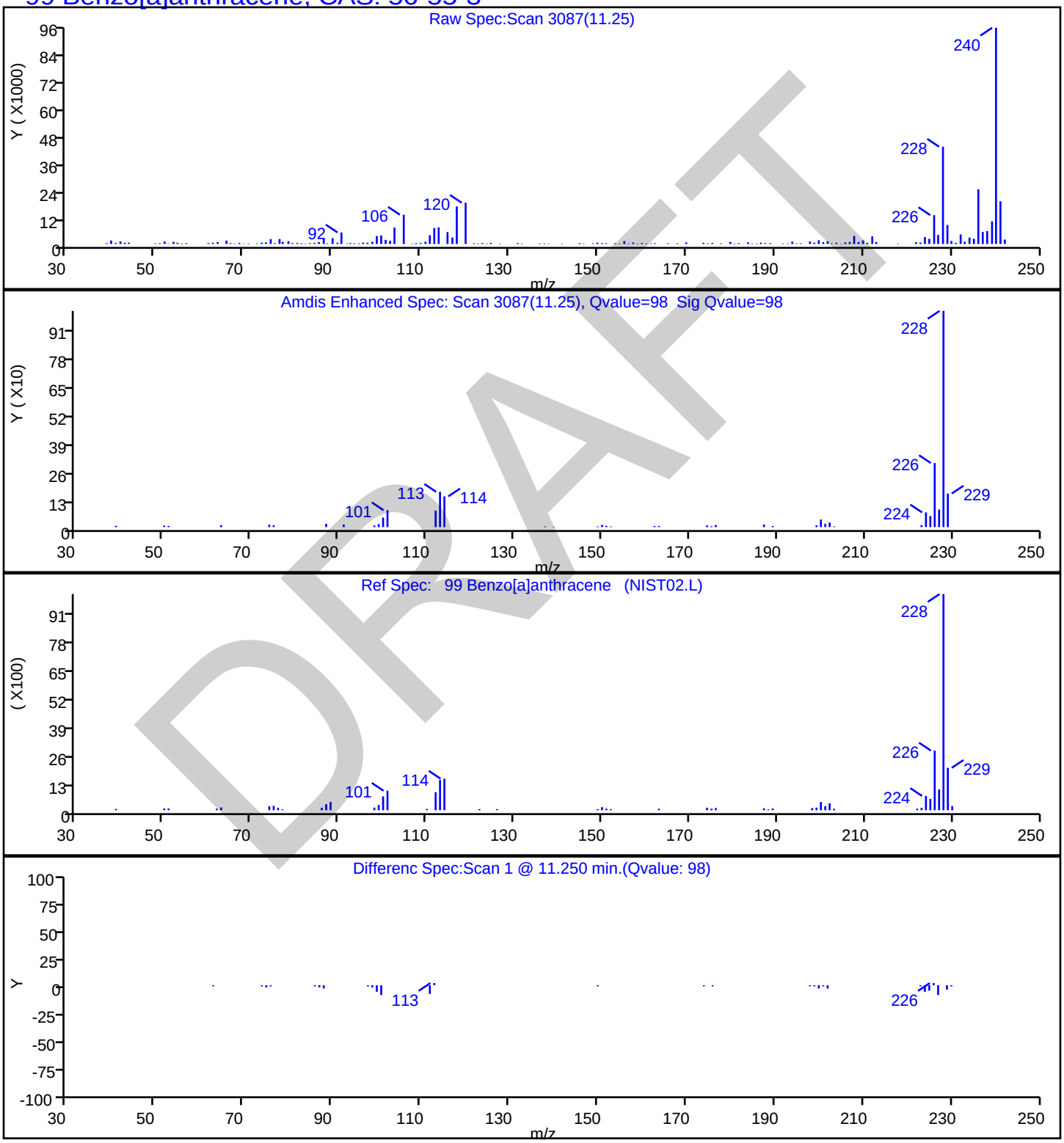
Report Date: 08-Jul-2024 13:40:49 Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37721.d

Injection Date:	07-Jul-2024 21:38:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-4-A	Lab Sample ID:	460-307050-4		
Client ID:	SB-8-(9-11)				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

99 Benzo[a]anthracene, CAS: 56-55-3

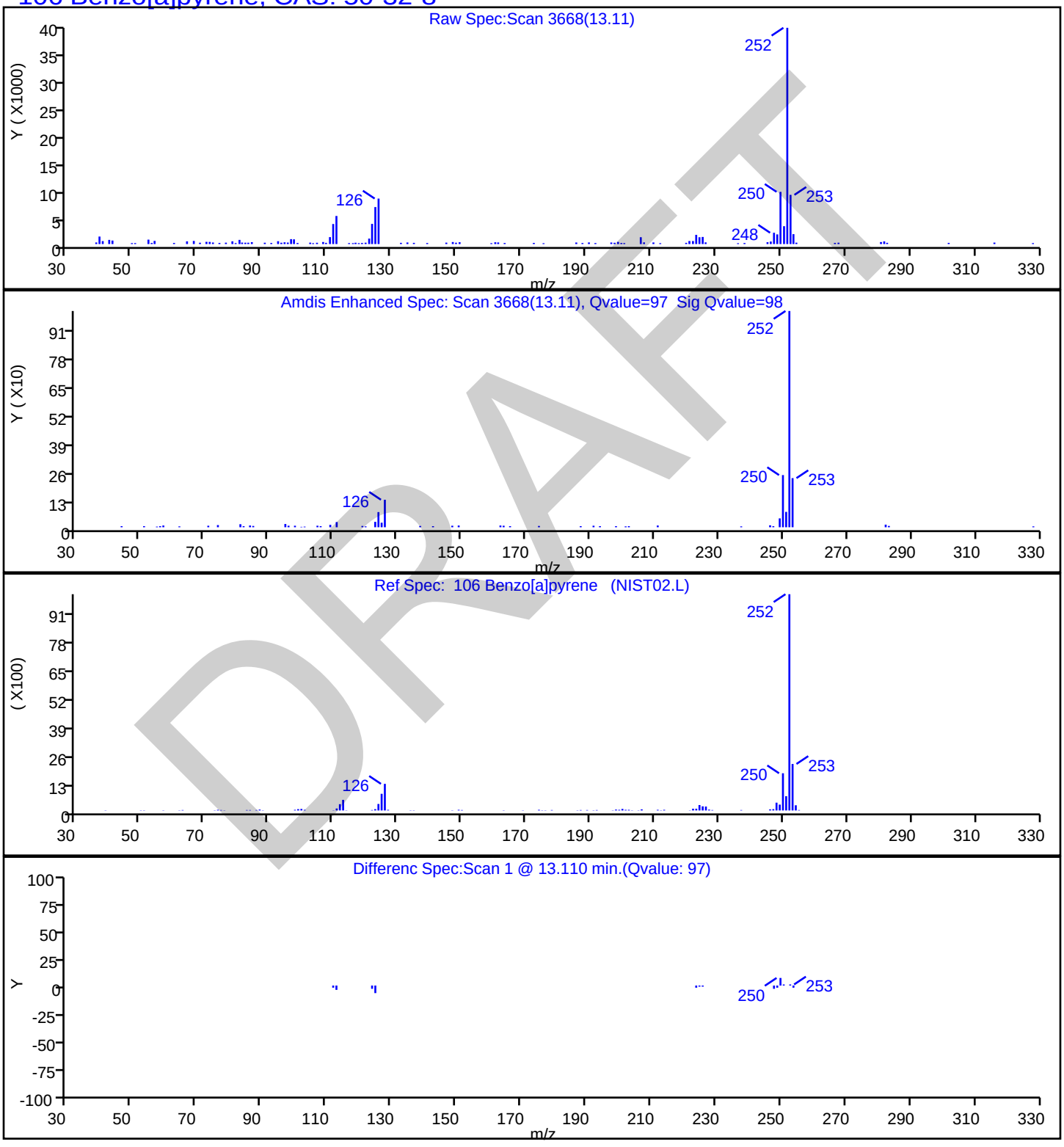


DRAFT

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37721.d
Injection Date: 07-Jul-2024 21:38:30 Instrument ID: CBNAMS12
Lims ID: 460-307050-A-4-A Lab Sample ID: 460-307050-4
Client ID: SB-8-(9-11)
Operator ID: ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_12R_9 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

106 Benzo[a]pyrene, CAS: 50-32-8

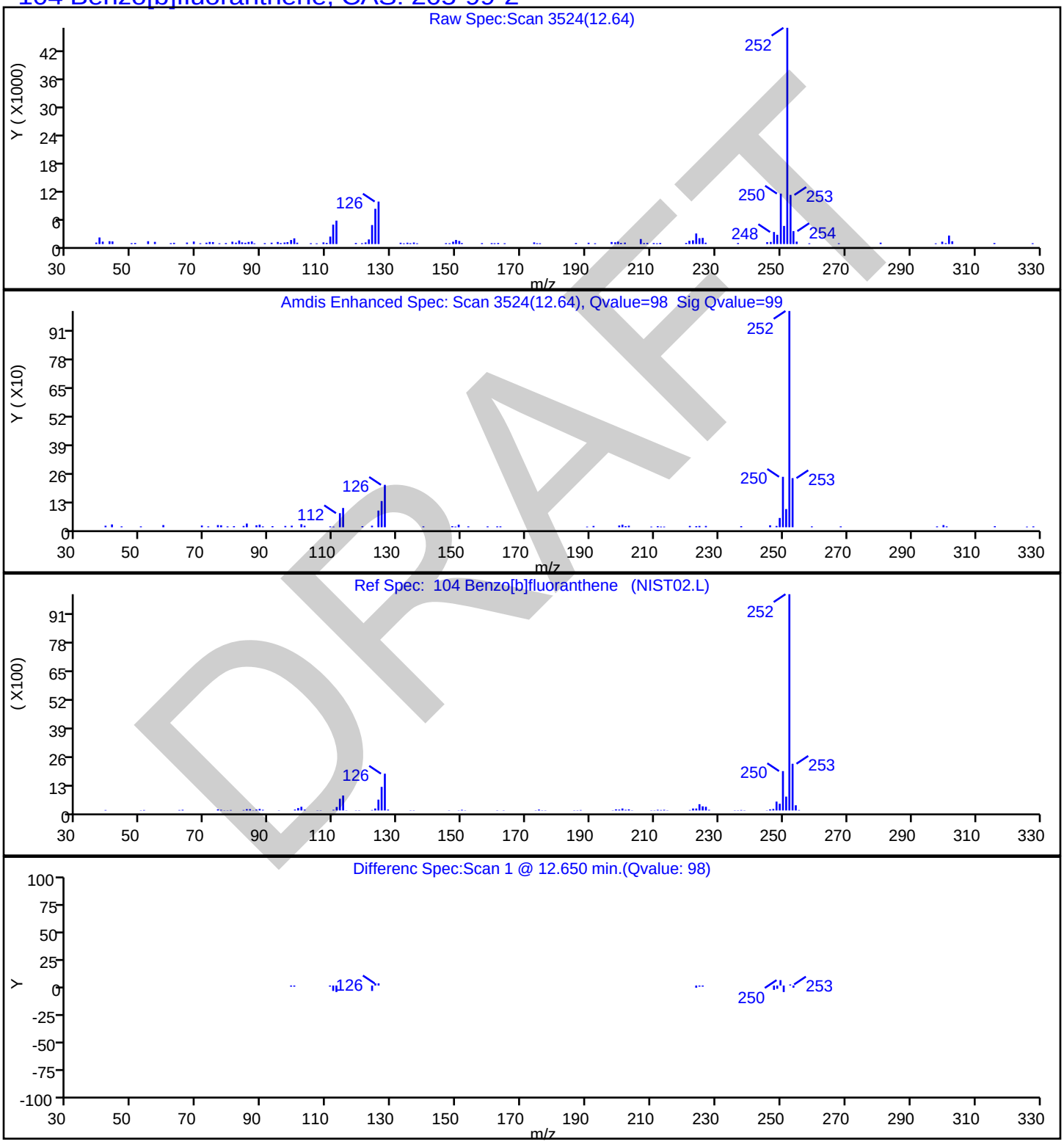


DRAFT

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37721.d				
Injection Date:	07-Jul-2024 21:38:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-4-A	Lab Sample ID:	460-307050-4		
Client ID:	SB-8-(9-11)				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

104 Benzo[b]fluoranthene, CAS: 205-99-2

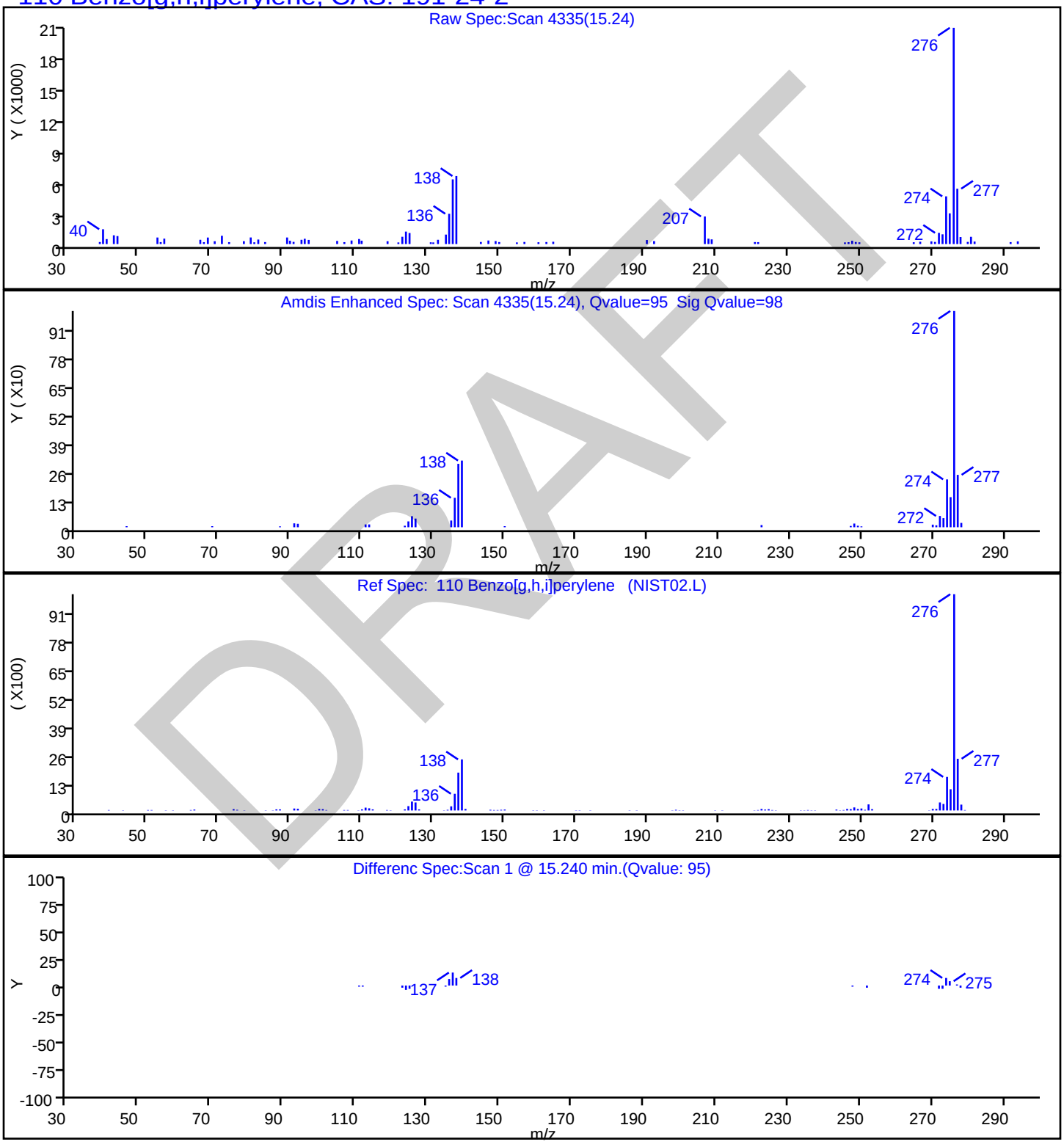


DRAFT

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37721.d				
Injection Date:	07-Jul-2024 21:38:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-4-A	Lab Sample ID:	460-307050-4		
Client ID:	SB-8-(9-11)				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

110 Benzo[g,h,i]perylene, CAS: 191-24-2

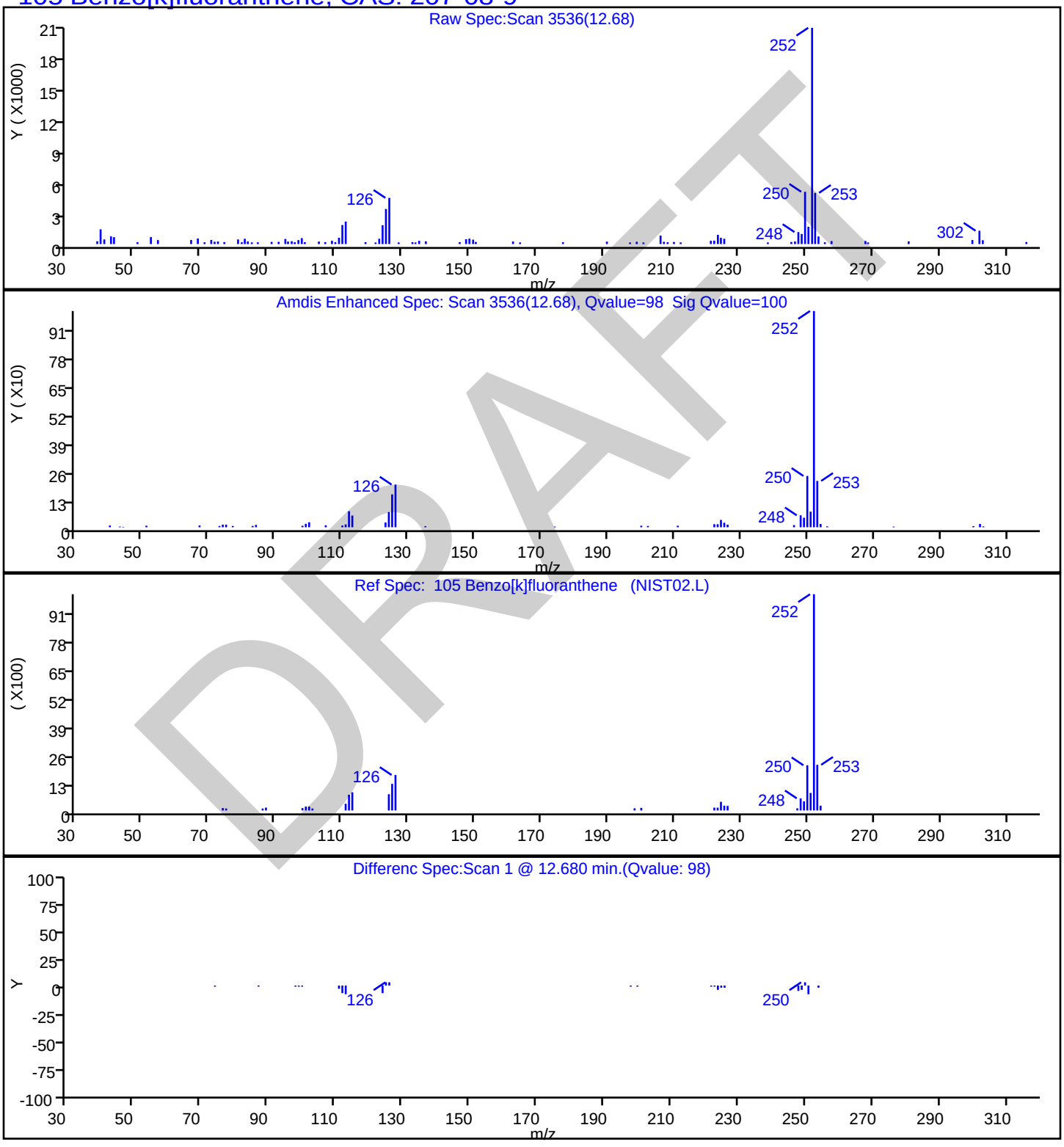


DRAFT

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37721.d				
Injection Date:	07-Jul-2024 21:38:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-4-A	Lab Sample ID:	460-307050-4		
Client ID:	SB-8-(9-11)				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

105 Benzo[k]fluoranthene, CAS: 207-08-9

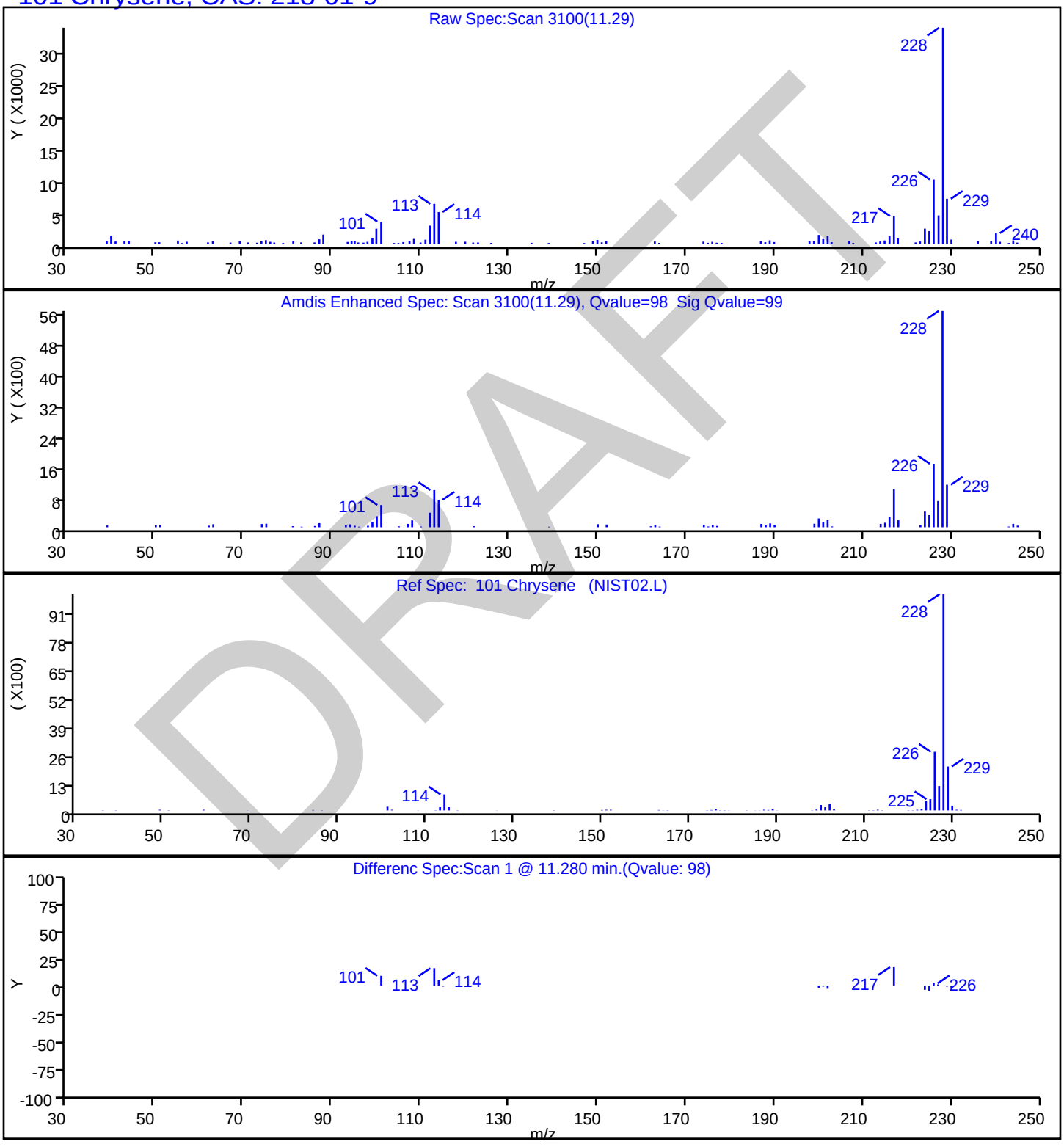


DRAFT

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37721.d
Injection Date: 07-Jul-2024 21:38:30 Instrument ID: CBNAMS12
Lims ID: 460-307050-A-4-A Lab Sample ID: 460-307050-4
Client ID: SB-8-(9-11)
Operator ID: ALS Bottle#: 22 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_12R_9 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

101 Chrysene, CAS: 218-01-9



DRAFT

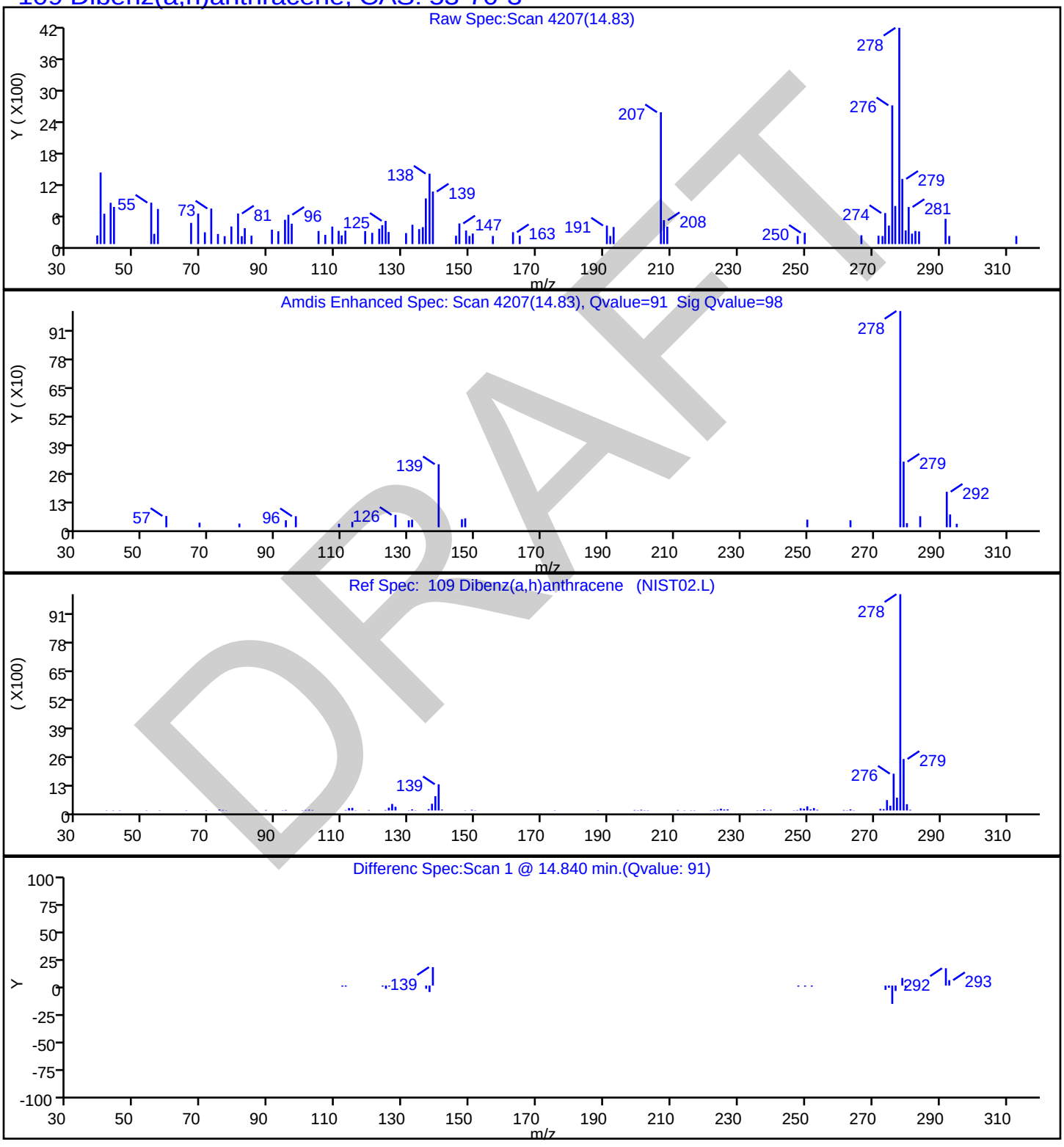
Report Date: 08-Jul-2024 13:40:49 Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37721.d

Injection Date:	07-Jul-2024 21:38:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-4-A	Lab Sample ID:	460-307050-4		
Client ID:	SB-8-(9-11)				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

109 Dibenz(a,h)anthracene, CAS: 53-70-3

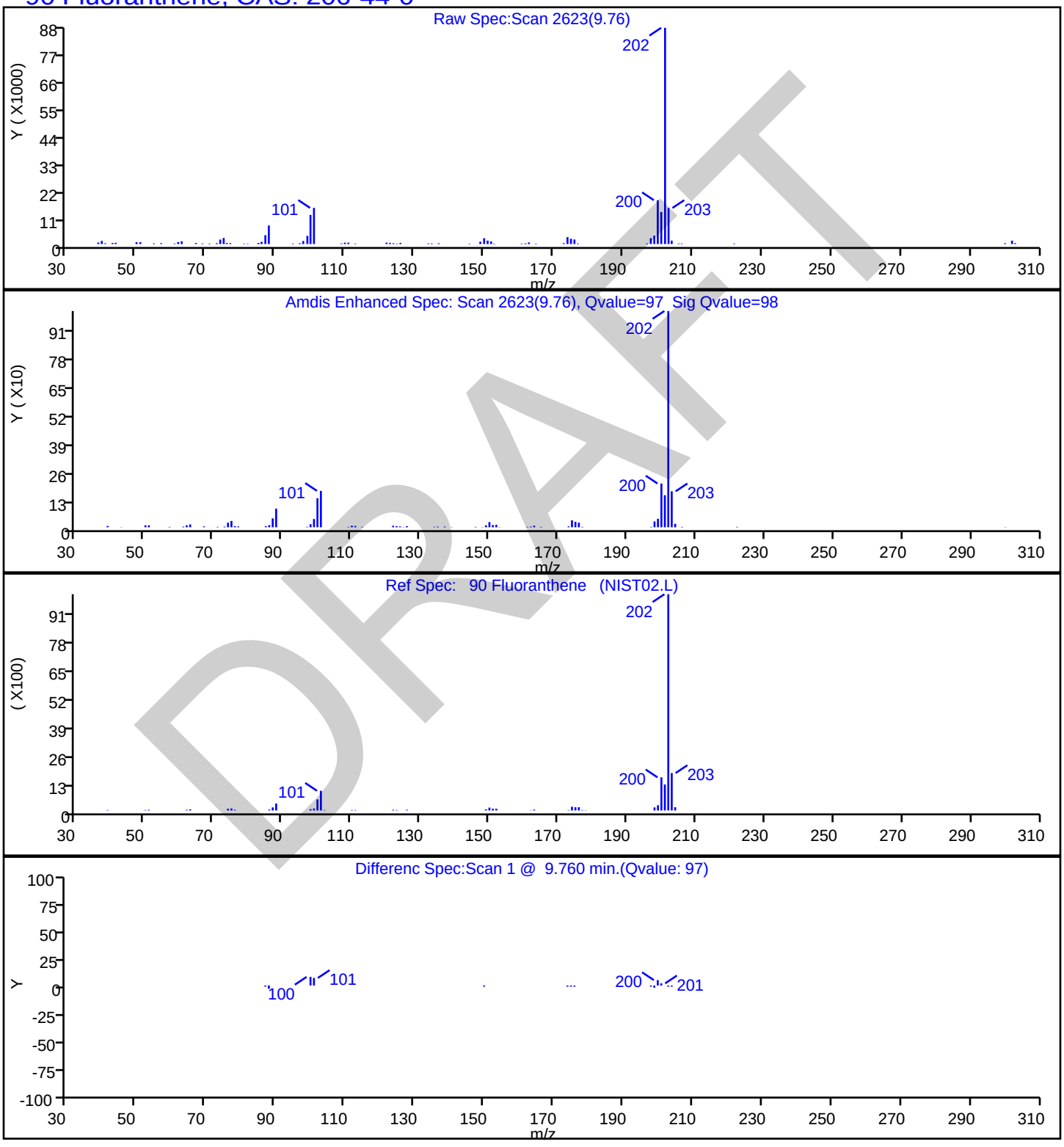


DRAFT

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37721.d				
Injection Date:	07-Jul-2024 21:38:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-4-A	Lab Sample ID:	460-307050-4		
Client ID:	SB-8-(9-11)				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

90 Fluoranthene, CAS: 206-44-0

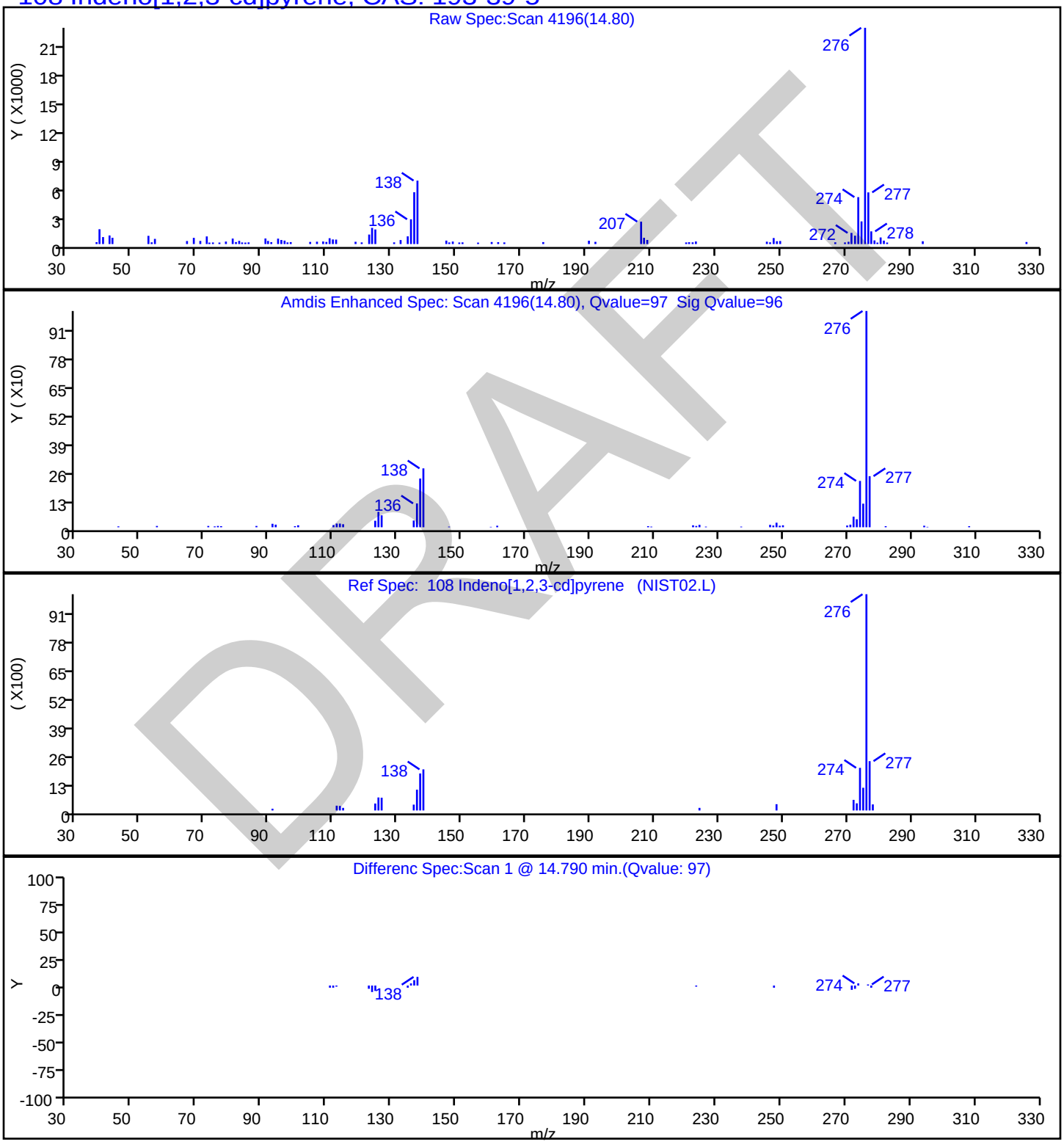


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Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37721.d				
Injection Date:	07-Jul-2024 21:38:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-4-A	Lab Sample ID:	460-307050-4		
Client ID:	SB-8-(9-11)				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

108 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5



DRAFT

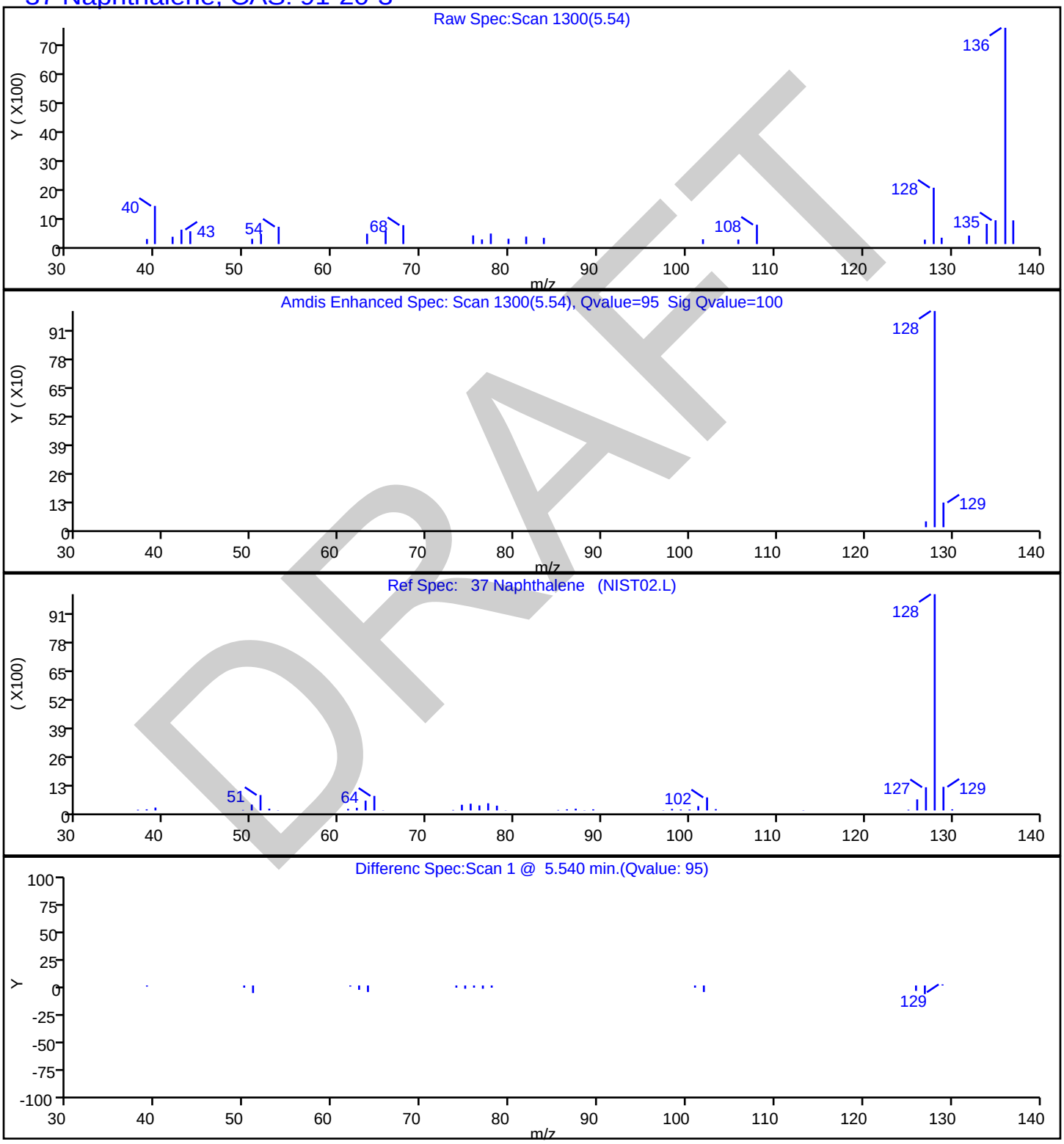
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Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37721.d

Injection Date:	07-Jul-2024 21:38:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-4-A	Lab Sample ID:	460-307050-4		
Client ID:	SB-8-(9-11)				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

37 Naphthalene, CAS: 91-20-3



DRAFT

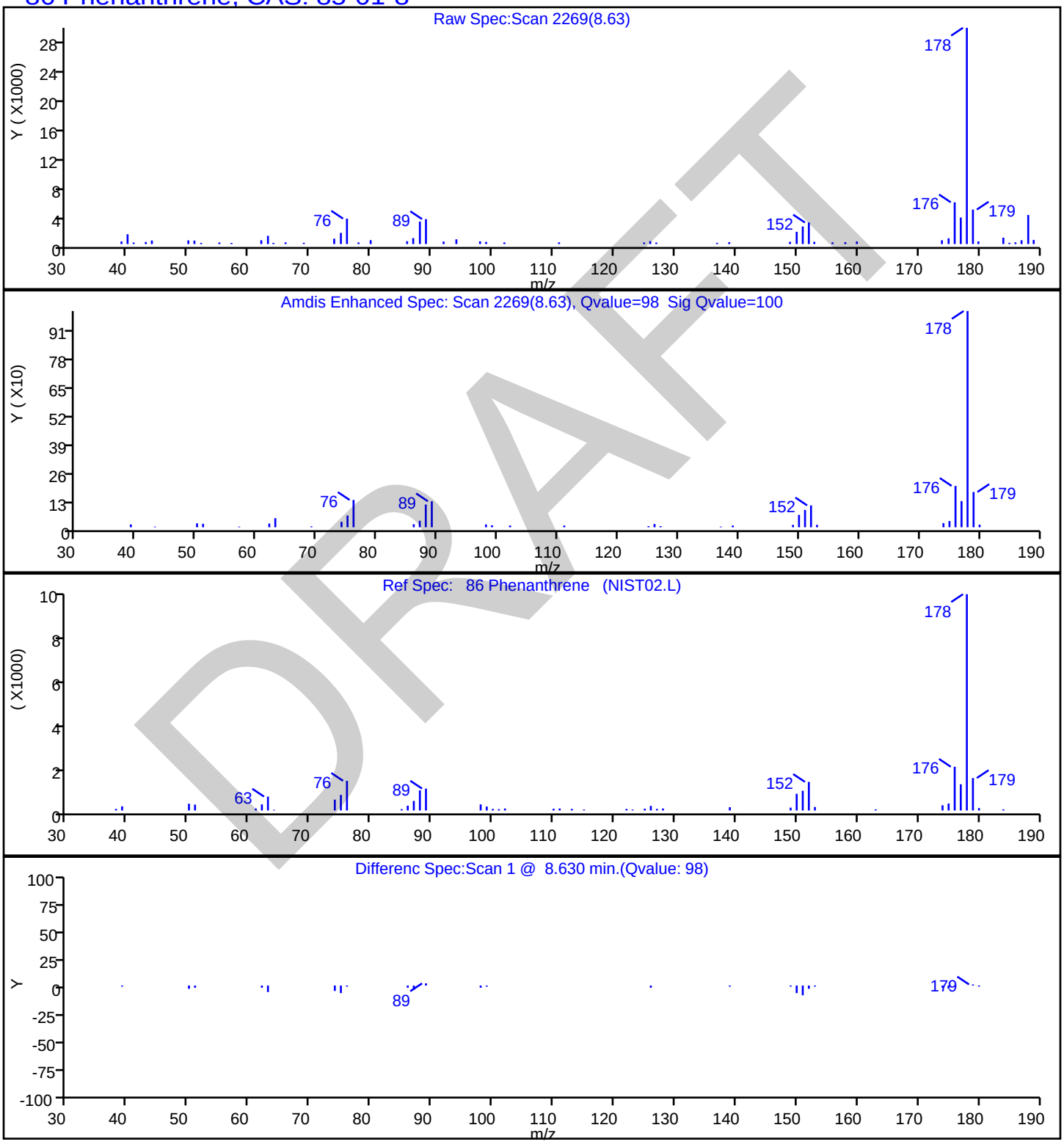
Report Date: 08-Jul-2024 13:40:49 Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37721.d

Injection Date:	07-Jul-2024 21:38:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-4-A	Lab Sample ID:	460-307050-4		
Client ID:	SB-8-(9-11)				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

86 Phenanthrene, CAS: 85-01-8



DRAFT

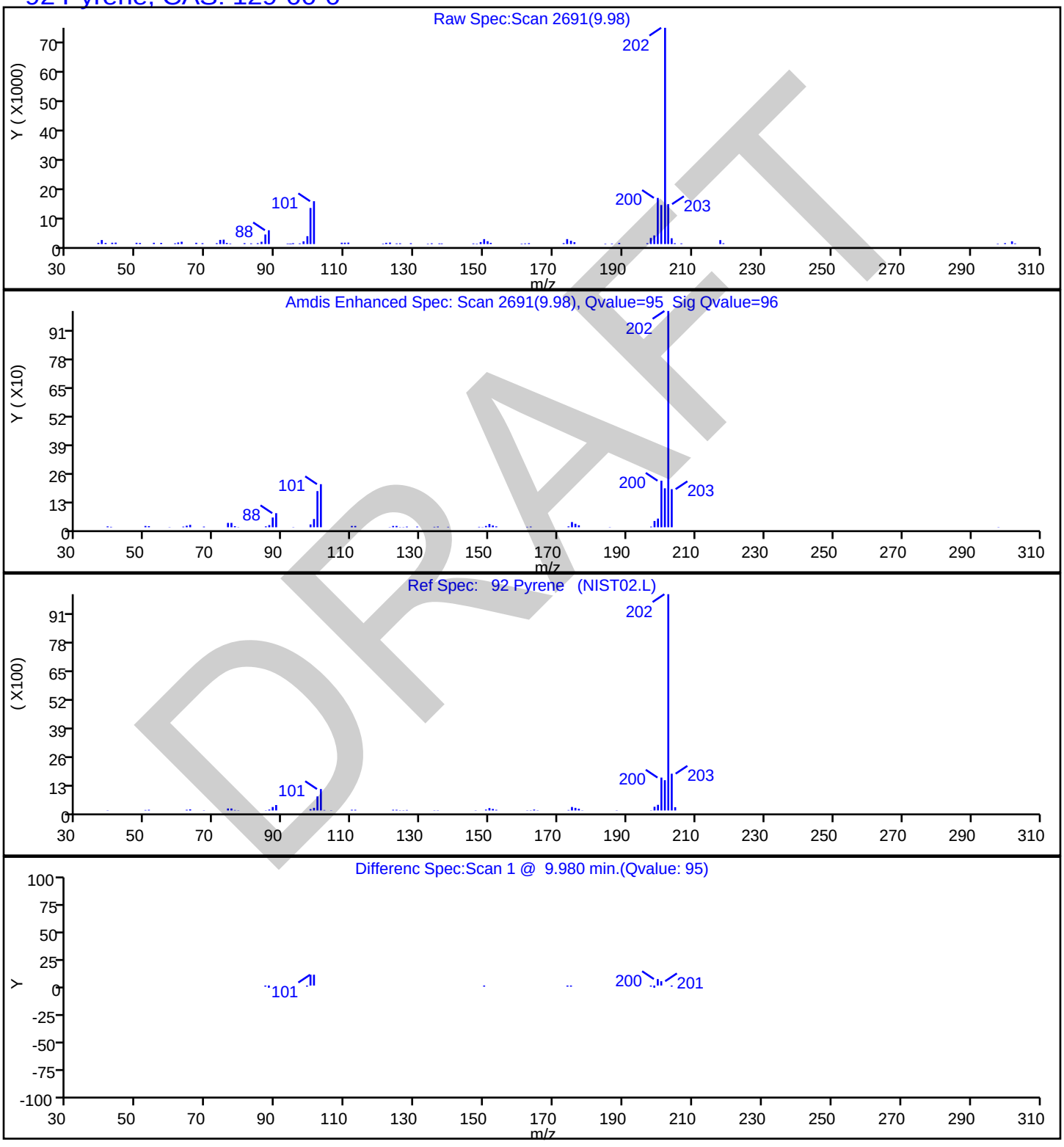
Report Date: 08-Jul-2024 13:40:49 Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37721.d

Injection Date:	07-Jul-2024 21:38:30	Instrument ID:	CBNAMS12
Lims ID:	460-307050-A-4-A	Lab Sample ID:	460-307050-4
Client ID:	SB-8-(9-11)		
Operator ID:		ALS Bottle#:	22 Worklist Smp#: 22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN

92 Pyrene, CAS: 129-00-0



DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

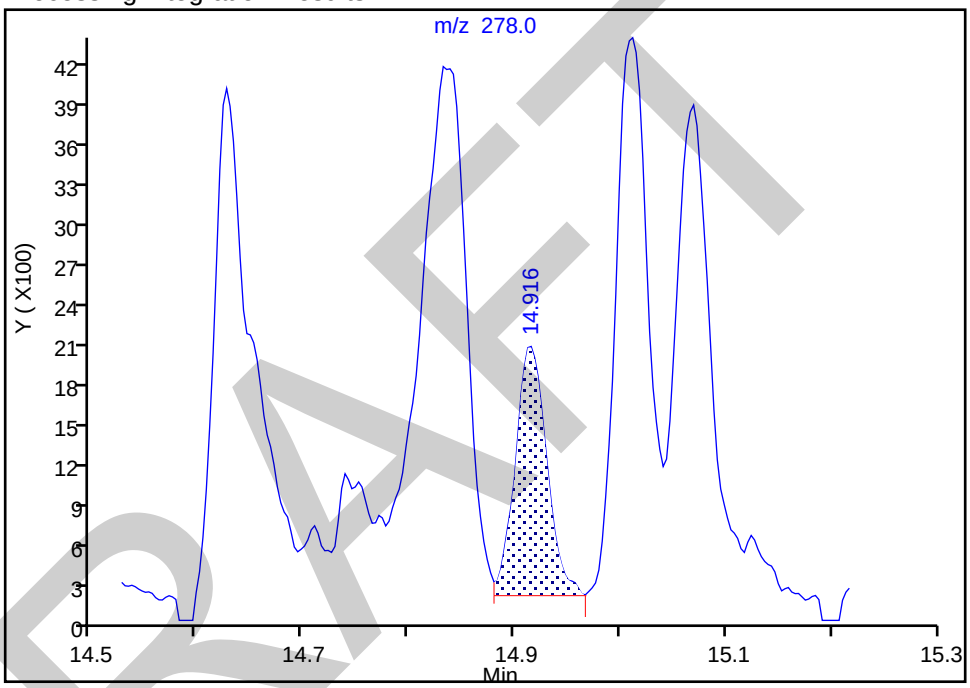
Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37721.d				
Injection Date:	07-Jul-2024 21:38:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-4-A	Lab Sample ID:	460-307050-4		
Client ID:	SB-8-(9-11)				
Operator ID:		ALS Bottle#:	22	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

109 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

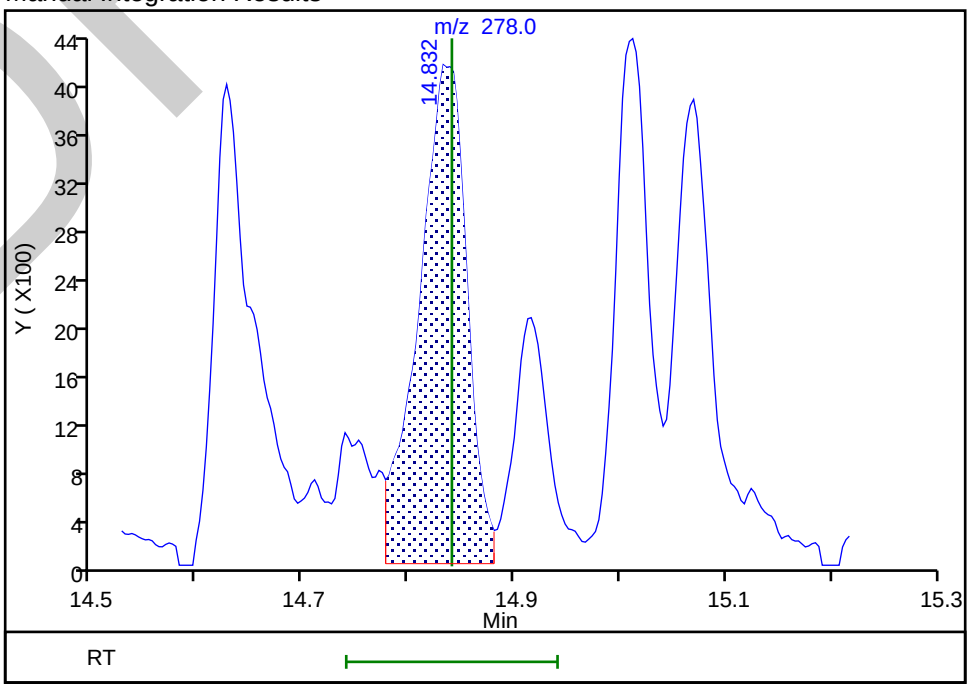
Processing Integration Results

RT: 14.92
Area: 3871
Amount: 0.277572
Amount Units: ug/ml



Manual Integration Results

RT: 14.83
Area: 13283
Amount: 0.952464
Amount Units: ug/ml



Reviewer: C8UP, 08-Jul-2024 13:40:28 07:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Assign Peak

DRAFT

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-307050-1

SDG No.:

Client Sample ID: SB-9-(0-2) | Lab Sample ID: 460-307050-5

Matrix: Solid | Lab File ID: L37722.d

Analysis Method: 8270E | Date Collected: 07/03/2024 10:40

Extract. Method: 3546 | Date Extracted: 07/06/2024 10:42

Sample wt/vol: 15.00(g) | Date Analyzed: 07/07/2024 22:01

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: 21.5 % Solids: 78.5 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 983942 | Units: mg/Kg

Preparation Batch No.: 983903 | Instrument ID: CBNAMS12

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.042	U	0.042	0.037
95-48-7	2-Methylphenol	0.42	U	0.42	0.016
15831-10-4	3 & 4 Methylphenol	0.42	U	0.42	0.026
83-32-9	Acenaphthene	0.018	J	0.42	0.012
208-96-8	Acenaphthylene	0.42	U	0.42	0.012
120-12-7	Anthracene	0.053	J	0.42	0.013
56-55-3	Benzo[a]anthracene	0.17		0.042	0.032
50-32-8	Benzo[a]pyrene	0.16		0.042	0.011
205-99-2	Benzo[b]fluoranthene	0.20		0.042	0.011
191-24-2	Benzo[g,h,i]perylene	0.10	J	0.42	0.012
207-08-9	Benzo[k]fluoranthene	0.085		0.042	0.0083
218-01-9	Chrysene	0.16	J	0.42	0.018
53-70-3	Dibenz(a,h)anthracene	0.027	J	0.042	0.018
132-64-9	Dibenzofuran	0.42	U	0.42	0.014
206-44-0	Fluoranthene	0.32	J	0.42	0.015
86-73-7	Fluorene	0.017	J	0.42	0.012
118-74-1	Hexachlorobenzene	0.042	U	0.042	0.020
193-39-5	Indeno[1,2,3-cd]pyrene	0.094		0.042	0.016
91-20-3	Naphthalene	0.016	J	0.42	0.0073
87-86-5	Pentachlorophenol	0.34	U	0.34	0.086
85-01-8	Phenanthrene	0.18	J	0.42	0.017
108-95-2	Phenol	0.42	U	0.42	0.015
129-00-0	Pyrene	0.26	J	0.42	0.010

DRAFT

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-307050-1

SDG No.:

Client Sample ID: SB-9-(0-2) | Lab Sample ID: 460-307050-5

Matrix: Solid | Lab File ID: L37722.d

Analysis Method: 8270E | Date Collected: 07/03/2024 10:40

Extract. Method: 3546 | Date Extracted: 07/06/2024 10:42

Sample wt/vol: 15.00(g) | Date Analyzed: 07/07/2024 22:01

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: 21.5 % Solids: 78.5 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 983942 | Units: mg/Kg

Preparation Batch No.: 983903 | Instrument ID: CBNAMS12

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	65		24-137
321-60-8	2-Fluorobiphenyl	60		38-128
367-12-4	2-Fluorophenol (Surr)	52		31-133
4165-60-0	Nitrobenzene-d5 (Surr)	52		31-120
4165-62-2	Phenol-d5 (Surr)	56		35-132
1718-51-0	Terphenyl-d14 (Surr)	70		44-147

DRAFT

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37722.d
Lims ID: 460-307050-A-5-A
Client ID: SB-9-(0-2)
Sample Type: Client
Inject. Date: 07-Jul-2024 22:01:30 ALS Bottle#: 23 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0178055-023
Operator ID: Instrument ID: CBNAMS12

Method: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\8270_12R_9.m
Limit Group: SV 8270E ICAL
Last Update: 08-Jul-2024 13:41:54 Calib Date: 24-Jun-2024 11:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37512.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: C8UP Date: 08-Jul-2024 13:41:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	3.021	3.015	0.006	94	154821	26.1	
$ 6 Phenol-d5	99	3.933	3.934	-0.001	0	225710	28.2	
* 13 1,4-Dichlorobenzene-d4	152	4.294	4.295	-0.001	97	171695	40.0	
$ 26 Nitrobenzene-d5	82	4.837	4.842	-0.005	88	173843	26.1	
* 36 Naphthalene-d8	136	5.517	5.519	-0.002	99	642319	40.0	
37 Naphthalene	128	5.539	5.536	0.001	98	3102	0.1905	
$ 50 2-Fluorobiphenyl	172	6.551	6.551	0.000	97	340305	30.2	
* 63 Acenaphthene-d10	164	7.189	7.191	-0.002	96	314387	40.0	
65 Acenaphthene	154	7.224	7.223	0.001	95	1866	0.2157	
69 Dibenzofuran	168	7.394	7.391	0.005	94	1222	0.0946	
74 Fluorene	166	7.719	7.717	0.004	95	2025	0.1955	
$ 79 2,4,6-Tribromophenol	330	7.946	7.949	-0.003	93	74977	32.5	
* 85 Phenanthrene-d10	188	8.607	8.610	-0.003	99	545225	40.0	
86 Phenanthrene	178	8.629	8.631	-0.004	99	29300	2.10	
87 Anthracene	178	8.681	8.679	0.000	98	8866	0.6234	
90 Fluoranthene	202	9.761	9.761	-0.003	96	55286	3.71	
92 Pyrene	202	9.979	9.976	-0.002	95	47552	3.04	
$ 94 Terphenyl-d14	244	10.133	10.135	-0.002	97	451744	35.0	
99 Benzo[a]anthracene	228	11.248	11.248	-0.002	99	29529	2.02	
* 100 Chrysene-d12	240	11.257	11.262	-0.005	98	434749	40.0	
101 Chrysene	228	11.290	11.290	-0.001	98	25358	1.89	
104 Benzo[b]fluoranthene	252	12.648	12.659	0.002	97	38099	2.36	
105 Benzo[k]fluoranthene	252	12.684	12.684	-0.003	97	16473	1.00	a
106 Benzo[a]pyrene	252	13.110	13.109	0.001	96	29555	1.94	
* 107 Perylene-d12	264	13.193	13.192	0.001	97	587730	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.799	14.815	0.000	97	18614	1.11	
109 Dibenz(a,h)anthracene	278	14.838	14.838	-0.003	90	5097	0.3141	a
110 Benzo[g,h,i]perylene	276	15.248	15.245	-0.002	95	18370	1.19	

DRAFT

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

SM_ISTD_00197 Amount Added: 20.00 Units: uL Run Reagent

DRAFT

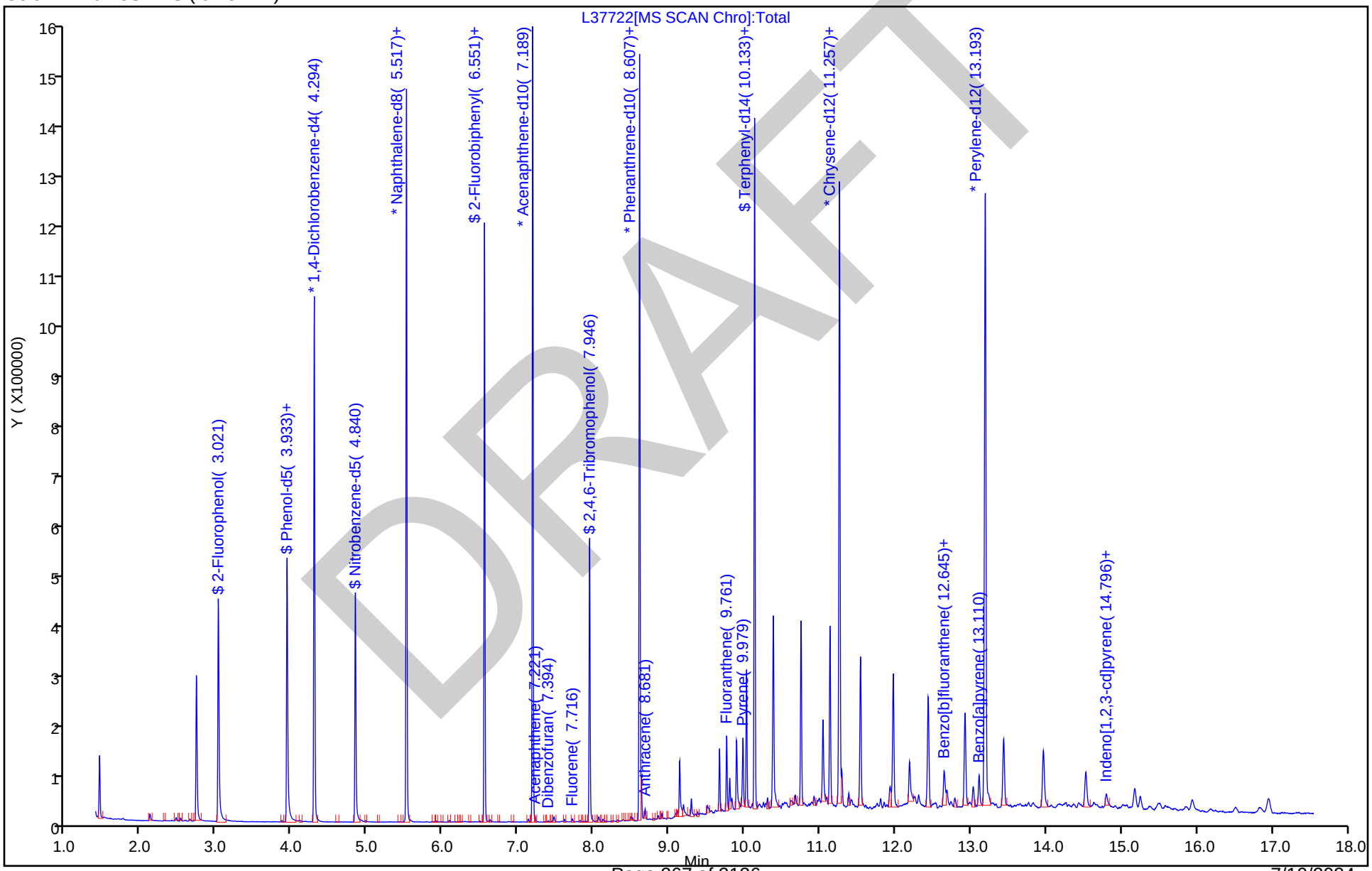
Report Date: 08-Jul-2024 13:41:55 Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37722.d

Injection Date:	07-Jul-2024 22:01:30	Instrument ID:	CBNAMS12	Operator ID:	
Lims ID:	460-307050-A-5-A	Lab Sample ID:	460-307050-5	Worklist Smp#:	23
Client ID:	SB-9-(0-2)				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	23
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



DRAFT

7/10/2024
4:48:04 PM

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37722.d
Lims ID: 460-307050-A-5-A
Client ID: SB-9-(0-2)
Sample Type: Client
Inject. Date: 07-Jul-2024 22:01:30 ALS Bottle#: 23 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0178055-023
Operator ID: Instrument ID: CBNAMS12

Method: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\8270_12R_9.m
Limit Group: SV 8270E ICAL
Last Update: 08-Jul-2024 13:41:54 Calib Date: 24-Jun-2024 11:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37512.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: C8UP Date: 08-Jul-2024 13:41:54

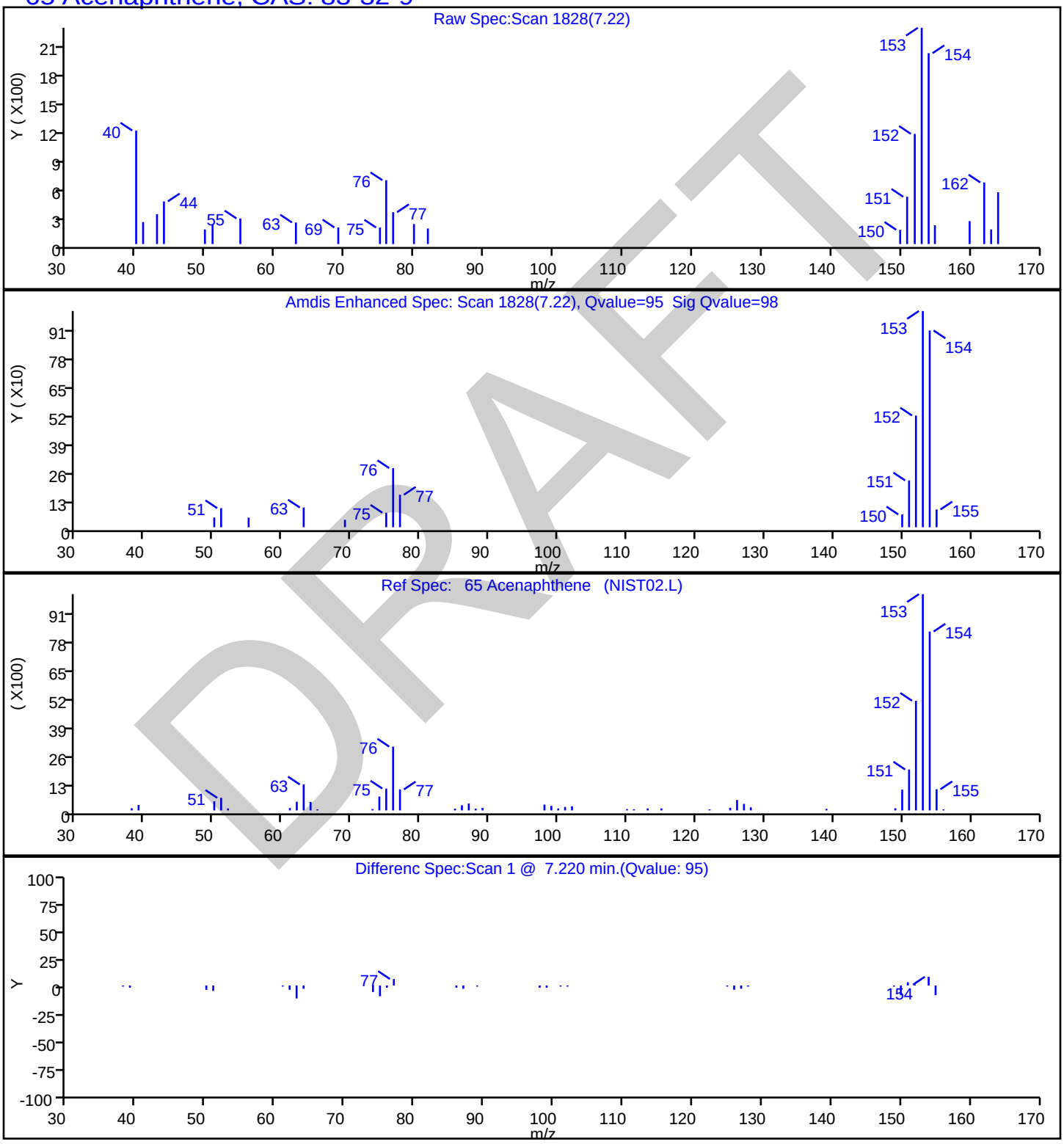
Compound	Amount Added	Amount Recovered	% Rec.
$ 4 2-Fluorophenol	50.0	26.1	52.12
$ 6 Phenol-d5	50.0	28.2	56.47
$ 26 Nitrobenzene-d5	50.0	26.1	52.18
$ 50 2-Fluorobiphenyl	50.0	30.2	60.39
$ 79 2,4,6-Tribromophenol	50.0	32.5	64.94
$ 94 Terphenyl-d14	50.0	35.0	69.94

DRAFT

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37722.d
Injection Date: 07-Jul-2024 22:01:30 Instrument ID: CBNAMS12
Lims ID: 460-307050-A-5-A Lab Sample ID: 460-307050-5
Client ID: SB-9-(0-2)
Operator ID: ALS Bottle#: 23 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_12R_9 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

65 Acenaphthene, CAS: 83-32-9



DRAFT

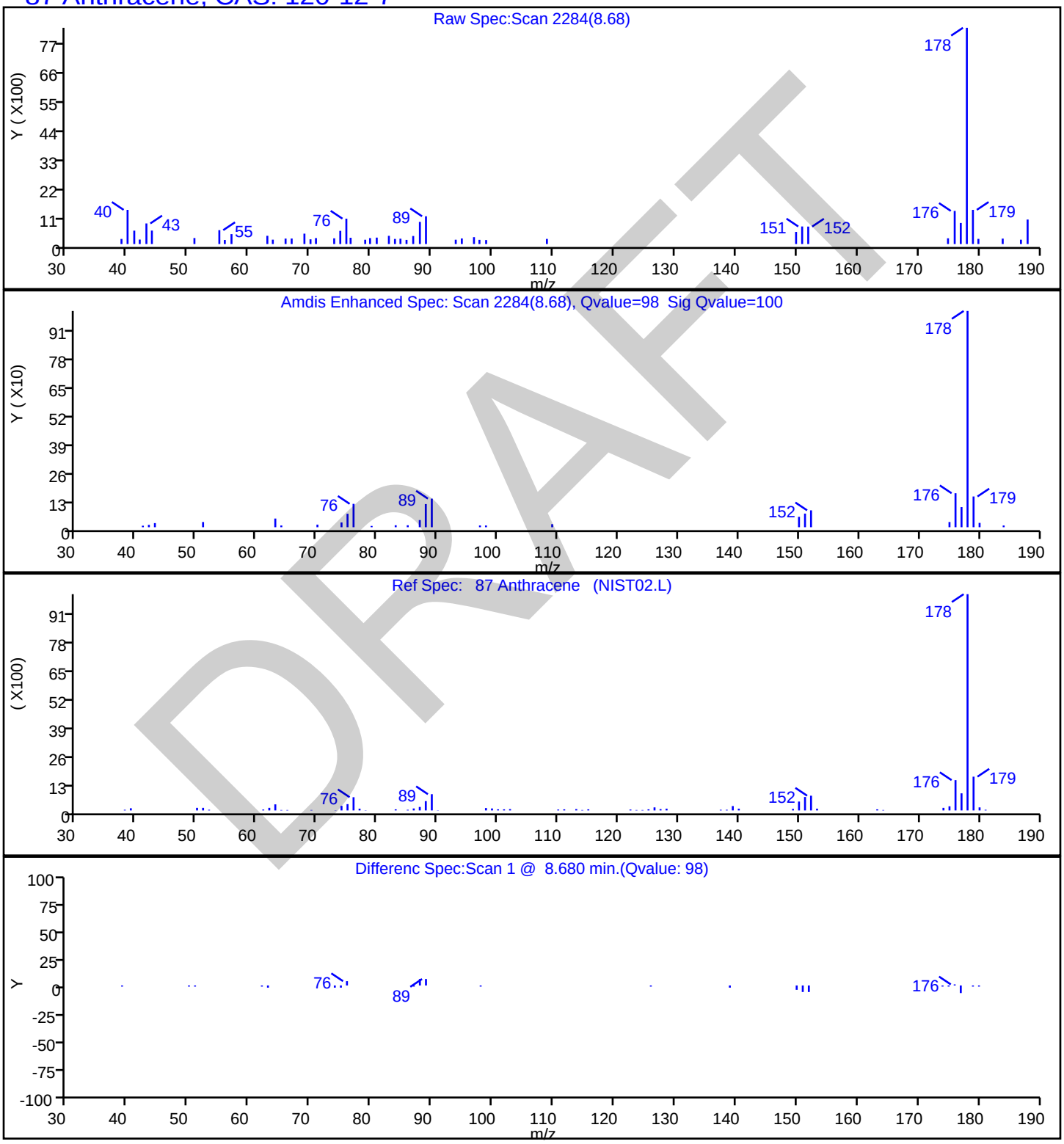
Report Date: 08-Jul-2024 13:41:55 Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37722.d

Injection Date:	07-Jul-2024 22:01:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-5-A	Lab Sample ID:	460-307050-5		
Client ID:	SB-9-(0-2)				
Operator ID:		ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

87 Anthracene, CAS: 120-12-7



DRAFT

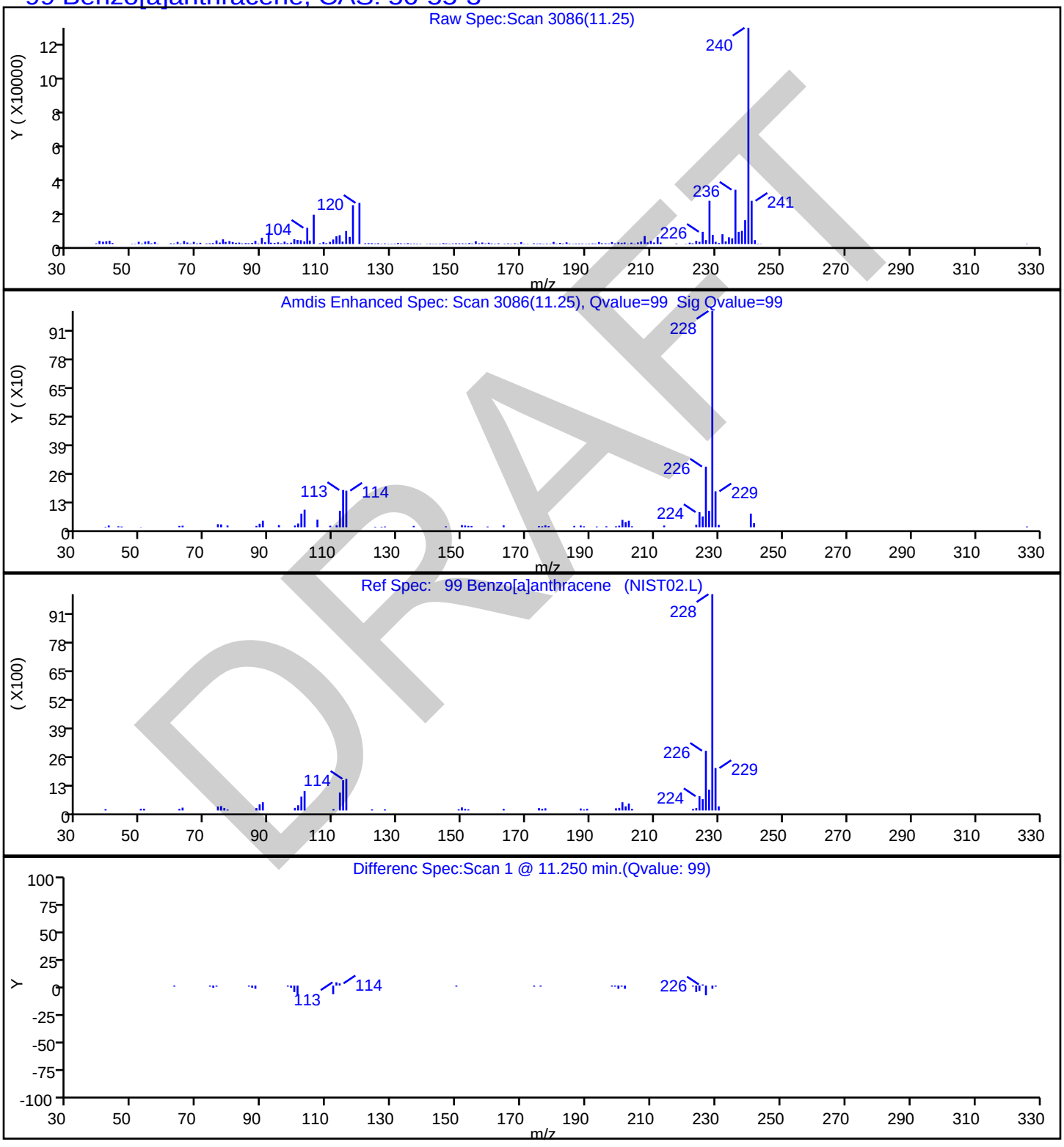
Report Date: 08-Jul-2024 13:41:55 Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37722.d

Injection Date:	07-Jul-2024 22:01:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-5-A	Lab Sample ID:	460-307050-5		
Client ID:	SB-9-(0-2)				
Operator ID:		ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

99 Benzo[a]anthracene, CAS: 56-55-3

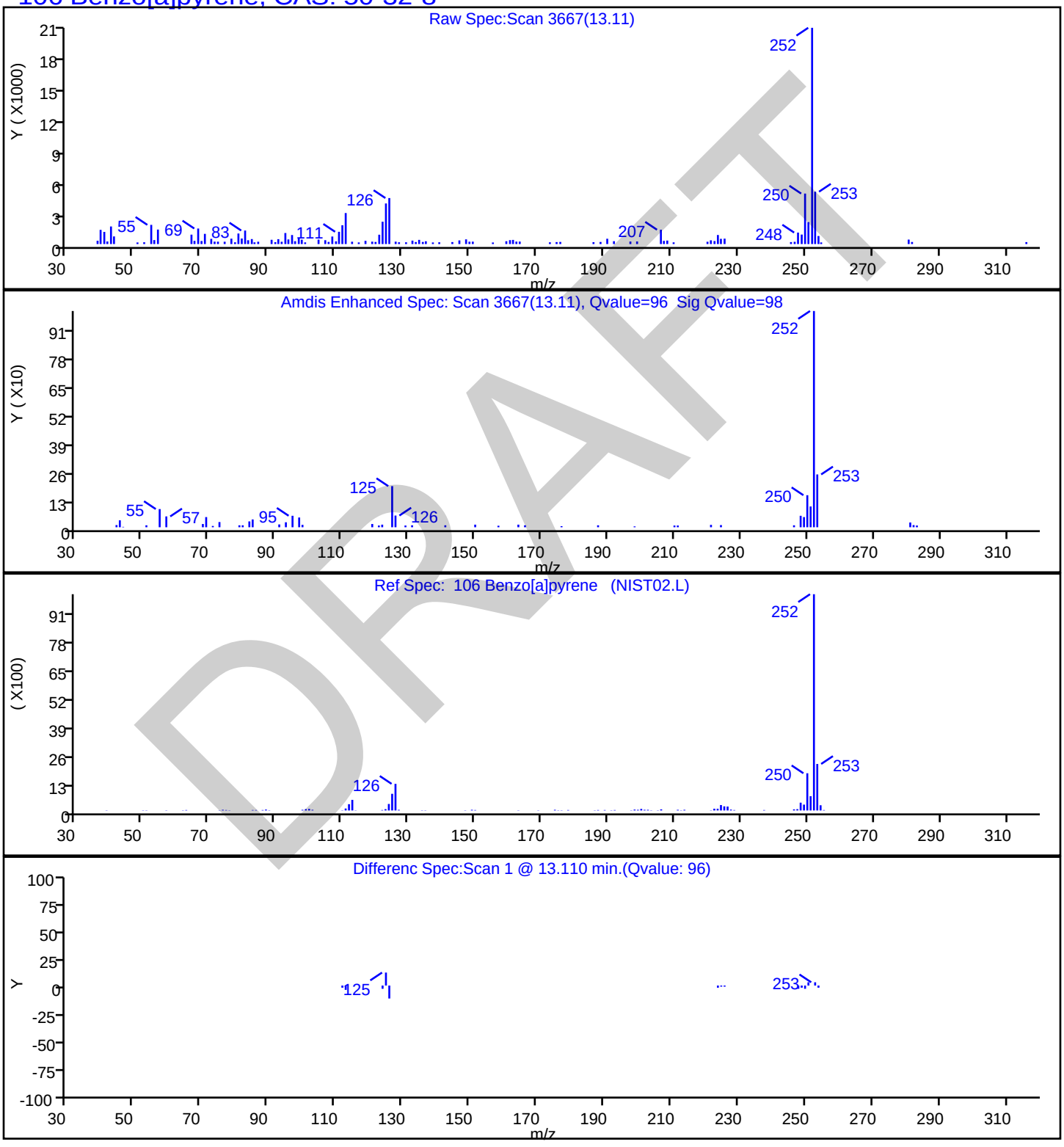


DRAFT

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37722.d				
Injection Date:	07-Jul-2024 22:01:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-5-A	Lab Sample ID:	460-307050-5		
Client ID:	SB-9-(0-2)				
Operator ID:		ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

106 Benzo[a]pyrene, CAS: 50-32-8

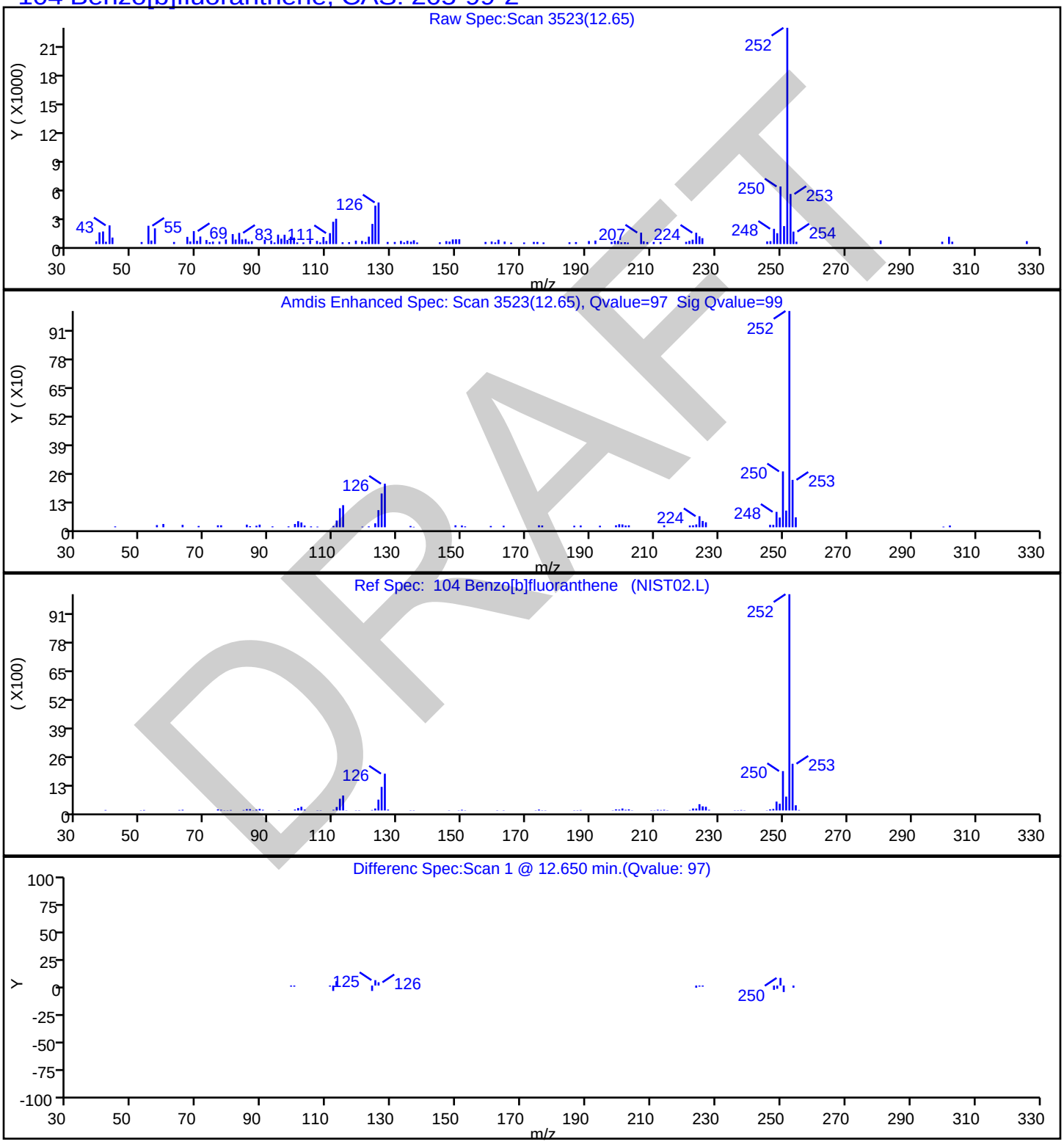


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Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37722.d				
Injection Date:	07-Jul-2024 22:01:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-5-A	Lab Sample ID:	460-307050-5		
Client ID:	SB-9-(0-2)				
Operator ID:		ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

104 Benzo[b]fluoranthene, CAS: 205-99-2

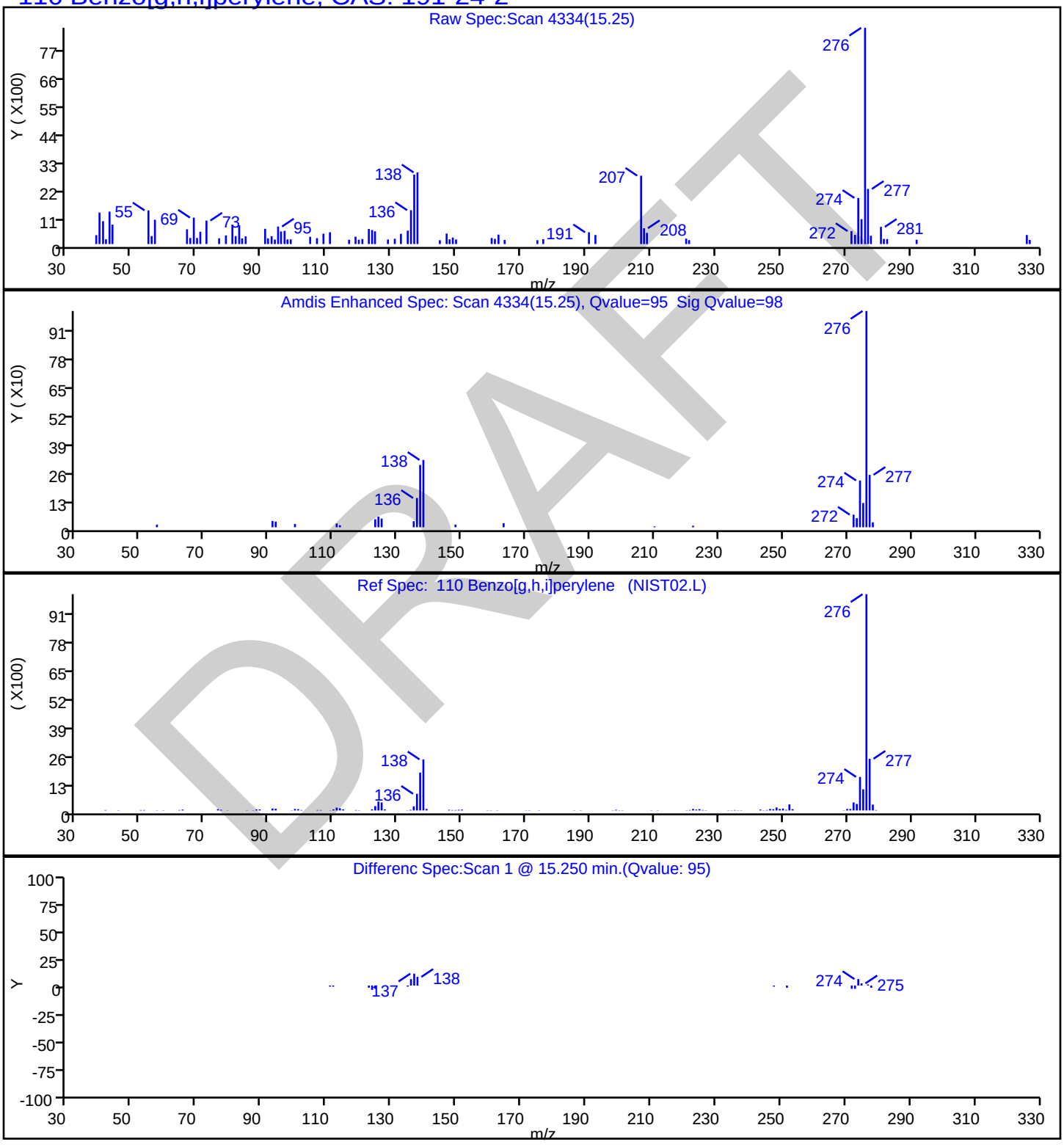


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Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37722.d				
Injection Date:	07-Jul-2024 22:01:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-5-A	Lab Sample ID:	460-307050-5		
Client ID:	SB-9-(0-2)				
Operator ID:		ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

110 Benzo[g,h,i]perylene, CAS: 191-24-2

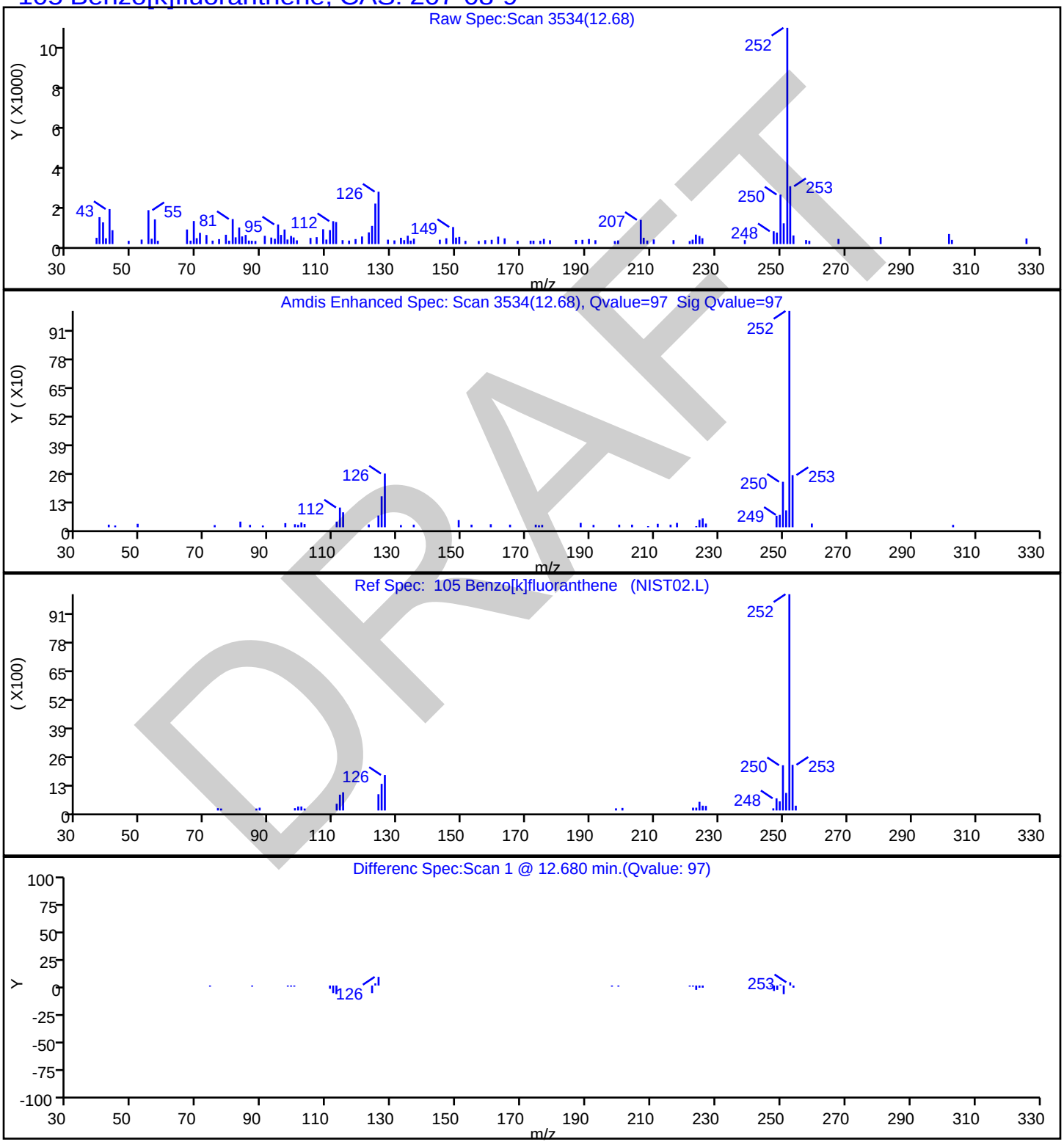


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Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37722.d				
Injection Date:	07-Jul-2024 22:01:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-5-A	Lab Sample ID:	460-307050-5		
Client ID:	SB-9-(0-2)				
Operator ID:		ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

105 Benzo[k]fluoranthene, CAS: 207-08-9

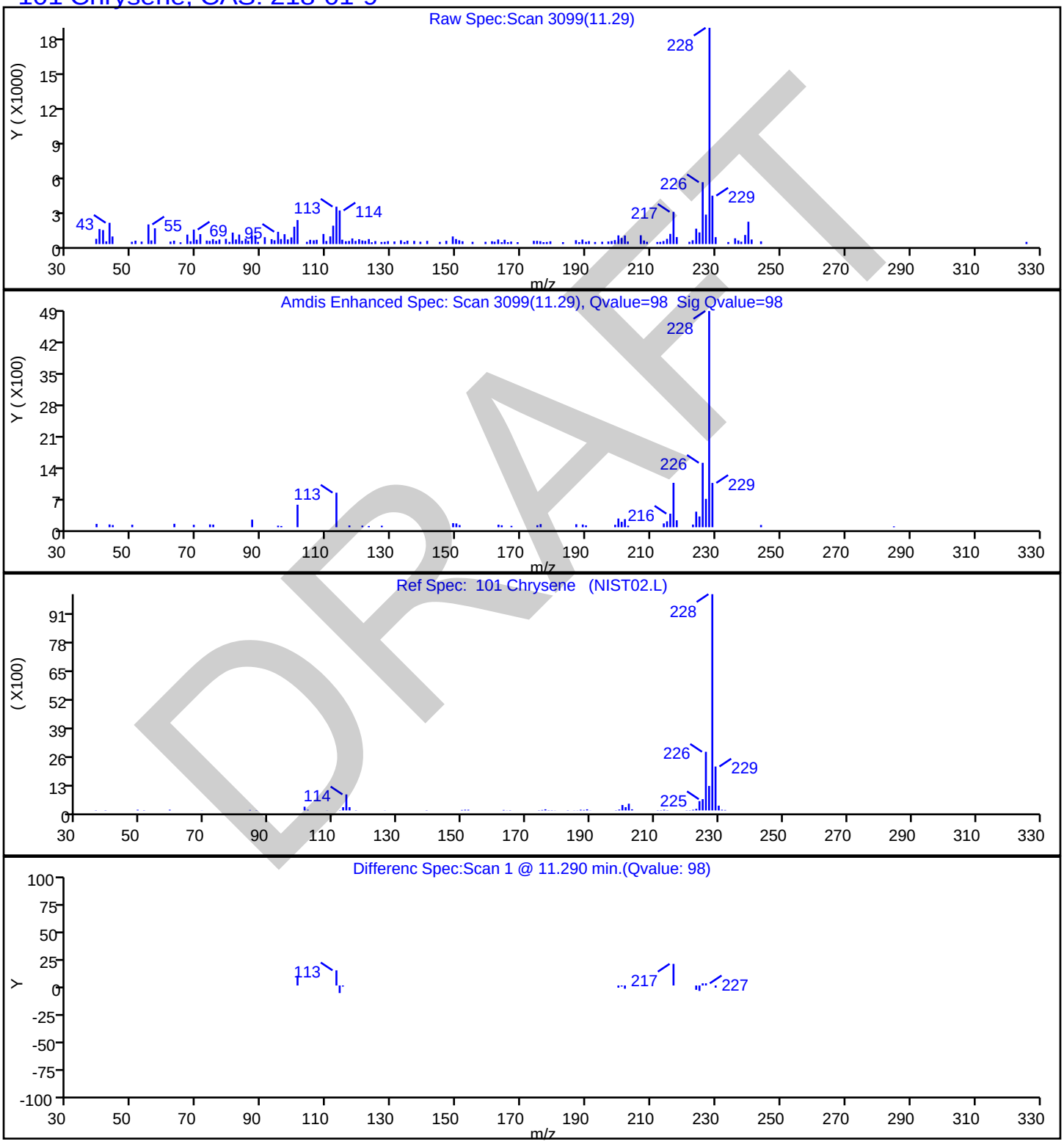


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Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37722.d				
Injection Date:	07-Jul-2024 22:01:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-5-A	Lab Sample ID:	460-307050-5		
Client ID:	SB-9-(0-2)				
Operator ID:		ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

101 Chrysene, CAS: 218-01-9



DRAFT

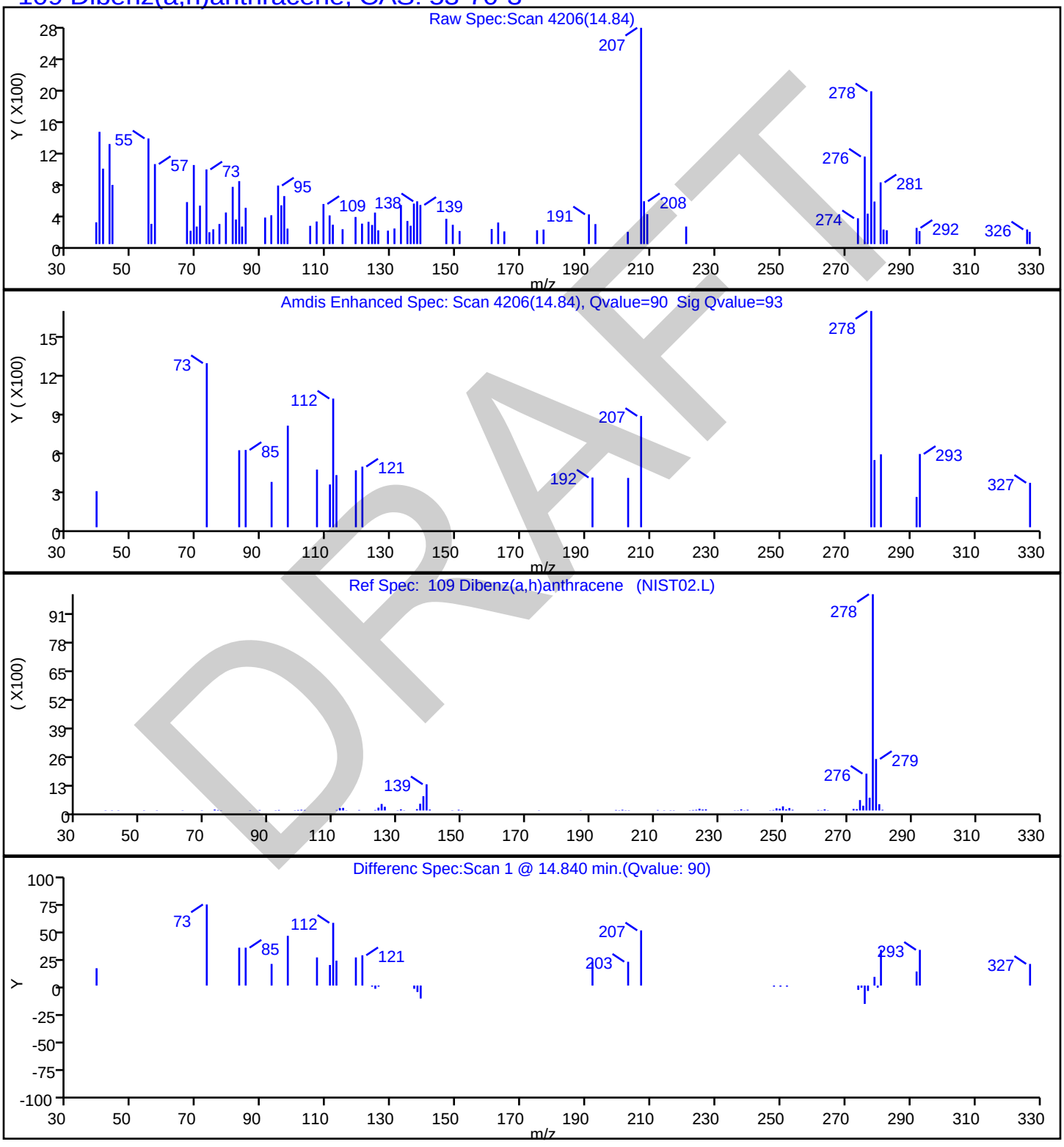
Report Date: 08-Jul-2024 13:41:55 Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37722.d

Injection Date:	07-Jul-2024 22:01:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-5-A	Lab Sample ID:	460-307050-5		
Client ID:	SB-9-(0-2)				
Operator ID:		ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

109 Dibenz(a,h)anthracene, CAS: 53-70-3



DRAFT

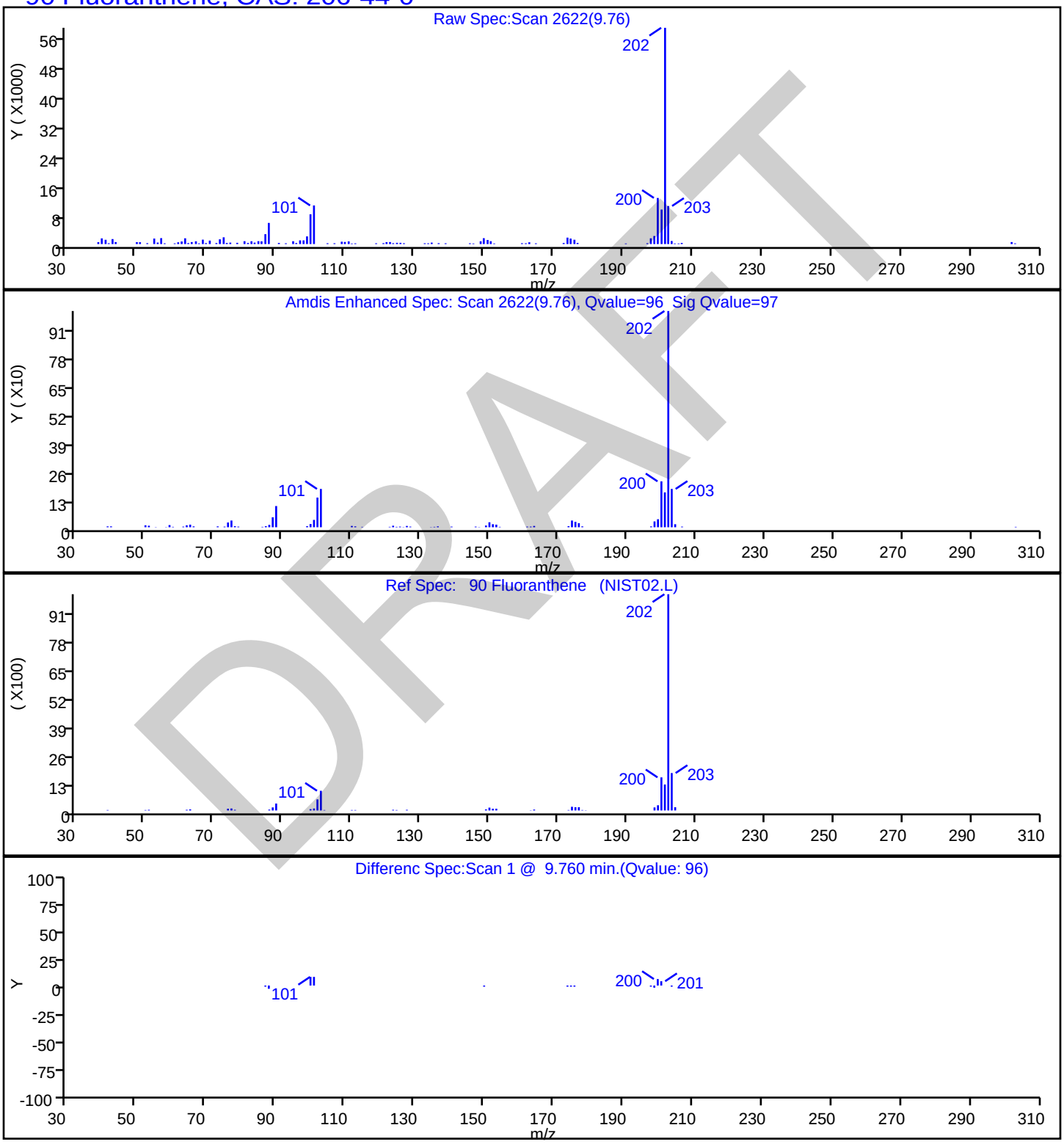
Report Date: 08-Jul-2024 13:41:55 Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37722.d

Injection Date:	07-Jul-2024 22:01:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-5-A	Lab Sample ID:	460-307050-5		
Client ID:	SB-9-(0-2)				
Operator ID:		ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

90 Fluoranthene, CAS: 206-44-0

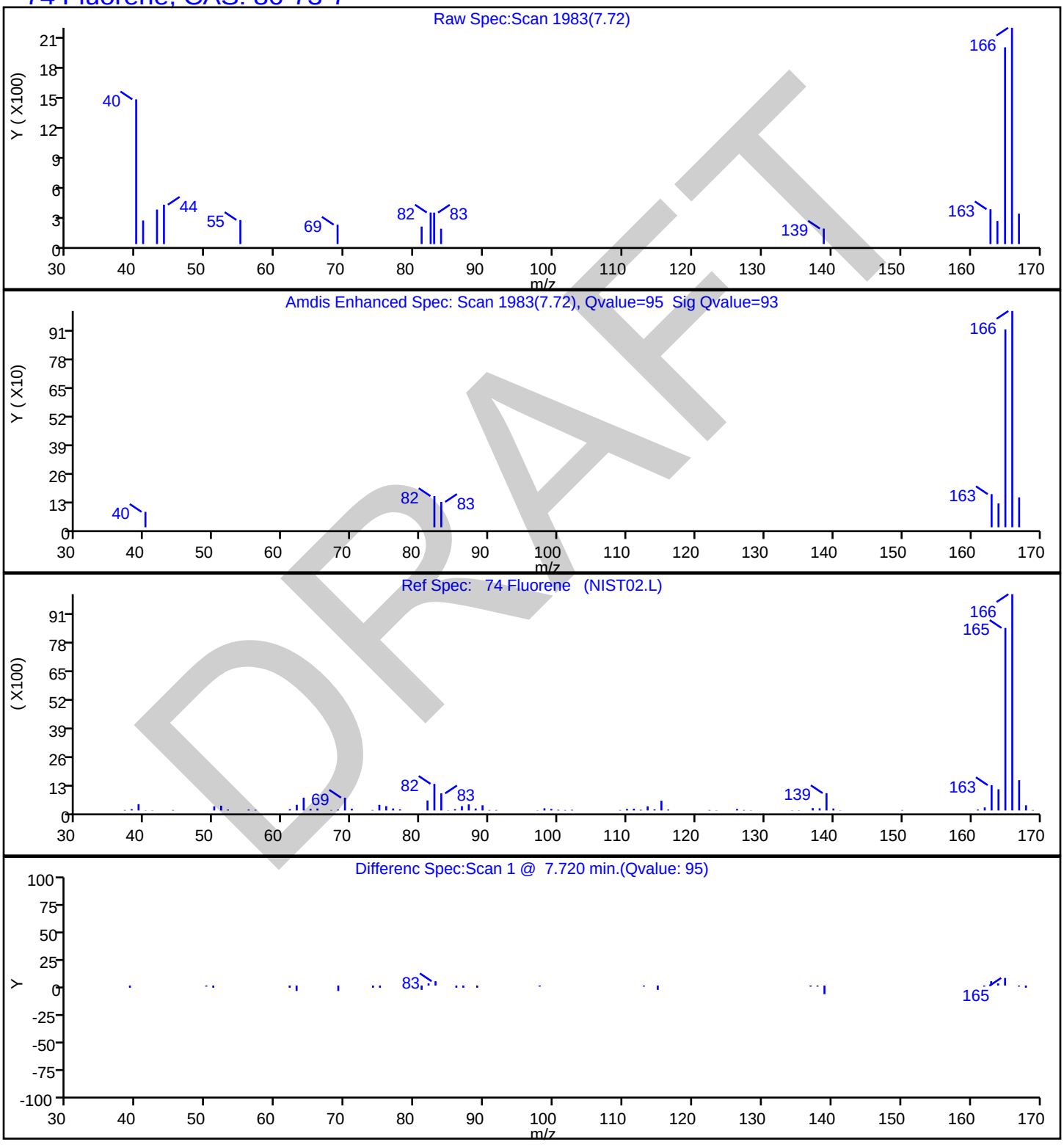


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Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37722.d				
Injection Date:	07-Jul-2024 22:01:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-5-A	Lab Sample ID:	460-307050-5		
Client ID:	SB-9-(0-2)				
Operator ID:		ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

74 Fluorene, CAS: 86-73-7

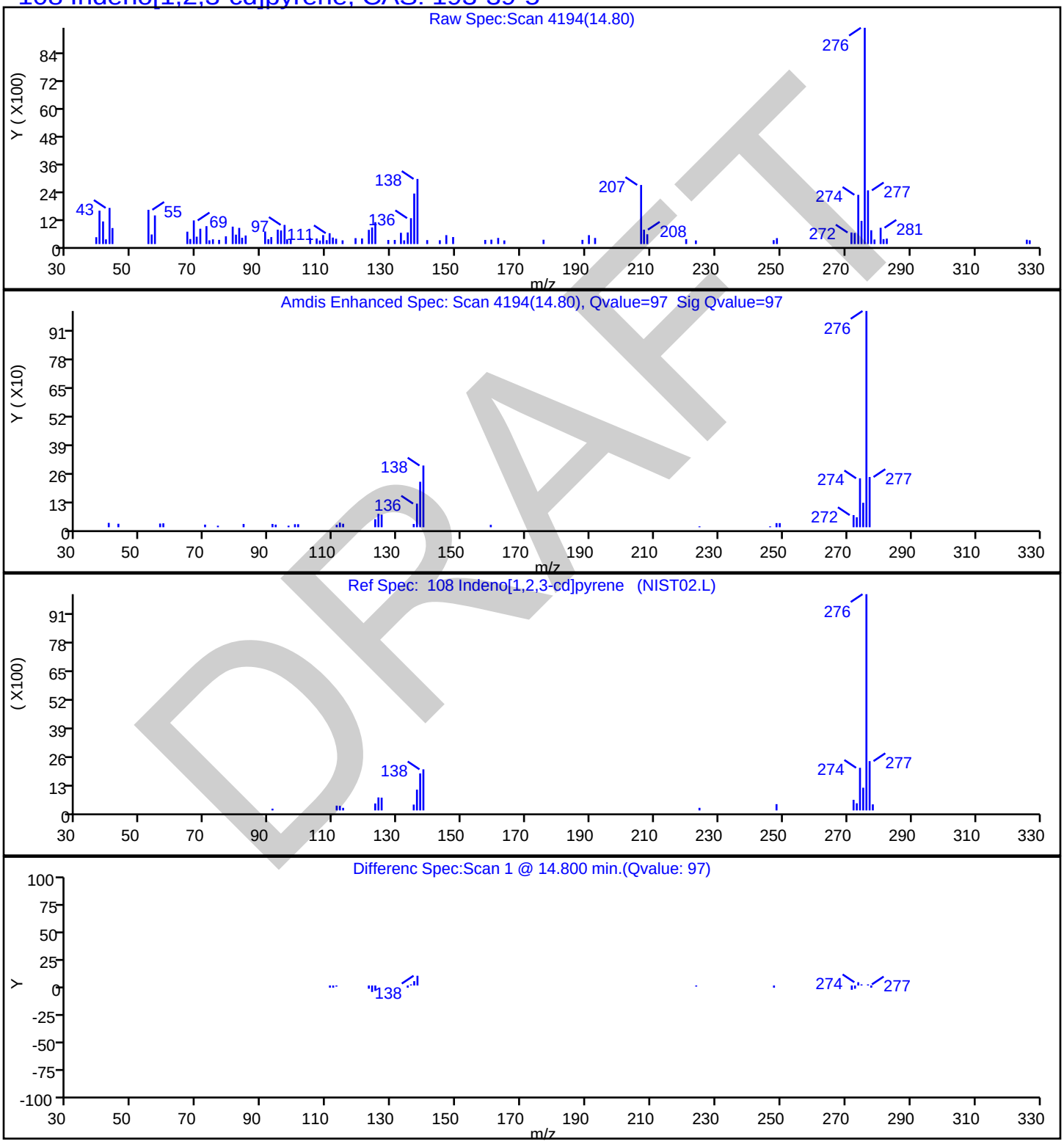


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Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37722.d				
Injection Date:	07-Jul-2024 22:01:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-5-A	Lab Sample ID:	460-307050-5		
Client ID:	SB-9-(0-2)				
Operator ID:		ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

108 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

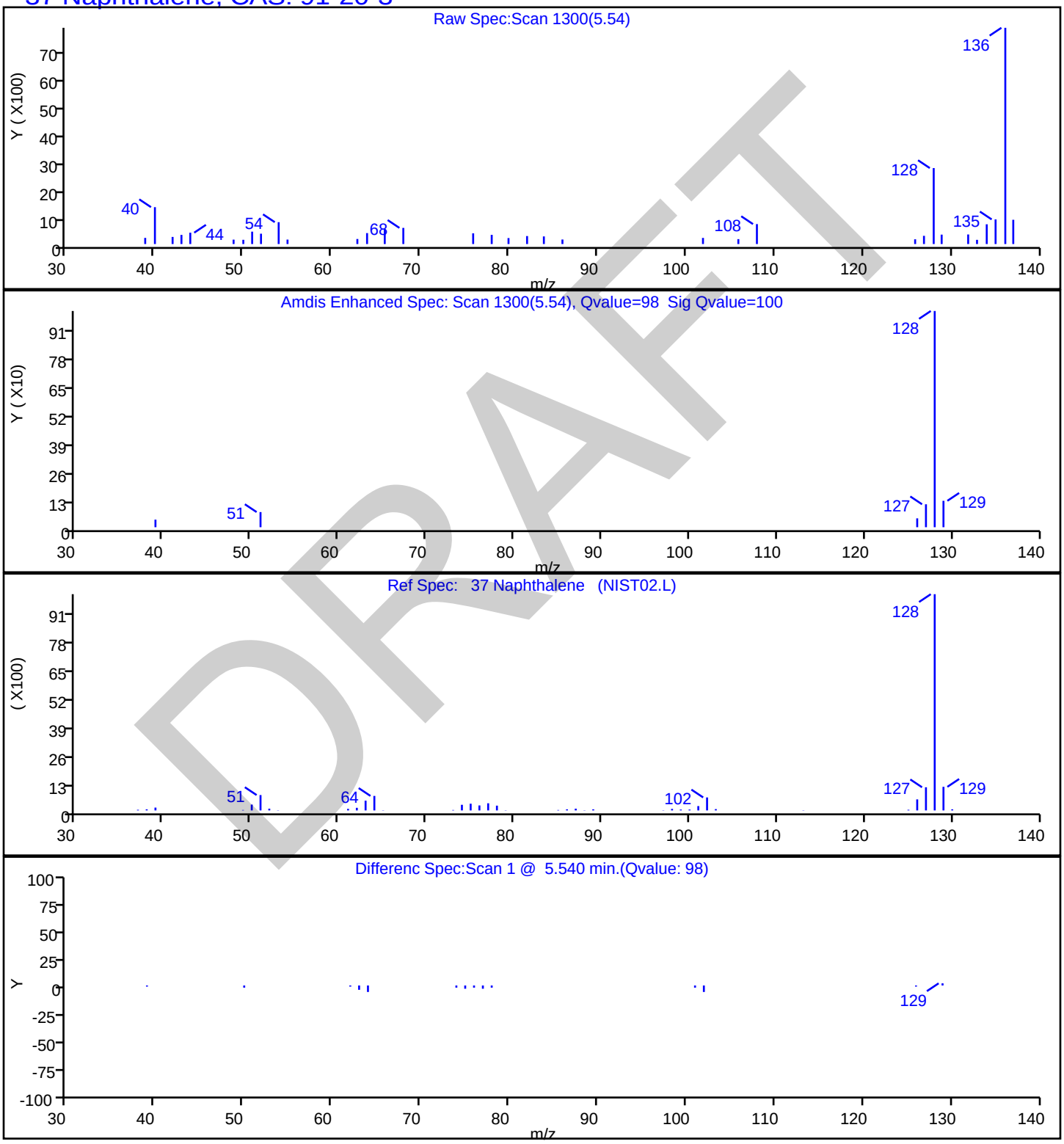


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Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37722.d				
Injection Date:	07-Jul-2024 22:01:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-5-A	Lab Sample ID:	460-307050-5		
Client ID:	SB-9-(0-2)				
Operator ID:		ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

37 Naphthalene, CAS: 91-20-3

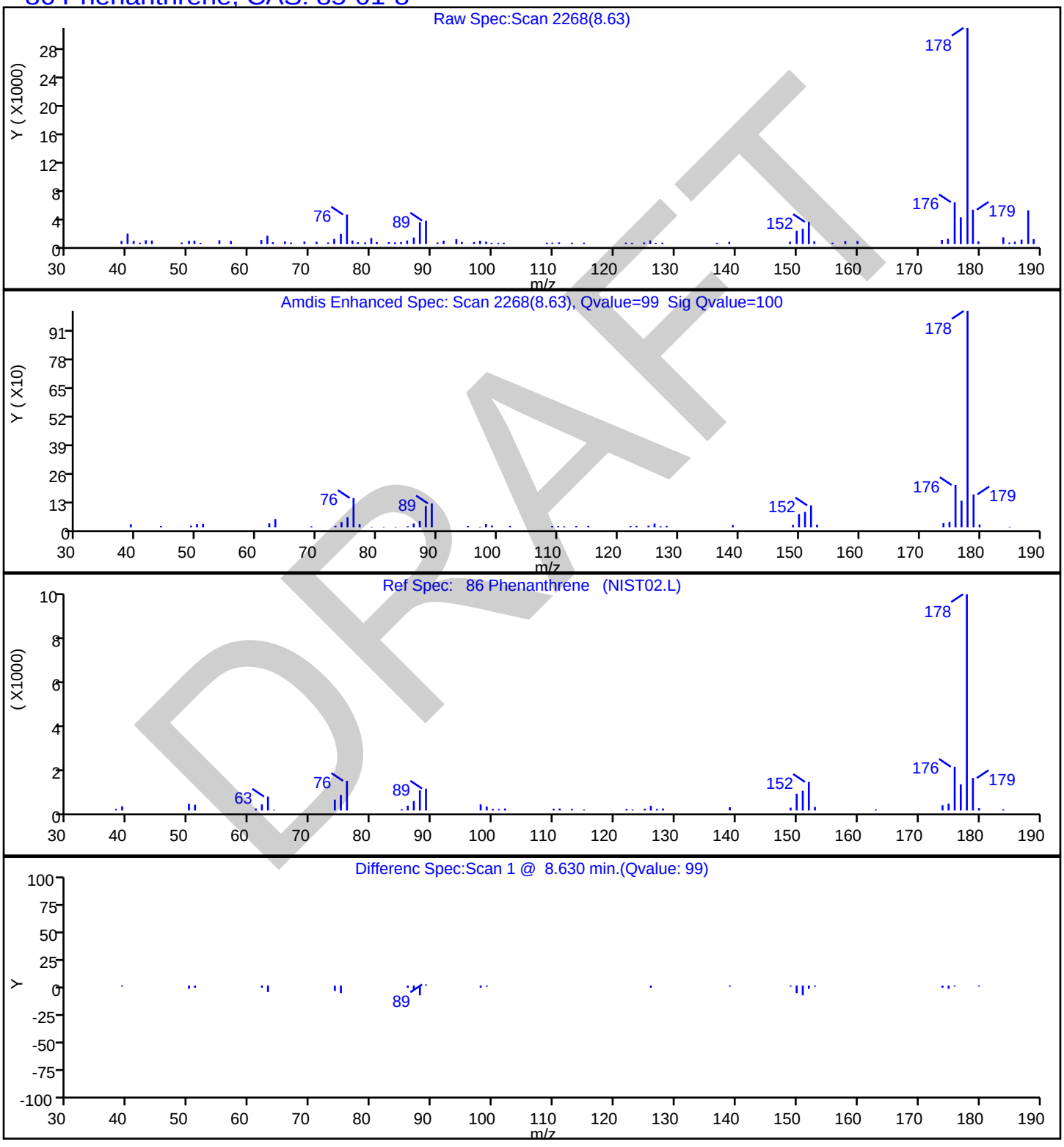


DRAFT

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37722.d				
Injection Date:	07-Jul-2024 22:01:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-5-A	Lab Sample ID:	460-307050-5		
Client ID:	SB-9-(0-2)				
Operator ID:		ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

86 Phenanthrene, CAS: 85-01-8

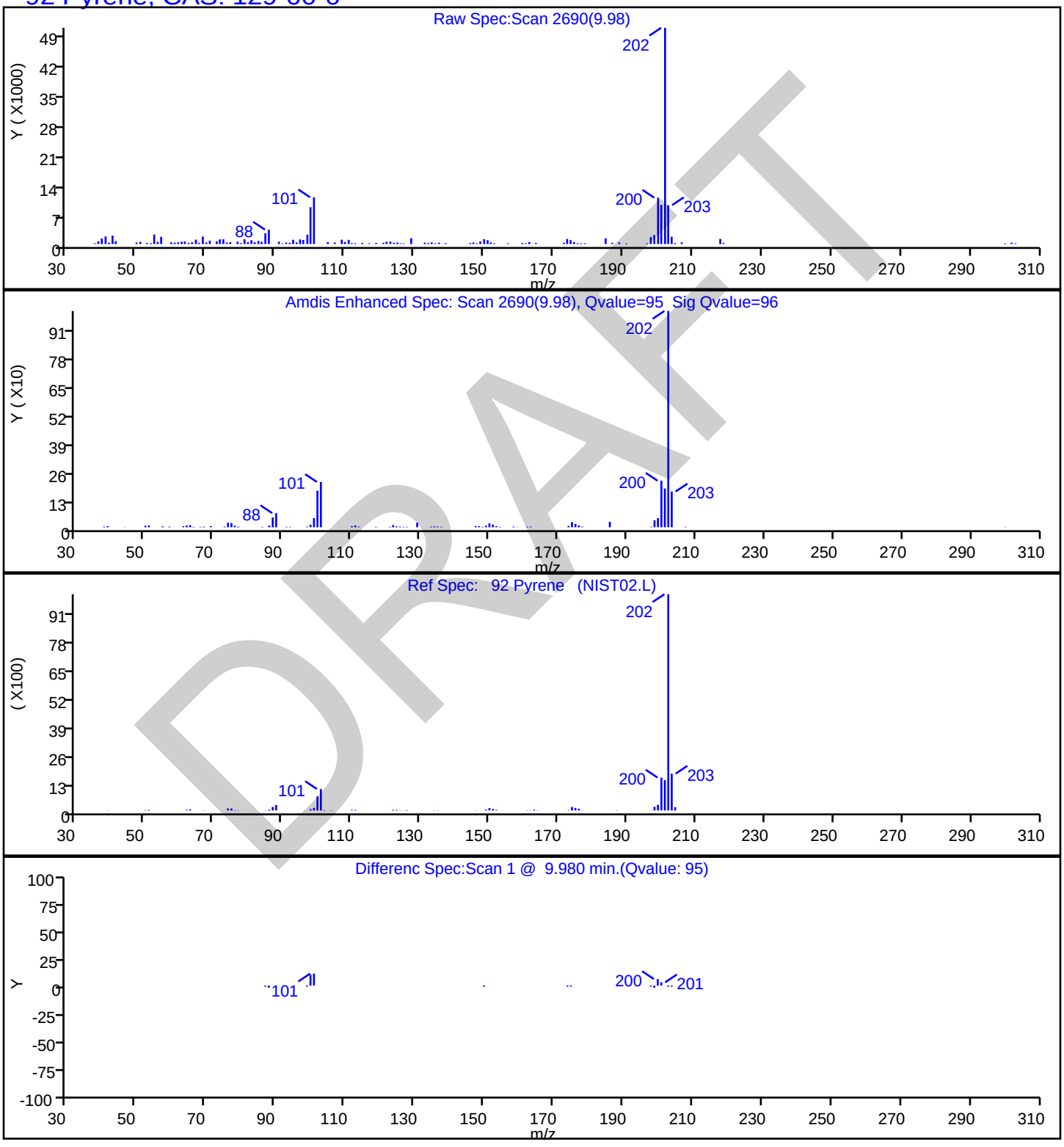


DRAFT

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37722.d				
Injection Date:	07-Jul-2024 22:01:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-5-A	Lab Sample ID:	460-307050-5		
Client ID:	SB-9-(0-2)				
Operator ID:		ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

92 Pyrene, CAS: 129-00-0



DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

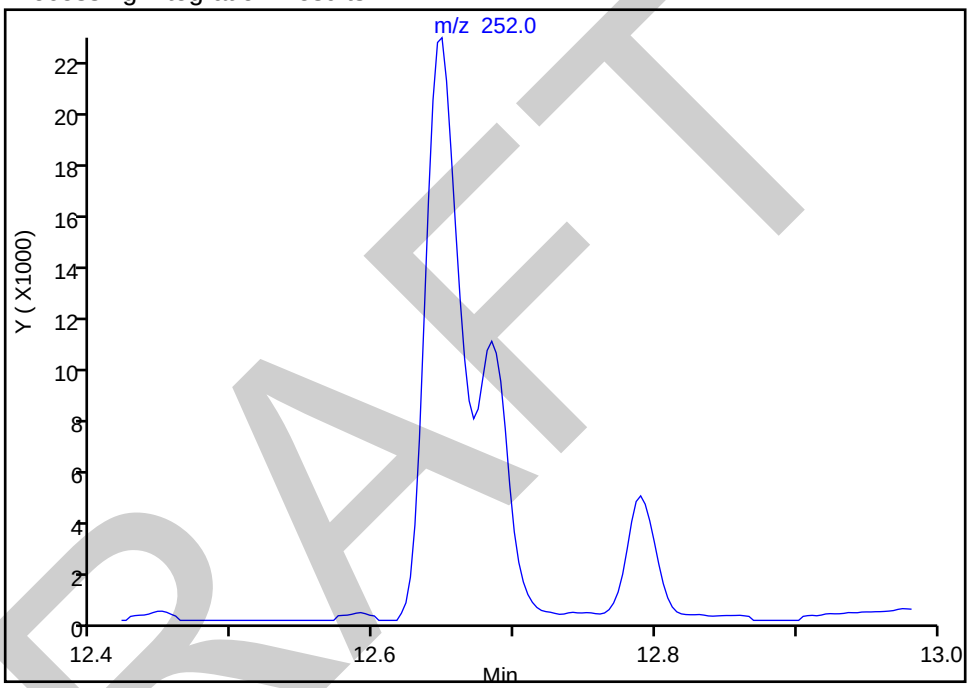
Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37722.d				
Injection Date:	07-Jul-2024 22:01:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-5-A	Lab Sample ID:	460-307050-5		
Client ID:	SB-9-(0-2)				
Operator ID:		ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

105 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

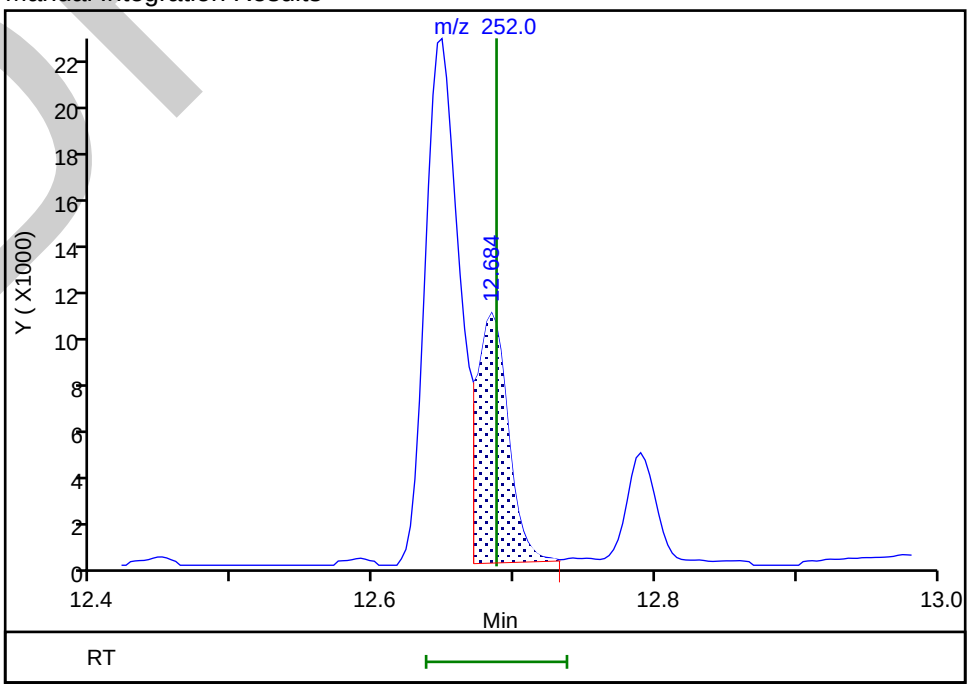
Not Detected
Expected RT: 12.69

Processing Integration Results



Manual Integration Results

RT: 12.68
Area: 16473
Amount: 1.001182
Amount Units: ug/ml



Reviewer: C8UP, 08-Jul-2024 13:41:12 07:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

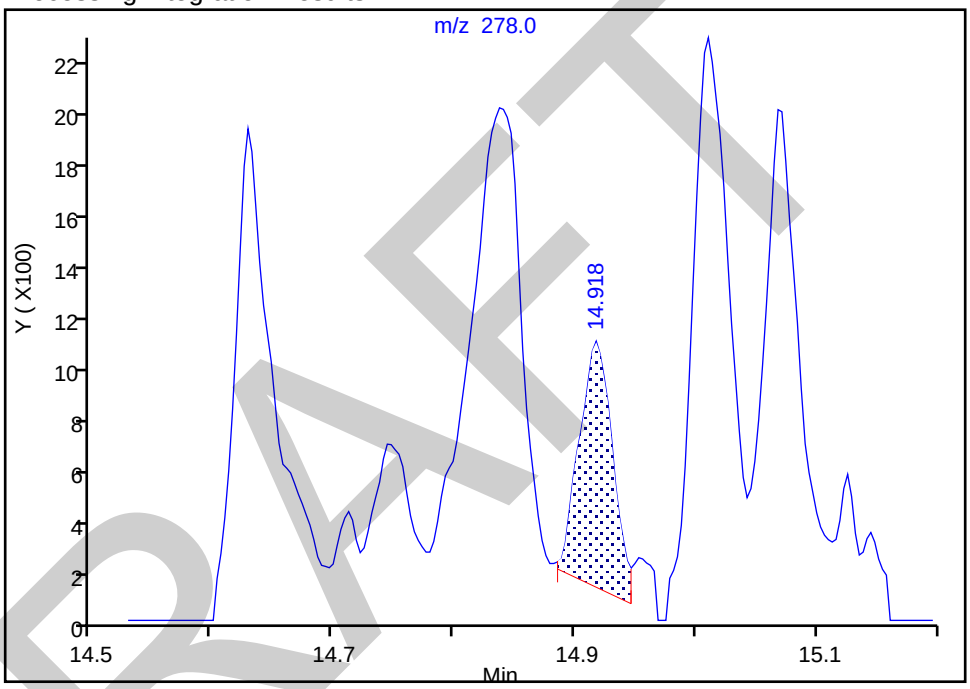
Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37722.d				
Injection Date:	07-Jul-2024 22:01:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-5-A	Lab Sample ID:	460-307050-5		
Client ID:	SB-9-(0-2)				
Operator ID:		ALS Bottle#:	23	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

109 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

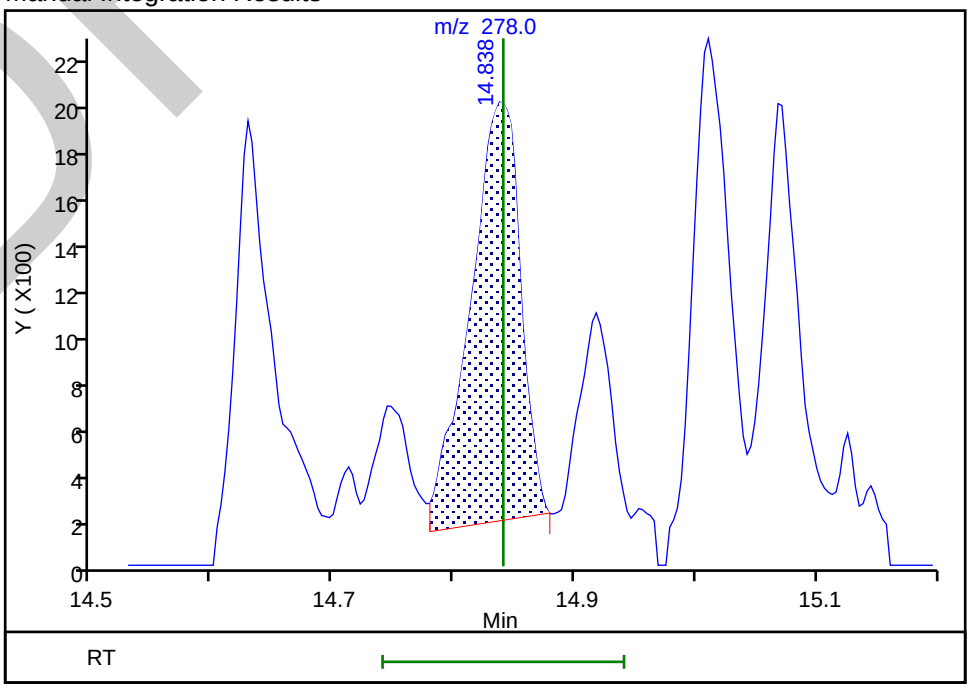
Processing Integration Results

RT: 14.92
Area: 1794
Amount: 0.110545
Amount Units: ug/ml



Manual Integration Results

RT: 14.84
Area: 5097
Amount: 0.314075
Amount Units: ug/ml



Reviewer: C8UP, 08-Jul-2024 13:41:33 07:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Assign Peak

DRAFT

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-307050-1

SDG No.:

Client Sample ID: SB-9-(9-11) | Lab Sample ID: 460-307050-6

Matrix: Solid | Lab File ID: L37724.d

Analysis Method: 8270E | Date Collected: 07/03/2024 11:25

Extract. Method: 3546 | Date Extracted: 07/06/2024 10:42

Sample wt/vol: 15.00(g) | Date Analyzed: 07/07/2024 22:46

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: 9.7 % Solids: 90.3 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 983942 | Units: mg/Kg

Preparation Batch No.: 983903 | Instrument ID: CBNAMS12

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.037	U	0.037	0.032
95-48-7	2-Methylphenol	0.37	U	0.37	0.014
15831-10-4	3 & 4 Methylphenol	0.37	U	0.37	0.023
83-32-9	Acenaphthene	0.37	U	0.37	0.010
208-96-8	Acenaphthylene	0.37	U	0.37	0.010
120-12-7	Anthracene	0.37	U	0.37	0.011
56-55-3	Benzo[a]anthracene	0.040		0.037	0.028
50-32-8	Benzo[a]pyrene	0.032	J	0.037	0.0098
205-99-2	Benzo[b]fluoranthene	0.047		0.037	0.0095
191-24-2	Benzo[g,h,i]perylene	0.025	J	0.37	0.011
207-08-9	Benzo[k]fluoranthene	0.019	J	0.037	0.0072
218-01-9	Chrysene	0.034	J	0.37	0.015
53-70-3	Dibenz(a,h)anthracene	0.037	U	0.037	0.016
132-64-9	Dibenzofuran	0.37	U	0.37	0.012
206-44-0	Fluoranthene	0.044	J	0.37	0.013
86-73-7	Fluorene	0.37	U	0.37	0.011
118-74-1	Hexachlorobenzene	0.037	U	0.037	0.017
193-39-5	Indeno[1,2,3-cd]pyrene	0.023	J	0.037	0.014
91-20-3	Naphthalene	0.016	J	0.37	0.0063
87-86-5	Pentachlorophenol	0.29	U	0.29	0.075
85-01-8	Phenanthrene	0.030	J	0.37	0.015
108-95-2	Phenol	0.37	U	0.37	0.013
129-00-0	Pyrene	0.046	J	0.37	0.0091

DRAFT

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-307050-1

SDG No.:

Client Sample ID: SB-9-(9-11) | Lab Sample ID: 460-307050-6

Matrix: Solid | Lab File ID: L37724.d

Analysis Method: 8270E | Date Collected: 07/03/2024 11:25

Extract. Method: 3546 | Date Extracted: 07/06/2024 10:42

Sample wt/vol: 15.00(g) | Date Analyzed: 07/07/2024 22:46

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: 9.7 % Solids: 90.3 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 983942 | Units: mg/Kg

Preparation Batch No.: 983903 | Instrument ID: CBNAMS12

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	54		24-137
321-60-8	2-Fluorobiphenyl	63		38-128
367-12-4	2-Fluorophenol (Surr)	59		31-133
4165-60-0	Nitrobenzene-d5 (Surr)	60		31-120
4165-62-2	Phenol-d5 (Surr)	60		35-132
1718-51-0	Terphenyl-d14 (Surr)	66		44-147

DRAFT

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37724.d
Lims ID: 460-307050-A-6-A
Client ID: SB-9-(9-11)
Sample Type: Client
Inject. Date: 07-Jul-2024 22:46:30 ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0178055-025
Operator ID: Instrument ID: CBNAMS12

Method: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\8270_12R_9.m
Limit Group: SV 8270E ICAL
Last Update: 08-Jul-2024 13:44:59 Calib Date: 24-Jun-2024 11:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37512.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: C8UP Date: 08-Jul-2024 13:44:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	3.024	3.015	0.009	94	195809	29.5	
$ 6 Phenol-d5	99	3.933	3.934	-0.001	0	270421	30.2	
* 13 1,4-Dichlorobenzene-d4	152	4.294	4.295	-0.001	97	192084	40.0	
$ 26 Nitrobenzene-d5	82	4.837	4.842	-0.005	88	220794	29.8	
* 36 Naphthalene-d8	136	5.517	5.519	-0.002	99	713775	40.0	
37 Naphthalene	128	5.539	5.536	0.001	96	3857	0.2132	
$ 50 2-Fluorobiphenyl	172	6.551	6.551	0.000	97	385529	31.6	
* 63 Acenaphthene-d10	164	7.189	7.191	-0.002	96	340260	40.0	
$ 79 2,4,6-Tribromophenol	330	7.946	7.949	-0.003	93	67864	27.2	
* 85 Phenanthrene-d10	188	8.607	8.610	-0.003	99	553076	40.0	
86 Phenanthrene	178	8.633	8.631	0.000	95	5668	0.4012	
90 Fluoranthene	202	9.763	9.761	-0.001	96	9026	0.5975	
92 Pyrene	202	9.981	9.976	0.000	95	8996	0.6175	
$ 94 Terphenyl-d14	244	10.134	10.135	-0.001	97	396075	33.0	
99 Benzo[a]anthracene	228	11.250	11.248	0.000	97	7444	0.5481	
* 100 Chrysene-d12	240	11.259	11.262	-0.003	99	404342	40.0	
101 Chrysene	228	11.291	11.290	0.000	96	5792	0.4644	
104 Benzo[b]fluoranthene	252	12.648	12.659	0.002	96	9621	0.6334	
105 Benzo[k]fluoranthene	252	12.686	12.686	-0.001	93	3965	0.2558	Ma
106 Benzo[a]pyrene	252	13.112	13.109	0.003	95	6294	0.4393	
* 107 Perylene-d12	264	13.189	13.192	-0.003	98	553665	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.803	14.815	0.004	96	4908	0.3111	
110 Benzo[g,h,i]perylene	276	15.252	15.245	0.002	95	4987	0.3416	

QC Flag Legend
Processing Flags

DRAFT

Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

SM_ISTD_00197 Amount Added: 20.00 Units: uL Run Reagent

DRAFT

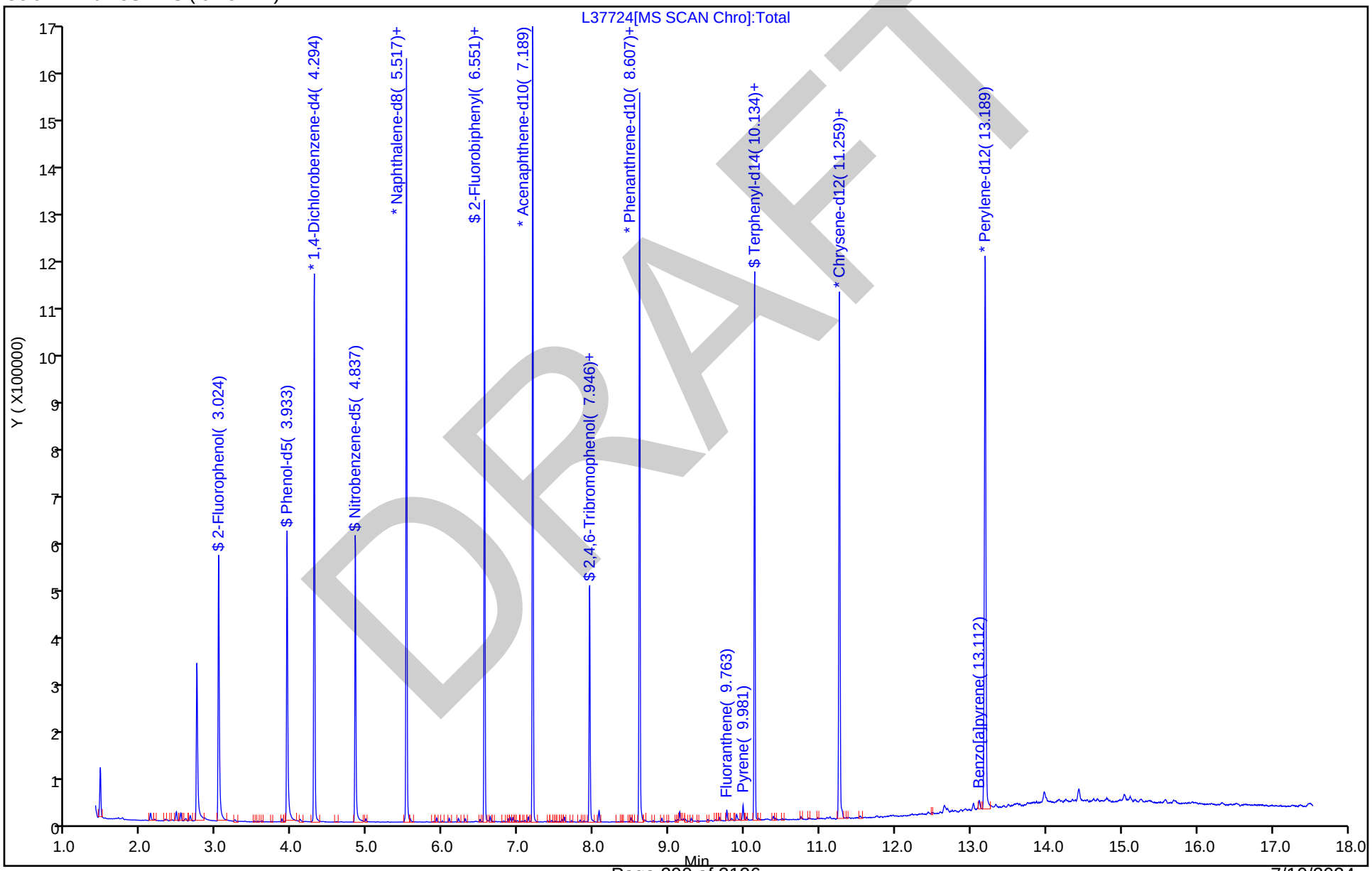
Report Date: 08-Jul-2024 13:44:59 Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37724.d

Injection Date:	07-Jul-2024 22:46:30	Instrument ID:	CBNAMS12	Operator ID:	
Lims ID:	460-307050-A-6-A	Lab Sample ID:	460-307050-6	Worklist Smp#:	25
Client ID:	SB-9-(9-11)				
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	25
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



DRAFT

7/10/2024
4:48:04 PM

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37724.d
Lims ID: 460-307050-A-6-A
Client ID: SB-9-(9-11)
Sample Type: Client
Inject. Date: 07-Jul-2024 22:46:30 ALS Bottle#: 25 Worklist Smp#: 25
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0178055-025
Operator ID: Instrument ID: CBNAMS12

Method: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\8270_12R_9.m
Limit Group: SV 8270E ICAL
Last Update: 08-Jul-2024 13:44:59 Calib Date: 24-Jun-2024 11:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37512.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: C8UP Date: 08-Jul-2024 13:44:59

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 2-Fluorophenol	50.0	29.5	58.93
$ 6 Phenol-d5	50.0	30.2	60.47
$ 26 Nitrobenzene-d5	50.0	29.8	59.64
$ 50 2-Fluorobiphenyl	50.0	31.6	63.22
$ 79 2,4,6-Tribromophenol	50.0	27.2	54.31
$ 94 Terphenyl-d14	50.0	33.0	65.93

DRAFT

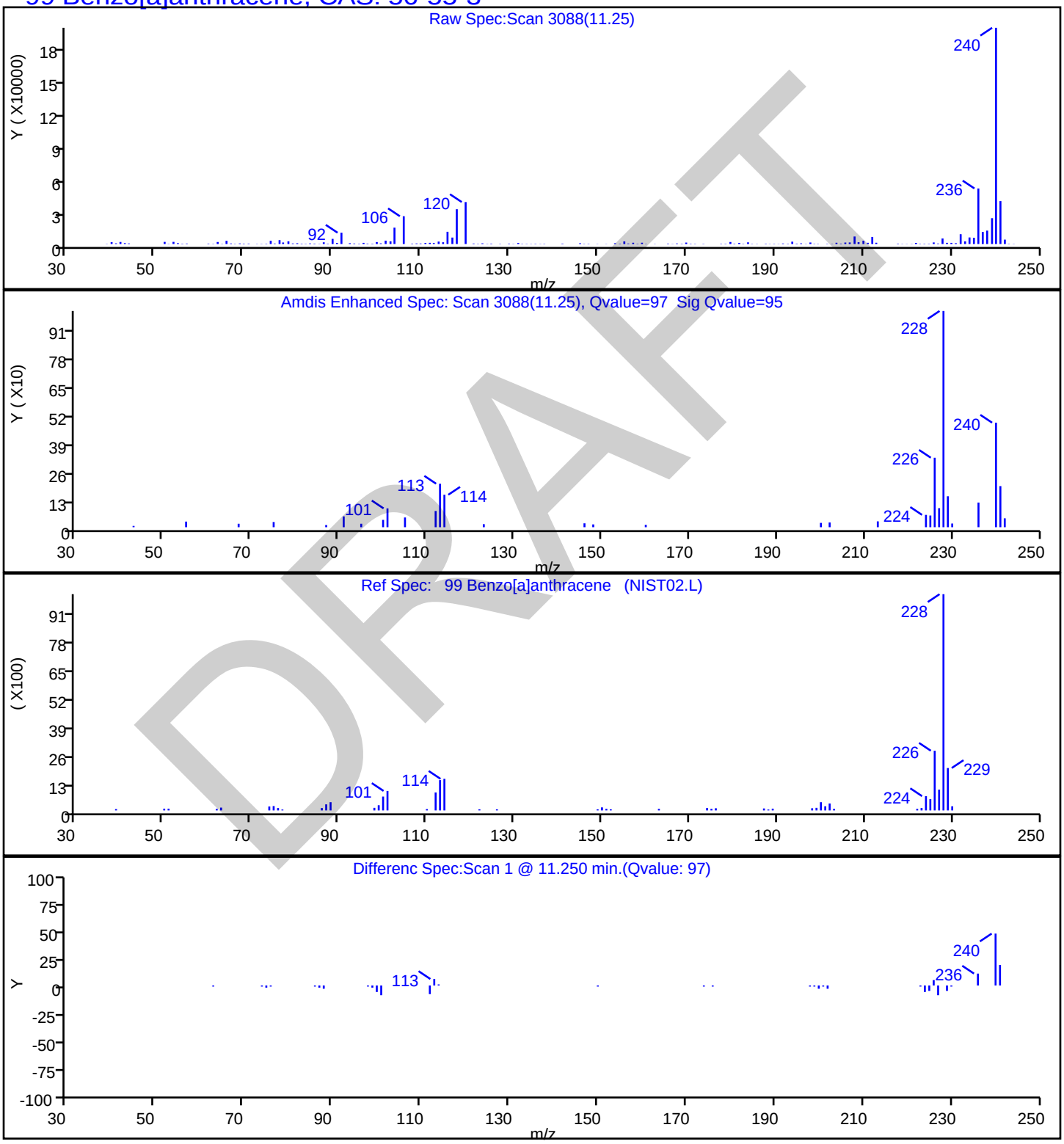
Report Date: 08-Jul-2024 13:44:59 Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37724.d

Injection Date:	07-Jul-2024 22:46:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-6-A	Lab Sample ID:	460-307050-6		
Client ID:	SB-9-(9-11)				
Operator ID:		ALS Bottle#:	25	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

99 Benzo[a]anthracene, CAS: 56-55-3

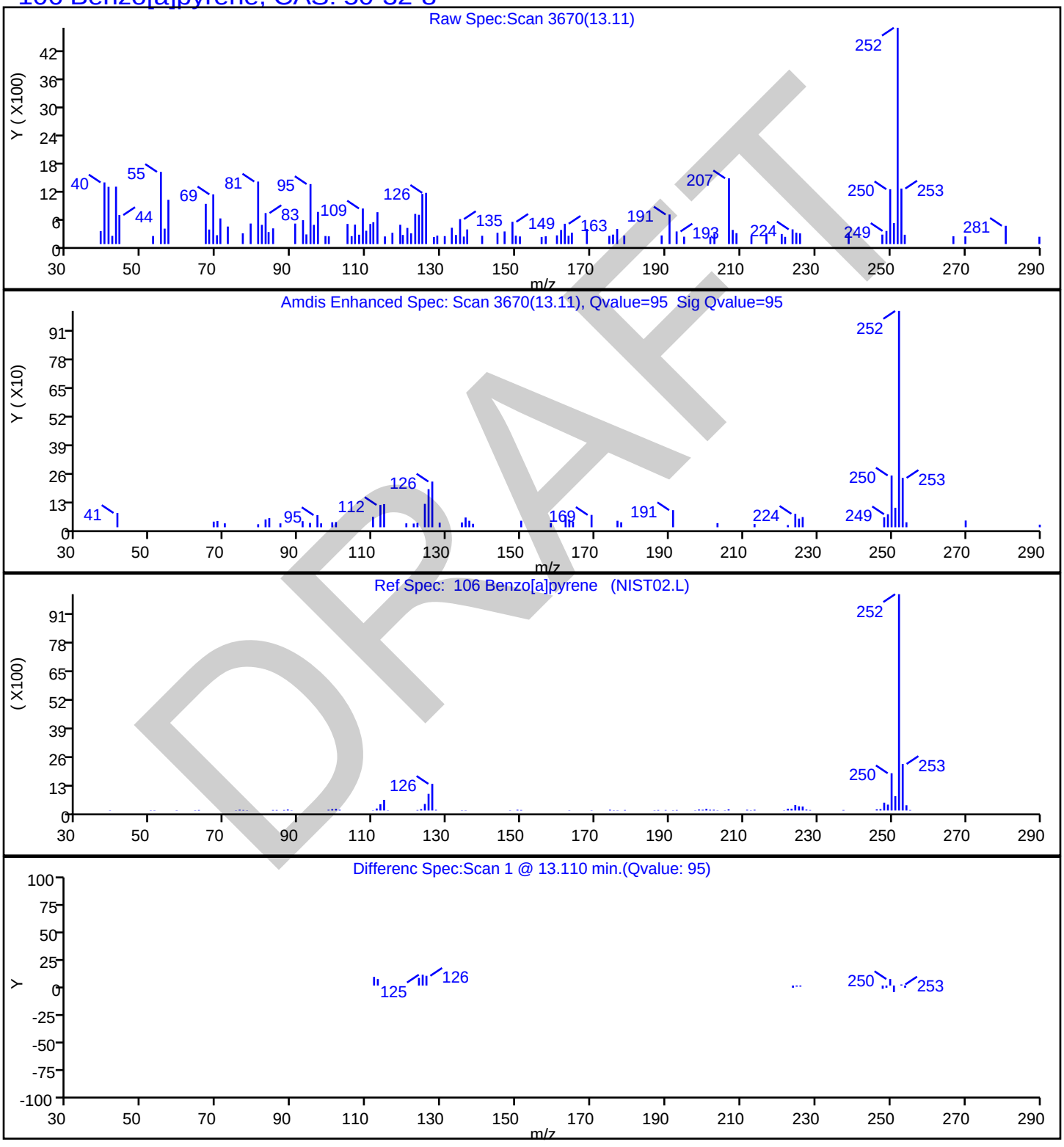


DRAFT

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37724.d				
Injection Date:	07-Jul-2024 22:46:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-6-A	Lab Sample ID:	460-307050-6		
Client ID:	SB-9-(9-11)				
Operator ID:		ALS Bottle#:	25	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

106 Benzo[a]pyrene, CAS: 50-32-8

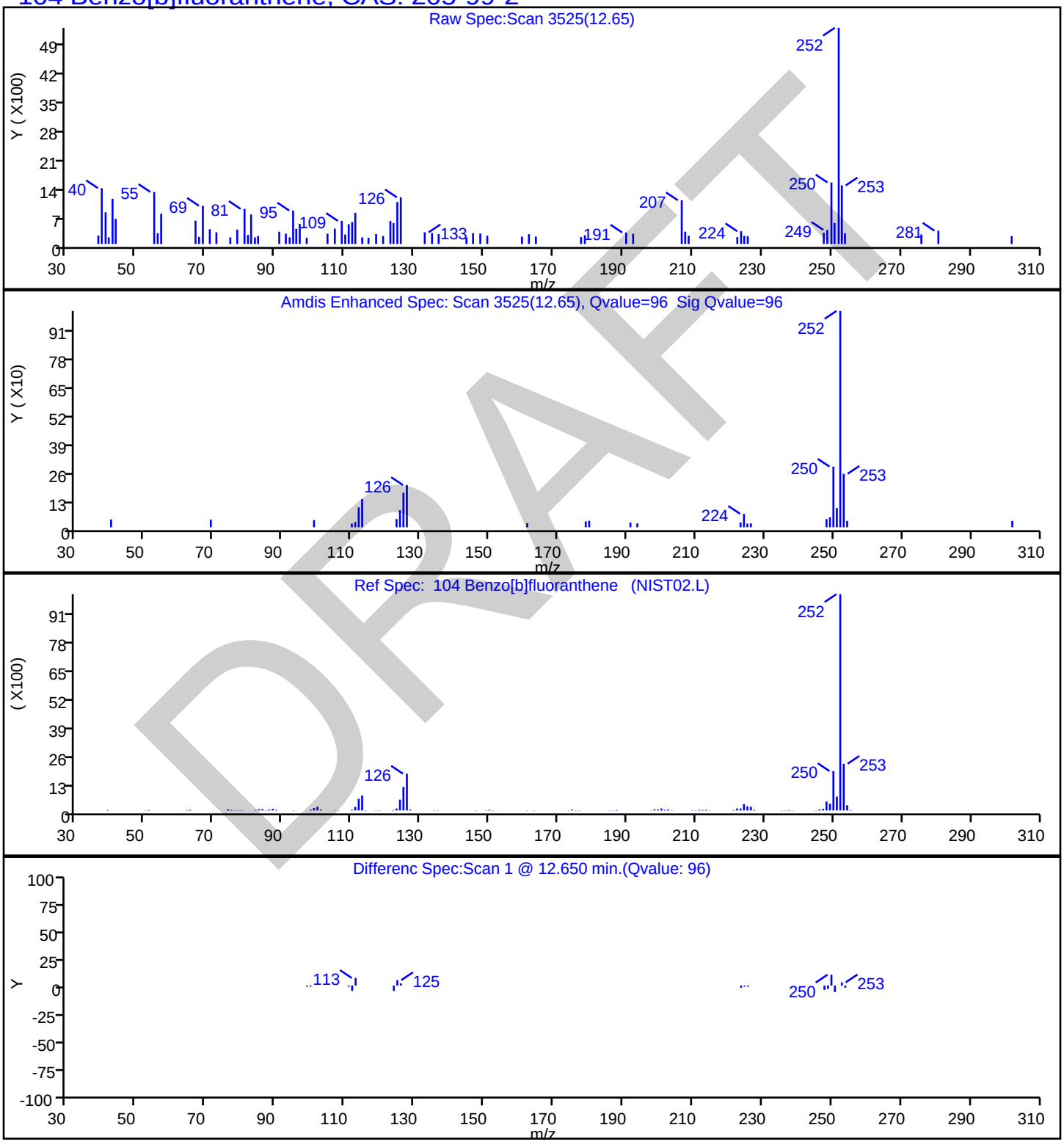


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Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37724.d				
Injection Date:	07-Jul-2024 22:46:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-6-A	Lab Sample ID:	460-307050-6		
Client ID:	SB-9-(9-11)				
Operator ID:		ALS Bottle#:	25	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

104 Benzo[b]fluoranthene, CAS: 205-99-2



DRAFT

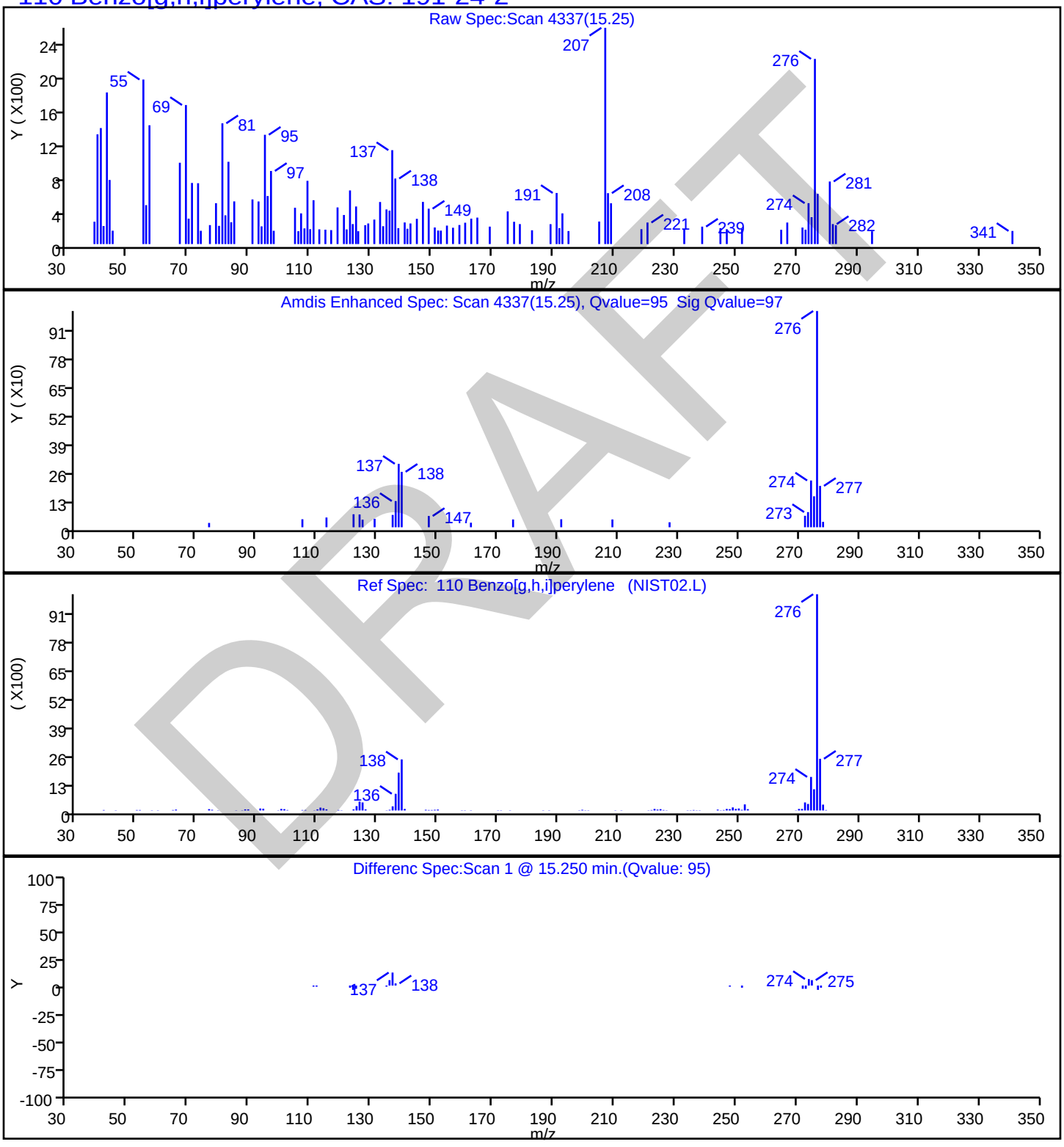
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Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37724.d

Injection Date:	07-Jul-2024 22:46:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-6-A	Lab Sample ID:	460-307050-6		
Client ID:	SB-9-(9-11)				
Operator ID:		ALS Bottle#:	25	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

110 Benzo[g,h,i]perylene, CAS: 191-24-2



DRAFT

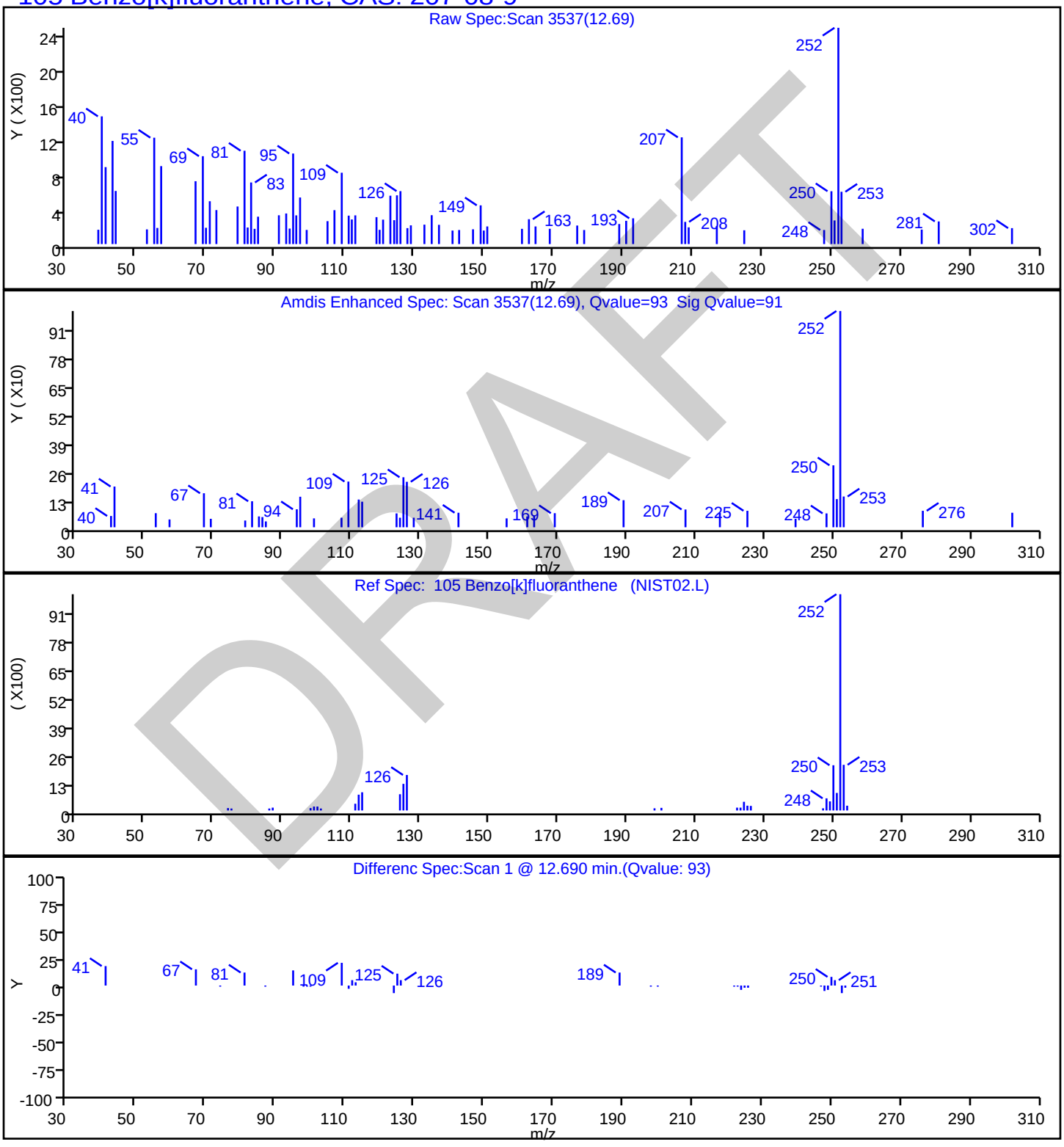
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Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37724.d

Injection Date:	07-Jul-2024 22:46:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-6-A	Lab Sample ID:	460-307050-6		
Client ID:	SB-9-(9-11)				
Operator ID:		ALS Bottle#:	25	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

105 Benzo[k]fluoranthene, CAS: 207-08-9

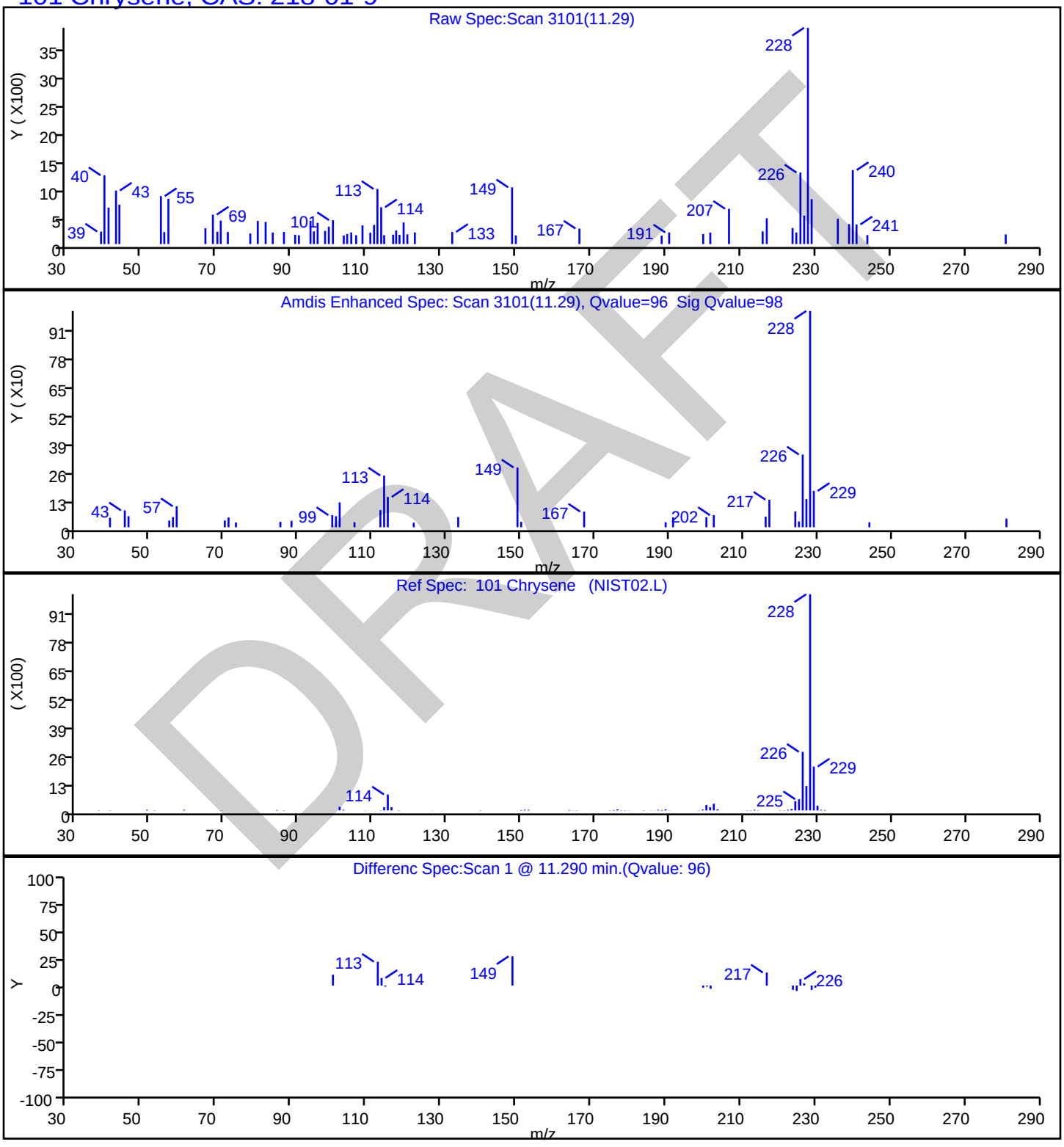


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Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37724.d				
Injection Date:	07-Jul-2024 22:46:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-6-A	Lab Sample ID:	460-307050-6		
Client ID:	SB-9-(9-11)				
Operator ID:		ALS Bottle#:	25	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

101 Chrysene, CAS: 218-01-9



DRAFT

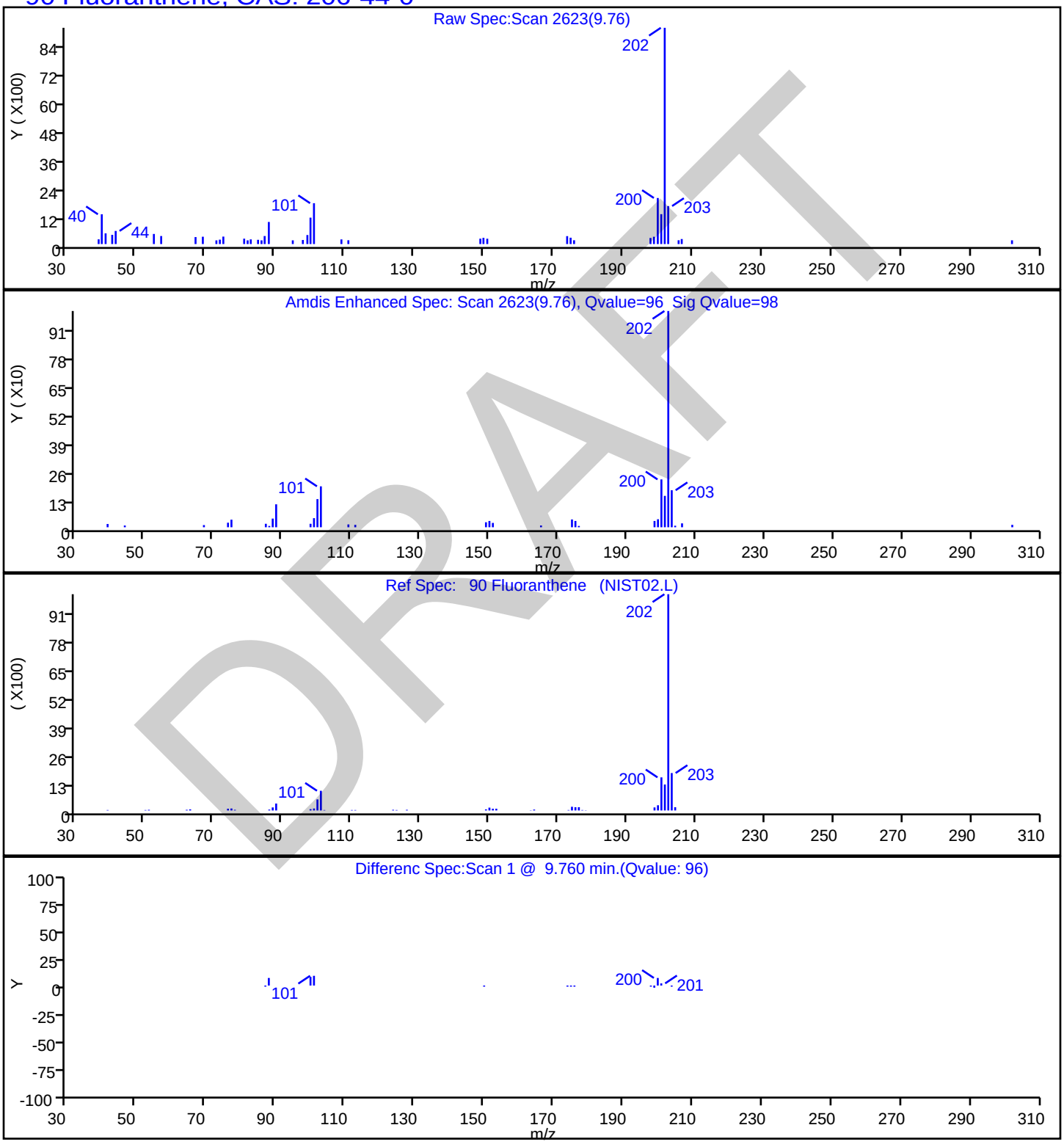
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Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37724.d

Injection Date:	07-Jul-2024 22:46:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-6-A	Lab Sample ID:	460-307050-6		
Client ID:	SB-9-(9-11)				
Operator ID:		ALS Bottle#:	25	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

90 Fluoranthene, CAS: 206-44-0



DRAFT

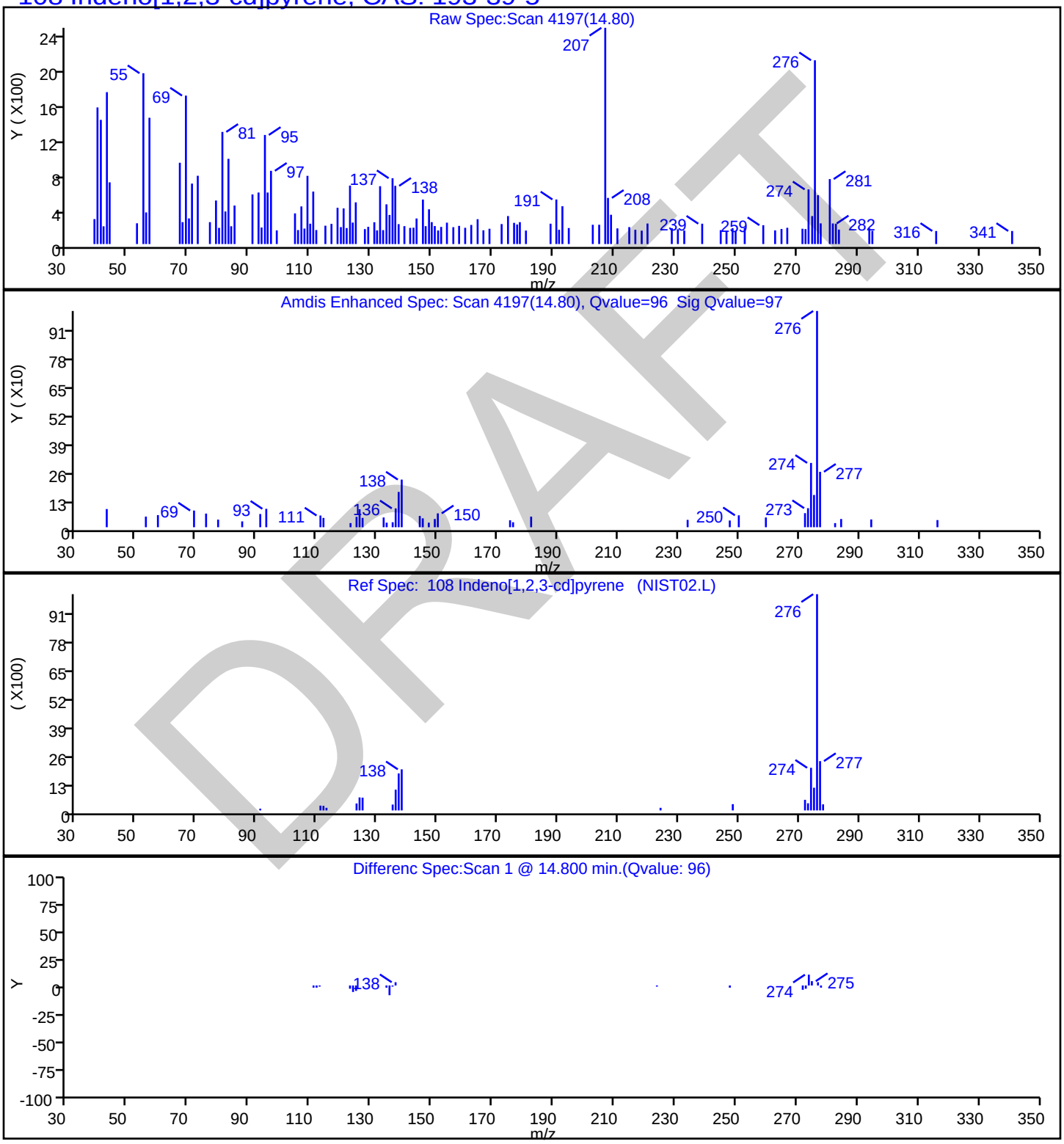
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Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37724.d

Injection Date:	07-Jul-2024 22:46:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-6-A	Lab Sample ID:	460-307050-6		
Client ID:	SB-9-(9-11)				
Operator ID:		ALS Bottle#:	25	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

108 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5



DRAFT

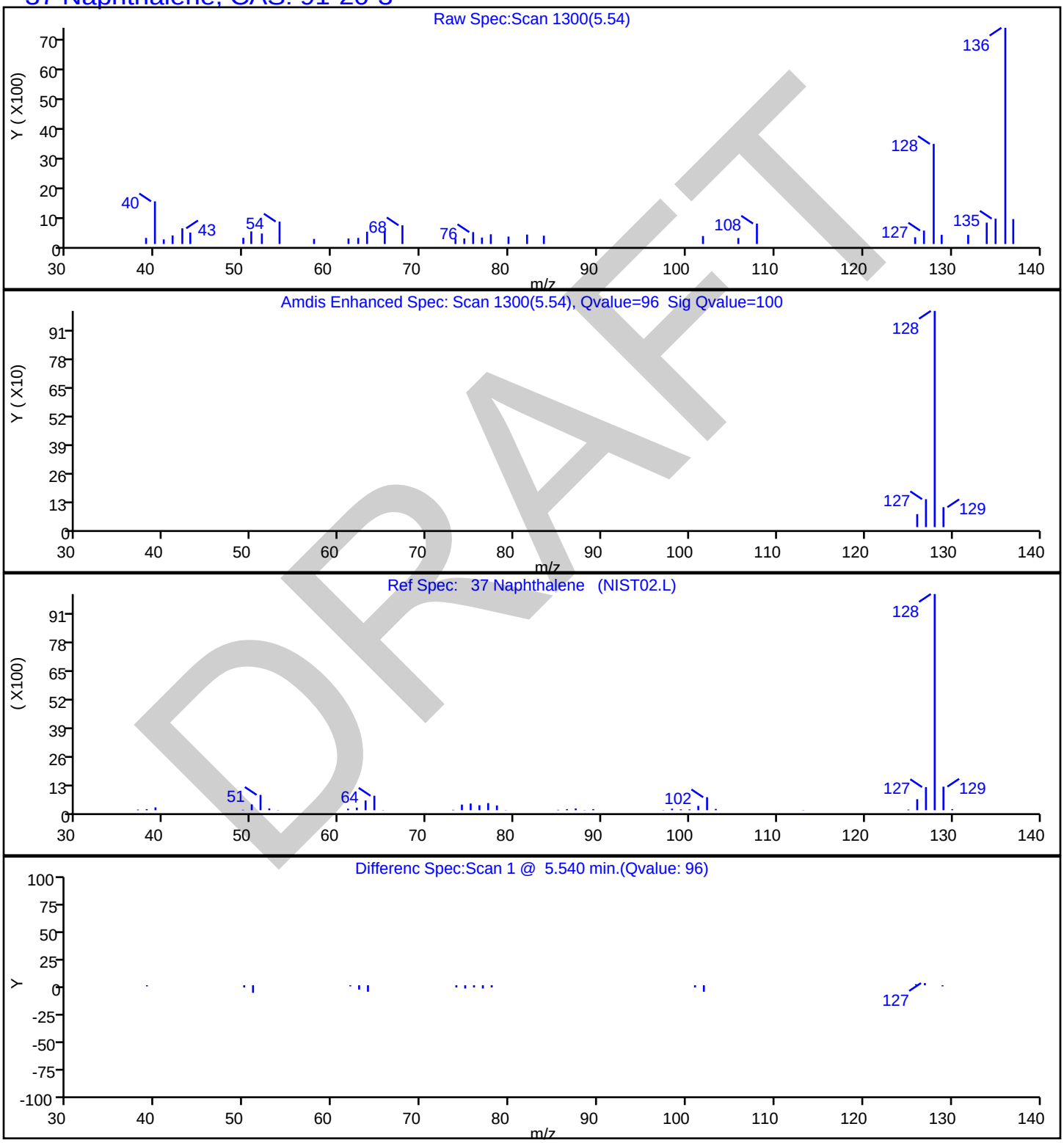
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Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37724.d

Injection Date:	07-Jul-2024 22:46:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-6-A	Lab Sample ID:	460-307050-6		
Client ID:	SB-9-(9-11)				
Operator ID:		ALS Bottle#:	25	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

37 Naphthalene, CAS: 91-20-3

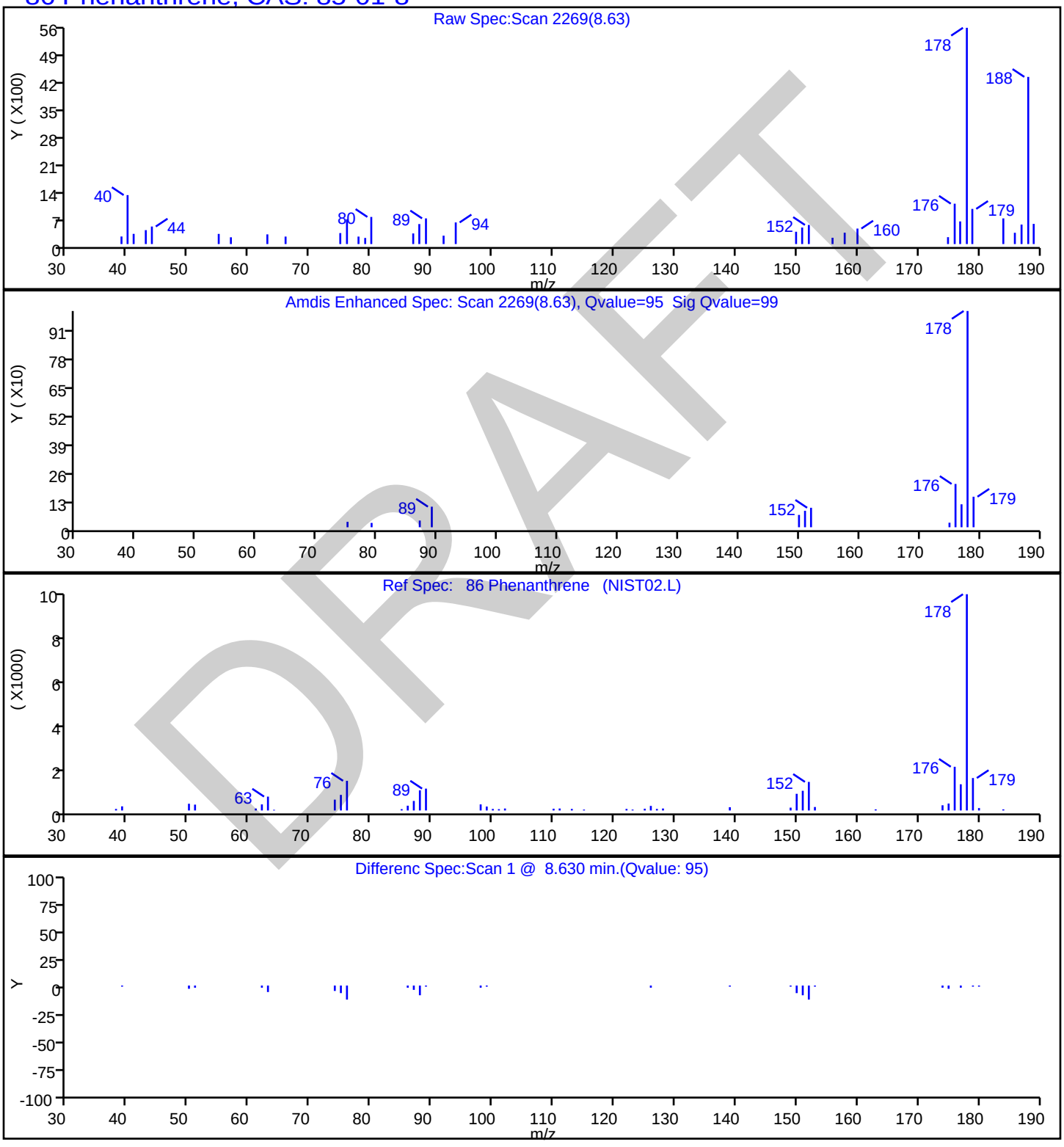


DRAFT

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37724.d				
Injection Date:	07-Jul-2024 22:46:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-6-A	Lab Sample ID:	460-307050-6		
Client ID:	SB-9-(9-11)				
Operator ID:		ALS Bottle#:	25	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

86 Phenanthrene, CAS: 85-01-8

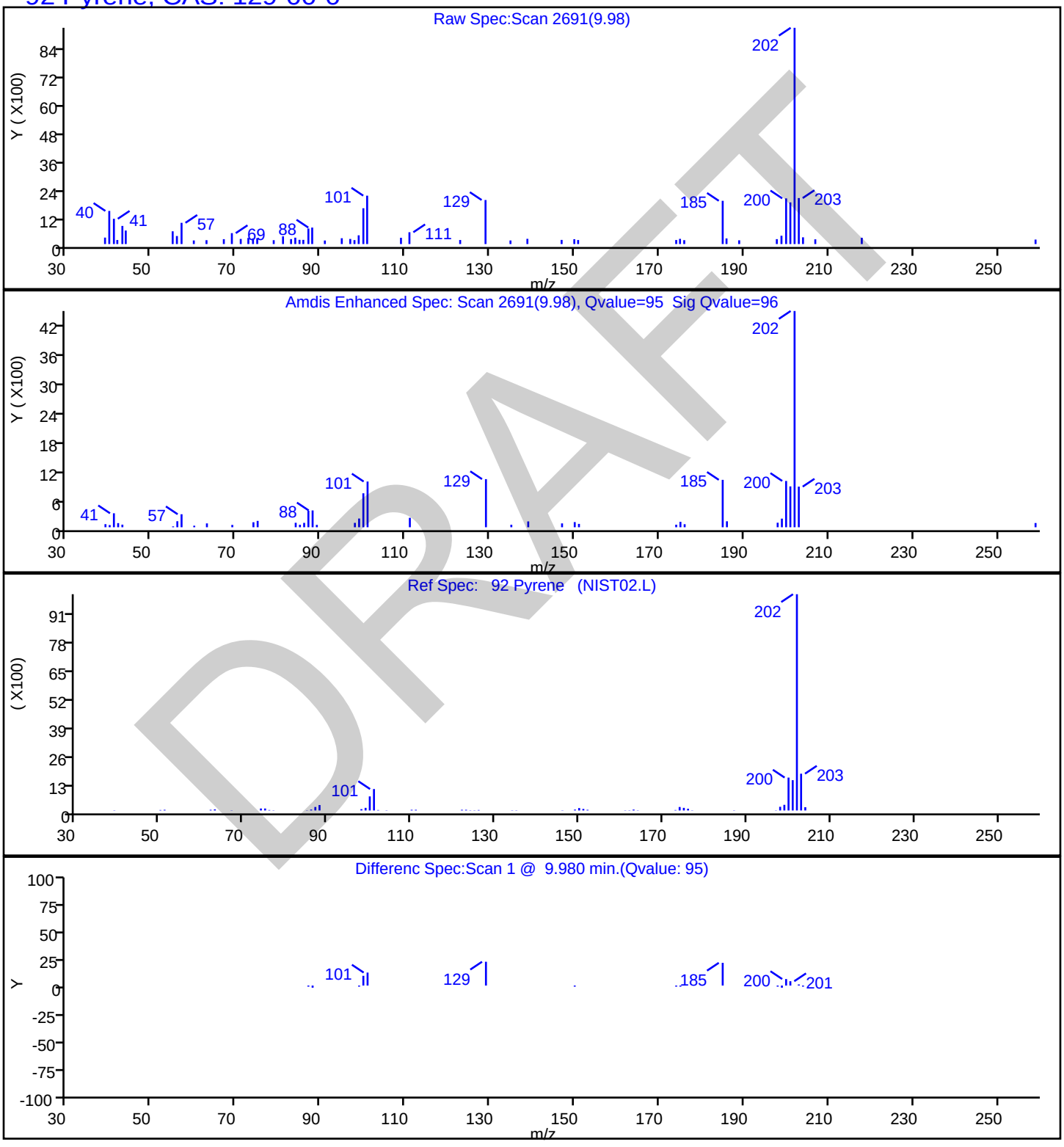


DRAFT

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37724.d				
Injection Date:	07-Jul-2024 22:46:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-6-A	Lab Sample ID:	460-307050-6		
Client ID:	SB-9-(9-11)				
Operator ID:		ALS Bottle#:	25	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

92 Pyrene, CAS: 129-00-0



DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

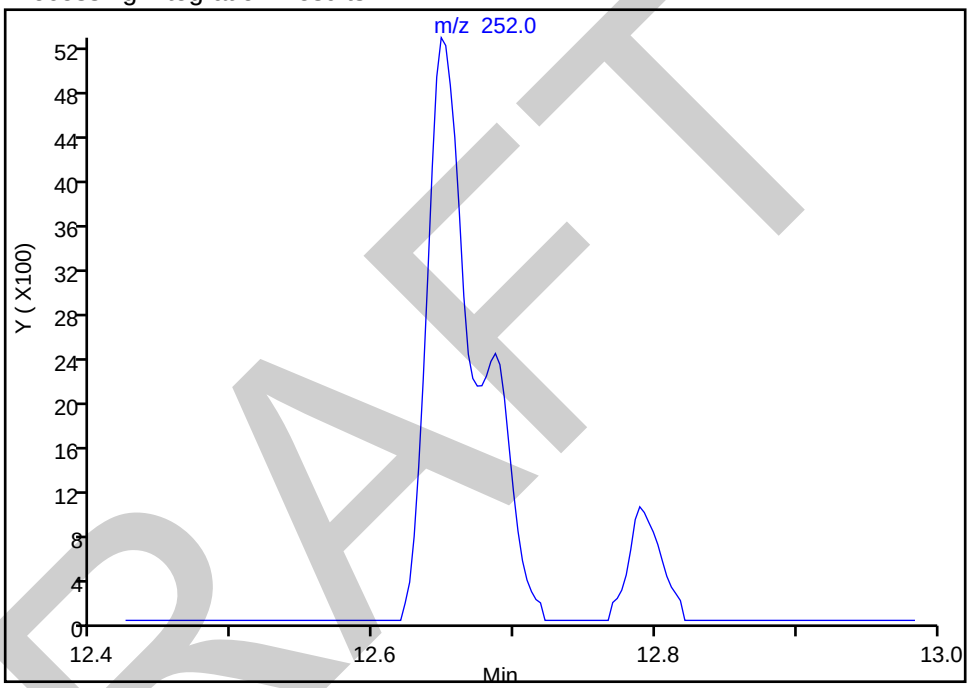
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Injection Date:	07-Jul-2024 22:46:30	Instrument ID:	CBNAMS12		
Lims ID:	460-307050-A-6-A	Lab Sample ID:	460-307050-6		
Client ID:	SB-9-(9-11)				
Operator ID:		ALS Bottle#:	25	Worklist Smp#:	25
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

105 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

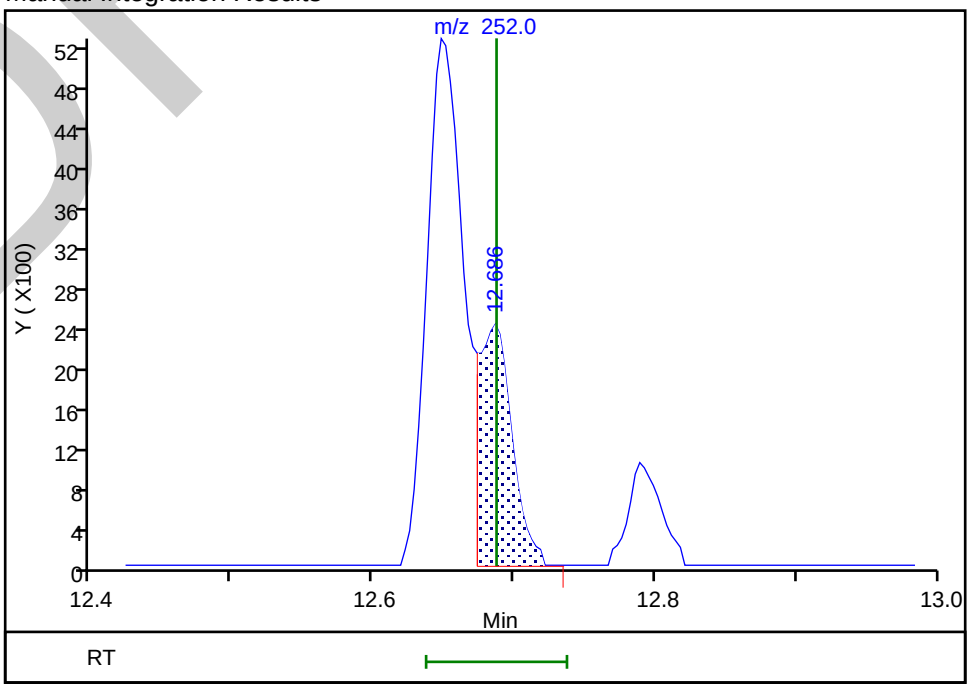
Not Detected
Expected RT: 12.69

Processing Integration Results



Manual Integration Results

RT: 12.69
Area: 3965
Amount: 0.255808
Amount Units: ug/ml



Reviewer: C8UP, 08-Jul-2024 13:44:14 07:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Assign Peak

DRAFT

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-307050-1 Analy Batch No.: 981832

SDG No.:

Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2024 06:06 Calibration End Date: 06/24/2024 09:07 Calibration ID: 97969

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 460-981832/10	Z86744.d
Level 2	STD1 460-981832/9	Z86743.d
Level 3	STD2 460-981832/8	Z86742.d
Level 4	STD5 460-981832/7	Z86741.d
Level 5	STD10 460-981832/6	Z86740.d
Level 6	STD20 460-981832/5	Z86739.d
Level 7	ICIS 460-981832/2	Z86736.d
Level 8	STD80 460-981832/4	Z86738.d
Level 9	STD120 460-981832/3	Z86737.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,4-Dioxane	0.4498 0.6590	0.6038 0.6234	0.6214 0.6271	0.6282 0.6679	0.6459	Ave		0.6141			0.0100	10.5		20.0			
N-Nitrosodimethylamine	1.1010	1.0821	1.1437	0.9937 1.1591	1.0298	Ave		1.0849			0.0100	5.9		20.0			
Pyridine	1.6728	1.3162 1.5369	1.5059 1.6793	1.5179 1.6937	1.6291	Ave		1.5690			0.0100	8.1		20.0			
Benzaldehyde	1.4659	1.5450 +++++	1.5212 +++++	1.5487 +++++	1.5658	Ave		1.5293			0.0100	2.5		20.0			
Phenol	2.1251	2.0882	2.2826	1.9891 2.3086	2.0840	Ave		2.1463			0.8000	5.8		20.0			
Aniline	2.5426	2.4698	2.4884	2.3864 2.4895	2.4711	Ave		2.4746			0.0100	2.0		20.0			
Bis(2-chloroethyl)ether	1.5536 1.6748	1.6787 1.5758	1.6787 1.5975	1.5964 1.6316	1.6449	Ave		1.6258			0.7000	2.9		20.0			
2-Chlorophenol	1.5454	1.5043	1.4928	1.4499 1.5406	1.5019	Ave		1.5058			0.8000	2.3		20.0			
n-Decane	2.5147	2.2396	2.3357	2.5324 2.3486	2.5330	Ave		2.4173			0.0100	5.2		20.0			
1,3-Dichlorobenzene	1.5021	1.5043	1.4888	1.4735 1.5546	1.5339	Ave		1.5095			0.0100	2.0		20.0			
1,4-Dichlorobenzene	1.5358	1.5290	1.5024	1.5391 1.5648	1.5206	Ave		1.5319			0.0100	1.4		20.0			
Benzyl alcohol	1.0877	1.0735	1.0826	0.9742 1.0968	1.0490	Ave		1.0606			0.0100	4.3		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

DRAFT

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-307050-1 Analy Batch No.: 981832

SDG No.:

Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2024 06:06 Calibration End Date: 06/24/2024 09:07 Calibration ID: 97969

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,2-Dichlorobenzene	1.4554	1.4386	1.4246	1.4162 1.4876	1.4686	Ave		1.4485			0.0100	1.9		20.0			
2-Methylphenol	1.4373	1.4253	1.4250	1.3726 1.4470	1.3831	Ave		1.4150			0.7000	2.1		20.0			
2,2'-oxybis[1-chloropropane]	3.4209	3.0800	3.2047	3.3873 3.1390	3.3804	Ave		3.2687			0.0100	4.5		20.0			
N-Methylaniline	2.5224	2.4980	2.4882	2.4535 2.5523	2.5152	Ave		2.5049			0.0100	1.3		20.0			
Acetophenone	2.3406	2.1820	2.1667	2.1950 2.1632	2.2915	Ave		2.2232			0.0100	3.4		20.0			
N-Nitrosodi-n-propylamine	1.3498 1.4713	1.3944 1.3616	1.4150 1.2272	1.3785 1.3848	1.4592	Ave		1.3824			0.5000	5.2		20.0			
3 & 4 Methylphenol	1.7314	1.6378	1.6453	1.6065 1.5301	1.6678	Ave		1.6365			0.0100	4.1		20.0			
4-Methylphenol	1.7314	1.6378	1.6453	1.6065 1.5301	1.6678	Ave		1.6365			0.6000	4.1		20.0			
Hexachloroethane	0.5577 0.6017	0.5699 0.5774	0.5839 0.5837	0.5732 0.5992	0.5946	Ave		0.5824			0.3000	2.5		20.0			
Nitrobenzene	0.6757 0.7911	0.6690 0.7728	0.7287 0.7598	0.7556 0.7717	0.7805	Ave		0.7450			0.2000	6.0		20.0			
n,n'-Dimethylaniline	2.2270 2.3822	2.3520 2.3451	2.3326 2.3374	2.3454 2.3917	2.3906	Ave		2.3449			0.0100	2.1		20.0			
Isophorone	0.8439	0.8324	0.8061 0.8331	0.8209 0.8558	0.8276	Ave		0.8314			0.4000	1.9		20.0			
2-Nitrophenol	0.2012	0.2007	0.1955	0.1869 0.2068	0.1926	Ave		0.1973			0.1000	3.6		20.0			
2,4-Dimethylphenol	0.2785	0.2788	0.2825	0.2668 0.2942	0.2744	Ave		0.2792			0.2000	3.3		20.0			
Bis(2-chloroethoxy)methane	0.5079	0.4956	0.4886	0.4894 0.5062	0.5025	Ave		0.4983			0.3000	1.7		20.0			
Benzoic acid	0.2229	0.2398	0.2621	0.1332 0.2694	0.1958	Lin2	-0.669	0.2641			0.0100				0.9980		0.9900
2,4-Dichlorophenol	0.2798	0.2850	0.2570 0.2740	0.2629 0.2890	0.2710	Ave		0.2741			0.2000	4.2		20.0			
1,2,4-Trichlorobenzene	0.2806 0.2895	0.2887 0.2972	0.2889 0.2859	0.2887 0.3039	0.2832	Ave		0.2896			0.0100	2.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-307050-1 Analy Batch No.: 981832

SDG No.:

Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2024 06:06 Calibration End Date: 06/24/2024 09:07 Calibration ID: 97969

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Naphthalene	1.0554	1.0610	1.0326	1.0644 1.0626	1.0374	Ave		1.0522			0.7000	1.3		20.0			
4-Chloroaniline	0.4606	0.4585	0.4418	0.4533 0.4561	0.4527	Ave		0.4538			0.0100	1.5		20.0			
2,6-Dichlorophenol	0.2697	0.2796	0.2572 0.2681	0.2634 0.2808	0.2643	Ave		0.2690				3.2		20.0			
Hexachlorobutadiene	0.1515	0.1535 0.1548	0.1558 0.1493	0.1473 0.1603	0.1462	Ave		0.1523			0.0100	3.1		20.0			
Caprolactam	0.1139	0.0947 0.1316	0.0973 0.1528	0.1080 0.1569	0.1180	Ave		0.1217			0.0100	19.4		20.0			
4-Chloro-3-methylphenol	0.3151	0.3197	0.3126	0.2962 0.3244	0.3066	Ave		0.3124			0.2000	3.2		20.0			
2-Methylnaphthalene	0.7102	0.7098	0.6936	0.6730 0.7237	0.6884	Ave		0.6998			0.4000	2.6		20.0			
1-Methylnaphthalene	0.6413	0.6465	0.6318	0.6252 0.6572	0.6398	Ave		0.6403			0.0100	1.7		20.0			
Hexachlorocyclopentadiene	0.3192	0.2996	0.3107	0.2992 0.3166	0.3016	Ave		0.3078			0.0500	2.9		20.0			
1,2,4,5-Tetrachlorobenzene	0.5529	0.5754	0.5643	0.5281 0.5999	0.5425	Ave		0.5605			0.0100	4.5		20.0			
2-tertbutyl-4-methylphenol	0.4049	0.4294	0.4161	0.3966 0.4345	0.4155	Ave		0.4162			0.0100	3.4		20.0			
2,4,6-Trichlorophenol	0.3829	0.3951	0.3633 0.3824	0.3584 0.4053	0.3747	Ave		0.3803			0.2000	4.4		20.0			
2,4,5-Trichlorophenol	0.4145	0.4204	0.4106	0.4076 0.4302	0.4024	Ave		0.4143			0.2000	2.4		20.0			
1,1'-Biphenyl	1.5596	1.5859	1.5569	1.5455 1.6191	1.5537	Ave		1.5701			0.0100	1.8		20.0			
2-Chloronaphthalene	1.1864	1.1771	1.1558	1.1777 1.2100	1.1804	Ave		1.1812			0.8000	1.5		20.0			
Phenyl ether	0.8160	0.8522	0.8301	0.8125 0.8615	0.8282	Ave		0.8334			0.0100	2.4		20.0			
2-Nitroaniline	0.6115	0.5859	0.6127	0.5890 0.6140	0.6167	Ave		0.6050			0.0100	2.3		20.0			
1,3-Dimethylnaphthalene	0.9761	1.0042	1.0014	0.9762 1.0454	0.9847	Ave		0.9980			0.0100	2.6		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-307050-1 Analy Batch No.: 981832

SDG No.:

Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2024 06:06 Calibration End Date: 06/24/2024 09:07 Calibration ID: 97969

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Dimethyl phthalate	1.3642	1.3707	1.3337	1.3283 1.3717	1.3657	Ave		1.3557			0.0100	1.4		20.0			
Coumarin	0.2593	0.2738	0.2584	0.2530 0.2642	0.2669	Ave		0.2626			0.0100	2.8		20.0			
2,6-Dinitrotoluene	0.3154	0.2699 0.3173	0.2915 0.3077	0.3007 0.3175	0.3115	Ave		0.3039			0.2000	5.4		20.0			
Acenaphthylene	1.8607	1.8651	1.8396	1.8062 1.9016	1.8374	Ave		1.8518			0.9000	1.7		20.0			
3-Nitroaniline	0.6185	0.5965	0.6257	0.5833 0.6281	0.6133	Ave		0.6109			0.0100	2.9		20.0			
Acenaphthene	1.1405	1.1652	1.1363	1.1078 1.1369	1.1267	Ave		1.1356			0.9000	1.6		20.0			
3,5-di-tert-butyl-4-hydroxytol	0.8689	0.9372	0.9066	0.7601 0.9672	0.8256	Ave		0.8776			0.0100	8.7		20.0			
2,4-Dinitrophenol	0.1991	0.2226	0.0965 0.2254	0.1406 0.2309	0.1859	Lin2	-0.542	0.2204			0.0100				0.9940		0.9900
4-Nitrophenol	0.3579	0.3510	0.3727	0.3106 0.3706	0.3567	Ave		0.3532			0.0100	6.4		20.0			
2,4-Dinitrotoluene	0.4312	0.3621 0.4480	0.3843 0.4374	0.3954 0.4374	0.4184	Ave		0.4143			0.2000	7.4		20.0			
Dibenzofuran	1.6727	1.6765	1.6537	1.6438 1.7034	1.6569	Ave		1.6678			0.8000	1.3		20.0			
2,3,4,6-Tetrachlorophenol	0.3271	0.3520	0.3416	0.3070 0.3609	0.3272	Ave		0.3360			0.0100	5.8		20.0			
Diethyl phthalate	1.3795	1.3929	1.4070	1.4005 1.3873	1.3579	Ave		1.3875			0.0100	1.3		20.0			
Fluorene	1.3719	1.3996	1.3710	1.3477 1.3813	1.3629	Ave		1.3724			0.9000	1.3		20.0			
4-Chlorophenyl phenyl ether	0.6126	0.6225	0.5989	0.6011 0.6099	0.5972	Ave		0.6070			0.4000	1.6		20.0			
4-Nitroaniline	0.3750	0.3775	0.3741	0.3682 0.3753	0.3854	Ave		0.3759			0.0100	1.5		20.0			
4,6-Dinitro-2-methylphenol	0.1436	0.1491	0.1042 0.1485	0.1245 0.1543	0.1410	Ave		0.1379			0.0100	12.8		20.0			
N-Nitrosodiphenylamine	0.5399	0.5426	0.5396	0.5225 0.5652	0.5305	Ave		0.5401			0.0100	2.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-307050-1 Analy Batch No.: 981832

SDG No.:

Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2024 06:06 Calibration End Date: 06/24/2024 09:07 Calibration ID: 97969

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,2-Diphenylhydrazine	1.0217	0.9498	1.0019	1.0000 1.0315	0.9907	Ave		0.9993			0.0100	2.9		20.0			
Azobenzene	1.0208	0.9500	1.0017	1.0000 1.0315	0.9890	Ave		0.9988				2.8		20.0			
4-Bromophenyl phenyl ether	0.2035	0.2110	0.2135	0.1987 0.2291	0.1963	Ave		0.2087			0.1000	5.8		20.0			
Hexachlorobenzene	0.2247 0.2601	0.2311 0.2757	0.2519 0.2741	0.2580 0.2968	0.2565	Ave		0.2588			0.1000	8.6		20.0			
Atrazine	0.1963	0.1766 0.2132	0.1893 0.2122	0.1938 0.2100	0.1961	Ave		0.1984			0.0100	6.4		20.0			
Pentachlorophenol	0.1735	0.1848	0.1377 0.1881	0.1496 0.1964	0.1618	Ave		0.1703			0.0500	12.7		20.0			
Pentachloronitrobenzene	0.0827	0.0869	0.0885	0.0769 0.0910	0.0812	Ave		0.0845			0.0100	6.2		20.0			
n-Octadecane	0.8053	0.7416	0.7773	0.7718 0.7956	0.7731	Ave		0.7775			0.0100	2.8		20.0			
Phenanthrene	1.0377	1.0529	1.0413	1.0111 1.0804	1.0315	Ave		1.0425			0.7000	2.2		20.0			
Anthracene	1.0673	1.0816	1.0688	1.0270 1.1051	1.0701	Ave		1.0700			0.7000	2.4		20.0			
Carbazole	1.0175	1.0438	1.0267	0.9902 1.0498	1.0162	Ave		1.0240			0.0100	2.1		20.0			
Di-n-butyl phthalate	1.2921	1.3154	1.1817 1.2944	1.2079 1.3142	1.2660	Ave		1.2674			0.0100	4.2		20.0			
Fluoranthene	1.1318	1.1767	1.1629	1.0582 1.1798	1.1039	Ave		1.1356			0.6000	4.2		20.0			
Benzidine	0.5477	0.5162	0.5818	0.6013 0.4998	0.6171	Ave		0.5606			0.0100	8.4		20.0			
Pyrene	1.4420	1.4421	1.4028	1.4027 1.4773	1.3944	Ave		1.4269			0.6000	2.3		20.0			
Bisphenol-A	0.6103	0.6205	0.6312	0.5709 0.6520	0.5884	Ave		0.6122				4.8		20.0			
Butyl benzyl phthalate	0.6715	0.6731	0.6727	0.5999 0.7006	0.6496	Ave		0.6613			0.0100	5.2		20.0			
2,3,7,8-TCDD		0.2121				Ave		0.2121			0.0100			20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-307050-1 Analy Batch No.: 981832

SDG No.:

Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2024 06:06 Calibration End Date: 06/24/2024 09:07 Calibration ID: 97969

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Carbamazepine	0.4708	0.5235	0.5552	0.3233 0.5783	0.4129	Lin2	-1.259	0.5593			0.0100				0.9980		0.9900
3,3'-Dichlorobenzidine	0.5432	0.5546	0.4873 0.5762	0.5115 0.5404	0.5312	Ave		0.5349			0.0100	5.4		20.0			
Benzo[a]anthracene	1.4797 1.3589	1.3726 1.3832	1.3535 1.3459	1.3096 1.3871	1.3304	Ave		1.3690			0.8000	3.5		20.0			
Chrysene	1.2555	1.2516	1.2195	1.2334 1.2693	1.2220	Ave		1.2419			0.7000	1.6		20.0			
Bis(2-ethylhexyl) phthalate	0.9261	0.9297	0.9085	0.8546 0.9330	0.8794	Ave		0.9052			0.0100	3.5		20.0			
Di-n-octyl phthalate	1.4023	1.4112	1.4467	1.2856 1.5173	1.3183	Ave		1.3969			0.0100	6.1		20.0			
Benzo[b]fluoranthene	0.9843 1.1408	1.0886 1.2008	1.0997 1.2210	1.1206 1.2863	1.1344	Ave		1.1418			0.7000	7.6		20.0			
Benzo[k]fluoranthene	1.0626 1.2191	1.1585 1.2069	1.1351 1.1950	1.1549 1.2719	1.1631	Ave		1.1741			0.7000	5.0		20.0			
Benzo[a]pyrene	0.9664 1.0983	1.0045 1.1112	1.0171 1.1131	1.0224 1.1824	1.0499	Ave		1.0628			0.7000	6.4		20.0			
Indeno[1,2,3-cd]pyrene	1.0306 1.1819	1.0195 1.2487	1.0567 1.2478	1.0947 1.3756	1.0970	Ave		1.1503			0.5000	10.5		20.0			
Dibenz(a,h)anthracene	0.9667 1.1750	1.0237 1.2214	1.0537 1.2153	1.0736 1.2954	1.1017	Ave		1.1252			0.4000	9.6		20.0			
Benzo[g,h,i]perylene	0.9813 1.0864	0.9879 1.1390	1.0046 1.1067	1.0188 1.1779	1.0316	Ave		1.0594			0.5000	6.7		20.0			
2-Fluorophenol (Surr)	1.5134	1.3509 1.5593	1.4555 1.6390	1.4342 1.6175	1.5245	Ave		1.5118			0.0100	6.4		20.0			
Phenol-d5 (Surr)	1.8526 2.1724	1.9760 2.1843	2.0478 2.3244	2.0763 2.2903	2.1587	Ave		2.1203			0.0100	7.0		20.0			
Nitrobenzene-d5 (Surr)	0.4323 0.4845	0.4624 0.4821	0.4748 0.5115	0.4727 0.5091	0.4825	Ave		0.4791			0.0100	5.0		20.0			
2-Fluorobiphenyl	1.3408 1.4201	1.4356 1.4693	1.3936 1.5212	1.3933 1.5434	1.4370	Ave		1.4394			0.0100	4.4		20.0			
2,4,6-Tribromophenol (Surr)	0.2964	0.2462 0.3380	0.2661 0.3462	0.2698 0.3562	0.2914	Ave		0.3013			0.0100	13.6		20.0			
Terphenyl-d14 (Surr)	1.0314 1.2240	1.1164 1.2805	1.1858 1.2994	1.1909 1.3023	1.1876	Ave		1.2020			0.0100	7.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-307050-1 | Analy Batch No.: 981832

SDG No.:

Instrument ID: CBNAMS11 | GC Column: Rtxi-5Sil | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2024 06:06 | Calibration End Date: 06/24/2024 09:07 | Calibration ID: 97969

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 460-981832/10	Z86744.d
Level 2	STD1 460-981832/9	Z86743.d
Level 3	STD2 460-981832/8	Z86742.d
Level 4	STD5 460-981832/7	Z86741.d
Level 5	STD10 460-981832/6	Z86740.d
Level 6	STD20 460-981832/5	Z86739.d
Level 7	ICIS 460-981832/2	Z86736.d
Level 8	STD80 460-981832/4	Z86738.d
Level 9	STD120 460-981832/3	Z86737.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dioxane	DCBd4	Ave	1384 87400	3697 191387	8263 335351	20096 494425	41000	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
N-Nitrosodimethylamine	DCBd4	Ave	 146016	 332223	 611656	31789 858053	65364	 20.0	 50.0	 80.0	5.00 120	10.0
Pyridine	DCBd4	Ave	 443693	16117 943697	40046 1796119	97112 2507664	206820	 40.0	2.00 100	4.00 160	10.0 240	20.0
Benzaldehyde	DCBd4	Ave	 155527	9459 +++++	20227 +++++	49542 +++++	99393	 16.0	1.00 +++++	2.00 +++++	5.00 +++++	10.0
Phenol	DCBd4	Ave	 281841	 641099	 1220733	63631 1708979	132280	 20.0	 50.0	 80.0	5.00 120	10.0
Aniline	DCBd4	Ave	 337205	 758271	 1330755	76338 1842941	156853	 20.0	 50.0	 80.0	5.00 120	10.0
Bis(2-chloroethyl)ether	DCBd4	Ave	4780 222115	10278 483794	22321 854346	51069 1207813	104409	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2-Chlorophenol	DCBd4	Ave	 204953	 461838	 798342	46381 1140481	95331	 20.0	 50.0	 80.0	5.00 120	10.0
n-Decane	DCBd4	Ave	 333508	 687571	 1249100	81010 1738611	160784	 20.0	 50.0	 80.0	5.00 120	10.0
1,3-Dichlorobenzene	DCBd4	Ave	 199219	 461827	 796184	47135 1150845	97368	 20.0	 50.0	 80.0	5.00 120	10.0
1,4-Dichlorobenzene	DCBd4	Ave	 203677	 469415	 803473	49234 1158400	96524	 20.0	 50.0	 80.0	5.00 120	10.0
Benzyl alcohol	DCBd4	Ave	 144257	 329577	 578976	31163 811922	66586	 20.0	 50.0	 80.0	5.00 120	10.0
1,2-Dichlorobenzene	DCBd4	Ave	 193022	 441664	 761873	45303 1101203	93218	 20.0	 50.0	 80.0	5.00 120	10.0
2-Methylphenol	DCBd4	Ave	 190615	 437576	 762057	43910 1071150	87793	 20.0	 50.0	 80.0	5.00 120	10.0
2,2'-oxybis[1-chloropropane]	DCBd4	Ave				108357	214574				5.00	10.0

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FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-307050-1 | Analy Batch No.: 981832

SDG No.:

Instrument ID: CBNAMS11 | GC Column: Rtxi-5Sil | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2024 06:06 | Calibration End Date: 06/24/2024 09:07 | Calibration ID: 97969

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
			453690	945605	1713832	2323748		20.0	50.0	80.0	120	
N-Methylaniline	DCBd4	Ave	334527	766916	1330643	78486 1889394	159653	20.0	50.0	80.0	5.00 120	10.0
Acetophenone	DCBd4	Ave	310424	669886	1158751	70217 1601362	145456	20.0	50.0	80.0	5.00 120	10.0
N-Nitrosodi-n-propylamine	DCBd4	Ave	4153 195131	8537 418016	18815 656277	44098 1025145	92621	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
3 & 4 Methylphenol	DCBd4	Ave	229621	502819	879885	51391 1132694	105864	20.0	50.0	80.0	5.00 120	10.0
4-Methylphenol	DCBd4	Ave	229621	502819	879885	51391 1132694	105864	20.0	50.0	80.0	5.00 120	10.0
Hexachloroethane	DCBd4	Ave	1716 79801	3489 177283	7764 312164	18336 443551	37740	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Nitrobenzene	DCBd4	Ave	2079 104918	4096 237269	9690 406351	24171 571256	49542	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
n,n'-Dimethylaniline	DCBd4	Ave	6852 315934	14400 719961	31016 1250039	75026 1770522	151742	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Isophorone	NPT	Ave	459108	1023284	43294 1799873	105814 2497728	216120	20.0	50.0	2.00 80.0	5.00 120	10.0
2-Nitrophenol	NPT	Ave	109479	246760	422400	24089 603462	50295	20.0	50.0	80.0	5.00 120	10.0
2,4-Dimethylphenol	NPT	Ave	151509	342725	610396	34395 858599	71667	20.0	50.0	80.0	5.00 120	10.0
Bis(2-chloroethoxy)methane	NPT	Ave	276318	609214	1055436	63089 1477362	131225	20.0	50.0	80.0	5.00 120	10.0
Benzoic acid	NPT	Lin2	121287	294841	566308	17169 786233	51121	20.0	50.0	80.0	5.00 120	10.0
2,4-Dichlorophenol	NPT	Ave	152253	350370	13806 591868	33887 843574	70767	20.0	50.0	2.00 80.0	5.00 120	10.0
1,2,4-Trichlorobenzene	NPT	Ave	3522 157529	7233 365393	15516 617735	37222 886864	73954	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Naphthalene	NPT	Ave	574207	1304271	2230670	137203 3101252	270910	20.0	50.0	80.0	5.00 120	10.0
4-Chloroaniline	NPT	Ave	250570	563610	954499	58437 1331245	118220	20.0	50.0	80.0	5.00 120	10.0
2,6-Dichlorophenol	NPT	Ave	146747	343689	13815 579148	33956 819623	69010	20.0	50.0	2.00 80.0	5.00 120	10.0
Hexachlorobutadiene	NPT	Ave	82410	3846 190289	8368 322464	18984 467824	38192	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Caprolactam	NPT	Ave	49572	2373 64718	5226 99011	13921 122144	30809	16.0	1.00 20.0	2.00 24.0	5.00 32.0	10.0

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FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-307050-1 | Analy Batch No.: 981832

SDG No.:

Instrument ID: CBNAMS11 | GC Column: Rtxi-5Sil | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2024 06:06 | Calibration End Date: 06/24/2024 09:07 | Calibration ID: 97969

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
4-Chloro-3-methylphenol	NPT	Ave	171427	392968	675266	38185 946919	80059	20.0	50.0	80.0	5.00 120	10.0
2-Methylnaphthalene	NPT	Ave	386401	872634	1498377	86753 2112241	179765	20.0	50.0	80.0	5.00 120	10.0
1-Methylnaphthalene	NPT	Ave	348901	794744	1364973	80587 1918105	167079	20.0	50.0	80.0	5.00 120	10.0
Hexachlorocyclopentadiene	ANT	Ave	90149	194869	343231	19983 469438	41022	20.0	50.0	80.0	5.00 120	10.0
1,2,4,5-Tetrachlorobenzene	ANT	Ave	156145	374280	623474	35274 889412	73786	20.0	50.0	80.0	5.00 120	10.0
2-tertbutyl-4-methylphenol	NPT	Ave	220283	527923	899011	51119 1268051	108499	20.0	50.0	80.0	5.00 120	10.0
2,4,6-Trichlorophenol	ANT	Ave	108148	256990	10009 422518	23937 600936	50959	20.0	50.0	2.00 80.0	5.00 120	10.0
2,4,5-Trichlorophenol	ANT	Ave	117059	273462	453645	27221 637900	54722	20.0	50.0	80.0	5.00 120	10.0
1,1'-Biphenyl	ANT	Ave	440459	1031490	1720199	103229 2400659	211304	20.0	50.0	80.0	5.00 120	10.0
2-Chloronaphthalene	ANT	Ave	335057	765595	1277016	78657 1794060	160537	20.0	50.0	80.0	5.00 120	10.0
Phenyl ether	ANT	Ave	230458	554305	917191	54267 1277314	112630	20.0	50.0	80.0	5.00 120	10.0
2-Nitroaniline	ANT	Ave	172692	381115	676956	39342 910382	83864	20.0	50.0	80.0	5.00 120	10.0
1,3-Dimethylnaphthalene	ANT	Ave	275667	653192	1106385	65204 1549987	133916	20.0	50.0	80.0	5.00 120	10.0
Dimethyl phthalate	ANT	Ave	385280	891522	1473600	88721 2033823	185727	20.0	50.0	80.0	5.00 120	10.0
Coumarin	NPT	Ave	141049	336626	558268	32617 771241	69709	20.0	50.0	80.0	5.00 120	10.0
2,6-Dinitrotoluene	ANT	Ave	89074	3531 206382	8032 339957	20082 470739	42364	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Acenaphthylene	ANT	Ave	525510	1213090	2032510	120638 2819516	249878	20.0	50.0	80.0	5.00 120	10.0
3-Nitroaniline	ANT	Ave	174676	387954	691256	38957 931242	83409	20.0	50.0	80.0	5.00 120	10.0
Acenaphthene	ANT	Ave	322117	757915	1255446	73994 1685746	153236	20.0	50.0	80.0	5.00 120	10.0
3,5-di-tert-butyl-4-hydroxytol	ANT	Ave	245396	609562	1001702	50768 1434129	112279	20.0	50.0	80.0	5.00 120	10.0
2,4-Dinitrophenol	ANT	Lin2			5320	18785	50567			4.00	10.0	20.0

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FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-307050-1 | Analy Batch No.: 981832

SDG No.:

Instrument ID: CBNAMS11 | GC Column: Rtxi-5Sil | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2024 06:06 | Calibration End Date: 06/24/2024 09:07 | Calibration ID: 97969

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
			112445	289592	498016	684685		40.0	100	160	240	
4-Nitrophenol	ANT	Ave	202131	456594	823456	41496 1099038	97014	40.0	100	160	10.0 240	20.0
2,4-Dinitrotoluene	ANT	Ave	121784	4736 291370	10587 483300	26412 648561	56902	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Dibenzofuran	ANT	Ave	472401	1090462	1827142	109791 2525644	225330	20.0	50.0	80.0	5.00 120	10.0
2,3,4,6-Tetrachlorophenol	ANT	Ave	92389	228946	377420	20508 535112	44493	20.0	50.0	80.0	5.00 120	10.0
Diethyl phthalate	ANT	Ave	389608	906002	1554511	93538 2056926	184673	20.0	50.0	80.0	5.00 120	10.0
Fluorene	ANT	Ave	387469	910324	1514784	90015 2048115	185351	20.0	50.0	80.0	5.00 120	10.0
4-Chlorophenyl phenyl ether	ANT	Ave	173000	404926	661705	40150 904258	81219	20.0	50.0	80.0	5.00 120	10.0
4-Nitroaniline	ANT	Ave	105908	245532	413312	24594 556531	52416	20.0	50.0	80.0	5.00 120	10.0
4,6-Dinitro-2-methylphenol	PHN	Ave	148696	363208	10475 600469	30458 823043	71437	40.0	100	4.00 160	10.0 240	20.0
N-Nitrosodiphenylamine	PHN	Ave	279454	661073	1090728	63929 1507829	134425	20.0	50.0	80.0	5.00 120	10.0
1,2-Diphenylhydrazine	PHN	Ave	528833	1157197	2025136	122357 2751715	251032	20.0	50.0	80.0	5.00 120	10.0
Azobenzene	PHN	Ave	528352	1157401	2024671	122357 2751715	250599	20.0	50.0	80.0	5.00 120	10.0
4-Bromophenyl phenyl ether	PHN	Ave	105321	257059	431633	24312 611217	49737	20.0	50.0	80.0	5.00 120	10.0
Hexachlorobenzene	PHN	Ave	2703 134607	5616 335856	12663 553953	31567 791673	64993	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Atrazine	PHN	Ave	81265	4292 103915	9517 128669	23712 149396	49694	16.0	1.00 20.0	2.00 24.0	5.00 32.0	10.0
Pentachlorophenol	PHN	Ave	179586	450311	13840 760505	36608 1047837	81972	40.0	100	4.00 160	10.0 240	20.0
Pentachloronitrobenzene	PHN	Ave	42809	105876	178821	9412 242856	20577	20.0	50.0	80.0	5.00 120	10.0
n-Octadecane	PHN	Ave	416820	903481	1571117	94432 2122506	195889	20.0	50.0	80.0	5.00 120	10.0
Phenanthrene	PHN	Ave	537133	1282787	2104824	123709 2882138	261358	20.0	50.0	80.0	5.00 120	10.0
Anthracene	PHN	Ave	552446	1317742	2160409	125656 2948107	271126	20.0	50.0	80.0	5.00 120	10.0

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FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-307050-1 | Analy Batch No.: 981832

SDG No.:

Instrument ID: CBNAMS11 | GC Column: Rtxi-5Sil | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2024 06:06 | Calibration End Date: 06/24/2024 09:07 | Calibration ID: 97969

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Carbazole	PHN	Ave	526648	1271732	2075218	121158 2800382	257489	20.0	50.0	80.0	5.00 120	10.0
Di-n-butyl phthalate	PHN	Ave	668784	1602554	59396 2616451	147795 3505793	320766	20.0	50.0	2.00 80.0	5.00 120	10.0
Fluoranthene	PHN	Ave	585842	1433549	2350608	129476 3147266	279707	20.0	50.0	80.0	5.00 120	10.0
Benzidine	PHN	Ave	283513	628865	1176073	73565 1333290	156350	20.0	50.0	80.0	5.00 120	10.0
Pyrene	CRY	Ave	602735	1474769	2380786	136847 3192745	295922	20.0	50.0	80.0	5.00 120	10.0
Bisphenol-A	CRY	Ave	255119	634507	1071217	55701 1409200	124868	20.0	50.0	80.0	5.00 120	10.0
Butyl benzyl phthalate	CRY	Ave	280684	688382	1141754	58525 1514092	137869	20.0	50.0	80.0	5.00 120	10.0
2,3,7,8-TCDD	CRY	Ave		2169					0.500			
Carbamazepine	CRY	Lin2	196774	535316	942278	31537 1249806	87618	20.0	50.0	80.0	5.00 120	10.0
3,3'-Dichlorobenzidine	CRY	Ave	227073	567127	19595 977953	49902 1167829	112738	20.0	50.0	2.00 80.0	5.00 120	10.0
Benzo[a]anthracene	CRY	Ave	14438 567992	26950 1414527	54425 2284168	127768 2997854	282342	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Chrysene	CRY	Ave	524775	1279952	2069686	120326 2743136	259333	20.0	50.0	80.0	5.00 120	10.0
Bis(2-ethylhexyl) phthalate	CRY	Ave	387083	950759	1541864	83375 2016328	186627	20.0	50.0	80.0	5.00 120	10.0
Di-n-octyl phthalate	PRY	Ave	666288	1675540	2765020	139840 3629401	322821	20.0	50.0	80.0	5.00 120	10.0
Benzo[b]fluoranthene	PRY	Ave	11124 542019	24379 1425711	51726 2333611	121892 3076993	277800	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[k]fluoranthene	PRY	Ave	12009 579218	25943 1432906	53389 2283977	125618 3042488	284812	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[a]pyrene	PRY	Ave	10922 521840	22494 1319310	47841 2127302	111212 2828453	257108	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Indeno[1,2,3-cd]pyrene	PRY	Ave	11647 561568	22831 1482504	49701 2384794	119068 3290582	268643	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Dibenz(a,h)anthracene	PRY	Ave	10925 558299	22925 1450174	49561 2322773	116775 3098555	269792	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[g,h,i]perylene	PRY	Ave	11090 516171	22123 1352370	47251 2115216	110818 2817684	252622	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2-Fluorophenol (Surr)	DCBd4	Ave		8271	19353	45880	96767		1.00	2.00	5.00	10.0

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FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-307050-1 | Analy Batch No.: 981832

SDG No.:

Instrument ID: CBNAMS11 | GC Column: Rtxi-5Sil | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2024 06:06 | Calibration End Date: 06/24/2024 09:07 | Calibration ID: 97969

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
			200717	478713	876511	1197405		20.0	50.0	80.0	120	
Phenol-d5 (Surr)	DCBd4	Ave	5700 288107	12098 670612	27229 1243097	66420 1695436	137022	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Nitrobenzene-d5 (Surr)	NPT	Ave	5427 263593	11584 592720	25502 1105002	60939 1485912	125994	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2-Fluorobiphenyl	ANT	Ave	8827 401059	18779 955702	38395 1680658	93061 2288471	195435	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2,4,6-Tribromophenol (Surr)	ANT	Ave	 83718	3221 219838	7330 382477	18020 528192	39626	 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Terphenyl-d14 (Surr)	CRY	Ave	10064 511606	21919 1309510	47682 2205326	116184 2814648	252034	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0

Curve Type Legend:

Ave = Average ISTD
Lin2 = Linear 1/conc^2 ISTD

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FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Edison Job No.: 460-307050-1 Analy Batch No.: 981832

SDG No.:

Instrument ID: CBNAMS11 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2024 06:06 Calibration End Date: 06/24/2024 09:07 Calibration ID: 97969

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 460-981832/10	Z86744.d
Level 2	STD1 460-981832/9	Z86743.d
Level 3	STD2 460-981832/8	Z86742.d
Level 4	STD5 460-981832/7	Z86741.d
Level 5	STD10 460-981832/6	Z86740.d
Level 6	STD20 460-981832/5	Z86739.d
Level 7	ICIS 460-981832/2	Z86736.d
Level 8	STD80 460-981832/4	Z86738.d
Level 9	STD120 460-981832/3	Z86737.d

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4	LVL 5	LVL 6
Benzoic acid				1.1						30		
2,4-Dinitrophenol			5.3						30			
Carbamazepine				2.8						30		

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Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS11\20240624-177537.b\Z86736.d
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 7
Inject. Date: 24-Jun-2024 06:06:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0177528-002
Operator ID: Instrument ID: CBNAMS11
Sublist: chrom-8270_11R_9*sub51

Method: \\chromfs\Edison\ChromData\CBNAMS11\20240624-177537.b\8270_11R_9.m
Limit Group: SV 8270E ICAL
Last Update: 24-Jun-2024 10:02:29 Calib Date: 24-Jun-2024 09:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS11\20240624-177537.b\Z86744.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1642

First Level Reviewer: G4KC Date: 24-Jun-2024 06:32:10

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.617	1.617	0.000	98	191387	50.0	50.8	
	2 N-Nitrosodimethylamine	74	1.831	1.831	0.000	87	332223	50.0	49.9	
	3 Pyridine	79	1.857	1.857	0.000	88	943697	100.0	98.0	
$	4 2-Fluorophenol	112	2.917	2.917	0.000	92	478713	50.0	51.6	
	5 Benzaldehyde	77	3.760	3.760	0.000	95	99883	20.0	10.6	
$	6 Phenol-d5	99	3.827	3.827	0.000	97	670612	50.0	51.5	
	7 Phenol	94	3.843	3.843	0.000	97	641099	50.0	48.6	
	8 Aniline	93	3.865	3.865	0.000	99	758271	50.0	49.9	
	9 Bis(2-chloroethyl)ether	93	3.935	3.935	0.000	92	483794	50.0	48.5	
	11 2-Chlorophenol	128	3.980	3.980	0.000	92	461838	50.0	49.9	
	12 n-Decane	43	4.031	4.031	0.000	96	687571	50.0	46.3	
	13 1,3-Dichlorobenzene	146	4.130	4.130	0.000	93	461827	50.0	49.8	
*	14 1,4-Dichlorobenzene-d4	152	4.184	4.184	0.000	97	245610	40.0	40.0	
	15 1,4-Dichlorobenzene	146	4.201	4.201	0.000	93	469415	50.0	49.9	
	16 Benzyl alcohol	108	4.322	4.322	0.000	92	329577	50.0	50.6	
	17 1,2-Dichlorobenzene	146	4.347	4.347	0.000	94	441664	50.0	49.7	
	18 2-Methylphenol	108	4.434	4.434	0.000	85	437576	50.0	50.4	
	19 2,2'-oxybis[1-chloropropane]	45	4.453	4.453	0.000	93	945605	50.0	47.1	
	20 N-Methylaniline	106	4.574	4.574	0.000	96	766916	50.0	49.9	a
	22 Acetophenone	105	4.584	4.584	0.000	97	669886	50.0	49.1	
	23 3 & 4 Methylphenol	108	4.590	4.590	0.000	82	502819	50.0	50.0	
	24 4-Methylphenol	108	4.590	4.590	0.000	89	502819	50.0	50.0	
	21 N-Nitrosodi-n-propylamine	70	4.590	4.590	0.000	91	418016	50.0	49.2	
	25 Hexachloroethane	117	4.677	4.677	0.000	95	177283	50.0	49.6	
$	26 Nitrobenzene-d5	82	4.728	4.728	0.000	90	592720	50.0	50.3	
	28 n,n'-Dimethylaniline	120	4.750	4.750	0.000	88	719961	50.0	50.0	
	27 Nitrobenzene	123	4.750	4.750	0.000	89	237269	50.0	51.9	
	31 Isophorone	82	4.986	4.986	0.000	99	1023284	50.0	50.1	
	32 2-Nitrophenol	139	5.054	5.054	0.000	86	246760	50.0	50.9	
	33 2,4-Dimethylphenol	122	5.105	5.105	0.000	90	342725	50.0	49.9	
	34 Bis(2-chloroethoxy)methane	93	5.201	5.201	0.000	96	609214	50.0	49.7	

DRAFT

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.236	5.236	0.000	93	294841	50.0	47.9	
36 2,4-Dichlorophenol	162	5.290	5.290	0.000	94	350370	50.0	52.0	
37 1,2,4-Trichlorobenzene	180	5.370	5.370	0.000	94	365393	50.0	51.3	
* 38 Naphthalene-d8	136	5.424	5.424	0.000	99	983467	40.0	40.0	
39 Naphthalene	128	5.444	5.444	0.000	99	1304271	50.0	50.4	
40 4-Chloroaniline	127	5.504	5.504	0.000	96	563610	50.0	50.5	
133 2,6-Dichlorophenol	162	5.507	5.507	0.000	94	343689	50.0	52.0	
41 Hexachlorobutadiene	225	5.565	5.565	0.000	96	190289	50.0	50.8	
42 Caprolactam	113	5.910	5.910	0.000	88	64718	20.0	21.6	M
43 4-Chloro-3-methylphenol	107	5.983	5.983	0.000	98	392968	50.0	51.2	
44 2-Methylnaphthalene	142	6.114	6.114	0.000	84	872634	50.0	50.7	
45 1-Methylnaphthalene	142	6.207	6.207	0.000	92	794744	50.0	50.5	
46 Hexachlorocyclopentadiene	237	6.265	6.265	0.000	97	194869	50.0	48.7	
47 1,2,4,5-Tetrachlorobenzene	216	6.274	6.274	0.000	97	374280	50.0	51.3	
48 2-tertbutyl-4-methylphenol	149	6.322	6.322	0.000	91	527923	50.0	51.6	
49 2,4,6-Trichlorophenol	196	6.389	6.389	0.000	89	256990	50.0	51.9	
50 2,4,5-Trichlorophenol	196	6.421	6.421	0.000	96	273462	50.0	50.7	
$ 51 2-Fluorobiphenyl	172	6.473	6.473	0.000	96	955702	50.0	51.0	
52 1,1'-Biphenyl	154	6.568	6.568	0.000	97	1031490	50.0	50.5	
53 2-Chloronaphthalene	162	6.581	6.581	0.000	98	765595	50.0	49.8	
54 Phenyl ether	170	6.671	6.671	0.000	92	554305	50.0	51.1	
55 2-Nitroaniline	65	6.687	6.687	0.000	94	381115	50.0	48.4	
57 1,3-Dimethylnaphthalene	156	6.792	6.792	0.000	92	653192	50.0	50.3	
58 Dimethyl phthalate	163	6.875	6.875	0.000	98	891522	50.0	50.6	
59 Coumarin	146	6.885	6.885	0.000	81	336626	50.0	52.1	
60 2,6-Dinitrotoluene	165	6.927	6.927	0.000	92	206382	50.0	52.2	
63 Acenaphthylene	152	6.978	6.978	0.000	96	1213090	50.0	50.4	
64 3-Nitroaniline	65	7.083	7.083	0.000	92	387954	50.0	48.8	
* 65 Acenaphthene-d10	164	7.112	7.112	0.000	96	520346	40.0	40.0	
67 Acenaphthene	154	7.144	7.144	0.000	97	757915	50.0	51.3	
66 3,5-di-tert-butyl-4-hydroxytol	205	7.147	7.147	0.000	98	609562	50.0	53.4	
68 2,4-Dinitrophenol	184	7.189	7.189	0.000	90	289592	100.0	103.5	
69 4-Nitrophenol	65	7.259	7.259	0.000	92	456594	100.0	99.4	
70 2,4-Dinitrotoluene	165	7.310	7.310	0.000	86	291370	50.0	54.1	
71 Dibenzofuran	168	7.310	7.310	0.000	95	1090462	50.0	50.3	
72 2,3,4,6-Tetrachlorophenol	232	7.429	7.429	0.000	94	228946	50.0	52.4	
73 Diethyl phthalate	149	7.553	7.553	0.000	97	906002	50.0	50.2	
74 Fluorene	166	7.636	7.636	0.000	94	910324	50.0	51.0	
75 4-Chlorophenyl phenyl ether	204	7.643	7.643	0.000	92	404926	50.0	51.3	
76 4-Nitroaniline	138	7.675	7.675	0.000	96	245532	50.0	50.2	
77 4,6-Dinitro-2-methylphenol	198	7.704	7.704	0.000	79	363208	100.0	108.1	
78 N-Nitrosodiphenylamine	169	7.761	7.761	0.000	74	661073	50.0	50.2	
134 Azobenzene	77	7.796	7.796	0.000	98	1157401	50.0	47.6	
79 1,2-Diphenylhydrazine	77	7.796	7.796	0.000	51	1157197	50.0	47.5	
$ 80 2,4,6-Tribromophenol	330	7.867	7.867	0.000	94	219838	50.0	56.1	
81 4-Bromophenyl phenyl ether	248	8.110	8.110	0.000	88	257059	50.0	50.6	
82 Hexachlorobenzene	284	8.158	8.158	0.000	95	335856	50.0	53.3	
83 Atrazine	200	8.279	8.279	0.000	85	103915	20.0	21.5	
84 Pentachlorophenol	266	8.353	8.353	0.000	96	450311	100.0	108.5	
85 Pentachloronitrobenzene	237	8.362	8.362	0.000	90	105876	50.0	51.4	
86 n-Octadecane	57	8.455	8.455	0.000	93	903481	50.0	47.7	
* 87 Phenanthrene-d10	188	8.529	8.529	0.000	98	974651	40.0	40.0	

DRAFT

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
88 Phenanthrene	178	8.551	8.551	0.000	98	1282787	50.0	50.5	
89 Anthracene	178	8.599	8.599	0.000	97	1317742	50.0	50.5	
90 Carbazole	167	8.759	8.759	0.000	96	1271732	50.0	51.0	
91 Di-n-butyl phthalate	149	9.110	9.110	0.000	99	1602554	50.0	51.9	
92 Fluoranthene	202	9.682	9.682	0.000	96	1433549	50.0	51.8	
93 Benzidine	184	9.823	9.823	0.000	99	628865	50.0	46.0	
94 Pyrene	202	9.896	9.896	0.000	95	1474769	50.0	50.5	
95 Bisphenol-A	213	9.964	9.964	0.000	98	634507	50.0	50.7	
$ 96 Terphenyl-d14	244	10.063	10.063	0.000	97	1309510	50.0	53.3	
97 Butyl benzyl phthalate	149	10.571	10.571	0.000	97	688382	50.0	50.9	
98 2,3,7,8-TCDD	320	10.632	10.632	0.000	93	2169	0.5000	0.5000	
99 Carbamazepine	193	10.667	10.667	0.000	93	535316	50.0	49.0	
100 3,3'-Dichlorobenzidine	252	11.130	11.130	0.000	99	567127	50.0	51.8	
101 Benzo[a]anthracene	228	11.143	11.143	0.000	100	1414527	50.0	50.5	
* 102 Chrysene-d12	240	11.156	11.156	0.000	98	818108	40.0	40.0	
103 Chrysene	228	11.188	11.188	0.000	97	1279952	50.0	50.4	
104 Bis(2-ethylhexyl) phthalate	149	11.227	11.227	0.000	90	950759	50.0	51.4	
105 Di-n-octyl phthalate	149	12.054	12.054	0.000	97	1675540	50.0	50.5	
106 Benzo[b]fluoranthene	252	12.489	12.489	0.000	98	1425711	50.0	52.6	
107 Benzo[k]fluoranthene	252	12.531	12.531	0.000	98	1432906	50.0	51.4	
108 Benzo[a]pyrene	252	12.930	12.930	0.000	95	1319310	50.0	52.3	
* 109 Perylene-d12	264	13.007	13.007	0.000	98	949828	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.533	14.533	0.000	98	1482504	50.0	54.3	
111 Dibenz(a,h)anthracene	278	14.578	14.578	0.000	98	1450174	50.0	54.3	
112 Benzo[g,h,i]perylene	276	14.946	14.946	0.000	97	1352370	50.0	53.8	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SV_BNA_L7_00007 Amount Added: 1.00 Units: mL

DRAFT

Report Date: 24-Jun-2024 10:02:31 Chrom Revision: 2.3 23-Jun-2024 11:08:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS11\20240624-177537.b\Z86736.d

Injection Date: 24-Jun-2024 06:06:30 Instrument ID: CBNAMS11 Operator ID:

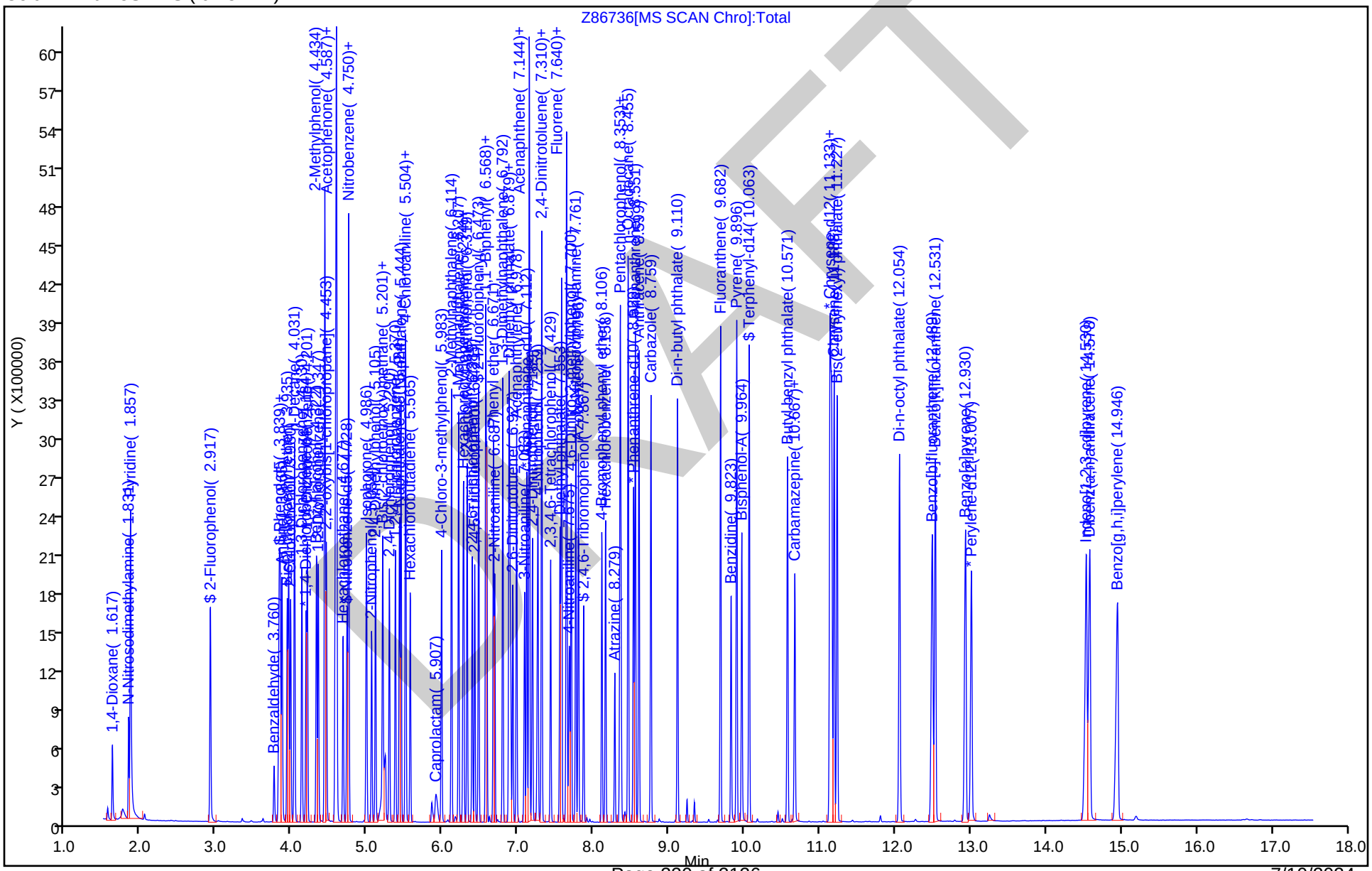
Lims ID: ICIS Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 2

Method: 8270_11R_9 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

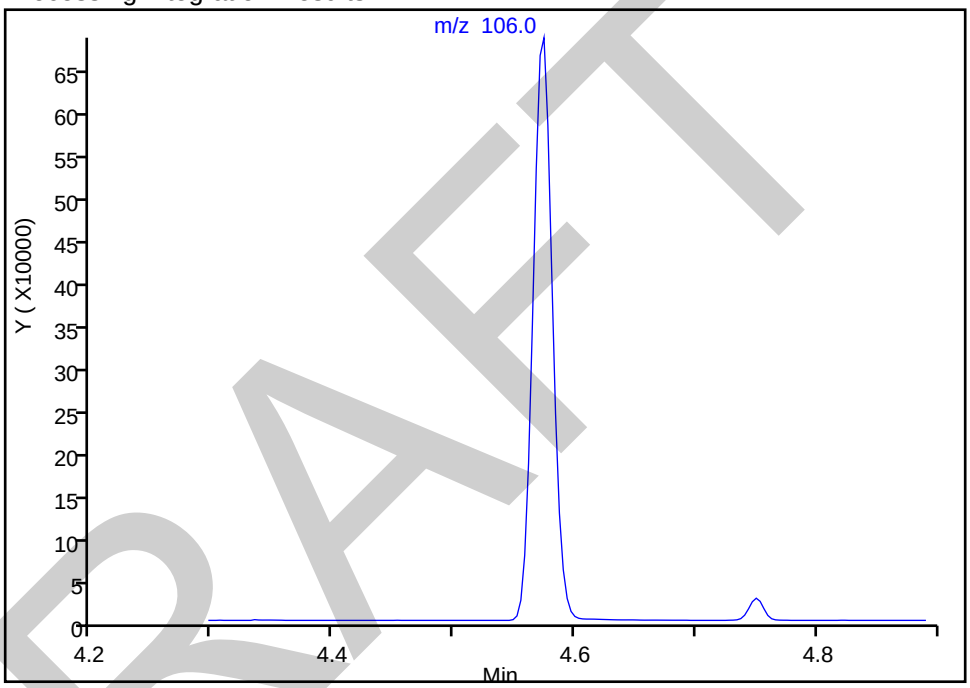
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Injection Date:	24-Jun-2024 06:06:30	Instrument ID:	CBNAMS11		
Lims ID:	ICIS				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

20 N-Methylaniline, CAS: 100-61-8

Signal: 1

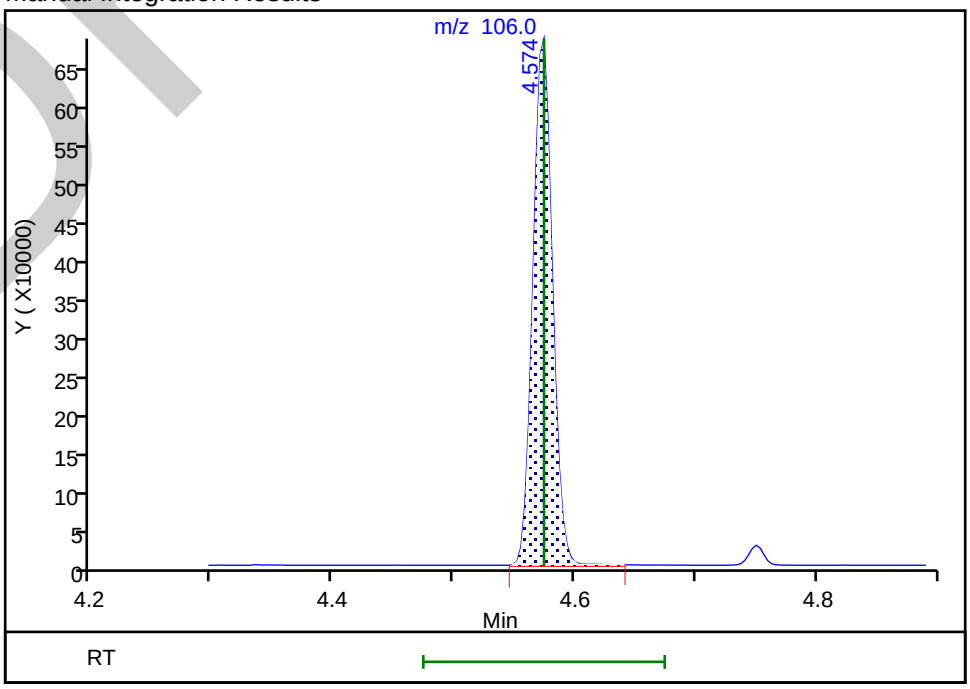
Not Detected
Expected RT: 4.57

Processing Integration Results



Manual Integration Results

RT: 4.57
Area: 766916
Amount: 49.861794
Amount Units: ug/ml



Reviewer: G4KC, 24-Jun-2024 06:31:08 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

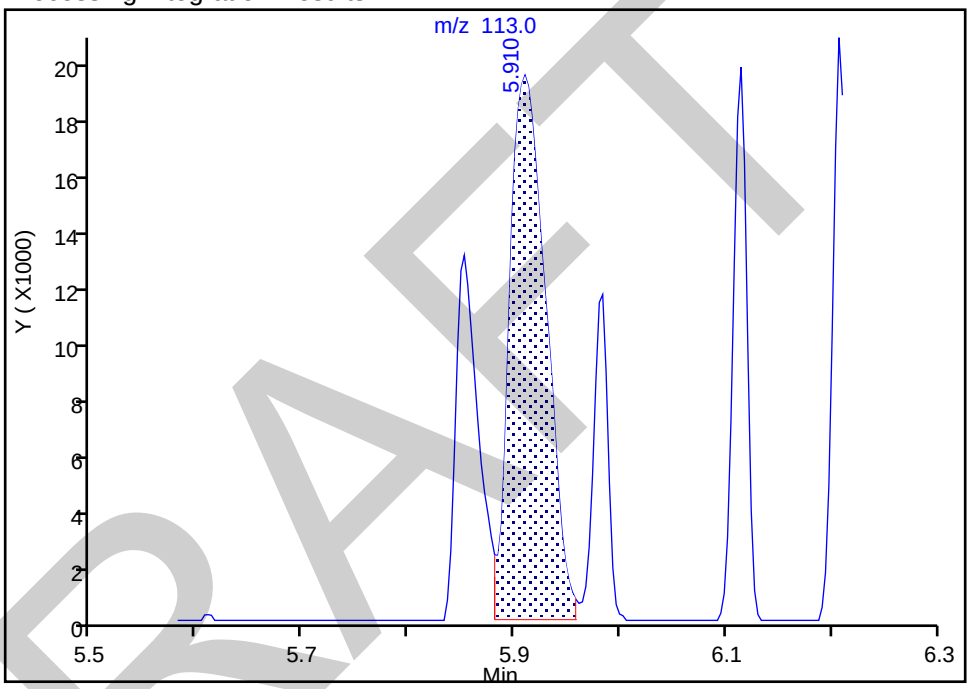
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Injection Date: 24-Jun-2024 06:06:30 Instrument ID: CBNAMS11
Lims ID: ICIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_11R_9 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

42 Caprolactam, CAS: 105-60-2

Signal: 1

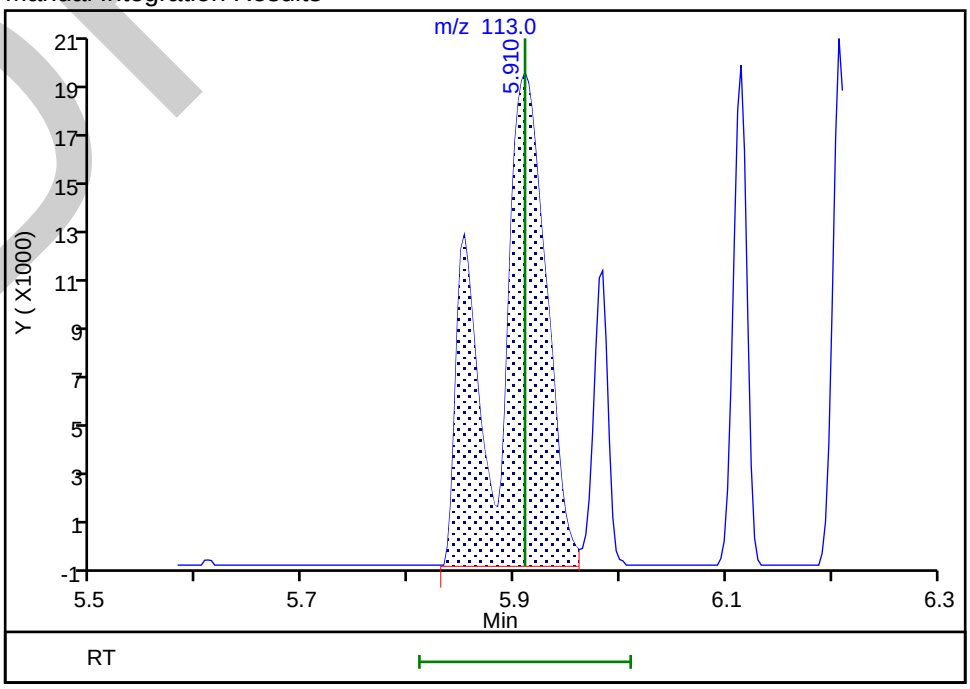
Processing Integration Results

RT: 5.91
Area: 45874
Amount: 20.000000
Amount Units: ug/ml



Manual Integration Results

RT: 5.91
Area: 64718
Amount: 21.637638
Amount Units: ug/ml



Reviewer: G4KC, 24-Jun-2024 06:31:41 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

DRAFT

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS11\20240624-177537.b\Z86737.d
Lims ID: STD120
Client ID:
Sample Type: IC Calib Level: 9
Inject. Date: 24-Jun-2024 06:28:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0177528-003
Operator ID: Instrument ID: CBNAMS11
Sublist: chrom-8270_11R_9*sub51

Method: \\chromfs\Edison\ChromData\CBNAMS11\20240624-177537.b\8270_11R_9.m
Limit Group: SV 8270E ICAL
Last Update: 24-Jun-2024 10:02:33 Calib Date: 24-Jun-2024 09:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS11\20240624-177537.b\Z86744.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1642

First Level Reviewer: G4KC Date: 24-Jun-2024 07:03:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.611	1.617	-0.006	97	494425	120.0	130.5	
2 N-Nitrosodimethylamine	74	1.835	1.831	0.003	86	858053	120.0	128.2	
3 Pyridine	79	1.857	1.857	0.000	87	2507664	240.0	259.1	
$ 4 2-Fluorophenol	112	2.920	2.917	0.003	90	1197405	120.0	128.4	
5 Benzaldehyde	77	3.763	3.760	0.003	93	67301	32.0	7.13	
$ 6 Phenol-d5	99	3.846	3.827	0.019	93	1695436	120.0	129.6	
7 Phenol	94	3.859	3.843	0.016	97	1708979	120.0	129.1	
8 Aniline	93	3.872	3.865	0.007	92	1842941	120.0	120.7	a
9 Bis(2-chloroethyl)ether	93	3.945	3.935	0.010	92	1207813	120.0	120.4	
11 2-Chlorophenol	128	3.987	3.980	0.007	92	1140481	120.0	122.8	
12 n-Decane	43	4.035	4.031	0.004	95	1738611	120.0	116.6	
13 1,3-Dichlorobenzene	146	4.134	4.130	0.004	93	1150845	120.0	123.6	
* 14 1,4-Dichlorobenzene-d4	152	4.188	4.184	0.004	97	246759	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.207	4.201	0.007	92	1158400	120.0	122.6	
16 Benzyl alcohol	108	4.335	4.322	0.013	91	811922	120.0	124.1	
17 1,2-Dichlorobenzene	146	4.351	4.347	0.004	94	1101203	120.0	123.2	
18 2-Methylphenol	108	4.444	4.434	0.010	89	1071150	120.0	122.7	
19 2,2'-oxybis[1-chloropropane]	45	4.460	4.453	0.007	94	2323748	120.0	115.2	a
20 N-Methylaniline	106	4.581	4.574	0.007	96	1889394	120.0	122.3	a
22 Acetophenone	105	4.597	4.584	0.013	96	1601362	120.0	116.8	
23 3 & 4 Methylphenol	108	4.607	4.590	0.017	72	1132694	120.0	112.2	
24 4-Methylphenol	108	4.607	4.590	0.017	93	1132694	120.0	112.2	
21 N-Nitrosodi-n-propylamine	70	4.607	4.590	0.017	92	1025145	120.0	120.2	M
25 Hexachloroethane	117	4.677	4.677	0.000	95	443551	120.0	123.5	
$ 26 Nitrobenzene-d5	82	4.741	4.728	0.013	90	1485912	120.0	127.5	
27 Nitrobenzene	123	4.763	4.750	0.013	90	571256	120.0	124.3	
28 n,n'-Dimethylaniline	120	4.763	4.750	0.013	92	1770522	120.0	122.4	
31 Isophorone	82	5.003	4.986	0.017	99	2497728	120.0	123.5	
32 2-Nitrophenol	139	5.061	5.054	0.006	85	603462	120.0	125.8	
33 2,4-Dimethylphenol	122	5.115	5.105	0.010	90	858599	120.0	126.4	
34 Bis(2-chloroethoxy)methane	93	5.211	5.201	0.010	95	1477362	120.0	121.9	

DRAFT

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.297	5.236	0.061	92	786233	120.0	124.9	
36 2,4-Dichlorophenol	162	5.300	5.290	0.010	93	843574	120.0	126.5	
37 1,2,4-Trichlorobenzene	180	5.374	5.370	0.004	94	886864	120.0	125.9	
* 38 Naphthalene-d8	136	5.428	5.424	0.004	99	972890	40.0	40.0	
39 Naphthalene	128	5.451	5.444	0.007	98	3101252	120.0	121.2	
40 4-Chloroaniline	127	5.511	5.504	0.007	93	1331245	120.0	120.6	
133 2,6-Dichlorophenol	162	5.515	5.507	0.008	93	819623	120.0	125.3	
41 Hexachlorobutadiene	225	5.569	5.565	0.004	96	467824	120.0	126.3	
42 Caprolactam	113	5.987	5.910	0.077	88	122144	32.0	41.3	M
43 4-Chloro-3-methylphenol	107	5.987	5.983	0.004	98	946919	120.0	124.6	
44 2-Methylnaphthalene	142	6.119	6.114	0.005	85	2112241	120.0	124.1	
45 1-Methylnaphthalene	142	6.211	6.207	0.004	93	1918105	120.0	123.2	
46 Hexachlorocyclopentadiene	237	6.269	6.265	0.004	98	469438	120.0	123.4	
47 1,2,4,5-Tetrachlorobenzene	216	6.282	6.274	0.008	97	889412	120.0	128.4	
48 2-tertbutyl-4-methylphenol	149	6.327	6.322	0.005	91	1268051	120.0	125.3	
49 2,4,6-Trichlorophenol	196	6.394	6.389	0.005	88	600936	120.0	127.9	
50 2,4,5-Trichlorophenol	196	6.429	6.421	0.008	95	637900	120.0	124.6	
$ 51 2-Fluorobiphenyl	172	6.480	6.473	0.007	96	2288471	120.0	128.7	
52 1,1'-Biphenyl	154	6.573	6.568	0.005	98	2400659	120.0	123.7	
53 2-Chloronaphthalene	162	6.589	6.581	0.008	97	1794060	120.0	122.9	
54 Phenyl ether	170	6.675	6.671	0.004	91	1277314	120.0	124.0	
55 2-Nitroaniline	65	6.698	6.687	0.011	93	910382	120.0	121.8	
57 1,3-Dimethylnaphthalene	156	6.800	6.792	0.008	92	1549987	120.0	125.7	
58 Dimethyl phthalate	163	6.890	6.875	0.015	98	2033823	120.0	121.4	
59 Coumarin	146	6.896	6.885	0.011	81	771241	120.0	120.7	
60 2,6-Dinitrotoluene	165	6.941	6.927	0.014	91	470739	120.0	125.3	
63 Acenaphthylene	152	6.986	6.978	0.008	96	2819516	120.0	123.2	
64 3-Nitroaniline	65	7.097	7.083	0.014	92	931242	120.0	123.4	
* 65 Acenaphthene-d10	164	7.114	7.112	0.002	96	494241	40.0	40.0	
67 Acenaphthene	154	7.152	7.144	0.008	97	1685746	120.0	120.1	
66 3,5-di-tert-butyl-4-hydroxytol	205	7.152	7.147	0.005	90	1434129	120.0	132.3	
68 2,4-Dinitrophenol	184	7.203	7.189	0.014	90	684685	240.0	253.9	
69 4-Nitrophenol	65	7.277	7.259	0.018	92	1099038	240.0	251.8	
70 2,4-Dinitrotoluene	165	7.325	7.310	0.015	91	648561	120.0	126.7	
71 Dibenzofuran	168	7.318	7.310	0.008	97	2525644	120.0	122.6	
72 2,3,4,6-Tetrachlorophenol	232	7.437	7.429	0.008	94	535112	120.0	128.9	
73 Diethyl phthalate	149	7.565	7.553	0.012	98	2056926	120.0	120.0	
74 Fluorene	166	7.645	7.636	0.009	94	2048115	120.0	120.8	
75 4-Chlorophenyl phenyl ether	204	7.648	7.643	0.005	89	904258	120.0	120.6	
76 4-Nitroaniline	138	7.706	7.675	0.031	98	556531	120.0	119.8	
77 4,6-Dinitro-2-methylphenol	198	7.722	7.704	0.018	78	823043	240.0	268.5	
78 N-Nitrosodiphenylamine	169	7.773	7.761	0.012	78	1507829	120.0	125.6	
134 Azobenzene	77	7.805	7.796	0.009	98	2751715	120.0	123.9	
79 1,2-Diphenylhydrazine	77	7.805	7.796	0.009	51	2751715	120.0	123.9	
$ 80 2,4,6-Tribromophenol	330	7.875	7.867	0.008	94	528192	120.0	141.9	
81 4-Bromophenyl phenyl ether	248	8.115	8.110	0.005	88	611217	120.0	131.7	
82 Hexachlorobenzene	284	8.163	8.158	0.005	94	791673	120.0	137.6	
83 Atrazine	200	8.288	8.279	0.009	83	149396	32.0	33.9	
84 Pentachlorophenol	266	8.361	8.353	0.008	96	1047837	240.0	276.8	
85 Pentachloronitrobenzene	237	8.371	8.362	0.009	91	242856	120.0	129.2	
86 n-Octadecane	57	8.461	8.455	0.006	93	2122506	120.0	122.8	
* 87 Phenanthrene-d10	188	8.531	8.529	0.002	98	889221	40.0	40.0	

DRAFT

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
88 Phenanthrene	178	8.560	8.551	0.009	98	2882138	120.0	124.4	
89 Anthracene	178	8.608	8.599	0.009	97	2948107	120.0	123.9	
90 Carbazole	167	8.768	8.759	0.009	96	2800382	120.0	123.0	
91 Di-n-butyl phthalate	149	9.116	9.110	0.006	99	3505793	120.0	124.4	
92 Fluoranthene	202	9.689	9.682	0.007	96	3147266	120.0	124.7	
93 Benzidine	184	9.829	9.823	0.006	99	1333290	120.0	107.0	
94 Pyrene	202	9.903	9.896	0.007	95	3192745	120.0	124.2	
95 Bisphenol-A	213	9.973	9.964	0.009	98	1409200	120.0	127.8	
$ 96 Terphenyl-d14	244	10.066	10.063	0.003	98	2814648	120.0	130.0	
97 Butyl benzyl phthalate	149	10.575	10.571	0.004	97	1514092	120.0	127.1	
99 Carbamazepine	193	10.684	10.667	0.017	93	1249806	120.0	126.3	
100 3,3'-Dichlorobenzidine	252	11.144	11.130	0.014	99	1167829	120.0	121.2	
101 Benzo[a]anthracene	228	11.154	11.143	0.011	100	2997854	120.0	121.6	
* 102 Chrysene-d12	240	11.166	11.156	0.010	99	720406	40.0	40.0	
103 Chrysene	228	11.202	11.188	0.014	97	2743136	120.0	122.6	
104 Bis(2-ethylhexyl) phthalate	149	11.234	11.227	0.008	90	2016328	120.0	123.7	
105 Di-n-octyl phthalate	149	12.065	12.054	0.011	96	3629401	120.0	130.3	
106 Benzo[b]fluoranthene	252	12.507	12.489	0.018	97	3076993	120.0	135.2	
107 Benzo[k]fluoranthene	252	12.548	12.531	0.017	98	3042488	120.0	130.0	
108 Benzo[a]pyrene	252	12.948	12.930	0.018	95	2828453	120.0	133.5	
* 109 Perylene-d12	264	13.015	13.007	0.008	97	797352	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.558	14.533	0.025	99	3290582	120.0	143.5	
111 Dibenz(a,h)anthracene	278	14.606	14.578	0.028	97	3098555	120.0	138.2	
112 Benzo[g,h,i]perylene	276	14.977	14.946	0.031	98	2817684	120.0	133.4	
S 119 Total Cresols	1				0			234.9	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SV_BNA_L9_00006 Amount Added: 1.00 Units: mL

DRAFT

Report Date: 24-Jun-2024 10:02:35 Chrom Revision: 2.3 23-Jun-2024 11:08:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS11\20240624-177537.b\Z86737.d

Injection Date: 24-Jun-2024 06:28:30 Instrument ID: CBNAMS11 Operator ID:

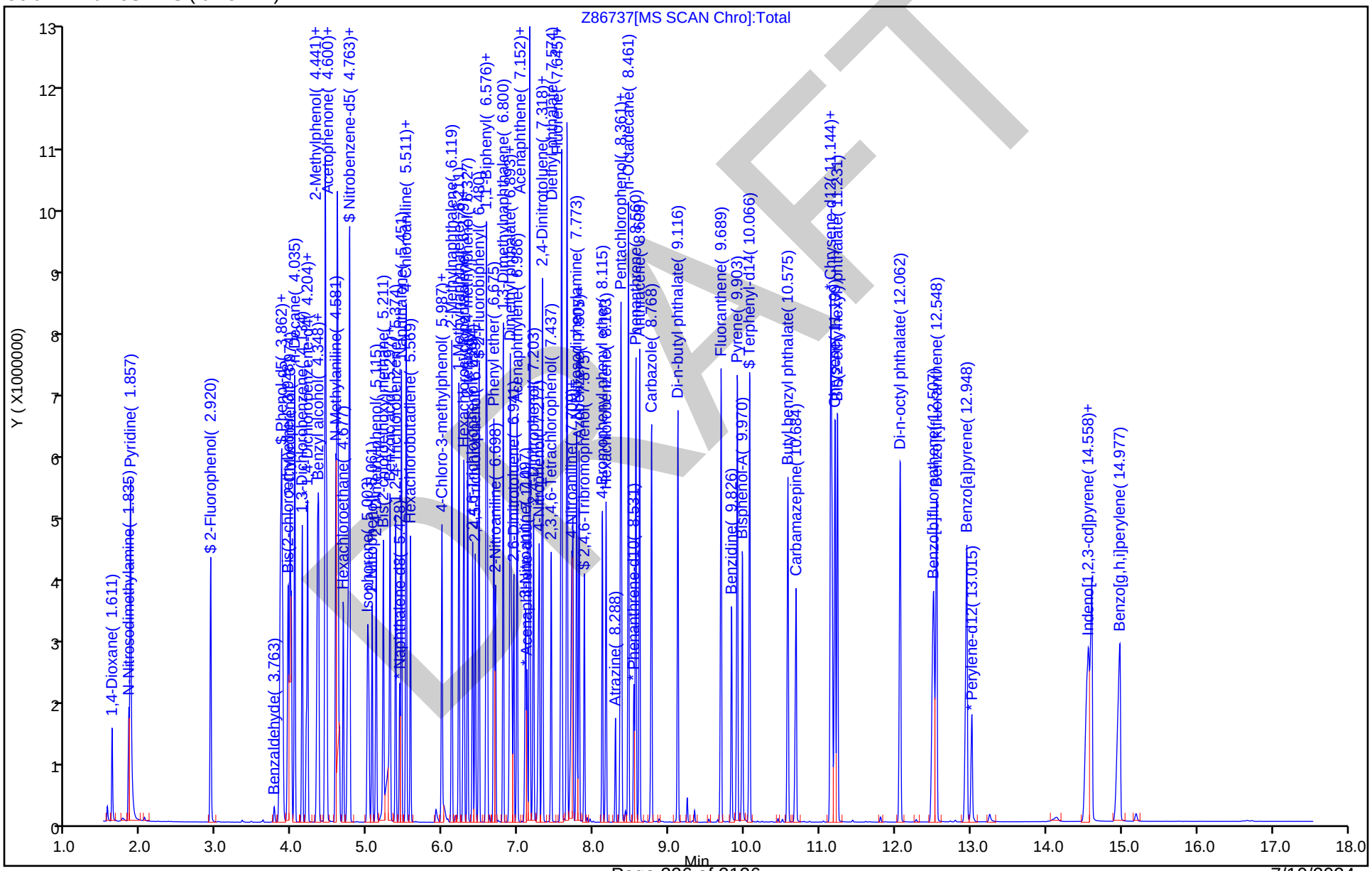
Lims ID: STD120 Worklist Smp#: 3

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 3

Method: 8270_11R_9 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

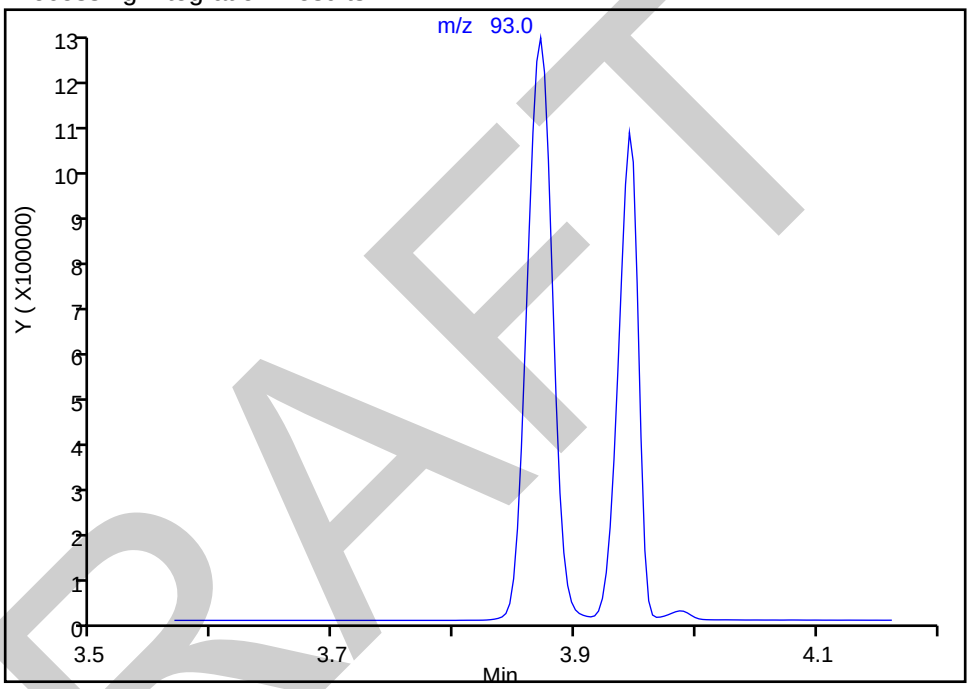
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Injection Date: 24-Jun-2024 06:28:30 Instrument ID: CBNAMS11
Lims ID: STD120
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_11R_9 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

8 Aniline, CAS: 62-53-3

Signal: 1

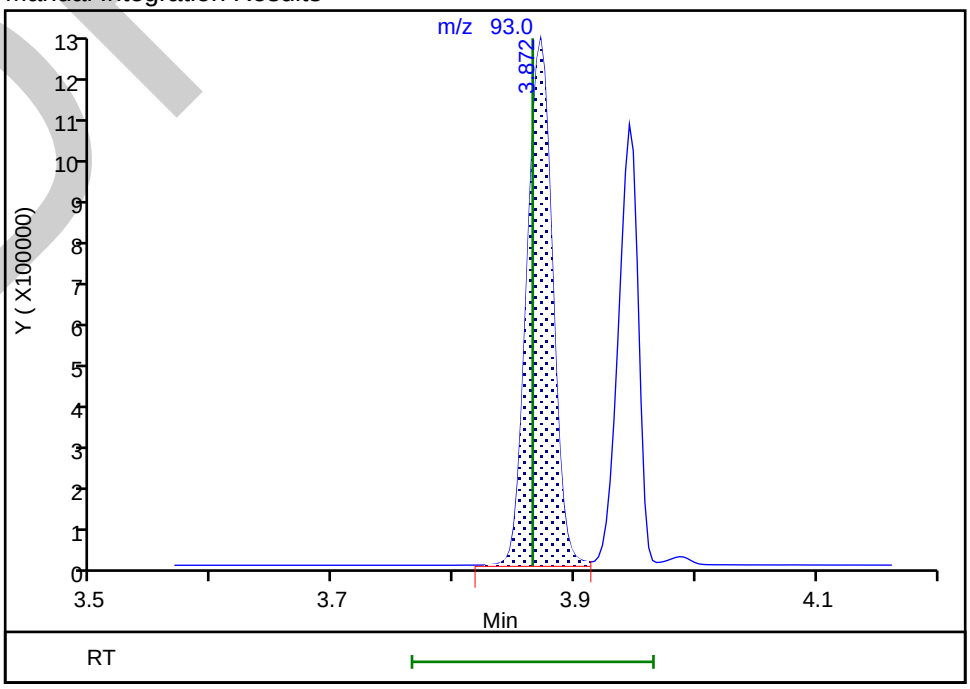
Not Detected
Expected RT: 3.86

Processing Integration Results



Manual Integration Results

RT: 3.87
Area: 1842941
Amount: 120.7227
Amount Units: ug/ml



Reviewer: G4KC, 24-Jun-2024 07:02:10 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

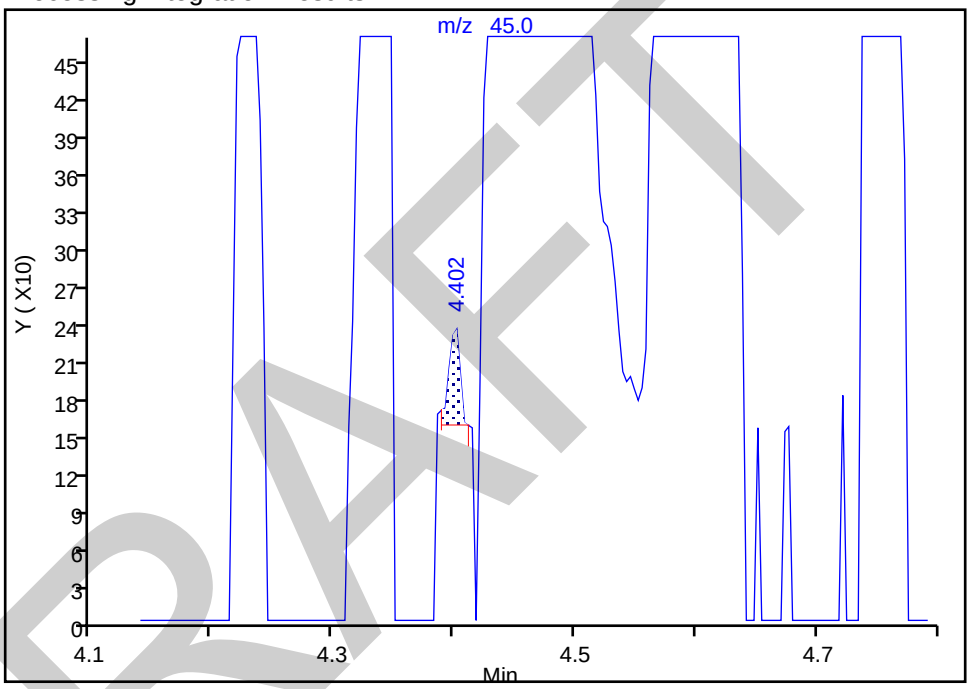
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Lims ID: STD120
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_11R_9 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

19 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Signal: 1

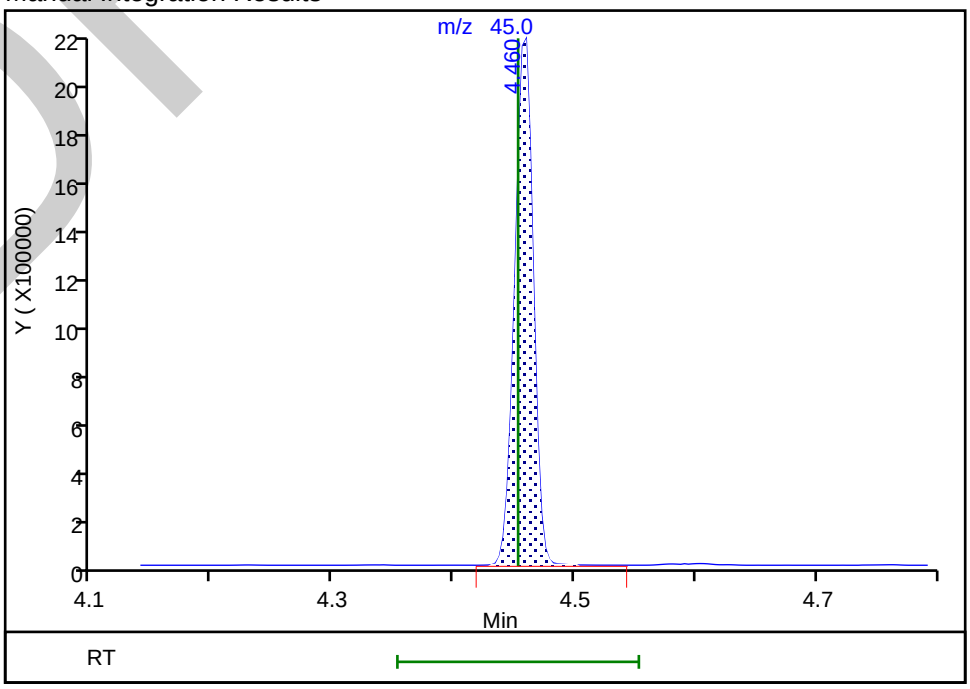
Processing Integration Results

RT: 4.40
Area: 50
Amount: 0.005263
Amount Units: ug/ml



Manual Integration Results

RT: 4.46
Area: 2323748
Amount: 115.2386
Amount Units: ug/ml



Reviewer: G4KC, 24-Jun-2024 07:03:38 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

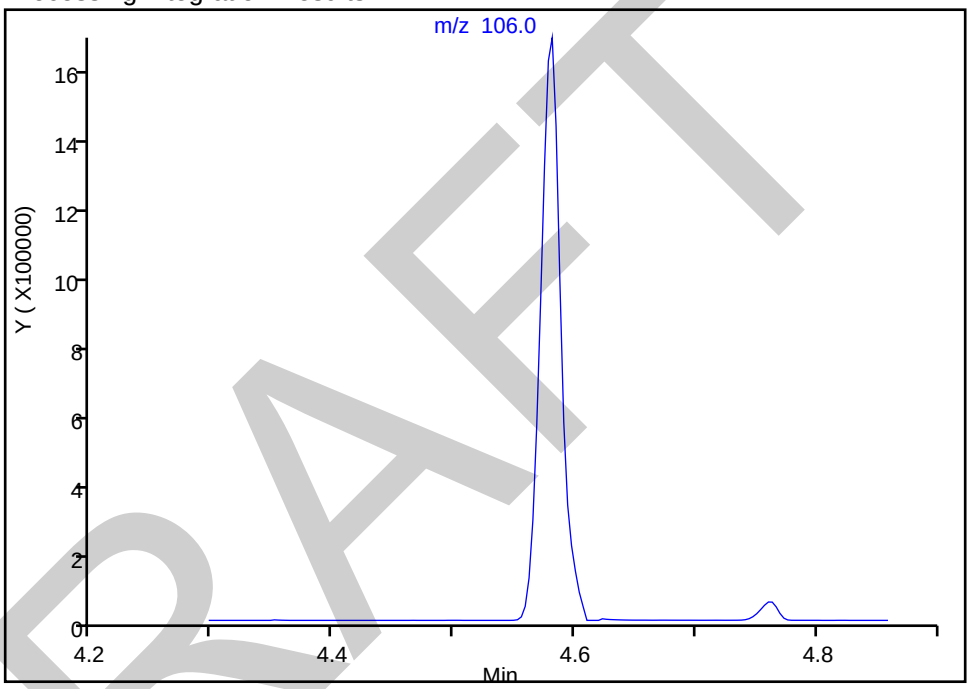
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Injection Date: 24-Jun-2024 06:28:30 Instrument ID: CBNAMS11
Lims ID: STD120
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_11R_9 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

20 N-Methylaniline, CAS: 100-61-8

Signal: 1

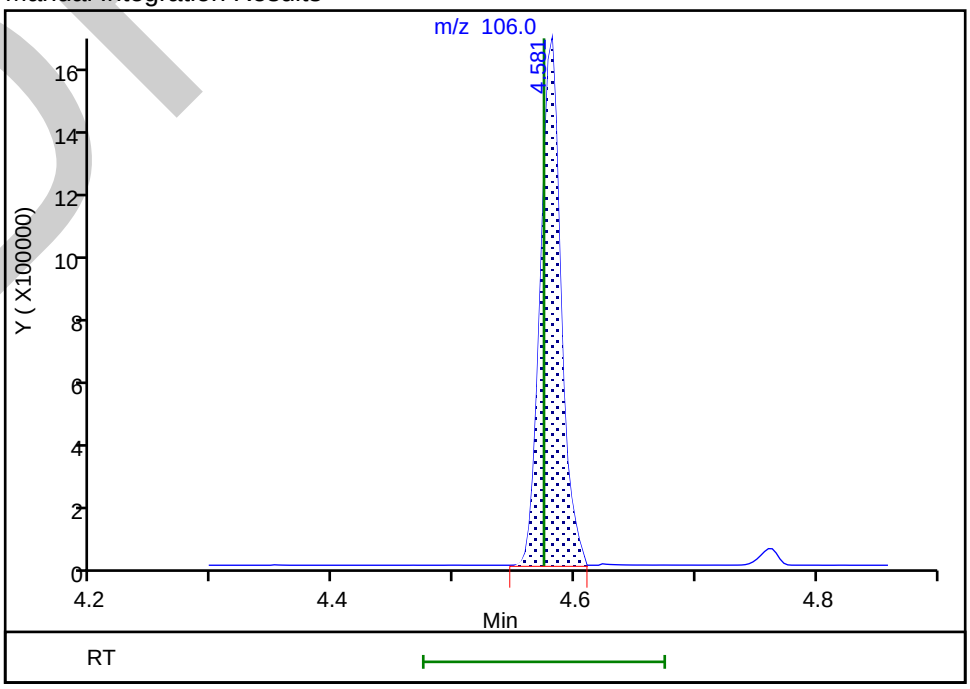
Not Detected
Expected RT: 4.57

Processing Integration Results



Manual Integration Results

RT: 4.58
Area: 1889394
Amount: 122.2688
Amount Units: ug/ml



Reviewer: G4KC, 24-Jun-2024 07:02:36 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

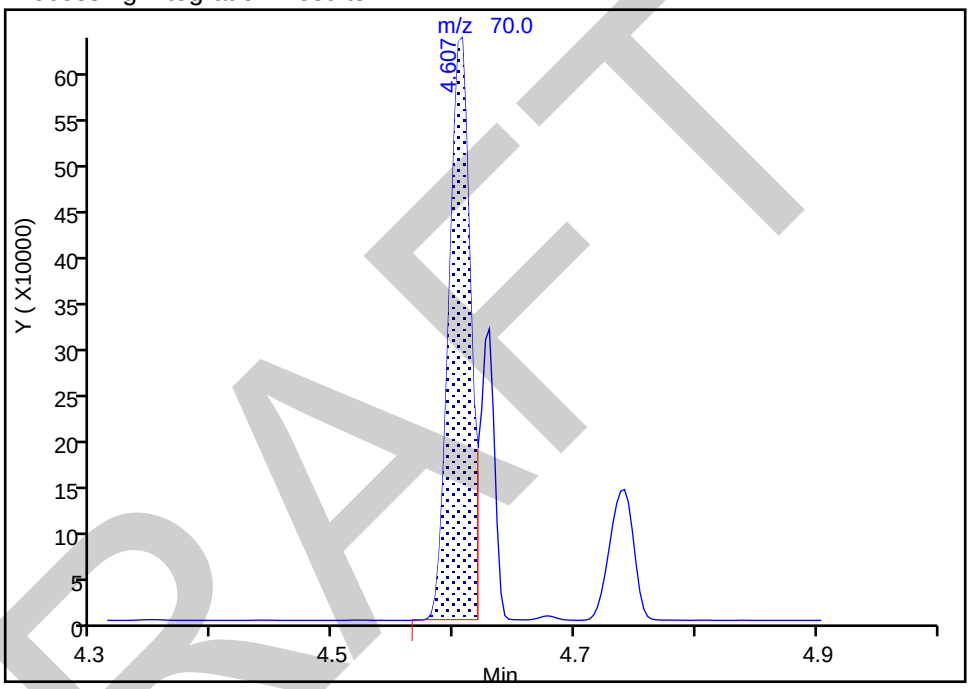
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Injection Date: 24-Jun-2024 06:28:30 Instrument ID: CBNAMS11
Lims ID: STD120
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_11R_9 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

21 N-Nitrosodi-n-propylamine, CAS: 621-64-7

Signal: 1

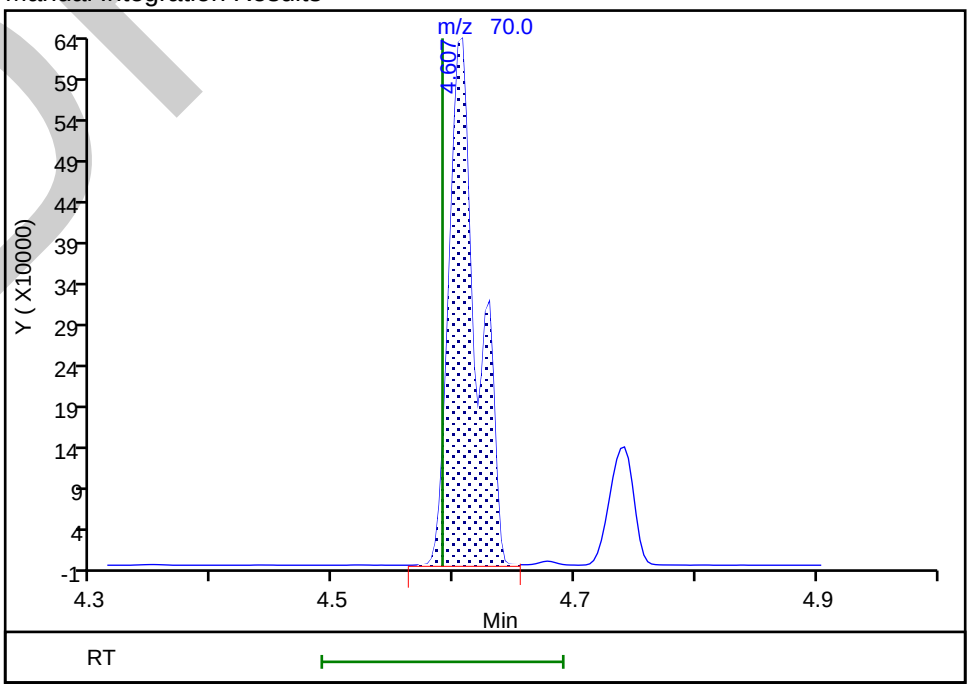
Processing Integration Results

RT: 4.61
Area: 790290
Amount: 120.0000
Amount Units: ug/ml



Manual Integration Results

RT: 4.61
Area: 1025145
Amount: 120.2084
Amount Units: ug/ml



Reviewer: G4KC, 24-Jun-2024 07:03:08 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

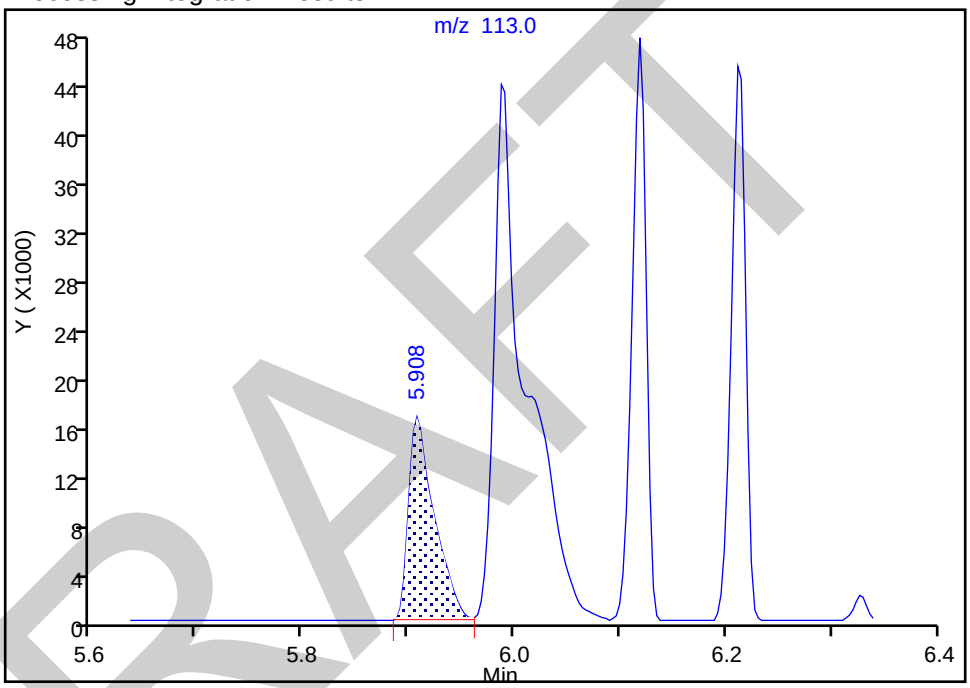
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Injection Date:	24-Jun-2024 06:28:30	Instrument ID:	CBNAMS11		
Lims ID:	STD120				
Client ID:					
Operator ID:		ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

42 Caprolactam, CAS: 105-60-2

Signal: 1

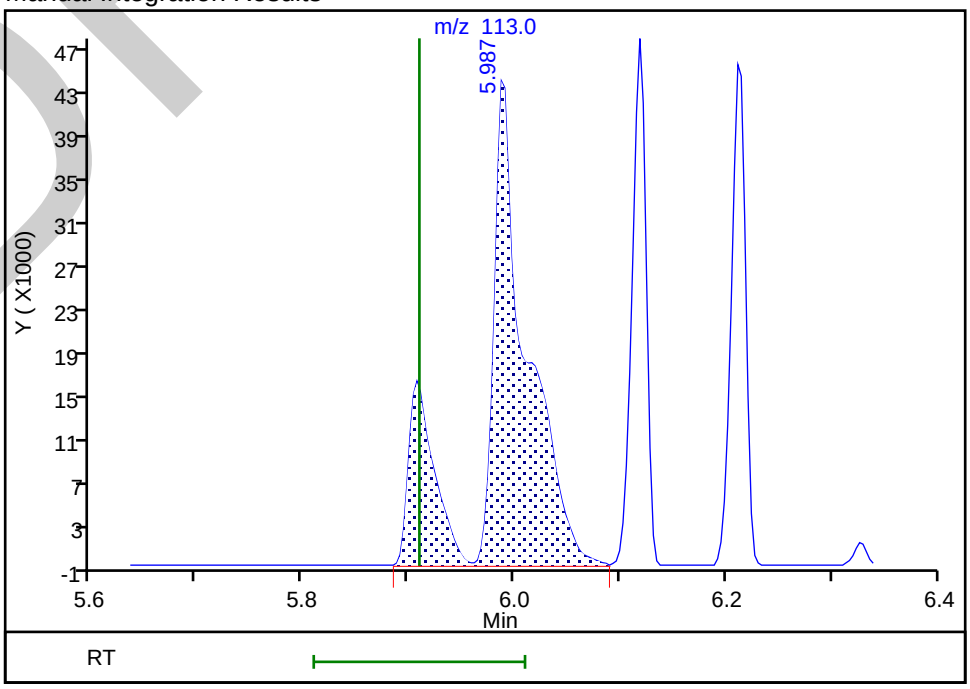
Processing Integration Results

RT: 5.91
Area: 28395
Amount: 32.000000
Amount Units: ug/ml



Manual Integration Results

RT: 5.99
Area: 122144
Amount: 41.281261
Amount Units: ug/ml



Reviewer: G4KC, 24-Jun-2024 07:02:26 -04:00:00 (UTC)

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

DRAFT

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS11\20240624-177537.b\Z86738.d
Lims ID: STD80
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 24-Jun-2024 06:51:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0177537-004
Operator ID: Instrument ID: CBNAMS11
Sublist: chrom-8270_11R_9*sub51

Method: \\chromfs\Edison\ChromData\CBNAMS11\20240624-177537.b\8270_11R_9.m
Limit Group: SV 8270E ICAL
Last Update: 24-Jun-2024 10:02:38 Calib Date: 24-Jun-2024 09:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS11\20240624-177537.b\Z86744.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1642

First Level Reviewer: G4KC Date: 24-Jun-2024 07:14:33

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.617	1.617	0.000	96	335351	80.0	81.7	
2 N-Nitrosodimethylamine	74	1.838	1.831	0.007	86	611656	80.0	84.3	
3 Pyridine	79	1.860	1.857	0.003	86	1796119	160.0	171.2	
$ 4 2-Fluorophenol	112	2.920	2.917	0.003	90	876511	80.0	86.7	
5 Benzaldehyde	77	3.763	3.760	0.003	93	95723	24.0	9.36	
$ 6 Phenol-d5	99	3.836	3.827	0.009	95	1243097	80.0	87.7	
7 Phenol	94	3.852	3.843	0.009	97	1220733	80.0	85.1	
8 Aniline	93	3.868	3.865	0.003	98	1330755	80.0	80.4	
9 Bis(2-chloroethyl)ether	93	3.942	3.935	0.007	91	854346	80.0	78.6	
11 2-Chlorophenol	128	3.983	3.980	0.003	92	798342	80.0	79.3	
12 n-Decane	43	4.034	4.031	0.003	95	1249100	80.0	77.3	
13 1,3-Dichlorobenzene	146	4.130	4.130	0.000	93	796184	80.0	78.9	
* 14 1,4-Dichlorobenzene-d4	152	4.188	4.184	0.004	97	267396	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.204	4.201	0.004	91	803473	80.0	78.5	
16 Benzyl alcohol	108	4.332	4.322	0.010	91	578976	80.0	81.7	
17 1,2-Dichlorobenzene	146	4.348	4.347	0.001	94	761873	80.0	78.7	
18 2-Methylphenol	108	4.437	4.434	0.003	90	762057	80.0	80.6	
19 2,2'-oxybis[1-chloropropane]	45	4.456	4.453	0.003	93	1713832	80.0	78.4	a
20 N-Methylaniline	106	4.578	4.574	0.004	93	1330643	80.0	79.5	a
22 Acetophenone	105	4.590	4.584	0.006	95	1158751	80.0	78.0	
23 3 & 4 Methylphenol	108	4.600	4.590	0.010	67	879885	80.0	80.4	
24 4-Methylphenol	108	4.600	4.590	0.010	93	879885	80.0	80.4	
21 N-Nitrosodi-n-propylamine	70	4.597	4.590	0.007	89	656277	80.0	71.0	
25 Hexachloroethane	117	4.677	4.677	0.000	94	312164	80.0	80.2	
$ 26 Nitrobenzene-d5	82	4.734	4.728	0.006	91	1105002	80.0	85.4	
28 n,n'-Dimethylaniline	120	4.757	4.750	0.007	84	1250039	80.0	79.7	
27 Nitrobenzene	123	4.757	4.750	0.007	92	406351	80.0	81.6	
31 Isophorone	82	4.996	4.986	0.010	99	1799873	80.0	80.2	
32 2-Nitrophenol	139	5.057	5.054	0.003	83	422400	80.0	79.3	
33 2,4-Dimethylphenol	122	5.111	5.105	0.006	90	610396	80.0	81.0	
34 Bis(2-chloroethoxy)methane	93	5.207	5.201	0.006	95	1055436	80.0	78.4	

DRAFT

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.274	5.236	0.038	92	566308	80.0	81.9	
36 2,4-Dichlorophenol	162	5.293	5.290	0.003	93	591868	80.0	80.0	
37 1,2,4-Trichlorobenzene	180	5.370	5.370	0.000	94	617735	80.0	79.0	
* 38 Naphthalene-d8	136	5.425	5.424	0.001	99	1080165	40.0	40.0	
39 Naphthalene	128	5.447	5.444	0.003	98	2230670	80.0	78.5	
40 4-Chloroaniline	127	5.508	5.504	0.004	95	954499	80.0	77.9	
133 2,6-Dichlorophenol	162	5.511	5.507	0.004	92	579148	80.0	79.7	
41 Hexachlorobutadiene	225	5.569	5.565	0.004	96	322464	80.0	78.4	
42 Caprolactam	113	5.984	5.910	0.074	87	99011	24.0	30.1	M
43 4-Chloro-3-methylphenol	107	5.984	5.983	0.001	98	675266	80.0	80.0	
44 2-Methylnaphthalene	142	6.115	6.114	0.001	84	1498377	80.0	79.3	
45 1-Methylnaphthalene	142	6.211	6.207	0.004	93	1364973	80.0	78.9	
46 Hexachlorocyclopentadiene	237	6.268	6.265	0.003	97	343231	80.0	80.7	
47 1,2,4,5-Tetrachlorobenzene	216	6.278	6.274	0.004	97	623474	80.0	80.5	
48 2-tertbutyl-4-methylphenol	149	6.326	6.322	0.004	90	899011	80.0	80.0	
49 2,4,6-Trichlorophenol	196	6.390	6.389	0.001	87	422518	80.0	80.4	
50 2,4,5-Trichlorophenol	196	6.425	6.421	0.004	94	453645	80.0	79.3	
$ 51 2-Fluorobiphenyl	172	6.476	6.473	0.003	96	1680658	80.0	84.5	
52 1,1'-Biphenyl	154	6.572	6.568	0.004	98	1720199	80.0	79.3	
53 2-Chloronaphthalene	162	6.585	6.581	0.004	98	1277016	80.0	78.3	
54 Phenyl ether	170	6.671	6.671	0.000	92	917191	80.0	79.7	
55 2-Nitroaniline	65	6.694	6.687	0.007	93	676956	80.0	81.0	
57 1,3-Dimethylnaphthalene	156	6.796	6.792	0.004	91	1106385	80.0	80.3	
58 Dimethyl phthalate	163	6.886	6.875	0.011	98	1473600	80.0	78.7	
59 Coumarin	146	6.892	6.885	0.007	79	558268	80.0	78.7	
60 2,6-Dinitrotoluene	165	6.934	6.927	0.007	90	339957	80.0	81.0	
63 Acenaphthylene	152	6.982	6.978	0.004	96	2032510	80.0	79.5	
64 3-Nitroaniline	65	7.090	7.083	0.007	90	691256	80.0	81.9	
* 65 Acenaphthene-d10	164	7.113	7.112	0.001	96	552429	40.0	40.0	
67 Acenaphthene	154	7.148	7.144	0.004	98	1255446	80.0	80.0	
66 3,5-di-tert-butyl-4-hydroxytol	205	7.148	7.147	0.001	91	1001702	80.0	82.6	
68 2,4-Dinitrophenol	184	7.196	7.189	0.007	89	498016	160.0	166.1	
69 4-Nitrophenol	65	7.270	7.259	0.011	92	823456	160.0	168.8	
70 2,4-Dinitrotoluene	165	7.318	7.310	0.008	84	483300	80.0	84.5	
71 Dibenzofuran	168	7.314	7.310	0.004	97	1827142	80.0	79.3	
72 2,3,4,6-Tetrachlorophenol	232	7.433	7.429	0.004	93	377420	80.0	81.3	
73 Diethyl phthalate	149	7.561	7.553	0.007	97	1554511	80.0	81.1	
74 Fluorene	166	7.641	7.636	0.005	94	1514784	80.0	79.9	
75 4-Chlorophenyl phenyl ether	204	7.647	7.643	0.004	91	661705	80.0	78.9	
76 4-Nitroaniline	138	7.692	7.675	0.017	97	413312	80.0	79.6	
77 4,6-Dinitro-2-methylphenol	198	7.714	7.704	0.010	79	600469	160.0	172.4	
78 N-Nitrosodiphenylamine	169	7.769	7.761	0.008	71	1090728	80.0	79.9	
134 Azobenzene	77	7.801	7.796	0.005	98	2024671	80.0	80.2	
79 1,2-Diphenylhydrazine	77	7.801	7.796	0.005	51	2025136	80.0	80.2	
$ 80 2,4,6-Tribromophenol	330	7.871	7.867	0.004	95	382477	80.0	91.9	
81 4-Bromophenyl phenyl ether	248	8.111	8.110	0.001	86	431633	80.0	81.9	
82 Hexachlorobenzene	284	8.159	8.158	0.001	95	553953	80.0	84.7	
83 Atrazine	200	8.283	8.279	0.004	83	128669	24.0	25.7	
84 Pentachlorophenol	266	8.357	8.353	0.004	96	760505	160.0	176.8	
85 Pentachloronitrobenzene	237	8.363	8.362	0.001	91	178821	80.0	83.7	
86 n-Octadecane	57	8.460	8.455	0.005	94	1571117	80.0	80.0	
* 87 Phenanthrene-d10	188	8.530	8.529	0.001	98	1010655	40.0	40.0	

DRAFT

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
88 Phenanthrene	178	8.556	8.551	0.005	98	2104824	80.0	79.9	
89 Anthracene	178	8.604	8.599	0.005	97	2160409	80.0	79.9	
90 Carbazole	167	8.763	8.759	0.004	96	2075218	80.0	80.2	
91 Di-n-butyl phthalate	149	9.112	9.110	0.002	99	2616451	80.0	81.7	
92 Fluoranthene	202	9.687	9.682	0.005	96	2350608	80.0	81.9	
93 Benzidine	184	9.824	9.823	0.001	99	1176073	80.0	83.0	
94 Pyrene	202	9.901	9.896	0.005	95	2380786	80.0	78.7	
95 Bisphenol-A	213	9.968	9.964	0.004	98	1071217	80.0	82.5	
$ 96 Terphenyl-d14	244	10.065	10.063	0.002	97	2205326	80.0	86.5	
97 Butyl benzyl phthalate	149	10.573	10.571	0.002	96	1141754	80.0	81.4	
99 Carbamazepine	193	10.675	10.667	0.008	93	942278	80.0	81.7	
100 3,3'-Dichlorobenzidine	252	11.139	11.130	0.009	99	977953	80.0	86.2	
101 Benzo[a]anthracene	228	11.148	11.143	0.005	100	2284168	80.0	78.6	
* 102 Chrysene-d12	240	11.161	11.156	0.005	99	848580	40.0	40.0	
103 Chrysene	228	11.197	11.188	0.009	97	2069686	80.0	78.6	
104 Bis(2-ethylhexyl) phthalate	149	11.232	11.227	0.006	90	1541864	80.0	80.3	
105 Di-n-octyl phthalate	149	12.060	12.054	0.006	96	2765020	80.0	82.9	
106 Benzo[b]fluoranthene	252	12.501	12.489	0.012	98	2333611	80.0	85.5	
107 Benzo[k]fluoranthene	252	12.539	12.531	0.008	98	2283977	80.0	81.4	
108 Benzo[a]pyrene	252	12.939	12.930	0.009	97	2127302	80.0	83.8	
* 109 Perylene-d12	264	13.013	13.007	0.006	98	955604	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.542	14.533	0.009	99	2384794	80.0	86.8	
111 Dibenz(a,h)anthracene	278	14.593	14.578	0.015	97	2322773	80.0	86.4	
112 Benzo[g,h,i]perylene	276	14.965	14.946	0.019	96	2115216	80.0	83.6	
S 119 Total Cresols	1				0			161.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SV_BNA_L8_00006 Amount Added: 1.00 Units: mL

DRAFT

Report Date: 24-Jun-2024 10:02:40 Chrom Revision: 2.3 23-Jun-2024 11:08:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS11\20240624-177537.b\Z86738.d

Injection Date: 24-Jun-2024 06:51:30 Instrument ID: CBNAMS11 Operator ID:

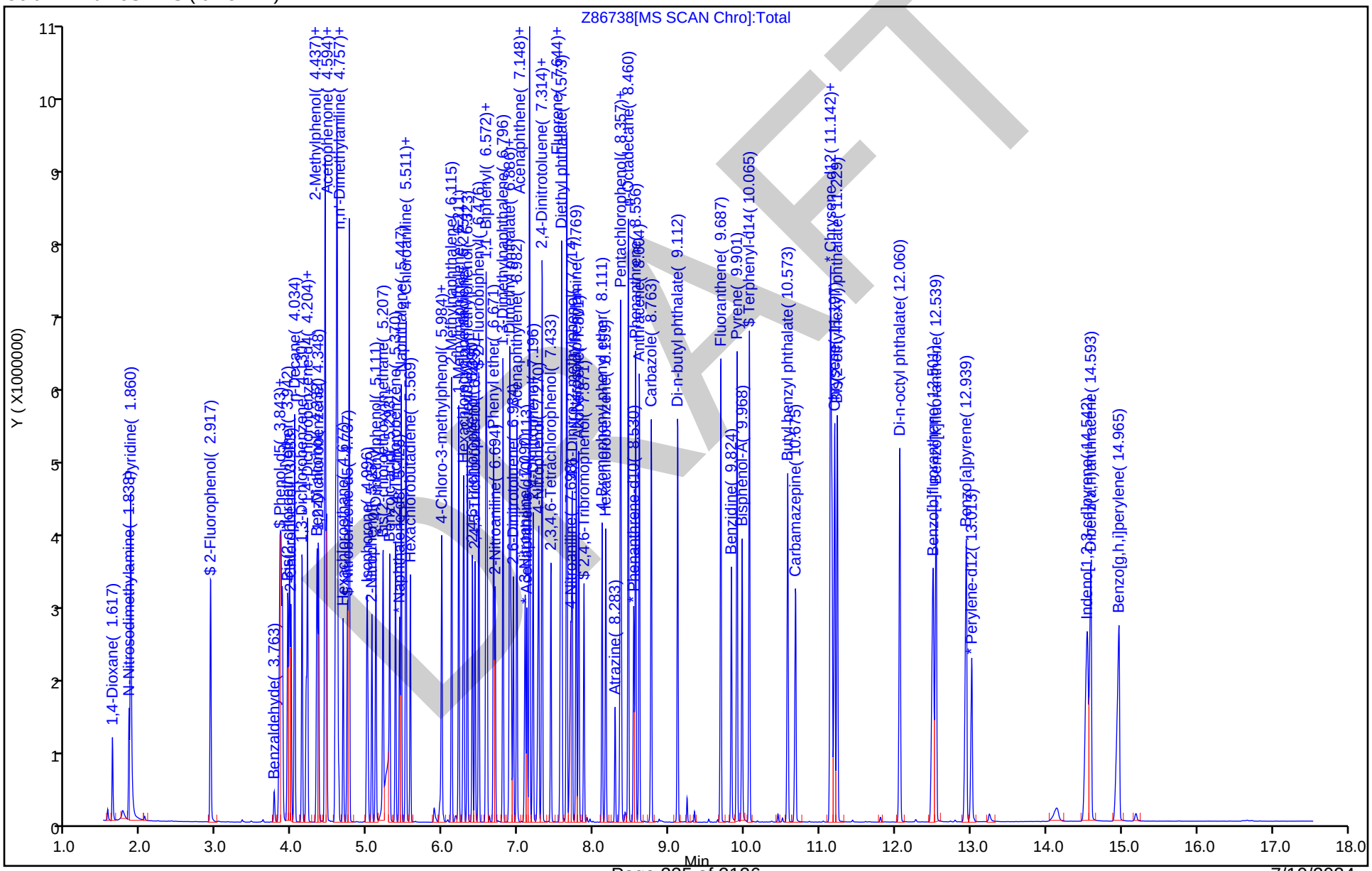
Lims ID: STD80 Worklist Smp#: 4

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 4

Method: 8270_11R_9 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

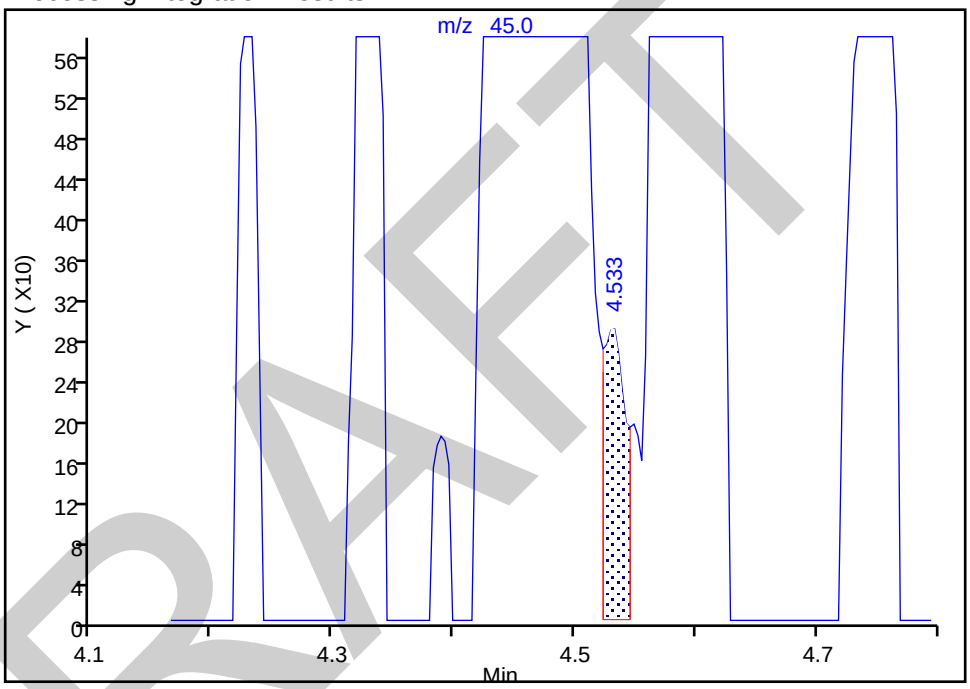
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Injection Date: 24-Jun-2024 06:51:30 Instrument ID: CBNAMS11
Lims ID: STD80
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_11R_9 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

19 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Signal: 1

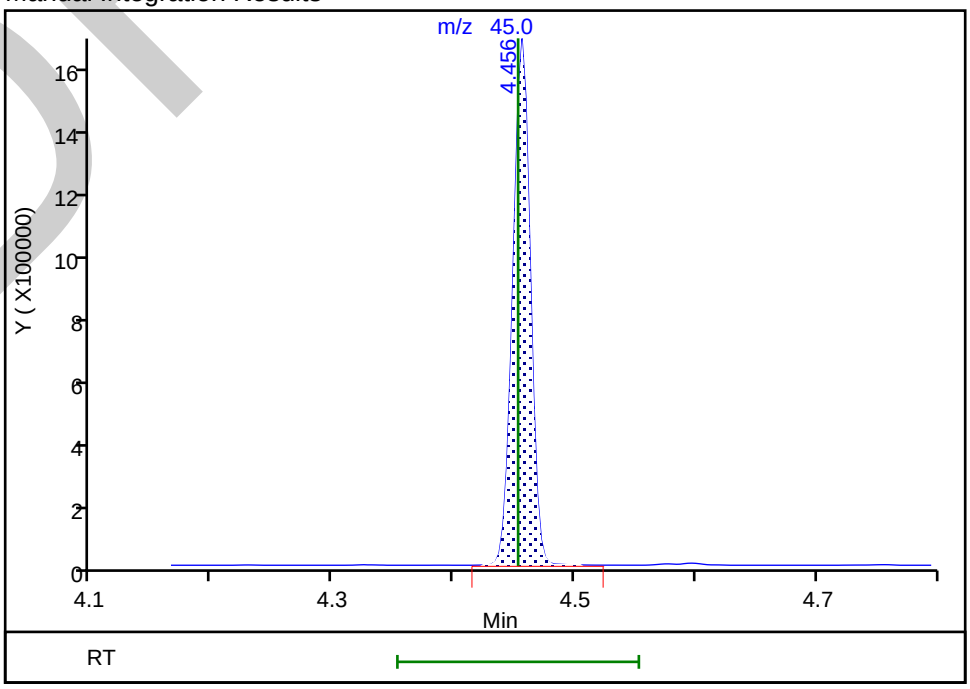
Processing Integration Results

RT: 4.53
Area: 382
Amount: 0.027562
Amount Units: ug/ml



Manual Integration Results

RT: 4.46
Area: 1713832
Amount: 78.432368
Amount Units: ug/ml



Reviewer: G4KC, 24-Jun-2024 07:13:42 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

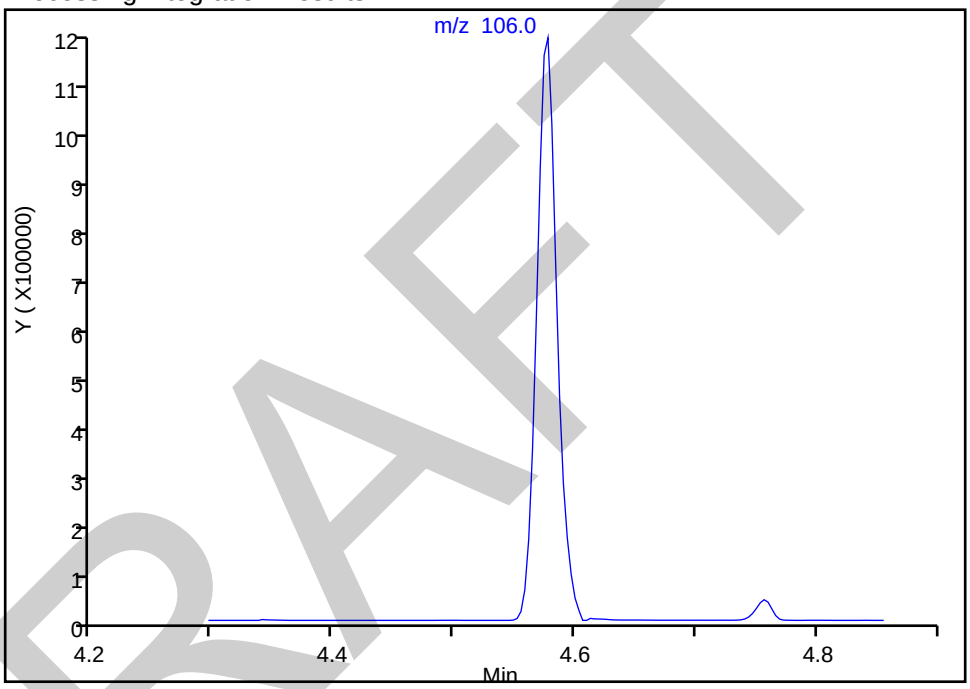
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Injection Date:	24-Jun-2024 06:51:30	Instrument ID:	CBNAMS11		
Lims ID:	STD80				
Client ID:					
Operator ID:		ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

20 N-Methylaniline, CAS: 100-61-8

Signal: 1

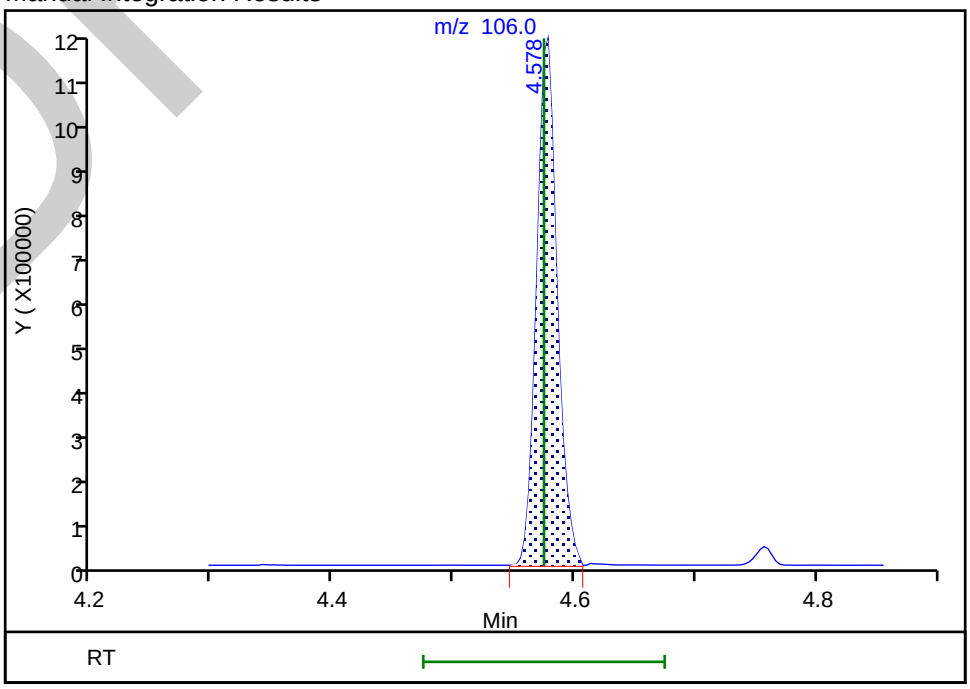
Not Detected
Expected RT: 4.57

Processing Integration Results



Manual Integration Results

RT: 4.58
Area: 1330643
Amount: 79.464434
Amount Units: ug/ml



Reviewer: G4KC, 24-Jun-2024 07:13:44 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

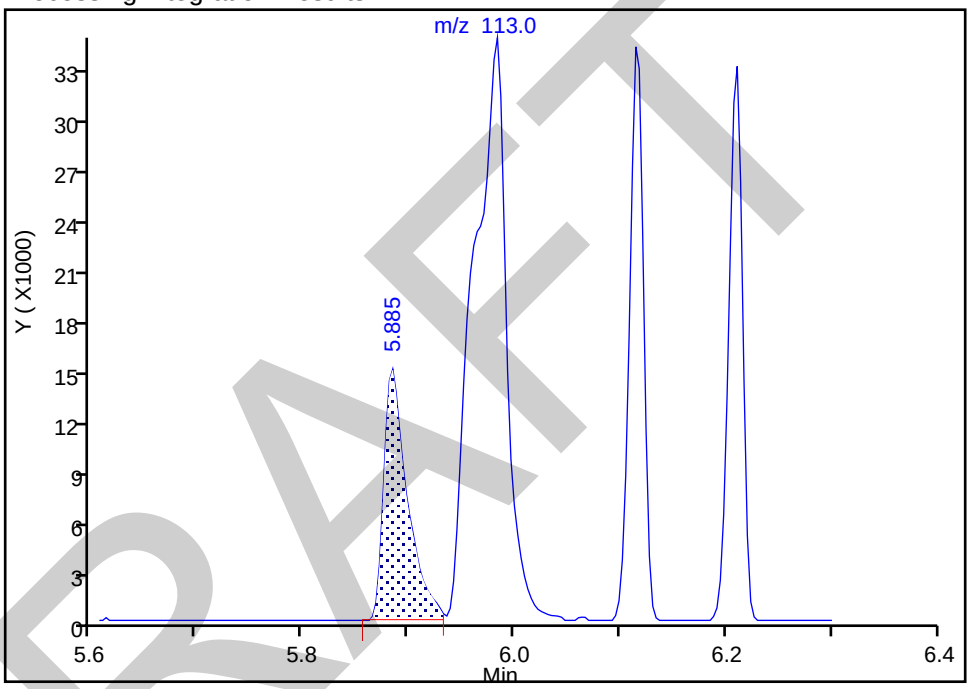
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Injection Date: 24-Jun-2024 06:51:30 Instrument ID: CBNAMS11
Lims ID: STD80
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_11R_9 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

42 Caprolactam, CAS: 105-60-2

Signal: 1

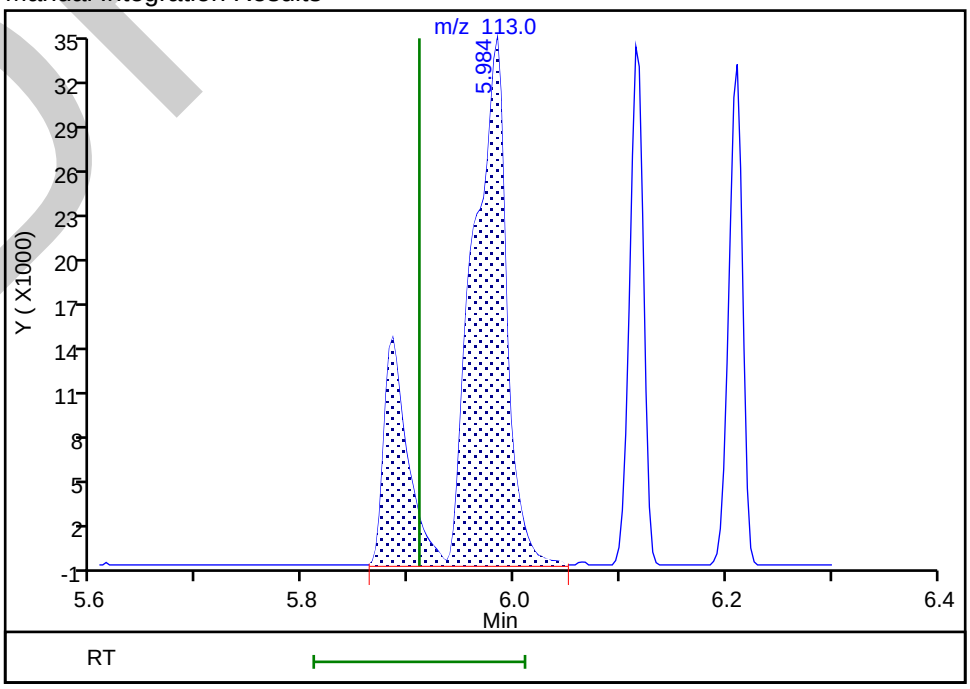
Processing Integration Results

RT: 5.88
Area: 23368
Amount: 7.997617
Amount Units: ug/ml



Manual Integration Results

RT: 5.98
Area: 99011
Amount: 30.139629
Amount Units: ug/ml



Reviewer: G4KC, 24-Jun-2024 07:14:00 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

DRAFT

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS11\20240624-177537.b\Z86739.d
Lims ID: STD20
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 24-Jun-2024 07:14:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0177537-005
Operator ID: Instrument ID: CBNAMS11
Sublist: chrom-8270_11R_9*sub51

Method: \\chromfs\Edison\ChromData\CBNAMS11\20240624-177537.b\8270_11R_9.m
Limit Group: SV 8270E ICAL
Last Update: 24-Jun-2024 10:02:43 Calib Date: 24-Jun-2024 09:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS11\20240624-177537.b\Z86744.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1642

First Level Reviewer: G4KC Date: 24-Jun-2024 07:33:30

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.617	1.617	0.000	97	87400	20.0	21.5	
	2 N-Nitrosodimethylamine	74	1.831	1.831	0.000	85	146016	20.0	20.3	
	3 Pyridine	79	1.857	1.857	0.000	86	443693	40.0	42.6	
$	4 2-Fluorophenol	112	2.913	2.917	-0.004	90	200717	20.0	20.0	
	5 Benzaldehyde	77	3.759	3.760	-0.001	93	155527	16.0	15.3	
$	6 Phenol-d5	99	3.820	3.827	-0.007	96	288107	20.0	20.5	
	7 Phenol	94	3.833	3.843	-0.010	97	281841	20.0	19.8	
	8 Aniline	93	3.862	3.865	-0.003	99	337205	20.0	20.5	
	9 Bis(2-chloroethyl)ether	93	3.929	3.935	-0.006	92	222115	20.0	20.6	
	11 2-Chlorophenol	128	3.977	3.980	-0.003	90	204953	20.0	20.5	
	12 n-Decane	43	4.028	4.031	-0.003	96	333508	20.0	20.8	
	13 1,3-Dichlorobenzene	146	4.127	4.130	-0.003	95	199219	20.0	19.9	
*	14 1,4-Dichlorobenzene-d4	152	4.184	4.184	0.000	98	265246	40.0	40.0	
	15 1,4-Dichlorobenzene	146	4.200	4.201	0.000	93	203677	20.0	20.0	
	16 Benzyl alcohol	108	4.318	4.322	-0.004	91	144257	20.0	20.5	
	17 1,2-Dichlorobenzene	146	4.344	4.347	-0.003	92	193022	20.0	20.1	
	18 2-Methylphenol	108	4.427	4.434	-0.007	86	190615	20.0	20.3	
	19 2,2'-oxybis[1-chloropropane]	45	4.449	4.453	-0.004	96	453690	20.0	20.9	
	20 N-Methylaniline	106	4.571	4.574	-0.003	94	334527	20.0	20.1	
	22 Acetophenone	105	4.577	4.584	-0.007	95	310424	20.0	21.1	
	23 3 & 4 Methylphenol	108	4.584	4.590	-0.006	80	229621	20.0	21.2	
	24 4-Methylphenol	108	4.584	4.590	-0.006	74	229621	20.0	21.2	
	21 N-Nitrosodi-n-propylamine	70	4.580	4.590	-0.010	93	195131	20.0	21.3	
	25 Hexachloroethane	117	4.673	4.677	-0.004	94	79801	20.0	20.7	
$	26 Nitrobenzene-d5	82	4.724	4.728	-0.004	90	263593	20.0	20.2	
	27 Nitrobenzene	123	4.743	4.750	-0.007	92	104918	20.0	21.2	
	28 n,n'-Dimethylaniline	120	4.746	4.750	-0.004	93	315934	20.0	20.3	
	31 Isophorone	82	4.976	4.986	-0.010	99	459108	20.0	20.3	
	32 2-Nitrophenol	139	5.050	5.054	-0.004	84	109479	20.0	20.4	
	33 2,4-Dimethylphenol	122	5.101	5.105	-0.004	89	151509	20.0	19.9	
	34 Bis(2-chloroethoxy)methane	93	5.197	5.201	-0.004	95	276318	20.0	20.4	

DRAFT

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.197	5.236	-0.039	43	121287	20.0	19.4	
36 2,4-Dichlorophenol	162	5.286	5.290	-0.004	93	152253	20.0	20.4	
37 1,2,4-Trichlorobenzene	180	5.366	5.370	-0.004	94	157529	20.0	20.0	
* 38 Naphthalene-d8	136	5.420	5.424	-0.004	99	1088106	40.0	40.0	
39 Naphthalene	128	5.440	5.444	-0.004	98	574207	20.0	20.1	
40 4-Chloroaniline	127	5.497	5.504	-0.007	95	250570	20.0	20.3	
133 2,6-Dichlorophenol	162	5.504	5.507	-0.003	93	146747	20.0	20.1	
41 Hexachlorobutadiene	225	5.564	5.565	-0.001	95	82410	20.0	19.9	
42 Caprolactam	113	5.832	5.910	-0.078	89	49572	16.0	15.0	
43 4-Chloro-3-methylphenol	107	5.976	5.983	-0.007	98	171427	20.0	20.2	
44 2-Methylnaphthalene	142	6.110	6.114	-0.004	84	386401	20.0	20.3	
45 1-Methylnaphthalene	142	6.206	6.207	-0.001	93	348901	20.0	20.0	
46 Hexachlorocyclopentadiene	237	6.264	6.265	-0.001	97	90149	20.0	20.7	
47 1,2,4,5-Tetrachlorobenzene	216	6.273	6.274	-0.001	96	156145	20.0	19.7	
48 2-tertbutyl-4-methylphenol	149	6.318	6.322	-0.004	90	220283	20.0	19.5	
49 2,4,6-Trichlorophenol	196	6.385	6.389	-0.004	87	108148	20.0	20.1	
50 2,4,5-Trichlorophenol	196	6.420	6.421	-0.001	94	117059	20.0	20.0	
$ 51 2-Fluorobiphenyl	172	6.472	6.473	-0.001	96	401059	20.0	19.7	
52 1,1'-Biphenyl	154	6.564	6.568	-0.004	98	440459	20.0	19.9	
53 2-Chloronaphthalene	162	6.577	6.581	-0.004	97	335057	20.0	20.1	
54 Phenyl ether	170	6.666	6.671	-0.005	92	230458	20.0	19.6	
55 2-Nitroaniline	65	6.682	6.687	-0.005	93	172692	20.0	20.2	
57 1,3-Dimethylnaphthalene	156	6.791	6.792	-0.001	91	275667	20.0	19.6	
58 Dimethyl phthalate	163	6.868	6.875	-0.007	98	385280	20.0	20.1	
59 Coumarin	146	6.877	6.885	-0.008	80	141049	20.0	19.7	
60 2,6-Dinitrotoluene	165	6.922	6.927	-0.005	90	89074	20.0	20.8	
63 Acenaphthylene	152	6.973	6.978	-0.005	96	525510	20.0	20.1	
64 3-Nitroaniline	65	7.075	7.083	-0.008	91	174676	20.0	20.2	
* 65 Acenaphthene-d10	164	7.111	7.112	-0.001	96	564846	40.0	40.0	
67 Acenaphthene	154	7.139	7.144	-0.005	98	322117	20.0	20.1	
66 3,5-di-tert-butyl-4-hydroxytol	205	7.143	7.147	-0.004	97	245396	20.0	19.8	
68 2,4-Dinitrophenol	184	7.178	7.189	-0.011	87	112445	40.0	38.6	
69 4-Nitrophenol	65	7.248	7.259	-0.011	92	202131	40.0	40.5	
70 2,4-Dinitrotoluene	165	7.303	7.310	-0.007	91	121784	20.0	20.8	
71 Dibenzofuran	168	7.306	7.310	-0.004	98	472401	20.0	20.1	
72 2,3,4,6-Tetrachlorophenol	232	7.424	7.429	-0.005	92	92389	20.0	19.5	
73 Diethyl phthalate	149	7.545	7.553	-0.008	97	389608	20.0	19.9	
74 Fluorene	166	7.632	7.636	-0.004	94	387469	20.0	20.0	
75 4-Chlorophenyl phenyl ether	204	7.641	7.643	-0.002	86	173000	20.0	20.2	
76 4-Nitroaniline	138	7.660	7.675	-0.015	98	105908	20.0	20.0	
77 4,6-Dinitro-2-methylphenol	198	7.692	7.704	-0.012	74	148696	40.0	41.7	
78 N-Nitrosodiphenylamine	169	7.756	7.761	-0.005	72	279454	20.0	20.0	
134 Azobenzene	77	7.792	7.796	-0.004	98	528352	20.0	20.4	
79 1,2-Diphenylhydrazine	77	7.792	7.796	-0.004	51	528833	20.0	20.4	
$ 80 2,4,6-Tribromophenol	330	7.862	7.867	-0.005	96	83718	20.0	19.7	
81 4-Bromophenyl phenyl ether	248	8.105	8.110	-0.005	88	105321	20.0	19.5	
82 Hexachlorobenzene	284	8.153	8.158	-0.005	95	134607	20.0	20.1	
83 Atrazine	200	8.277	8.279	-0.002	82	81265	16.0	15.8	
84 Pentachlorophenol	266	8.344	8.353	-0.009	95	179586	40.0	40.8	
85 Pentachloronitrobenzene	237	8.357	8.362	-0.005	89	42809	20.0	19.6	
86 n-Octadecane	57	8.453	8.455	-0.002	94	416820	20.0	20.7	
* 87 Phenanthrene-d10	188	8.523	8.529	-0.006	98	1035194	40.0	40.0	

DRAFT

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
88 Phenanthrene	178	8.546	8.551	-0.005	98	537133	20.0	19.9	
89 Anthracene	178	8.594	8.599	-0.005	97	552446	20.0	20.0	
90 Carbazole	167	8.753	8.759	-0.006	96	526648	20.0	19.9	
91 Di-n-butyl phthalate	149	9.108	9.110	-0.002	99	668784	20.0	20.4	a
92 Fluoranthene	202	9.679	9.682	-0.003	96	585842	20.0	19.9	
93 Benzidine	184	9.820	9.823	-0.003	99	283513	20.0	19.5	
94 Pyrene	202	9.890	9.896	-0.006	95	602735	20.0	20.2	
95 Bisphenol-A	213	9.957	9.964	-0.007	97	255119	20.0	19.9	
$ 96 Terphenyl-d14	244	10.057	10.063	-0.006	97	511606	20.0	20.4	
97 Butyl benzyl phthalate	149	10.565	10.571	-0.007	96	280684	20.0	20.3	
99 Carbamazepine	193	10.660	10.667	-0.007	92	196774	20.0	19.1	
100 3,3'-Dichlorobenzidine	252	11.127	11.130	-0.003	99	227073	20.0	20.3	
101 Benzo[a]anthracene	228	11.140	11.143	-0.003	99	567992	20.0	19.9	
* 102 Chrysene-d12	240	11.152	11.156	-0.004	99	835981	40.0	40.0	
103 Chrysene	228	11.181	11.188	-0.007	97	524775	20.0	20.2	
104 Bis(2-ethylhexyl) phthalate	149	11.226	11.227	0.000	90	387083	20.0	20.5	
105 Di-n-octyl phthalate	149	12.050	12.054	-0.004	96	666288	20.0	20.1	
106 Benzo[b]fluoranthene	252	12.481	12.489	-0.008	97	542019	20.0	20.0	
107 Benzo[k]fluoranthene	252	12.520	12.531	-0.011	98	579218	20.0	20.8	
108 Benzo[a]pyrene	252	12.919	12.930	-0.011	95	521840	20.0	20.7	
* 109 Perylene-d12	264	13.006	13.007	-0.001	98	950270	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.515	14.533	-0.018	98	561568	20.0	20.6	
111 Dibenz(a,h)anthracene	278	14.563	14.578	-0.015	96	558299	20.0	20.9	
112 Benzo[g,h,i]perylene	276	14.925	14.946	-0.021	96	516171	20.0	20.5	
S 119 Total Cresols	1				0			41.5	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

SV_BNA_L6_00006 Amount Added: 1.00 Units: mL

DRAFT

Report Date: 24-Jun-2024 10:02:44 Chrom Revision: 2.3 23-Jun-2024 11:08:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS11\20240624-177537.b\Z86739.d

Injection Date: 24-Jun-2024 07:14:30 Instrument ID: CBNAMS11 Operator ID:

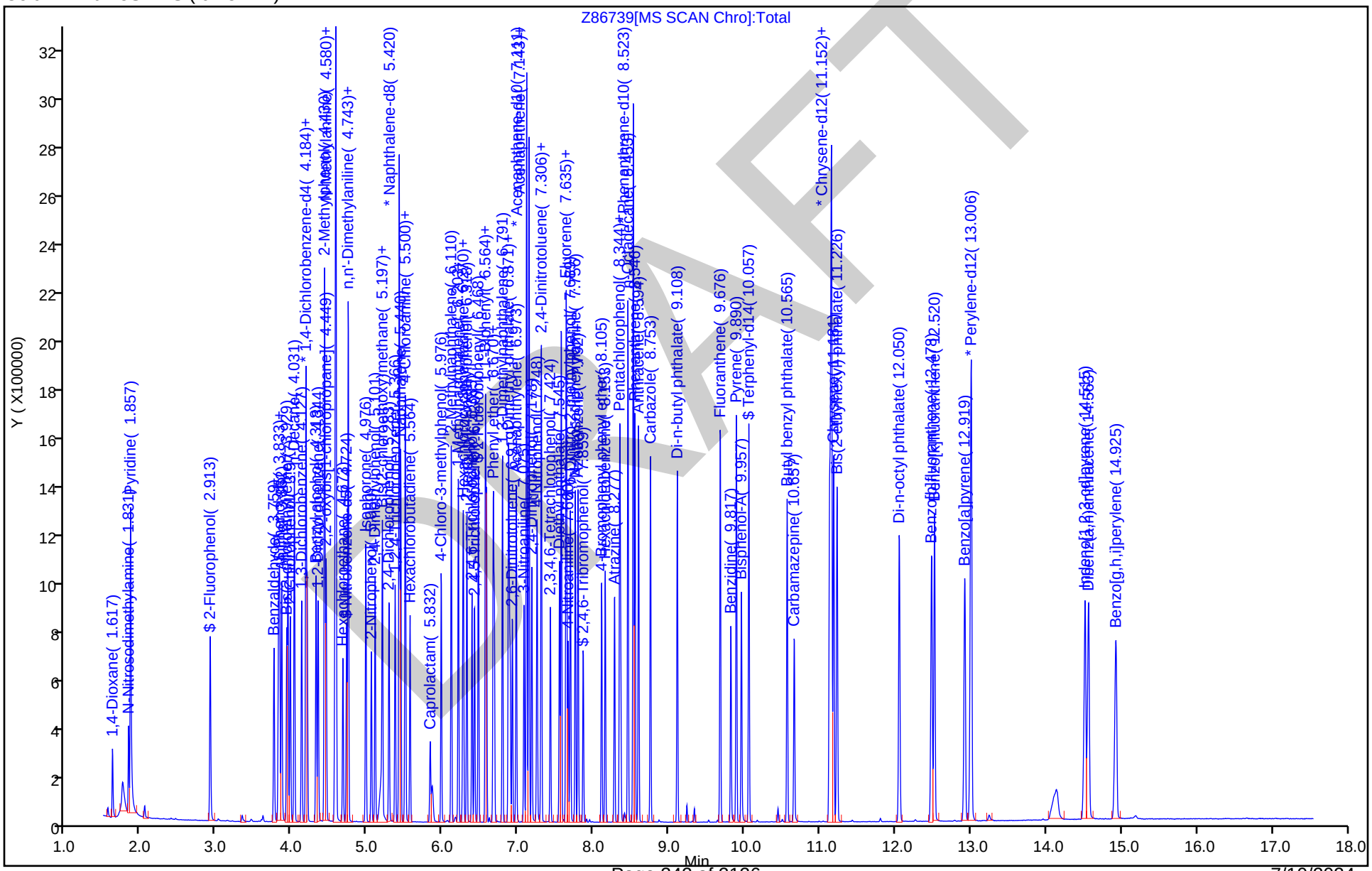
Lims ID: STD20 Worklist Smp#: 5

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 5

Method: 8270_11R_9 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

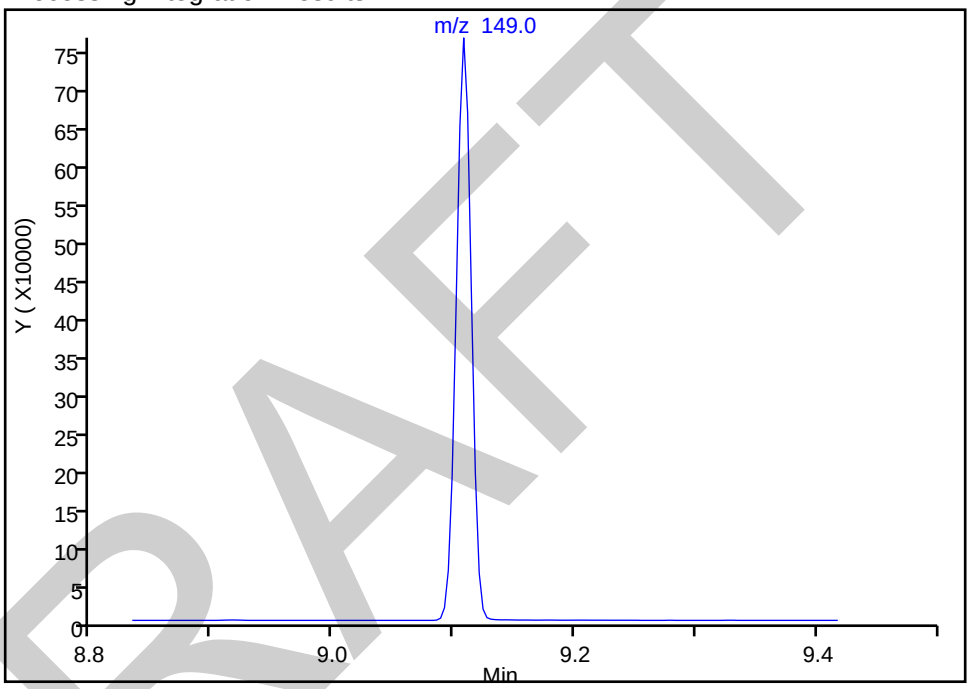
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Lims ID:	STD20				
Client ID:					
Operator ID:		ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

91 Di-n-butyl phthalate, CAS: 84-74-2

Signal: 1

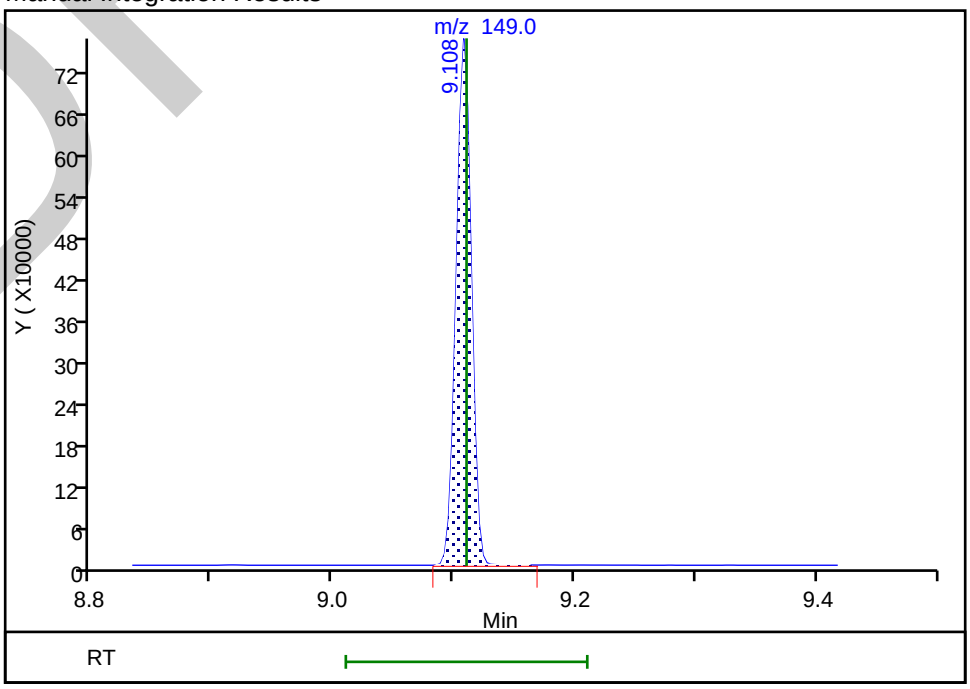
Not Detected
Expected RT: 9.11

Processing Integration Results



Manual Integration Results

RT: 9.11
Area: 668784
Amount: 20.389960
Amount Units: ug/ml



Reviewer: G4KC, 24-Jun-2024 07:33:00 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

DRAFT

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS11\20240624-177537.b\Z86740.d
Lims ID: STD10
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 24-Jun-2024 07:36:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0177537-006
Operator ID: Instrument ID: CBNAMS11
Sublist: chrom-8270_11R_9*sub51

Method: \\chromfs\Edison\ChromData\CBNAMS11\20240624-177537.b\8270_11R_9.m
Limit Group: SV 8270E ICAL
Last Update: 24-Jun-2024 10:02:47 Calib Date: 24-Jun-2024 09:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS11\20240624-177537.b\Z86744.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1642

First Level Reviewer: G4KC Date: 24-Jun-2024 08:03:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.617	1.617	0.000	97	41000	10.0	10.5	
2 N-Nitrosodimethylamine	74	1.831	1.831	0.000	84	65364	10.0	9.49	
3 Pyridine	79	1.857	1.857	0.000	86	206820	20.0	20.8	
$ 4 2-Fluorophenol	112	2.913	2.917	-0.004	90	96767	10.0	10.1	
5 Benzaldehyde	77	3.759	3.760	-0.001	92	99393	10.0	10.2	
$ 6 Phenol-d5	99	3.816	3.827	-0.011	95	137022	10.0	10.2	
7 Phenol	94	3.829	3.843	-0.014	97	132280	10.0	9.71	
8 Aniline	93	3.858	3.865	-0.007	99	156853	10.0	9.99	
9 Bis(2-chloroethyl)ether	93	3.925	3.935	-0.010	91	104409	10.0	10.1	
11 2-Chlorophenol	128	3.973	3.980	-0.007	90	95331	10.0	9.97	
12 n-Decane	43	4.027	4.031	-0.004	97	160784	10.0	10.5	
13 1,3-Dichlorobenzene	146	4.126	4.130	-0.004	93	97368	10.0	10.2	
* 14 1,4-Dichlorobenzene-d4	152	4.184	4.184	0.000	98	253902	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.200	4.201	0.000	95	96524	10.0	9.93	
16 Benzyl alcohol	108	4.315	4.322	-0.007	90	66586	10.0	9.89	
17 1,2-Dichlorobenzene	146	4.343	4.347	-0.004	93	93218	10.0	10.1	
18 2-Methylphenol	108	4.426	4.434	-0.008	85	87793	10.0	9.77	
19 2,2'-oxybis[1-chloropropane]	45	4.449	4.453	-0.004	93	214574	10.0	10.3	
20 N-Methylaniline	106	4.567	4.574	-0.007	94	159653	10.0	10.0	
22 Acetophenone	105	4.577	4.584	-0.007	93	145456	10.0	10.3	
23 3 & 4 Methylphenol	108	4.580	4.590	-0.010	84	105864	10.0	10.2	
24 4-Methylphenol	108	4.580	4.590	-0.010	90	105864	10.0	10.2	
21 N-Nitrosodi-n-propylamine	70	4.577	4.590	-0.013	92	92621	10.0	10.6	
25 Hexachloroethane	117	4.672	4.677	-0.005	93	37740	10.0	10.2	
$ 26 Nitrobenzene-d5	82	4.720	4.728	-0.008	91	125994	10.0	10.1	
28 n,n'-Dimethylaniline	120	4.743	4.750	-0.007	93	151742	10.0	10.2	
27 Nitrobenzene	123	4.739	4.750	-0.011	90	49542	10.0	10.5	
31 Isophorone	82	4.976	4.986	-0.010	99	216120	10.0	9.95	
32 2-Nitrophenol	139	5.049	5.054	-0.005	82	50295	10.0	9.76	
33 2,4-Dimethylphenol	122	5.097	5.105	-0.008	89	71667	10.0	9.83	
34 Bis(2-chloroethoxy)methane	93	5.196	5.201	-0.005	95	131225	10.0	10.1	

DRAFT

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.171	5.236	-0.065	90	51121	10.0	9.94	
36 2,4-Dichlorophenol	162	5.282	5.290	-0.008	92	70767	10.0	9.89	
37 1,2,4-Trichlorobenzene	180	5.365	5.370	-0.005	94	73954	10.0	9.78	
* 38 Naphthalene-d8	136	5.420	5.424	-0.004	99	1044604	40.0	40.0	
39 Naphthalene	128	5.439	5.444	-0.005	98	270910	10.0	9.86	
40 4-Chloroaniline	127	5.496	5.504	-0.008	95	118220	10.0	9.97	
133 2,6-Dichlorophenol	162	5.503	5.507	-0.004	93	69010	10.0	9.82	
41 Hexachlorobutadiene	225	5.563	5.565	-0.002	94	38192	10.0	9.60	
42 Caprolactam	113	5.822	5.910	-0.088	88	30809	10.0	9.70	
43 4-Chloro-3-methylphenol	107	5.975	5.983	-0.008	97	80059	10.0	9.81	
44 2-Methylnaphthalene	142	6.109	6.114	-0.005	84	179765	10.0	9.84	
45 1-Methylnaphthalene	142	6.202	6.207	-0.005	93	167079	10.0	10.0	
46 Hexachlorocyclopentadiene	237	6.263	6.265	-0.002	96	41022	10.0	9.80	
47 1,2,4,5-Tetrachlorobenzene	216	6.269	6.274	-0.005	96	73786	10.0	9.68	
48 2-tertbutyl-4-methylphenol	149	6.314	6.322	-0.008	90	108499	10.0	9.98	
49 2,4,6-Trichlorophenol	196	6.384	6.389	-0.005	87	50959	10.0	9.85	
50 2,4,5-Trichlorophenol	196	6.416	6.421	-0.005	93	54722	10.0	9.71	
$ 51 2-Fluorobiphenyl	172	6.467	6.473	-0.006	96	195435	10.0	9.98	
52 1,1'-Biphenyl	154	6.563	6.568	-0.005	97	211304	10.0	9.90	
53 2-Chloronaphthalene	162	6.576	6.581	-0.005	97	160537	10.0	10.0	
54 Phenyl ether	170	6.665	6.671	-0.006	91	112630	10.0	9.94	
55 2-Nitroaniline	65	6.678	6.687	-0.009	93	83864	10.0	10.2	
57 1,3-Dimethylnaphthalene	156	6.787	6.792	-0.005	91	133916	10.0	9.87	
58 Dimethyl phthalate	163	6.863	6.875	-0.012	98	185727	10.0	10.1	
59 Coumarin	146	6.873	6.885	-0.012	80	69709	10.0	10.2	
60 2,6-Dinitrotoluene	165	6.918	6.927	-0.009	90	42364	10.0	10.2	
63 Acenaphthylene	152	6.969	6.978	-0.009	96	249878	10.0	9.92	
64 3-Nitroaniline	65	7.071	7.083	-0.012	91	83409	10.0	10.0	
* 65 Acenaphthene-d10	164	7.109	7.112	-0.003	96	543995	40.0	40.0	
67 Acenaphthene	154	7.138	7.144	-0.006	98	153236	10.0	9.92	
66 3,5-di-tert-butyl-4-hydroxytol	205	7.141	7.147	-0.006	97	112279	10.0	9.41	
68 2,4-Dinitrophenol	184	7.177	7.189	-0.012	88	50567	20.0	19.3	
69 4-Nitrophenol	65	7.244	7.259	-0.015	93	97014	20.0	20.2	
70 2,4-Dinitrotoluene	165	7.298	7.310	-0.012	92	56902	10.0	10.1	
71 Dibenzofuran	168	7.304	7.310	-0.006	98	225330	10.0	9.93	
72 2,3,4,6-Tetrachlorophenol	232	7.423	7.429	-0.007	92	44493	10.0	9.74	
73 Diethyl phthalate	149	7.544	7.553	-0.009	97	184673	10.0	9.79	
74 Fluorene	166	7.630	7.636	-0.006	97	185351	10.0	9.93	
75 4-Chlorophenyl phenyl ether	204	7.640	7.643	-0.003	86	81219	10.0	9.84	
76 4-Nitroaniline	138	7.653	7.675	-0.022	97	52416	10.0	10.3	
77 4,6-Dinitro-2-methylphenol	198	7.688	7.704	-0.016	74	71437	20.0	20.4	
78 N-Nitrosodiphenylamine	169	7.752	7.761	-0.009	72	134425	10.0	9.82	
134 Azobenzene	77	7.790	7.796	-0.006	98	250599	10.0	9.90	
79 1,2-Diphenylhydrazine	77	7.790	7.796	-0.006	51	251032	10.0	9.91	
$ 80 2,4,6-Tribromophenol	330	7.857	7.867	-0.010	96	39626	10.0	9.67	
81 4-Bromophenyl phenyl ether	248	8.103	8.110	-0.007	83	49737	10.0	9.41	
82 Hexachlorobenzene	284	8.151	8.158	-0.007	96	64993	10.0	9.91	
83 Atrazine	200	8.272	8.279	-0.007	82	49694	10.0	9.88	
84 Pentachlorophenol	266	8.343	8.353	-0.011	95	81972	20.0	19.0	
85 Pentachloronitrobenzene	237	8.355	8.362	-0.007	89	20577	10.0	9.61	
86 n-Octadecane	57	8.451	8.455	-0.004	94	195889	10.0	9.94	
* 87 Phenanthrene-d10	188	8.525	8.529	-0.004	98	1013505	40.0	40.0	

DRAFT

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
88 Phenanthrene	178	8.544	8.551	-0.007	98	261358	10.0	9.89	
89 Anthracene	178	8.592	8.599	-0.007	97	271126	10.0	10.0	
90 Carbazole	167	8.752	8.759	-0.007	96	257489	10.0	9.92	
91 Di-n-butyl phthalate	149	9.106	9.110	-0.004	99	320766	10.0	9.99	a
92 Fluoranthene	202	9.674	9.682	-0.008	96	279707	10.0	9.72	
93 Benzidine	184	9.818	9.823	-0.005	99	156350	10.0	11.0	
94 Pyrene	202	9.888	9.896	-0.008	95	295922	10.0	9.77	
95 Bisphenol-A	213	9.955	9.964	-0.009	97	124868	10.0	9.61	
$ 96 Terphenyl-d14	244	10.054	10.063	-0.009	97	252034	10.0	9.88	
97 Butyl benzyl phthalate	149	10.562	10.571	-0.009	97	137869	10.0	9.82	
99 Carbamazepine	193	10.655	10.667	-0.012	92	87618	10.0	9.63	
100 3,3'-Dichlorobenzidine	252	11.124	11.130	-0.006	99	112738	10.0	9.93	
101 Benzo[a]anthracene	228	11.137	11.143	-0.006	99	282342	10.0	9.72	
* 102 Chrysene-d12	240	11.150	11.156	-0.006	99	848890	40.0	40.0	
103 Chrysene	228	11.179	11.188	-0.009	97	259333	10.0	9.84	
104 Bis(2-ethylhexyl) phthalate	149	11.223	11.227	-0.003	89	186627	10.0	9.71	
105 Di-n-octyl phthalate	149	12.050	12.054	-0.004	96	322821	10.0	9.44	
106 Benzo[b]fluoranthene	252	12.475	12.489	-0.014	97	277800	10.0	9.93	
107 Benzo[k]fluoranthene	252	12.511	12.531	-0.021	99	284812	10.0	9.91	
108 Benzo[a]pyrene	252	12.916	12.930	-0.014	95	257108	10.0	9.88	
* 109 Perylene-d12	264	13.006	13.007	-0.001	97	979534	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.508	14.533	-0.025	98	268643	10.0	9.54	a
111 Dibenz(a,h)anthracene	278	14.556	14.578	-0.022	97	269792	10.0	9.79	
112 Benzo[g,h,i]perylene	276	14.914	14.946	-0.032	96	252622	10.0	9.74	
S 119 Total Cresols	1				0			20.0	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

SV_BNA_L5_00006 Amount Added: 1.00 Units: mL

DRAFT

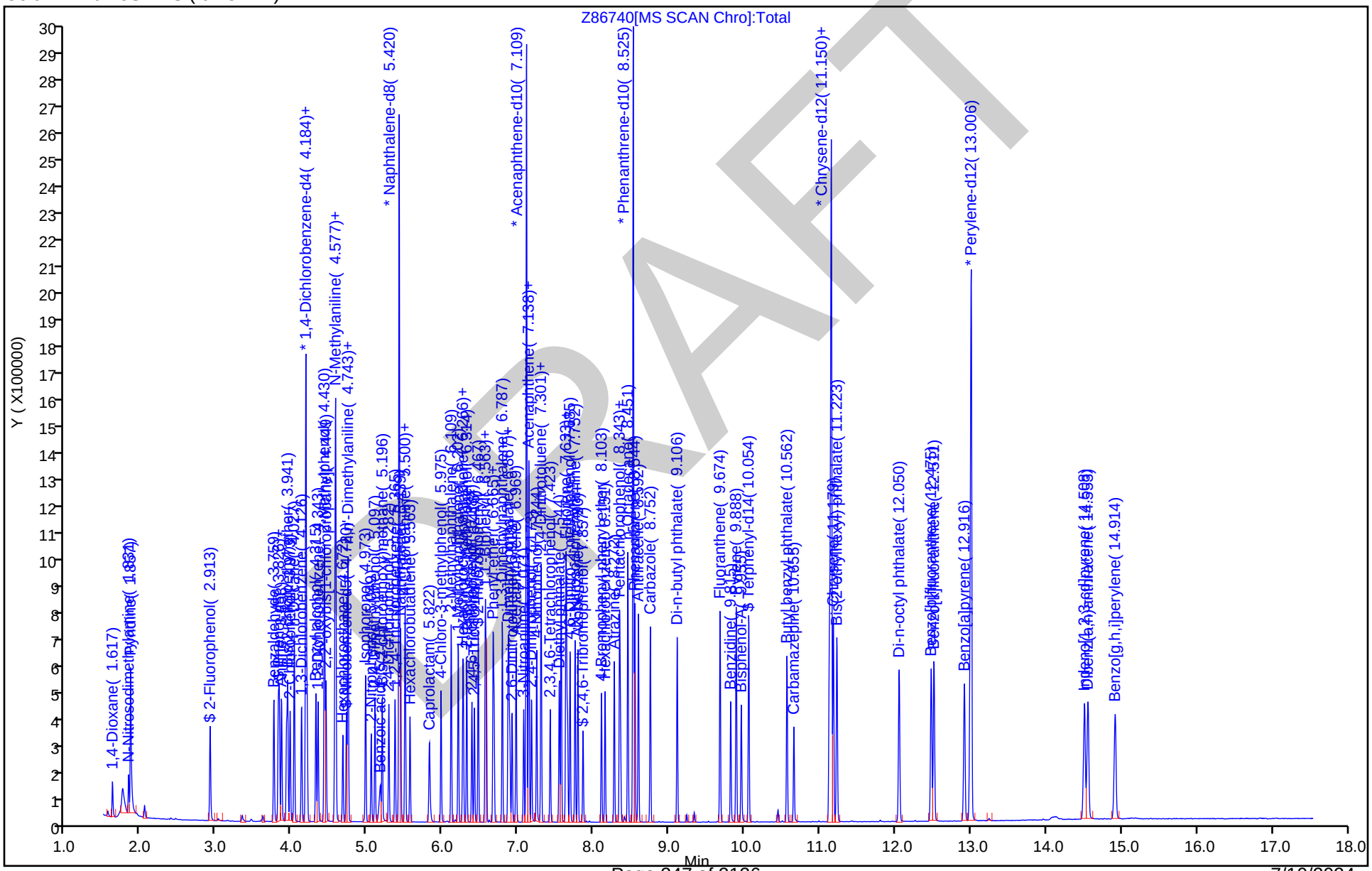
Report Date: 24-Jun-2024 10:02:48 Chrom Revision: 2.3 23-Jun-2024 11:08:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS11\20240624-177537.b\Z86740.d

Injection Date:	24-Jun-2024 07:36:30	Instrument ID:	CBNAMS11	Operator ID:	
Lims ID:	STD10			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8270_11R_9	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

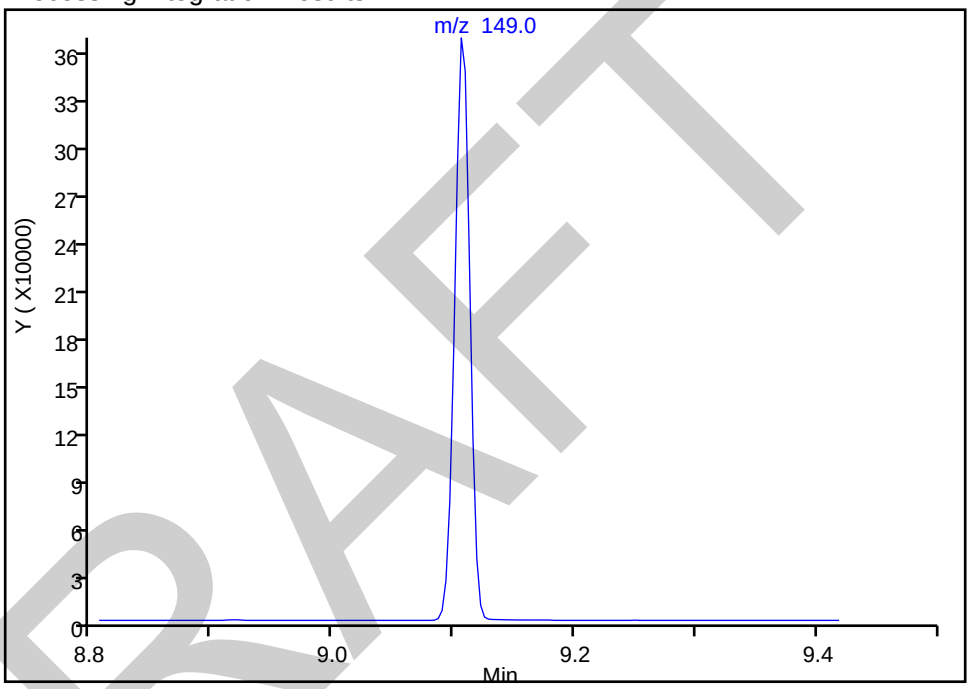
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Lims ID:	STD10				
Client ID:					
Operator ID:		ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

91 Di-n-butyl phthalate, CAS: 84-74-2

Signal: 1

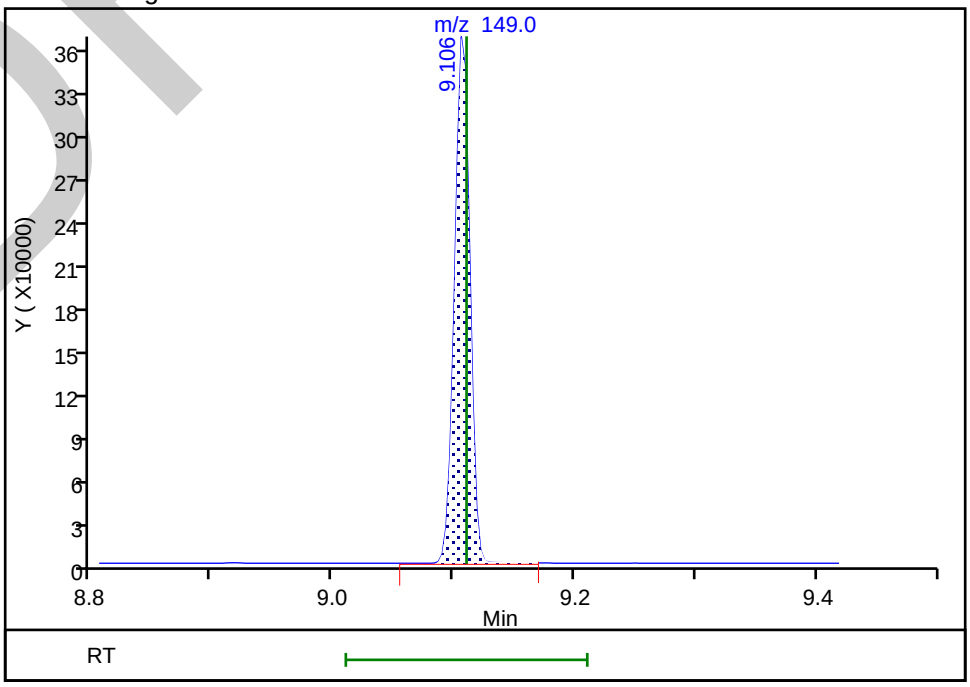
Not Detected
Expected RT: 9.11

Processing Integration Results



Manual Integration Results

RT: 9.11
Area: 320766
Amount: 9.988831
Amount Units: ug/ml



Reviewer: G4KC, 24-Jun-2024 07:59:57 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

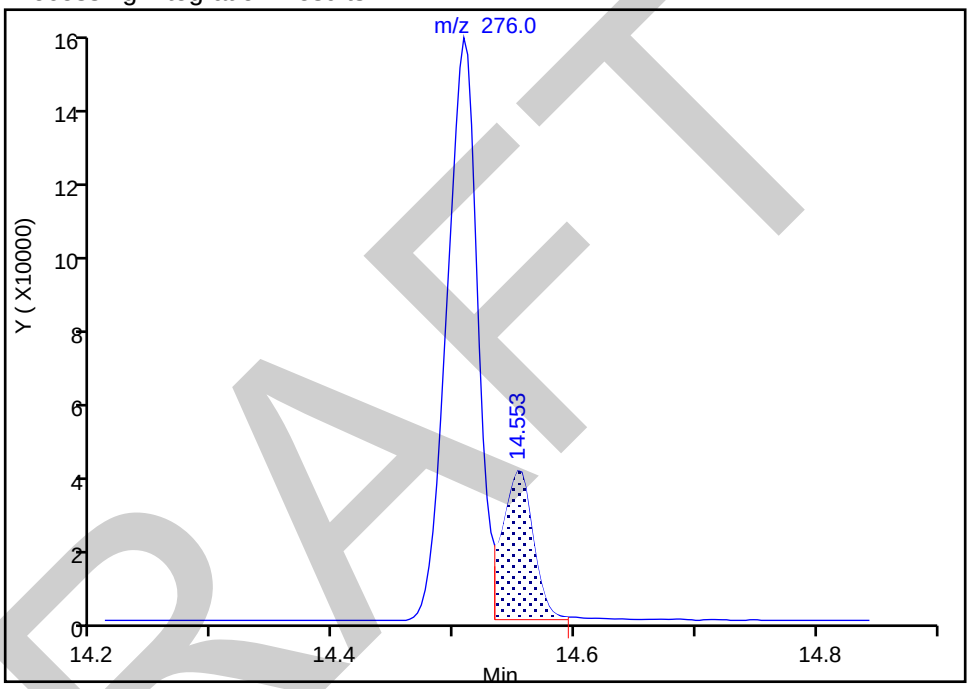
Data File: \\chromfs\Edison\ChromData\CBNAMS11\20240624-177537.b\Z86740.d
Injection Date: 24-Jun-2024 07:36:30 Instrument ID: CBNAMS11
Lims ID: STD10
Client ID:
Operator ID: ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_11R_9 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

110 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

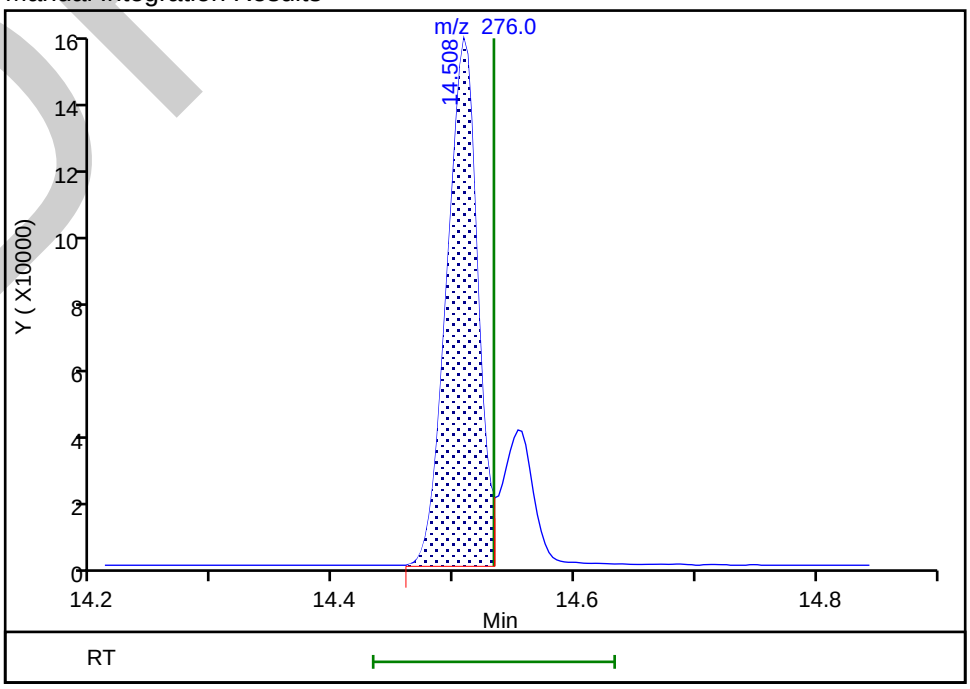
Processing Integration Results

RT: 14.55
Area: 69565
Amount: 8.699001
Amount Units: ug/ml



Manual Integration Results

RT: 14.51
Area: 268643
Amount: 9.537122
Amount Units: ug/ml



Reviewer: G4KC, 24-Jun-2024 08:04:26 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

DRAFT

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS11\20240624-177537.b\Z86741.d
Lims ID: STD5
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 24-Jun-2024 07:59:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0177537-007
Operator ID: Instrument ID: CBNAMS11
Sublist: chrom-8270_11R_9*sub51

Method: \\chromfs\Edison\ChromData\CBNAMS11\20240624-177537.b\8270_11R_9.m
Limit Group: SV 8270E ICAL
Last Update: 24-Jun-2024 10:02:51 Calib Date: 24-Jun-2024 09:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS11\20240624-177537.b\Z86744.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1642

First Level Reviewer: G4KC Date: 24-Jun-2024 08:20:41

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.614	1.617	-0.003	97	20096	5.00	5.12	
	2 N-Nitrosodimethylamine	74	1.828	1.831	-0.003	85	31789	5.00	4.58	
	3 Pyridine	79	1.857	1.857	0.000	85	97112	10.0	9.67	
$	4 2-Fluorophenol	112	2.913	2.917	-0.004	89	45880	5.00	4.74	
	5 Benzaldehyde	77	3.756	3.760	-0.004	93	49542	5.00	5.06	
$	6 Phenol-d5	99	3.816	3.827	-0.011	96	66420	5.00	4.90	
	7 Phenol	94	3.829	3.843	-0.014	97	63631	5.00	4.63	
	8 Aniline	93	3.858	3.865	-0.007	98	76338	5.00	4.82	
	9 Bis(2-chloroethyl)ether	93	3.925	3.935	-0.010	91	51069	5.00	4.91	
	11 2-Chlorophenol	128	3.973	3.980	-0.007	90	46381	5.00	4.81	
	12 n-Decane	43	4.027	4.031	-0.004	97	81010	5.00	5.24	
	13 1,3-Dichlorobenzene	146	4.126	4.130	-0.004	92	47135	5.00	4.88	
*	14 1,4-Dichlorobenzene-d4	152	4.180	4.184	-0.004	98	255914	40.0	40.0	
	15 1,4-Dichlorobenzene	146	4.200	4.201	0.000	92	49234	5.00	5.02	
	16 Benzyl alcohol	108	4.315	4.322	-0.007	91	31163	5.00	4.59	
	17 1,2-Dichlorobenzene	146	4.343	4.347	-0.004	92	45303	5.00	4.89	
	18 2-Methylphenol	108	4.423	4.434	-0.011	89	43910	5.00	4.85	
	19 2,2'-oxybis[1-chloropropane]	45	4.449	4.453	-0.004	92	108357	5.00	5.18	
	20 N-Methylaniline	106	4.567	4.574	-0.007	96	78486	5.00	4.90	
	22 Acetophenone	105	4.573	4.584	-0.011	93	70217	5.00	4.94	
	23 3 & 4 Methylphenol	108	4.576	4.590	-0.014	78	51391	5.00	4.91	
	24 4-Methylphenol	108	4.576	4.590	-0.014	73	51391	5.00	4.91	
	21 N-Nitrosodi-n-propylamine	70	4.576	4.590	-0.014	93	44098	5.00	4.99	a
	25 Hexachloroethane	117	4.672	4.677	-0.005	93	18336	5.00	4.92	
$	26 Nitrobenzene-d5	82	4.720	4.728	-0.008	89	60939	5.00	4.93	
	27 Nitrobenzene	123	4.739	4.750	-0.011	93	24171	5.00	5.07	
	28 n,n'-Dimethylaniline	120	4.743	4.750	-0.008	98	75026	5.00	5.00	
	31 Isophorone	82	4.972	4.986	-0.014	99	105814	5.00	4.94	
	32 2-Nitrophenol	139	5.049	5.054	-0.005	84	24089	5.00	4.74	
	33 2,4-Dimethylphenol	122	5.097	5.105	-0.008	89	34395	5.00	4.78	
	34 Bis(2-chloroethoxy)methane	93	5.193	5.201	-0.008	95	63089	5.00	4.91	

DRAFT

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.151	5.236	-0.085	92	17169	5.00	5.05	
36 2,4-Dichlorophenol	162	5.282	5.290	-0.008	91	33887	5.00	4.80	
37 1,2,4-Trichlorobenzene	180	5.365	5.370	-0.005	94	37222	5.00	4.98	
* 38 Naphthalene-d8	136	5.419	5.424	-0.005	99	1031260	40.0	40.0	
39 Naphthalene	128	5.439	5.444	-0.005	98	137203	5.00	5.06	
40 4-Chloroaniline	127	5.496	5.504	-0.008	94	58437	5.00	4.99	
133 2,6-Dichlorophenol	162	5.502	5.507	-0.005	90	33956	5.00	4.90	
41 Hexachlorobutadiene	225	5.563	5.565	-0.002	95	18984	5.00	4.83	
42 Caprolactam	113	5.812	5.910	-0.098	88	13921	5.00	4.44	
43 4-Chloro-3-methylphenol	107	5.975	5.983	-0.008	97	38185	5.00	4.74	
44 2-Methylnaphthalene	142	6.109	6.114	-0.005	84	86753	5.00	4.81	
45 1-Methylnaphthalene	142	6.202	6.207	-0.005	93	80587	5.00	4.88	
46 Hexachlorocyclopentadiene	237	6.262	6.265	-0.003	96	19983	5.00	4.86	
47 1,2,4,5-Tetrachlorobenzene	216	6.269	6.274	-0.005	97	35274	5.00	4.71	
48 2-tertbutyl-4-methylphenol	149	6.317	6.322	-0.005	90	51119	5.00	4.76	
49 2,4,6-Trichlorophenol	196	6.384	6.389	-0.005	86	23937	5.00	4.71	
50 2,4,5-Trichlorophenol	196	6.416	6.421	-0.005	95	27221	5.00	4.92	
$ 51 2-Fluorobiphenyl	172	6.467	6.473	-0.006	96	93061	5.00	4.84	
52 1,1'-Biphenyl	154	6.563	6.568	-0.005	97	103229	5.00	4.92	
53 2-Chloronaphthalene	162	6.575	6.581	-0.006	97	78657	5.00	4.98	
54 Phenyl ether	170	6.665	6.671	-0.006	92	54267	5.00	4.87	
55 2-Nitroaniline	65	6.678	6.687	-0.009	93	39342	5.00	4.87	
57 1,3-Dimethylnaphthalene	156	6.786	6.792	-0.006	91	65204	5.00	4.89	
58 Dimethyl phthalate	163	6.863	6.875	-0.012	97	88721	5.00	4.90	
59 Coumarin	146	6.872	6.885	-0.013	80	32617	5.00	4.82	
60 2,6-Dinitrotoluene	165	6.917	6.927	-0.010	90	20082	5.00	4.95	
63 Acenaphthylene	152	6.971	6.978	-0.007	96	120638	5.00	4.88	
64 3-Nitroaniline	65	7.070	7.083	-0.013	90	38957	5.00	4.77	
* 65 Acenaphthene-d10	164	7.109	7.112	-0.003	96	534330	40.0	40.0	
67 Acenaphthene	154	7.137	7.144	-0.007	98	73994	5.00	4.88	
66 3,5-di-tert-butyl-4-hydroxytol	205	7.141	7.147	-0.006	97	50768	5.00	4.33	
68 2,4-Dinitrophenol	184	7.173	7.189	-0.016	85	18785	10.0	8.84	
69 4-Nitrophenol	65	7.240	7.259	-0.019	92	41496	10.0	8.79	
70 2,4-Dinitrotoluene	165	7.297	7.310	-0.013	90	26412	5.00	4.77	
71 Dibenzofuran	168	7.304	7.310	-0.006	96	109791	5.00	4.93	
72 2,3,4,6-Tetrachlorophenol	232	7.422	7.429	-0.007	92	20508	5.00	4.57	
73 Diethyl phthalate	149	7.540	7.553	-0.013	97	93538	5.00	5.05	
74 Fluorene	166	7.629	7.636	-0.007	95	90015	5.00	4.91	
75 4-Chlorophenyl phenyl ether	204	7.639	7.643	-0.004	87	40150	5.00	4.95	
76 4-Nitroaniline	138	7.648	7.675	-0.027	97	24594	5.00	4.90	
77 4,6-Dinitro-2-methylphenol	198	7.684	7.704	-0.020	74	30458	10.0	9.03	
78 N-Nitrosodiphenylamine	169	7.751	7.761	-0.010	72	63929	5.00	4.84	
134 Azobenzene	77	7.789	7.796	-0.007	98	122357	5.00	5.01	
79 1,2-Diphenylhydrazine	77	7.789	7.796	-0.007	51	122357	5.00	5.00	
$ 80 2,4,6-Tribromophenol	330	7.859	7.867	-0.008	96	18020	5.00	4.48	
81 4-Bromophenyl phenyl ether	248	8.102	8.110	-0.008	84	24312	5.00	4.76	
82 Hexachlorobenzene	284	8.150	8.158	-0.008	95	31567	5.00	4.99	
83 Atrazine	200	8.271	8.279	-0.008	82	23712	5.00	4.88	
84 Pentachlorophenol	266	8.341	8.353	-0.012	95	36608	10.0	8.79	
85 Pentachloronitrobenzene	237	8.354	8.362	-0.008	87	9412	5.00	4.55	
86 n-Octadecane	57	8.453	8.455	-0.002	93	94432	5.00	4.96	
* 87 Phenanthrene-d10	188	8.524	8.529	-0.005	98	978819	40.0	40.0	

DRAFT

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
88 Phenanthrene	178	8.543	8.551	-0.008	98	123709	5.00	4.85	
89 Anthracene	178	8.591	8.599	-0.008	97	125656	5.00	4.80	
90 Carbazole	167	8.750	8.759	-0.009	96	121158	5.00	4.83	
91 Di-n-butyl phthalate	149	9.108	9.110	-0.002	99	147795	5.00	4.77	a
92 Fluoranthene	202	9.676	9.682	-0.006	96	129476	5.00	4.66	
93 Benzidine	184	9.816	9.823	-0.007	99	73565	5.00	5.36	
94 Pyrene	202	9.890	9.896	-0.006	95	136847	5.00	4.92	
95 Bisphenol-A	213	9.957	9.964	-0.007	97	55701	5.00	4.66	
$ 96 Terphenyl-d14	244	10.056	10.063	-0.007	97	116184	5.00	4.95	
97 Butyl benzyl phthalate	149	10.564	10.571	-0.007	97	58525	5.00	4.54	
99 Carbamazepine	193	10.653	10.667	-0.014	93	31537	5.00	5.14	
100 3,3'-Dichlorobenzidine	252	11.122	11.130	-0.008	98	49902	5.00	4.78	
101 Benzo[a]anthracene	228	11.138	11.143	-0.005	99	127768	5.00	4.78	
* 102 Chrysene-d12	240	11.151	11.156	-0.005	98	780480	40.0	40.0	
103 Chrysene	228	11.177	11.188	-0.011	97	120326	5.00	4.97	
104 Bis(2-ethylhexyl) phthalate	149	11.225	11.227	-0.001	90	83375	5.00	4.72	
105 Di-n-octyl phthalate	149	12.048	12.054	-0.006	96	139840	5.00	4.60	
106 Benzo[b]fluoranthene	252	12.473	12.489	-0.016	97	121892	5.00	4.91	
107 Benzo[k]fluoranthene	252	12.508	12.531	-0.023	98	125618	5.00	4.92	
108 Benzo[a]pyrene	252	12.914	12.930	-0.016	95	111212	5.00	4.81	
* 109 Perylene-d12	264	13.004	13.007	-0.003	98	870166	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.502	14.533	-0.031	98	119068	5.00	4.76	a
111 Dibenz(a,h)anthracene	278	14.547	14.578	-0.031	97	116775	5.00	4.77	a
112 Benzo[g,h,i]perylene	276	14.908	14.946	-0.038	95	110818	5.00	4.81	
S 119 Total Cresols	1				0			9.76	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

SV_BNA_L4_00006 Amount Added: 1.00 Units: mL

DRAFT

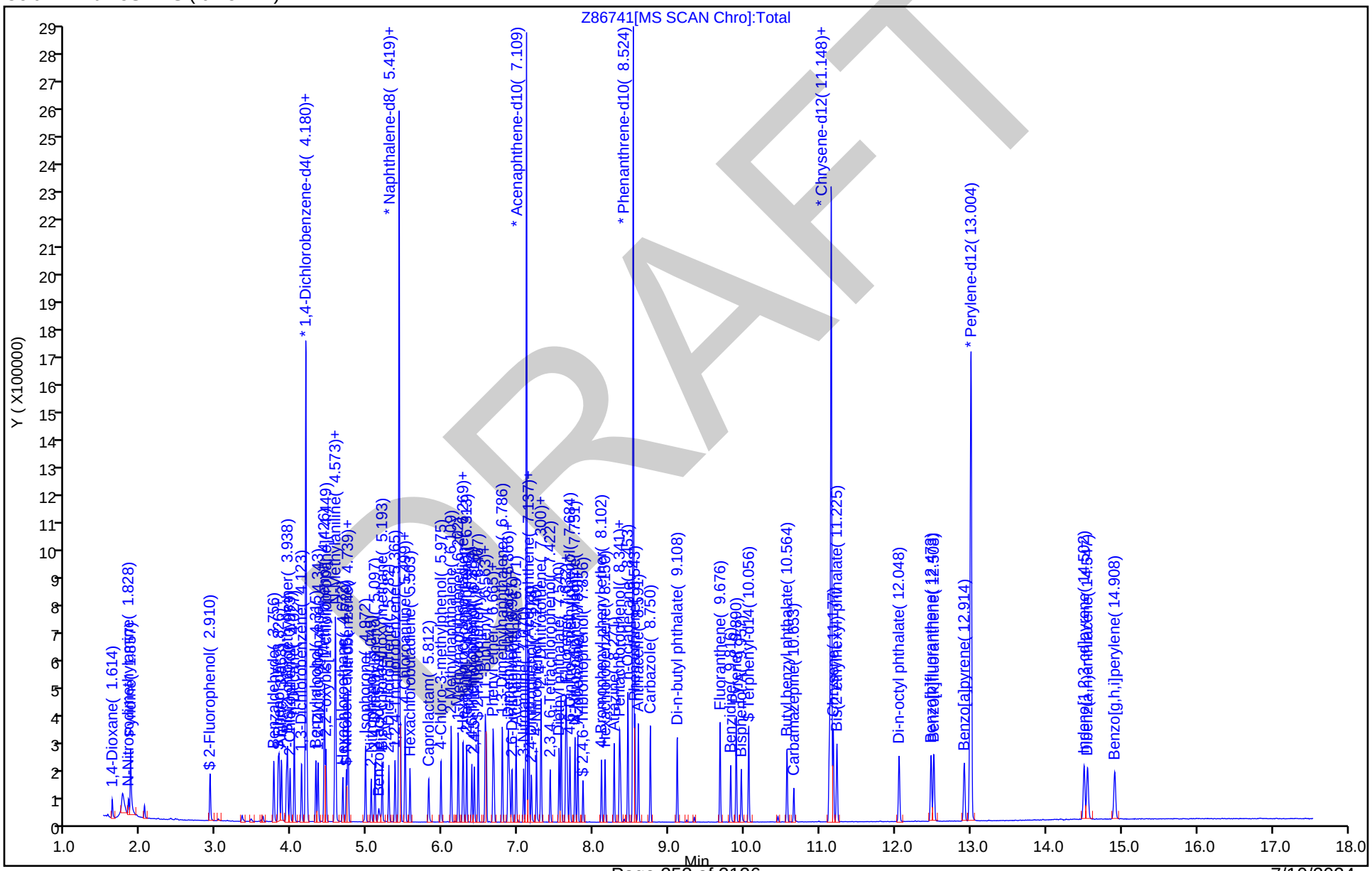
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Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS11\20240624-177537.b\Z86741.d

Injection Date:	24-Jun-2024 07:59:30	Instrument ID:	CBNAMS11	Operator ID:	
Lims ID:	STD5			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8270_11R_9	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



DRAFT

7/10/2024
4:48:04 PM

Manual Integration/User Assign Peak Report

Eurofins Edison

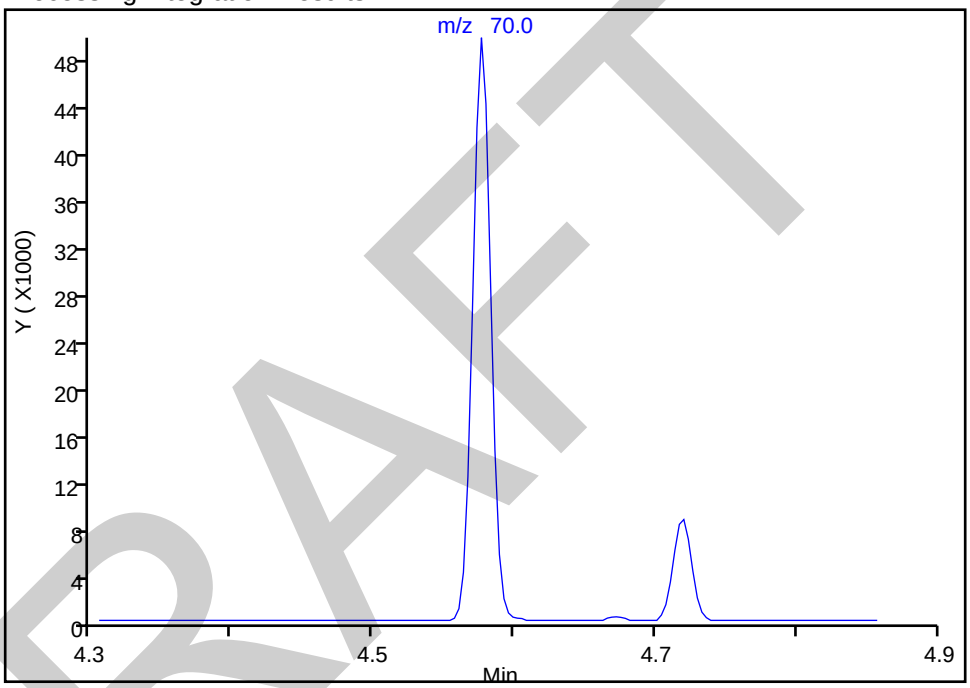
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Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_11R_9 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

21 N-Nitrosodi-n-propylamine, CAS: 621-64-7

Signal: 1

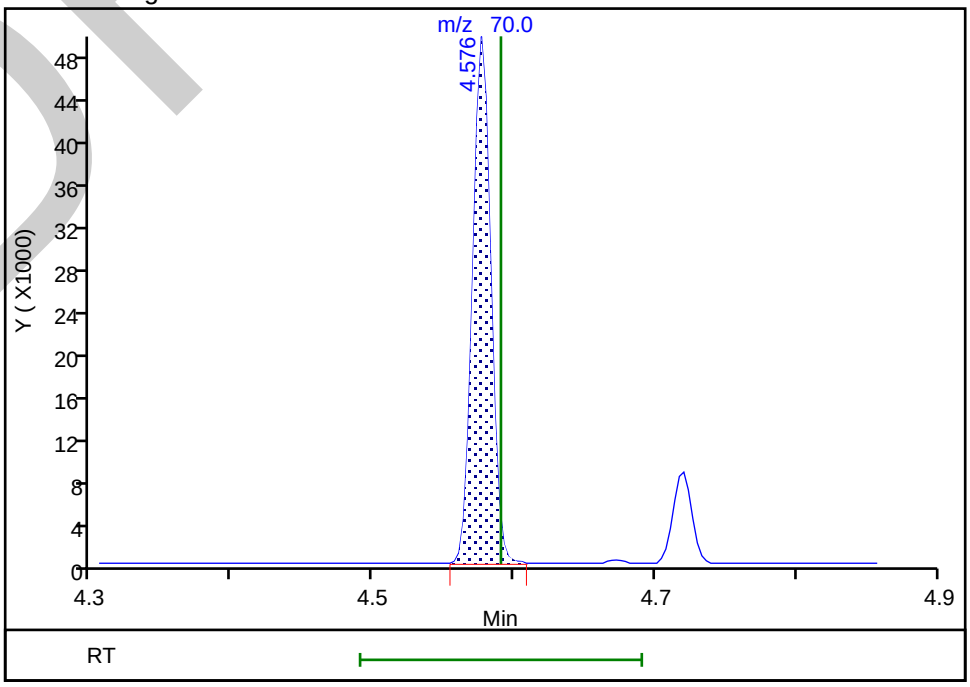
Not Detected
Expected RT: 4.59

Processing Integration Results



Manual Integration Results

RT: 4.58
Area: 44098
Amount: 4.985942
Amount Units: ug/ml



Reviewer: G4KC, 24-Jun-2024 08:20:34 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

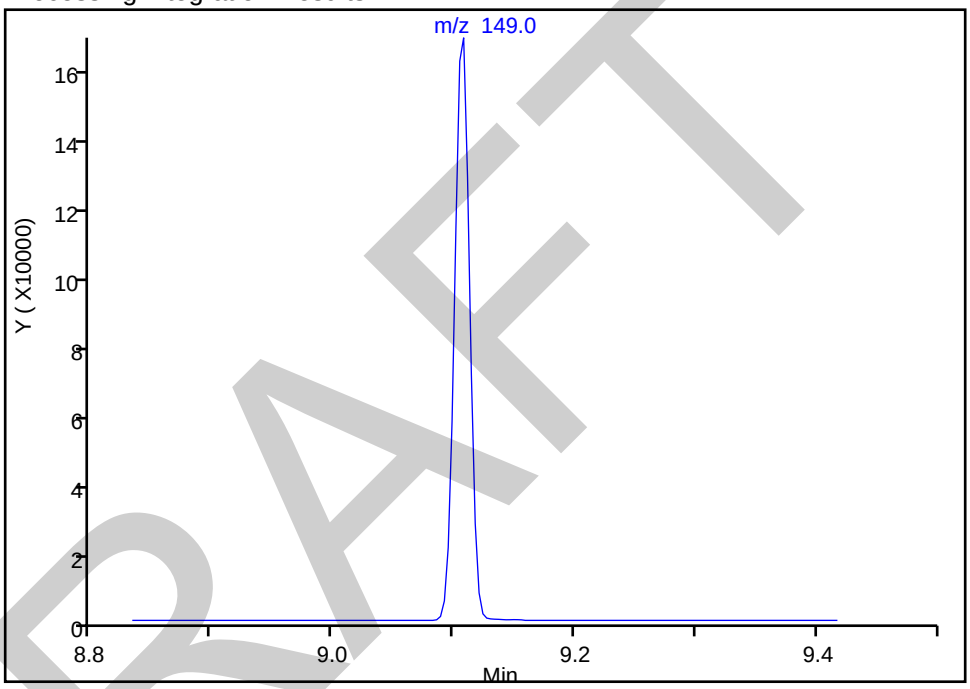
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Injection Date: 24-Jun-2024 07:59:30 Instrument ID: CBNAMS11
Lims ID: STD5
Client ID:
Operator ID: ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_11R_9 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

91 Di-n-butyl phthalate, CAS: 84-74-2

Signal: 1

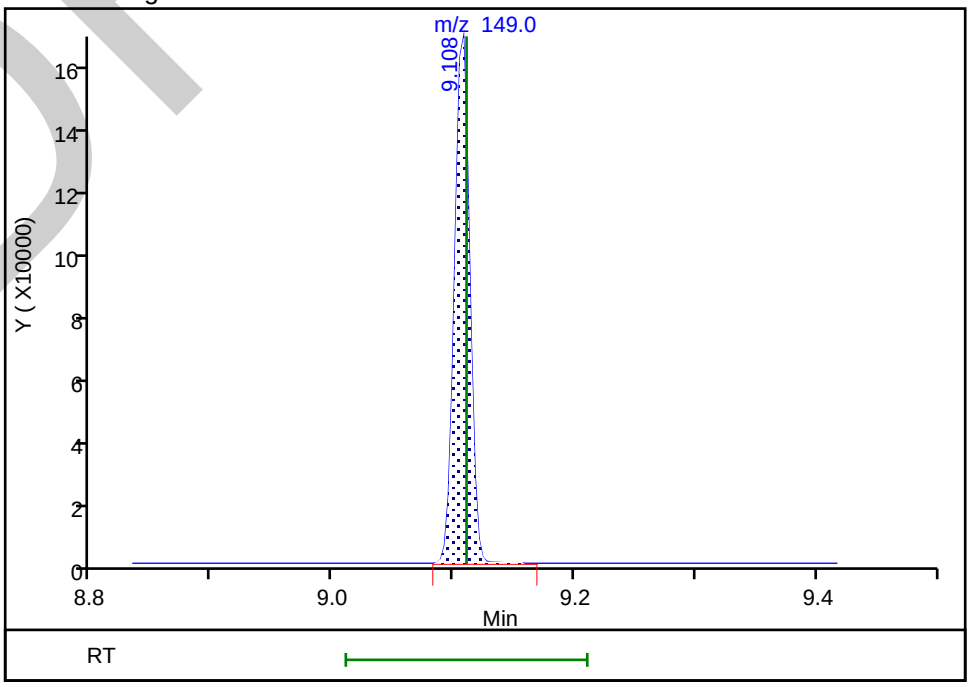
Not Detected
Expected RT: 9.11

Processing Integration Results



Manual Integration Results

RT: 9.11
Area: 147795
Amount: 4.765512
Amount Units: ug/ml



Reviewer: G4KC, 24-Jun-2024 08:19:58 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

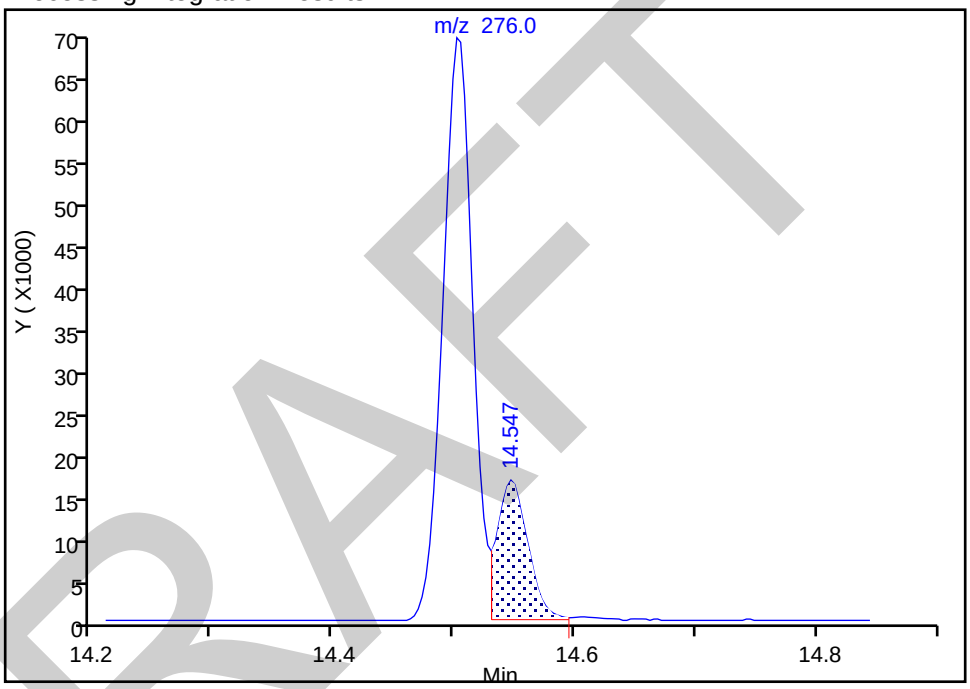
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Injection Date:	24-Jun-2024 07:59:30	Instrument ID:	CBNAMS11		
Lims ID:	STD5				
Client ID:					
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

110 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

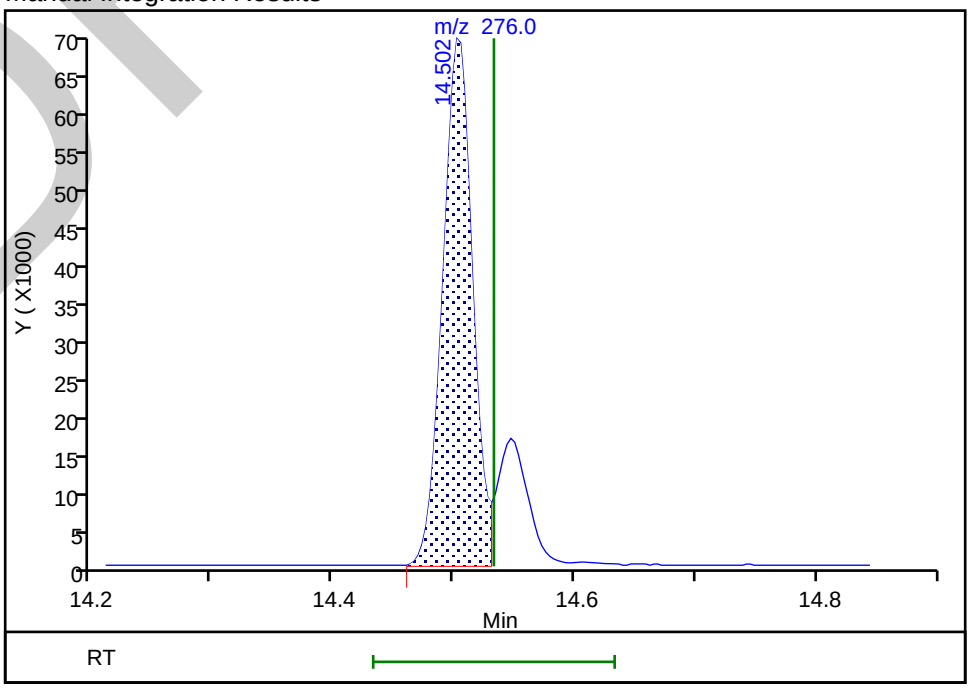
Processing Integration Results

RT: 14.55
Area: 29655
Amount: 4.367820
Amount Units: ug/ml



Manual Integration Results

RT: 14.50
Area: 119068
Amount: 4.758327
Amount Units: ug/ml



Reviewer: G4KC, 24-Jun-2024 08:20:06 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

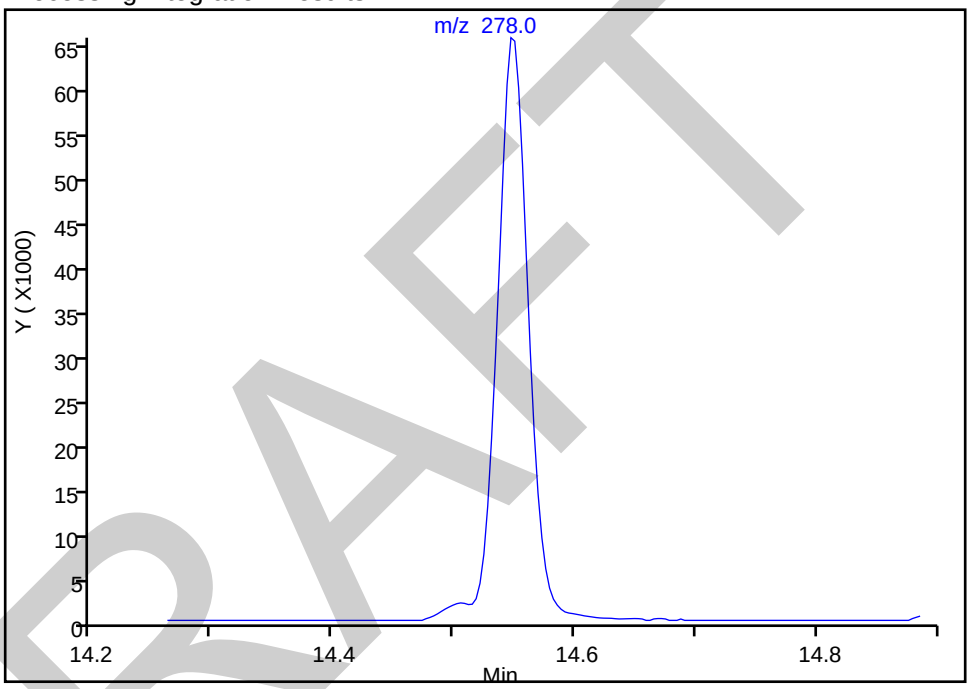
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Injection Date:	24-Jun-2024 07:59:30	Instrument ID:	CBNAMS11		
Lims ID:	STD5				
Client ID:					
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

111 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

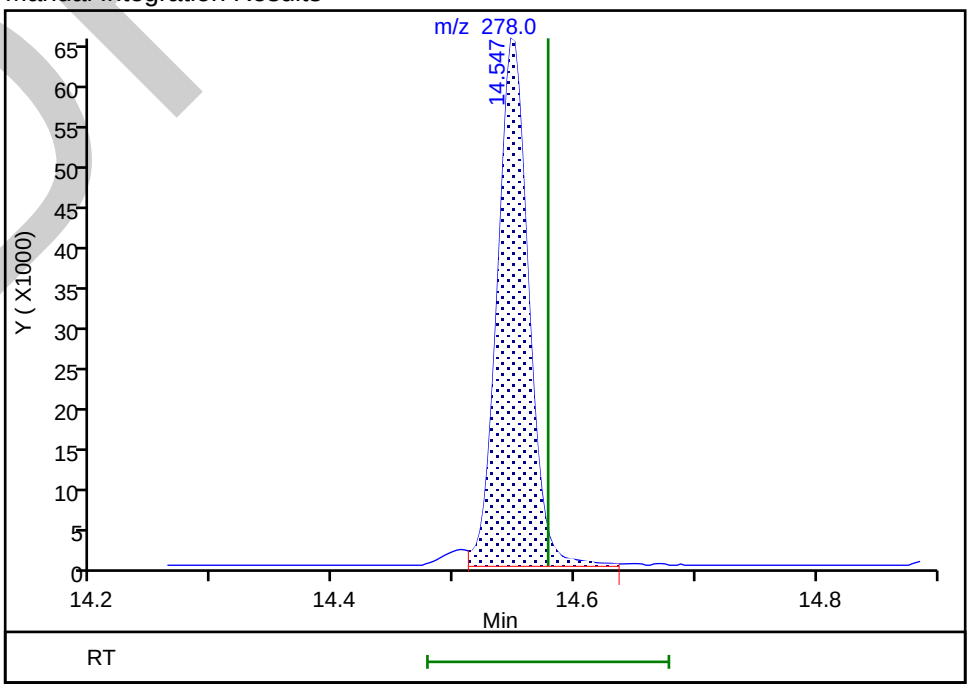
Not Detected
Expected RT: 14.58

Processing Integration Results



Manual Integration Results

RT: 14.55
Area: 116775
Amount: 4.770791
Amount Units: ug/ml



Reviewer: G4KC, 24-Jun-2024 08:20:00 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

DRAFT

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS11\20240624-177537.b\Z86742.d
Lims ID: STD2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 24-Jun-2024 08:22:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0177537-008
Operator ID: Instrument ID: CBNAMS11
Sublist: chrom-8270_11R_9*sub51

Method: \\chromfs\Edison\ChromData\CBNAMS11\20240624-177537.b\8270_11R_9.m
Limit Group: SV 8270E ICAL
Last Update: 24-Jun-2024 10:02:55 Calib Date: 24-Jun-2024 09:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS11\20240624-177537.b\Z86744.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1642

First Level Reviewer: G4KC Date: 24-Jun-2024 08:41:16

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.620	1.617	0.003	95	8263	2.00	2.02	
	3 Pyridine	79	1.866	1.857	0.009	86	40046	4.00	3.84	
$	4 2-Fluorophenol	112	2.913	2.917	-0.004	88	19353	2.00	1.93	
	5 Benzaldehyde	77	3.759	3.760	-0.001	93	20227	2.00	1.99	
$	6 Phenol-d5	99	3.816	3.827	-0.011	96	27229	2.00	1.93	
	9 Bis(2-chloroethyl)ether	93	3.925	3.935	-0.010	91	22321	2.00	2.07	
*	14 1,4-Dichlorobenzene-d4	152	4.180	4.184	-0.004	98	265936	40.0	40.0	
	21 N-Nitrosodi-n-propylamine	70	4.576	4.590	-0.014	92	18815	2.00	2.05	
	25 Hexachloroethane	117	4.672	4.677	-0.005	93	7764	2.00	2.01	
$	26 Nitrobenzene-d5	82	4.720	4.728	-0.008	90	25502	2.00	1.98	
	28 n,n'-Dimethylaniline	120	4.742	4.750	-0.008	98	31016	2.00	1.99	
	27 Nitrobenzene	123	4.739	4.750	-0.011	89	9690	2.00	1.96	
	31 Isophorone	82	4.972	4.986	-0.014	99	43294	2.00	1.94	
	36 2,4-Dichlorophenol	162	5.282	5.290	-0.008	91	13806	2.00	1.88	
	37 1,2,4-Trichlorobenzene	180	5.365	5.370	-0.005	93	15516	2.00	1.99	
*	38 Naphthalene-d8	136	5.419	5.424	-0.005	99	1074220	40.0	40.0	
	133 2,6-Dichlorophenol	162	5.502	5.507	-0.005	91	13815	2.00	1.91	
	41 Hexachlorobutadiene	225	5.563	5.565	-0.002	95	8368	2.00	2.05	
	42 Caprolactam	113	5.802	5.910	-0.108	87	5226	2.00	1.60	a
	49 2,4,6-Trichlorophenol	196	6.383	6.389	-0.006	86	10009	2.00	1.91	
$	51 2-Fluorobiphenyl	172	6.466	6.473	-0.007	97	38395	2.00	1.94	
	60 2,6-Dinitrotoluene	165	6.916	6.927	-0.011	88	8032	2.00	1.92	
*	65 Acenaphthene-d10	164	7.108	7.112	-0.004	96	551016	40.0	40.0	
	68 2,4-Dinitrophenol	184	7.175	7.189	-0.014	83	5320	4.00	4.21	
	70 2,4-Dinitrotoluene	165	7.296	7.310	-0.014	86	10587	2.00	1.86	
	77 4,6-Dinitro-2-methylphenol	198	7.683	7.704	-0.021	73	10475	4.00	3.02	
$	80 2,4,6-Tribromophenol	330	7.858	7.867	-0.009	95	7330	2.00	1.77	
	82 Hexachlorobenzene	284	8.149	8.158	-0.009	96	12663	2.00	1.95	
	83 Atrazine	200	8.270	8.279	-0.009	84	9517	2.00	1.91	
	84 Pentachlorophenol	266	8.343	8.353	-0.010	95	13840	4.00	3.23	
*	87 Phenanthrene-d10	188	8.522	8.529	-0.007	98	1005289	40.0	40.0	

DRAFT

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
91 Di-n-butyl phthalate	149	9.107	9.110	-0.004	99	59396	2.00	1.86	Ma
$ 96 Terphenyl-d14	244	10.054	10.063	-0.009	97	47682	2.00	1.97	
100 3,3'-Dichlorobenzidine	252	11.124	11.130	-0.006	98	19595	2.00	1.82	
101 Benzo[a]anthracene	228	11.137	11.143	-0.006	99	54425	2.00	1.98	
* 102 Chrysene-d12	240	11.149	11.156	-0.007	99	804237	40.0	40.0	
106 Benzo[b]fluoranthene	252	12.471	12.489	-0.018	97	51726	2.00	1.93	
107 Benzo[k]fluoranthene	252	12.510	12.531	-0.021	99	53389	2.00	1.93	
108 Benzo[a]pyrene	252	12.912	12.930	-0.018	96	47841	2.00	1.91	
* 109 Perylene-d12	264	13.005	13.007	-0.002	98	940714	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.500	14.533	-0.033	97	49701	2.00	1.84	a
111 Dibenz(a,h)anthracene	278	14.548	14.578	-0.030	96	49561	2.00	1.87	a
112 Benzo[g,h,i]perylene	276	14.906	14.946	-0.040	95	47251	2.00	1.90	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SV_BNA_L3_00006 Amount Added: 1.00 Units: mL

DRAFT

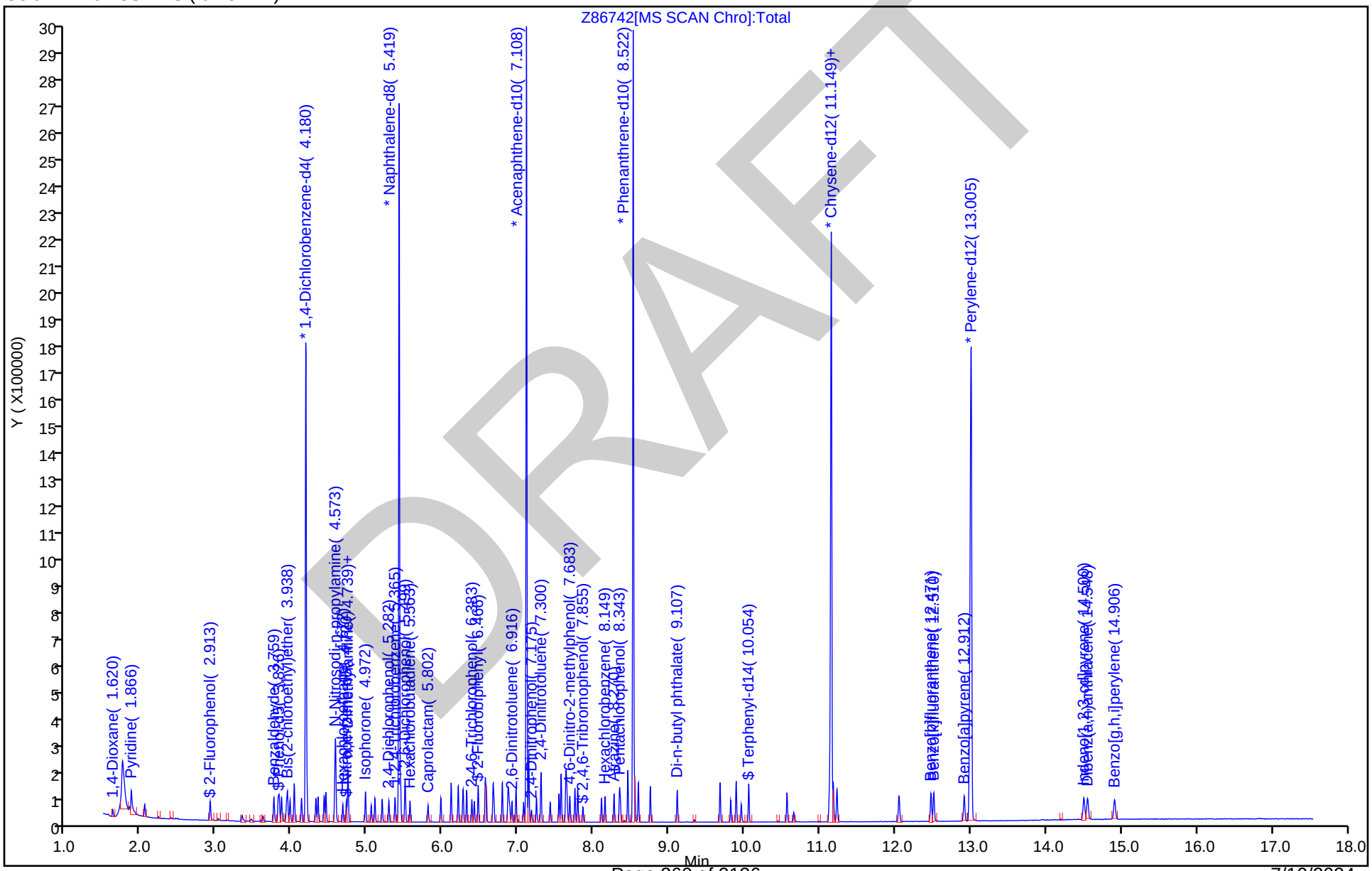
Report Date: 24-Jun-2024 10:02:56 Chrom Revision: 2.3 23-Jun-2024 11:08:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS11\20240624-177537.b\Z86742.d

Injection Date:	24-Jun-2024 08:22:30	Instrument ID:	CBNAMS11	Operator ID:	
Lims ID:	STD2			Worklist Smp#:	8
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	8
Method:	8270_11R_9	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

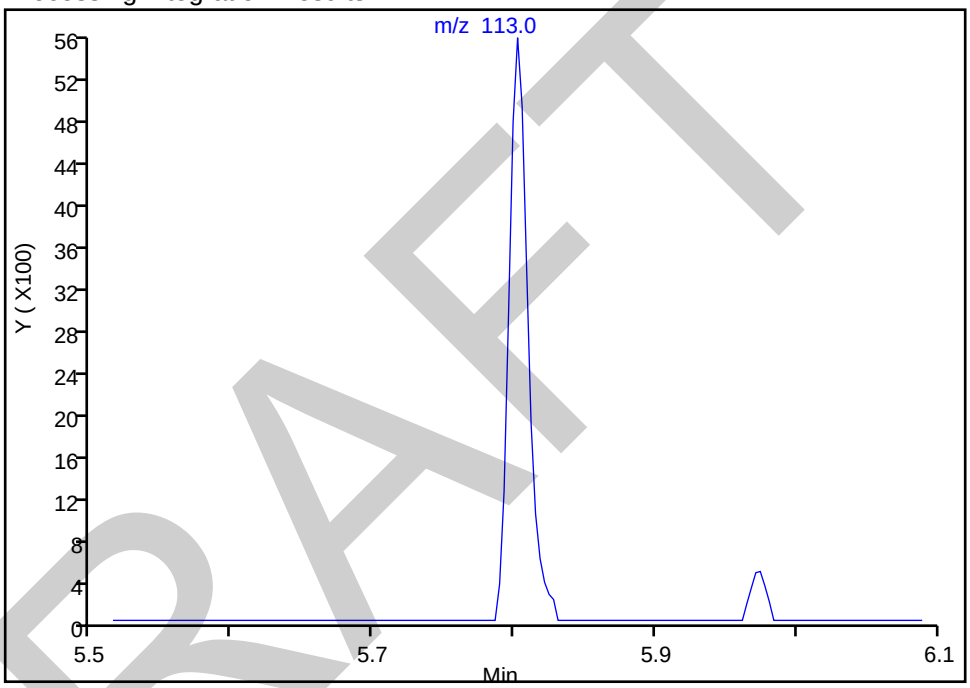
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Injection Date:	24-Jun-2024 08:22:30	Instrument ID:	CBNAMS11		
Lims ID:	STD2				
Client ID:					
Operator ID:		ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

42 Caprolactam, CAS: 105-60-2

Signal: 1

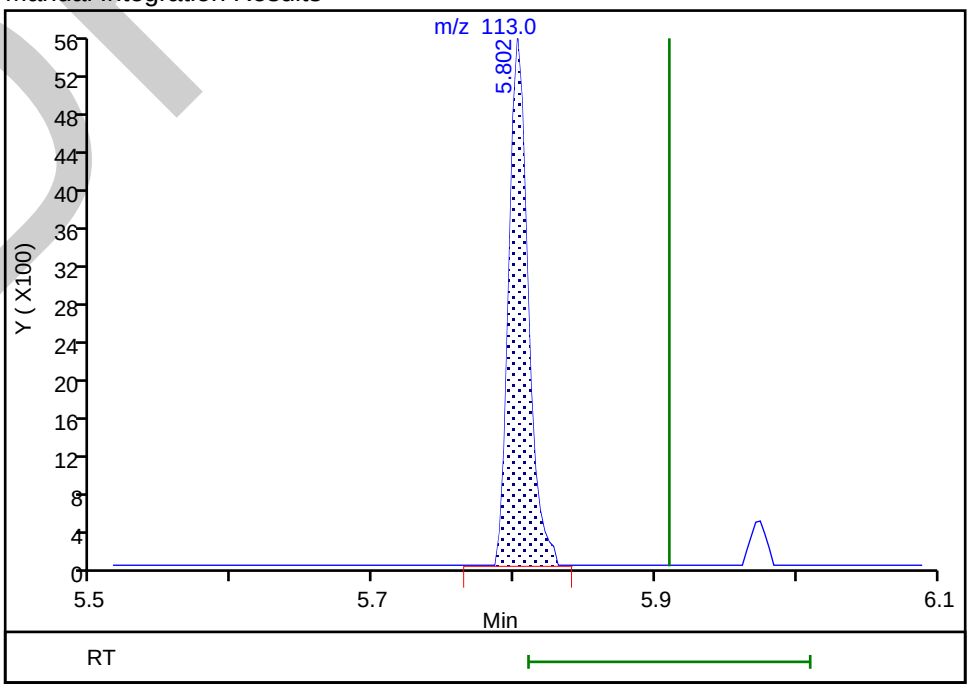
Not Detected
Expected RT: 5.91

Processing Integration Results



Manual Integration Results

RT: 5.80
Area: 5226
Amount: 1.599634
Amount Units: ug/ml



Reviewer: G4KC, 24-Jun-2024 08:40:41 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

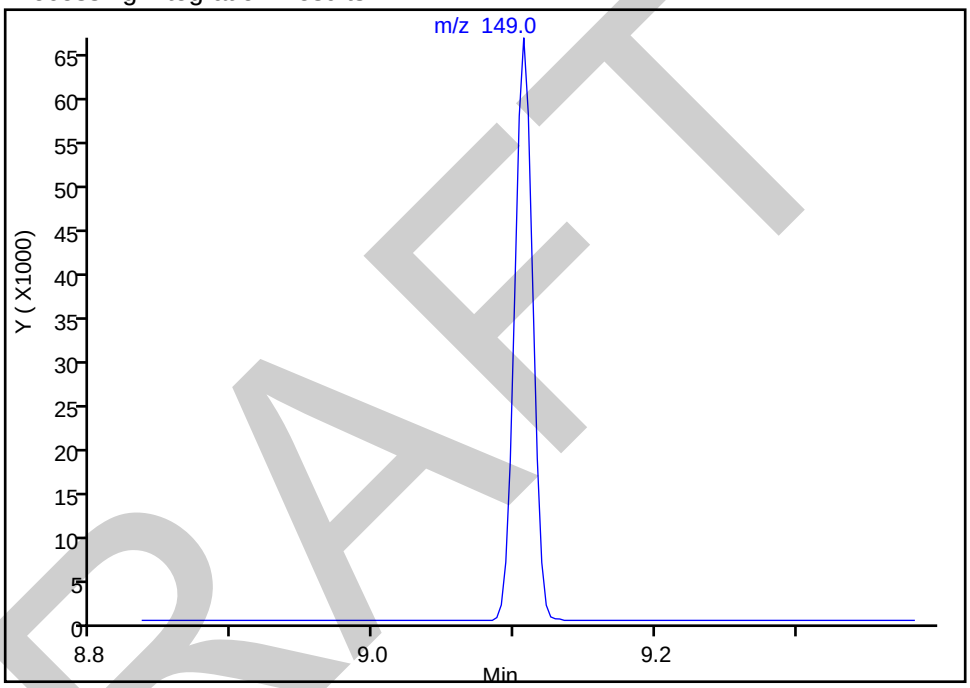
Data File:	\\chromfs\Edison\ChromData\CBNAMS11\20240624-177537.b\Z86742.d				
Injection Date:	24-Jun-2024 08:22:30	Instrument ID:	CBNAMS11		
Lims ID:	STD2				
Client ID:					
Operator ID:		ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

91 Di-n-butyl phthalate, CAS: 84-74-2

Signal: 1

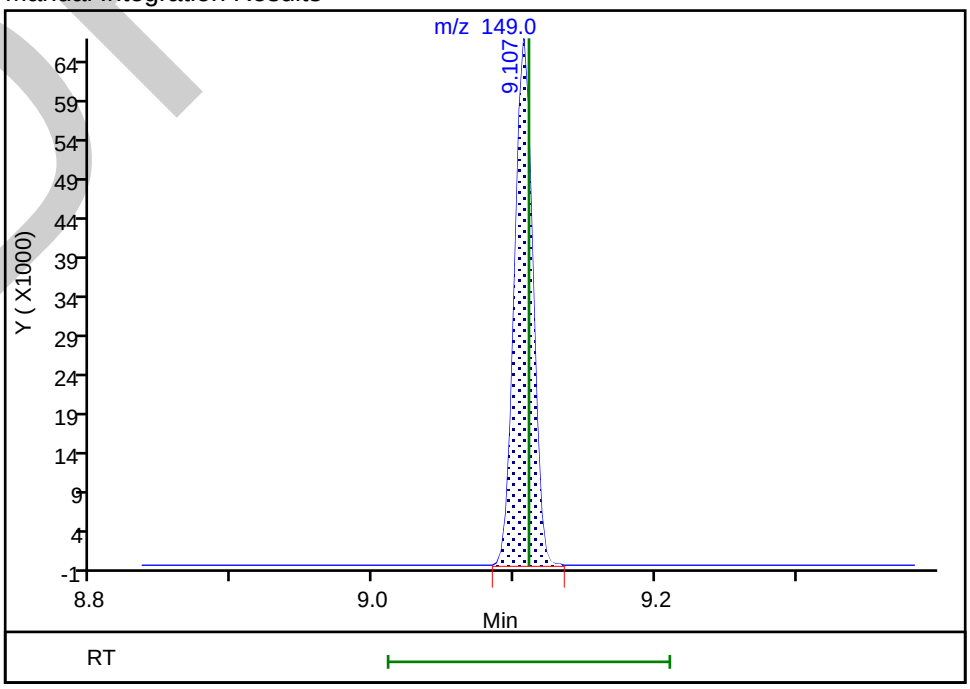
Not Detected
Expected RT: 9.11

Processing Integration Results



Manual Integration Results

RT: 9.11
Area: 59396
Amount: 1.864741
Amount Units: ug/ml



Reviewer: G4KC, 24-Jun-2024 08:40:57 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Missed Peak

DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

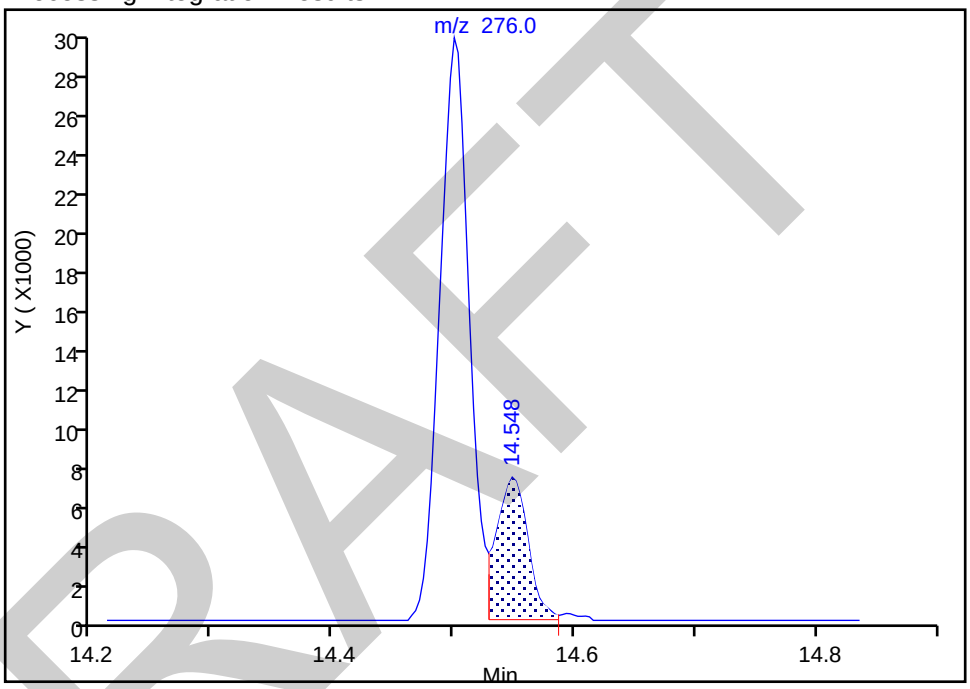
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Injection Date: 24-Jun-2024 08:22:30 Instrument ID: CBNAMS11
Lims ID: STD2
Client ID:
Operator ID: ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_11R_9 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

110 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

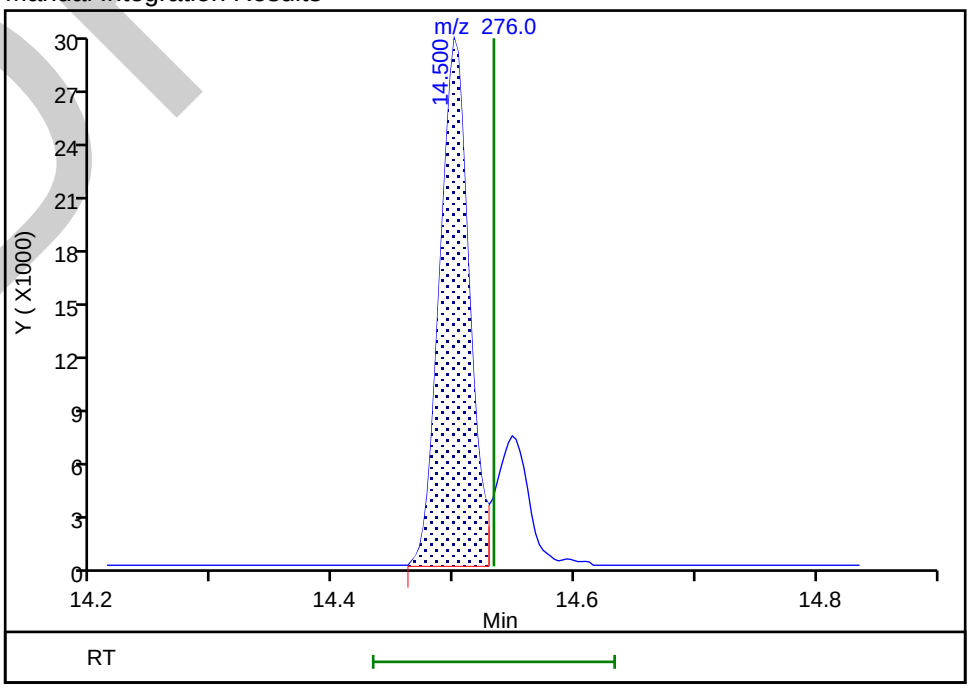
Processing Integration Results

RT: 14.55
Area: 13151
Amount: 1.920656
Amount Units: ug/ml



Manual Integration Results

RT: 14.50
Area: 49701
Amount: 1.837253
Amount Units: ug/ml



Reviewer: G4KC, 24-Jun-2024 08:41:02 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Missed Peak

DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

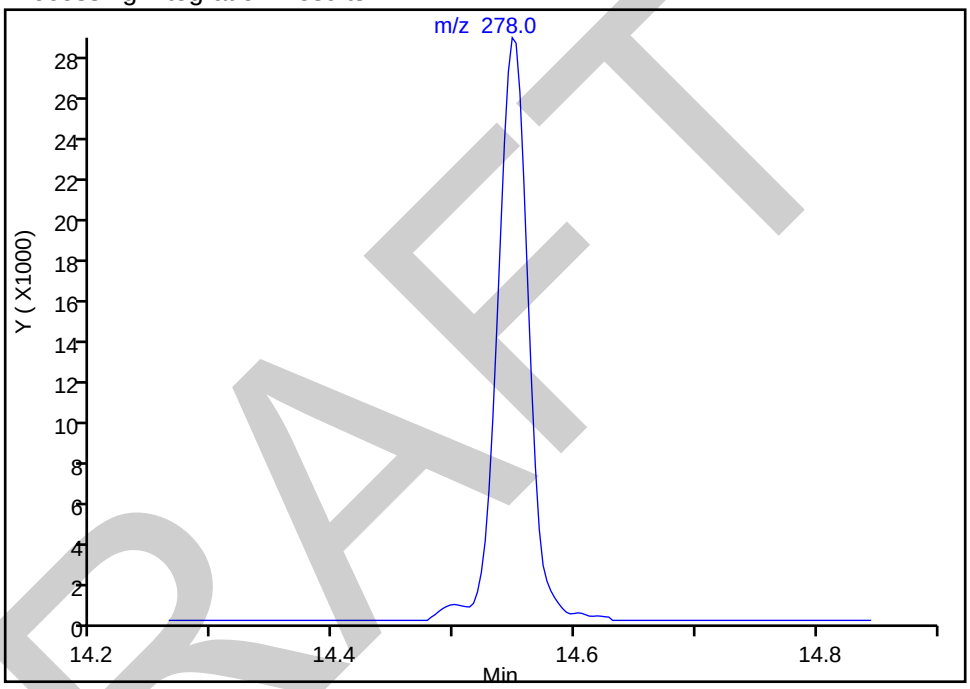
Data File:	\\chromfs\Edison\ChromData\CBNAMS11\20240624-177537.b\Z86742.d				
Injection Date:	24-Jun-2024 08:22:30	Instrument ID:	CBNAMS11		
Lims ID:	STD2				
Client ID:					
Operator ID:		ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

111 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

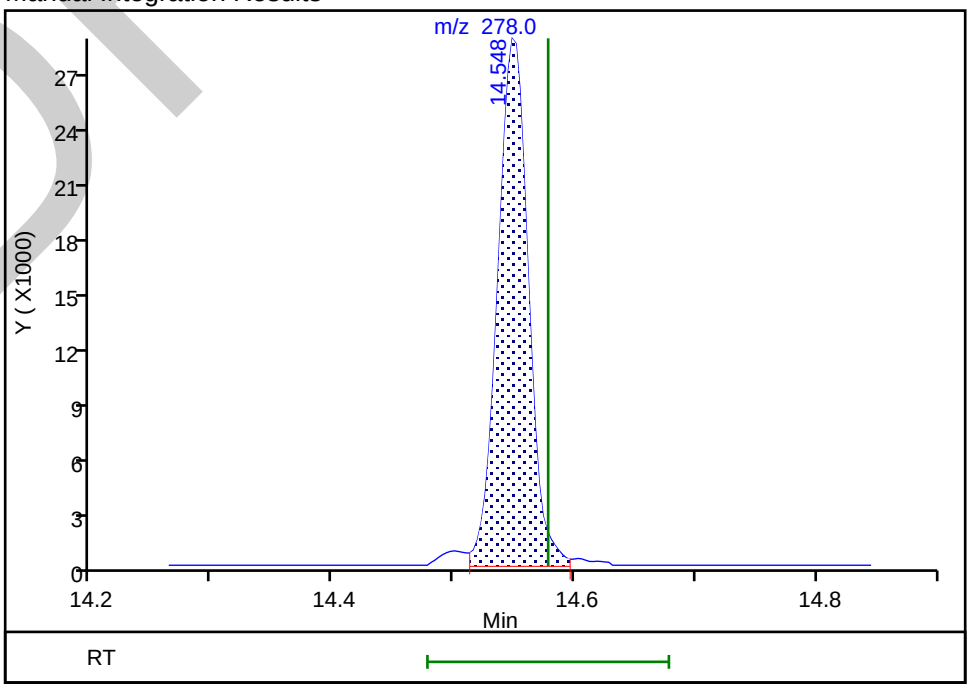
Not Detected
Expected RT: 14.58

Processing Integration Results



Manual Integration Results

RT: 14.55
Area: 49561
Amount: 1.872945
Amount Units: ug/ml



Reviewer: G4KC, 24-Jun-2024 08:41:04 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Missed Peak

DRAFT

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS11\20240624-177537.b\Z86743.d
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 24-Jun-2024 08:44:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0177537-009
Operator ID: Instrument ID: CBNAMS11
Sublist: chrom-8270_11R_9*sub51

Method: \\chromfs\Edison\ChromData\CBNAMS11\20240624-177537.b\8270_11R_9.m
Limit Group: SV 8270E ICAL
Last Update: 24-Jun-2024 10:02:58 Calib Date: 24-Jun-2024 09:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS11\20240624-177537.b\Z86744.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1642

First Level Reviewer: G4KC Date: 24-Jun-2024 09:06:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.620	1.617	0.003	92	3697	1.00	0.9834	
3 Pyridine	79	1.876	1.857	0.019	88	16117	2.00	1.68	
$ 4 2-Fluorophenol	112	2.913	2.917	-0.004	88	8271	1.00	0.8936	
5 Benzaldehyde	77	3.759	3.760	-0.001	91	9459	1.00	1.01	
$ 6 Phenol-d5	99	3.816	3.827	-0.011	97	12098	1.00	0.9319	
9 Bis(2-chloroethyl)ether	93	3.925	3.935	-0.010	90	10278	1.00	1.03	
* 14 1,4-Dichlorobenzene-d4	152	4.180	4.184	-0.004	98	244899	40.0	40.0	
21 N-Nitrosodi-n-propylamine	70	4.576	4.590	-0.014	92	8537	1.00	1.01	
25 Hexachloroethane	117	4.672	4.677	-0.005	93	3489	1.00	0.9785	
$ 26 Nitrobenzene-d5	82	4.720	4.728	-0.008	89	11584	1.00	0.9652	
27 Nitrobenzene	123	4.739	4.750	-0.011	91	4096	1.00	0.8980	
28 n,n'-Dimethylaniline	120	4.742	4.750	-0.008	95	14400	1.00	1.00	
37 1,2,4-Trichlorobenzene	180	5.364	5.370	-0.006	93	7233	1.00	1.00	
* 38 Naphthalene-d8	136	5.419	5.424	-0.005	99	1002007	40.0	40.0	
41 Hexachlorobutadiene	225	5.562	5.565	-0.003	93	3846	1.00	1.01	
42 Caprolactam	113	5.799	5.910	-0.111	87	2373	1.00	0.7787	a
$ 51 2-Fluorobiphenyl	172	6.469	6.473	-0.004	97	18779	1.00	1.00	
60 2,6-Dinitrotoluene	165	6.913	6.927	-0.014	84	3531	1.00	0.8881	
* 65 Acenaphthene-d10	164	7.107	7.112	-0.005	96	523237	40.0	40.0	
70 2,4-Dinitrotoluene	165	7.296	7.310	-0.014	89	4736	1.00	0.8739	
$ 80 2,4,6-Tribromophenol	330	7.858	7.867	-0.009	94	3221	1.00	0.8173	
82 Hexachlorobenzene	284	8.148	8.158	-0.010	96	5616	1.00	0.8932	
83 Atrazine	200	8.269	8.279	-0.010	84	4292	1.00	0.8901	
* 87 Phenanthrene-d10	188	8.522	8.529	-0.007	99	971932	40.0	40.0	
$ 96 Terphenyl-d14	244	10.053	10.063	-0.010	97	21919	1.00	0.9288	
101 Benzo[a]anthracene	228	11.135	11.143	-0.008	99	26950	1.00	1.00	
* 102 Chrysene-d12	240	11.148	11.156	-0.008	98	785347	40.0	40.0	
106 Benzo[b]fluoranthene	252	12.473	12.489	-0.016	96	24379	1.00	0.9534	
107 Benzo[k]fluoranthene	252	12.508	12.531	-0.023	98	25943	1.00	0.9867	
108 Benzo[a]pyrene	252	12.911	12.930	-0.019	95	22494	1.00	0.9451	
* 109 Perylene-d12	264	13.004	13.007	-0.003	98	895769	40.0	40.0	

DRAFT

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
110 Indeno[1,2,3-cd]pyrene	276	14.502	14.533	-0.031	97	22831	1.00	0.8863	a
111 Dibenz(a,h)anthracene	278	14.543	14.578	-0.035	97	22925	1.00	0.9098	
112 Benzo[g,h,i]perylene	276	14.905	14.946	-0.041	95	22123	1.00	0.9325	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

SV_BNA_L2_00006 Amount Added: 1.00 Units: mL

DRAFT

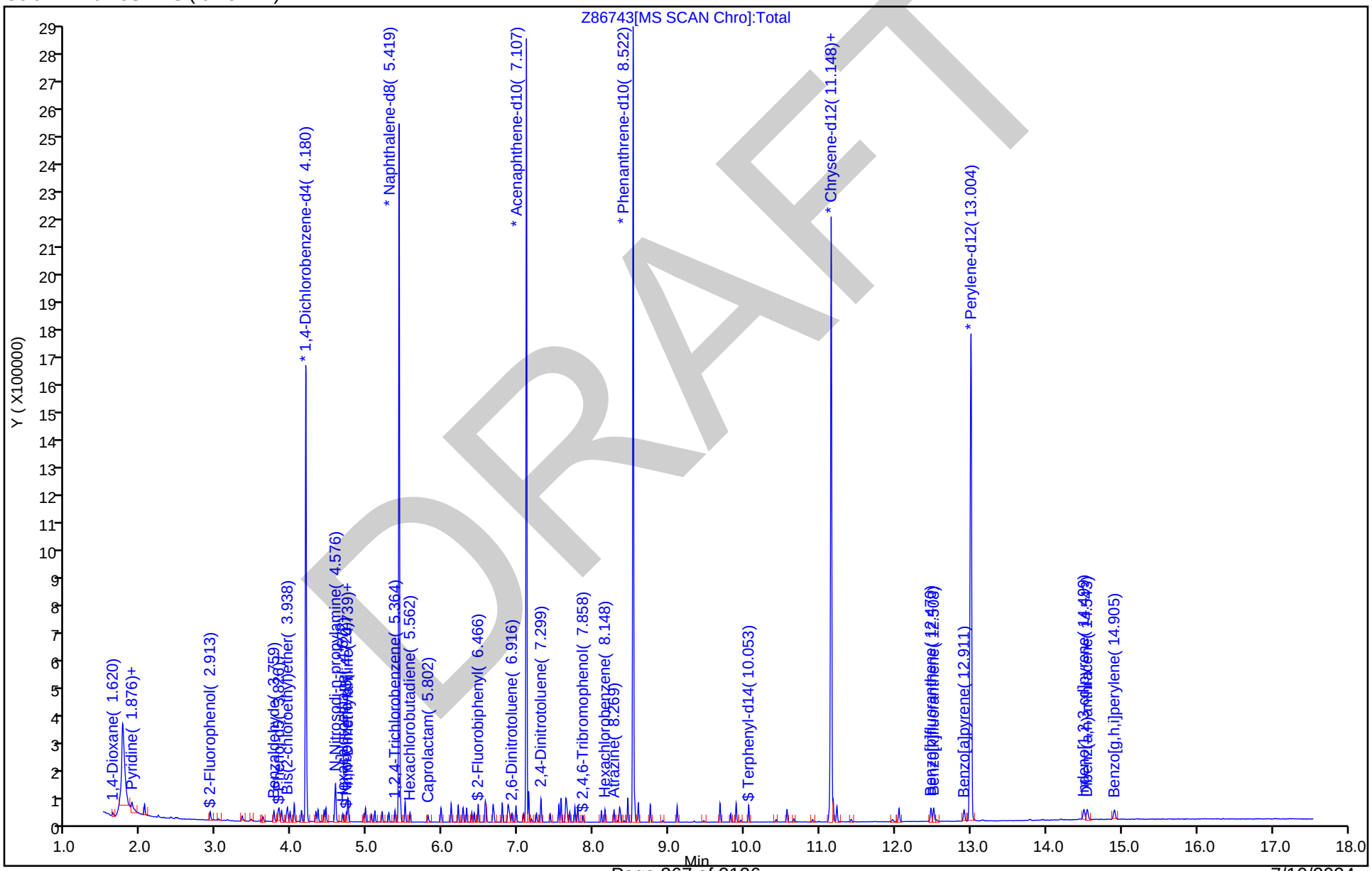
Report Date: 24-Jun-2024 10:02:59 Chrom Revision: 2.3 23-Jun-2024 11:08:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS11\20240624-177537.b\Z86743.d

Injection Date:	24-Jun-2024 08:44:30	Instrument ID:	CBNAMS11	Operator ID:	
Lims ID:	STD1			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8270_11R_9	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



DRAFT

7/10/2024
4:48:04 PM

Manual Integration/User Assign Peak Report

Eurofins Edison

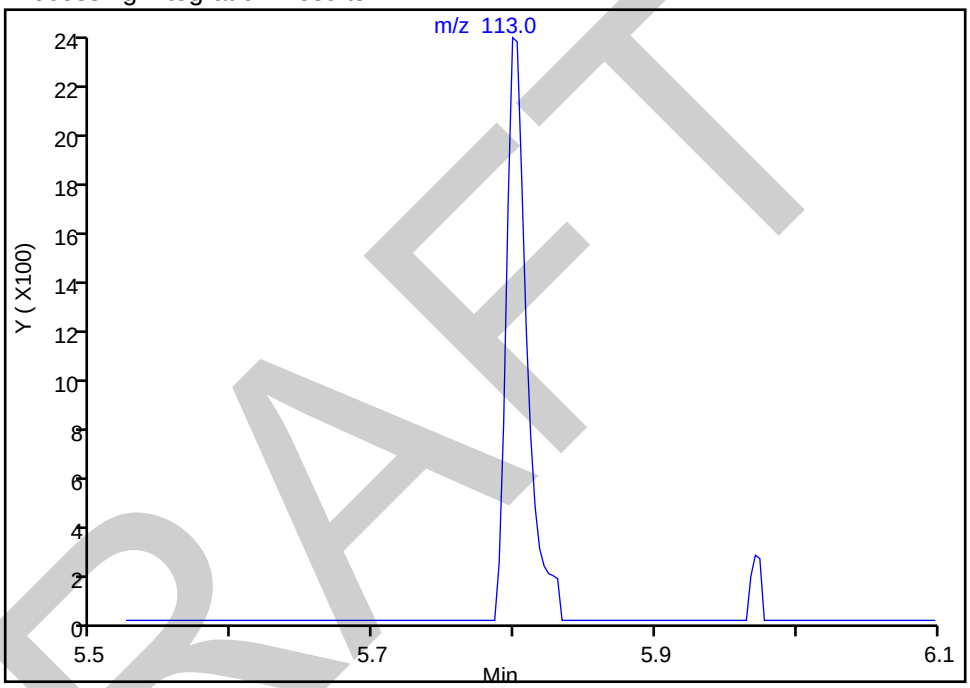
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Injection Date: 24-Jun-2024 08:44:30 Instrument ID: CBNAMS11
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_11R_9 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

42 Caprolactam, CAS: 105-60-2

Signal: 1

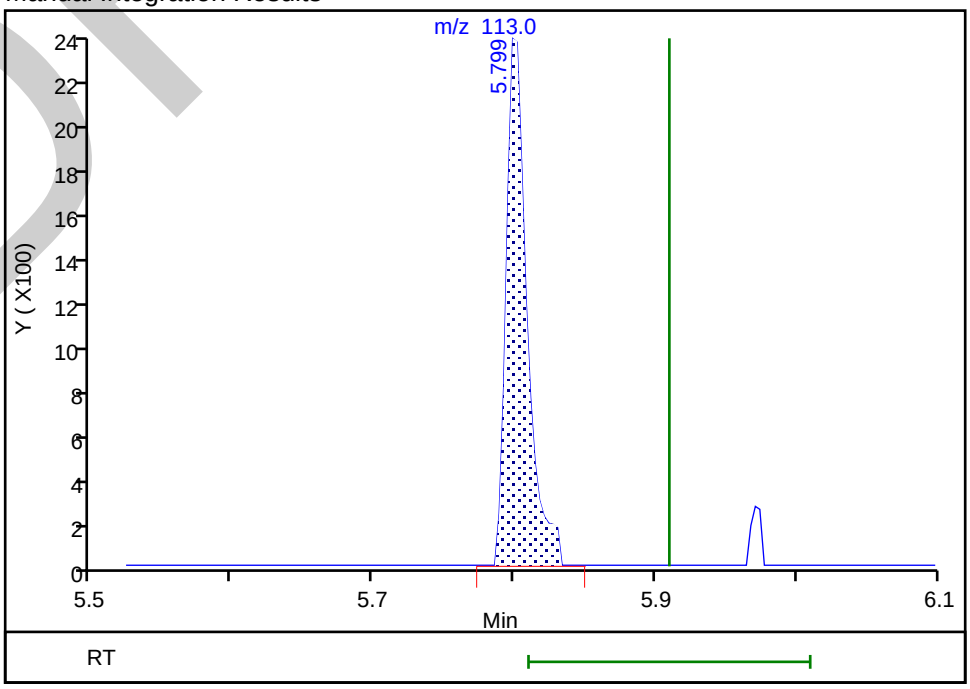
Not Detected
Expected RT: 5.91

Processing Integration Results



Manual Integration Results

RT: 5.80
Area: 2373
Amount: 0.778702
Amount Units: ug/ml



Reviewer: G4KC, 24-Jun-2024 09:06:39 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

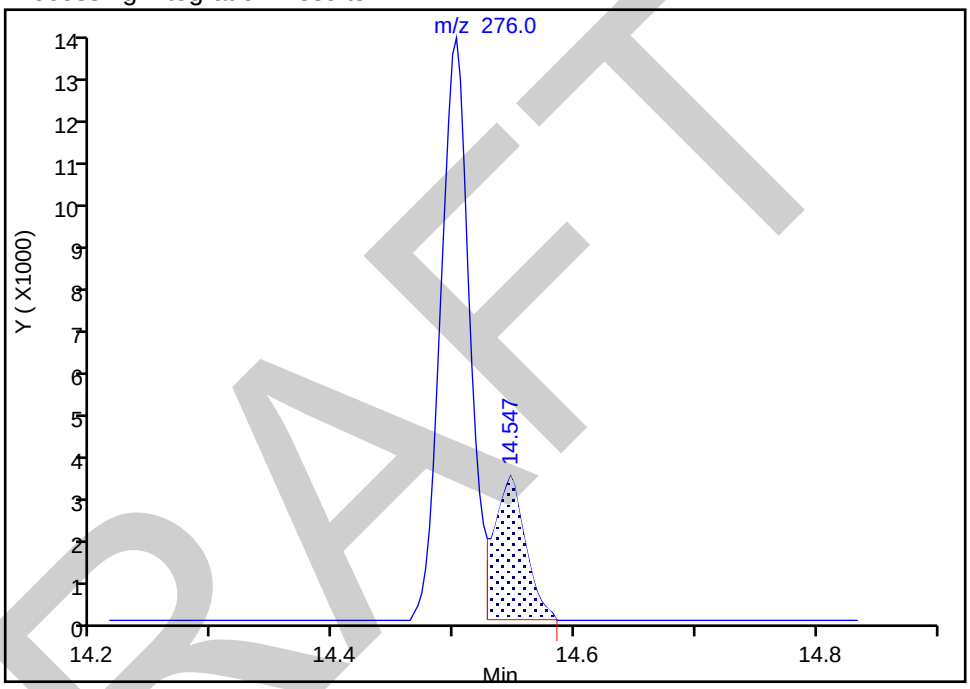
Data File:	\\chromfs\Edison\ChromData\CBNAMS11\20240624-177537.b\Z86743.d				
Injection Date:	24-Jun-2024 08:44:30	Instrument ID:	CBNAMS11		
Lims ID:	STD1				
Client ID:					
Operator ID:		ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_11R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

110 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

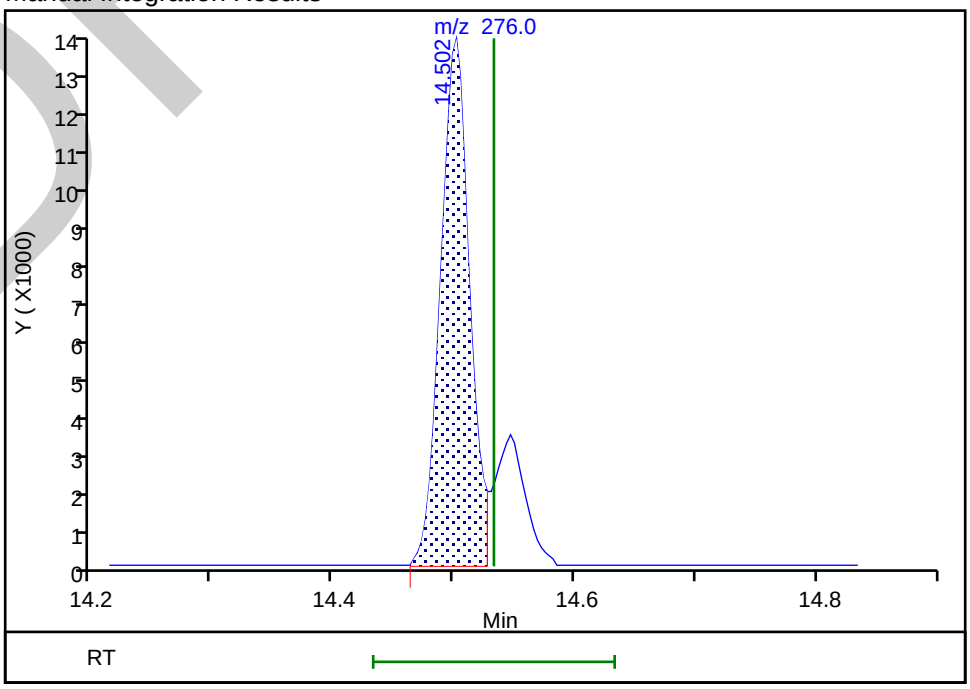
Processing Integration Results

RT: 14.55
Area: 6140
Amount: 0.924016
Amount Units: ug/ml



Manual Integration Results

RT: 14.50
Area: 22831
Amount: 0.886319
Amount Units: ug/ml



Reviewer: G4KC, 24-Jun-2024 09:06:28 -04:00:00 (UTC)

Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

DRAFT

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS11\20240624-177537.b\Z86744.d
Lims ID: STD05
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 24-Jun-2024 09:07:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0177537-010
Operator ID: Instrument ID: CBNAMS11
Sublist: chrom-8270_11R_9*sub51

Method: \\chromfs\Edison\ChromData\CBNAMS11\20240624-177537.b\8270_11R_9.m
Limit Group: SV 8270E ICAL
Last Update: 24-Jun-2024 10:03:01 Calib Date: 24-Jun-2024 09:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS11\20240624-177537.b\Z86744.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1642

First Level Reviewer: G4KC Date: 24-Jun-2024 09:33:21

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.624	1.617	0.007	96	1384	0.5000	0.3663	
$ 6 Phenol-d5	99	3.816	3.827	-0.011	92	5700	0.5000	0.4369	
9 Bis(2-chloroethyl)ether	93	3.925	3.935	-0.010	88	4780	0.5000	0.4778	
* 14 1,4-Dichlorobenzene-d4	152	4.180	4.184	-0.004	98	246141	40.0	40.0	
21 N-Nitrosodi-n-propylamine	70	4.576	4.590	-0.014	92	4153	0.5000	0.4882	
25 Hexachloroethane	117	4.672	4.677	-0.005	89	1716	0.5000	0.4788	
$ 26 Nitrobenzene-d5	82	4.720	4.728	-0.008	90	5427	0.5000	0.4512	
28 n,n'-Dimethylaniline	120	4.742	4.750	-0.008	93	6852	0.5000	0.4749	a
27 Nitrobenzene	123	4.739	4.750	-0.011	90	2079	0.5000	0.4535	
37 1,2,4-Trichlorobenzene	180	5.364	5.370	-0.006	93	3522	0.5000	0.4844	
* 38 Naphthalene-d8	136	5.418	5.424	-0.006	99	1004194	40.0	40.0	
$ 51 2-Fluorobiphenyl	172	6.468	6.473	-0.005	96	8827	0.5000	0.4658	
* 65 Acenaphthene-d10	164	7.107	7.112	-0.005	96	526675	40.0	40.0	
82 Hexachlorobenzene	284	8.147	8.158	-0.011	94	2703	0.5000	0.4342	
* 87 Phenanthrene-d10	188	8.521	8.529	-0.008	98	962236	40.0	40.0	
$ 96 Terphenyl-d14	244	10.052	10.063	-0.011	97	10064	0.5000	0.4290	
101 Benzo[a]anthracene	228	11.137	11.143	-0.006	98	14438	0.5000	0.5404	
* 102 Chrysene-d12	240	11.147	11.156	-0.009	99	780609	40.0	40.0	
106 Benzo[b]fluoranthene	252	12.472	12.489	-0.017	93	11124	0.5000	0.4310	
107 Benzo[k]fluoranthene	252	12.507	12.531	-0.024	97	12009	0.5000	0.4525	
108 Benzo[a]pyrene	252	12.909	12.930	-0.021	95	10922	0.5000	0.4546	
* 109 Perylene-d12	264	13.002	13.007	-0.005	98	904135	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.500	14.533	-0.033	97	11647	0.5000	0.4480	a
111 Dibenz(a,h)anthracene	278	14.545	14.578	-0.033	97	10925	0.5000	0.4296	
112 Benzo[g,h,i]perylene	276	14.903	14.946	-0.043	96	11090	0.5000	0.4631	

QC Flag Legend
Processing Flags

DRAFT

Review Flags
a - User Assigned ID

Reagents:

SV_BNA_L1_00006 Amount Added: 1.00 Units: mL

DRAFT

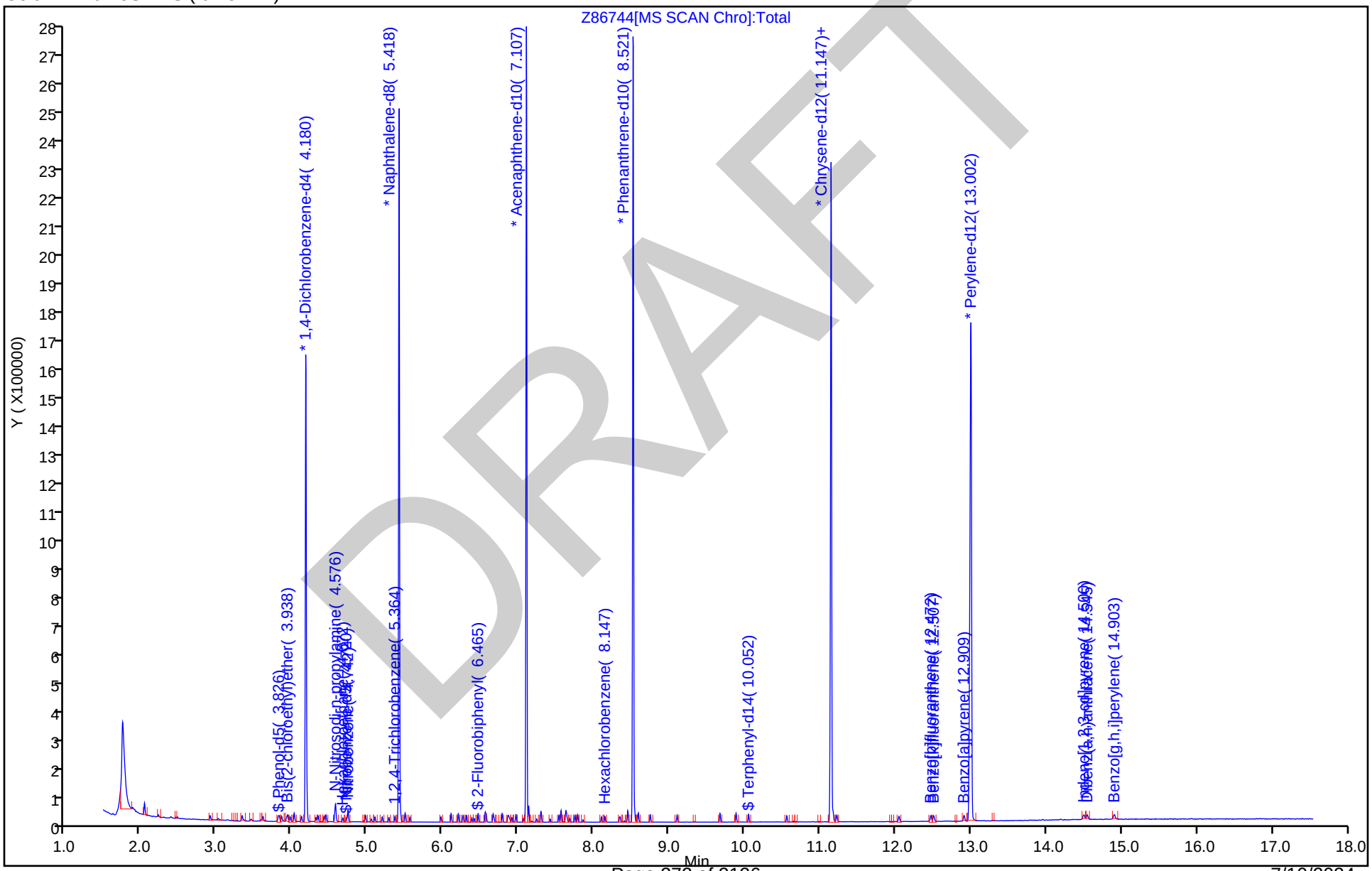
Report Date: 24-Jun-2024 10:03:02 Chrom Revision: 2.3 23-Jun-2024 11:08:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS11\20240624-177537.b\Z86744.d

Injection Date:	24-Jun-2024 09:07:30	Instrument ID:	CBNAMS11	Operator ID:	
Lims ID:	STD05			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8270_11R_9	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



DRAFT

7/10/2024
4:48:04 PM

Manual Integration/User Assign Peak Report

Eurofins Edison

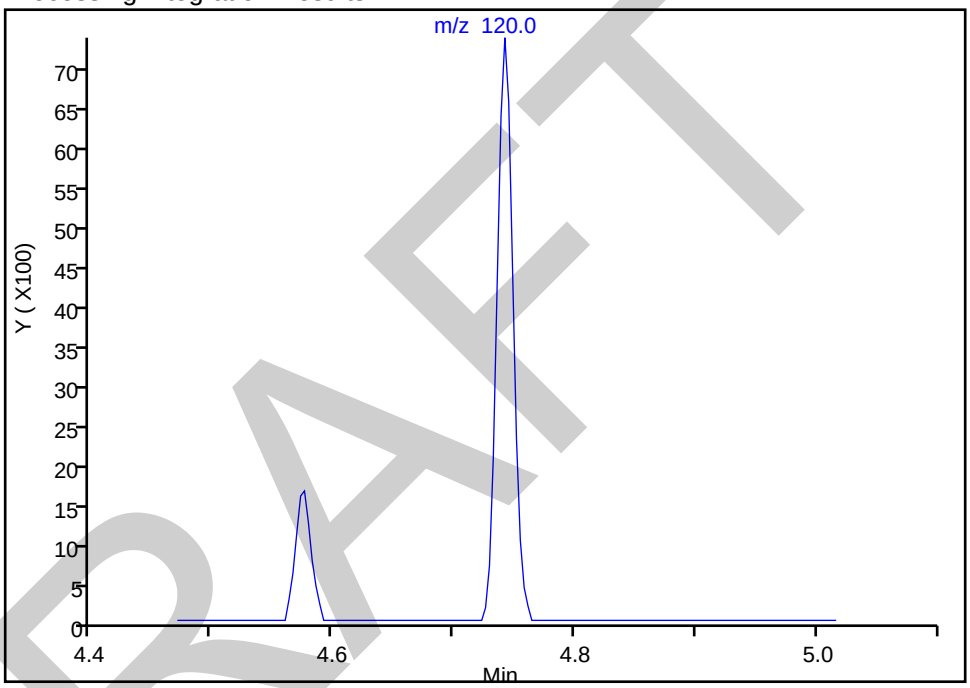
Data File: \\chromfs\Edison\ChromData\CBNAMS11\20240624-177537.b\Z86744.d
Injection Date: 24-Jun-2024 09:07:30 Instrument ID: CBNAMS11
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_11R_9 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

28 n,n'-Dimethylaniline, CAS: 121-69-7

Signal: 1

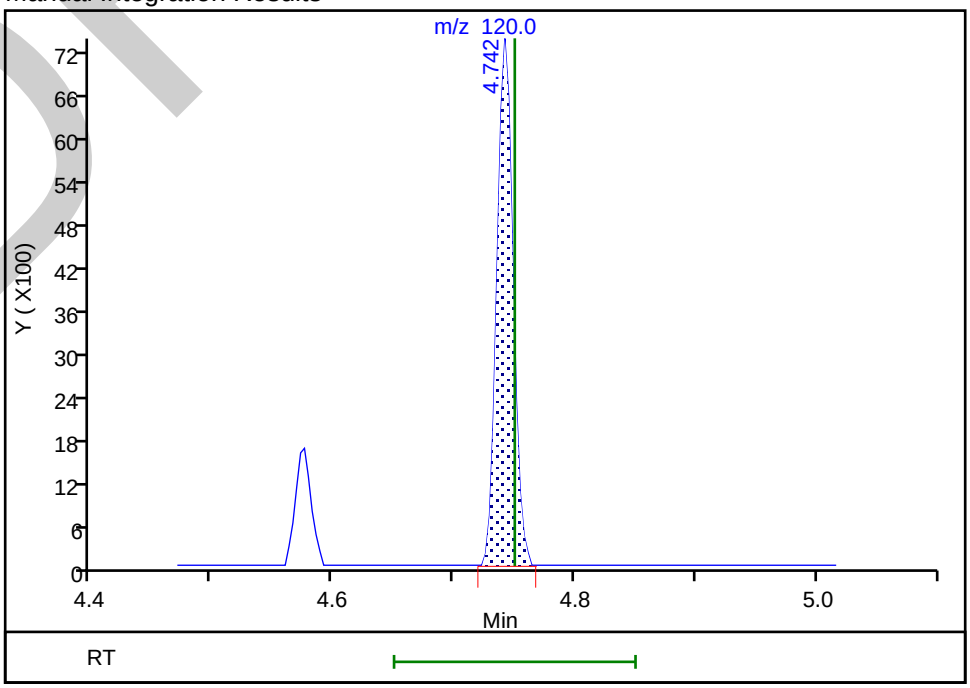
Not Detected
Expected RT: 4.75

Processing Integration Results



Manual Integration Results

RT: 4.74
Area: 6852
Amount: 0.474869
Amount Units: ug/ml



Reviewer: G4KC, 24-Jun-2024 09:33:01 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

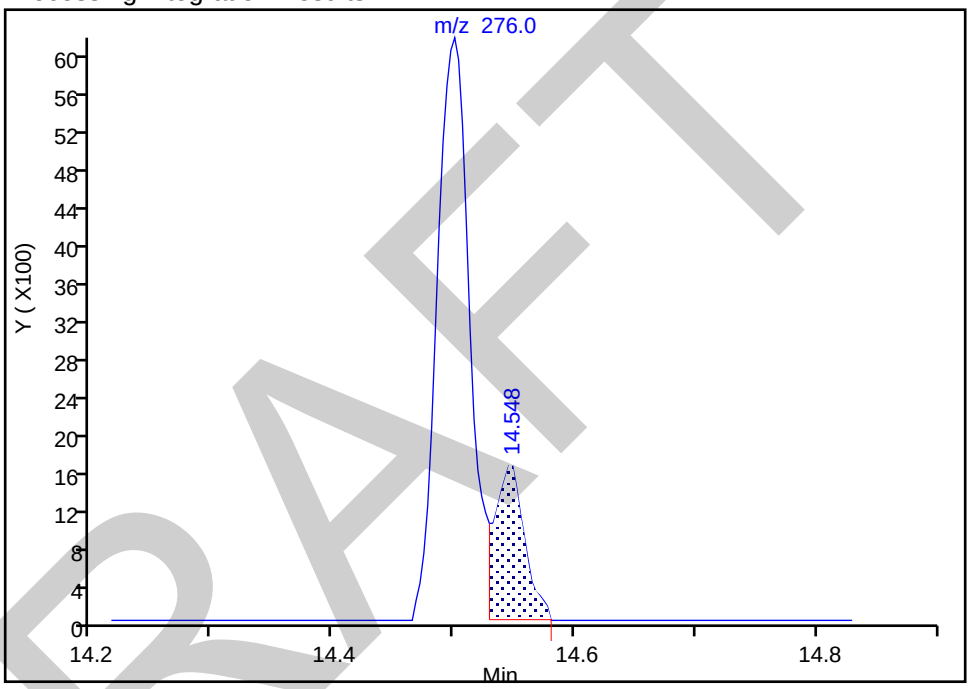
Data File: \\chromfs\Edison\ChromData\CBNAMS11\20240624-177537.b\Z86744.d
Injection Date: 24-Jun-2024 09:07:30 Instrument ID: CBNAMS11
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_11R_9 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

110 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

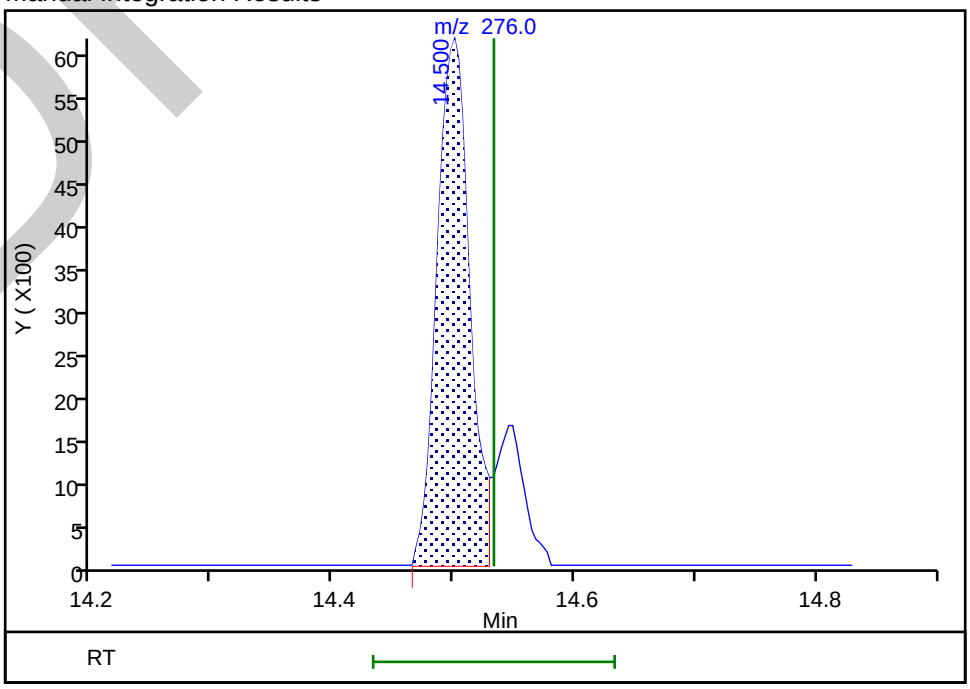
Processing Integration Results

RT: 14.55
Area: 2852
Amount: 0.460923
Amount Units: ug/ml



Manual Integration Results

RT: 14.50
Area: 11647
Amount: 0.447963
Amount Units: ug/ml



Reviewer: G4KC, 24-Jun-2024 09:33:03 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

DRAFT

Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

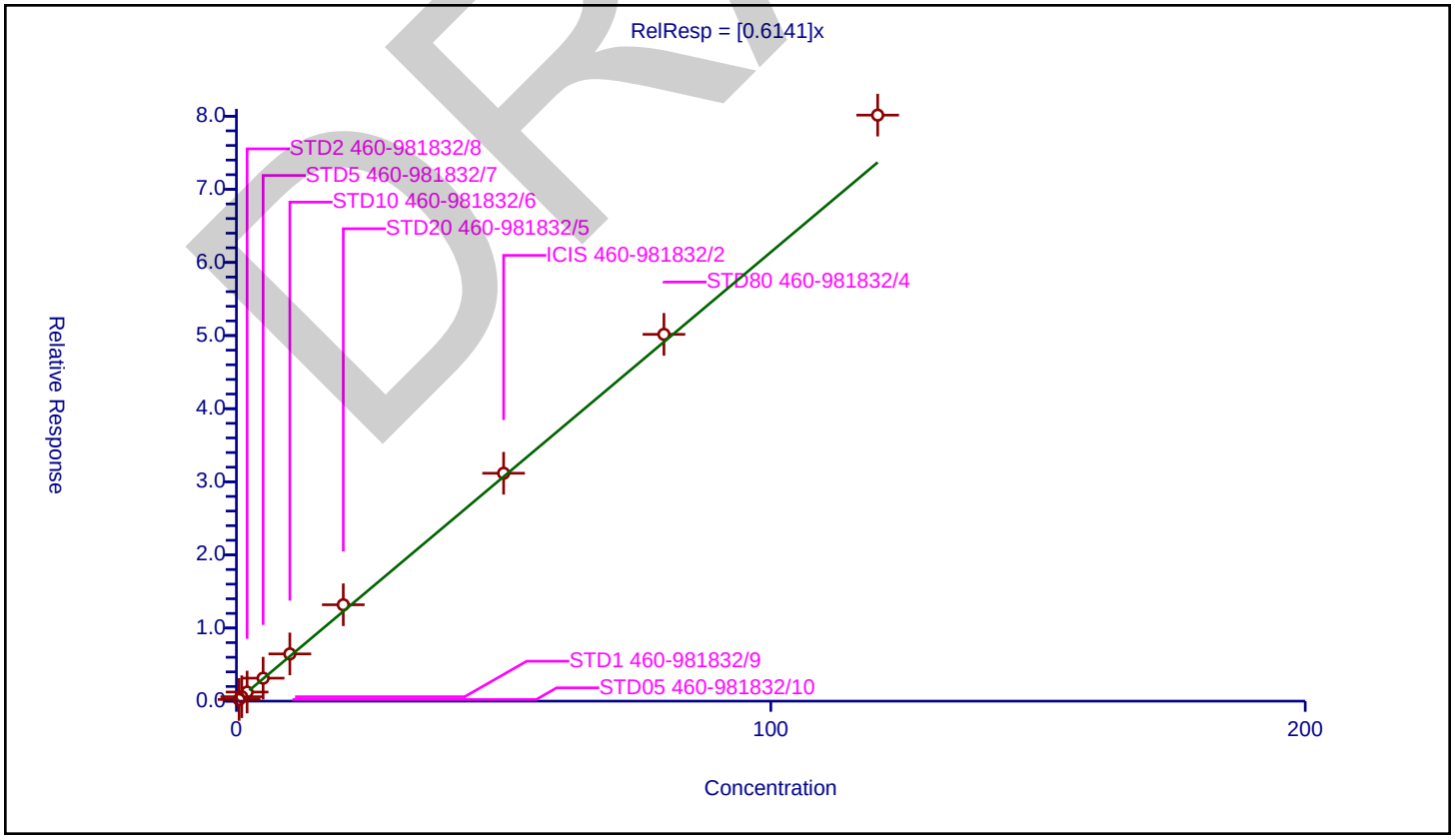
Curve Coefficients

Intercept:	0
Slope:	0.6141

Error Coefficients

Relative Standard Deviation:	10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD05 460-981832/10	0.5	0.224912	40.0	246141.0	0.449823	Y
2	STD1 460-981832/9	1.0	0.603841	40.0	244899.0	0.603841	Y
3	STD2 460-981832/8	2.0	1.242855	40.0	265936.0	0.621428	Y
4	STD5 460-981832/7	5.0	3.141055	40.0	255914.0	0.628211	Y
5	STD10 460-981832/6	10.0	6.459185	40.0	253902.0	0.645919	Y
6	STD20 460-981832/5	20.0	13.180218	40.0	265246.0	0.659011	Y
7	ICIS 460-981832/2	50.0	31.169252	40.0	245610.0	0.623385	Y
8	STD80 460-981832/4	80.0	50.165448	40.0	267396.0	0.627068	Y
9	STD120 460-981832/3	120.0	80.147026	40.0	246759.0	0.667892	Y



DRAFT

Calibration / N-Nitrosodimethylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

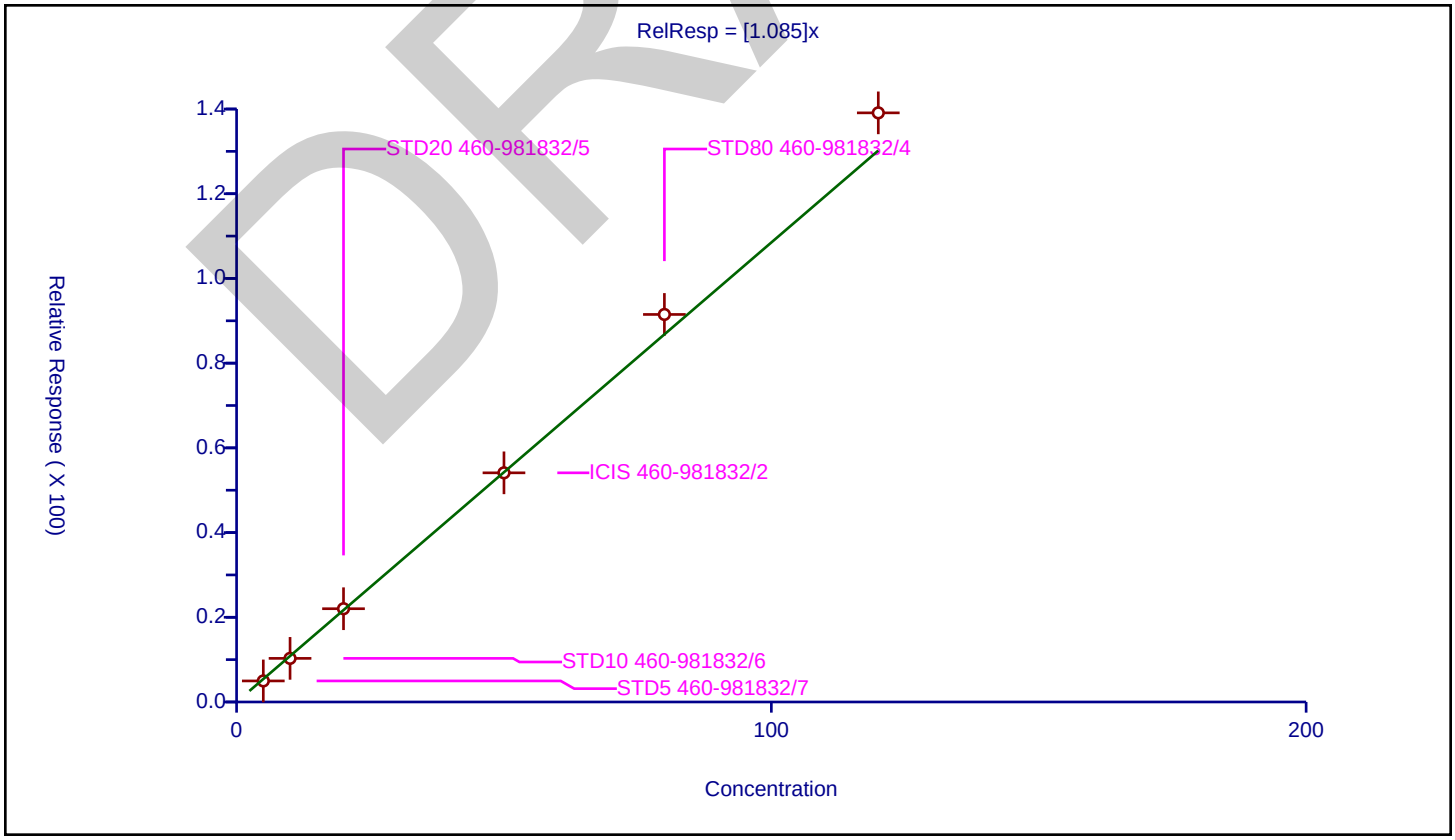
Curve Coefficients

Intercept:	0
Slope:	1.085

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	4.9687	40.0	255914.0	0.99374	Y
2	STD10 460-981832/6	10.0	10.297516	40.0	253902.0	1.029752	Y
3	STD20 460-981832/5	20.0	22.01971	40.0	265246.0	1.100986	Y
4	ICIS 460-981832/2	50.0	54.105777	40.0	245610.0	1.082116	Y
5	STD80 460-981832/4	80.0	91.498153	40.0	267396.0	1.143727	Y
6	STD120 460-981832/3	120.0	139.091664	40.0	246759.0	1.159097	Y



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Calibration / Pyridine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

Curve Coefficients

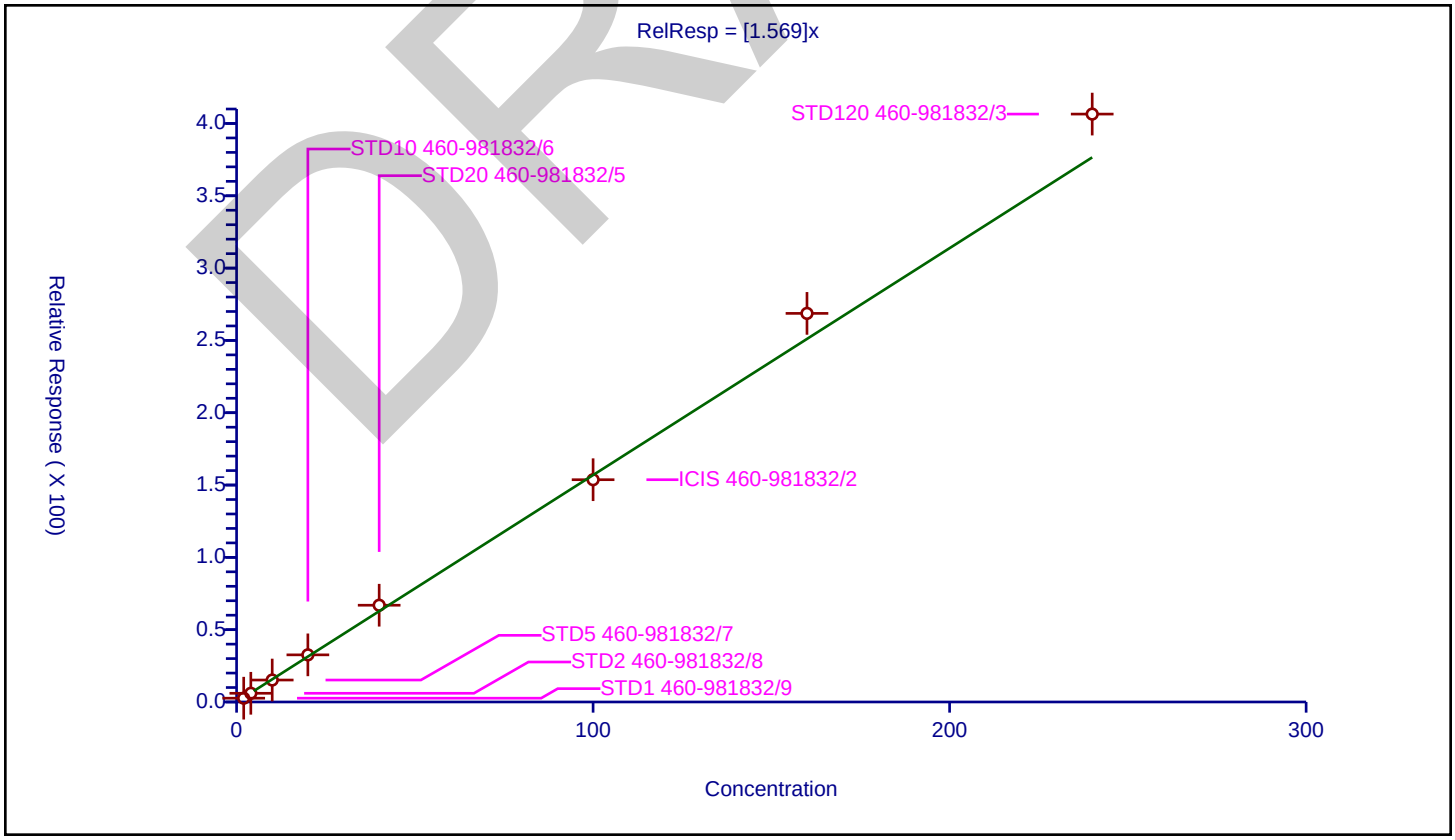
Intercept:	0
Slope:	1.569

Error Coefficients

Relative Standard Deviation:	8.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-981832/9	2.0	2.632432	40.0	244899.0	1.316216	Y
2	STD2 460-981832/8	4.0	6.023404	40.0	265936.0	1.505851	Y
3	STD5 460-981832/7	10.0	15.178849	40.0	255914.0	1.517885	Y
4	STD10 460-981832/6	20.0	32.58265	40.0	253902.0	1.629132	Y
5	STD20 460-981832/5	40.0	66.910415	40.0	265246.0	1.67276	Y
6	ICIS 460-981832/2	100.0	153.690322	40.0	245610.0	1.536903	Y
7	STD80 460-981832/4	160.0	268.683002	40.0	267396.0	1.679269	Y
8	STD120 460-981832/3	240.0	406.496055	40.0	246759.0	1.693734	Y

DRAFT



Calibration / 2-Fluorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

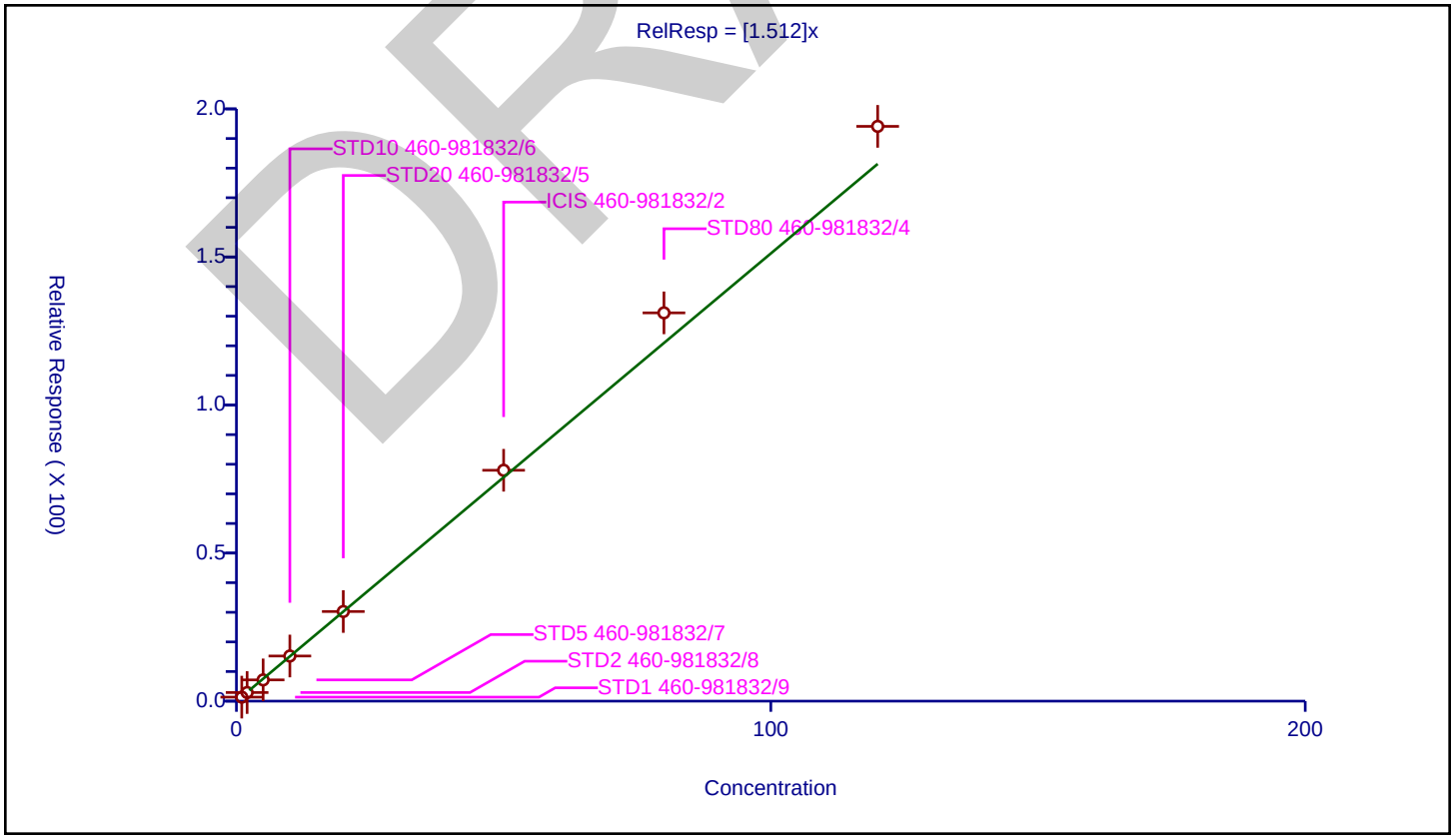
Curve Coefficients

Intercept:	0
Slope:	1.512

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-981832/9	1.0	1.350924	40.0	244899.0	1.350924	Y
2	STD2 460-981832/8	2.0	2.910926	40.0	265936.0	1.455463	Y
3	STD5 460-981832/7	5.0	7.171159	40.0	255914.0	1.434232	Y
4	STD10 460-981832/6	10.0	15.244779	40.0	253902.0	1.524478	Y
5	STD20 460-981832/5	20.0	30.268807	40.0	265246.0	1.51344	Y
6	ICIS 460-981832/2	50.0	77.963112	40.0	245610.0	1.559262	Y
7	STD80 460-981832/4	80.0	131.118042	40.0	267396.0	1.638976	Y
8	STD120 460-981832/3	120.0	194.101127	40.0	246759.0	1.617509	Y



DRAFT

Calibration / Benzaldehyde

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

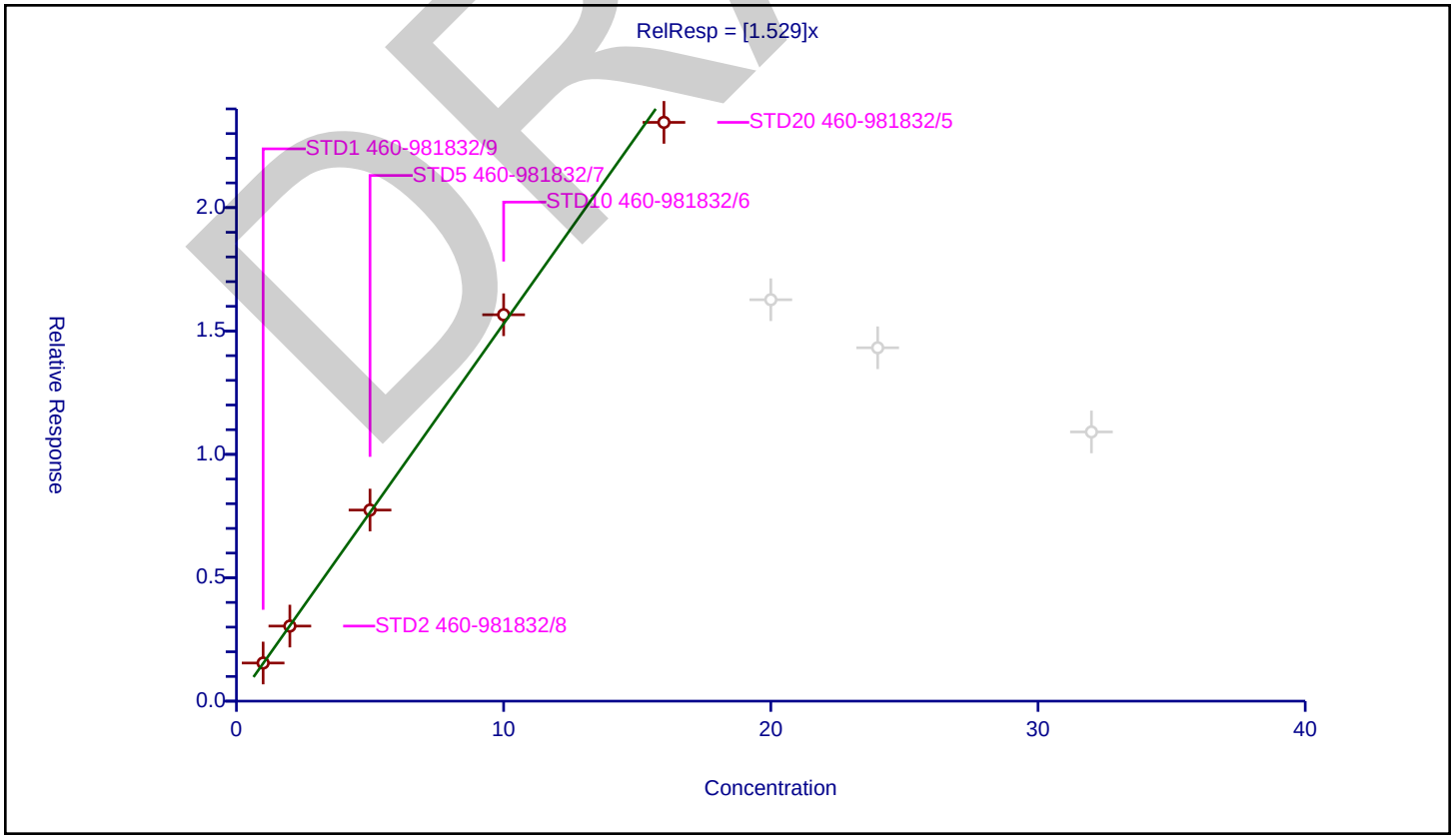
Curve Coefficients

Intercept:	0
Slope:	1.529

Error Coefficients

Relative Standard Deviation:	2.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-981832/9	1.0	1.544963	40.0	244899.0	1.544963	Y
2	STD2 460-981832/8	2.0	3.042386	40.0	265936.0	1.521193	Y
3	STD5 460-981832/7	5.0	7.743539	40.0	255914.0	1.548708	Y
4	STD10 460-981832/6	10.0	15.658482	40.0	253902.0	1.565848	Y
5	STD20 460-981832/5	16.0	23.454001	40.0	265246.0	1.465875	Y
6	ICIS 460-981832/2	20.0	16.266927	40.0	245610.0	0.813346	N
7	STD80 460-981832/4	24.0	14.319287	40.0	267396.0	0.596637	N
8	STD120 460-981832/3	32.0	10.909592	40.0	246759.0	0.340925	N



DRAFT

Calibration / Phenol-d5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

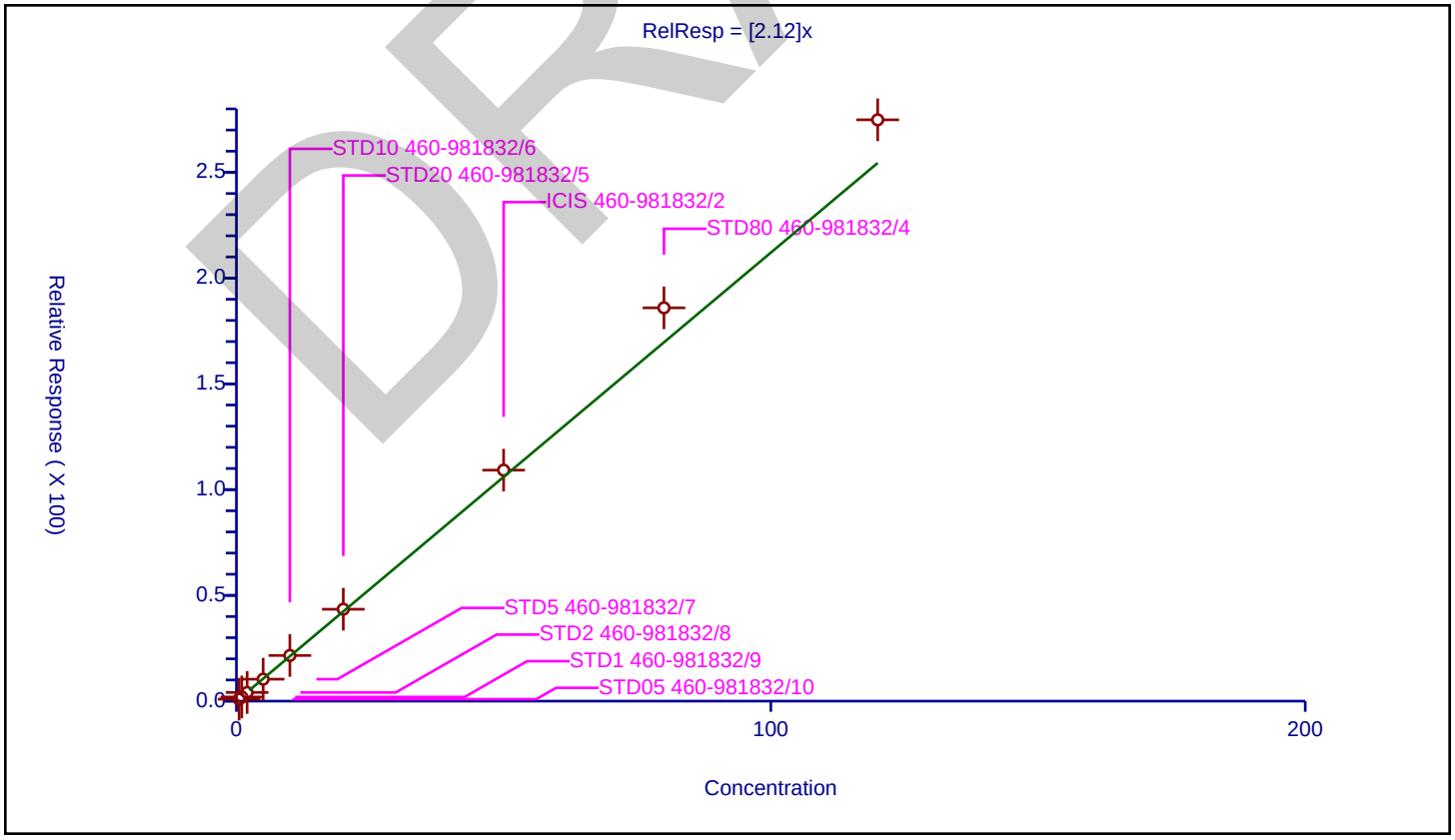
Curve Coefficients

Intercept:	0
Slope:	2.12

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD05 460-981832/10	0.5	0.926298	40.0	246141.0	1.852597	Y
2	STD1 460-981832/9	1.0	1.975998	40.0	244899.0	1.975998	Y
3	STD2 460-981832/8	2.0	4.095572	40.0	265936.0	2.047786	Y
4	STD5 460-981832/7	5.0	10.381613	40.0	255914.0	2.076323	Y
5	STD10 460-981832/6	10.0	21.586596	40.0	253902.0	2.15866	Y
6	STD20 460-981832/5	20.0	43.447517	40.0	265246.0	2.172376	Y
7	ICIS 460-981832/2	50.0	109.215749	40.0	245610.0	2.184315	Y
8	STD80 460-981832/4	80.0	185.95596	40.0	267396.0	2.32445	Y
9	STD120 460-981832/3	120.0	274.832691	40.0	246759.0	2.290272	Y



DRAFT

Calibration / Phenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

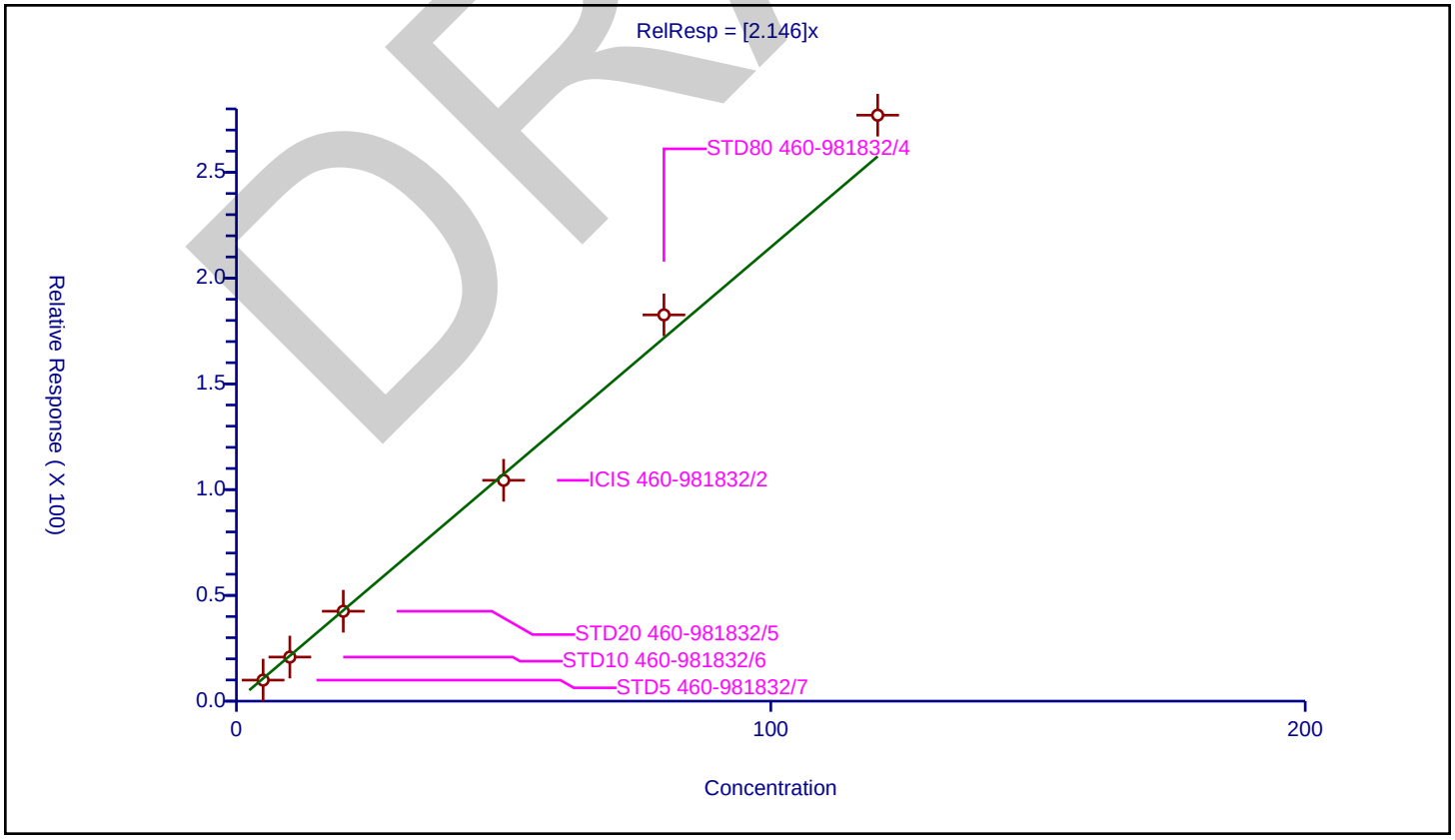
Curve Coefficients

Intercept:	0
Slope:	2.146

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	9.945685	40.0	255914.0	1.989137	Y
2	STD10 460-981832/6	10.0	20.839537	40.0	253902.0	2.083954	Y
3	STD20 460-981832/5	20.0	42.502583	40.0	265246.0	2.125129	Y
4	ICIS 460-981832/2	50.0	104.409267	40.0	245610.0	2.088185	Y
5	STD80 460-981832/4	80.0	182.61051	40.0	267396.0	2.282631	Y
6	STD120 460-981832/3	120.0	277.028031	40.0	246759.0	2.308567	Y



DRAFT

Calibration / Aniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

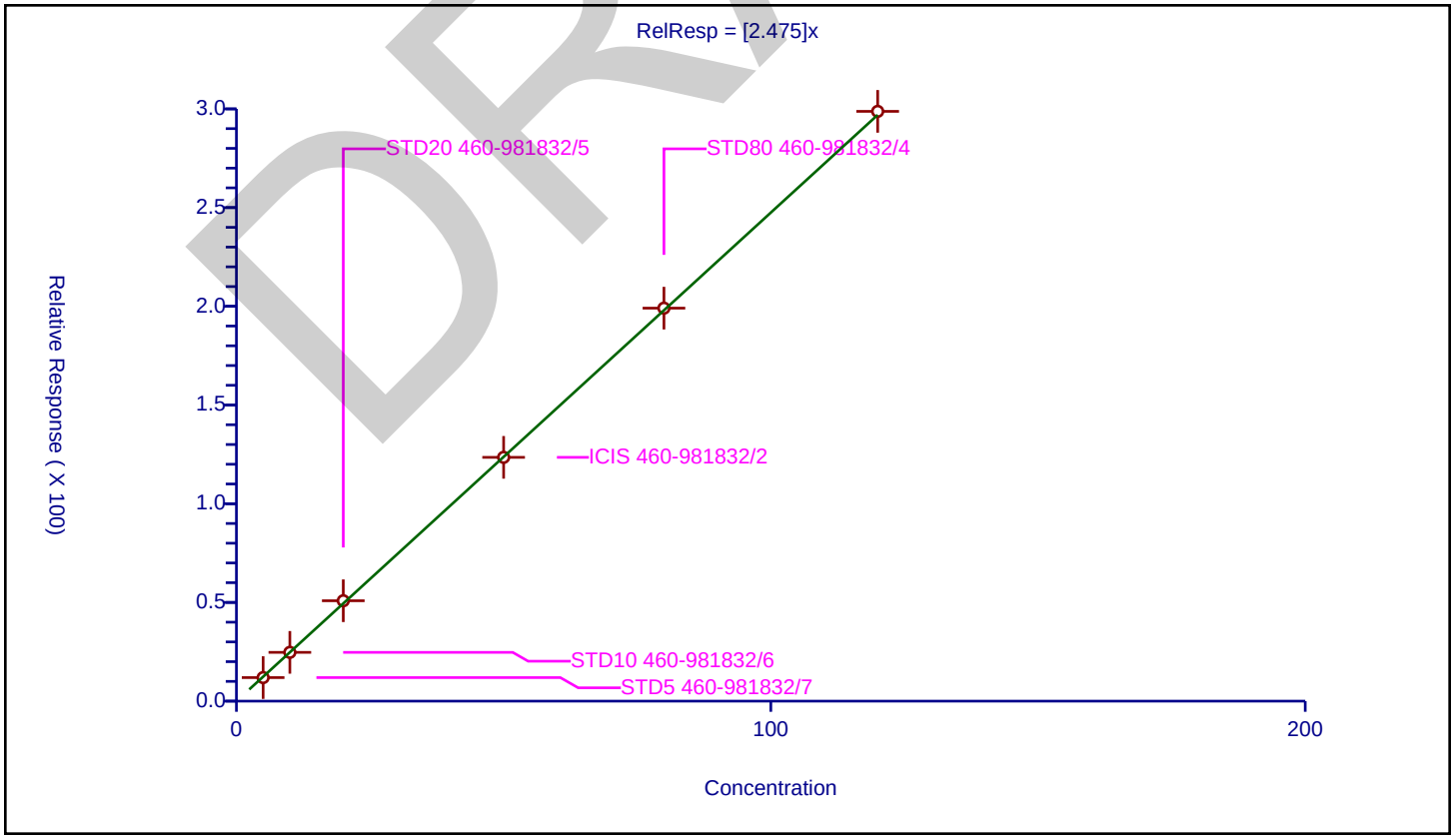
Curve Coefficients

Intercept:	0
Slope:	2.475

Error Coefficients

Relative Standard Deviation:	2.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	11.931821	40.0	255914.0	2.386364	Y
2	STD10 460-981832/6	10.0	24.710794	40.0	253902.0	2.471079	Y
3	STD20 460-981832/5	20.0	50.851662	40.0	265246.0	2.542583	Y
4	ICIS 460-981832/2	50.0	123.491877	40.0	245610.0	2.469838	Y
5	STD80 460-981832/4	80.0	199.068797	40.0	267396.0	2.48836	Y
6	STD120 460-981832/3	120.0	298.74347	40.0	246759.0	2.489529	Y



DRAFT

Calibration / Bis(2-chloroethyl)ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

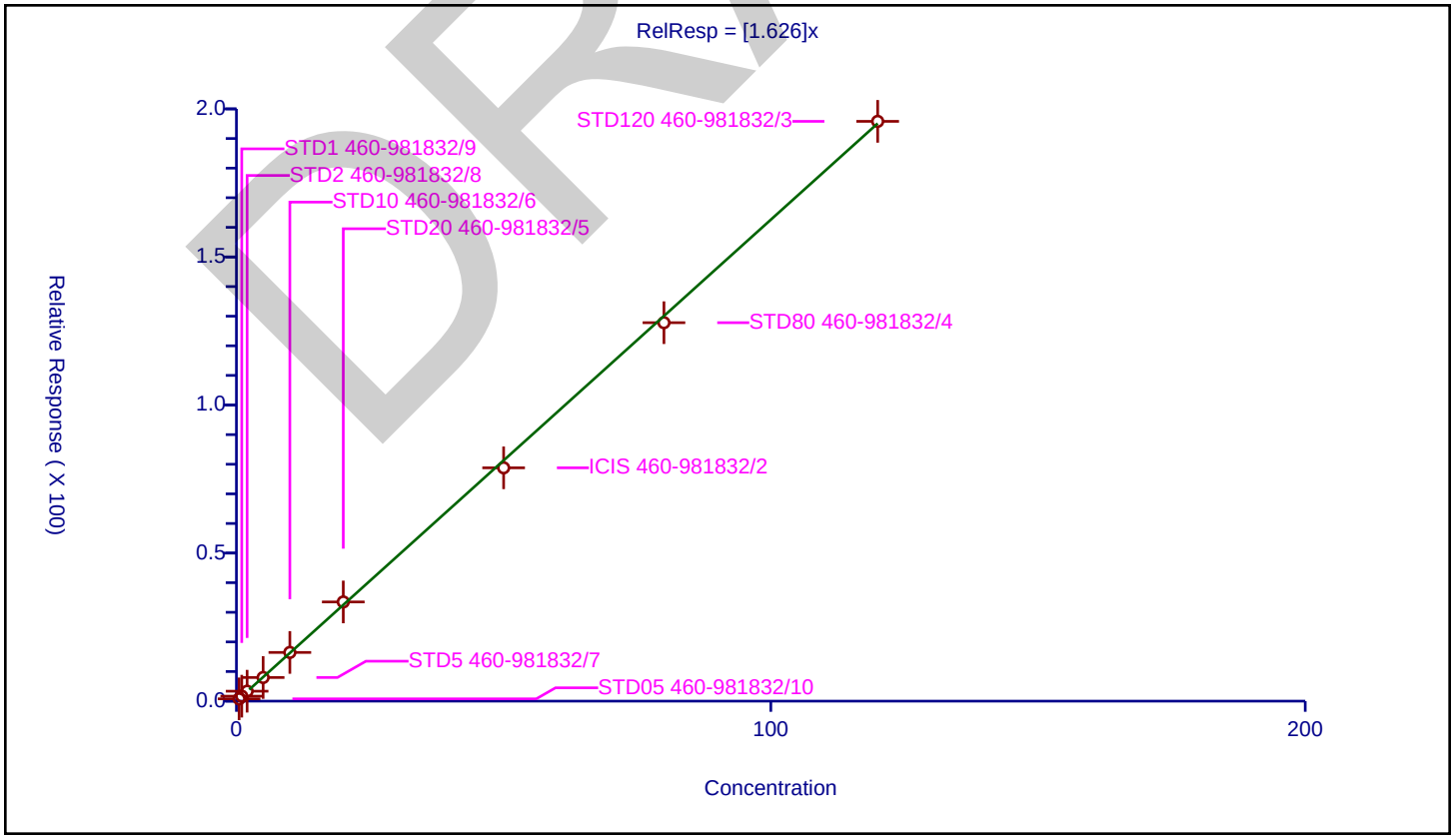
Curve Coefficients

Intercept:	0
Slope:	1.626

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD05 460-981832/10	0.5	0.776791	40.0	246141.0	1.553581	Y
2	STD1 460-981832/9	1.0	1.678733	40.0	244899.0	1.678733	Y
3	STD2 460-981832/8	2.0	3.357349	40.0	265936.0	1.678675	Y
4	STD5 460-981832/7	5.0	7.982213	40.0	255914.0	1.596443	Y
5	STD10 460-981832/6	10.0	16.448709	40.0	253902.0	1.644871	Y
6	STD20 460-981832/5	20.0	33.495698	40.0	265246.0	1.674785	Y
7	ICIS 460-981832/2	50.0	78.790603	40.0	245610.0	1.575812	Y
8	STD80 460-981832/4	80.0	127.802361	40.0	267396.0	1.59753	Y
9	STD120 460-981832/3	120.0	195.788279	40.0	246759.0	1.631569	Y



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Calibration / 2-Chlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

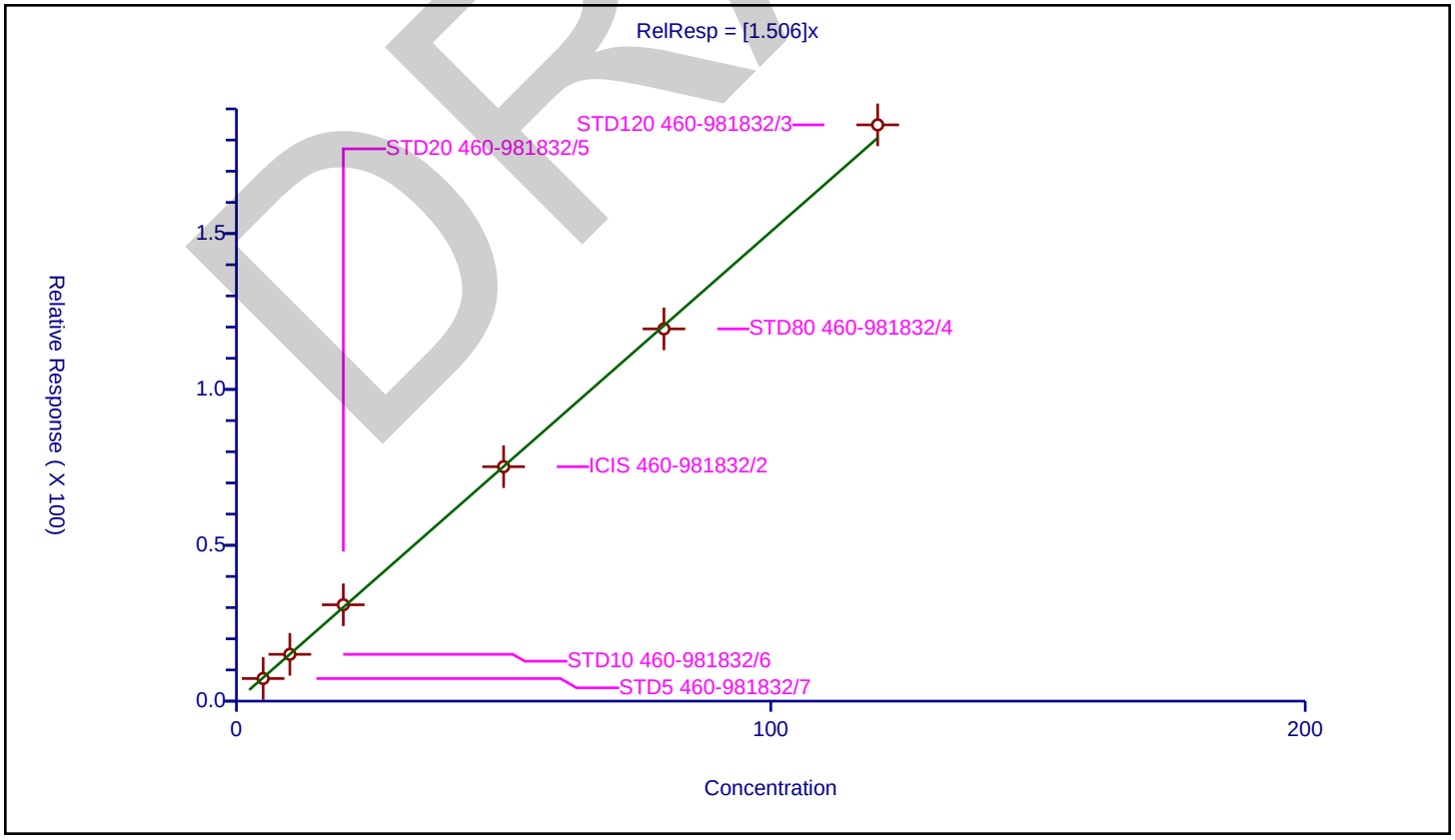
Curve Coefficients

Intercept:	0
Slope:	1.506

Error Coefficients

Relative Standard Deviation:	2.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	7.249467	40.0	255914.0	1.449893	Y
2	STD10 460-981832/6	10.0	15.01855	40.0	253902.0	1.501855	Y
3	STD20 460-981832/5	20.0	30.90761	40.0	265246.0	1.545381	Y
4	ICIS 460-981832/2	50.0	75.214853	40.0	245610.0	1.504297	Y
5	STD80 460-981832/4	80.0	119.424674	40.0	267396.0	1.492808	Y
6	STD120 460-981832/3	120.0	184.873662	40.0	246759.0	1.540614	Y



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Calibration / n-Decane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

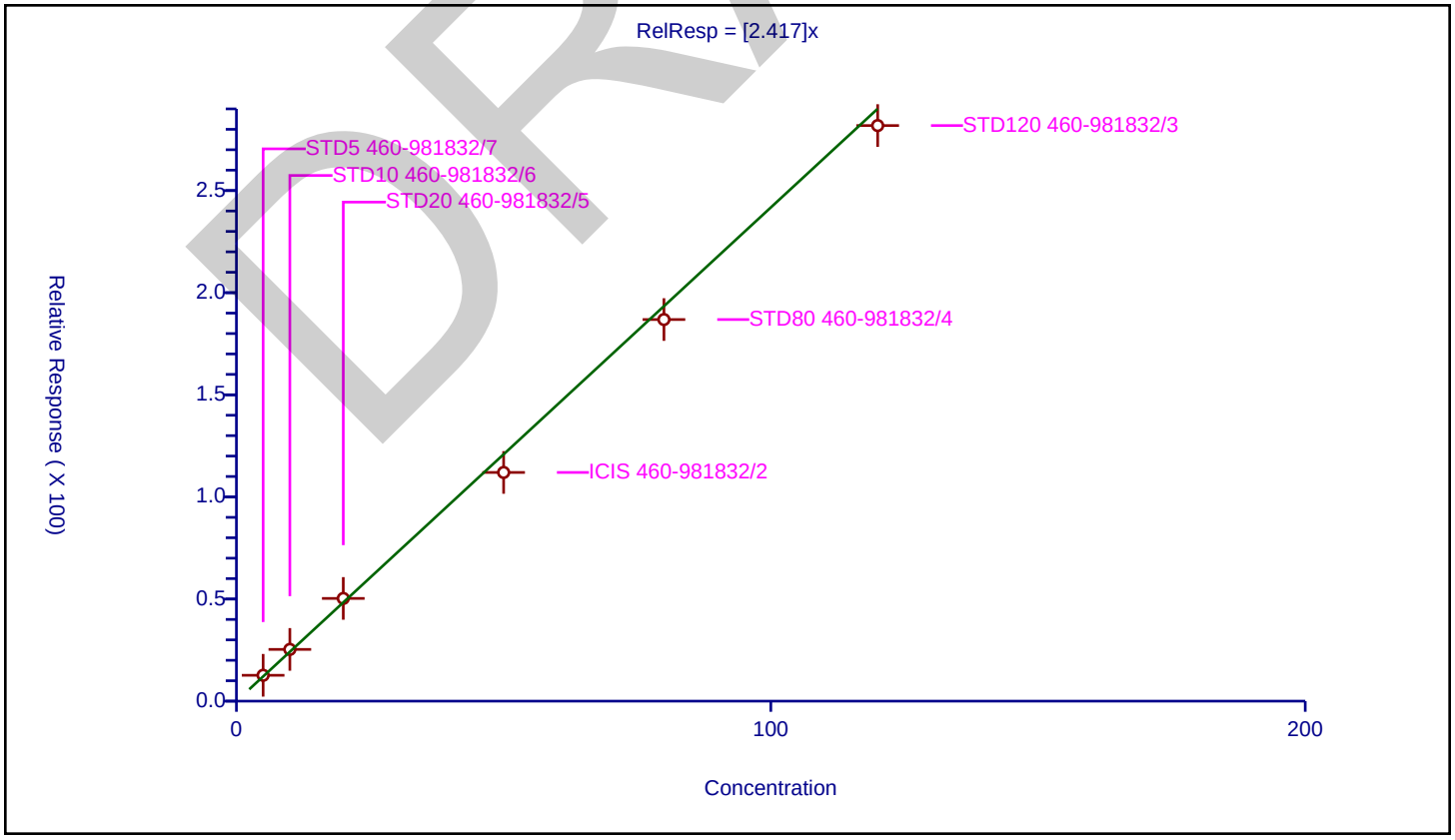
Curve Coefficients

Intercept:	0
Slope:	2.417

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	12.662066	40.0	255914.0	2.532413	Y
2	STD10 460-981832/6	10.0	25.330088	40.0	253902.0	2.533009	Y
3	STD20 460-981832/5	20.0	50.294142	40.0	265246.0	2.514707	Y
4	ICIS 460-981832/2	50.0	111.977688	40.0	245610.0	2.239554	Y
5	STD80 460-981832/4	80.0	186.853954	40.0	267396.0	2.335674	Y
6	STD120 460-981832/3	120.0	281.831423	40.0	246759.0	2.348595	Y



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Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

Curve Coefficients

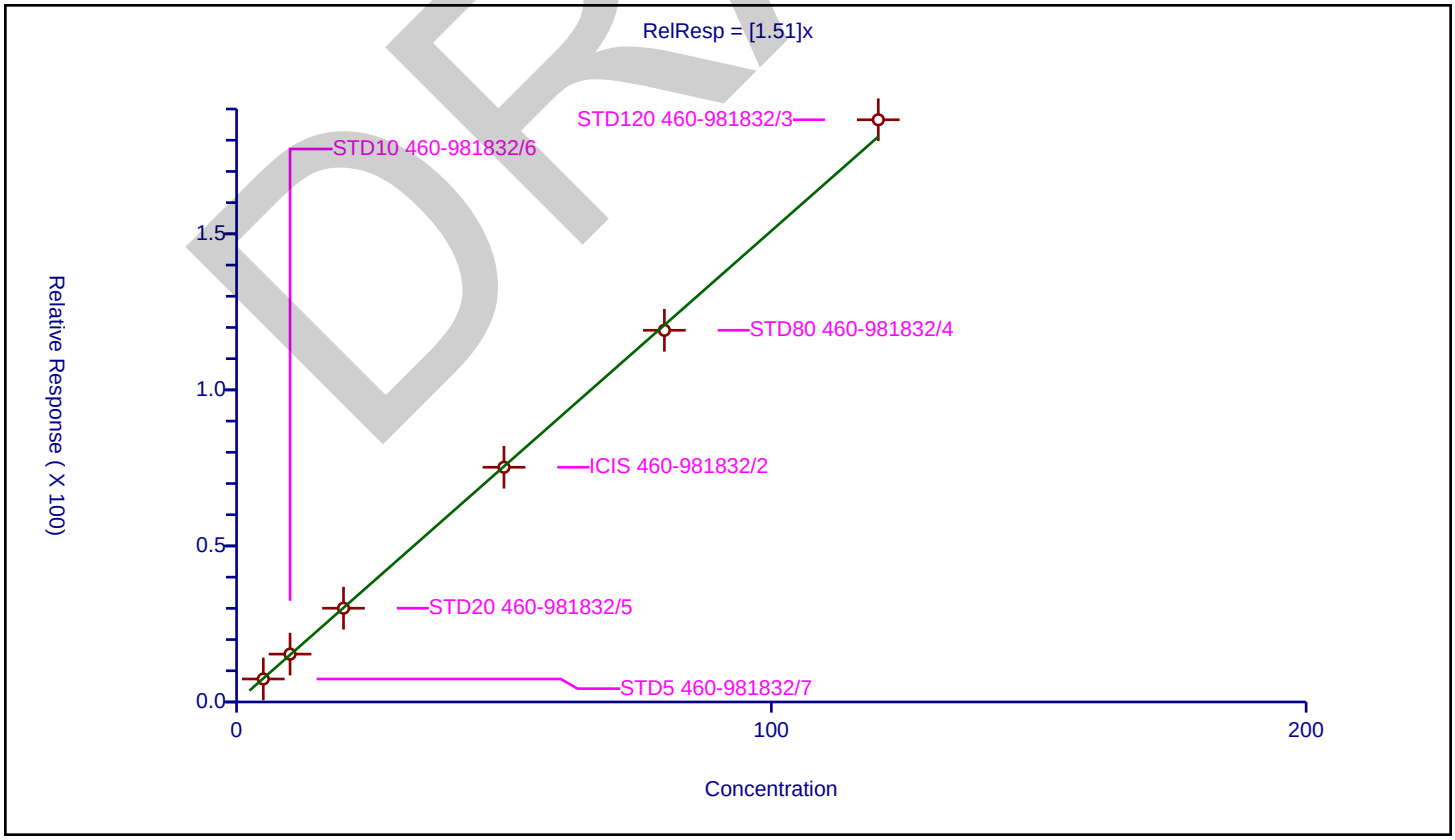
Intercept:	0
Slope:	1.51

Error Coefficients

Relative Standard Deviation:	2.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	7.367319	40.0	255914.0	1.473464	Y
2	STD10 460-981832/6	10.0	15.339462	40.0	253902.0	1.533946	Y
3	STD20 460-981832/5	20.0	30.042904	40.0	265246.0	1.502145	Y
4	ICIS 460-981832/2	50.0	75.213061	40.0	245610.0	1.504261	Y
5	STD80 460-981832/4	80.0	119.101856	40.0	267396.0	1.488773	Y
6	STD120 460-981832/3	120.0	186.553682	40.0	246759.0	1.554614	Y

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Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

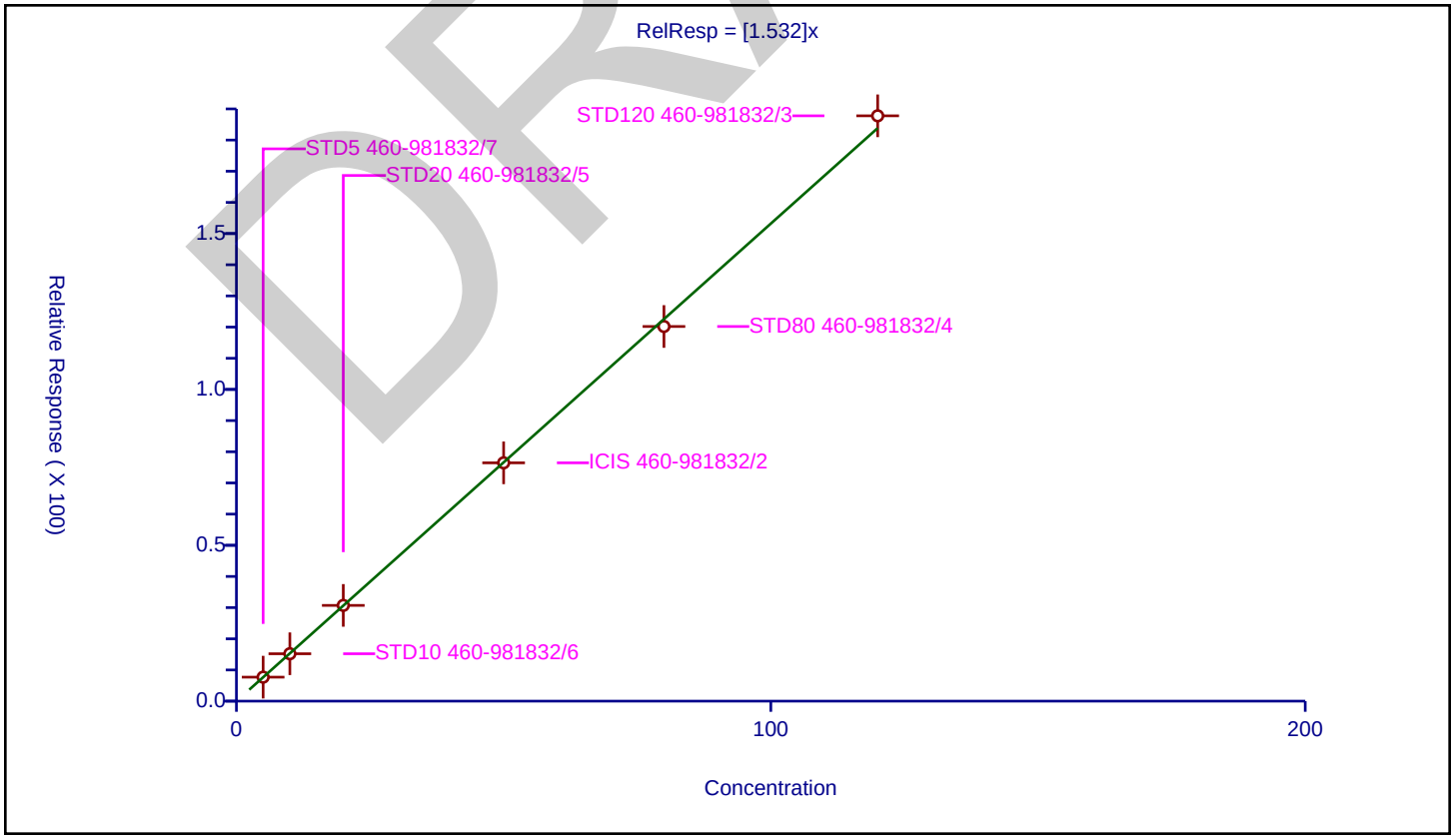
Curve Coefficients

Intercept:	0
Slope:	1.532

Error Coefficients

Relative Standard Deviation:	1.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	7.695398	40.0	255914.0	1.53908	Y
2	STD10 460-981832/6	10.0	15.206497	40.0	253902.0	1.52065	Y
3	STD20 460-981832/5	20.0	30.715185	40.0	265246.0	1.535759	Y
4	ICIS 460-981832/2	50.0	76.448842	40.0	245610.0	1.528977	Y
5	STD80 460-981832/4	80.0	120.192224	40.0	267396.0	1.502403	Y
6	STD120 460-981832/3	120.0	187.778359	40.0	246759.0	1.56482	Y



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Calibration / Benzyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

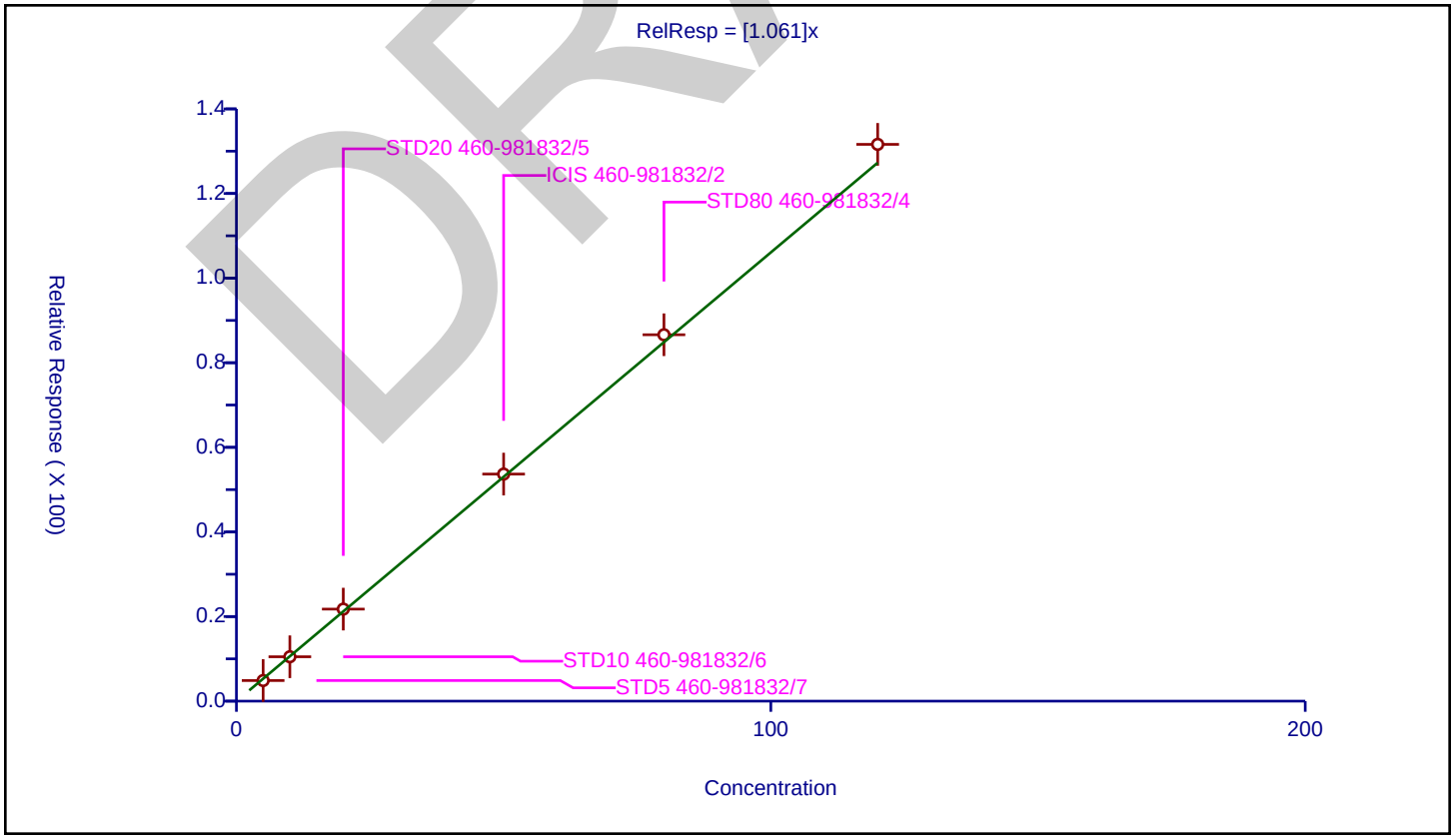
Curve Coefficients

Intercept:	0
Slope:	1.061

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	4.870855	40.0	255914.0	0.974171	Y
2	STD10 460-981832/6	10.0	10.490032	40.0	253902.0	1.049003	Y
3	STD20 460-981832/5	20.0	21.754447	40.0	265246.0	1.087722	Y
4	ICIS 460-981832/2	50.0	53.67485	40.0	245610.0	1.073497	Y
5	STD80 460-981832/4	80.0	86.609523	40.0	267396.0	1.082619	Y
6	STD120 460-981832/3	120.0	131.613761	40.0	246759.0	1.096781	Y



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Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

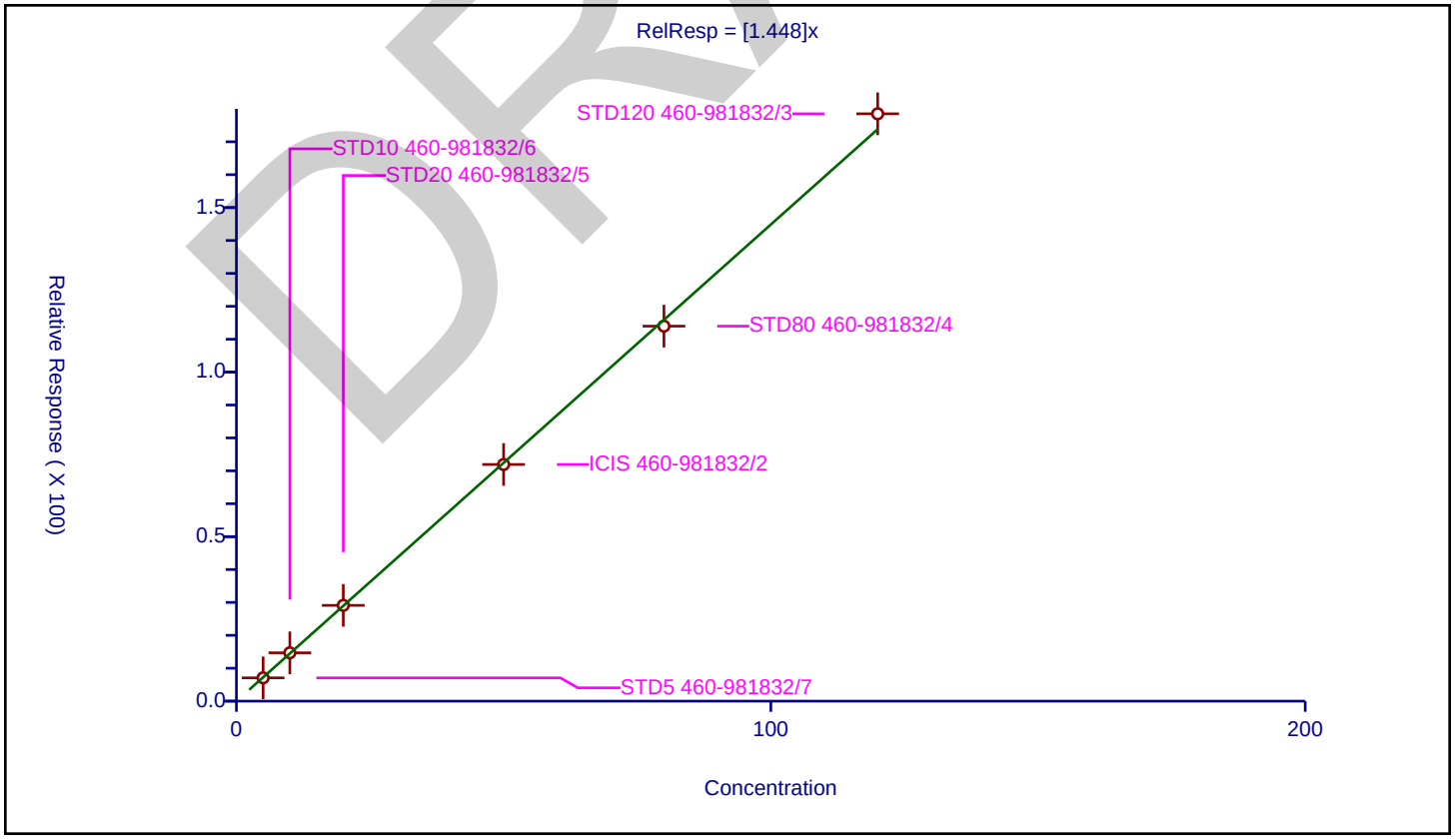
Curve Coefficients

Intercept:	0
Slope:	1.448

Error Coefficients

Relative Standard Deviation:	1.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	7.080973	40.0	255914.0	1.416195	Y
2	STD10 460-981832/6	10.0	14.685666	40.0	253902.0	1.468567	Y
3	STD20 460-981832/5	20.0	29.108375	40.0	265246.0	1.455419	Y
4	ICIS 460-981832/2	50.0	71.929319	40.0	245610.0	1.438586	Y
5	STD80 460-981832/4	80.0	113.969244	40.0	267396.0	1.424616	Y
6	STD120 460-981832/3	120.0	178.50664	40.0	246759.0	1.487555	Y



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Calibration / 2-Methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

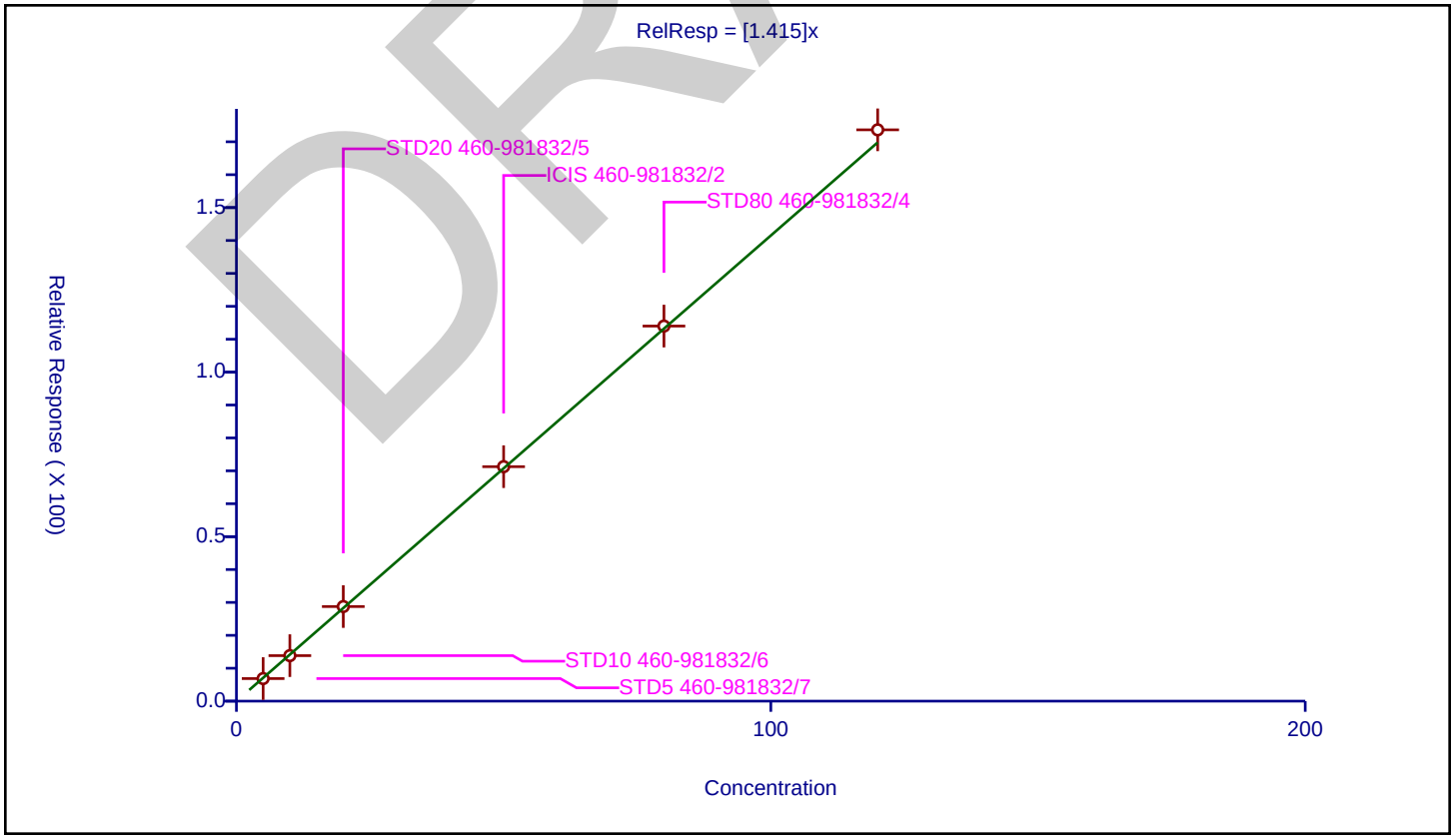
Curve Coefficients

Intercept:	0
Slope:	1.415

Error Coefficients

Relative Standard Deviation:	2.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	6.863243	40.0	255914.0	1.372649	Y
2	STD10 460-981832/6	10.0	13.831006	40.0	253902.0	1.383101	Y
3	STD20 460-981832/5	20.0	28.745391	40.0	265246.0	1.43727	Y
4	ICIS 460-981832/2	50.0	71.263548	40.0	245610.0	1.425271	Y
5	STD80 460-981832/4	80.0	113.996769	40.0	267396.0	1.42496	Y
6	STD120 460-981832/3	120.0	173.635004	40.0	246759.0	1.446958	Y



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Calibration / 2,2'-oxybis[1-chloropropane]

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

Curve Coefficients

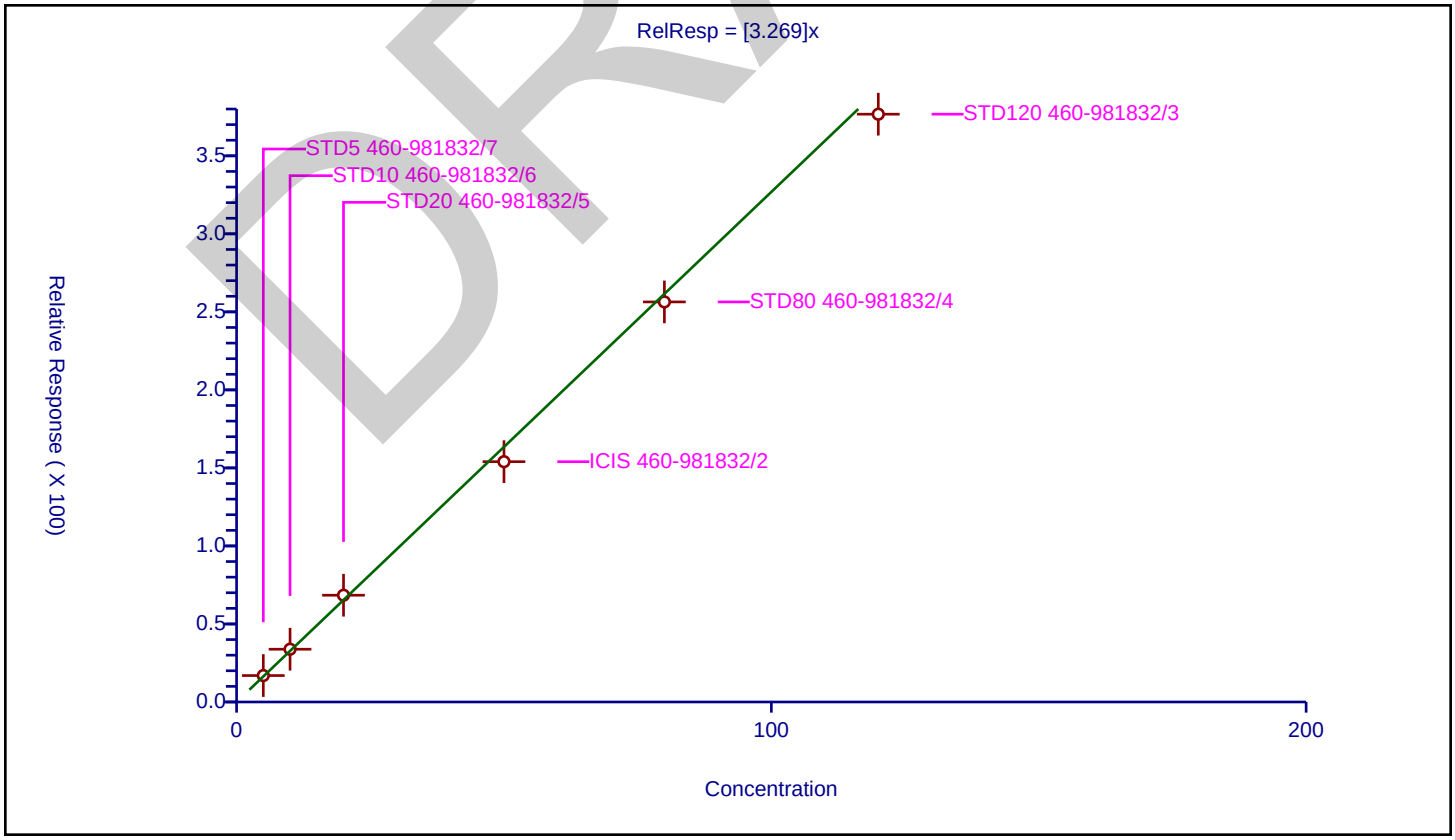
Intercept:	0
Slope:	3.269

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	16.936471	40.0	255914.0	3.387294	Y
2	STD10 460-981832/6	10.0	33.804224	40.0	253902.0	3.380422	Y
3	STD20 460-981832/5	20.0	68.417997	40.0	265246.0	3.4209	Y
4	ICIS 460-981832/2	50.0	154.001059	40.0	245610.0	3.080021	Y
5	STD80 460-981832/4	80.0	256.373618	40.0	267396.0	3.20467	Y
6	STD120 460-981832/3	120.0	376.682998	40.0	246759.0	3.139025	Y

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Calibration / N-Methylaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

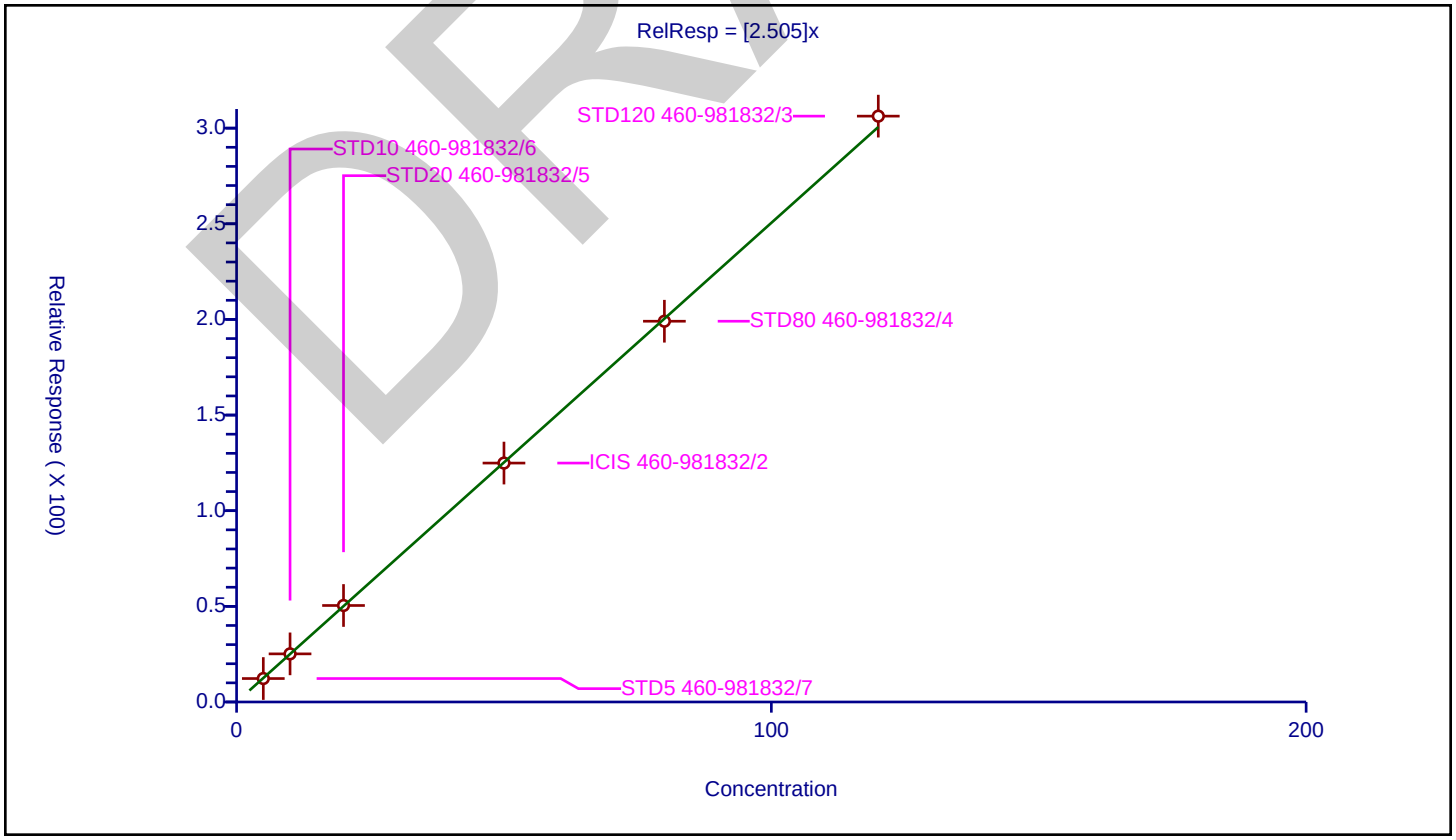
Curve Coefficients

Intercept:	0
Slope:	2.505

Error Coefficients

Relative Standard Deviation:	1.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	12.267559	40.0	255914.0	2.453512	Y
2	STD10 460-981832/6	10.0	25.151909	40.0	253902.0	2.515191	Y
3	STD20 460-981832/5	20.0	50.447811	40.0	265246.0	2.522391	Y
4	ICIS 460-981832/2	50.0	124.8998	40.0	245610.0	2.497996	Y
5	STD80 460-981832/4	80.0	199.052043	40.0	267396.0	2.488151	Y
6	STD120 460-981832/3	120.0	306.273571	40.0	246759.0	2.55228	Y



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Calibration / Acetophenone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

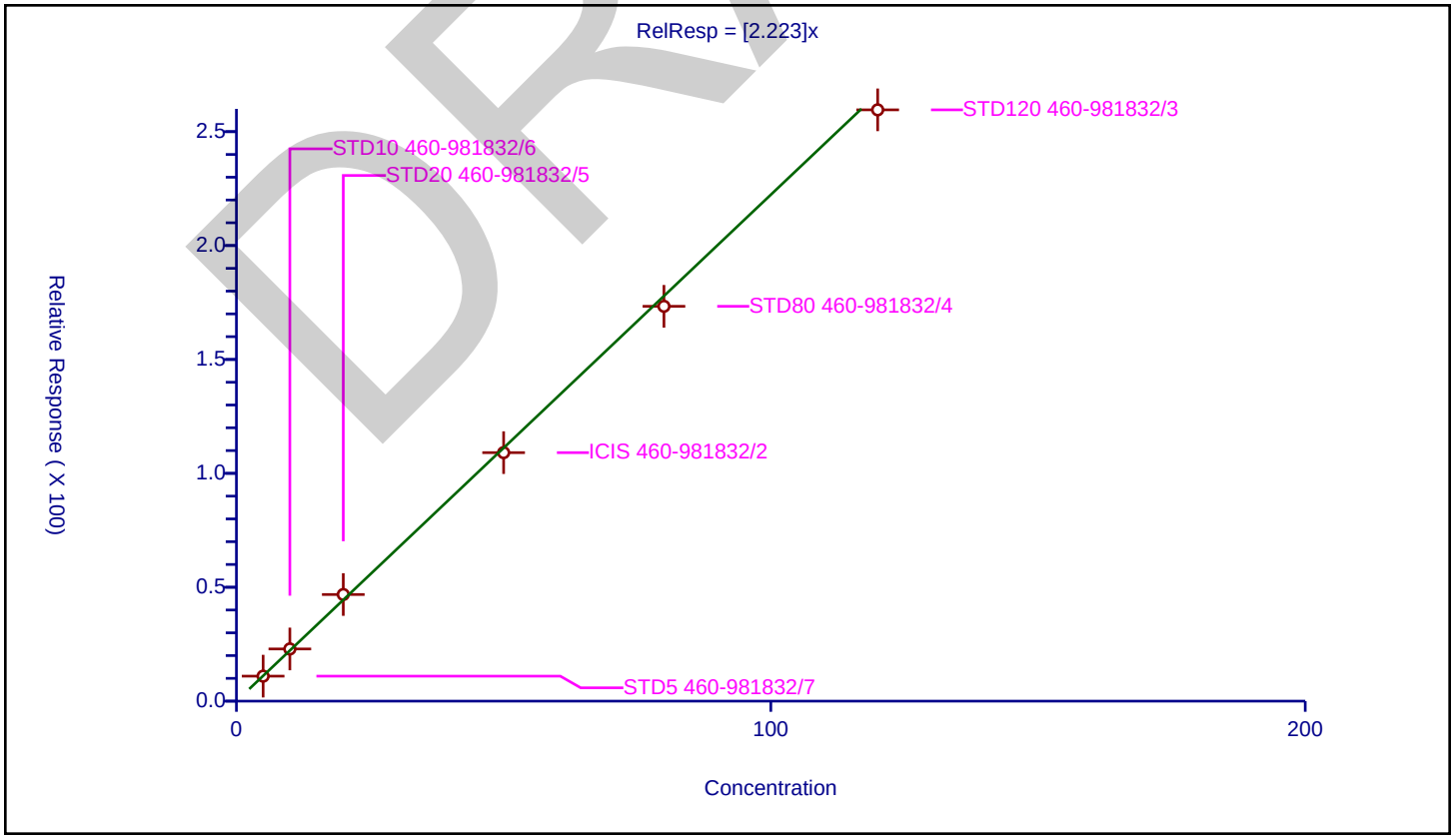
Curve Coefficients

Intercept:	0
Slope:	2.223

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	10.975093	40.0	255914.0	2.195019	Y
2	STD10 460-981832/6	10.0	22.915298	40.0	253902.0	2.29153	Y
3	STD20 460-981832/5	20.0	46.812996	40.0	265246.0	2.34065	Y
4	ICIS 460-981832/2	50.0	109.097512	40.0	245610.0	2.18195	Y
5	STD80 460-981832/4	80.0	173.338569	40.0	267396.0	2.166732	Y
6	STD120 460-981832/3	120.0	259.583156	40.0	246759.0	2.163193	Y



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Calibration / 3 & 4 Methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

Curve Coefficients

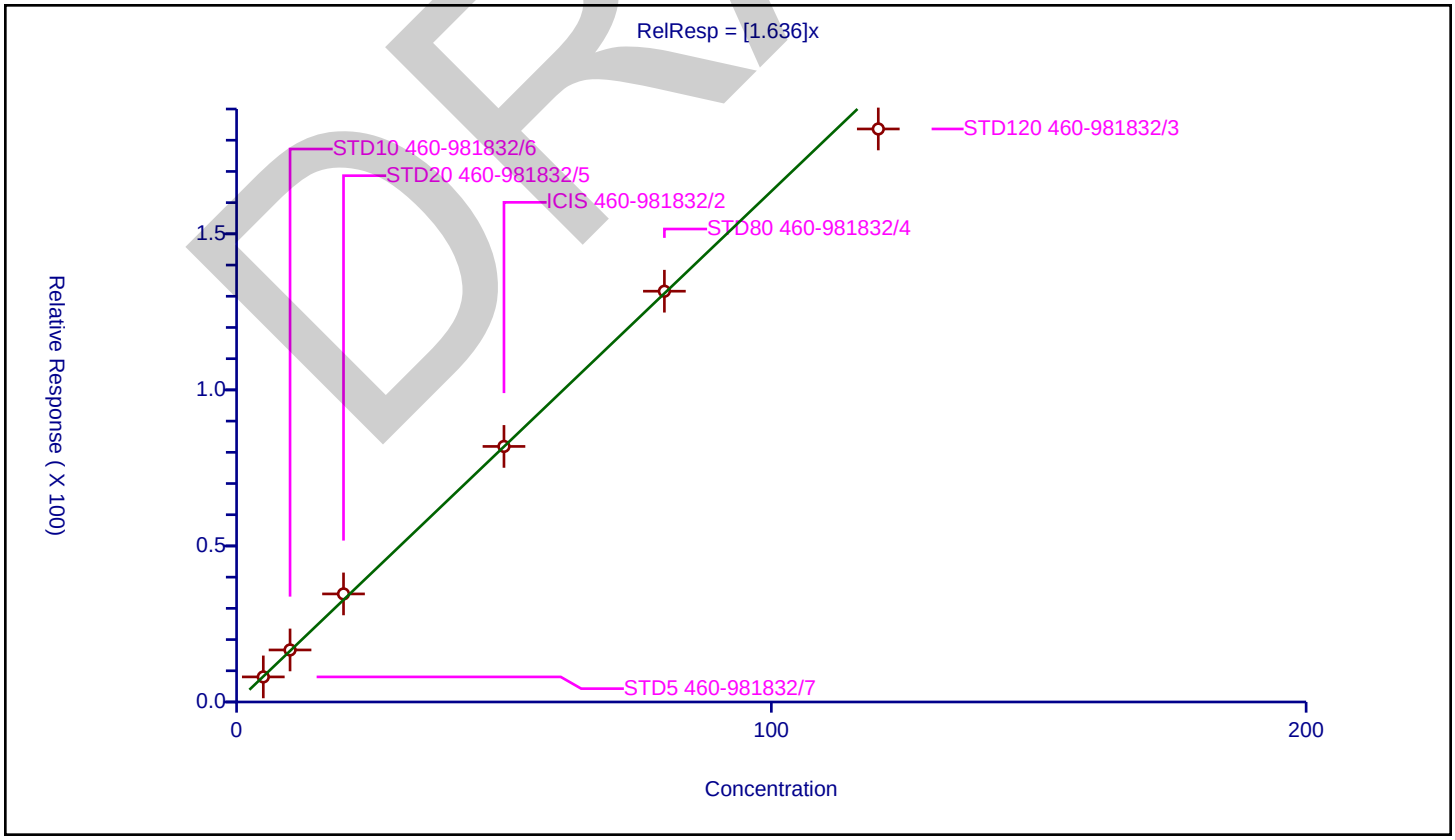
Intercept:	0
Slope:	1.636

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	8.032542	40.0	255914.0	1.606508	Y
2	STD10 460-981832/6	10.0	16.677931	40.0	253902.0	1.667793	Y
3	STD20 460-981832/5	20.0	34.627629	40.0	265246.0	1.731381	Y
4	ICIS 460-981832/2	50.0	81.889011	40.0	245610.0	1.63778	Y
5	STD80 460-981832/4	80.0	131.622762	40.0	267396.0	1.645285	Y
6	STD120 460-981832/3	120.0	183.611378	40.0	246759.0	1.530095	Y

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Calibration / 4-Methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

Curve Coefficients

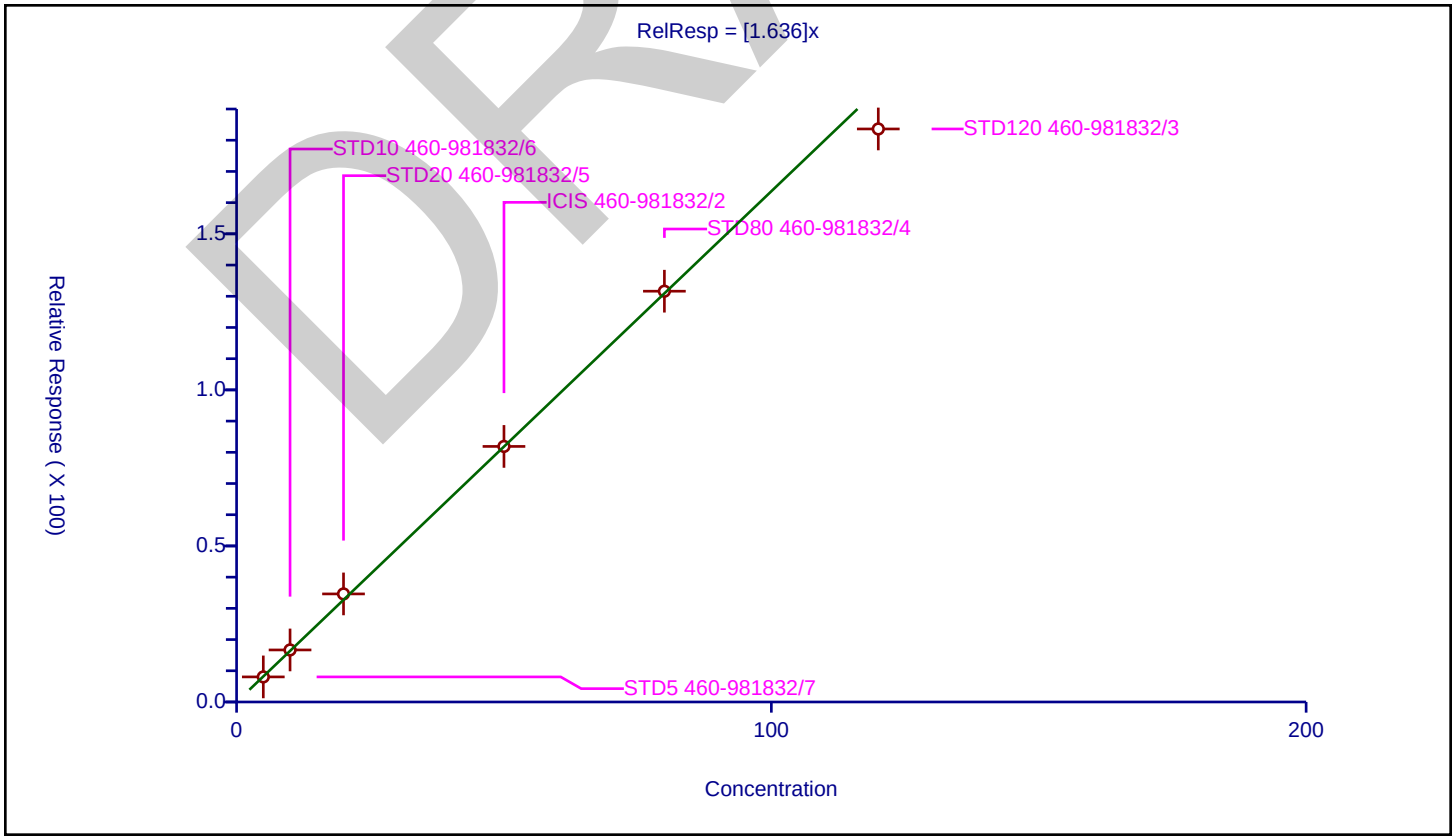
Intercept:	0
Slope:	1.636

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	8.032542	40.0	255914.0	1.606508	Y
2	STD10 460-981832/6	10.0	16.677931	40.0	253902.0	1.667793	Y
3	STD20 460-981832/5	20.0	34.627629	40.0	265246.0	1.731381	Y
4	ICIS 460-981832/2	50.0	81.889011	40.0	245610.0	1.63778	Y
5	STD80 460-981832/4	80.0	131.622762	40.0	267396.0	1.645285	Y
6	STD120 460-981832/3	120.0	183.611378	40.0	246759.0	1.530095	Y

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Calibration / N-Nitrosodi-n-propylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

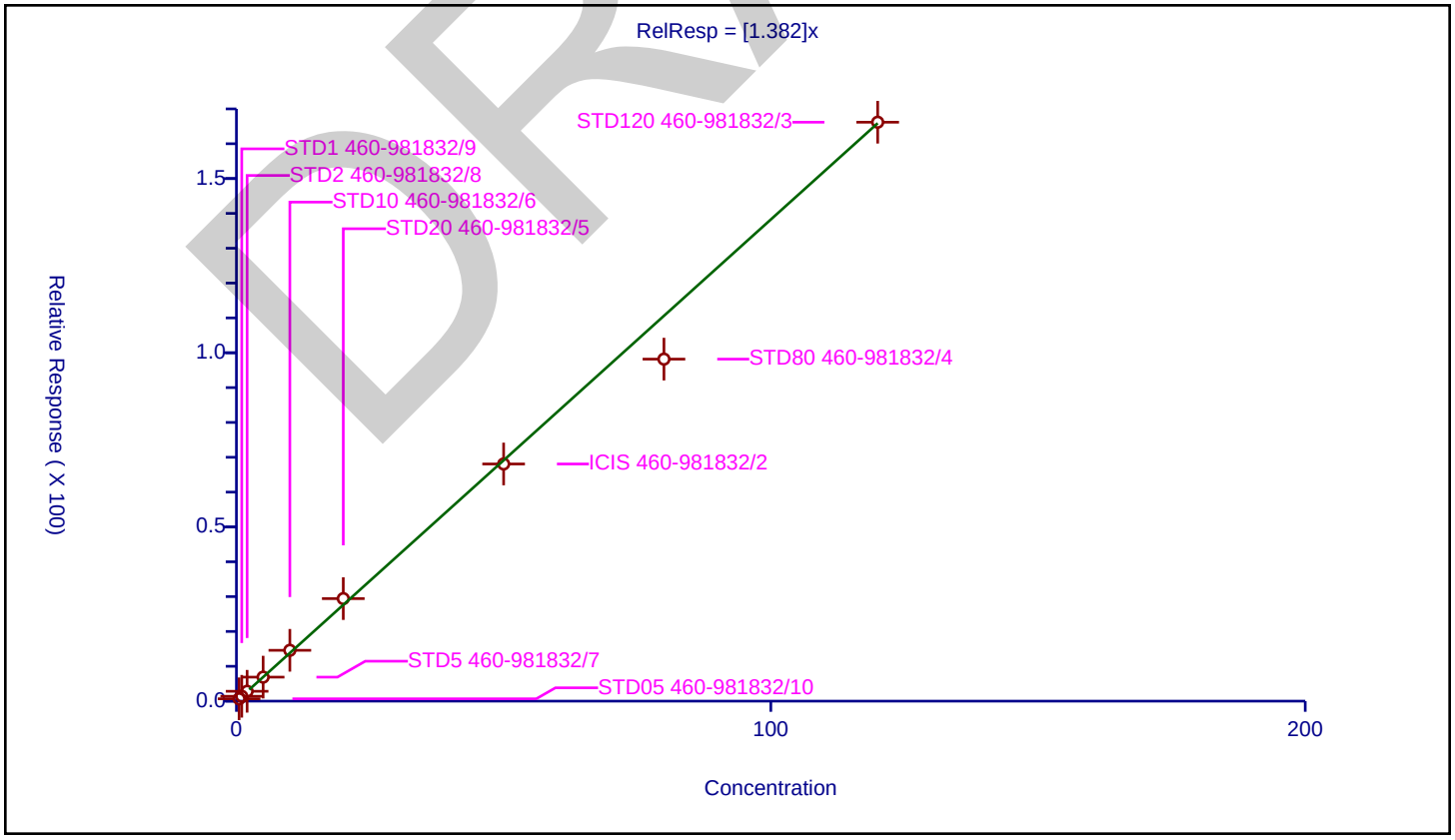
Curve Coefficients

Intercept:	0
Slope:	1.382

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD05 460-981832/10	0.5	0.674898	40.0	246141.0	1.349795	Y
2	STD1 460-981832/9	1.0	1.394371	40.0	244899.0	1.394371	Y
3	STD2 460-981832/8	2.0	2.830004	40.0	265936.0	1.415002	Y
4	STD5 460-981832/7	5.0	6.892628	40.0	255914.0	1.378526	Y
5	STD10 460-981832/6	10.0	14.591614	40.0	253902.0	1.459161	Y
6	STD20 460-981832/5	20.0	29.426419	40.0	265246.0	1.471321	Y
7	ICIS 460-981832/2	50.0	68.07801	40.0	245610.0	1.36156	Y
8	STD80 460-981832/4	80.0	98.173047	40.0	267396.0	1.227163	Y
9	STD120 460-981832/3	120.0	166.177525	40.0	246759.0	1.384813	Y



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Calibration / Hexachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

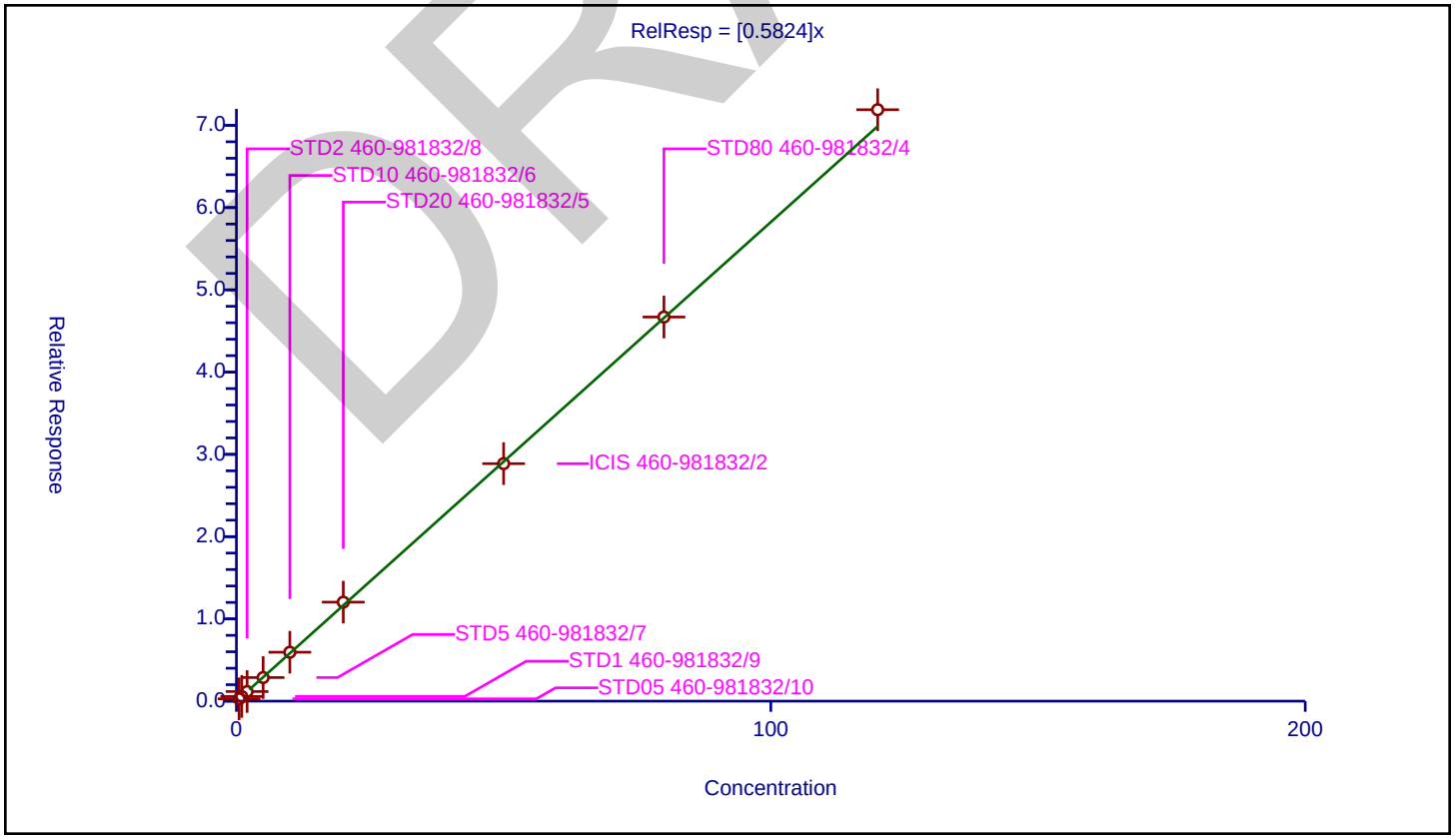
Curve Coefficients

Intercept:	0
Slope:	0.5824

Error Coefficients

Relative Standard Deviation:	2.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD05 460-981832/10	0.5	0.278865	40.0	246141.0	0.557729	Y
2	STD1 460-981832/9	1.0	0.569868	40.0	244899.0	0.569868	Y
3	STD2 460-981832/8	2.0	1.1678	40.0	265936.0	0.5839	Y
4	STD5 460-981832/7	5.0	2.865963	40.0	255914.0	0.573193	Y
5	STD10 460-981832/6	10.0	5.945601	40.0	253902.0	0.59456	Y
6	STD20 460-981832/5	20.0	12.034263	40.0	265246.0	0.601713	Y
7	ICIS 460-981832/2	50.0	28.872277	40.0	245610.0	0.577446	Y
8	STD80 460-981832/4	80.0	46.696884	40.0	267396.0	0.583711	Y
9	STD120 460-981832/3	120.0	71.900275	40.0	246759.0	0.599169	Y



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Calibration / Nitrobenzene-d5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

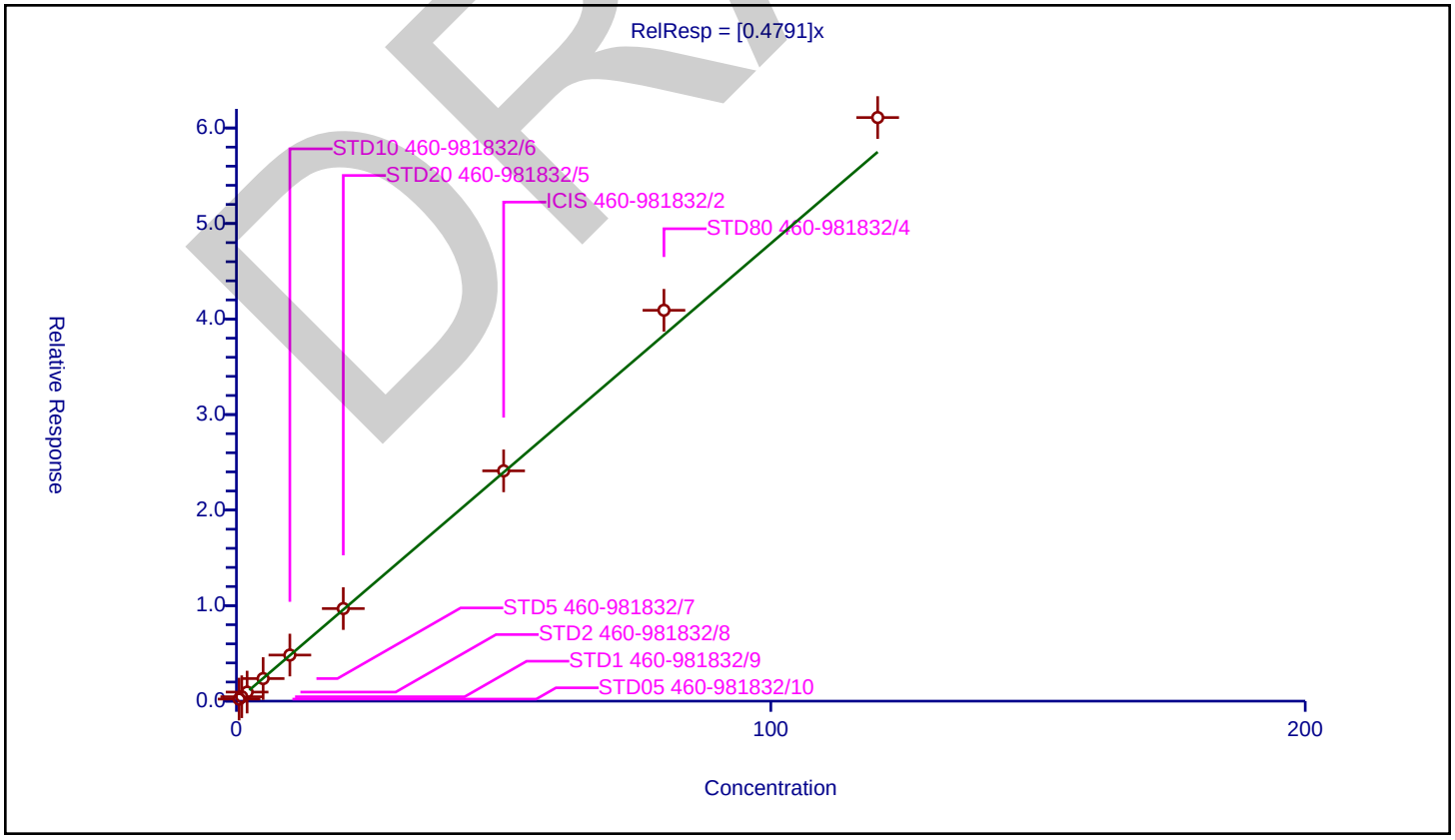
Curve Coefficients

Intercept:	0
Slope:	0.4791

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD05 460-981832/10	0.5	0.216173	40.0	1004194.0	0.432347	Y
2	STD1 460-981832/9	1.0	0.462432	40.0	1002007.0	0.462432	Y
3	STD2 460-981832/8	2.0	0.949601	40.0	1074220.0	0.4748	Y
4	STD5 460-981832/7	5.0	2.363672	40.0	1031260.0	0.472734	Y
5	STD10 460-981832/6	10.0	4.824565	40.0	1044604.0	0.482457	Y
6	STD20 460-981832/5	20.0	9.689975	40.0	1088106.0	0.484499	Y
7	ICIS 460-981832/2	50.0	24.107367	40.0	983467.0	0.482147	Y
8	STD80 460-981832/4	80.0	40.919748	40.0	1080165.0	0.511497	Y
9	STD120 460-981832/3	120.0	61.092703	40.0	972890.0	0.509106	Y



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Calibration / Nitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

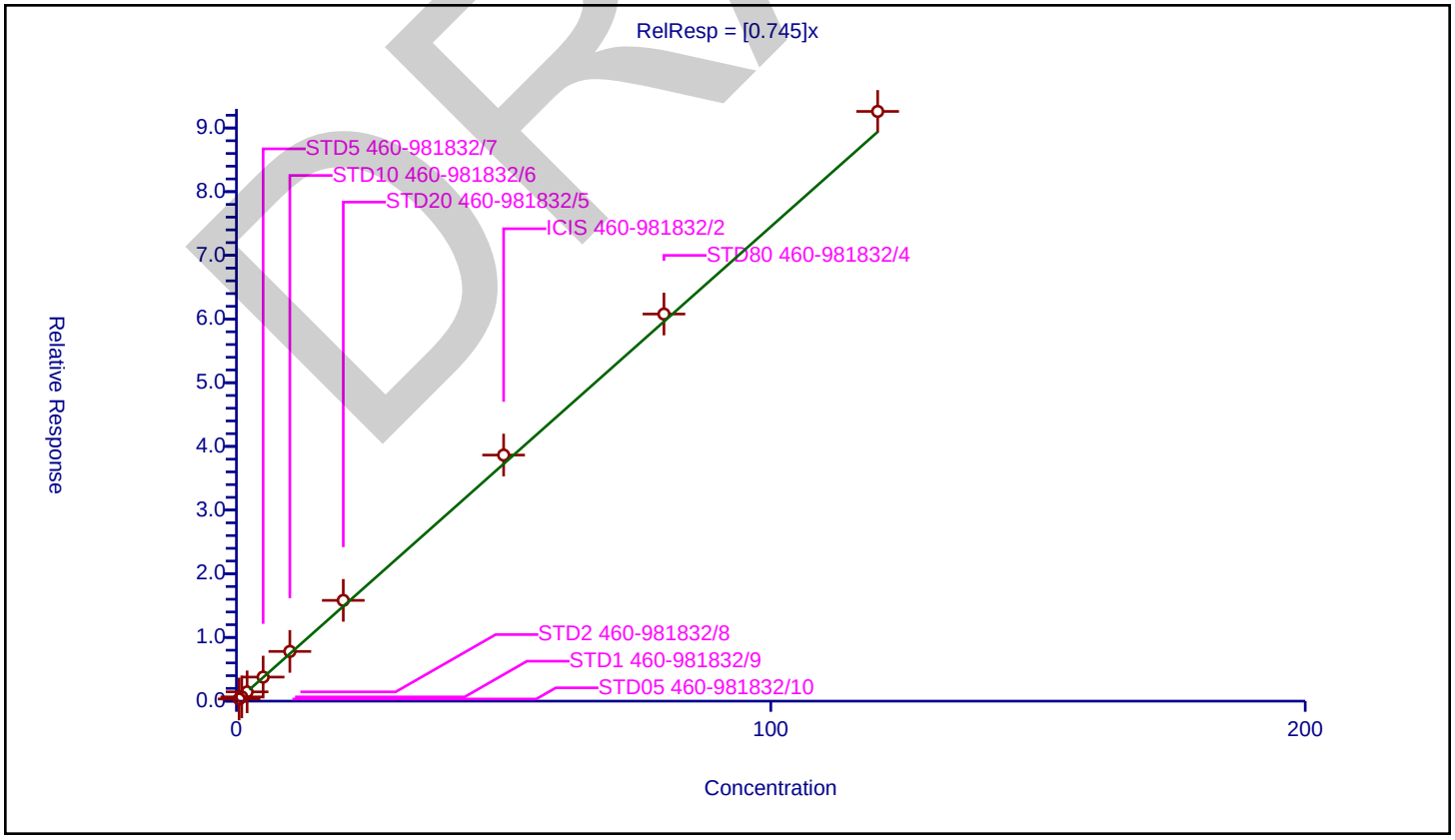
Curve Coefficients

Intercept:	0
Slope:	0.745

Error Coefficients

Relative Standard Deviation:	6.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD05 460-981832/10	0.5	0.337855	40.0	246141.0	0.67571	Y
2	STD1 460-981832/9	1.0	0.66901	40.0	244899.0	0.66901	Y
3	STD2 460-981832/8	2.0	1.457494	40.0	265936.0	0.728747	Y
4	STD5 460-981832/7	5.0	3.777988	40.0	255914.0	0.755598	Y
5	STD10 460-981832/6	10.0	7.804901	40.0	253902.0	0.78049	Y
6	STD20 460-981832/5	20.0	15.821992	40.0	265246.0	0.7911	Y
7	ICIS 460-981832/2	50.0	38.641586	40.0	245610.0	0.772832	Y
8	STD80 460-981832/4	80.0	60.786399	40.0	267396.0	0.75983	Y
9	STD120 460-981832/3	120.0	92.601445	40.0	246759.0	0.771679	Y



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Calibration / n,n'-Dimethylaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

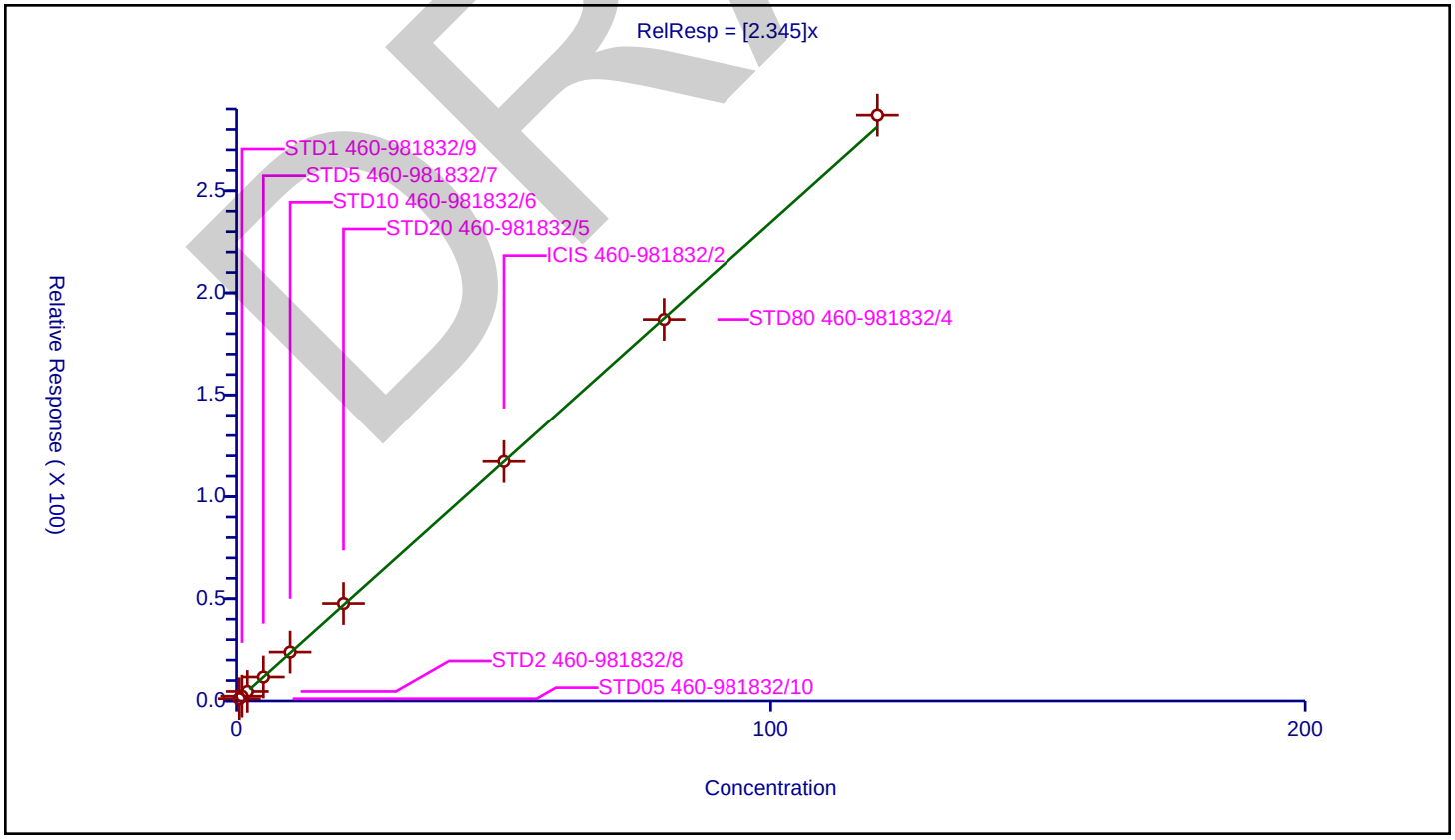
Curve Coefficients

Intercept:	0
Slope:	2.345

Error Coefficients

Relative Standard Deviation:	2.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD05 460-981832/10	0.5	1.113508	40.0	246141.0	2.227016	Y
2	STD1 460-981832/9	1.0	2.35199	40.0	244899.0	2.35199	Y
3	STD2 460-981832/8	2.0	4.665183	40.0	265936.0	2.332591	Y
4	STD5 460-981832/7	5.0	11.726752	40.0	255914.0	2.34535	Y
5	STD10 460-981832/6	10.0	23.905601	40.0	253902.0	2.39056	Y
6	STD20 460-981832/5	20.0	47.643923	40.0	265246.0	2.382196	Y
7	ICIS 460-981832/2	50.0	117.252718	40.0	245610.0	2.345054	Y
8	STD80 460-981832/4	80.0	186.99442	40.0	267396.0	2.33743	Y
9	STD120 460-981832/3	120.0	287.004243	40.0	246759.0	2.391702	Y



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Calibration / Isophorone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

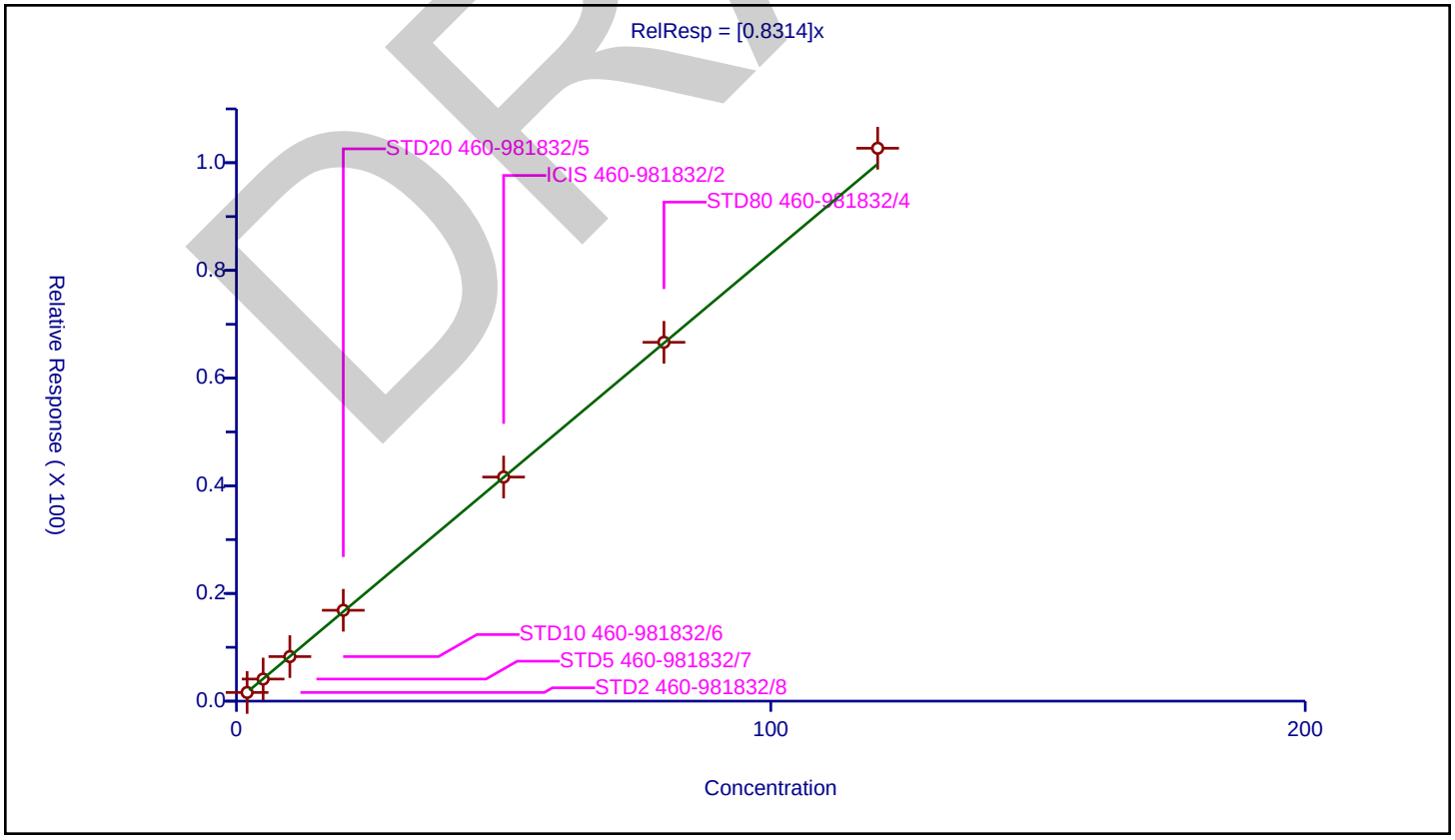
Curve Coefficients

Intercept:	0
Slope:	0.8314

Error Coefficients

Relative Standard Deviation:	1.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 460-981832/8	2.0	1.612109	40.0	1074220.0	0.806055	Y
2	STD5 460-981832/7	5.0	4.104261	40.0	1031260.0	0.820852	Y
3	STD10 460-981832/6	10.0	8.275672	40.0	1044604.0	0.827567	Y
4	STD20 460-981832/5	20.0	16.877326	40.0	1088106.0	0.843866	Y
5	ICIS 460-981832/2	50.0	41.619454	40.0	983467.0	0.832389	Y
6	STD80 460-981832/4	80.0	66.65178	40.0	1080165.0	0.833147	Y
7	STD120 460-981832/3	120.0	102.693131	40.0	972890.0	0.855776	Y



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Calibration / 2-Nitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

Curve Coefficients

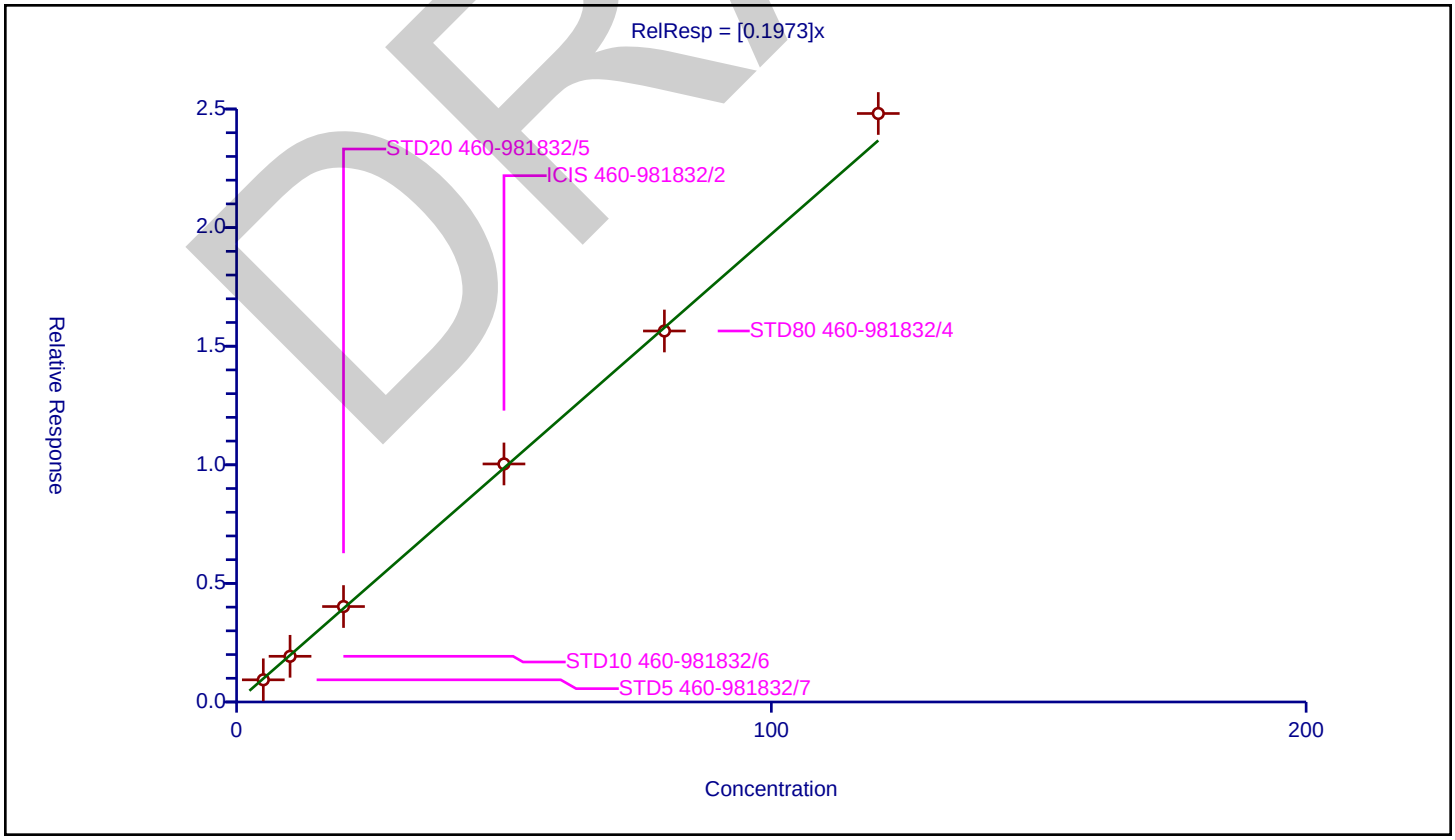
Intercept:	0
Slope:	0.1973

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	0.934352	40.0	1031260.0	0.18687	Y
2	STD10 460-981832/6	10.0	1.925897	40.0	1044604.0	0.19259	Y
3	STD20 460-981832/5	20.0	4.024571	40.0	1088106.0	0.201229	Y
4	ICIS 460-981832/2	50.0	10.036331	40.0	983467.0	0.200727	Y
5	STD80 460-981832/4	80.0	15.642055	40.0	1080165.0	0.195526	Y
6	STD120 460-981832/3	120.0	24.811109	40.0	972890.0	0.206759	Y

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Calibration / 2,4-Dimethylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

Curve Coefficients

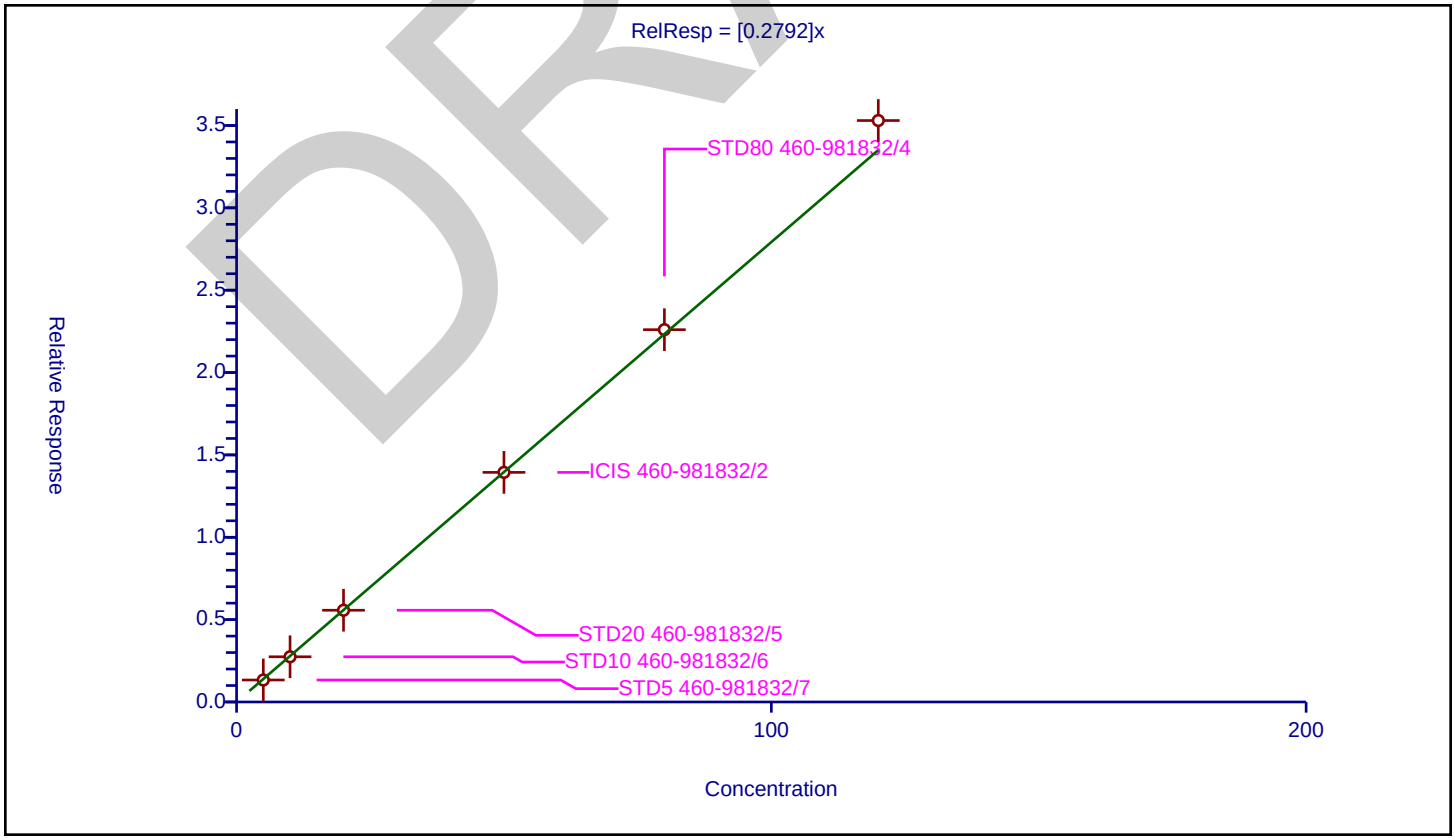
Intercept:	0
Slope:	0.2792

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	1.334096	40.0	1031260.0	0.266819	Y
2	STD10 460-981832/6	10.0	2.744274	40.0	1044604.0	0.274427	Y
3	STD20 460-981832/5	20.0	5.569641	40.0	1088106.0	0.278482	Y
4	ICIS 460-981832/2	50.0	13.939461	40.0	983467.0	0.278789	Y
5	STD80 460-981832/4	80.0	22.603806	40.0	1080165.0	0.282548	Y
6	STD120 460-981832/3	120.0	35.300969	40.0	972890.0	0.294175	Y

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Calibration / Benzoic acid

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

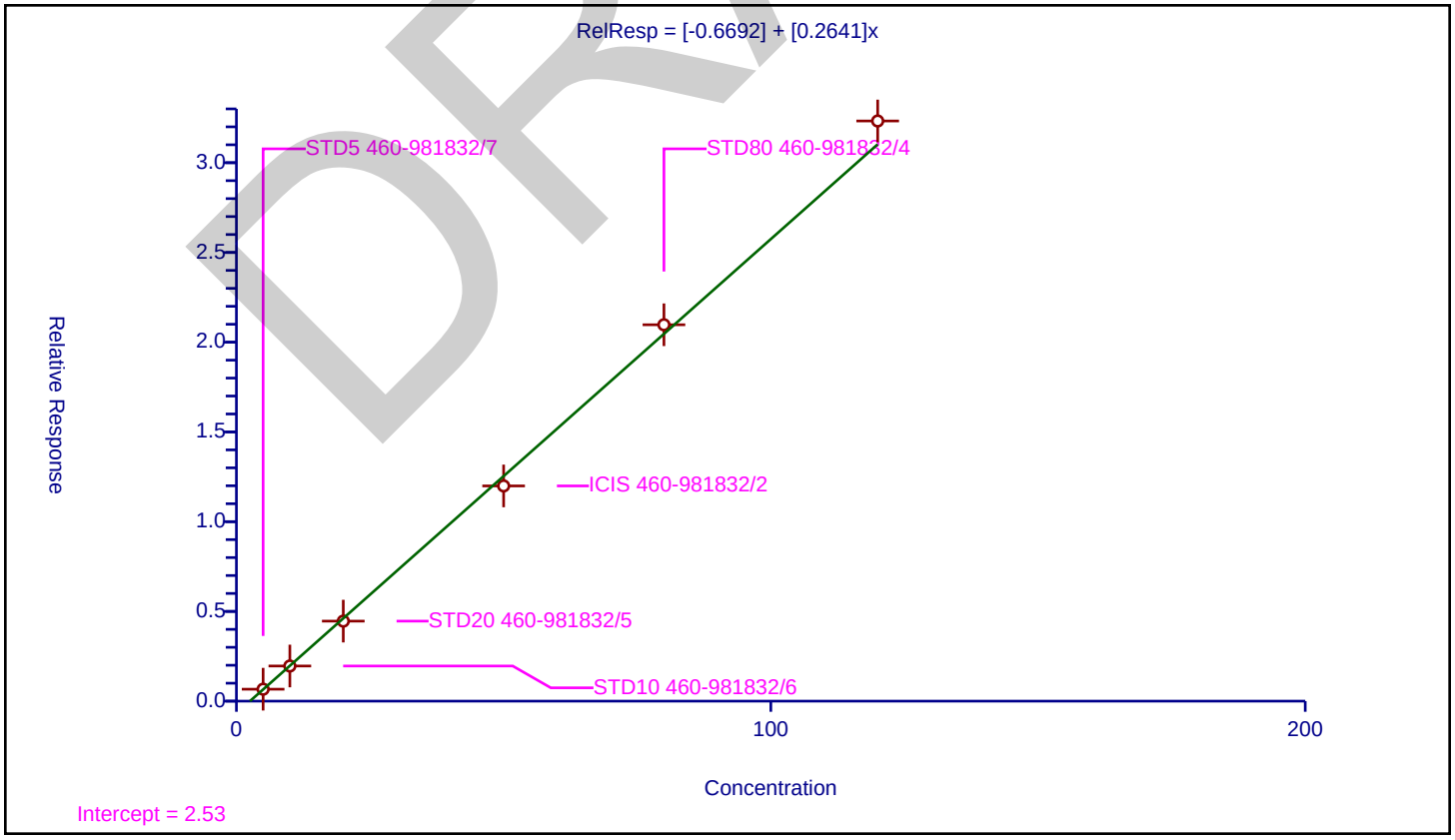
Curve Coefficients

Intercept:	-0.6692
Slope:	0.2641

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	0.665943	40.0	1031260.0	0.133189	Y
2	STD10 460-981832/6	10.0	1.957526	40.0	1044604.0	0.195753	Y
3	STD20 460-981832/5	20.0	4.458646	40.0	1088106.0	0.222932	Y
4	ICIS 460-981832/2	50.0	11.991902	40.0	983467.0	0.239838	Y
5	STD80 460-981832/4	80.0	20.971166	40.0	1080165.0	0.26214	Y
6	STD120 460-981832/3	120.0	32.325669	40.0	972890.0	0.269381	Y



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Calibration / Bis(2-chloroethoxy)methane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

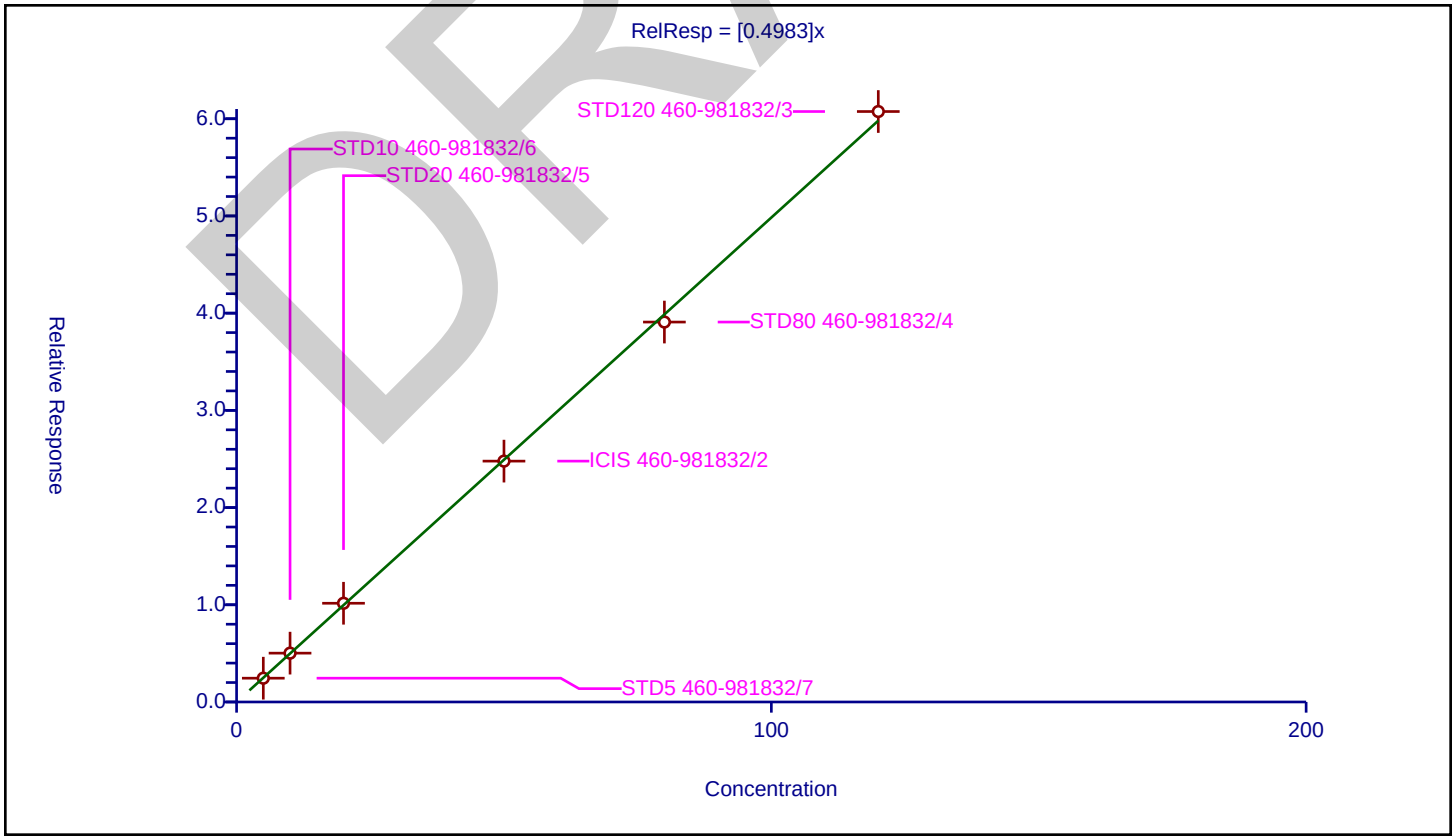
Curve Coefficients

Intercept:	0
Slope:	0.4983

Error Coefficients

Relative Standard Deviation:	1.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	2.447065	40.0	1031260.0	0.489413	Y
2	STD10 460-981832/6	10.0	5.024871	40.0	1044604.0	0.502487	Y
3	STD20 460-981832/5	20.0	10.15776	40.0	1088106.0	0.507888	Y
4	ICIS 460-981832/2	50.0	24.778218	40.0	983467.0	0.495564	Y
5	STD80 460-981832/4	80.0	39.084251	40.0	1080165.0	0.488553	Y
6	STD120 460-981832/3	120.0	60.741173	40.0	972890.0	0.506176	Y



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Calibration / 2,4-Dichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

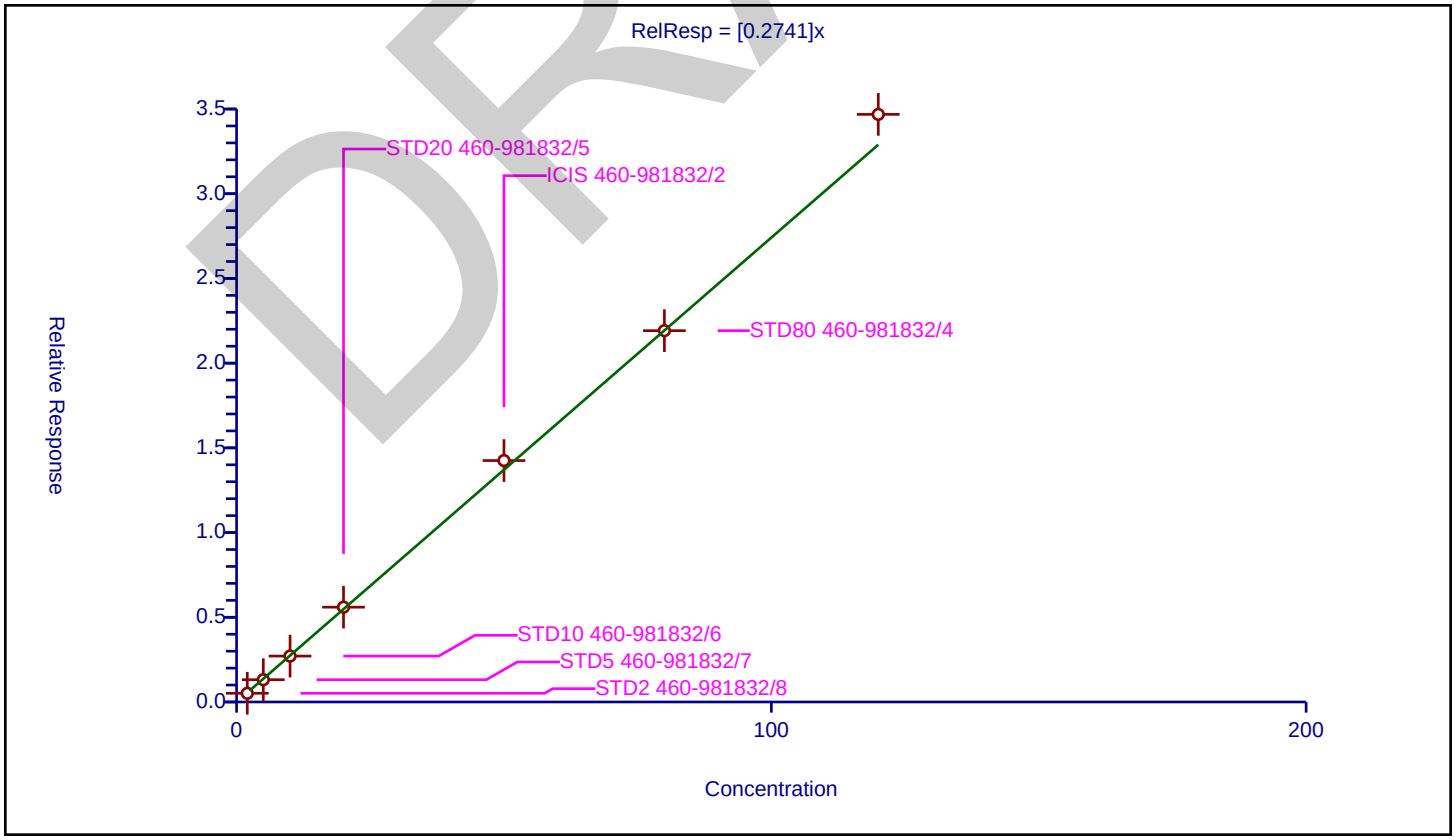
Curve Coefficients

Intercept:	0
Slope:	0.2741

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 460-981832/8	2.0	0.514085	40.0	1074220.0	0.257042	Y
2	STD5 460-981832/7	5.0	1.314392	40.0	1031260.0	0.262878	Y
3	STD10 460-981832/6	10.0	2.709812	40.0	1044604.0	0.270981	Y
4	STD20 460-981832/5	20.0	5.596991	40.0	1088106.0	0.27985	Y
5	ICIS 460-981832/2	50.0	14.250402	40.0	983467.0	0.285008	Y
6	STD80 460-981832/4	80.0	21.917689	40.0	1080165.0	0.273971	Y
7	STD120 460-981832/3	120.0	34.683222	40.0	972890.0	0.289027	Y



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Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

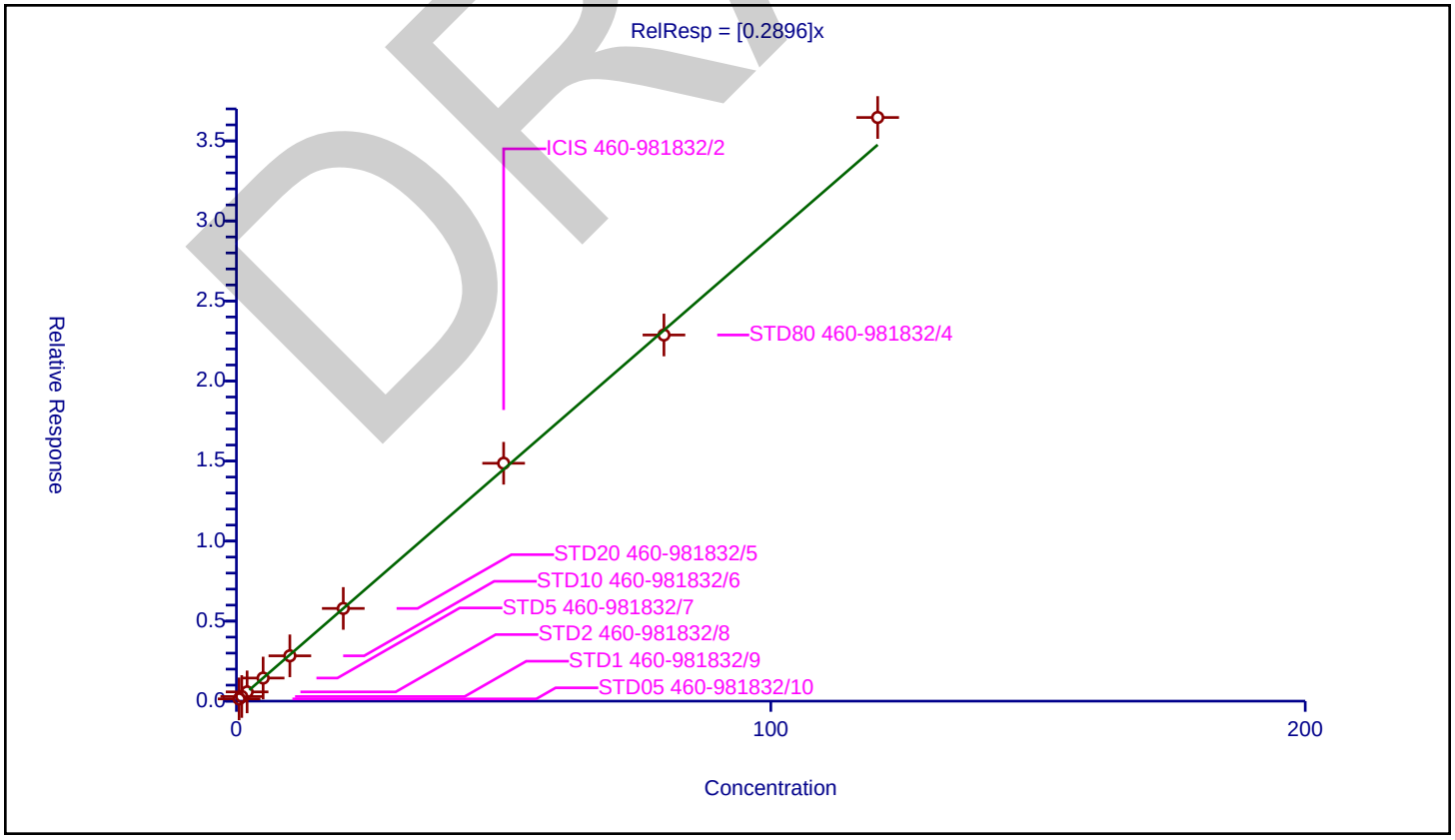
Curve Coefficients

Intercept:	0
Slope:	0.2896

Error Coefficients

Relative Standard Deviation:	2.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD05 460-981832/10	0.5	0.140292	40.0	1004194.0	0.280583	Y
2	STD1 460-981832/9	1.0	0.28874	40.0	1002007.0	0.28874	Y
3	STD2 460-981832/8	2.0	0.577759	40.0	1074220.0	0.288879	Y
4	STD5 460-981832/7	5.0	1.443748	40.0	1031260.0	0.28875	Y
5	STD10 460-981832/6	10.0	2.831848	40.0	1044604.0	0.283185	Y
6	STD20 460-981832/5	20.0	5.790943	40.0	1088106.0	0.289547	Y
7	ICIS 460-981832/2	50.0	14.861424	40.0	983467.0	0.297228	Y
8	STD80 460-981832/4	80.0	22.875579	40.0	1080165.0	0.285945	Y
9	STD120 460-981832/3	120.0	36.463074	40.0	972890.0	0.303859	Y



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Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

Curve Coefficients

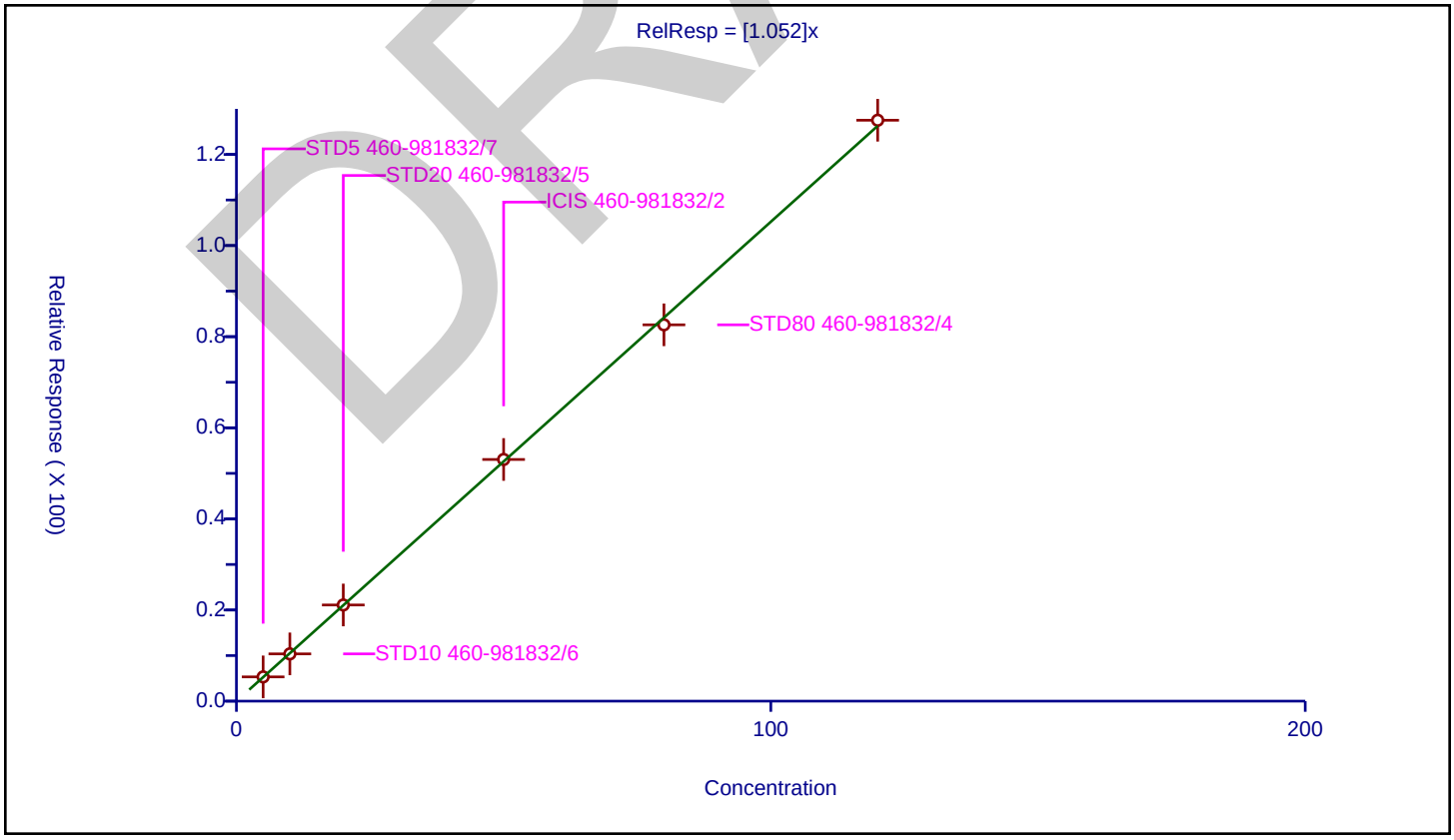
Intercept:	0
Slope:	1.052

Error Coefficients

Relative Standard Deviation:	1.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	5.321762	40.0	1031260.0	1.064352	Y
2	STD10 460-981832/6	10.0	10.373692	40.0	1044604.0	1.037369	Y
3	STD20 460-981832/5	20.0	21.108495	40.0	1088106.0	1.055425	Y
4	ICIS 460-981832/2	50.0	53.047881	40.0	983467.0	1.060958	Y
5	STD80 460-981832/4	80.0	82.604787	40.0	1080165.0	1.03256	Y
6	STD120 460-981832/3	120.0	127.506789	40.0	972890.0	1.062557	Y

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Calibration / 4-Chloroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

Curve Coefficients

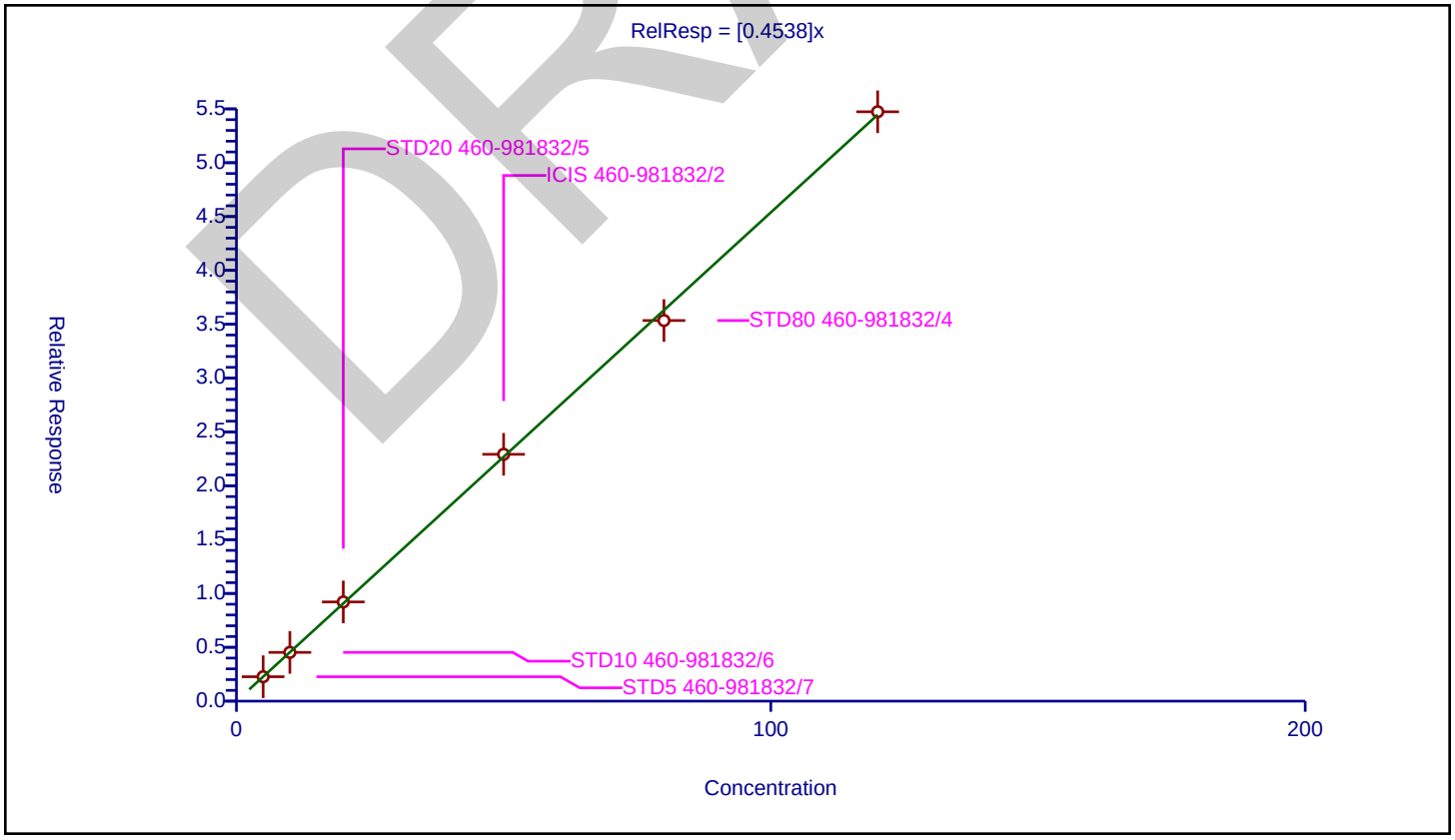
Intercept:	0
Slope:	0.4538

Error Coefficients

Relative Standard Deviation:	1.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	2.266625	40.0	1031260.0	0.453325	Y
2	STD10 460-981832/6	10.0	4.526883	40.0	1044604.0	0.452688	Y
3	STD20 460-981832/5	20.0	9.211235	40.0	1088106.0	0.460562	Y
4	ICIS 460-981832/2	50.0	22.923392	40.0	983467.0	0.458468	Y
5	STD80 460-981832/4	80.0	35.346415	40.0	1080165.0	0.44183	Y
6	STD120 460-981832/3	120.0	54.733629	40.0	972890.0	0.456114	Y

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Calibration / 2,6-Dichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

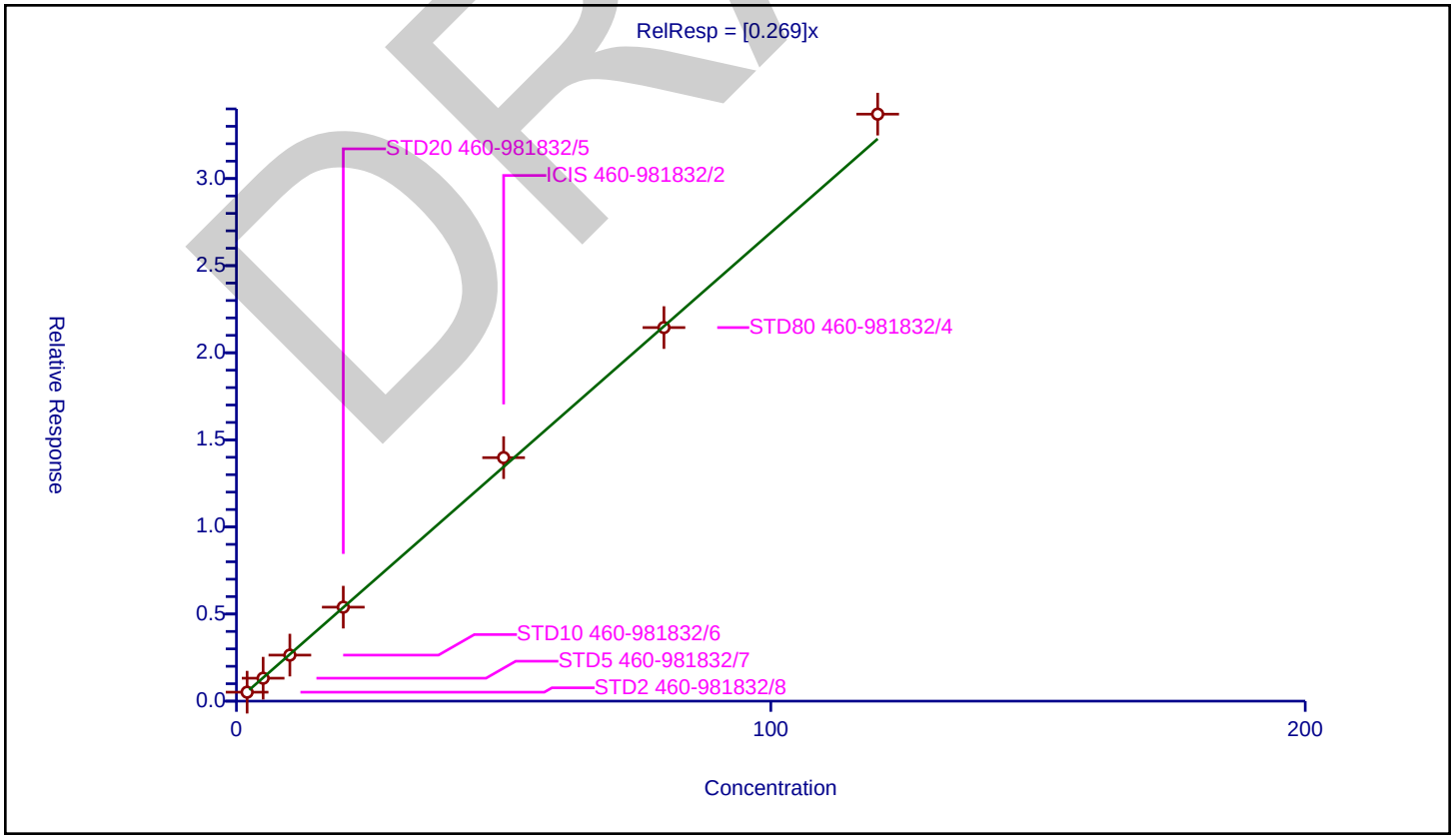
Curve Coefficients

Intercept:	0
Slope:	0.269

Error Coefficients

Relative Standard Deviation:	3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 460-981832/8	2.0	0.51442	40.0	1074220.0	0.25721	Y
2	STD5 460-981832/7	5.0	1.317068	40.0	1031260.0	0.263414	Y
3	STD10 460-981832/6	10.0	2.642532	40.0	1044604.0	0.264253	Y
4	STD20 460-981832/5	20.0	5.394585	40.0	1088106.0	0.269729	Y
5	ICIS 460-981832/2	50.0	13.978669	40.0	983467.0	0.279573	Y
6	STD80 460-981832/4	80.0	21.446649	40.0	1080165.0	0.268083	Y
7	STD120 460-981832/3	120.0	33.698486	40.0	972890.0	0.280821	Y



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Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

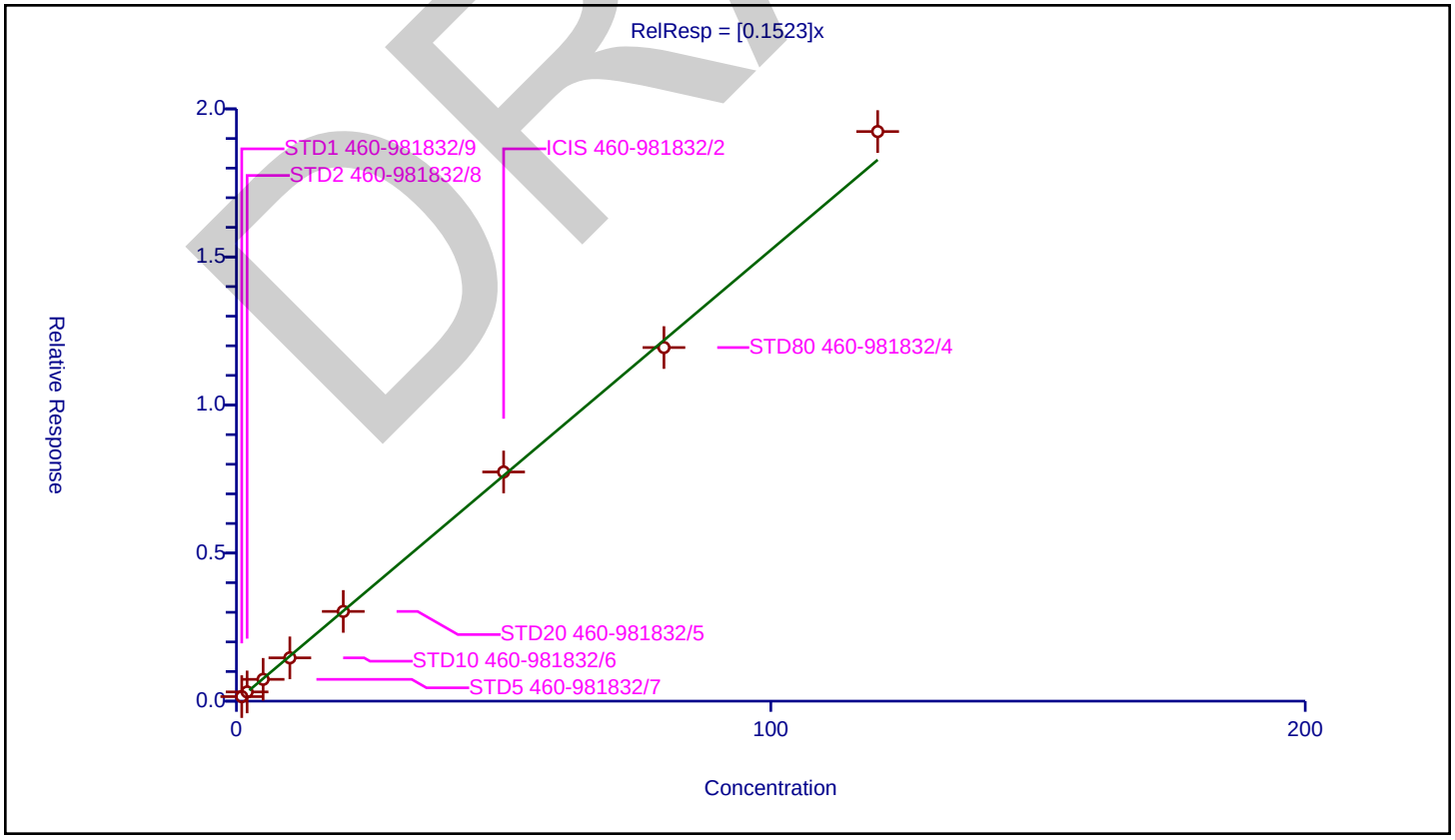
Curve Coefficients

Intercept:	0
Slope:	0.1523

Error Coefficients

Relative Standard Deviation:	3.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-981832/9	1.0	0.153532	40.0	1002007.0	0.153532	Y
2	STD2 460-981832/8	2.0	0.311594	40.0	1074220.0	0.155797	Y
3	STD5 460-981832/7	5.0	0.736342	40.0	1031260.0	0.147268	Y
4	STD10 460-981832/6	10.0	1.462449	40.0	1044604.0	0.146245	Y
5	STD20 460-981832/5	20.0	3.029484	40.0	1088106.0	0.151474	Y
6	ICIS 460-981832/2	50.0	7.739517	40.0	983467.0	0.15479	Y
7	STD80 460-981832/4	80.0	11.941287	40.0	1080165.0	0.149266	Y
8	STD120 460-981832/3	120.0	19.234405	40.0	972890.0	0.160287	Y



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Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

Curve Coefficients

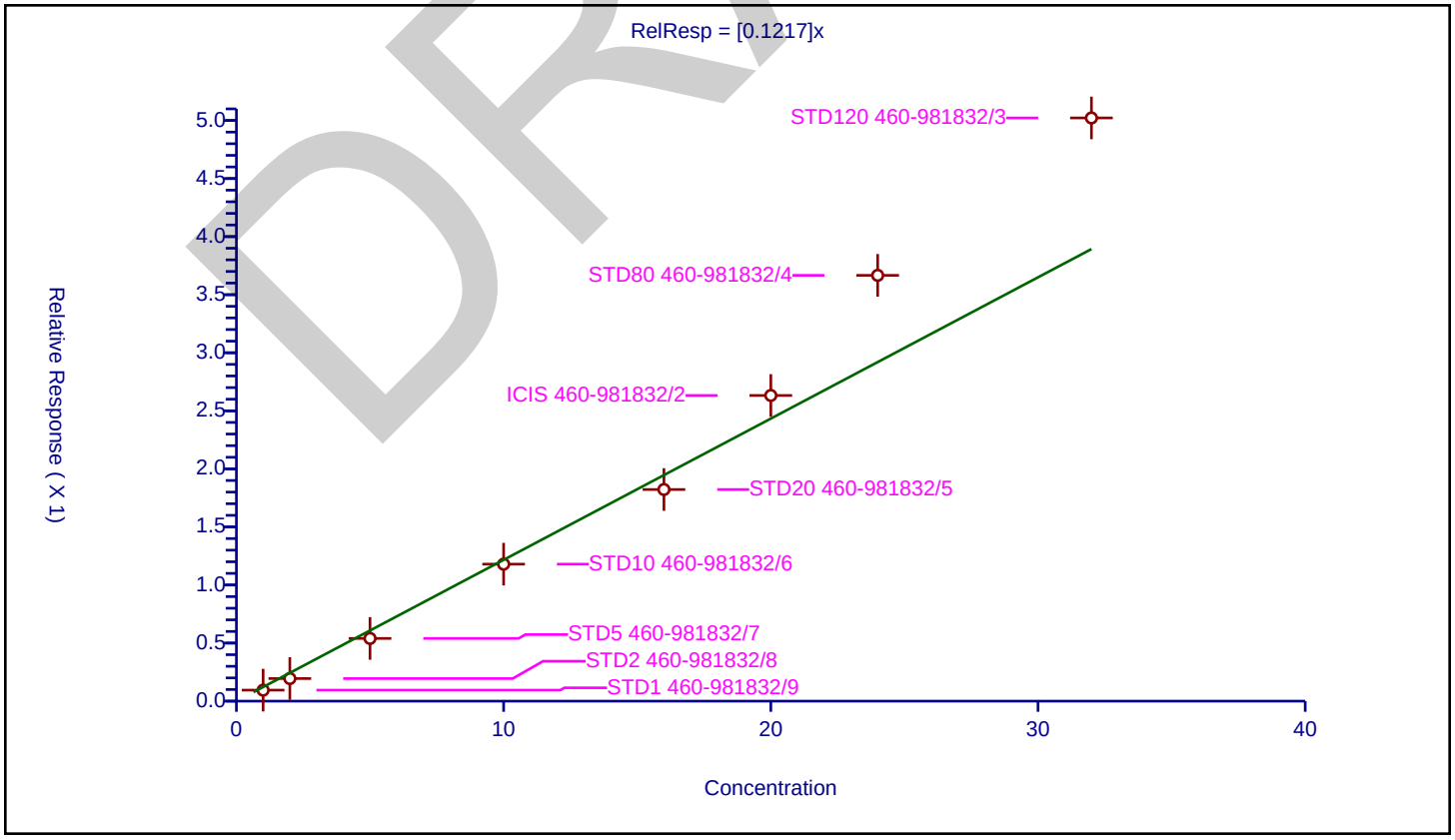
Intercept:	0
Slope:	0.1217

Error Coefficients

Relative Standard Deviation:	19.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-981832/9	1.0	0.09473	40.0	1002007.0	0.09473	Y
2	STD2 460-981832/8	2.0	0.194597	40.0	1074220.0	0.097299	Y
3	STD5 460-981832/7	5.0	0.539961	40.0	1031260.0	0.107992	Y
4	STD10 460-981832/6	10.0	1.179739	40.0	1044604.0	0.117974	Y
5	STD20 460-981832/5	16.0	1.822322	40.0	1088106.0	0.113895	Y
6	ICIS 460-981832/2	20.0	2.632239	40.0	983467.0	0.131612	Y
7	STD80 460-981832/4	24.0	3.666514	40.0	1080165.0	0.152771	Y
8	STD120 460-981832/3	32.0	5.021904	40.0	972890.0	0.156934	Y

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Calibration / 4-Chloro-3-methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

Curve Coefficients

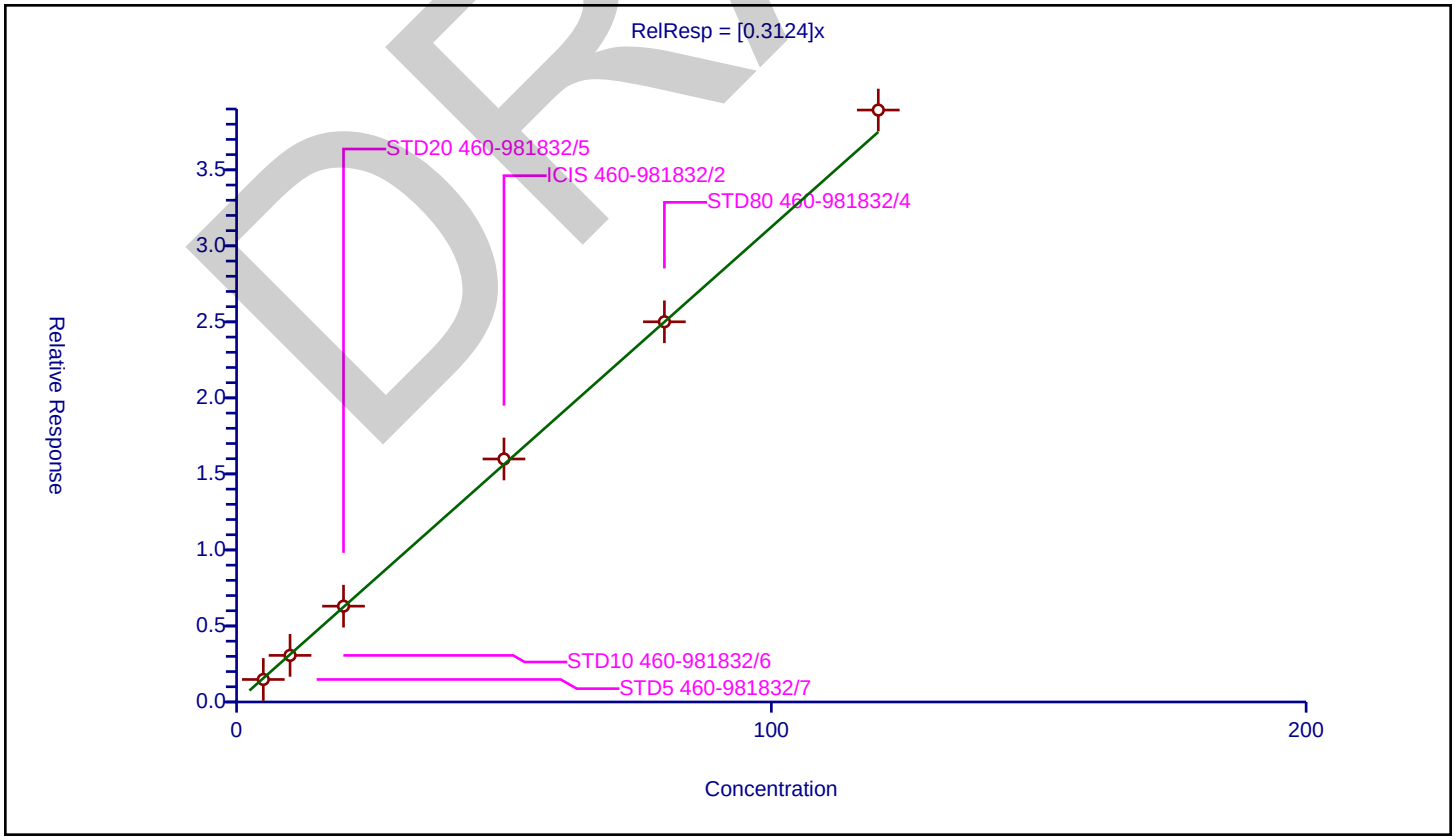
Intercept:	0
Slope:	0.3124

Error Coefficients

Relative Standard Deviation:	3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	1.481101	40.0	1031260.0	0.29622	Y
2	STD10 460-981832/6	10.0	3.065621	40.0	1044604.0	0.306562	Y
3	STD20 460-981832/5	20.0	6.301849	40.0	1088106.0	0.315092	Y
4	ICIS 460-981832/2	50.0	15.982966	40.0	983467.0	0.319659	Y
5	STD80 460-981832/4	80.0	25.006031	40.0	1080165.0	0.312575	Y
6	STD120 460-981832/3	120.0	38.932212	40.0	972890.0	0.324435	Y

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Calibration / 2-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

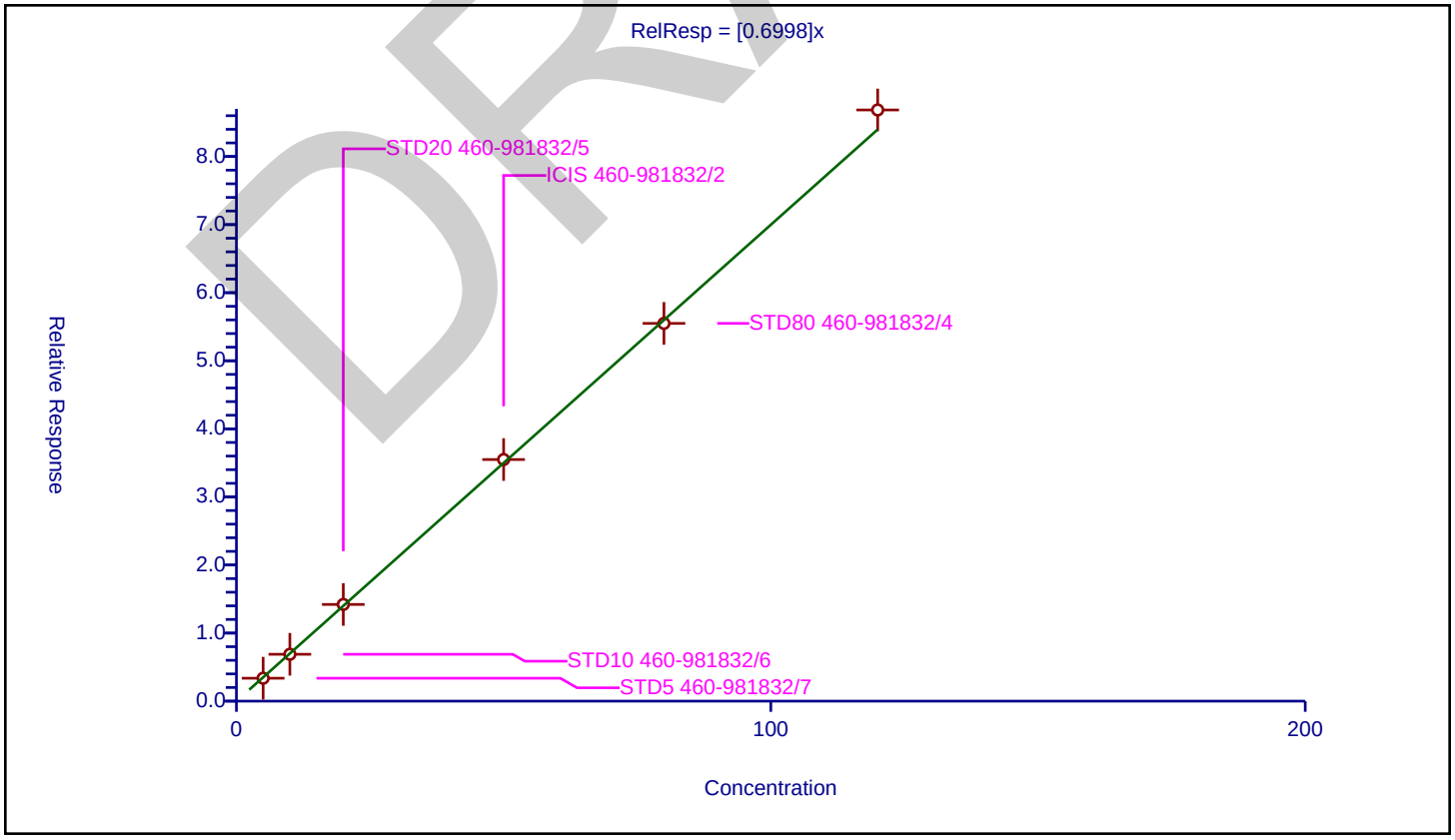
Curve Coefficients

Intercept:	0
Slope:	0.6998

Error Coefficients

Relative Standard Deviation:	2.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	3.364932	40.0	1031260.0	0.672986	Y
2	STD10 460-981832/6	10.0	6.883565	40.0	1044604.0	0.688357	Y
3	STD20 460-981832/5	20.0	14.204535	40.0	1088106.0	0.710227	Y
4	ICIS 460-981832/2	50.0	35.492152	40.0	983467.0	0.709843	Y
5	STD80 460-981832/4	80.0	55.486967	40.0	1080165.0	0.693587	Y
6	STD120 460-981832/3	120.0	86.84398	40.0	972890.0	0.7237	Y



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Calibration / 1-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

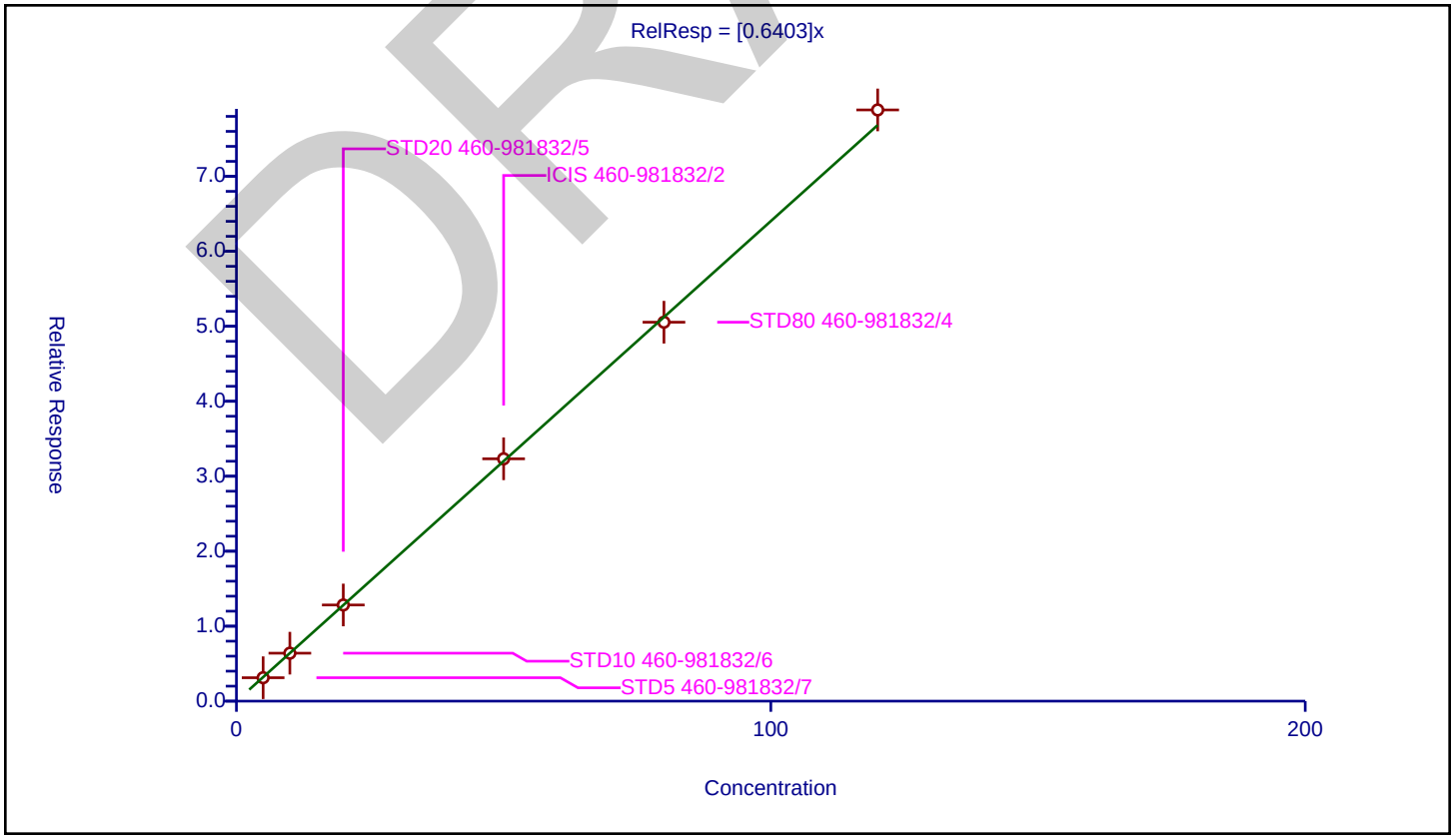
Curve Coefficients

Intercept:	0
Slope:	0.6403

Error Coefficients

Relative Standard Deviation:	1.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	3.125768	40.0	1031260.0	0.625154	Y
2	STD10 460-981832/6	10.0	6.397793	40.0	1044604.0	0.639779	Y
3	STD20 460-981832/5	20.0	12.825993	40.0	1088106.0	0.6413	Y
4	ICIS 460-981832/2	50.0	32.324176	40.0	983467.0	0.646484	Y
5	STD80 460-981832/4	80.0	50.546833	40.0	1080165.0	0.631835	Y
6	STD120 460-981832/3	120.0	78.862153	40.0	972890.0	0.657185	Y



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Calibration / Hexachlorocyclopentadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

Curve Coefficients

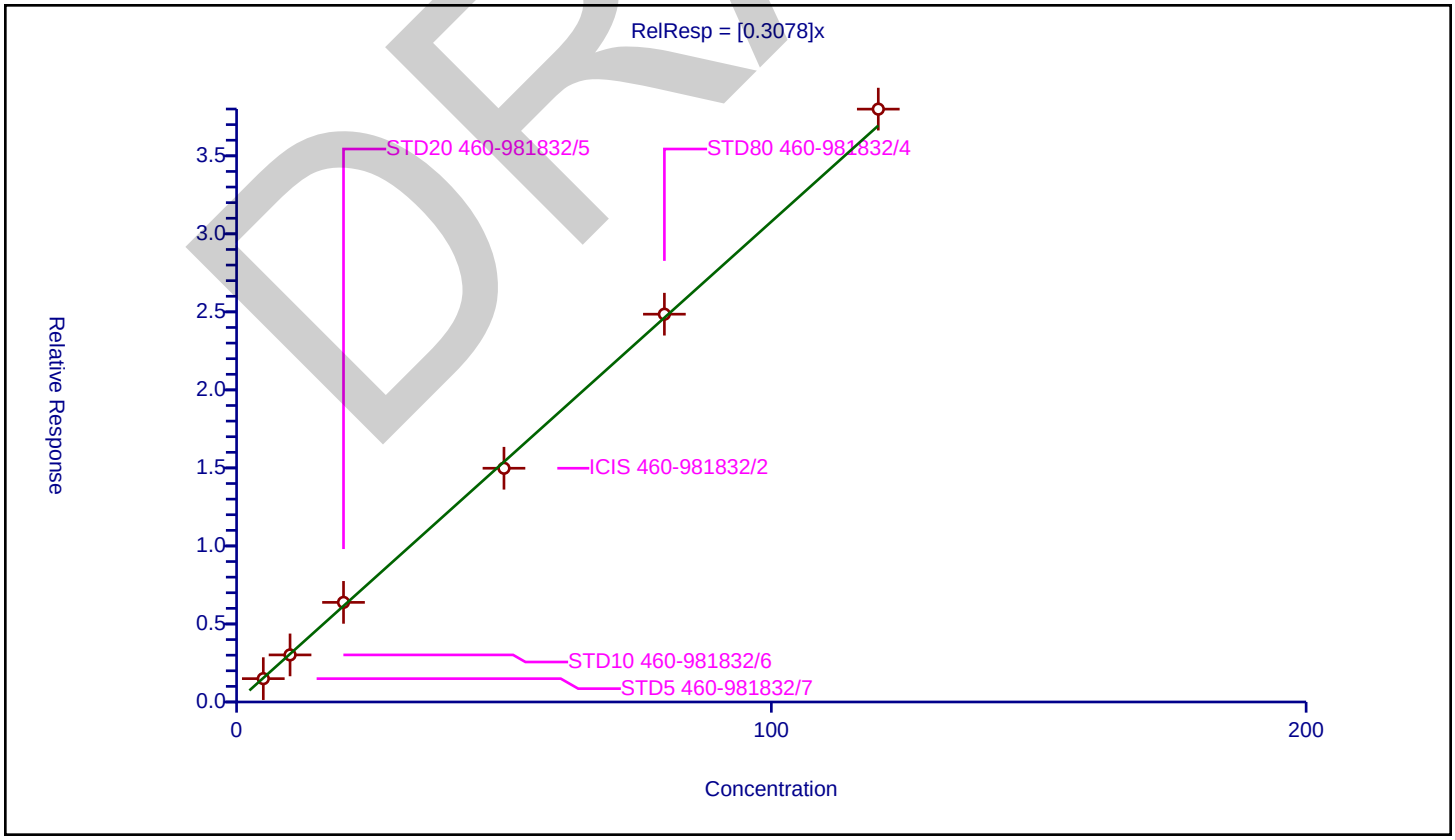
Intercept:	0
Slope:	0.3078

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	1.495929	40.0	534330.0	0.299186	Y
2	STD10 460-981832/6	10.0	3.016351	40.0	543995.0	0.301635	Y
3	STD20 460-981832/5	20.0	6.38397	40.0	564846.0	0.319199	Y
4	ICIS 460-981832/2	50.0	14.979956	40.0	520346.0	0.299599	Y
5	STD80 460-981832/4	80.0	24.852497	40.0	552429.0	0.310656	Y
6	STD120 460-981832/3	120.0	37.992639	40.0	494241.0	0.316605	Y

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Calibration / 1,2,4,5-Tetrachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

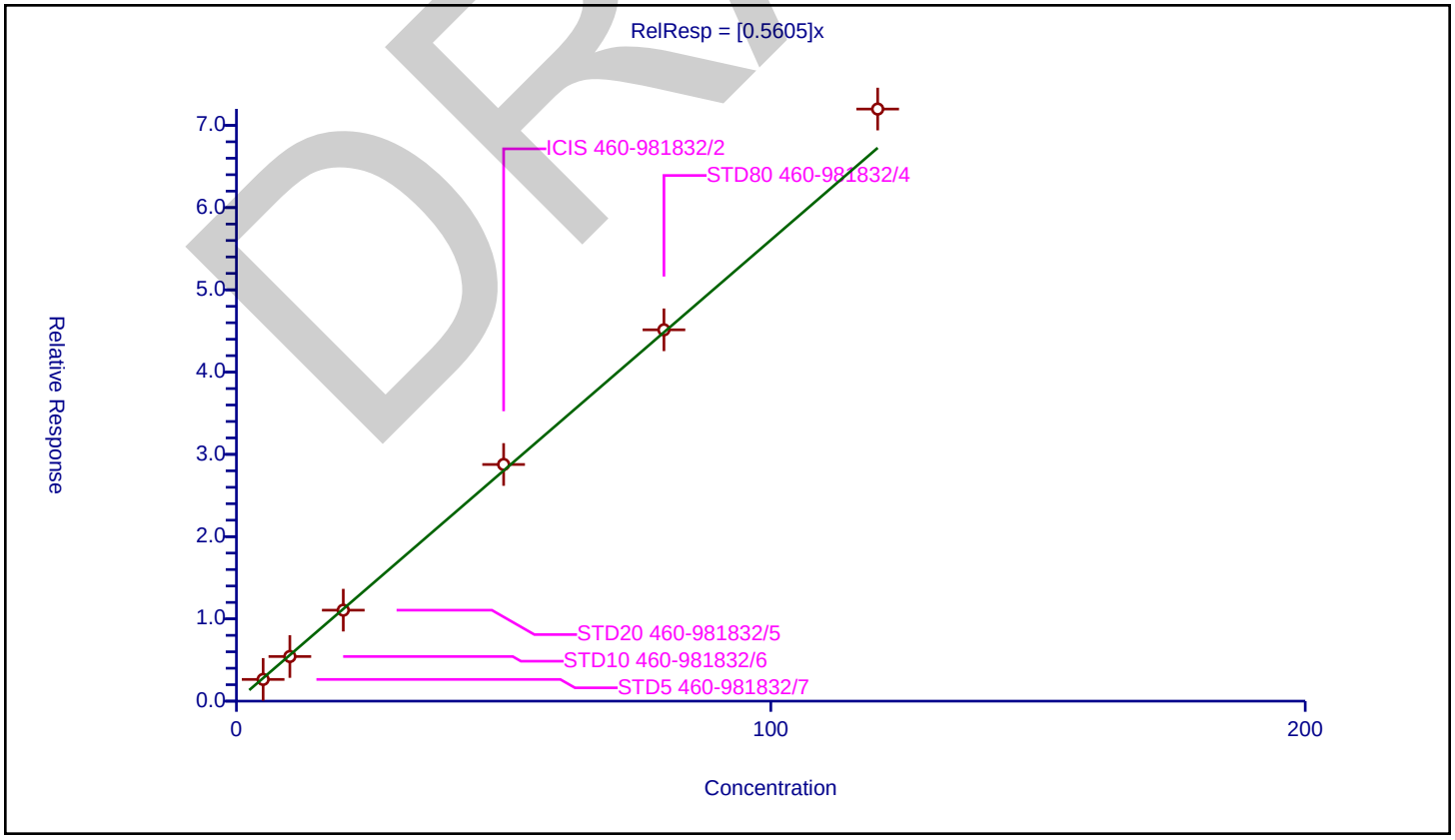
Curve Coefficients

Intercept:	0
Slope:	0.5605

Error Coefficients

Relative Standard Deviation:	4.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	2.640615	40.0	534330.0	0.528123	Y
2	STD10 460-981832/6	10.0	5.425491	40.0	543995.0	0.542549	Y
3	STD20 460-981832/5	20.0	11.057527	40.0	564846.0	0.552876	Y
4	ICIS 460-981832/2	50.0	28.771625	40.0	520346.0	0.575433	Y
5	STD80 460-981832/4	80.0	45.14419	40.0	552429.0	0.564302	Y
6	STD120 460-981832/3	120.0	71.982049	40.0	494241.0	0.59985	Y



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Calibration / 2-tertbutyl-4-methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

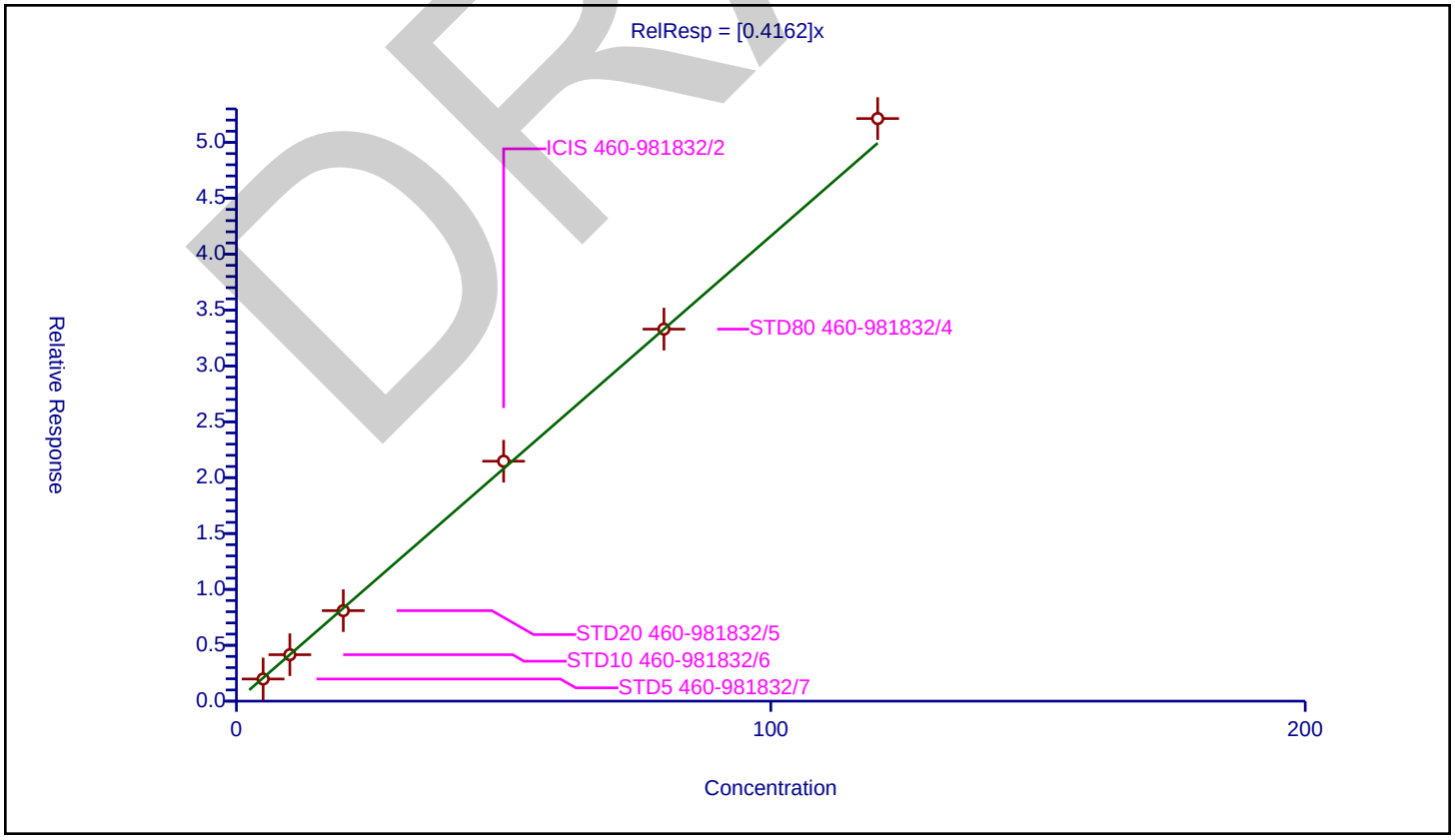
Curve Coefficients

Intercept:	0
Slope:	0.4162

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	1.982778	40.0	1031260.0	0.396556	Y
2	STD10 460-981832/6	10.0	4.154646	40.0	1044604.0	0.415465	Y
3	STD20 460-981832/5	20.0	8.097851	40.0	1088106.0	0.404893	Y
4	ICIS 460-981832/2	50.0	21.471915	40.0	983467.0	0.429438	Y
5	STD80 460-981832/4	80.0	33.291617	40.0	1080165.0	0.416145	Y
6	STD120 460-981832/3	120.0	52.135432	40.0	972890.0	0.434462	Y



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Calibration / 2,4,6-Trichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

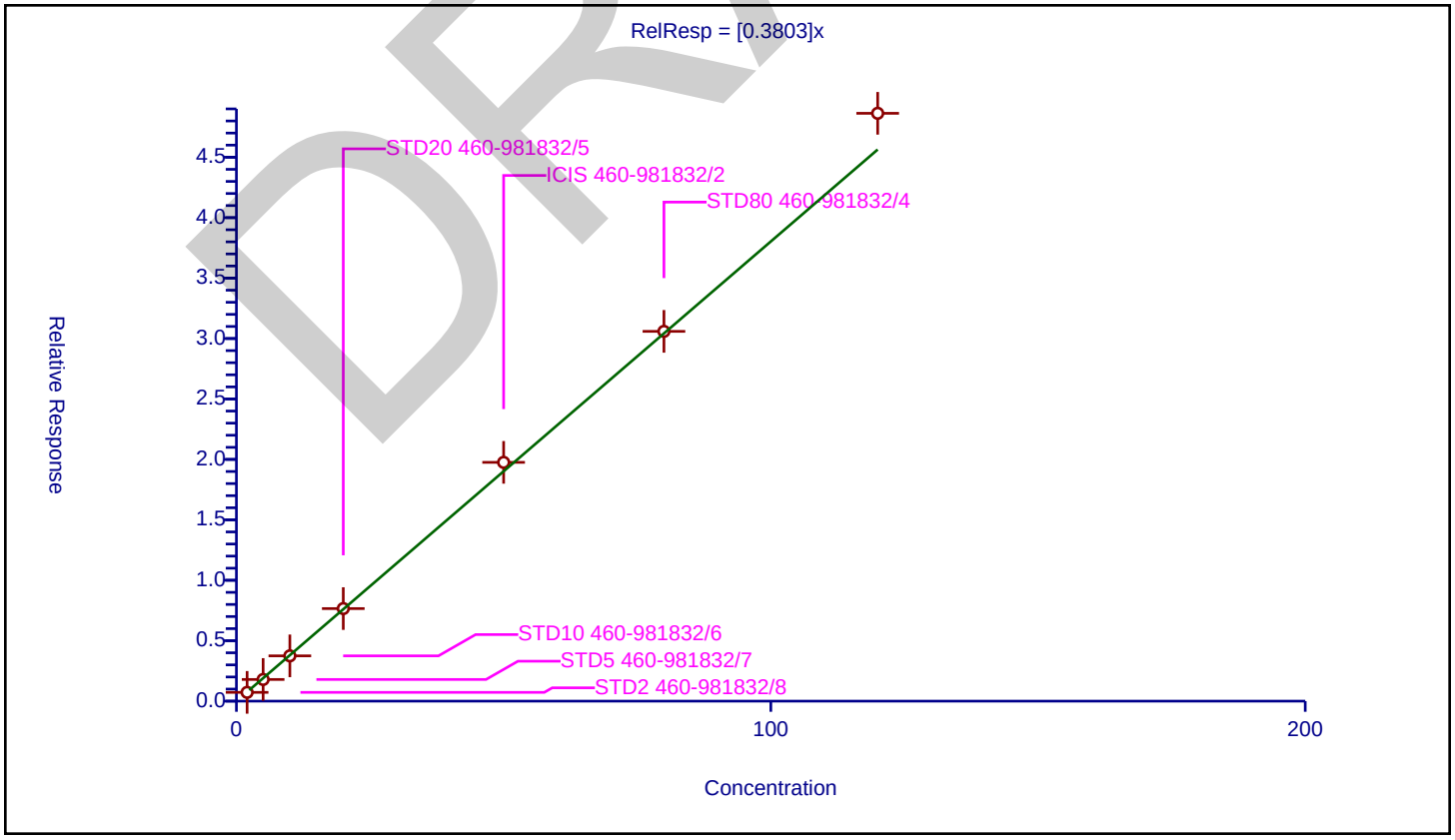
Curve Coefficients

Intercept:	0
Slope:	0.3803

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 460-981832/8	2.0	0.726585	40.0	551016.0	0.363293	Y
2	STD5 460-981832/7	5.0	1.791926	40.0	534330.0	0.358385	Y
3	STD10 460-981832/6	10.0	3.74702	40.0	543995.0	0.374702	Y
4	STD20 460-981832/5	20.0	7.658583	40.0	564846.0	0.382929	Y
5	ICIS 460-981832/2	50.0	19.755317	40.0	520346.0	0.395106	Y
6	STD80 460-981832/4	80.0	30.59347	40.0	552429.0	0.382418	Y
7	STD120 460-981832/3	120.0	48.635059	40.0	494241.0	0.405292	Y



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Calibration / 2,4,5-Trichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

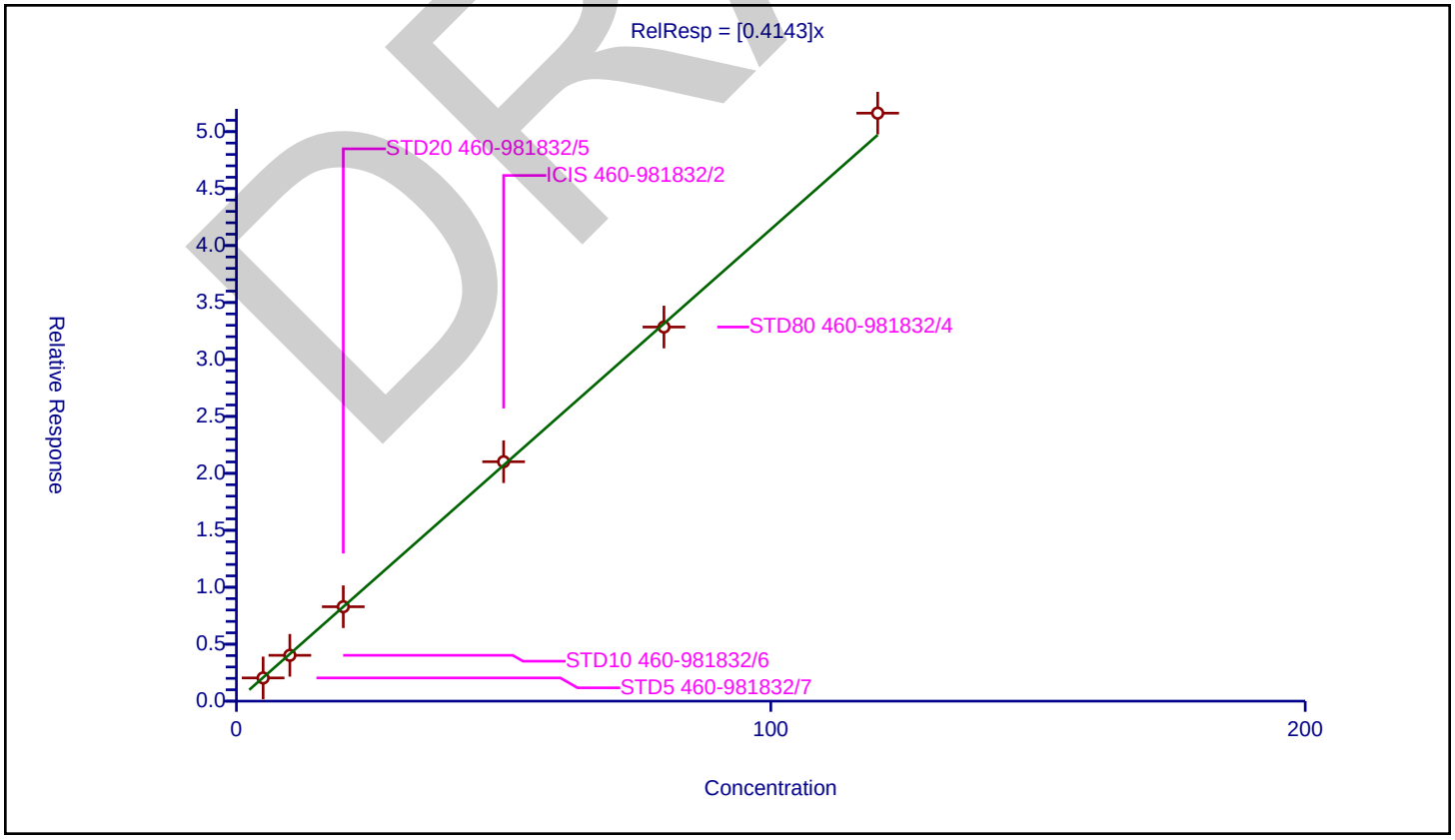
Curve Coefficients

Intercept:	0
Slope:	0.4143

Error Coefficients

Relative Standard Deviation:	2.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	2.037767	40.0	534330.0	0.407553	Y
2	STD10 460-981832/6	10.0	4.023713	40.0	543995.0	0.402371	Y
3	STD20 460-981832/5	20.0	8.289622	40.0	564846.0	0.414481	Y
4	ICIS 460-981832/2	50.0	21.021551	40.0	520346.0	0.420431	Y
5	STD80 460-981832/4	80.0	32.847298	40.0	552429.0	0.410591	Y
6	STD120 460-981832/3	120.0	51.626636	40.0	494241.0	0.430222	Y



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Calibration / 2-Fluorobiphenyl

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

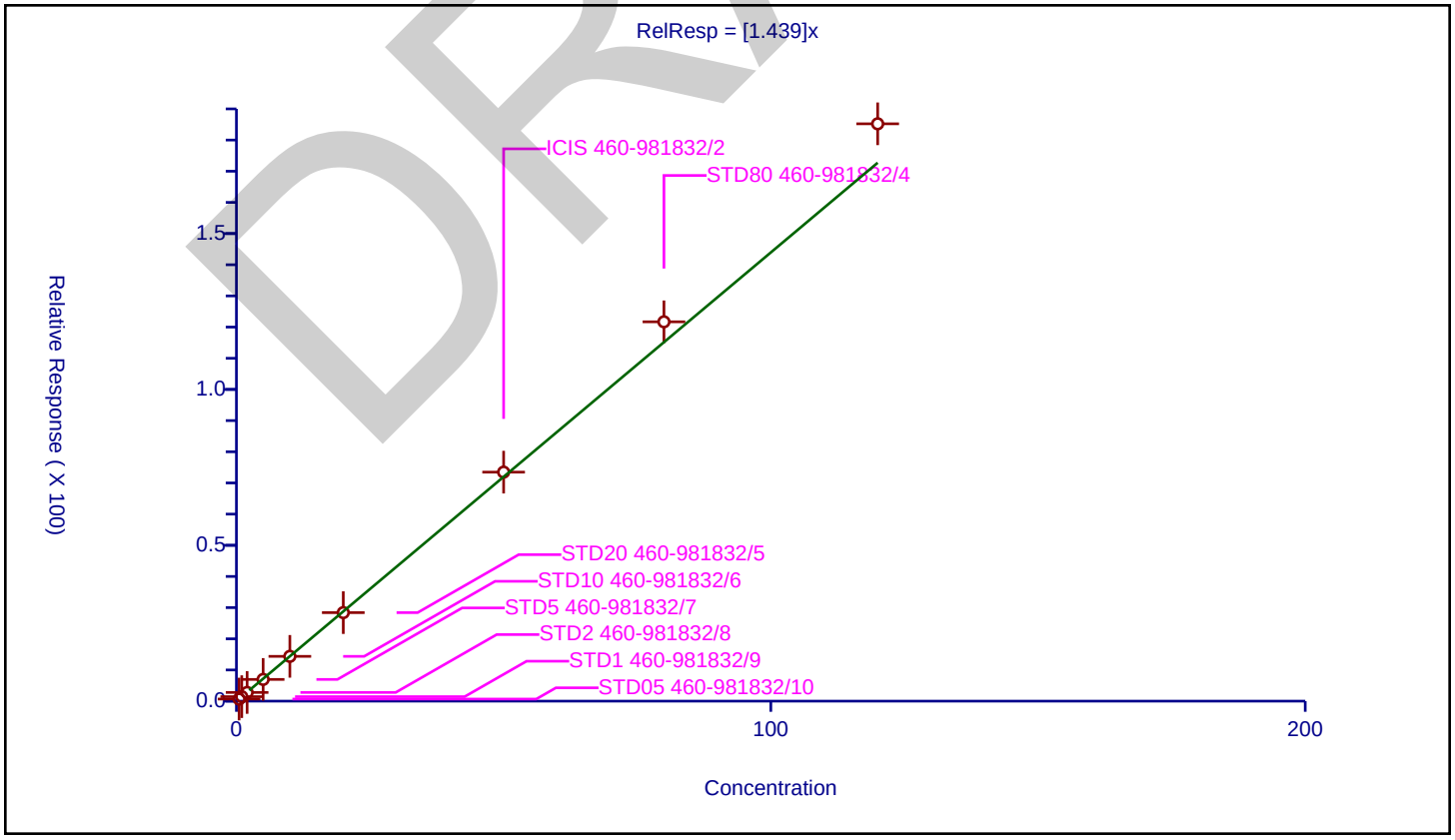
Curve Coefficients

Intercept:	0
Slope:	1.439

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD05 460-981832/10	0.5	0.670394	40.0	526675.0	1.340789	Y
2	STD1 460-981832/9	1.0	1.435602	40.0	523237.0	1.435602	Y
3	STD2 460-981832/8	2.0	2.787215	40.0	551016.0	1.393607	Y
4	STD5 460-981832/7	5.0	6.966556	40.0	534330.0	1.393311	Y
5	STD10 460-981832/6	10.0	14.370353	40.0	543995.0	1.437035	Y
6	STD20 460-981832/5	20.0	28.401299	40.0	564846.0	1.420065	Y
7	ICIS 460-981832/2	50.0	73.466655	40.0	520346.0	1.469333	Y
8	STD80 460-981832/4	80.0	121.692236	40.0	552429.0	1.521153	Y
9	STD120 460-981832/3	120.0	185.21094	40.0	494241.0	1.543424	Y



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Calibration / 1,1'-Biphenyl

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

Curve Coefficients

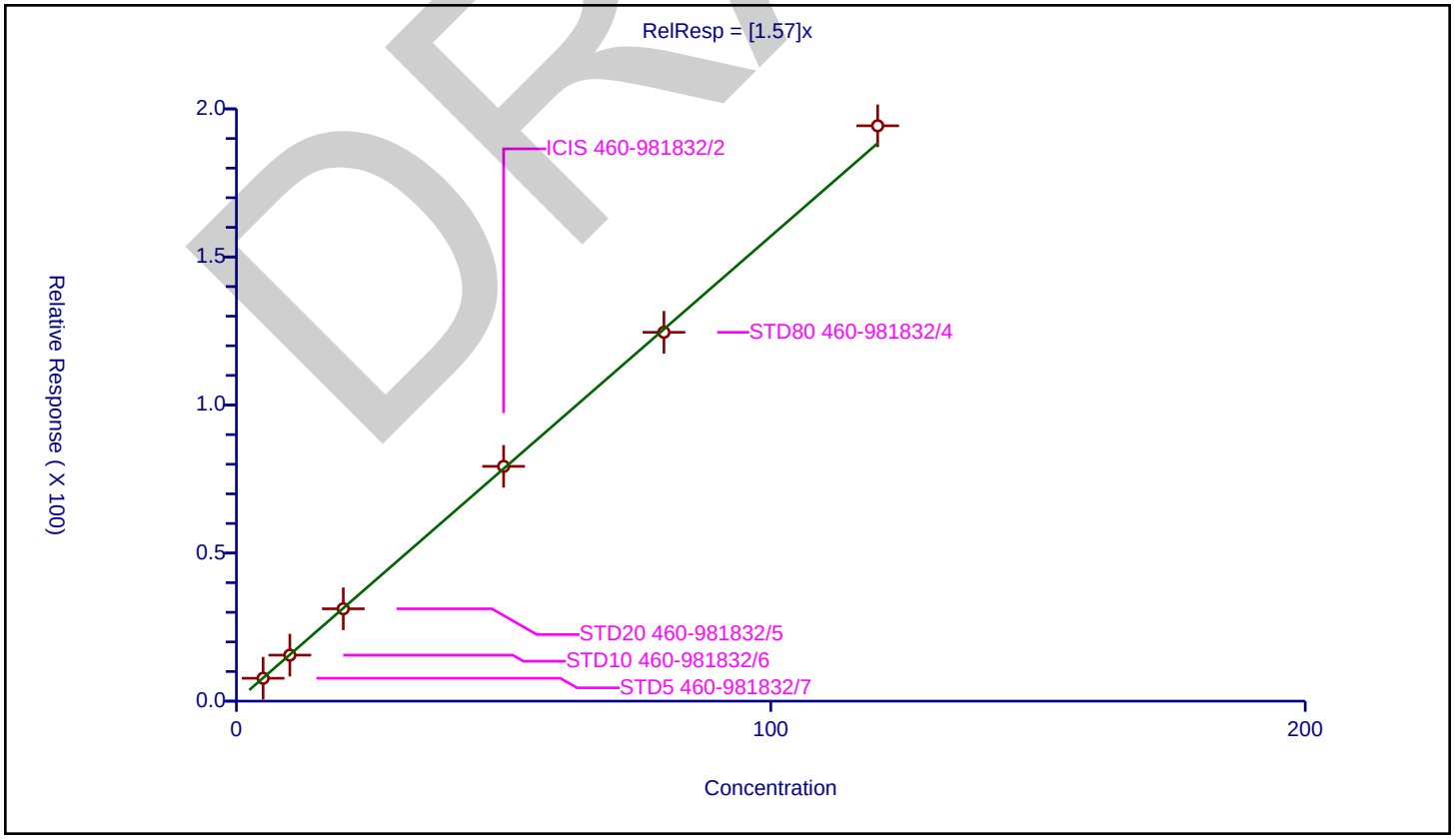
Intercept:	0
Slope:	1.57

Error Coefficients

Relative Standard Deviation:	1.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	7.727734	40.0	534330.0	1.545547	Y
2	STD10 460-981832/6	10.0	15.537202	40.0	543995.0	1.55372	Y
3	STD20 460-981832/5	20.0	31.19144	40.0	564846.0	1.559572	Y
4	ICIS 460-981832/2	50.0	79.292625	40.0	520346.0	1.585852	Y
5	STD80 460-981832/4	80.0	124.5553	40.0	552429.0	1.556941	Y
6	STD120 460-981832/3	120.0	194.290559	40.0	494241.0	1.619088	Y

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Calibration / 2-Chloronaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

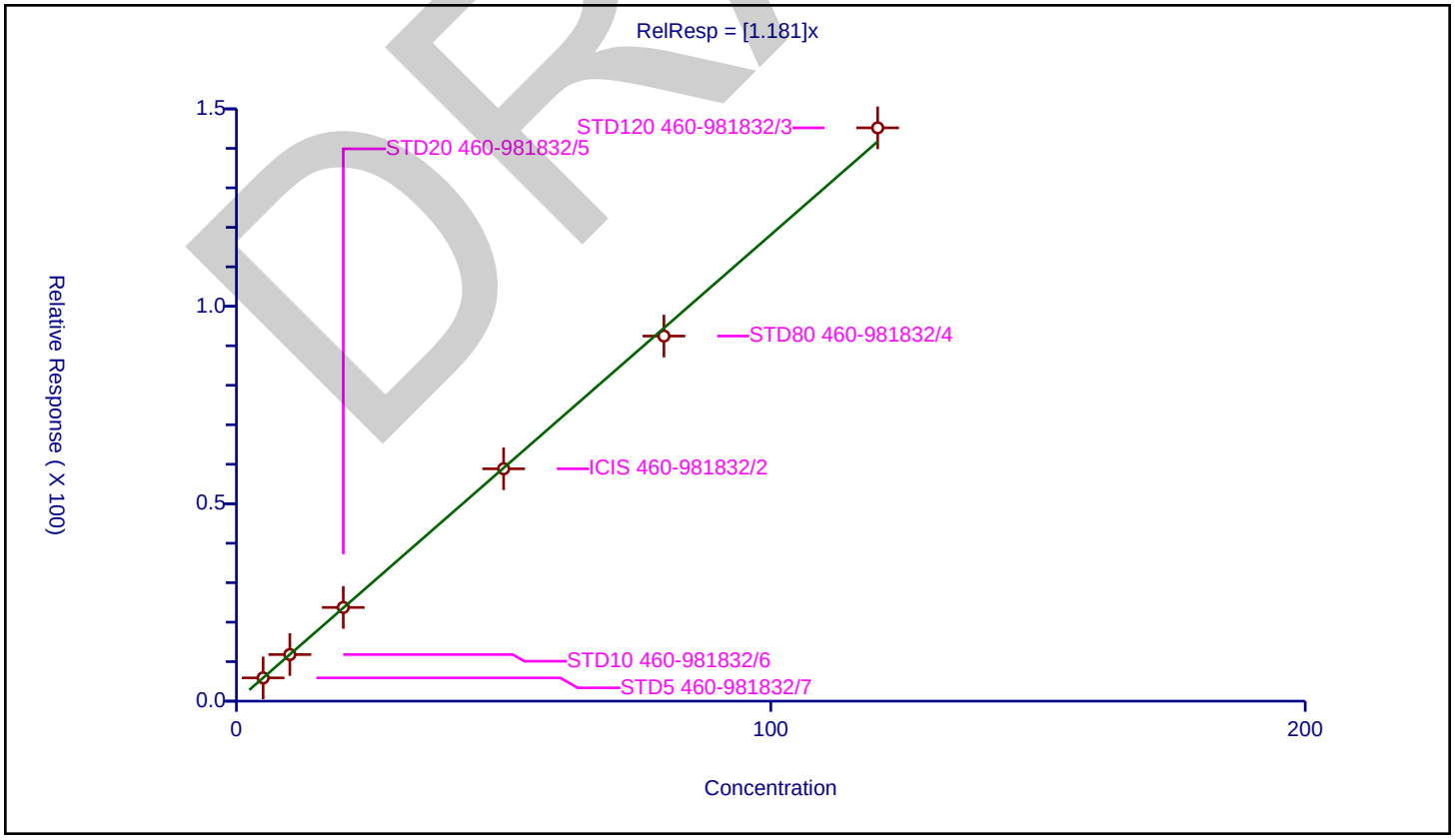
Curve Coefficients

Intercept:	0
Slope:	1.181

Error Coefficients

Relative Standard Deviation:	1.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	5.888271	40.0	534330.0	1.177654	Y
2	STD10 460-981832/6	10.0	11.8043	40.0	543995.0	1.18043	Y
3	STD20 460-981832/5	20.0	23.727317	40.0	564846.0	1.186366	Y
4	ICIS 460-981832/2	50.0	58.852763	40.0	520346.0	1.177055	Y
5	STD80 460-981832/4	80.0	92.46553	40.0	552429.0	1.155819	Y
6	STD120 460-981832/3	120.0	145.197181	40.0	494241.0	1.209977	Y



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Calibration / Phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

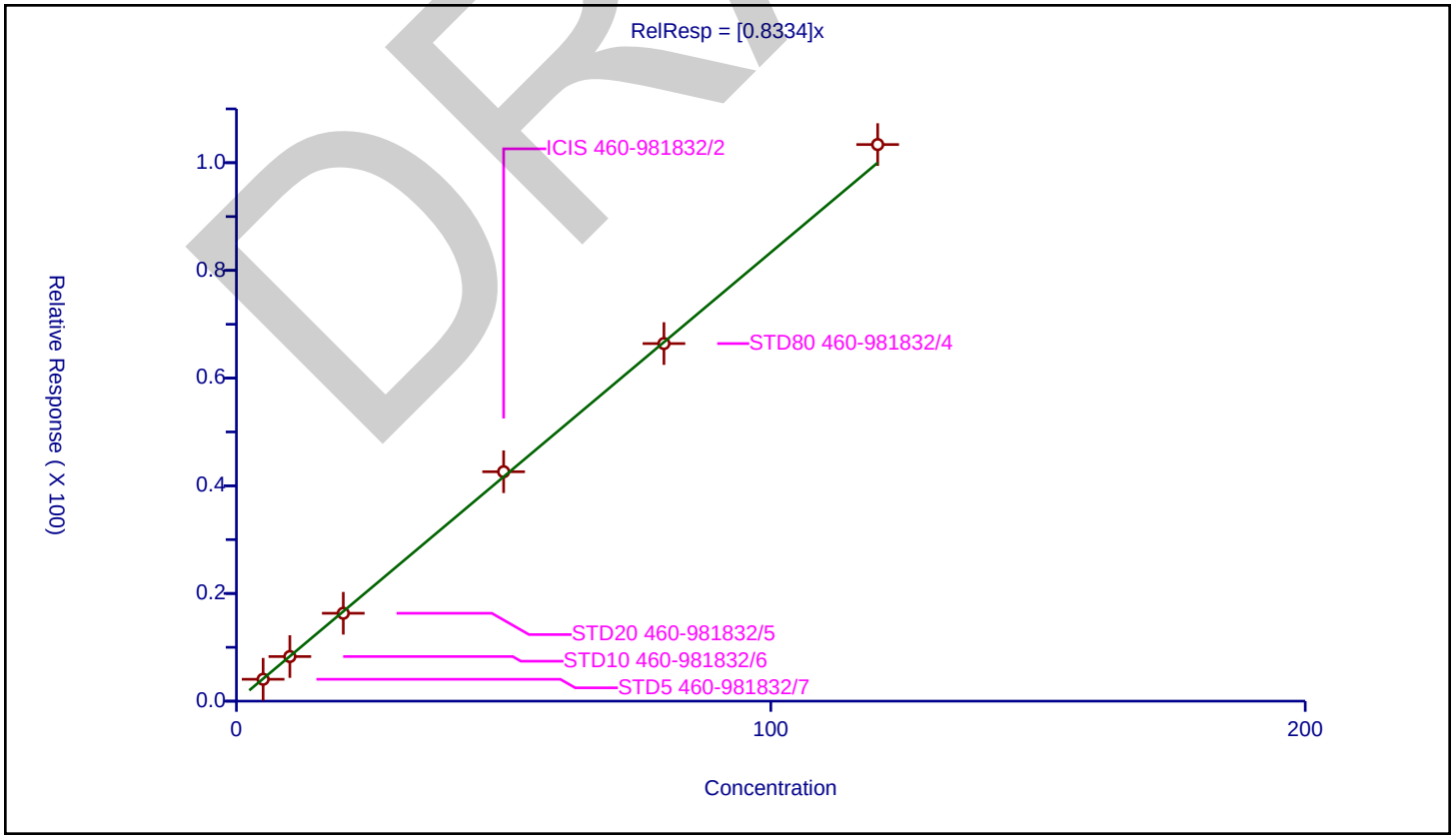
Curve Coefficients

Intercept:	0
Slope:	0.8334

Error Coefficients

Relative Standard Deviation:	2.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	4.062433	40.0	534330.0	0.812487	Y
2	STD10 460-981832/6	10.0	8.281694	40.0	543995.0	0.828169	Y
3	STD20 460-981832/5	20.0	16.320059	40.0	564846.0	0.816003	Y
4	ICIS 460-981832/2	50.0	42.610494	40.0	520346.0	0.85221	Y
5	STD80 460-981832/4	80.0	66.411503	40.0	552429.0	0.830144	Y
6	STD120 460-981832/3	120.0	103.375802	40.0	494241.0	0.861465	Y



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Calibration / 2-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

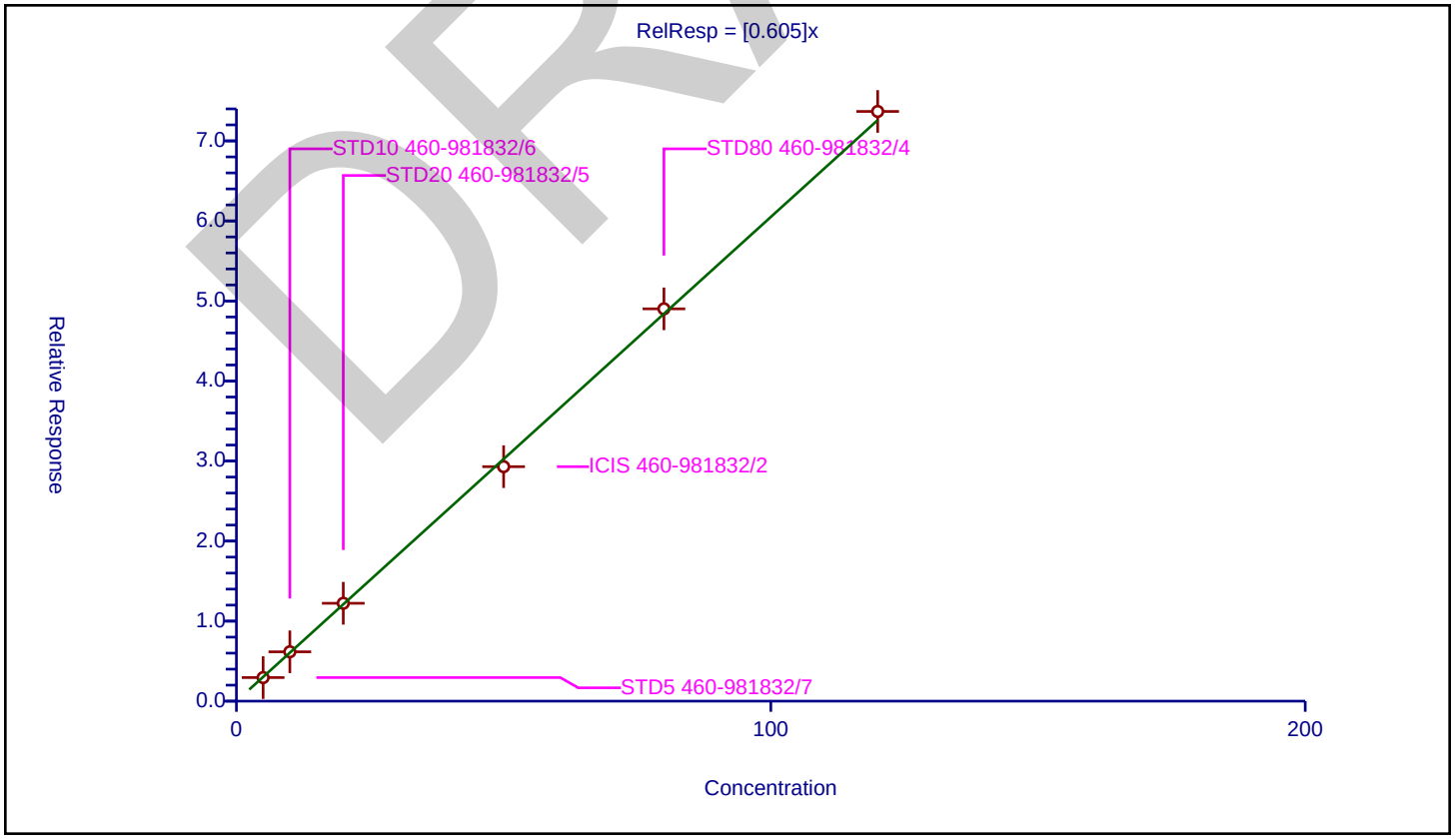
Curve Coefficients

Intercept:	0
Slope:	0.605

Error Coefficients

Relative Standard Deviation:	2.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	2.945146	40.0	534330.0	0.589029	Y
2	STD10 460-981832/6	10.0	6.166527	40.0	543995.0	0.616653	Y
3	STD20 460-981832/5	20.0	12.229316	40.0	564846.0	0.611466	Y
4	ICIS 460-981832/2	50.0	29.297045	40.0	520346.0	0.585941	Y
5	STD80 460-981832/4	80.0	49.016688	40.0	552429.0	0.612709	Y
6	STD120 460-981832/3	120.0	73.679197	40.0	494241.0	0.613993	Y



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Calibration / 1,3-Dimethylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

Curve Coefficients

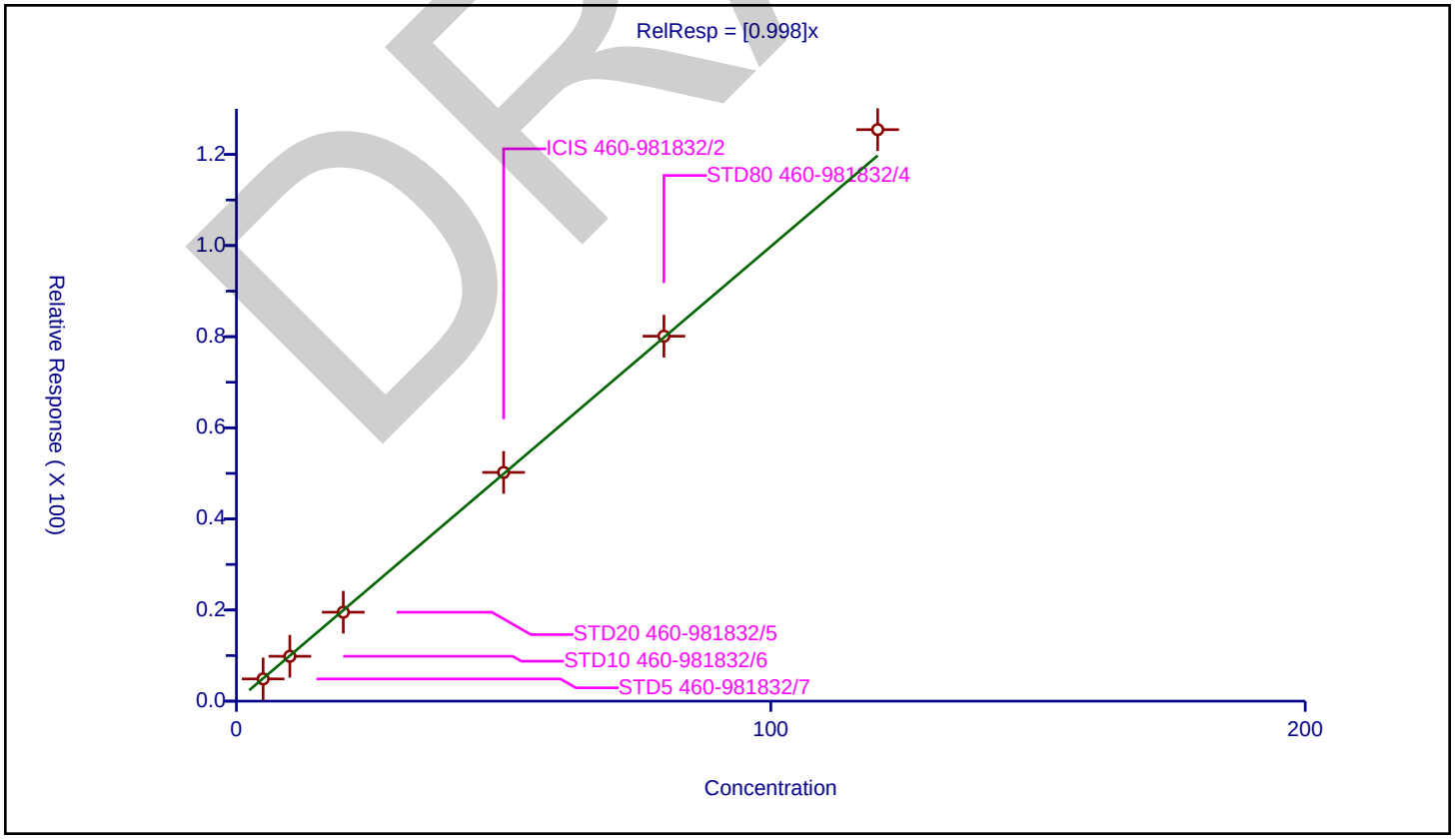
Intercept:	0
Slope:	0.998

Error Coefficients

Relative Standard Deviation:	2.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	4.881178	40.0	534330.0	0.976236	Y
2	STD10 460-981832/6	10.0	9.846855	40.0	543995.0	0.984686	Y
3	STD20 460-981832/5	20.0	19.521569	40.0	564846.0	0.976078	Y
4	ICIS 460-981832/2	50.0	50.212128	40.0	520346.0	1.004243	Y
5	STD80 460-981832/4	80.0	80.110566	40.0	552429.0	1.001382	Y
6	STD120 460-981832/3	120.0	125.443822	40.0	494241.0	1.045365	Y

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Calibration / Dimethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

Curve Coefficients

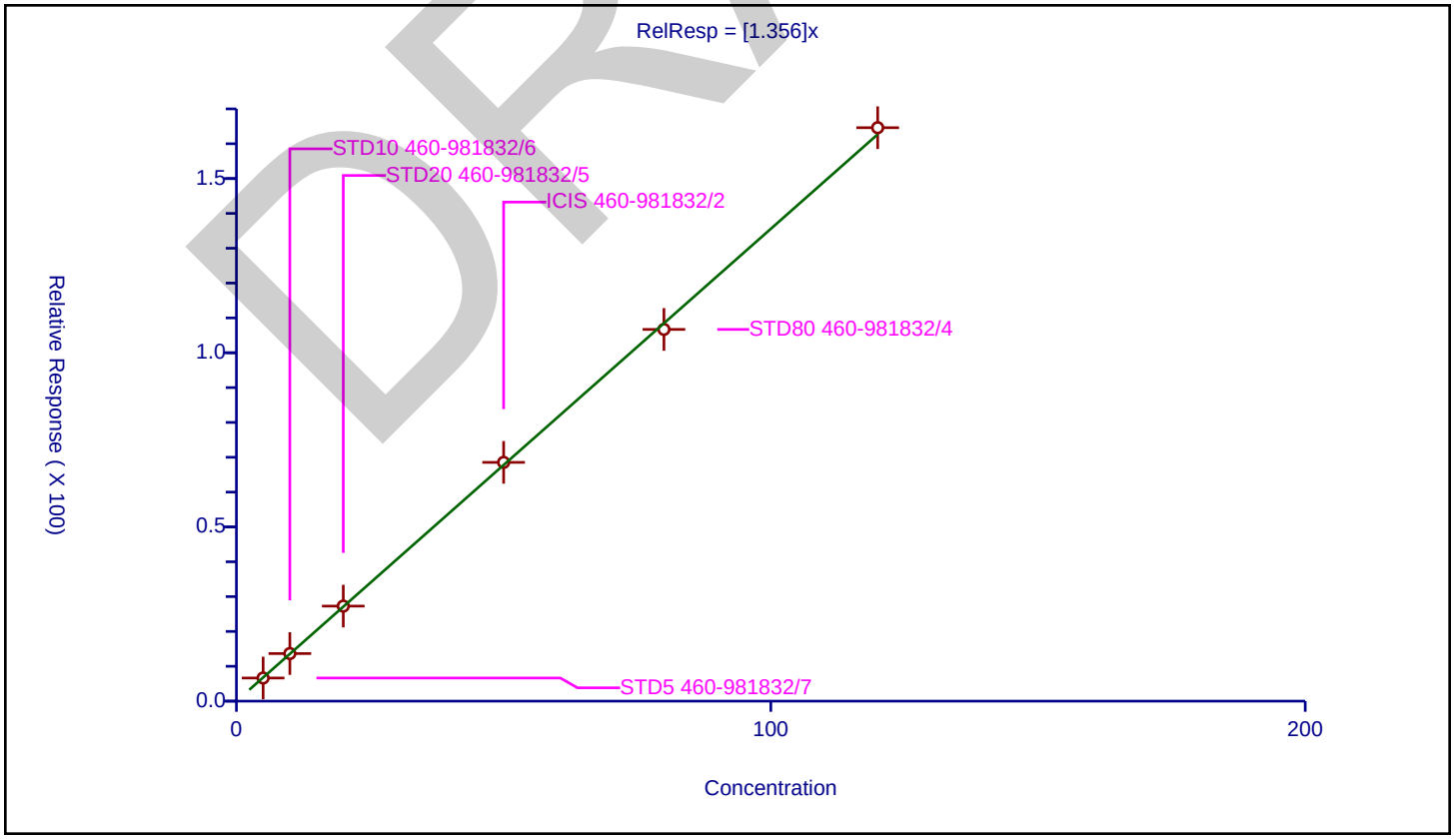
Intercept:	0
Slope:	1.356

Error Coefficients

Relative Standard Deviation:	1.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	6.641663	40.0	534330.0	1.328333	Y
2	STD10 460-981832/6	10.0	13.656523	40.0	543995.0	1.365652	Y
3	STD20 460-981832/5	20.0	27.283897	40.0	564846.0	1.364195	Y
4	ICIS 460-981832/2	50.0	68.533015	40.0	520346.0	1.37066	Y
5	STD80 460-981832/4	80.0	106.699684	40.0	552429.0	1.333746	Y
6	STD120 460-981832/3	120.0	164.601723	40.0	494241.0	1.371681	Y

DRAFT



Calibration / Coumarin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

Curve Coefficients

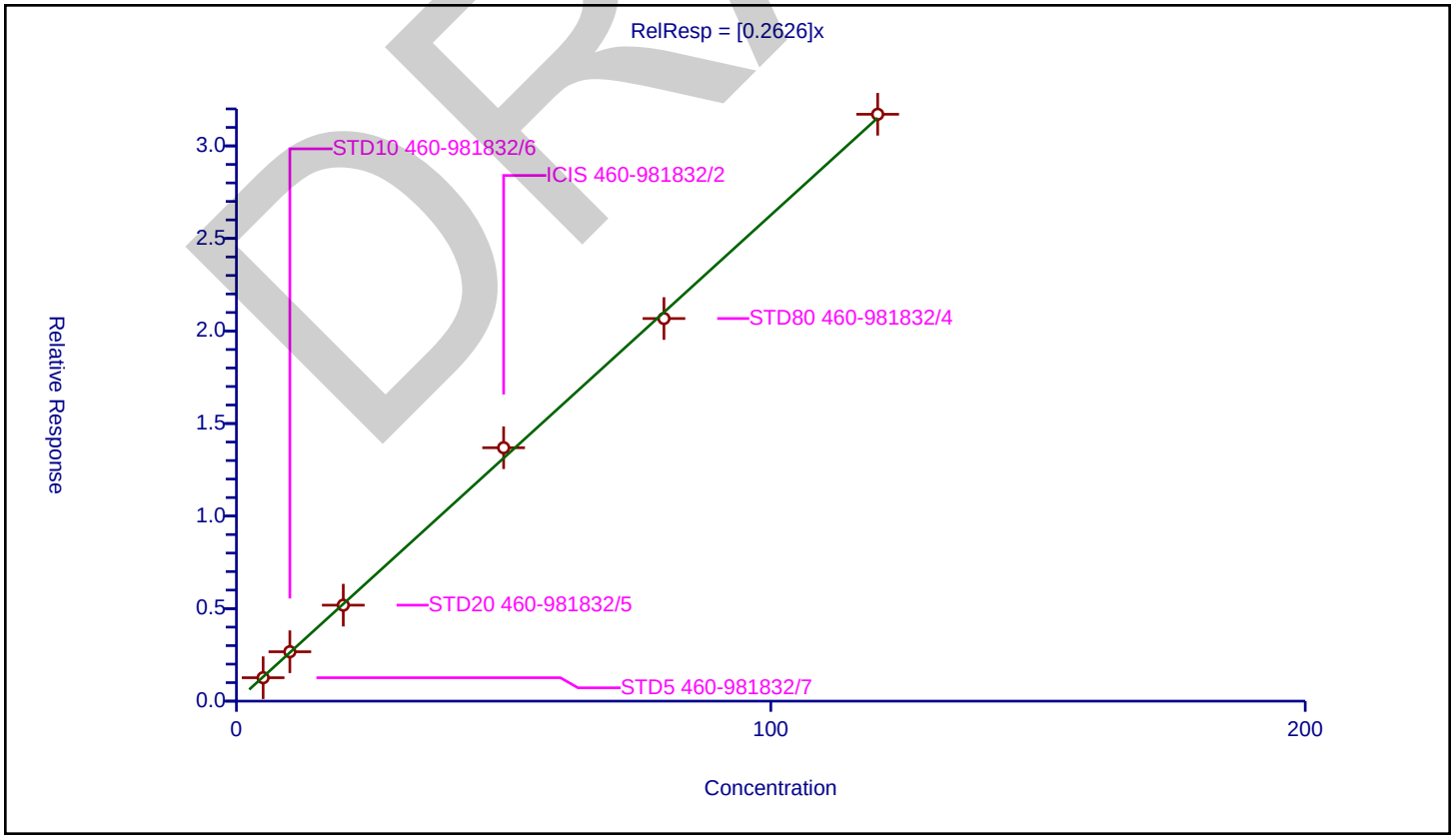
Intercept:	0
Slope:	0.2626

Error Coefficients

Relative Standard Deviation:	2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	1.265132	40.0	1031260.0	0.253026	Y
2	STD10 460-981832/6	10.0	2.669299	40.0	1044604.0	0.26693	Y
3	STD20 460-981832/5	20.0	5.18512	40.0	1088106.0	0.259256	Y
4	ICIS 460-981832/2	50.0	13.6914	40.0	983467.0	0.273828	Y
5	STD80 460-981832/4	80.0	20.673434	40.0	1080165.0	0.258418	Y
6	STD120 460-981832/3	120.0	31.709279	40.0	972890.0	0.264244	Y

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Calibration / 2,6-Dinitrotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

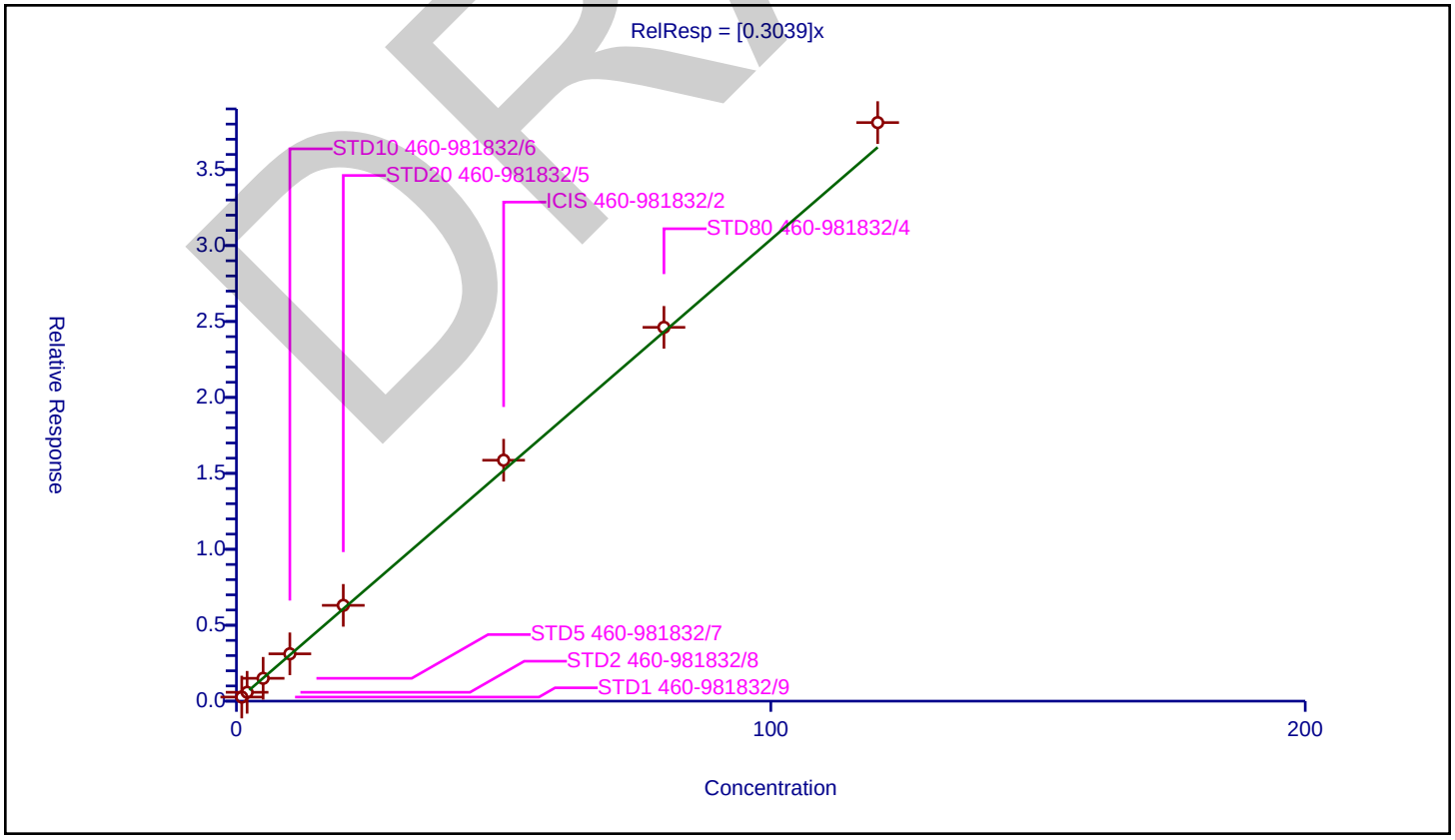
Curve Coefficients

Intercept:	0
Slope:	0.3039

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-981832/9	1.0	0.269935	40.0	523237.0	0.269935	Y
2	STD2 460-981832/8	2.0	0.583068	40.0	551016.0	0.291534	Y
3	STD5 460-981832/7	5.0	1.503341	40.0	534330.0	0.300668	Y
4	STD10 460-981832/6	10.0	3.115029	40.0	543995.0	0.311503	Y
5	STD20 460-981832/5	20.0	6.307843	40.0	564846.0	0.315392	Y
6	ICIS 460-981832/2	50.0	15.864982	40.0	520346.0	0.3173	Y
7	STD80 460-981832/4	80.0	24.615435	40.0	552429.0	0.307693	Y
8	STD120 460-981832/3	120.0	38.097932	40.0	494241.0	0.317483	Y



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Calibration / Acenaphthylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

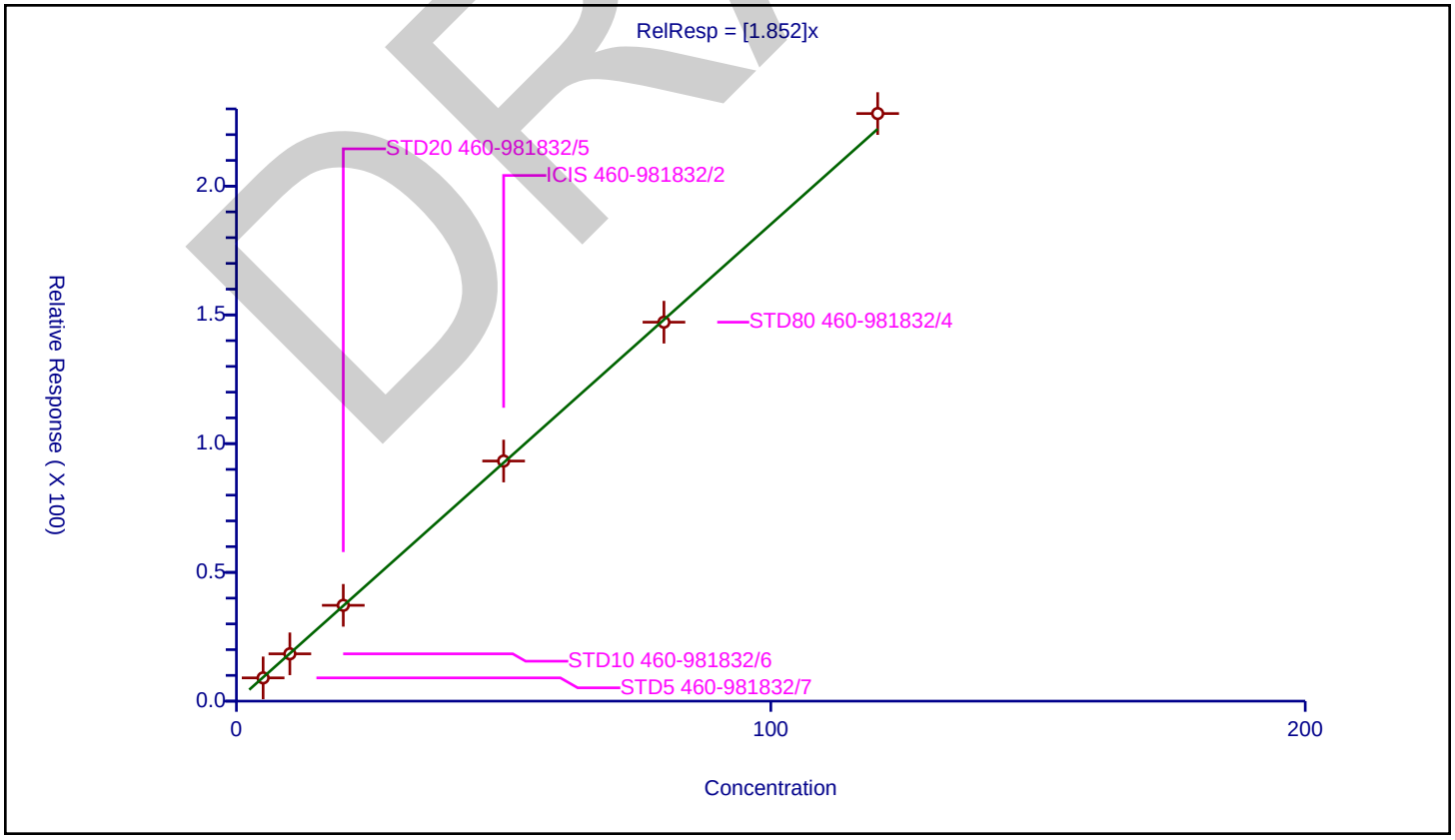
Curve Coefficients

Intercept:	0
Slope:	1.852

Error Coefficients

Relative Standard Deviation:	1.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	9.030973	40.0	534330.0	1.806195	Y
2	STD10 460-981832/6	10.0	18.373551	40.0	543995.0	1.837355	Y
3	STD20 460-981832/5	20.0	37.214391	40.0	564846.0	1.86072	Y
4	ICIS 460-981832/2	50.0	93.252567	40.0	520346.0	1.865051	Y
5	STD80 460-981832/4	80.0	147.168957	40.0	552429.0	1.839612	Y
6	STD120 460-981832/3	120.0	228.189567	40.0	494241.0	1.90158	Y



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Calibration / 3-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

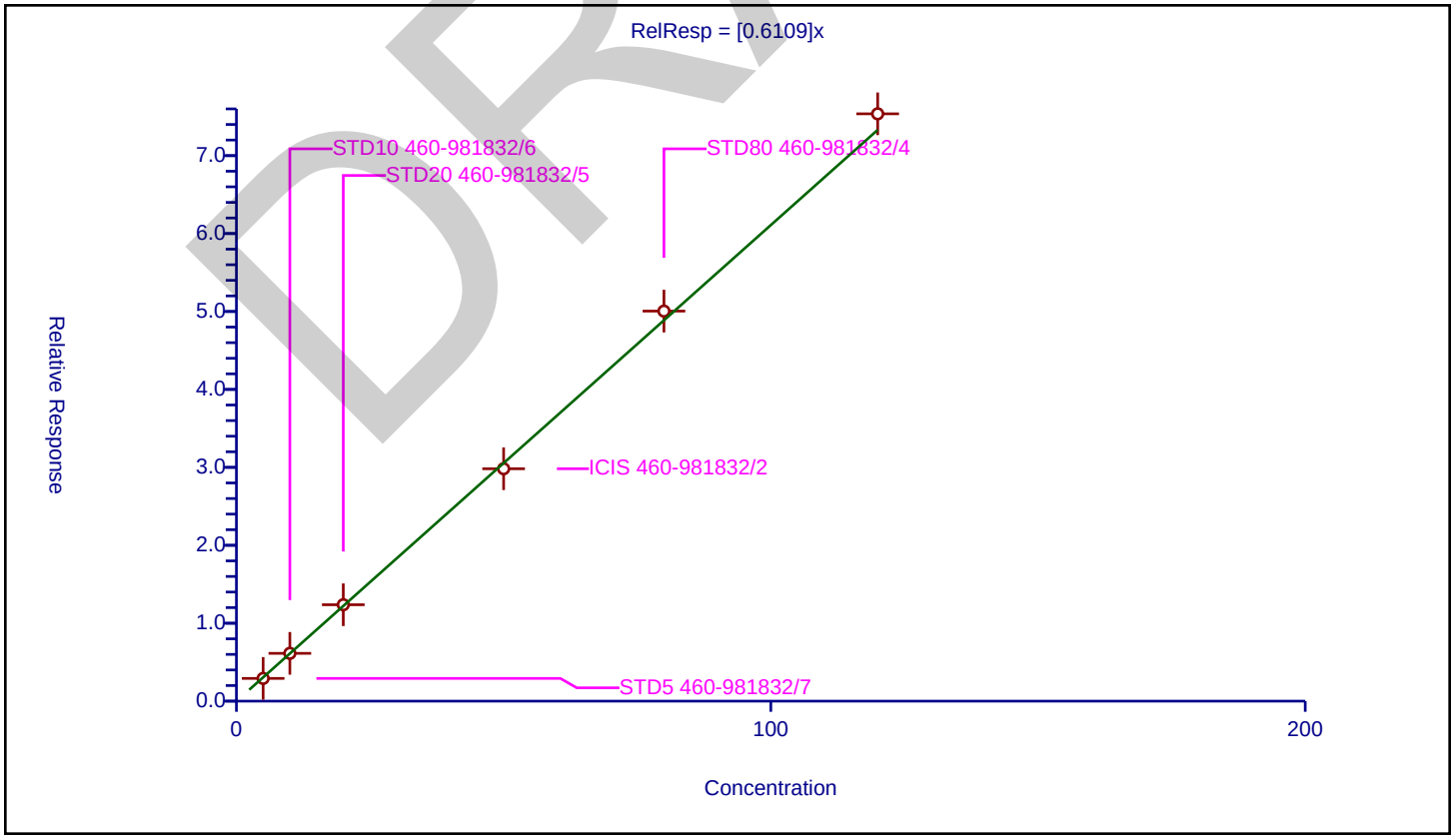
Curve Coefficients

Intercept:	0
Slope:	0.6109

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	2.916325	40.0	534330.0	0.583265	Y
2	STD10 460-981832/6	10.0	6.133071	40.0	543995.0	0.613307	Y
3	STD20 460-981832/5	20.0	12.369814	40.0	564846.0	0.618491	Y
4	ICIS 460-981832/2	50.0	29.822772	40.0	520346.0	0.596455	Y
5	STD80 460-981832/4	80.0	50.052115	40.0	552429.0	0.625651	Y
6	STD120 460-981832/3	120.0	75.367442	40.0	494241.0	0.628062	Y



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Calibration / Acenaphthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

Curve Coefficients

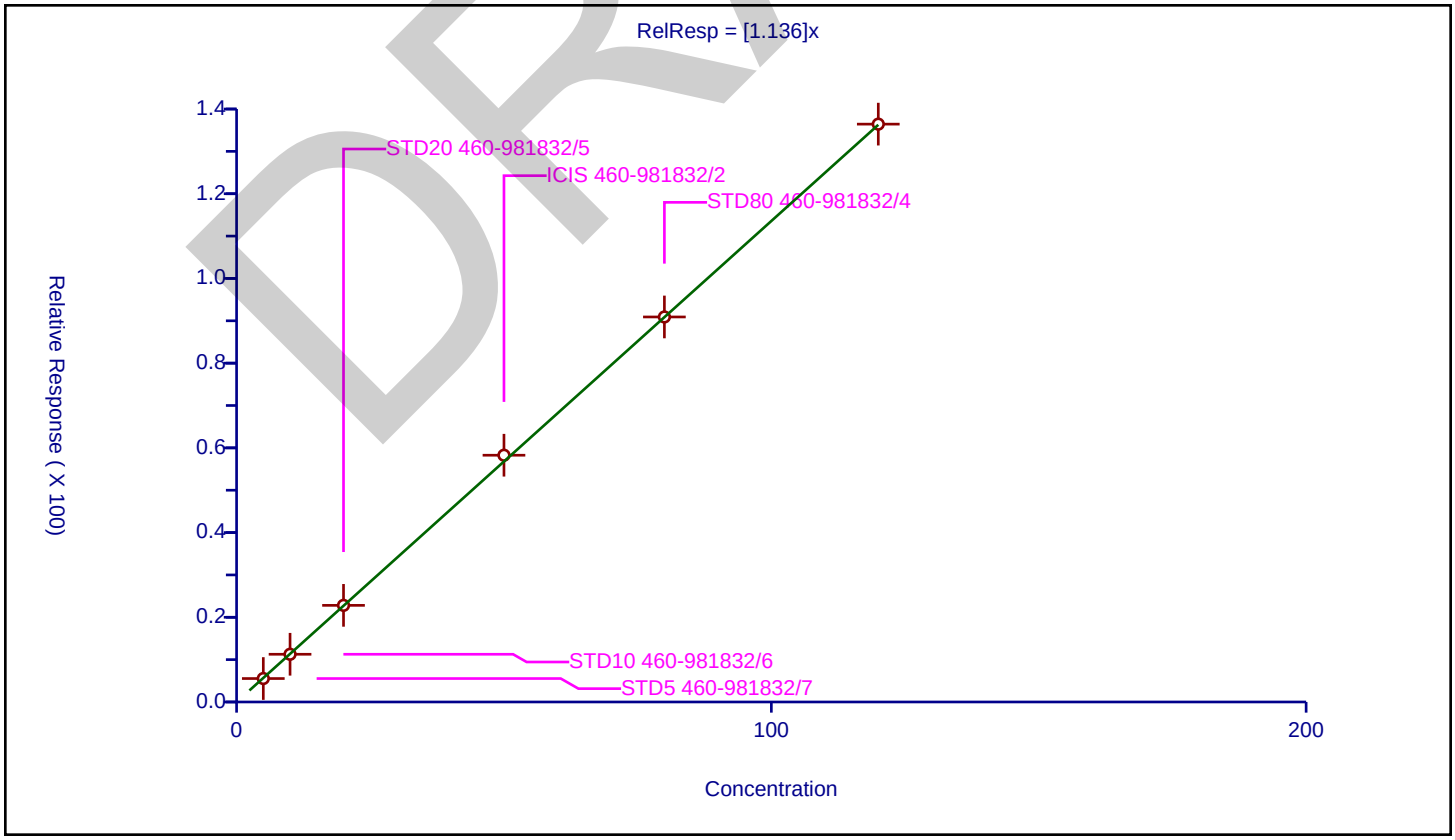
Intercept:	0
Slope:	1.136

Error Coefficients

Relative Standard Deviation:	1.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	5.539199	40.0	534330.0	1.10784	Y
2	STD10 460-981832/6	10.0	11.267457	40.0	543995.0	1.126746	Y
3	STD20 460-981832/5	20.0	22.810961	40.0	564846.0	1.140548	Y
4	ICIS 460-981832/2	50.0	58.262387	40.0	520346.0	1.165248	Y
5	STD80 460-981832/4	80.0	90.9037	40.0	552429.0	1.136296	Y
6	STD120 460-981832/3	120.0	136.431093	40.0	494241.0	1.136926	Y

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Calibration / 3,5-di-tert-butyl-4-hydroxytol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

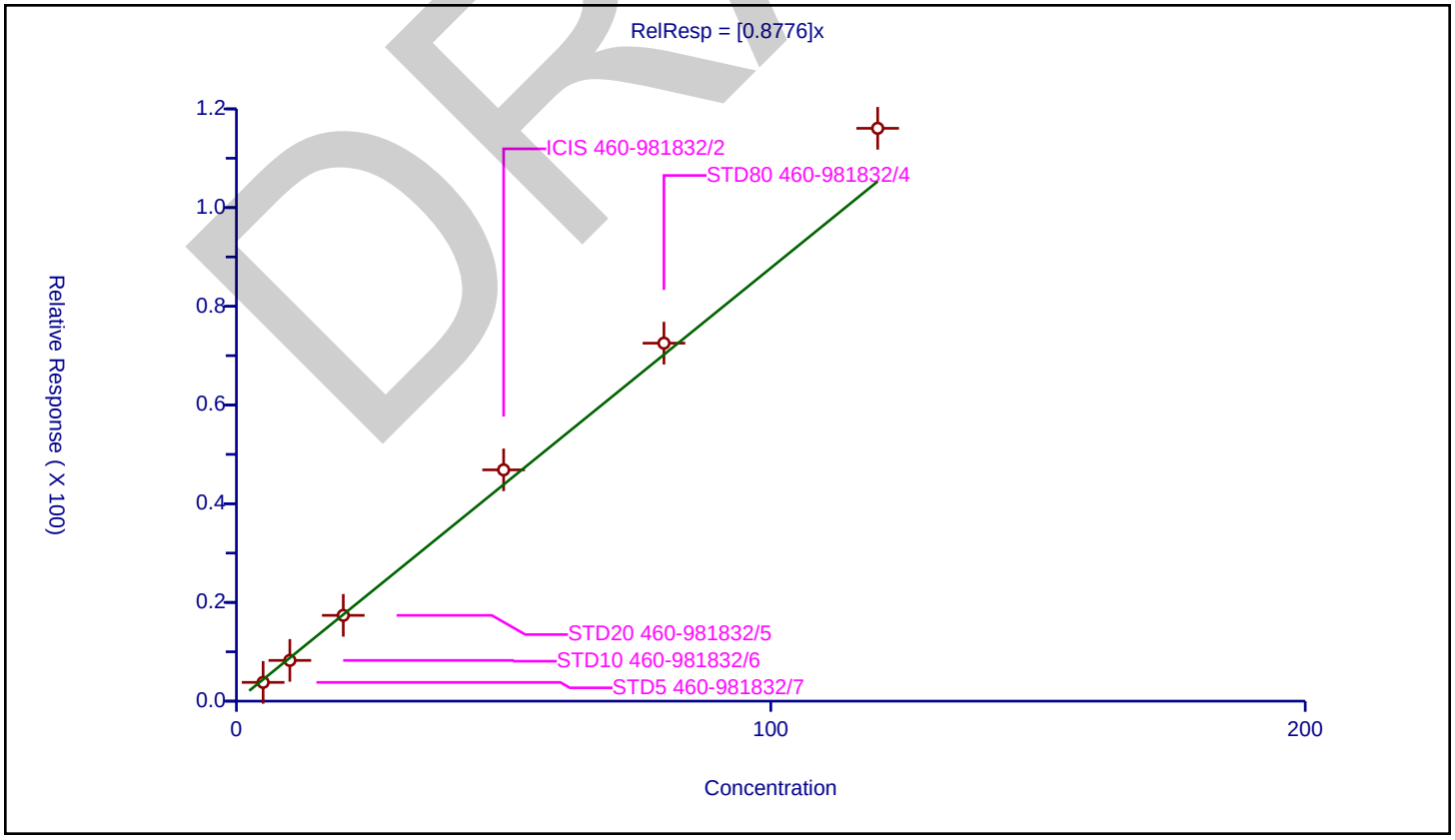
Curve Coefficients

Intercept:	0
Slope:	0.8776

Error Coefficients

Relative Standard Deviation:	8.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	3.800498	40.0	534330.0	0.7601	Y
2	STD10 460-981832/6	10.0	8.255885	40.0	543995.0	0.825588	Y
3	STD20 460-981832/5	20.0	17.377905	40.0	564846.0	0.868895	Y
4	ICIS 460-981832/2	50.0	46.858206	40.0	520346.0	0.937164	Y
5	STD80 460-981832/4	80.0	72.530732	40.0	552429.0	0.906634	Y
6	STD120 460-981832/3	120.0	116.067182	40.0	494241.0	0.967227	Y



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Calibration / 2,4-Dinitrophenol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

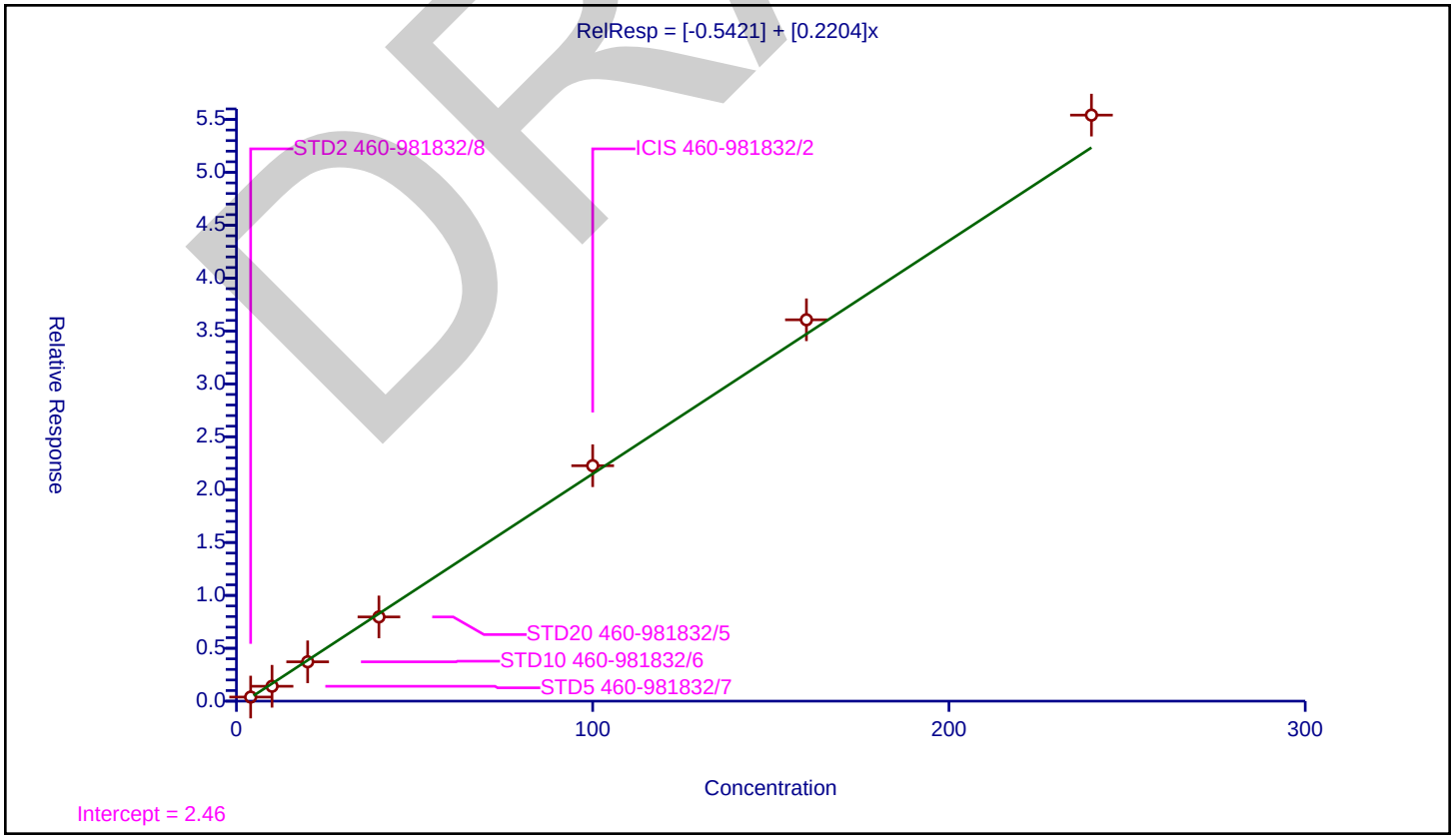
Curve Coefficients

Intercept:	-0.5421
Slope:	0.2204

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 460-981832/8	4.0	0.386196	40.0	551016.0	0.096549	Y
2	STD5 460-981832/7	10.0	1.406247	40.0	534330.0	0.140625	Y
3	STD10 460-981832/6	20.0	3.718196	40.0	543995.0	0.18591	Y
4	STD20 460-981832/5	40.0	7.962878	40.0	564846.0	0.199072	Y
5	ICIS 460-981832/2	100.0	22.261495	40.0	520346.0	0.222615	Y
6	STD80 460-981832/4	160.0	36.060091	40.0	552429.0	0.225376	Y
7	STD120 460-981832/3	240.0	55.413047	40.0	494241.0	0.230888	Y



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Calibration / 4-Nitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

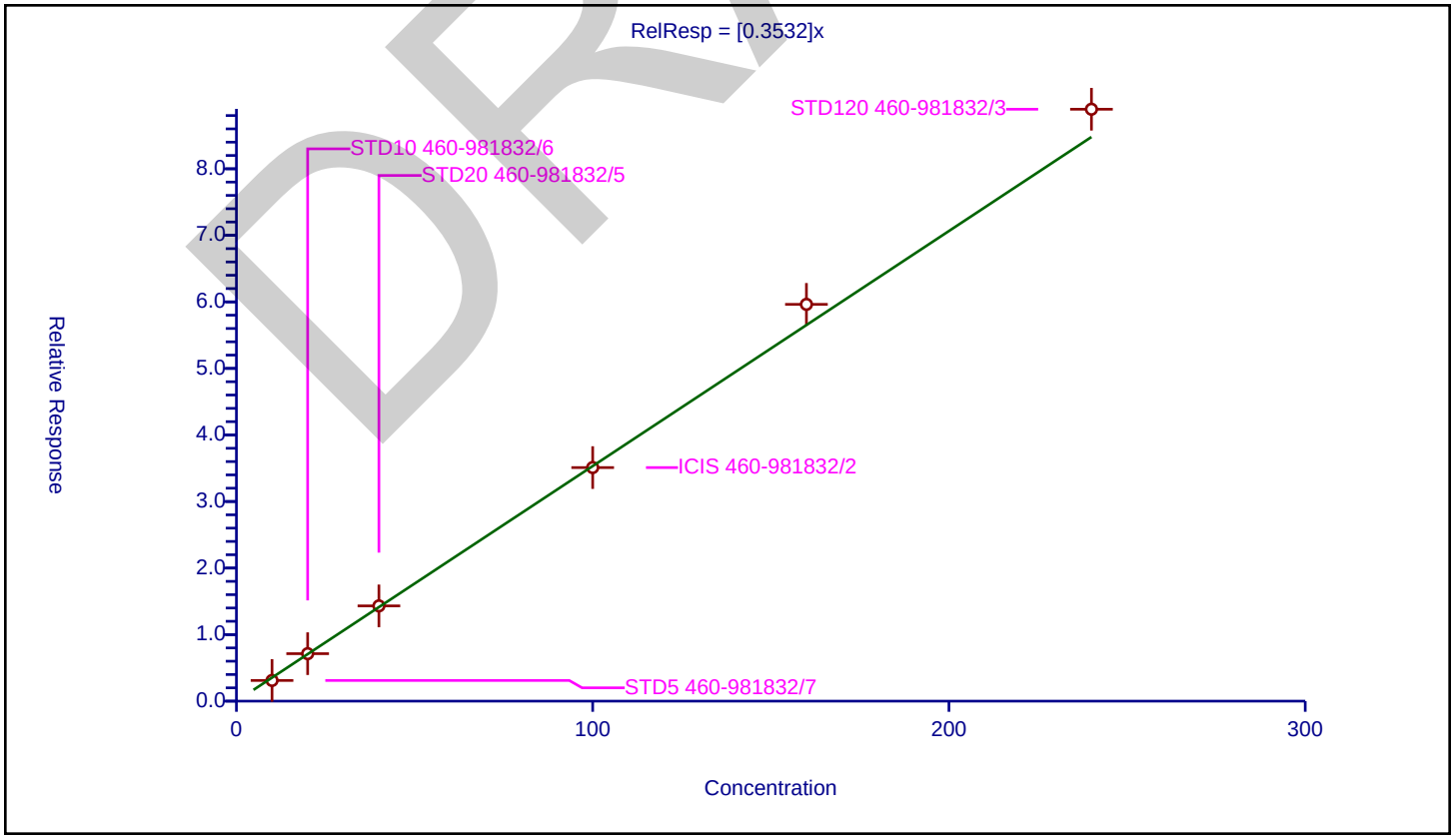
Curve Coefficients

Intercept:	0
Slope:	0.3532

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	10.0	3.106395	40.0	534330.0	0.310639	Y
2	STD10 460-981832/6	20.0	7.133448	40.0	543995.0	0.356672	Y
3	STD20 460-981832/5	40.0	14.314061	40.0	564846.0	0.357852	Y
4	ICIS 460-981832/2	100.0	35.099261	40.0	520346.0	0.350993	Y
5	STD80 460-981832/4	160.0	59.624386	40.0	552429.0	0.372652	Y
6	STD120 460-981832/3	240.0	88.947538	40.0	494241.0	0.370615	Y



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Calibration / 2,4-Dinitrotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

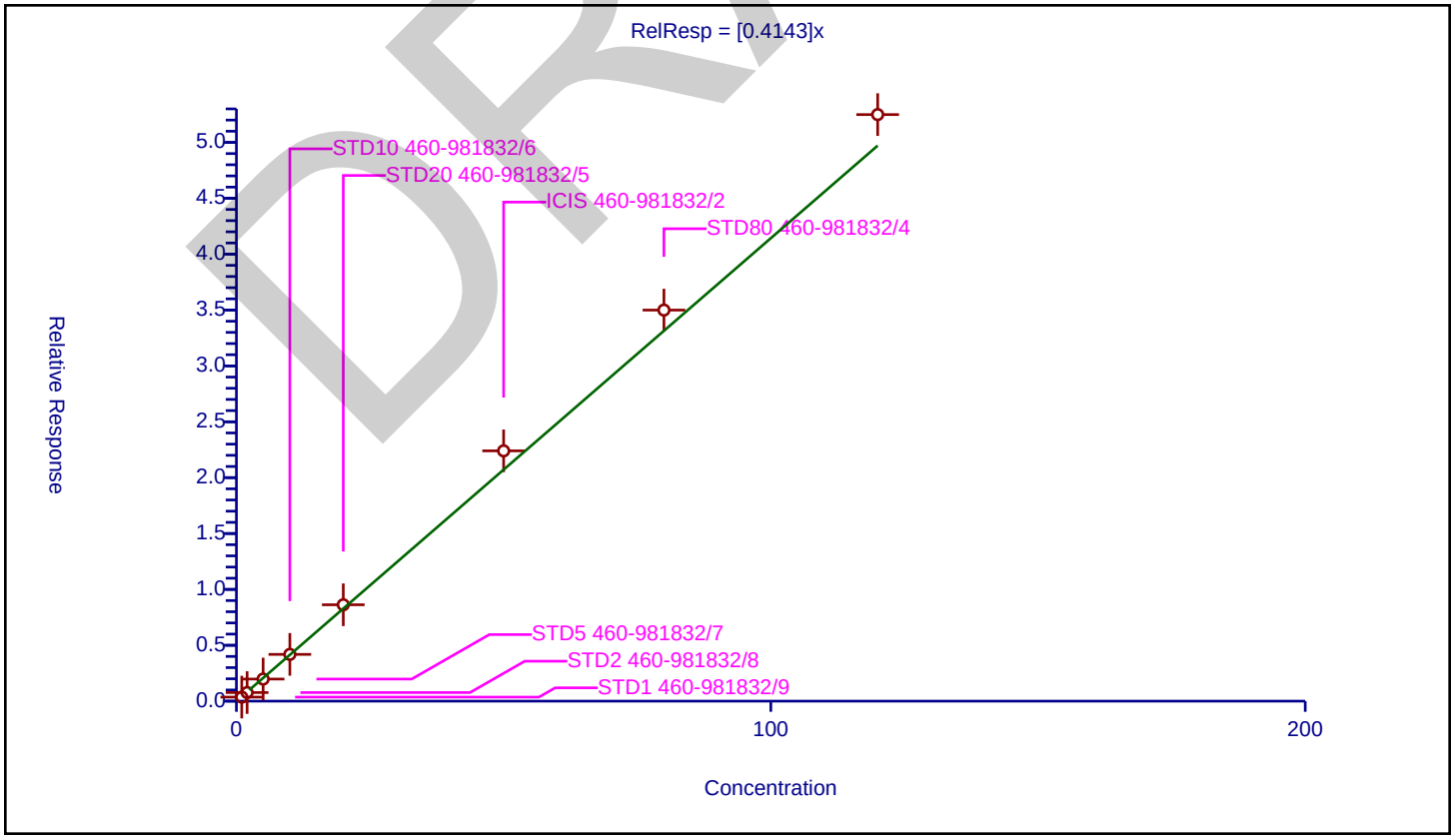
Curve Coefficients

Intercept:	0
Slope:	0.4143

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-981832/9	1.0	0.362054	40.0	523237.0	0.362054	Y
2	STD2 460-981832/8	2.0	0.768544	40.0	551016.0	0.384272	Y
3	STD5 460-981832/7	5.0	1.977205	40.0	534330.0	0.395441	Y
4	STD10 460-981832/6	10.0	4.184009	40.0	543995.0	0.418401	Y
5	STD20 460-981832/5	20.0	8.624227	40.0	564846.0	0.431211	Y
6	ICIS 460-981832/2	50.0	22.398174	40.0	520346.0	0.447963	Y
7	STD80 460-981832/4	80.0	34.994542	40.0	552429.0	0.437432	Y
8	STD120 460-981832/3	120.0	52.489454	40.0	494241.0	0.437412	Y



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Calibration / Dibenzofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

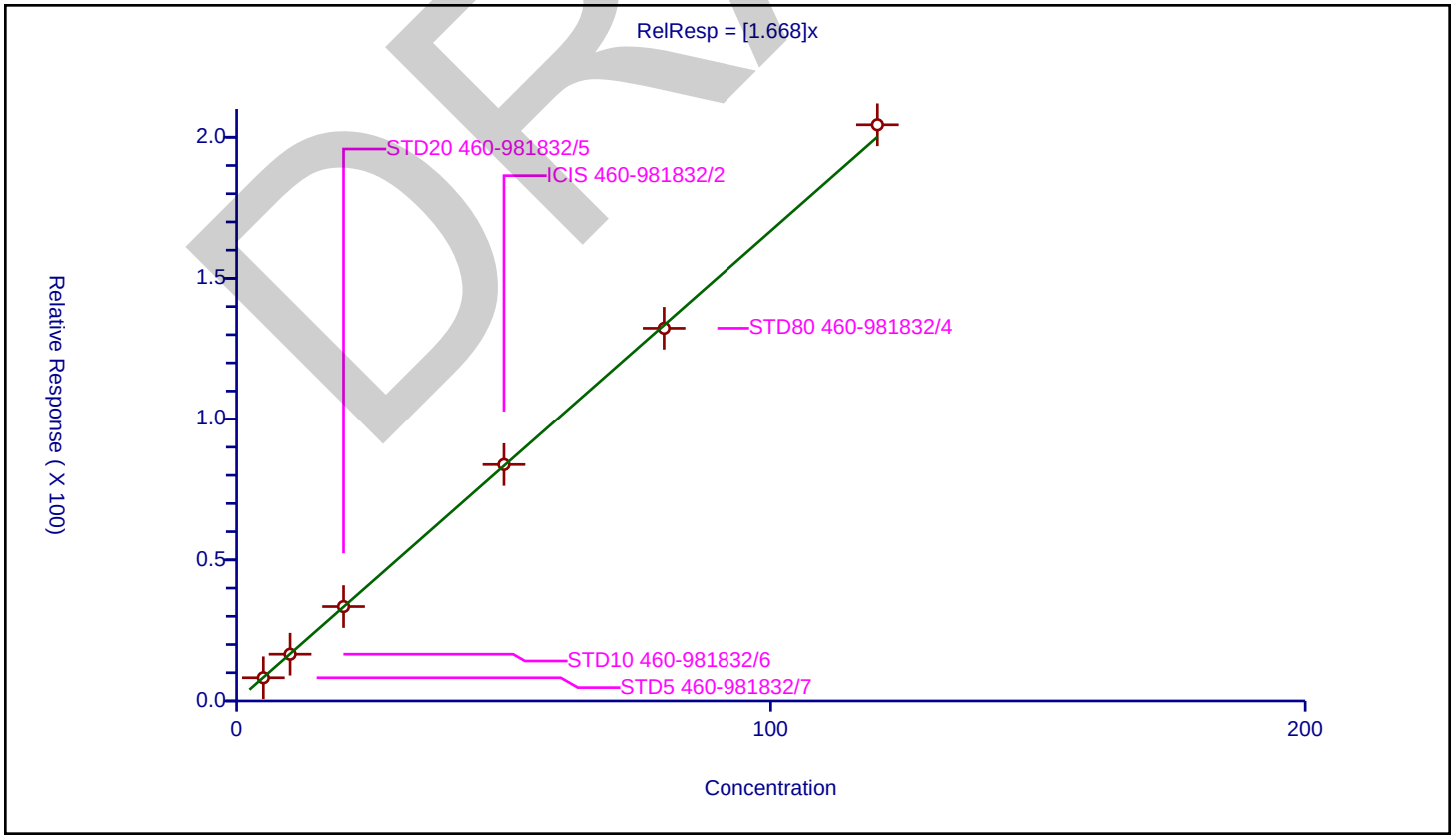
Curve Coefficients

Intercept:	0
Slope:	1.668

Error Coefficients

Relative Standard Deviation:	1.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	8.218966	40.0	534330.0	1.643793	Y
2	STD10 460-981832/6	10.0	16.568535	40.0	543995.0	1.656853	Y
3	STD20 460-981832/5	20.0	33.453437	40.0	564846.0	1.672672	Y
4	ICIS 460-981832/2	50.0	83.825916	40.0	520346.0	1.676518	Y
5	STD80 460-981832/4	80.0	132.298775	40.0	552429.0	1.653735	Y
6	STD120 460-981832/3	120.0	204.405867	40.0	494241.0	1.703382	Y



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Calibration / 2,3,4,6-Tetrachlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

Curve Coefficients

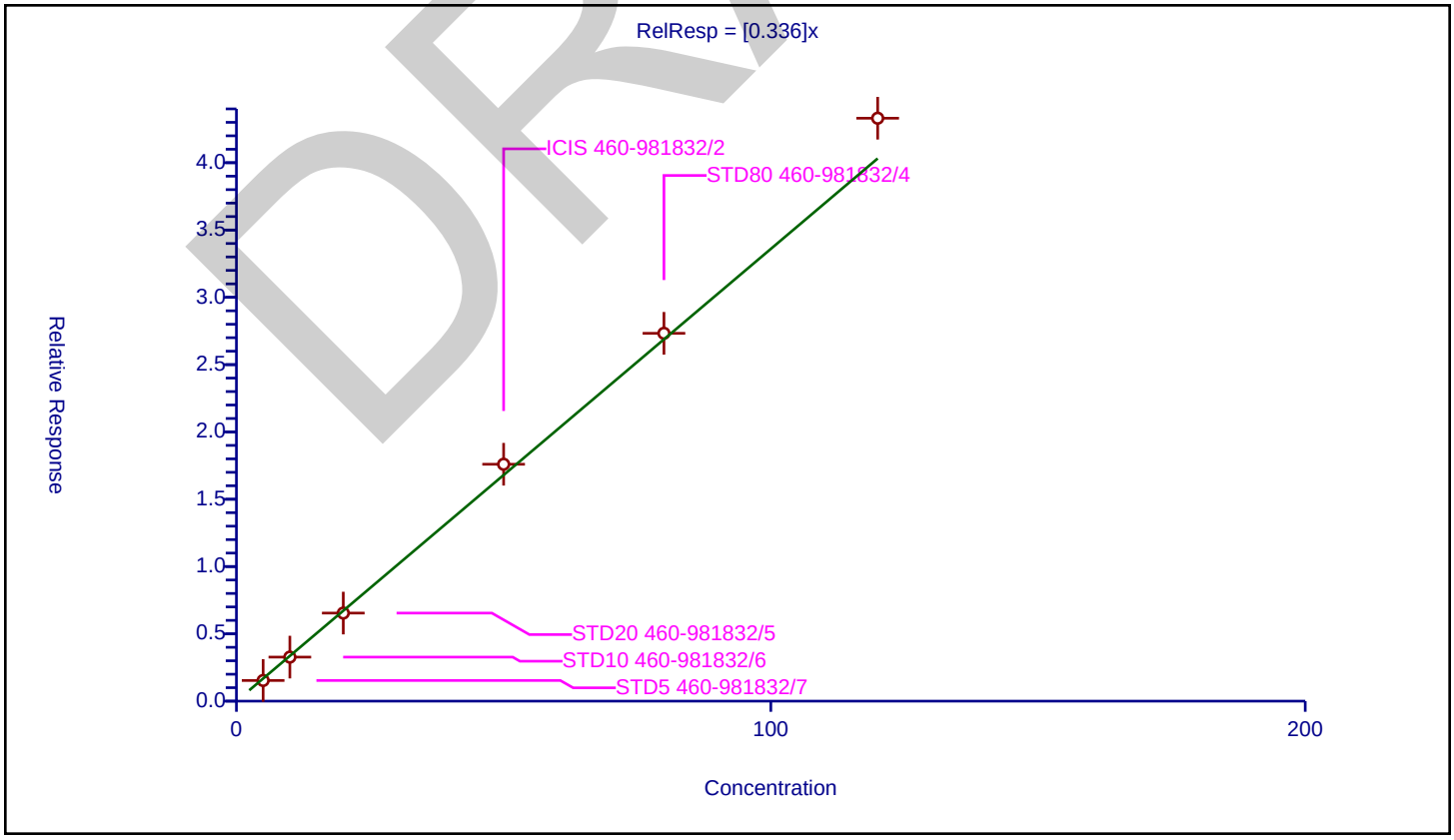
Intercept:	0
Slope:	0.336

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	1.535231	40.0	534330.0	0.307046	Y
2	STD10 460-981832/6	10.0	3.271574	40.0	543995.0	0.327157	Y
3	STD20 460-981832/5	20.0	6.542597	40.0	564846.0	0.32713	Y
4	ICIS 460-981832/2	50.0	17.59952	40.0	520346.0	0.35199	Y
5	STD80 460-981832/4	80.0	27.328037	40.0	552429.0	0.3416	Y
6	STD120 460-981832/3	120.0	43.307779	40.0	494241.0	0.360898	Y

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Calibration / Diethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

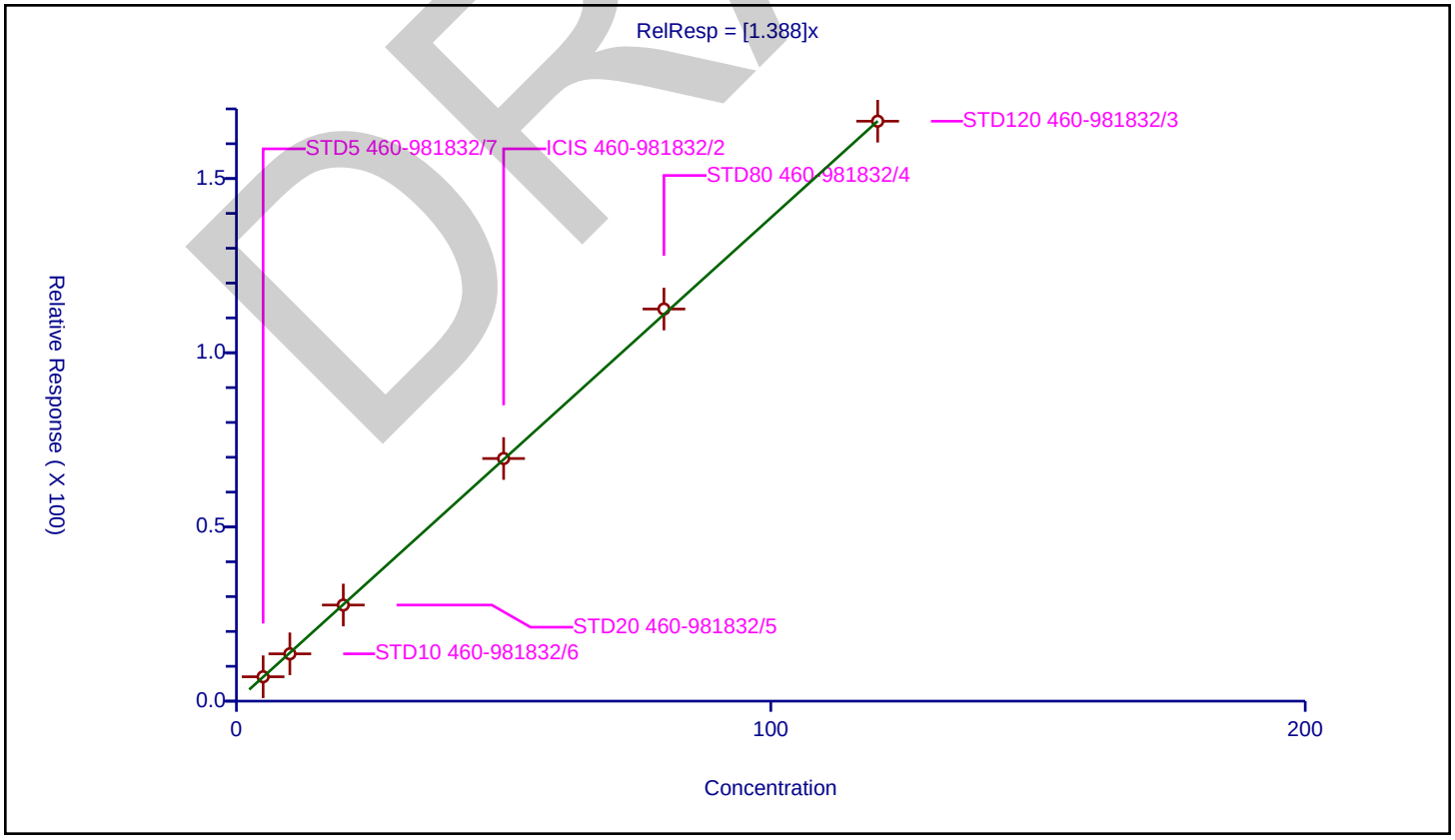
Curve Coefficients

Intercept:	0
Slope:	1.388

Error Coefficients

Relative Standard Deviation:	1.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	7.002265	40.0	534330.0	1.400453	Y
2	STD10 460-981832/6	10.0	13.579022	40.0	543995.0	1.357902	Y
3	STD20 460-981832/5	20.0	27.590387	40.0	564846.0	1.379519	Y
4	ICIS 460-981832/2	50.0	69.64612	40.0	520346.0	1.392922	Y
5	STD80 460-981832/4	80.0	112.558247	40.0	552429.0	1.406978	Y
6	STD120 460-981832/3	120.0	166.471499	40.0	494241.0	1.387262	Y



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Calibration / Fluorene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

Curve Coefficients

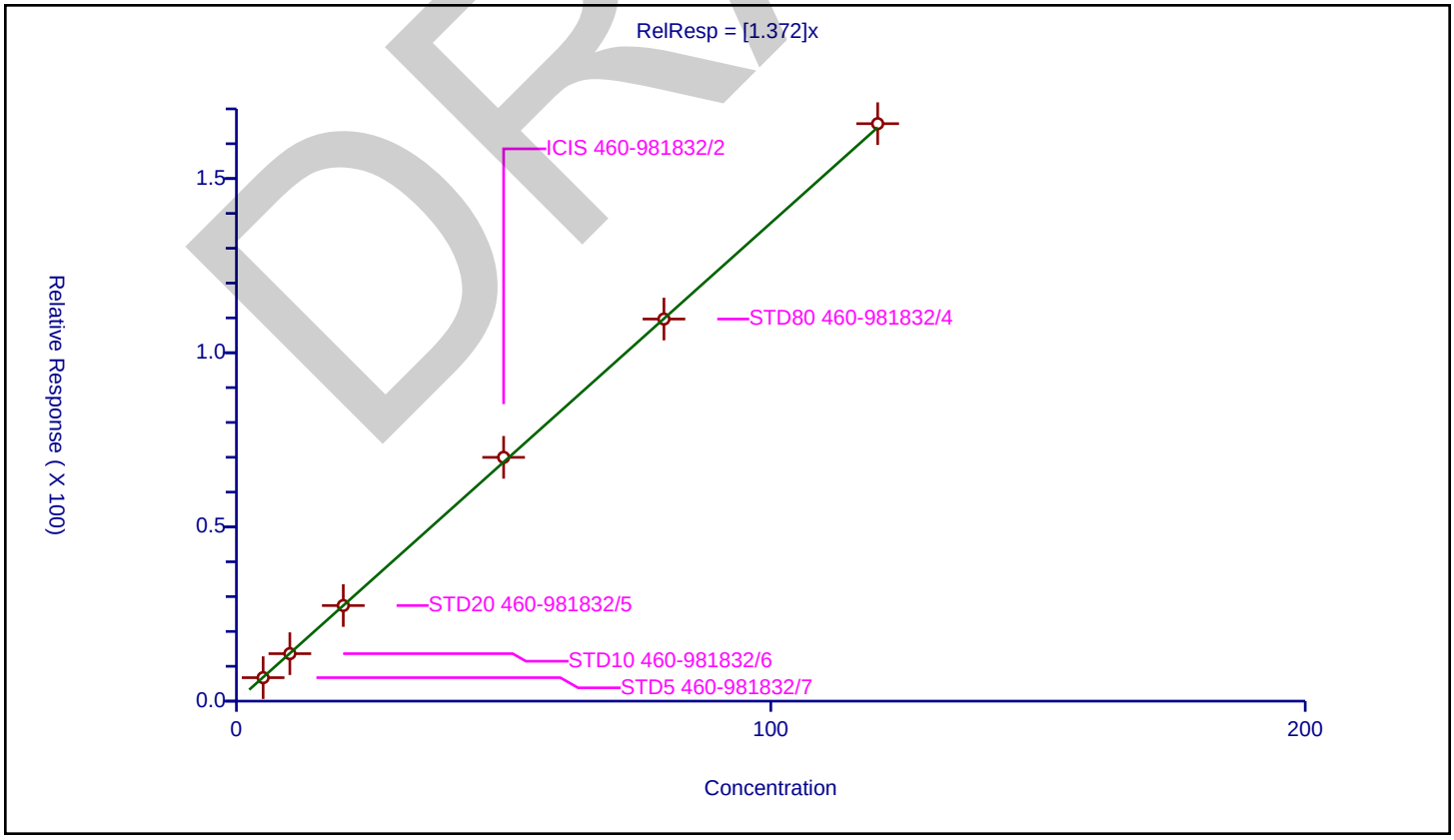
Intercept:	0
Slope:	1.372

Error Coefficients

Relative Standard Deviation:	1.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	6.738532	40.0	534330.0	1.347706	Y
2	STD10 460-981832/6	10.0	13.628875	40.0	543995.0	1.362888	Y
3	STD20 460-981832/5	20.0	27.438913	40.0	564846.0	1.371946	Y
4	ICIS 460-981832/2	50.0	69.978361	40.0	520346.0	1.399567	Y
5	STD80 460-981832/4	80.0	109.681715	40.0	552429.0	1.371021	Y
6	STD120 460-981832/3	120.0	165.758405	40.0	494241.0	1.38132	Y

DRAFT



Calibration / 4-Chlorophenyl phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

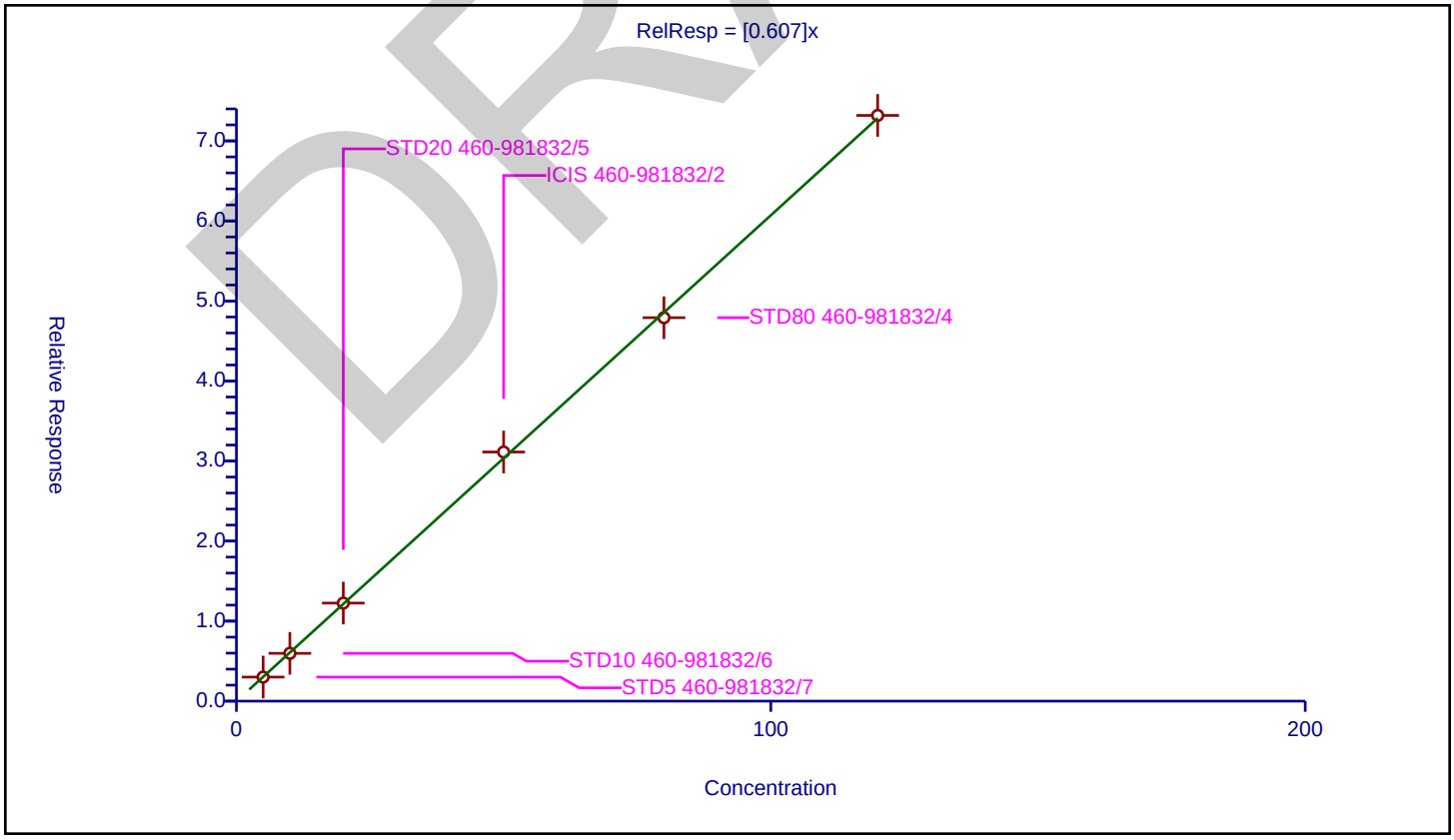
Curve Coefficients

Intercept:	0
Slope:	0.607

Error Coefficients

Relative Standard Deviation:	1.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	3.005633	40.0	534330.0	0.601127	Y
2	STD10 460-981832/6	10.0	5.97204	40.0	543995.0	0.597204	Y
3	STD20 460-981832/5	20.0	12.251127	40.0	564846.0	0.612556	Y
4	ICIS 460-981832/2	50.0	31.127442	40.0	520346.0	0.622549	Y
5	STD80 460-981832/4	80.0	47.912401	40.0	552429.0	0.598905	Y
6	STD120 460-981832/3	120.0	73.183568	40.0	494241.0	0.609863	Y



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Calibration / 4-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

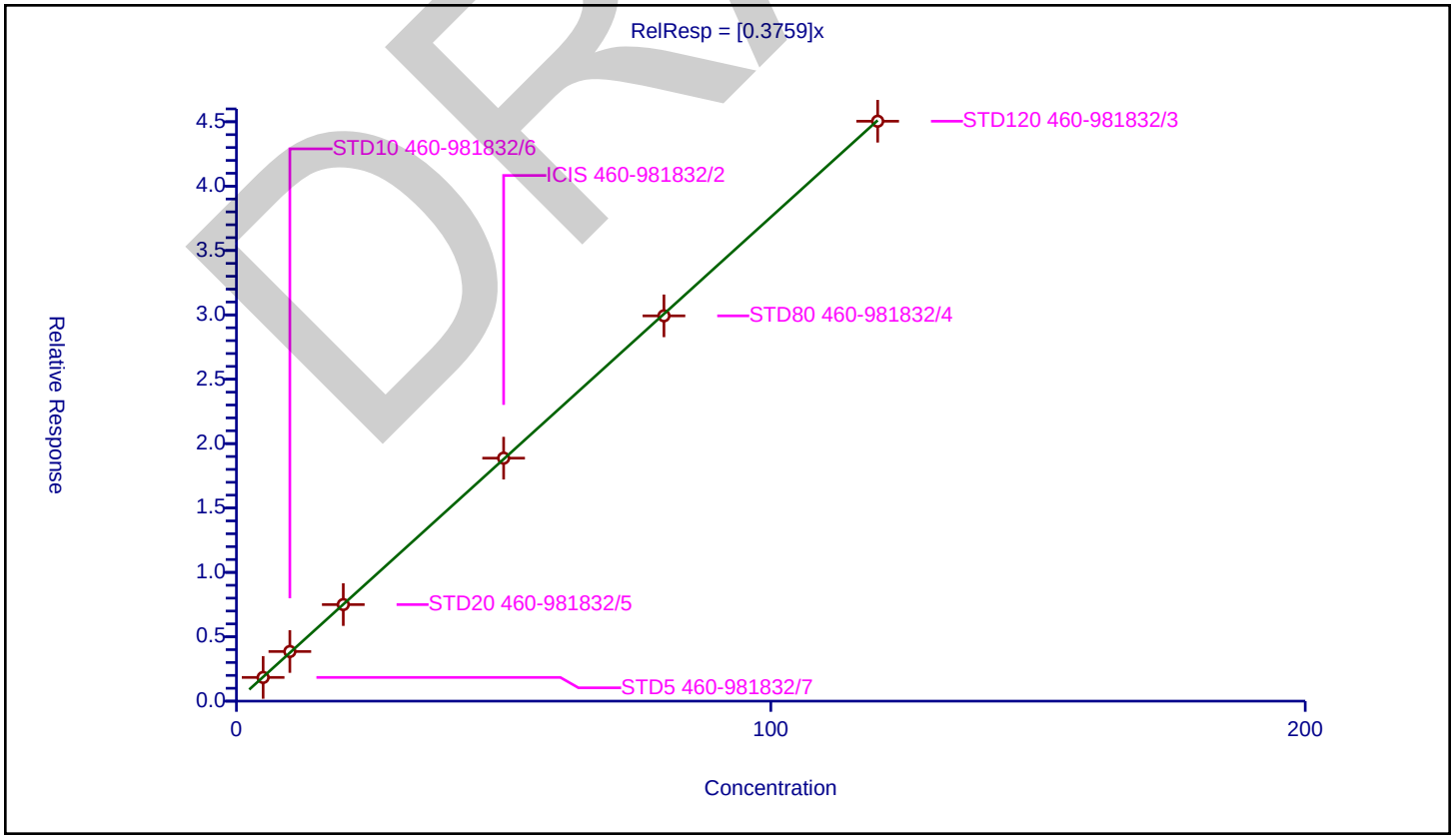
Curve Coefficients

Intercept:	0
Slope:	0.3759

Error Coefficients

Relative Standard Deviation:	1.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	1.841109	40.0	534330.0	0.368222	Y
2	STD10 460-981832/6	10.0	3.854153	40.0	543995.0	0.385415	Y
3	STD20 460-981832/5	20.0	7.499956	40.0	564846.0	0.374998	Y
4	ICIS 460-981832/2	50.0	18.874518	40.0	520346.0	0.37749	Y
5	STD80 460-981832/4	80.0	29.926887	40.0	552429.0	0.374086	Y
6	STD120 460-981832/3	120.0	45.041265	40.0	494241.0	0.375344	Y



DRAFT

Calibration / 4,6-Dinitro-2-methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

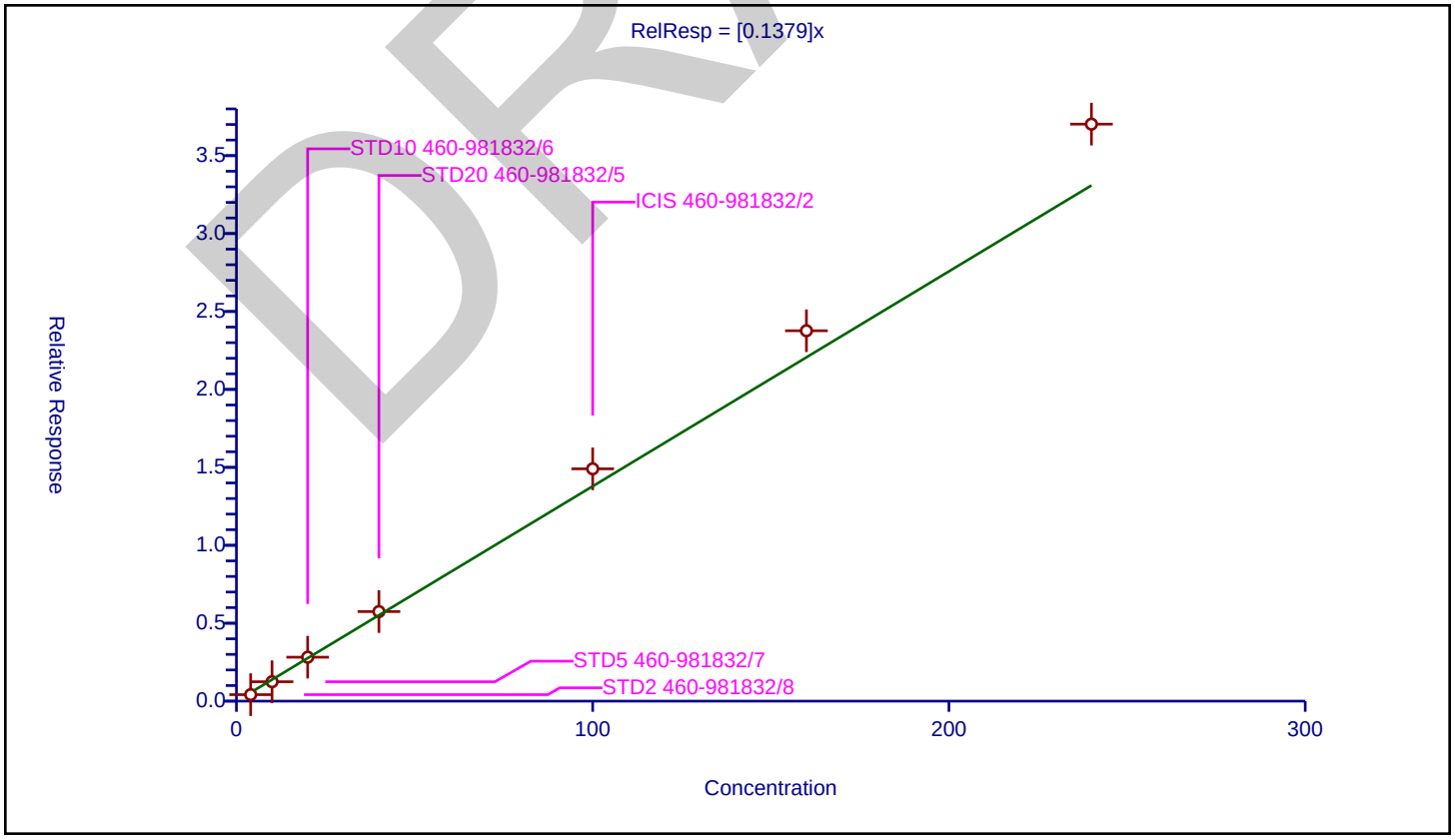
Curve Coefficients

Intercept:	0
Slope:	0.1379

Error Coefficients

Relative Standard Deviation:	12.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 460-981832/8	4.0	0.416796	40.0	1005289.0	0.104199	Y
2	STD5 460-981832/7	10.0	1.244684	40.0	978819.0	0.124468	Y
3	STD10 460-981832/6	20.0	2.819404	40.0	1013505.0	0.14097	Y
4	STD20 460-981832/5	40.0	5.745628	40.0	1035194.0	0.143641	Y
5	ICIS 460-981832/2	100.0	14.906177	40.0	974651.0	0.149062	Y
6	STD80 460-981832/4	160.0	23.765538	40.0	1010655.0	0.148535	Y
7	STD120 460-981832/3	240.0	37.023102	40.0	889221.0	0.154263	Y



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Calibration / N-Nitrosodiphenylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

Curve Coefficients

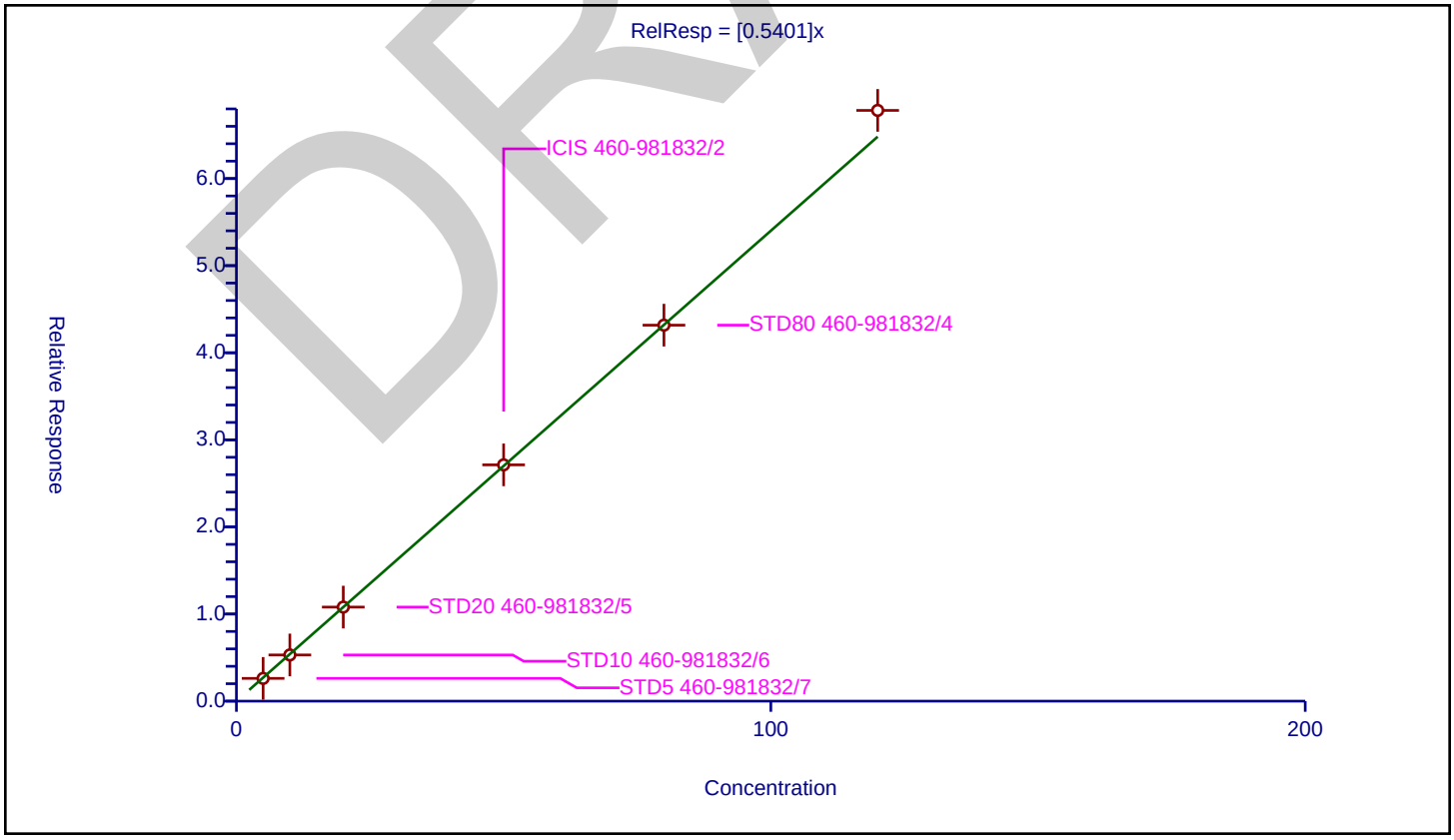
Intercept:	0
Slope:	0.5401

Error Coefficients

Relative Standard Deviation:	2.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	2.612495	40.0	978819.0	0.522499	Y
2	STD10 460-981832/6	10.0	5.305351	40.0	1013505.0	0.530535	Y
3	STD20 460-981832/5	20.0	10.798131	40.0	1035194.0	0.539907	Y
4	ICIS 460-981832/2	50.0	27.130655	40.0	974651.0	0.542613	Y
5	STD80 460-981832/4	80.0	43.169153	40.0	1010655.0	0.539614	Y
6	STD120 460-981832/3	120.0	67.826963	40.0	889221.0	0.565225	Y

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Calibration / 1,2-Diphenylhydrazine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

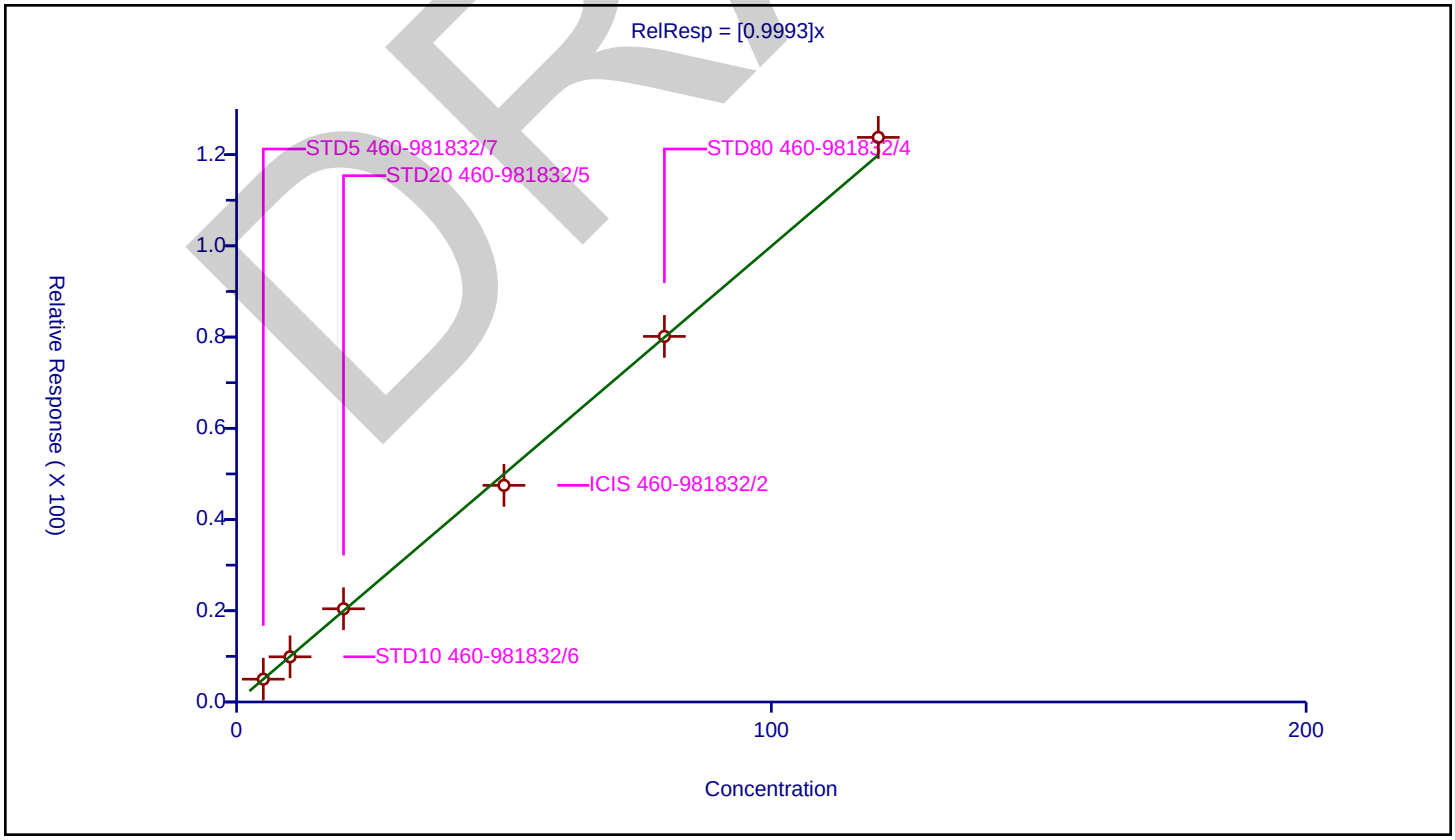
Curve Coefficients

Intercept:	0
Slope:	0.9993

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	5.000189	40.0	978819.0	1.000038	Y
2	STD10 460-981832/6	10.0	9.907479	40.0	1013505.0	0.990748	Y
3	STD20 460-981832/5	20.0	20.43416	40.0	1035194.0	1.021708	Y
4	ICIS 460-981832/2	50.0	47.491748	40.0	974651.0	0.949835	Y
5	STD80 460-981832/4	80.0	80.151427	40.0	1010655.0	1.001893	Y
6	STD120 460-981832/3	120.0	123.780927	40.0	889221.0	1.031508	Y



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Calibration / Azobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

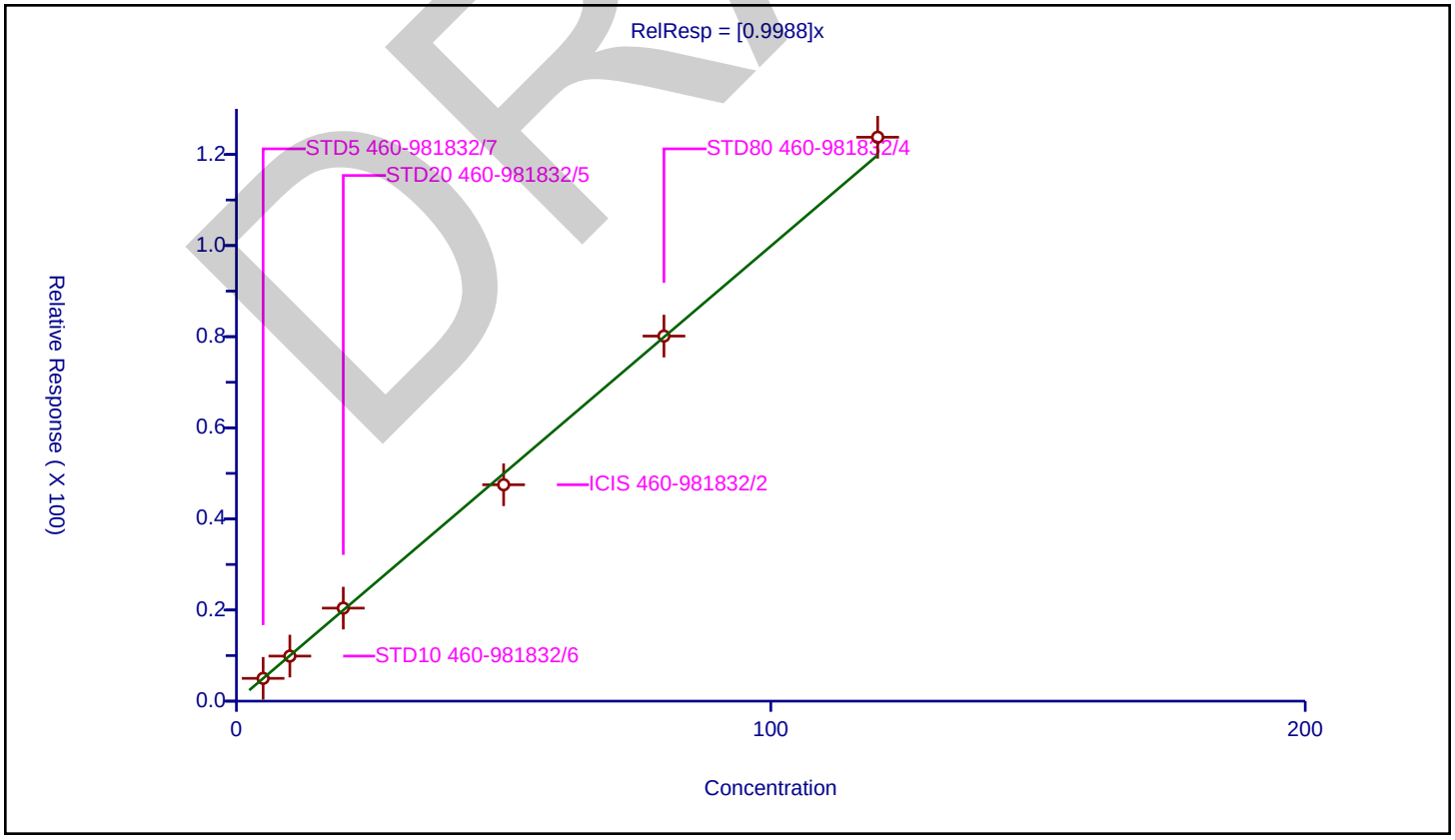
Curve Coefficients

Intercept:	0
Slope:	0.9988

Error Coefficients

Relative Standard Deviation:	2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	5.000189	40.0	978819.0	1.000038	Y
2	STD10 460-981832/6	10.0	9.89039	40.0	1013505.0	0.989039	Y
3	STD20 460-981832/5	20.0	20.415574	40.0	1035194.0	1.020779	Y
4	ICIS 460-981832/2	50.0	47.500121	40.0	974651.0	0.950002	Y
5	STD80 460-981832/4	80.0	80.133023	40.0	1010655.0	1.001663	Y
6	STD120 460-981832/3	120.0	123.780927	40.0	889221.0	1.031508	Y



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Calibration / 2,4,6-Tribromophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

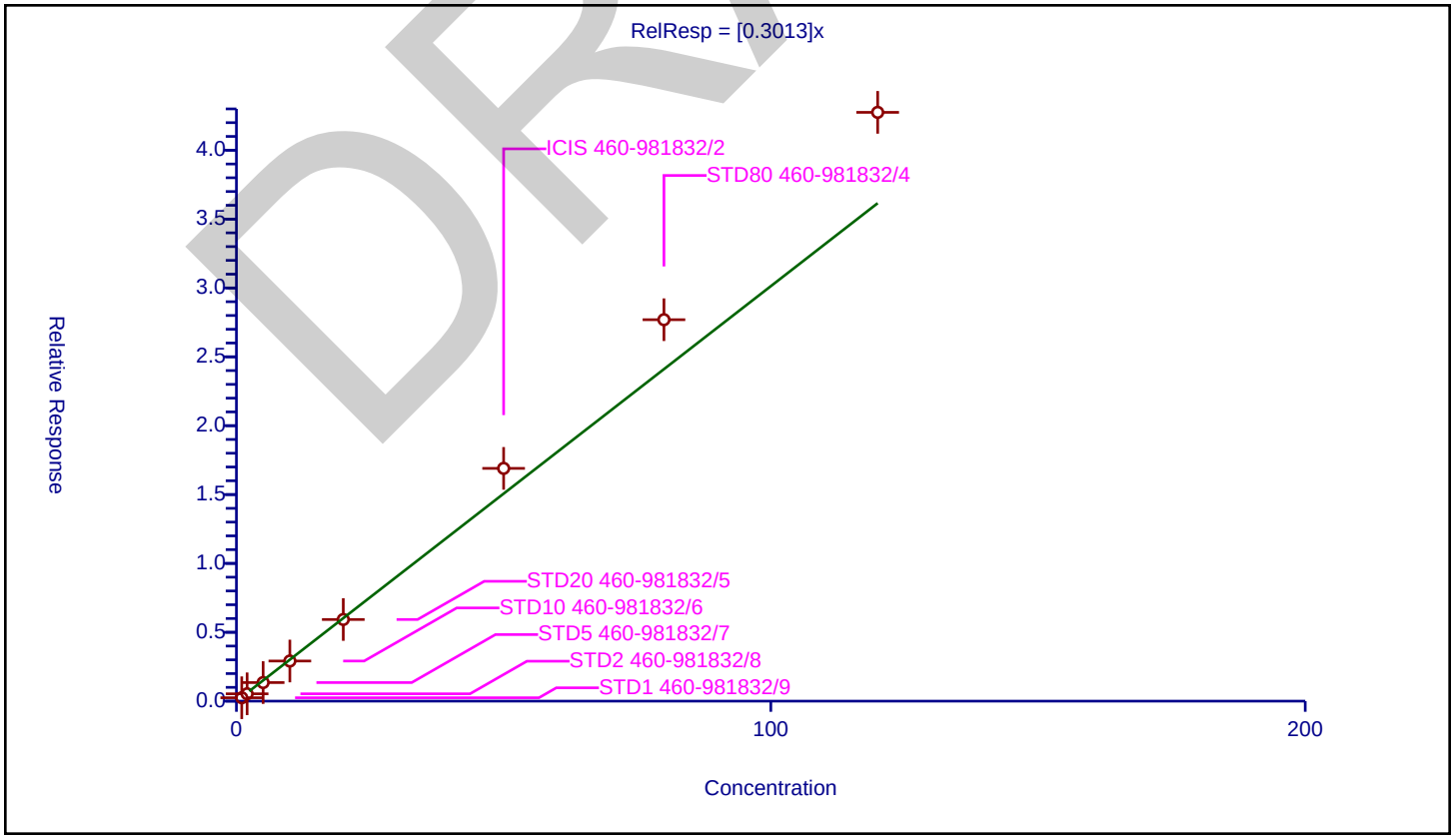
Curve Coefficients

Intercept:	0
Slope:	0.3013

Error Coefficients

Relative Standard Deviation:	13.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-981832/9	1.0	0.246236	40.0	523237.0	0.246236	Y
2	STD2 460-981832/8	2.0	0.532108	40.0	551016.0	0.266054	Y
3	STD5 460-981832/7	5.0	1.348979	40.0	534330.0	0.269796	Y
4	STD10 460-981832/6	10.0	2.913703	40.0	543995.0	0.29137	Y
5	STD20 460-981832/5	20.0	5.928554	40.0	564846.0	0.296428	Y
6	ICIS 460-981832/2	50.0	16.899371	40.0	520346.0	0.337987	Y
7	STD80 460-981832/4	80.0	27.694201	40.0	552429.0	0.346178	Y
8	STD120 460-981832/3	120.0	42.747728	40.0	494241.0	0.356231	Y



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Calibration / 4-Bromophenyl phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

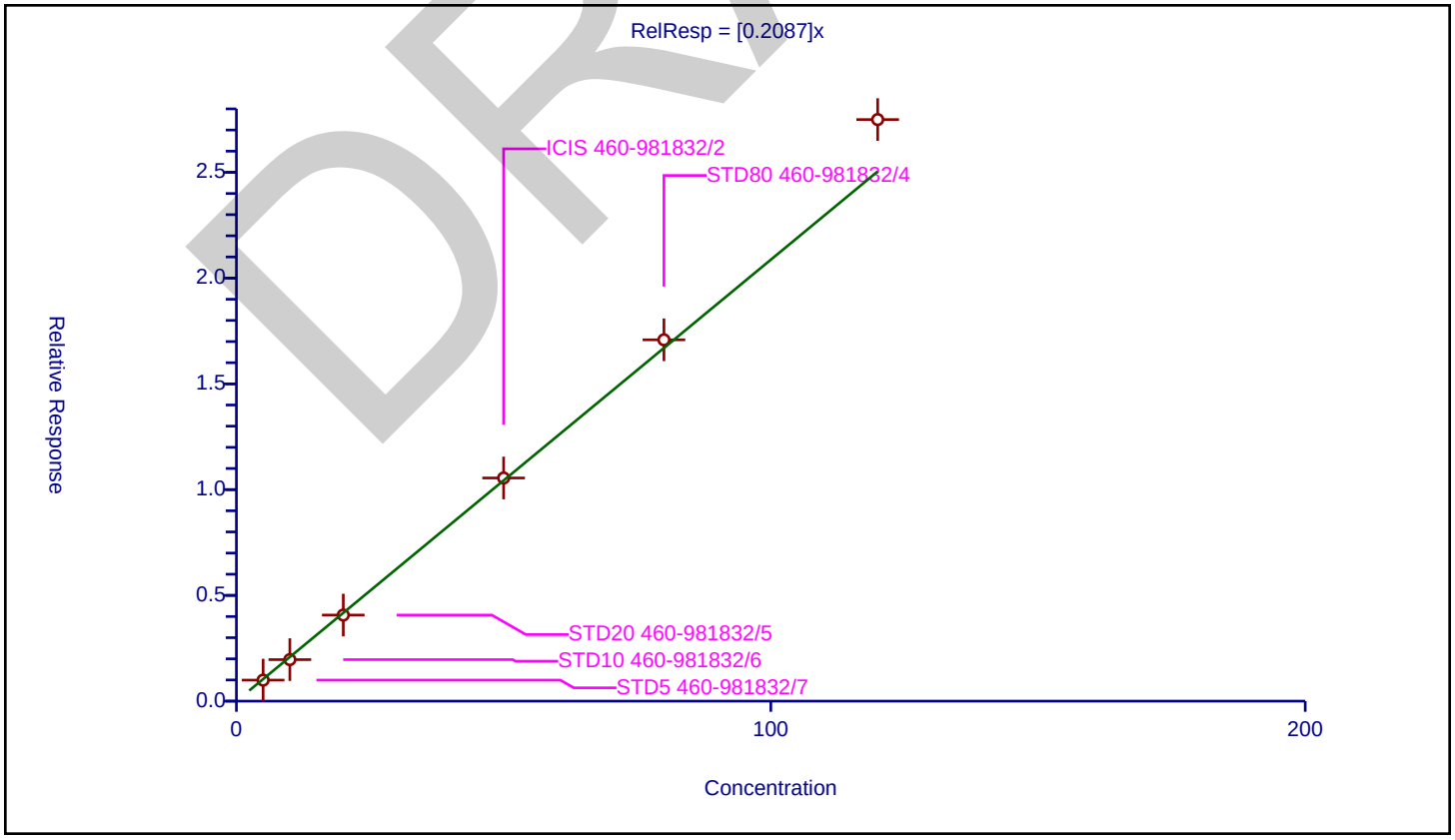
Curve Coefficients

Intercept:	0
Slope:	0.2087

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	0.993524	40.0	978819.0	0.198705	Y
2	STD10 460-981832/6	10.0	1.96297	40.0	1013505.0	0.196297	Y
3	STD20 460-981832/5	20.0	4.069614	40.0	1035194.0	0.203481	Y
4	ICIS 460-981832/2	50.0	10.549787	40.0	974651.0	0.210996	Y
5	STD80 460-981832/4	80.0	17.083297	40.0	1010655.0	0.213541	Y
6	STD120 460-981832/3	120.0	27.494492	40.0	889221.0	0.229121	Y



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Calibration / Hexachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

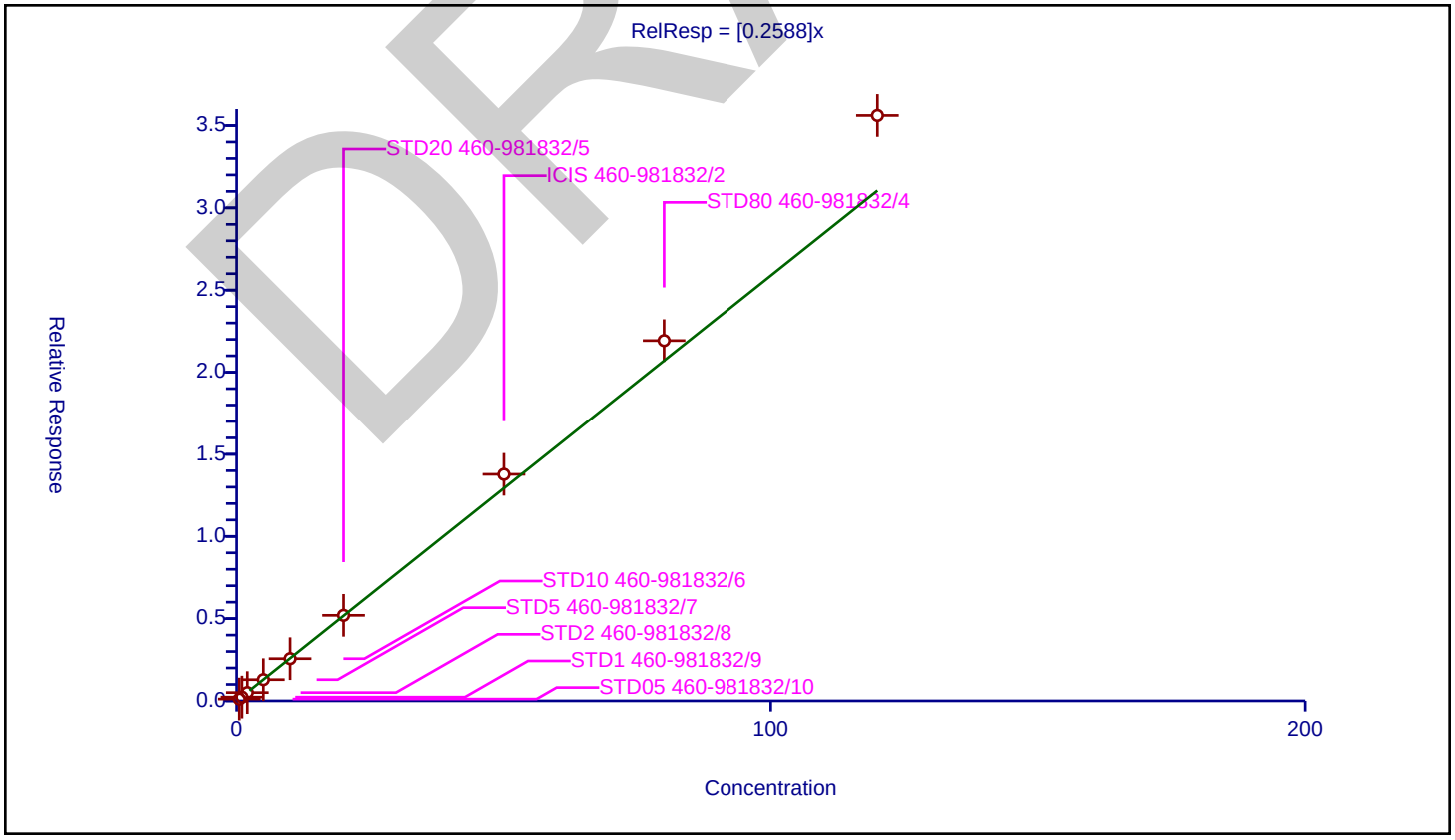
Curve Coefficients

Intercept:	0
Slope:	0.2588

Error Coefficients

Relative Standard Deviation:	8.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD05 460-981832/10	0.5	0.112363	40.0	962236.0	0.224727	Y
2	STD1 460-981832/9	1.0	0.231127	40.0	971932.0	0.231127	Y
3	STD2 460-981832/8	2.0	0.503855	40.0	1005289.0	0.251928	Y
4	STD5 460-981832/7	5.0	1.290004	40.0	978819.0	0.258001	Y
5	STD10 460-981832/6	10.0	2.565079	40.0	1013505.0	0.256508	Y
6	STD20 460-981832/5	20.0	5.201228	40.0	1035194.0	0.260061	Y
7	ICIS 460-981832/2	50.0	13.783642	40.0	974651.0	0.275673	Y
8	STD80 460-981832/4	80.0	21.924514	40.0	1010655.0	0.274056	Y
9	STD120 460-981832/3	120.0	35.611979	40.0	889221.0	0.296766	Y



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Calibration / Atrazine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

Curve Coefficients

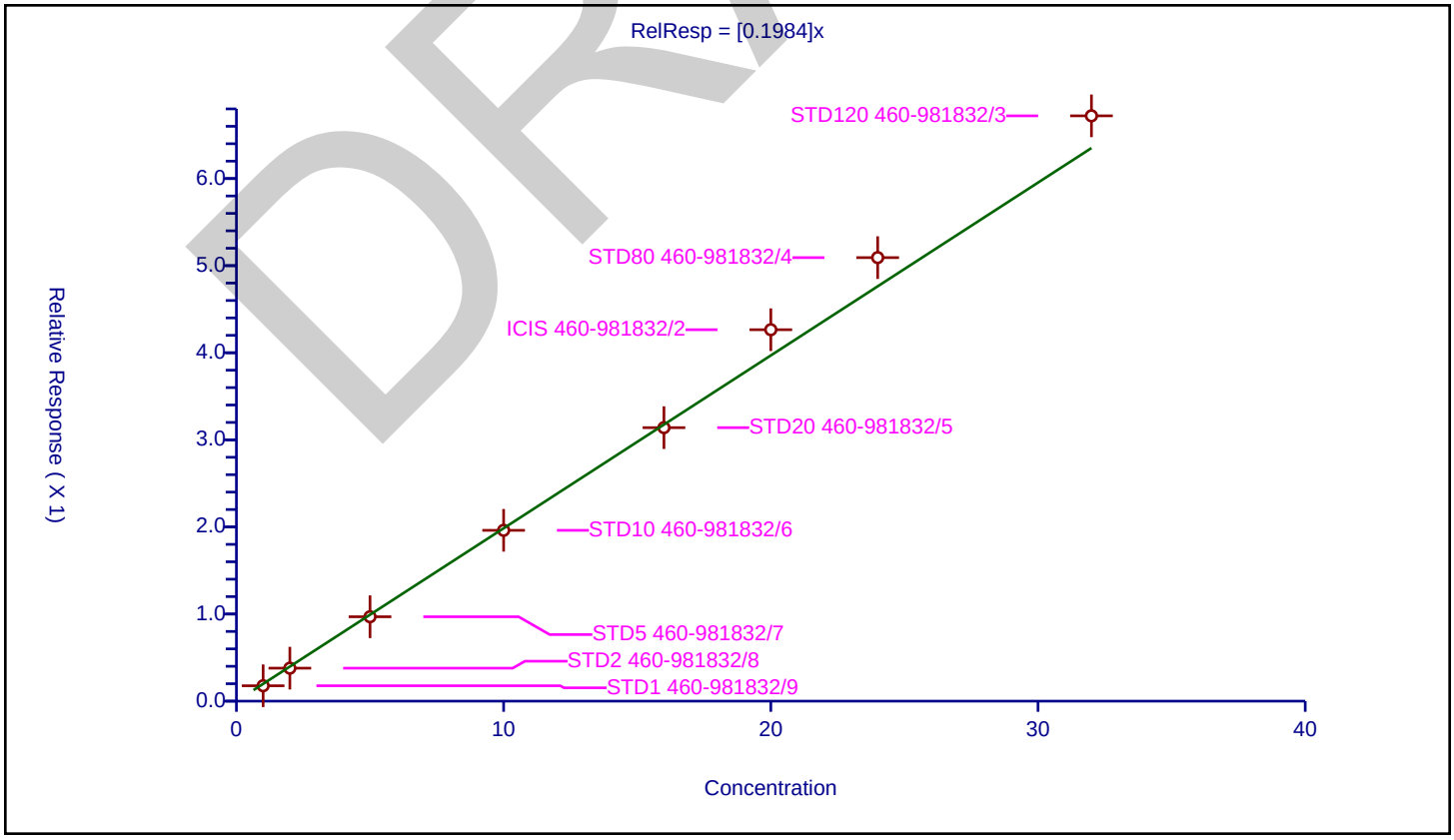
Intercept:	0
Slope:	0.1984

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-981832/9	1.0	0.176638	40.0	971932.0	0.176638	Y
2	STD2 460-981832/8	2.0	0.378677	40.0	1005289.0	0.189339	Y
3	STD5 460-981832/7	5.0	0.969004	40.0	978819.0	0.193801	Y
4	STD10 460-981832/6	10.0	1.961273	40.0	1013505.0	0.196127	Y
5	STD20 460-981832/5	16.0	3.140088	40.0	1035194.0	0.196255	Y
6	ICIS 460-981832/2	20.0	4.264706	40.0	974651.0	0.213235	Y
7	STD80 460-981832/4	24.0	5.092499	40.0	1010655.0	0.212187	Y
8	STD120 460-981832/3	32.0	6.720309	40.0	889221.0	0.21001	Y

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Calibration / Pentachlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

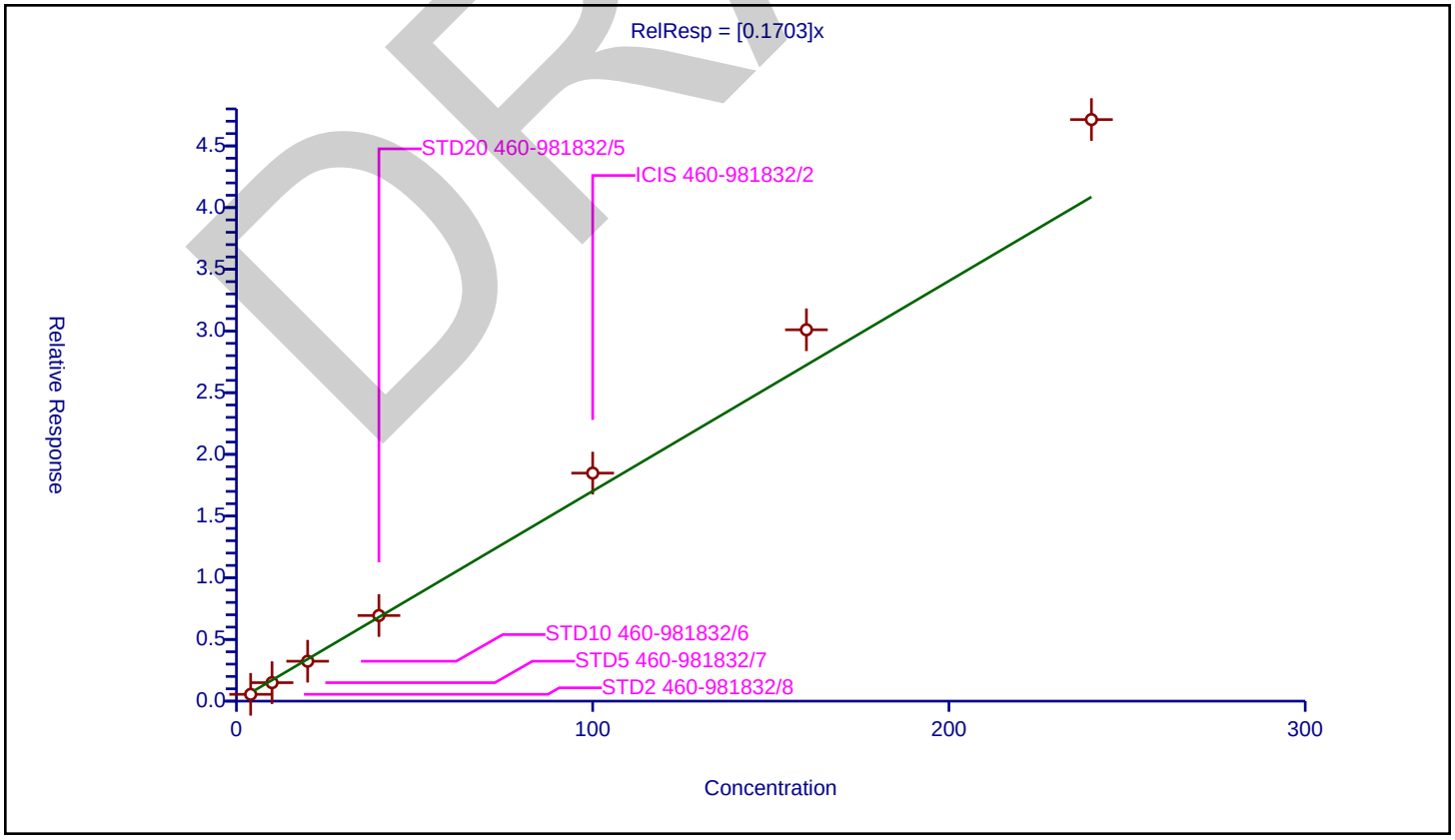
Curve Coefficients

Intercept:	0
Slope:	0.1703

Error Coefficients

Relative Standard Deviation:	12.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 460-981832/8	4.0	0.550687	40.0	1005289.0	0.137672	Y
2	STD5 460-981832/7	10.0	1.496007	40.0	978819.0	0.149601	Y
3	STD10 460-981832/6	20.0	3.235189	40.0	1013505.0	0.161759	Y
4	STD20 460-981832/5	40.0	6.939221	40.0	1035194.0	0.173481	Y
5	ICIS 460-981832/2	100.0	18.480913	40.0	974651.0	0.184809	Y
6	STD80 460-981832/4	160.0	30.09949	40.0	1010655.0	0.188122	Y
7	STD120 460-981832/3	240.0	47.135054	40.0	889221.0	0.196396	Y



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Calibration / Pentachloronitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

Curve Coefficients

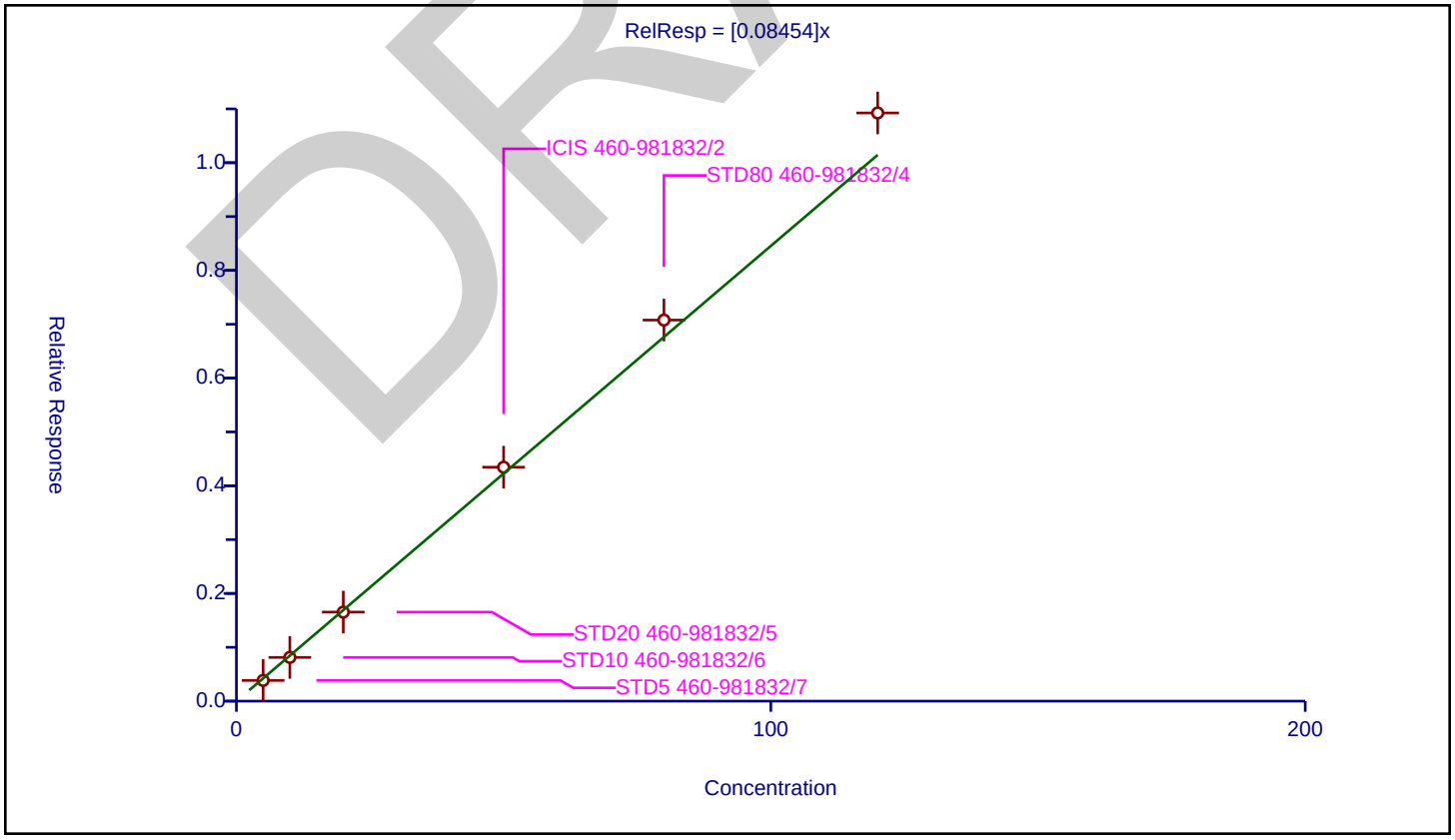
Intercept:	0
Slope:	0.08454

Error Coefficients

Relative Standard Deviation:	6.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	0.384627	40.0	978819.0	0.076925	Y
2	STD10 460-981832/6	10.0	0.812112	40.0	1013505.0	0.081211	Y
3	STD20 460-981832/5	20.0	1.654144	40.0	1035194.0	0.082707	Y
4	ICIS 460-981832/2	50.0	4.345186	40.0	974651.0	0.086904	Y
5	STD80 460-981832/4	80.0	7.07743	40.0	1010655.0	0.088468	Y
6	STD120 460-981832/3	120.0	10.924438	40.0	889221.0	0.091037	Y

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Calibration / n-Octadecane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

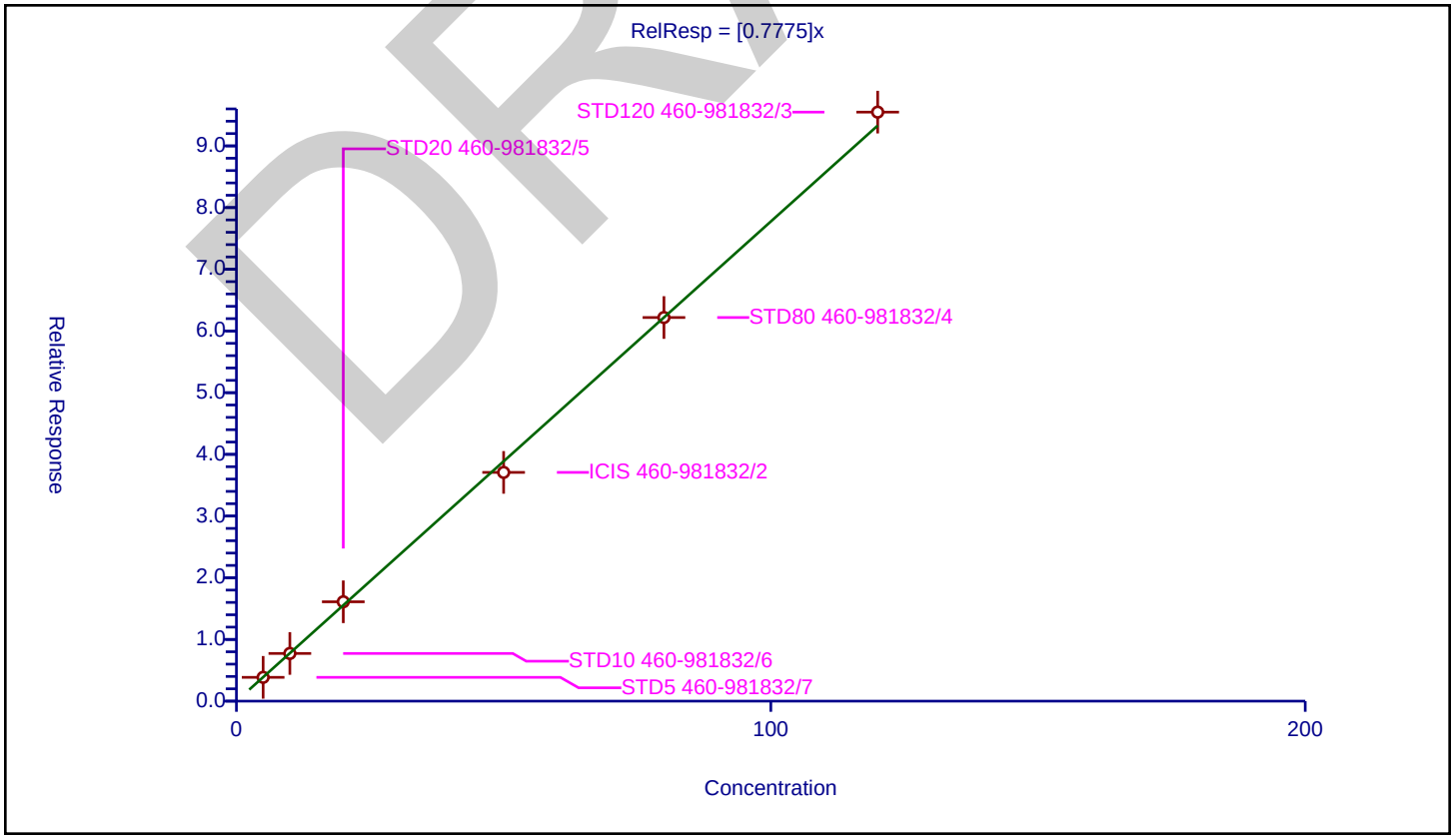
Curve Coefficients

Intercept:	0
Slope:	0.7775

Error Coefficients

Relative Standard Deviation:	2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	3.859018	40.0	978819.0	0.771804	Y
2	STD10 460-981832/6	10.0	7.731151	40.0	1013505.0	0.773115	Y
3	STD20 460-981832/5	20.0	16.105967	40.0	1035194.0	0.805298	Y
4	ICIS 460-981832/2	50.0	37.07916	40.0	974651.0	0.741583	Y
5	STD80 460-981832/4	80.0	62.182129	40.0	1010655.0	0.777277	Y
6	STD120 460-981832/3	120.0	95.477097	40.0	889221.0	0.795642	Y



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Calibration / Phenanthrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

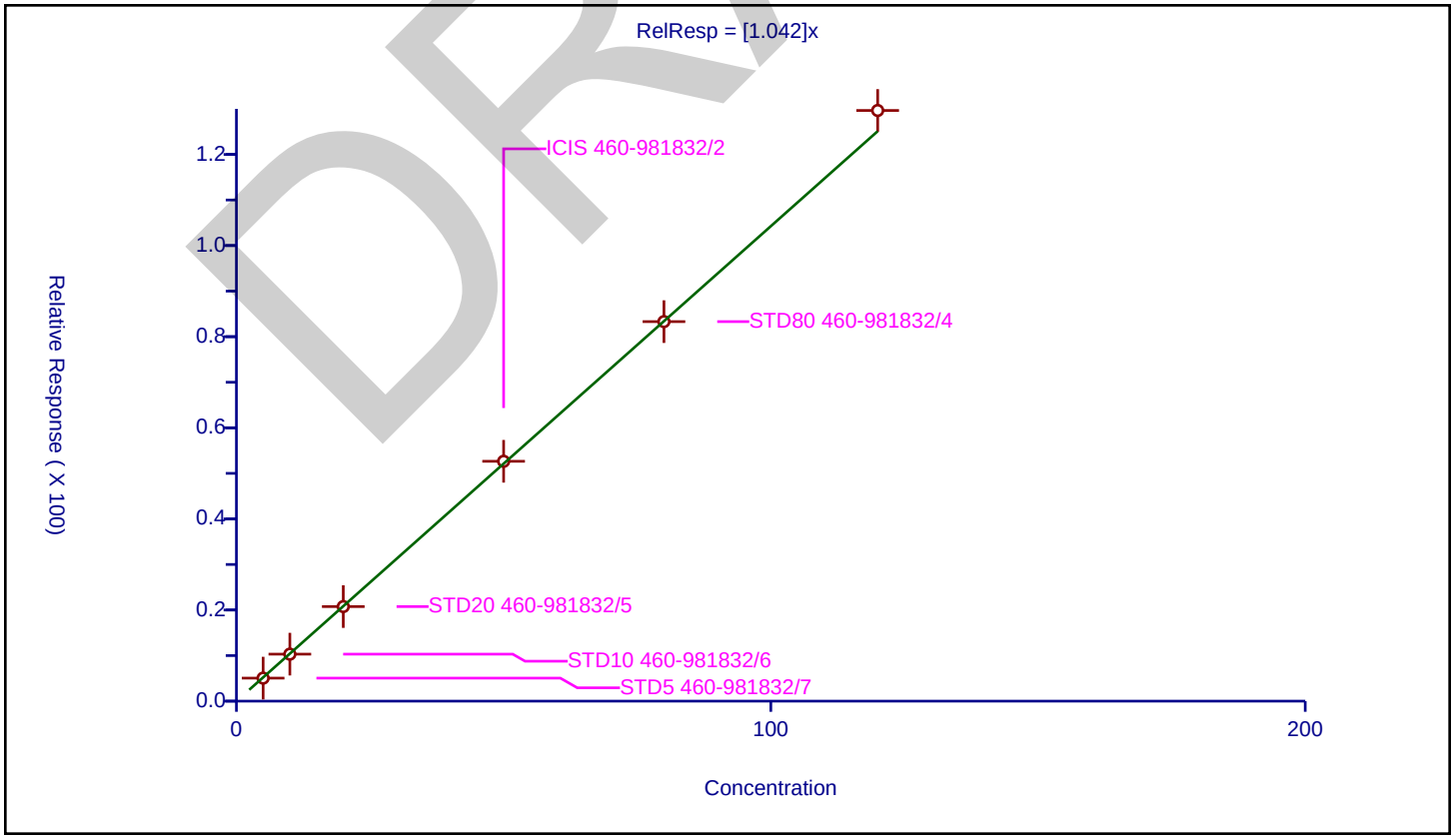
Curve Coefficients

Intercept:	0
Slope:	1.042

Error Coefficients

Relative Standard Deviation:	2.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	5.055439	40.0	978819.0	1.011088	Y
2	STD10 460-981832/6	10.0	10.315016	40.0	1013505.0	1.031502	Y
3	STD20 460-981832/5	20.0	20.754873	40.0	1035194.0	1.037744	Y
4	ICIS 460-981832/2	50.0	52.646004	40.0	974651.0	1.05292	Y
5	STD80 460-981832/4	80.0	83.305342	40.0	1010655.0	1.041317	Y
6	STD120 460-981832/3	120.0	129.64777	40.0	889221.0	1.080398	Y



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Calibration / Anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

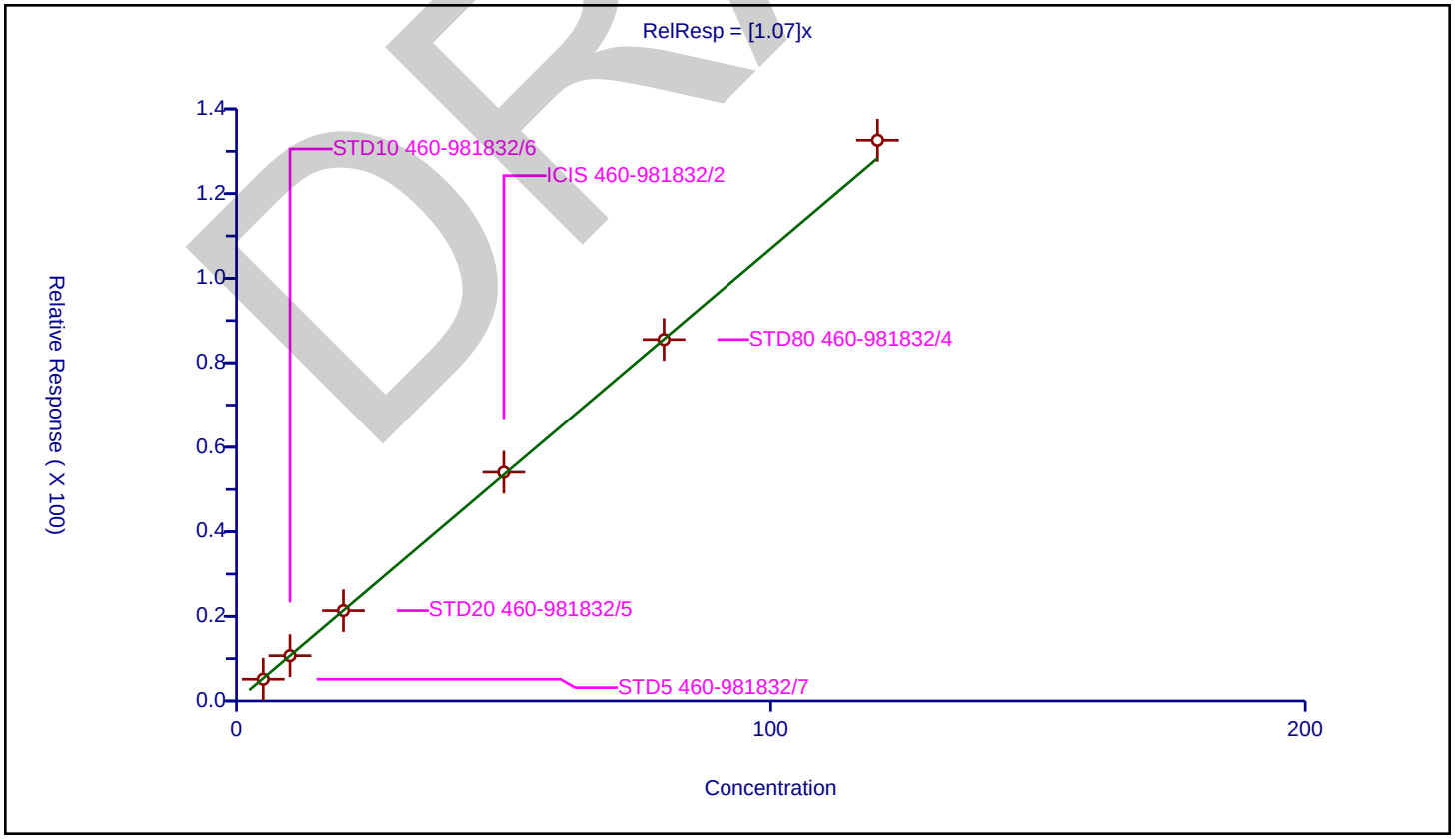
Curve Coefficients

Intercept:	0
Slope:	1.07

Error Coefficients

Relative Standard Deviation:	2.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	5.135005	40.0	978819.0	1.027001	Y
2	STD10 460-981832/6	10.0	10.700529	40.0	1013505.0	1.070053	Y
3	STD20 460-981832/5	20.0	21.346569	40.0	1035194.0	1.067328	Y
4	ICIS 460-981832/2	50.0	54.080568	40.0	974651.0	1.081611	Y
5	STD80 460-981832/4	80.0	85.505301	40.0	1010655.0	1.068816	Y
6	STD120 460-981832/3	120.0	132.615267	40.0	889221.0	1.105127	Y



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Calibration / Carbazole

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

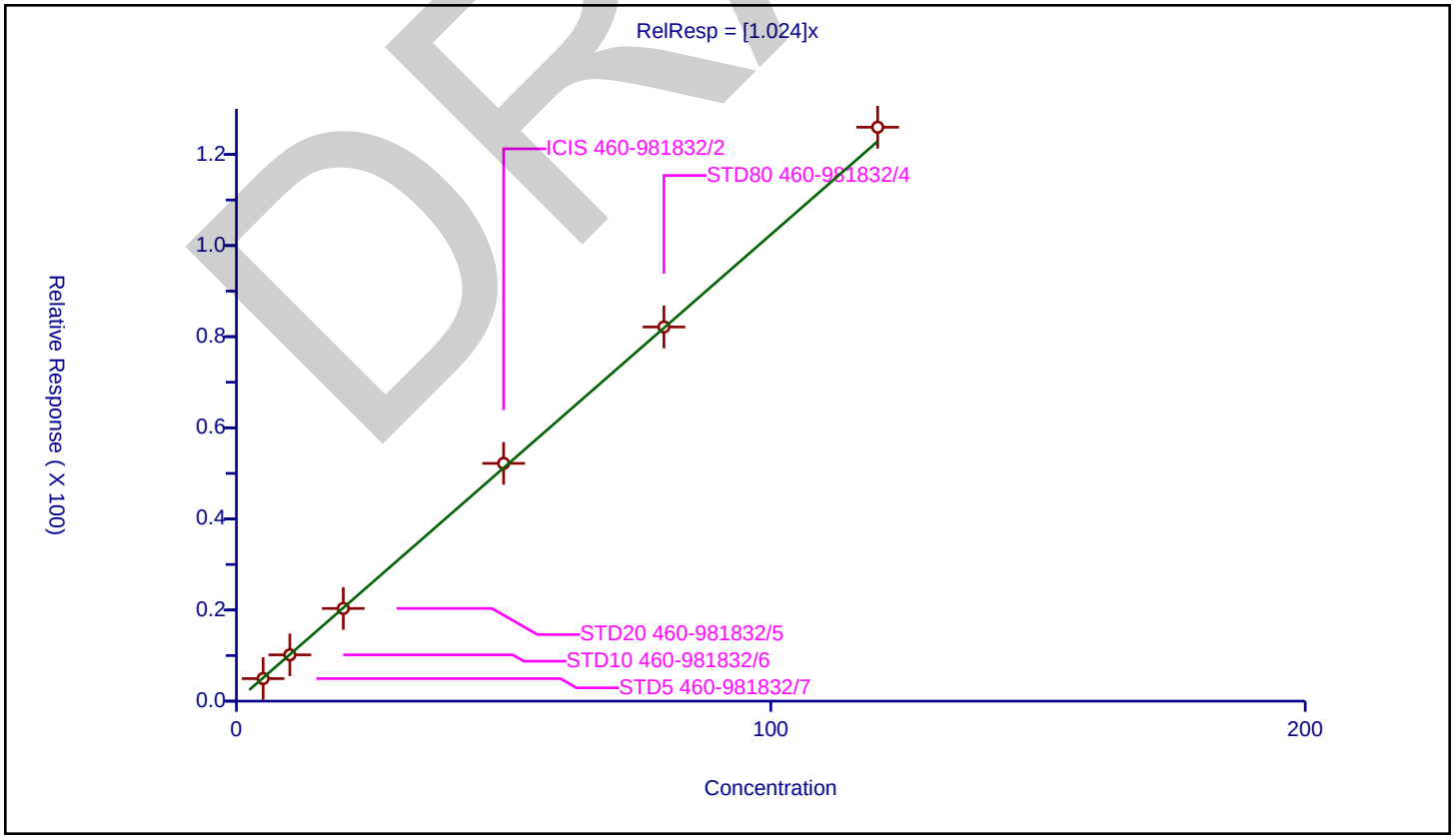
Curve Coefficients

Intercept:	0
Slope:	1.024

Error Coefficients

Relative Standard Deviation:	2.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	4.951191	40.0	978819.0	0.990238	Y
2	STD10 460-981832/6	10.0	10.162318	40.0	1013505.0	1.016232	Y
3	STD20 460-981832/5	20.0	20.349732	40.0	1035194.0	1.017487	Y
4	ICIS 460-981832/2	50.0	52.192303	40.0	974651.0	1.043846	Y
5	STD80 460-981832/4	80.0	82.133587	40.0	1010655.0	1.02667	Y
6	STD120 460-981832/3	120.0	125.970124	40.0	889221.0	1.049751	Y



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Calibration / Di-n-butyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

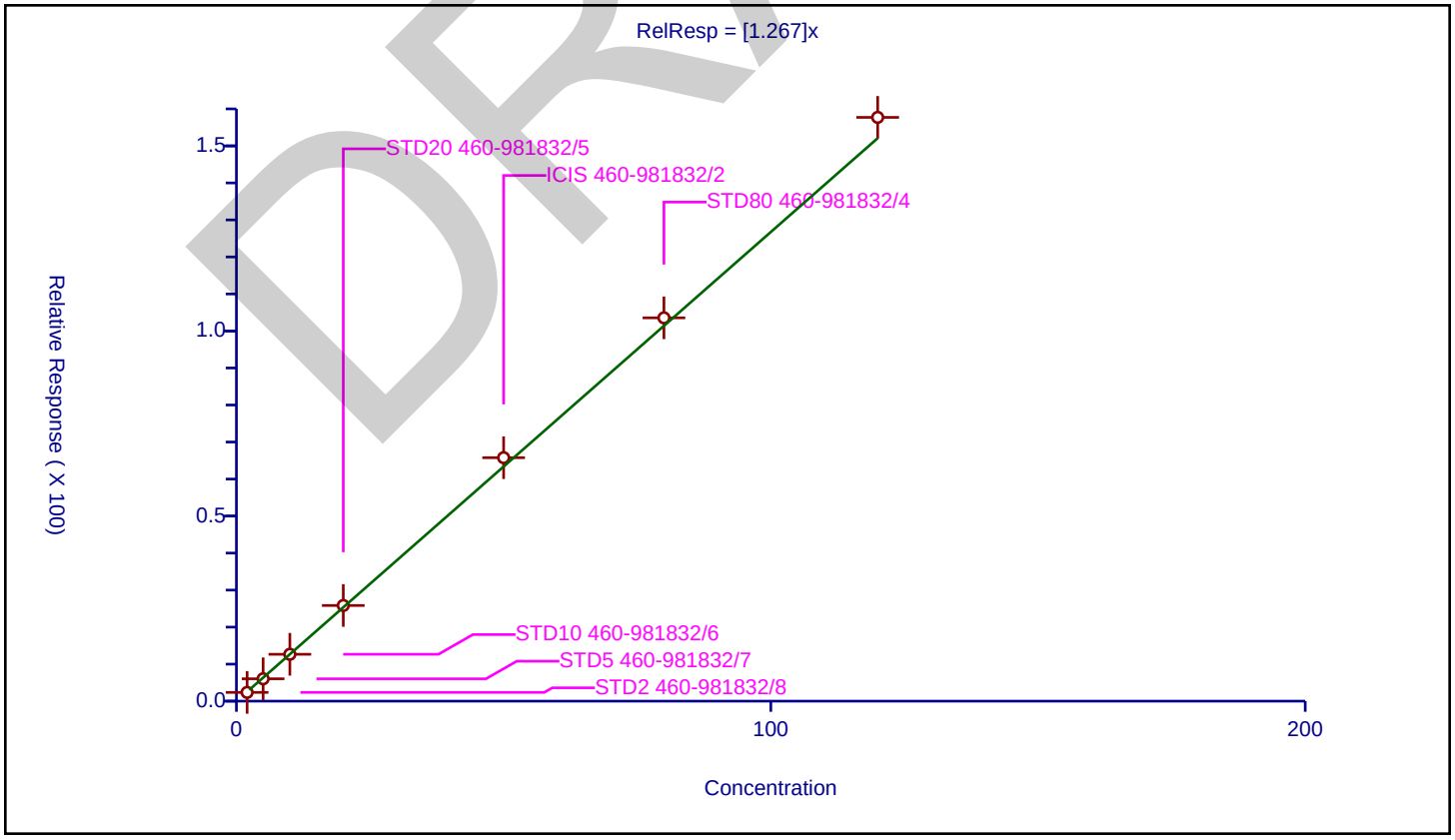
Curve Coefficients

Intercept:	0
Slope:	1.267

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 460-981832/8	2.0	2.36334	40.0	1005289.0	1.18167	Y
2	STD5 460-981832/7	5.0	6.039727	40.0	978819.0	1.207945	Y
3	STD10 460-981832/6	10.0	12.659671	40.0	1013505.0	1.265967	Y
4	STD20 460-981832/5	20.0	25.841881	40.0	1035194.0	1.292094	Y
5	ICIS 460-981832/2	50.0	65.769347	40.0	974651.0	1.315387	Y
6	STD80 460-981832/4	80.0	103.554665	40.0	1010655.0	1.294433	Y
7	STD120 460-981832/3	120.0	157.701764	40.0	889221.0	1.314181	Y



DRAFT

Calibration / Fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

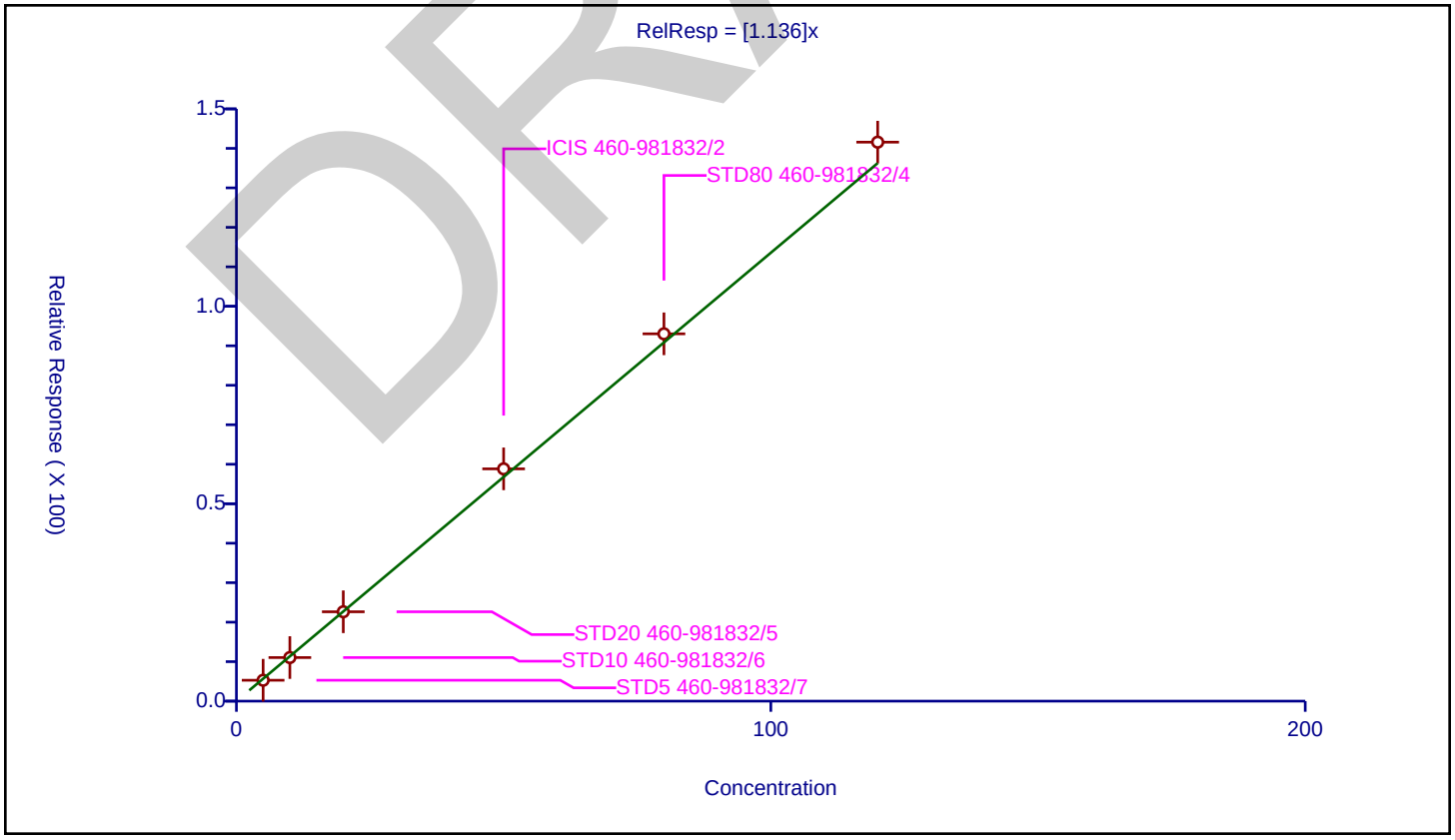
Curve Coefficients

Intercept:	0
Slope:	1.136

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	5.291111	40.0	978819.0	1.058222	Y
2	STD10 460-981832/6	10.0	11.039196	40.0	1013505.0	1.10392	Y
3	STD20 460-981832/5	20.0	22.636994	40.0	1035194.0	1.13185	Y
4	ICIS 460-981832/2	50.0	58.833326	40.0	974651.0	1.176667	Y
5	STD80 460-981832/4	80.0	93.033053	40.0	1010655.0	1.162913	Y
6	STD120 460-981832/3	120.0	141.574074	40.0	889221.0	1.179784	Y



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Calibration / Benzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

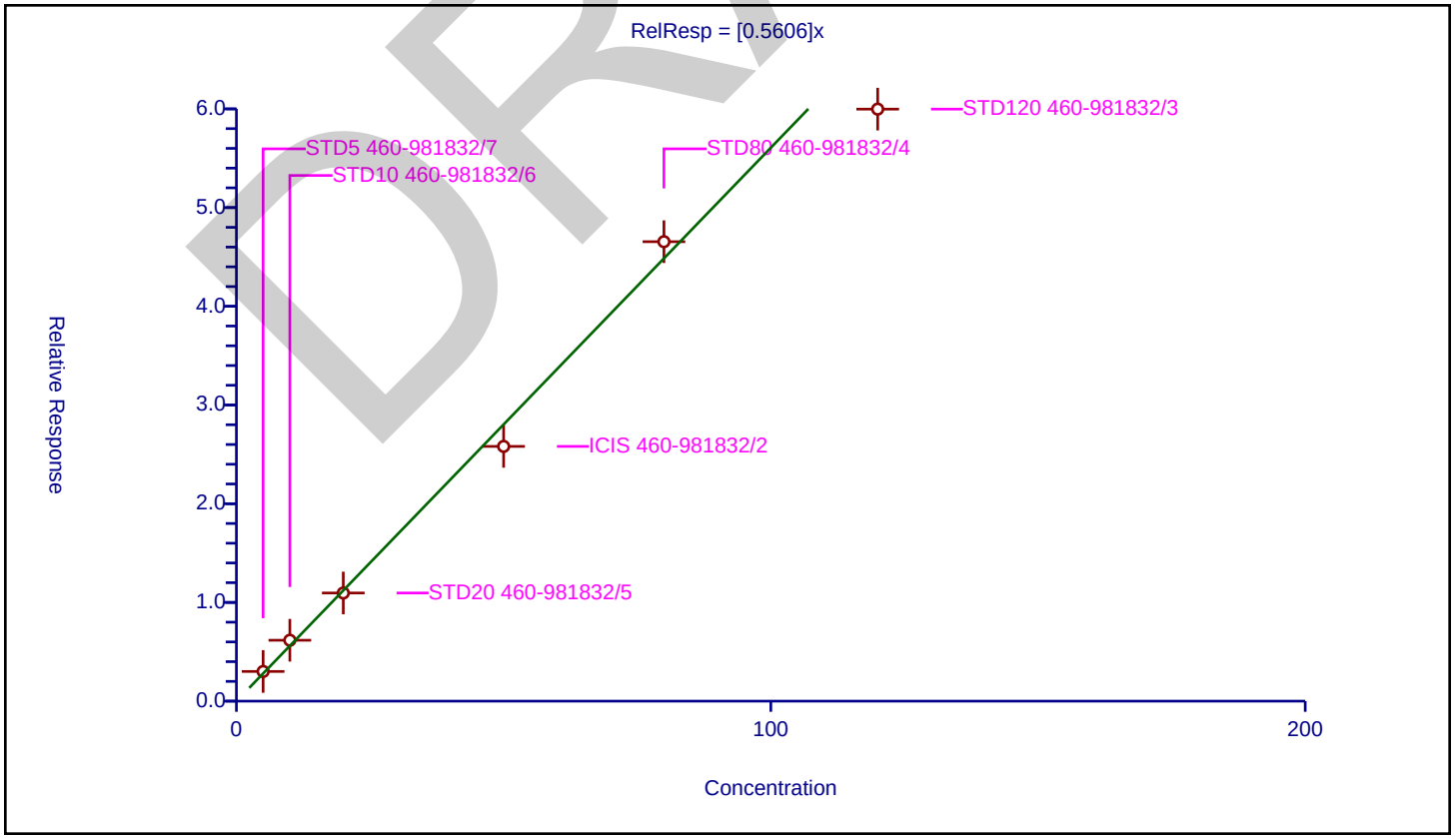
Curve Coefficients

Intercept:	0
Slope:	0.5606

Error Coefficients

Relative Standard Deviation:	8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	3.006276	40.0	978819.0	0.601255	Y
2	STD10 460-981832/6	10.0	6.170665	40.0	1013505.0	0.617067	Y
3	STD20 460-981832/5	20.0	10.954971	40.0	1035194.0	0.547749	Y
4	ICIS 460-981832/2	50.0	25.808828	40.0	974651.0	0.516177	Y
5	STD80 460-981832/4	80.0	46.546962	40.0	1010655.0	0.581837	Y
6	STD120 460-981832/3	120.0	59.975642	40.0	889221.0	0.499797	Y



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Calibration / Pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

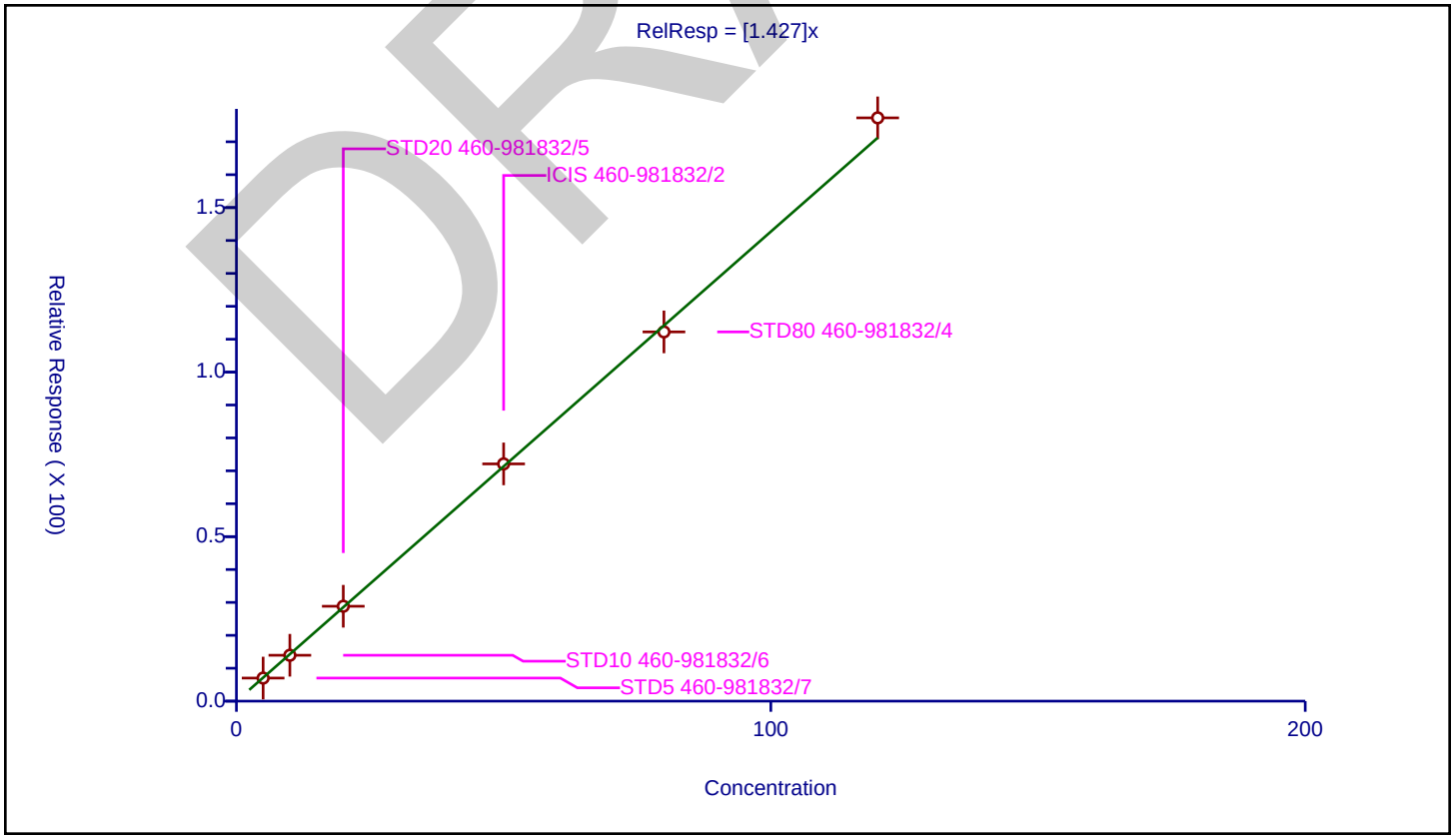
Curve Coefficients

Intercept:	0
Slope:	1.427

Error Coefficients

Relative Standard Deviation:	2.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	7.013479	40.0	780480.0	1.402696	Y
2	STD10 460-981832/6	10.0	13.94395	40.0	848890.0	1.394395	Y
3	STD20 460-981832/5	20.0	28.839651	40.0	835981.0	1.441983	Y
4	ICIS 460-981832/2	50.0	72.106323	40.0	818108.0	1.442126	Y
5	STD80 460-981832/4	80.0	112.224469	40.0	848580.0	1.402806	Y
6	STD120 460-981832/3	120.0	177.274759	40.0	720406.0	1.47729	Y



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Calibration / Bisphenol-A

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

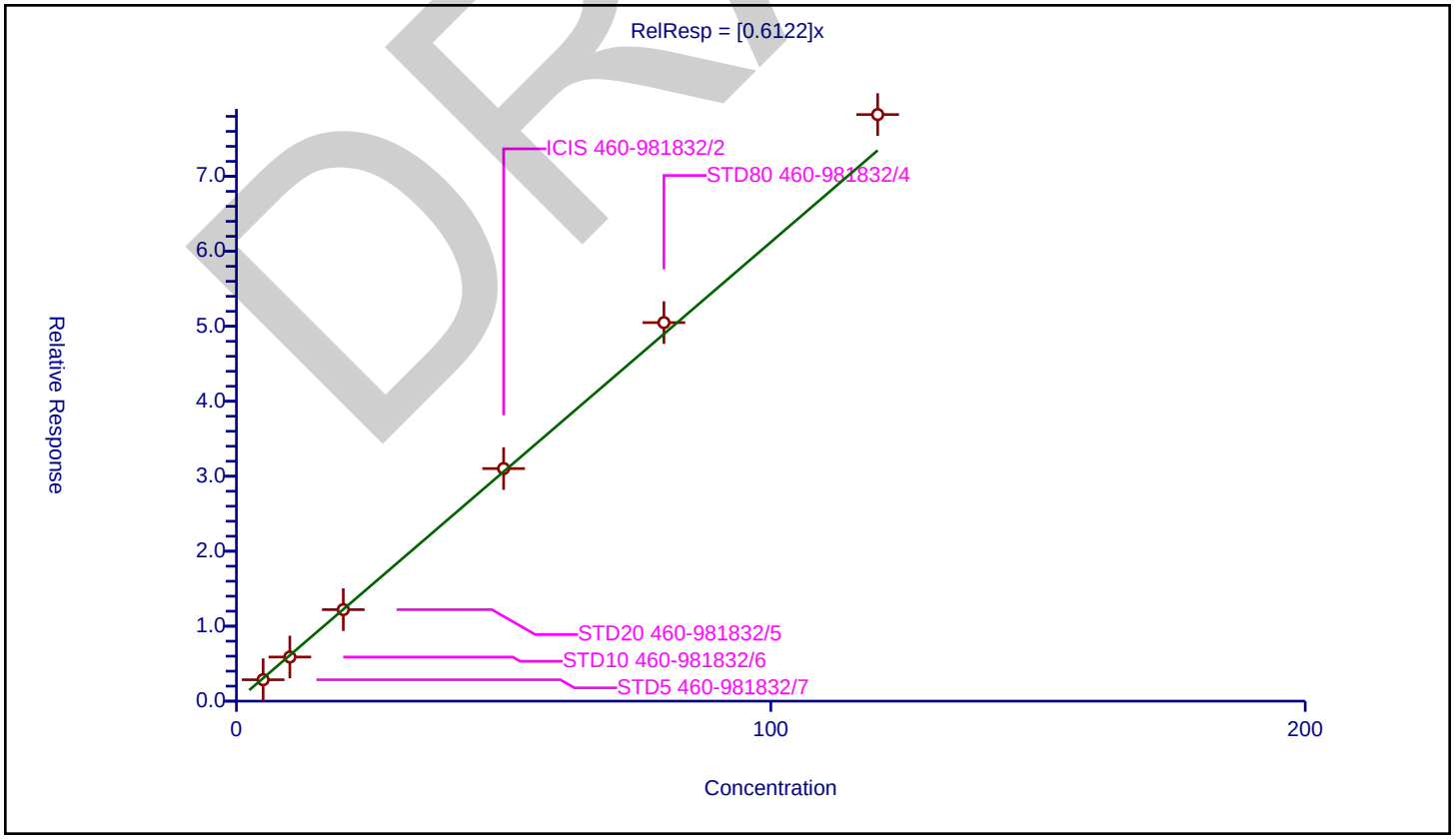
Curve Coefficients

Intercept:	0
Slope:	0.6122

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	2.854705	40.0	780480.0	0.570941	Y
2	STD10 460-981832/6	10.0	5.883825	40.0	848890.0	0.588382	Y
3	STD20 460-981832/5	20.0	12.206928	40.0	835981.0	0.610346	Y
4	ICIS 460-981832/2	50.0	31.023141	40.0	818108.0	0.620463	Y
5	STD80 460-981832/4	80.0	50.494567	40.0	848580.0	0.631182	Y
6	STD120 460-981832/3	120.0	78.244768	40.0	720406.0	0.65204	Y



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Calibration / Terphenyl-d14

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

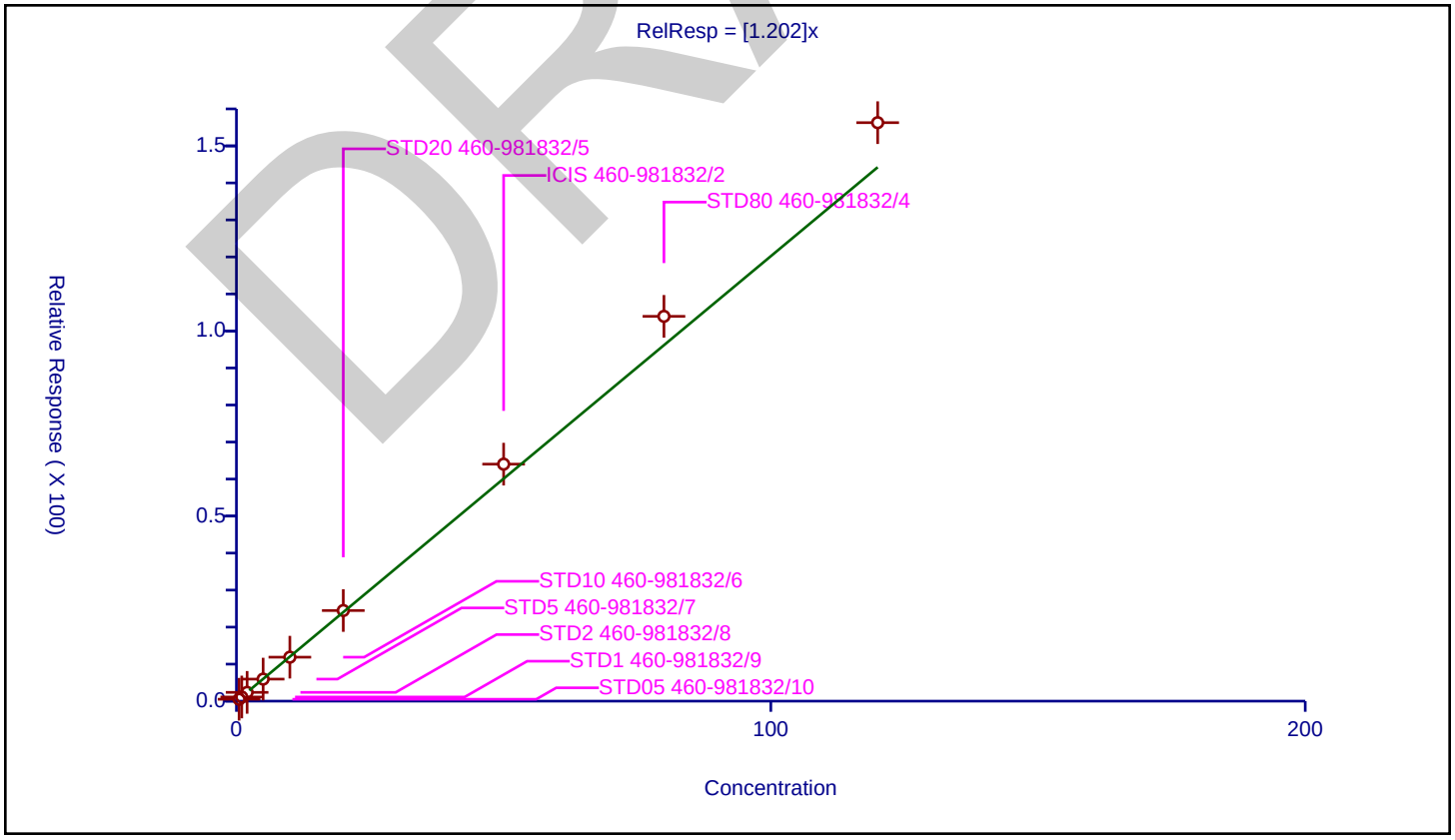
Curve Coefficients

Intercept:	0
Slope:	1.202

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD05 460-981832/10	0.5	0.5157	40.0	780609.0	1.0314	Y
2	STD1 460-981832/9	1.0	1.116398	40.0	785347.0	1.116398	Y
3	STD2 460-981832/8	2.0	2.37154	40.0	804237.0	1.18577	Y
4	STD5 460-981832/7	5.0	5.95449	40.0	780480.0	1.190898	Y
5	STD10 460-981832/6	10.0	11.875932	40.0	848890.0	1.187593	Y
6	STD20 460-981832/5	20.0	24.479312	40.0	835981.0	1.223966	Y
7	ICIS 460-981832/2	50.0	64.026265	40.0	818108.0	1.280525	Y
8	STD80 460-981832/4	80.0	103.953711	40.0	848580.0	1.299421	Y
9	STD120 460-981832/3	120.0	156.281208	40.0	720406.0	1.302343	Y



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Calibration / Butyl benzyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

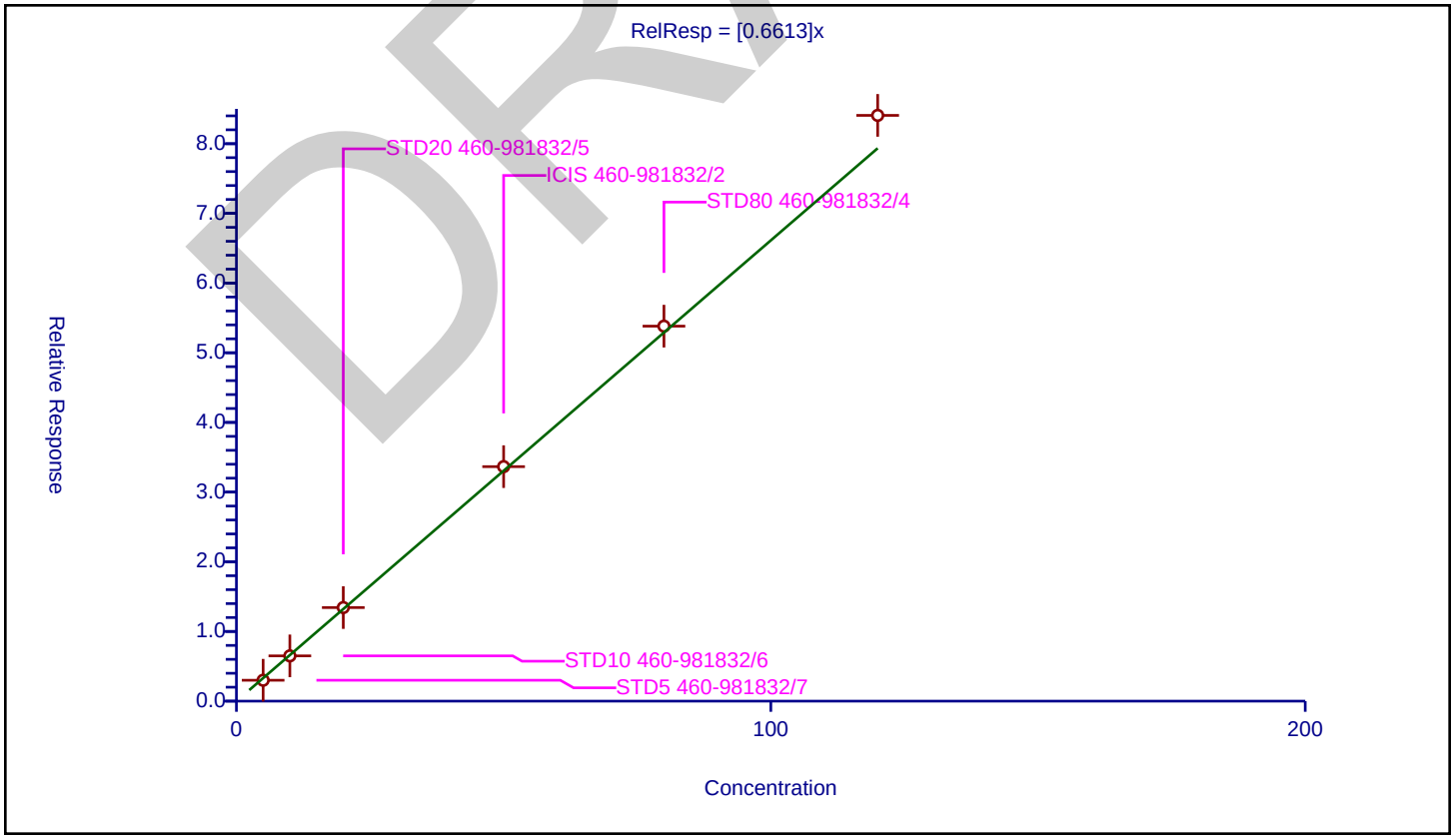
Curve Coefficients

Intercept:	0
Slope:	0.6613

Error Coefficients

Relative Standard Deviation:	5.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	2.999436	40.0	780480.0	0.599887	Y
2	STD10 460-981832/6	10.0	6.496437	40.0	848890.0	0.649644	Y
3	STD20 460-981832/5	20.0	13.430162	40.0	835981.0	0.671508	Y
4	ICIS 460-981832/2	50.0	33.657268	40.0	818108.0	0.673145	Y
5	STD80 460-981832/4	80.0	53.81951	40.0	848580.0	0.672744	Y
6	STD120 460-981832/3	120.0	84.068817	40.0	720406.0	0.700573	Y



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Calibration / 2,3,7,8-TCDD

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

Curve Coefficients

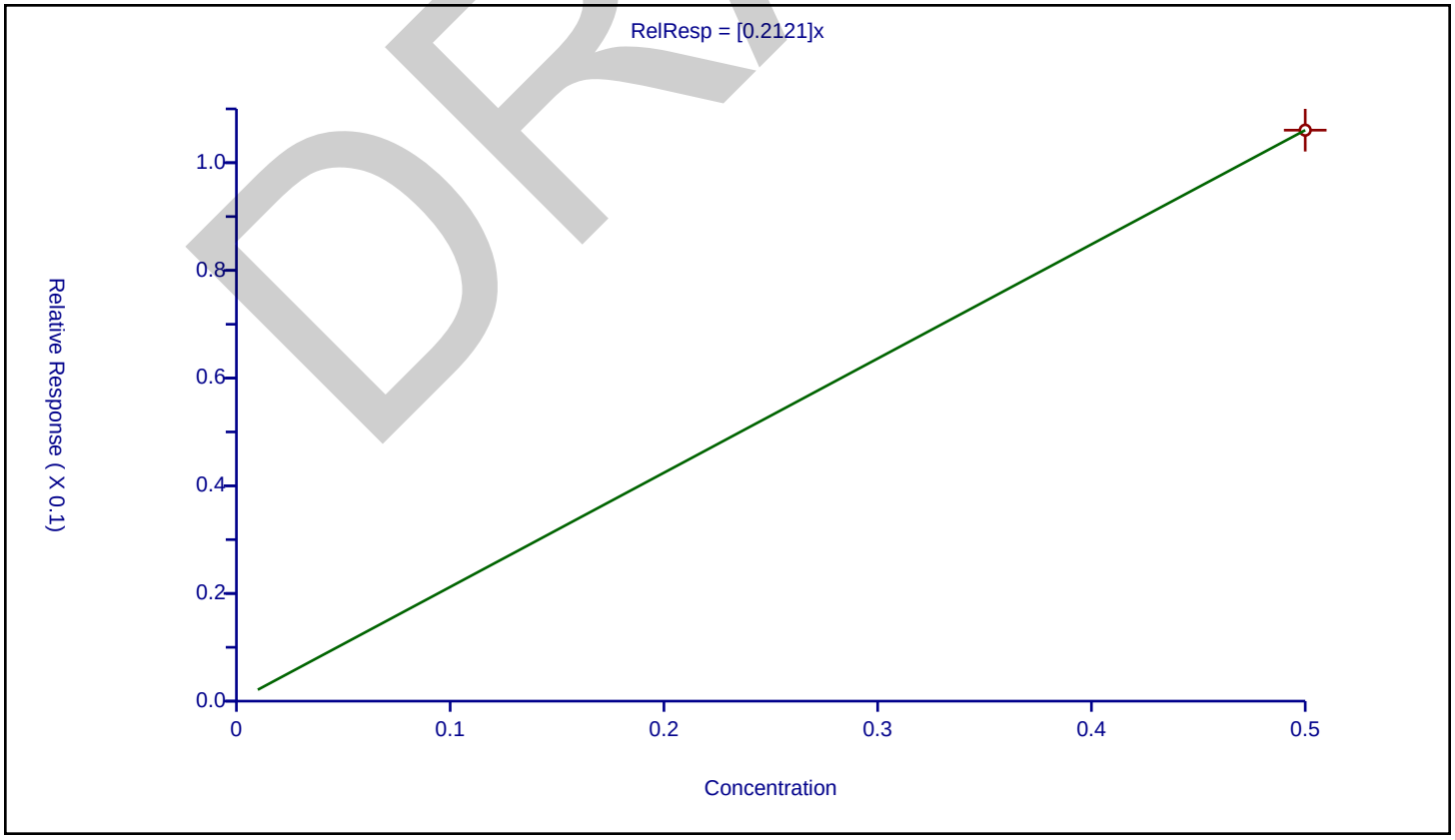
Intercept:	0
Slope:	0.2121

Error Coefficients

Relative Standard Deviation:	0.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	ICIS 460-981832/2	0.5	0.10605	40.0	818108.0	0.212099	Y

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Calibration / Carbamazepine

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

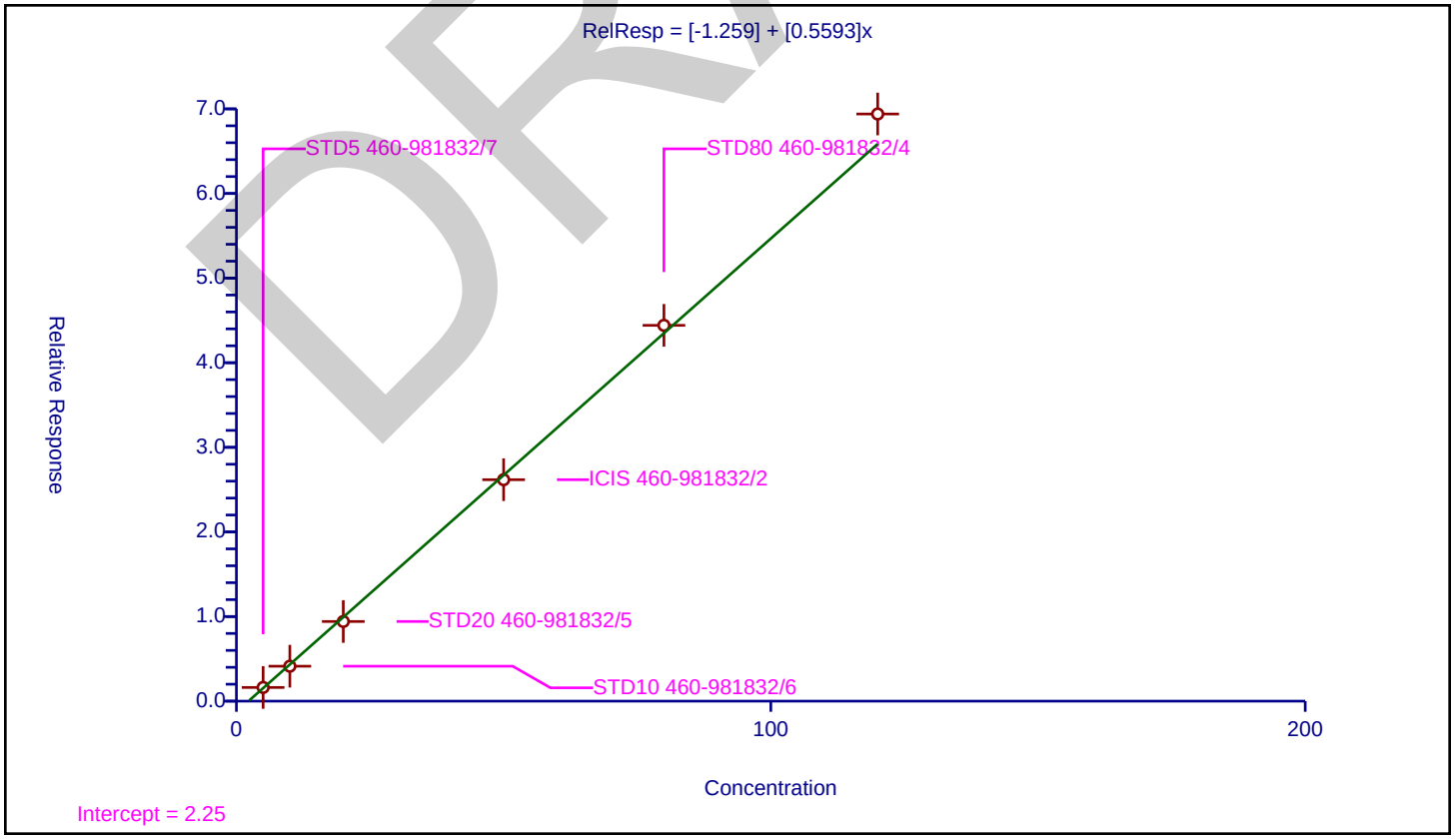
Curve Coefficients

Intercept:	-1.259
Slope:	0.5593

Error Coefficients

Relative Standard Deviation:	4.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	1.616287	40.0	780480.0	0.323257	Y
2	STD10 460-981832/6	10.0	4.128591	40.0	848890.0	0.412859	Y
3	STD20 460-981832/5	20.0	9.415238	40.0	835981.0	0.470762	Y
4	ICIS 460-981832/2	50.0	26.173366	40.0	818108.0	0.523467	Y
5	STD80 460-981832/4	80.0	44.416696	40.0	848580.0	0.555209	Y
6	STD120 460-981832/3	120.0	69.394536	40.0	720406.0	0.578288	Y



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Calibration / 3,3'-Dichlorobenzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

Curve Coefficients

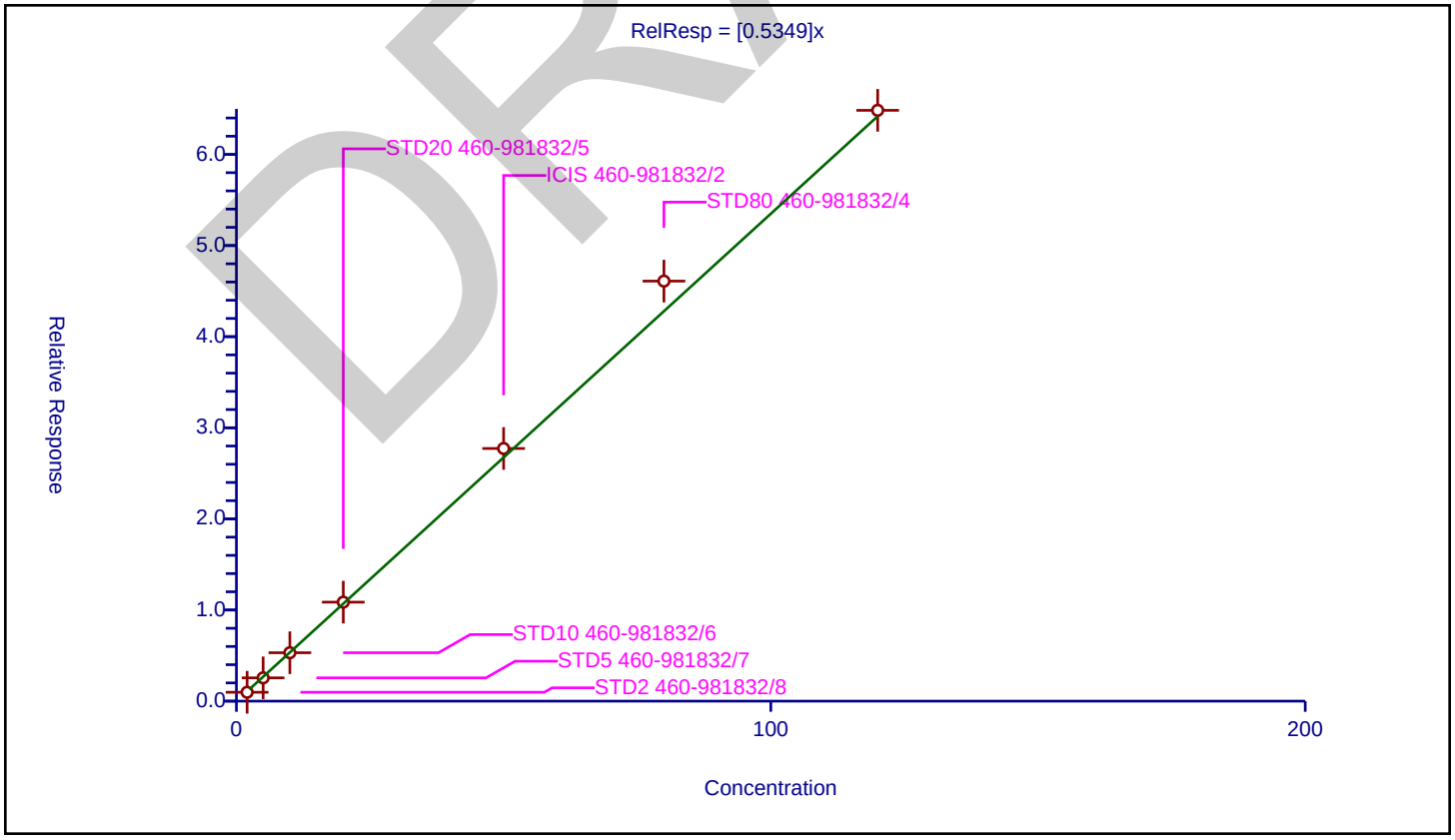
Intercept:	0
Slope:	0.5349

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 460-981832/8	2.0	0.974588	40.0	804237.0	0.487294	Y
2	STD5 460-981832/7	5.0	2.557503	40.0	780480.0	0.511501	Y
3	STD10 460-981832/6	10.0	5.312255	40.0	848890.0	0.531225	Y
4	STD20 460-981832/5	20.0	10.864984	40.0	835981.0	0.543249	Y
5	ICIS 460-981832/2	50.0	27.728711	40.0	818108.0	0.554574	Y
6	STD80 460-981832/4	80.0	46.098329	40.0	848580.0	0.576229	Y
7	STD120 460-981832/3	120.0	64.842825	40.0	720406.0	0.540357	Y

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Calibration / Benzo[a]anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

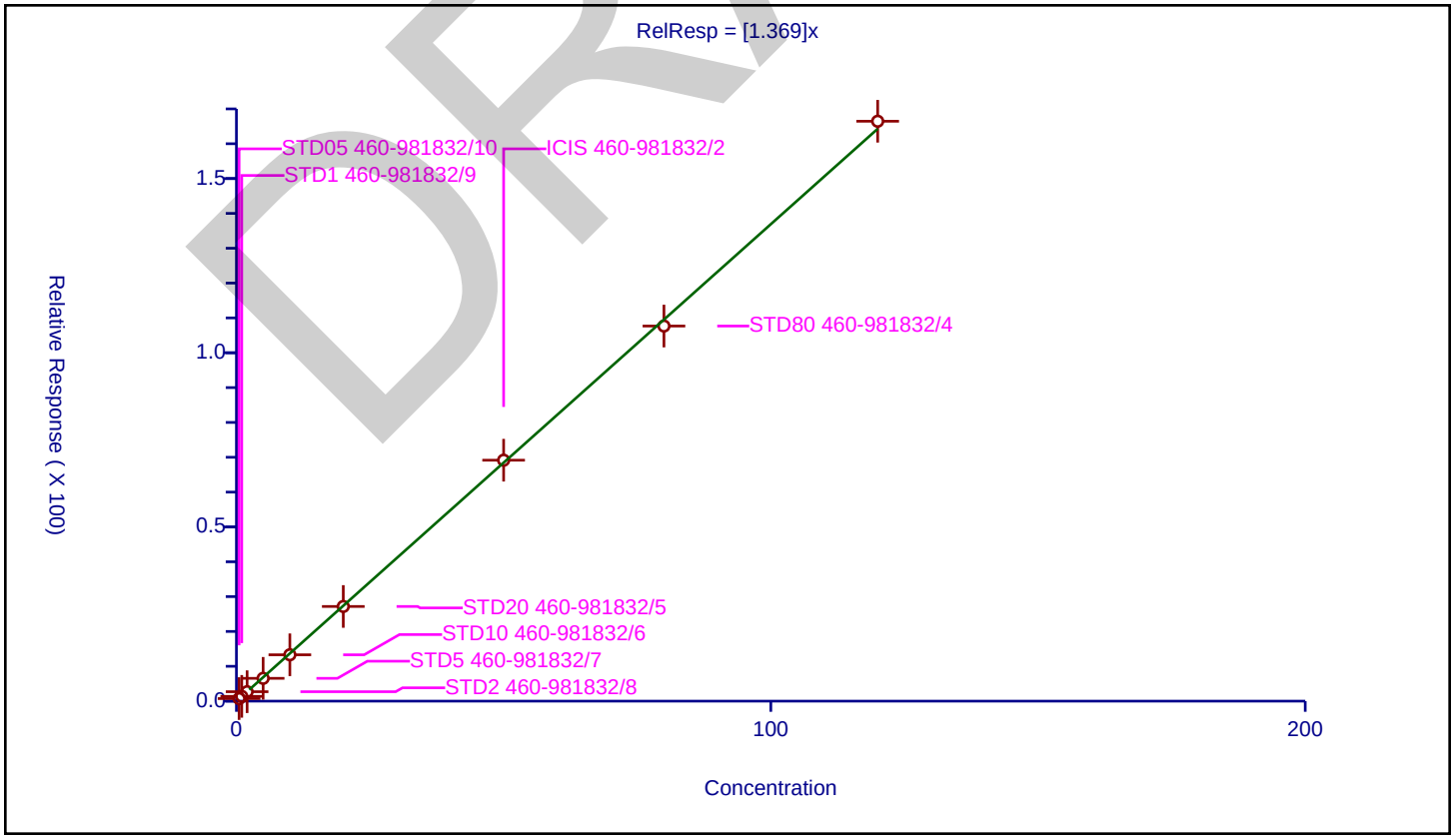
Curve Coefficients

Intercept:	0
Slope:	1.369

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD05 460-981832/10	0.5	0.739833	40.0	780609.0	1.479665	Y
2	STD1 460-981832/9	1.0	1.372642	40.0	785347.0	1.372642	Y
3	STD2 460-981832/8	2.0	2.706914	40.0	804237.0	1.353457	Y
4	STD5 460-981832/7	5.0	6.548175	40.0	780480.0	1.309635	Y
5	STD10 460-981832/6	10.0	13.304056	40.0	848890.0	1.330406	Y
6	STD20 460-981832/5	20.0	27.177268	40.0	835981.0	1.358863	Y
7	ICIS 460-981832/2	50.0	69.160893	40.0	818108.0	1.383218	Y
8	STD80 460-981832/4	80.0	107.670131	40.0	848580.0	1.345877	Y
9	STD120 460-981832/3	120.0	166.453583	40.0	720406.0	1.387113	Y



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Calibration / Chrysene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

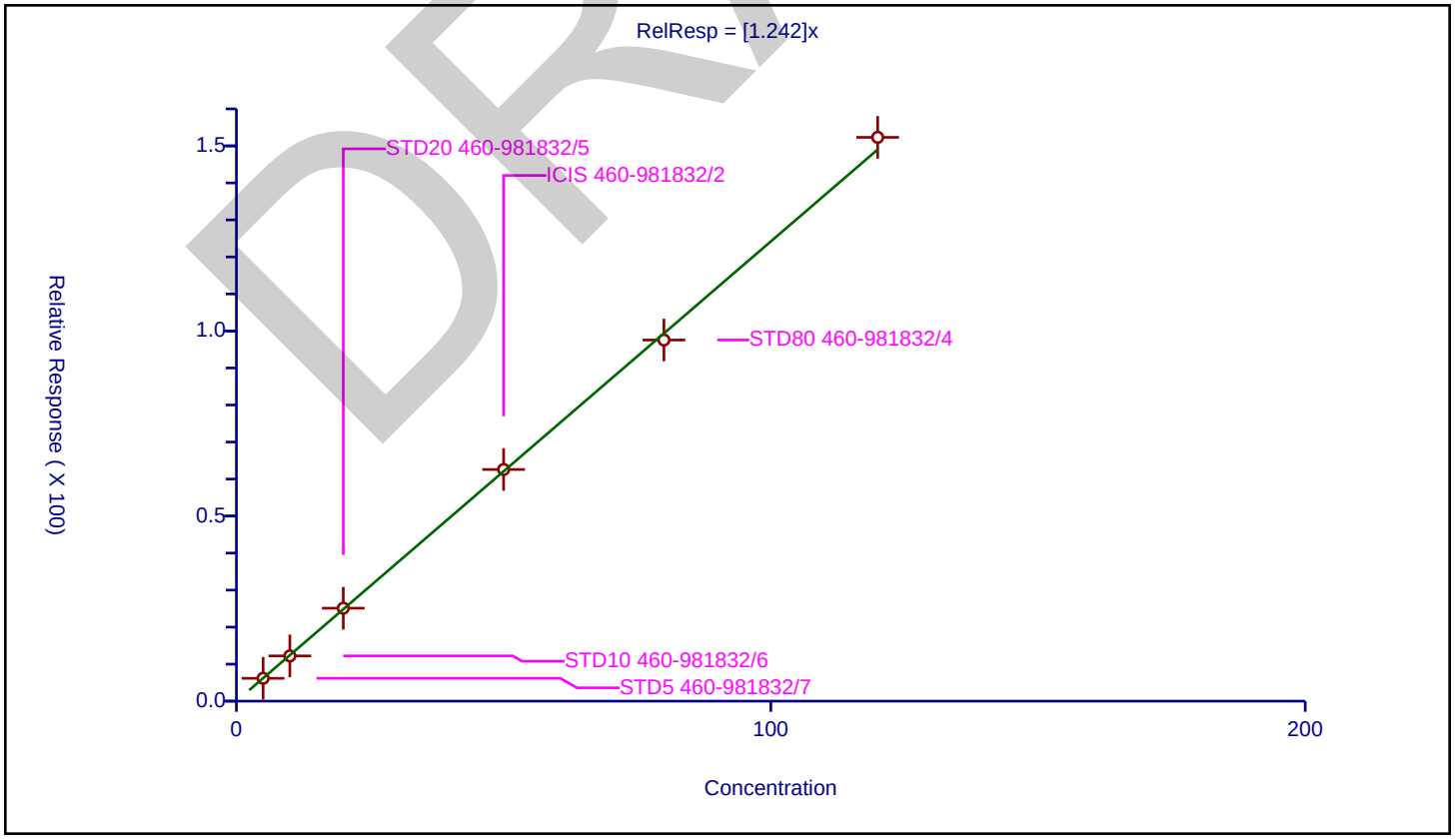
Curve Coefficients

Intercept:	0
Slope:	1.242

Error Coefficients

Relative Standard Deviation:	1.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	6.166769	40.0	780480.0	1.233354	Y
2	STD10 460-981832/6	10.0	12.219864	40.0	848890.0	1.221986	Y
3	STD20 460-981832/5	20.0	25.109422	40.0	835981.0	1.255471	Y
4	ICIS 460-981832/2	50.0	62.581077	40.0	818108.0	1.251622	Y
5	STD80 460-981832/4	80.0	97.559971	40.0	848580.0	1.2195	Y
6	STD120 460-981832/3	120.0	152.310558	40.0	720406.0	1.269255	Y



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Calibration / Bis(2-ethylhexyl) phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

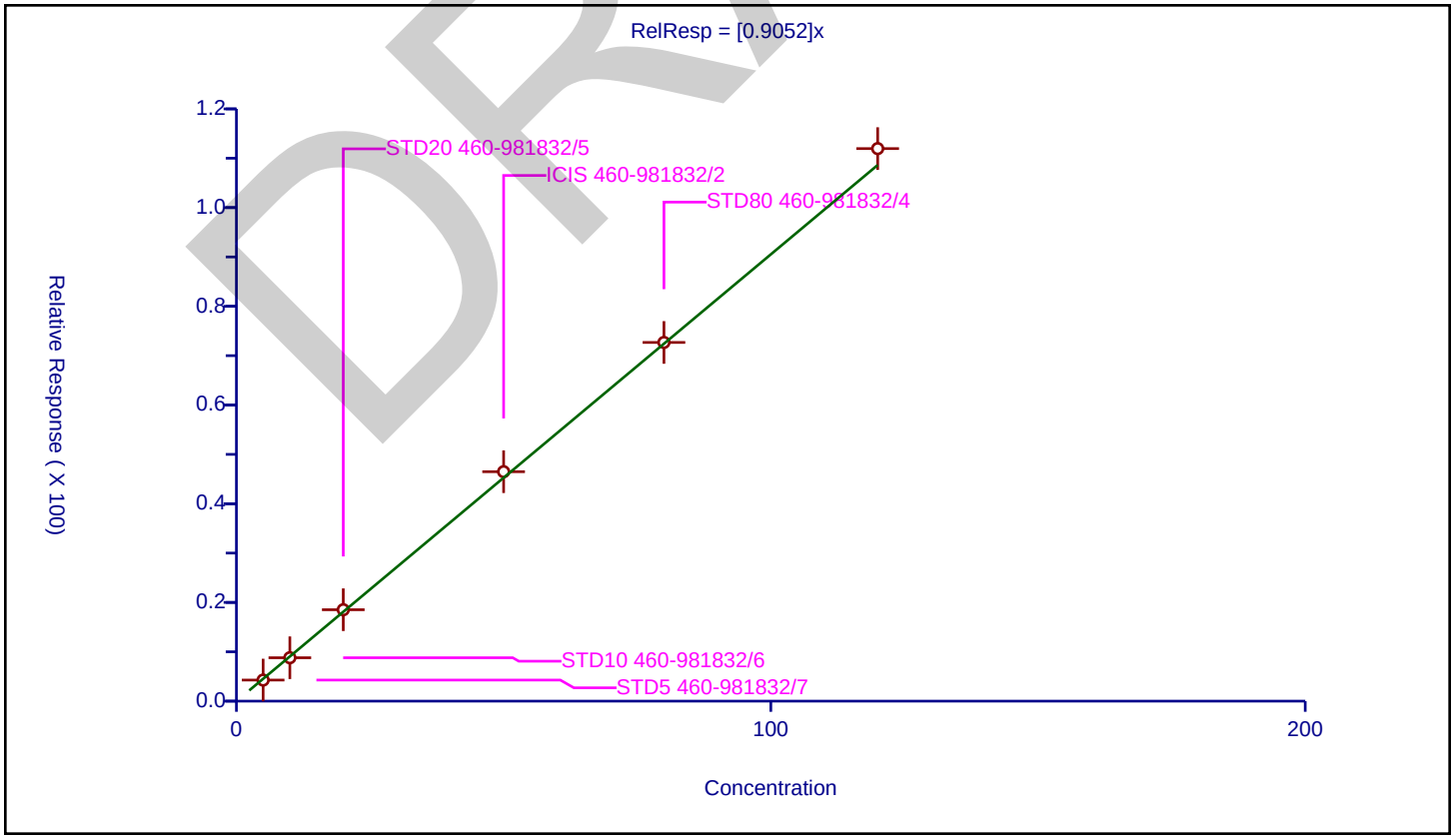
Curve Coefficients

Intercept:	0
Slope:	0.9052

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	4.273011	40.0	780480.0	0.854602	Y
2	STD10 460-981832/6	10.0	8.793931	40.0	848890.0	0.879393	Y
3	STD20 460-981832/5	20.0	18.521139	40.0	835981.0	0.926057	Y
4	ICIS 460-981832/2	50.0	46.485745	40.0	818108.0	0.929715	Y
5	STD80 460-981832/4	80.0	72.679724	40.0	848580.0	0.908497	Y
6	STD120 460-981832/3	120.0	111.955092	40.0	720406.0	0.932959	Y



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Calibration / Di-n-octyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

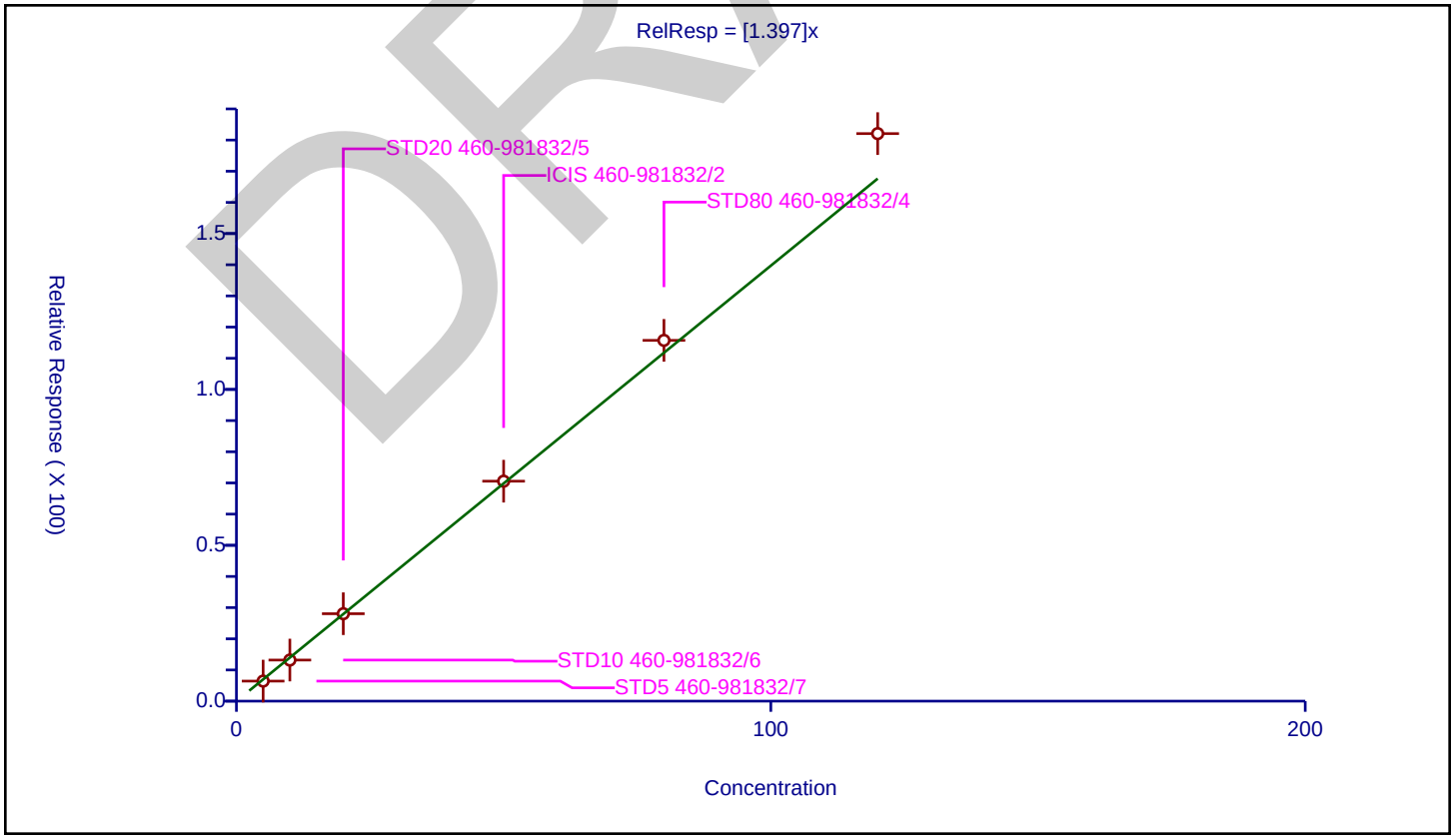
Curve Coefficients

Intercept:	0
Slope:	1.397

Error Coefficients

Relative Standard Deviation:	6.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981832/7	5.0	6.428199	40.0	870166.0	1.28564	Y
2	STD10 460-981832/6	10.0	13.182636	40.0	979534.0	1.318264	Y
3	STD20 460-981832/5	20.0	28.046261	40.0	950270.0	1.402313	Y
4	ICIS 460-981832/2	50.0	70.561828	40.0	949828.0	1.411237	Y
5	STD80 460-981832/4	80.0	115.739156	40.0	955604.0	1.446739	Y
6	STD120 460-981832/3	120.0	182.072711	40.0	797352.0	1.517273	Y



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Calibration / Benzo[b]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

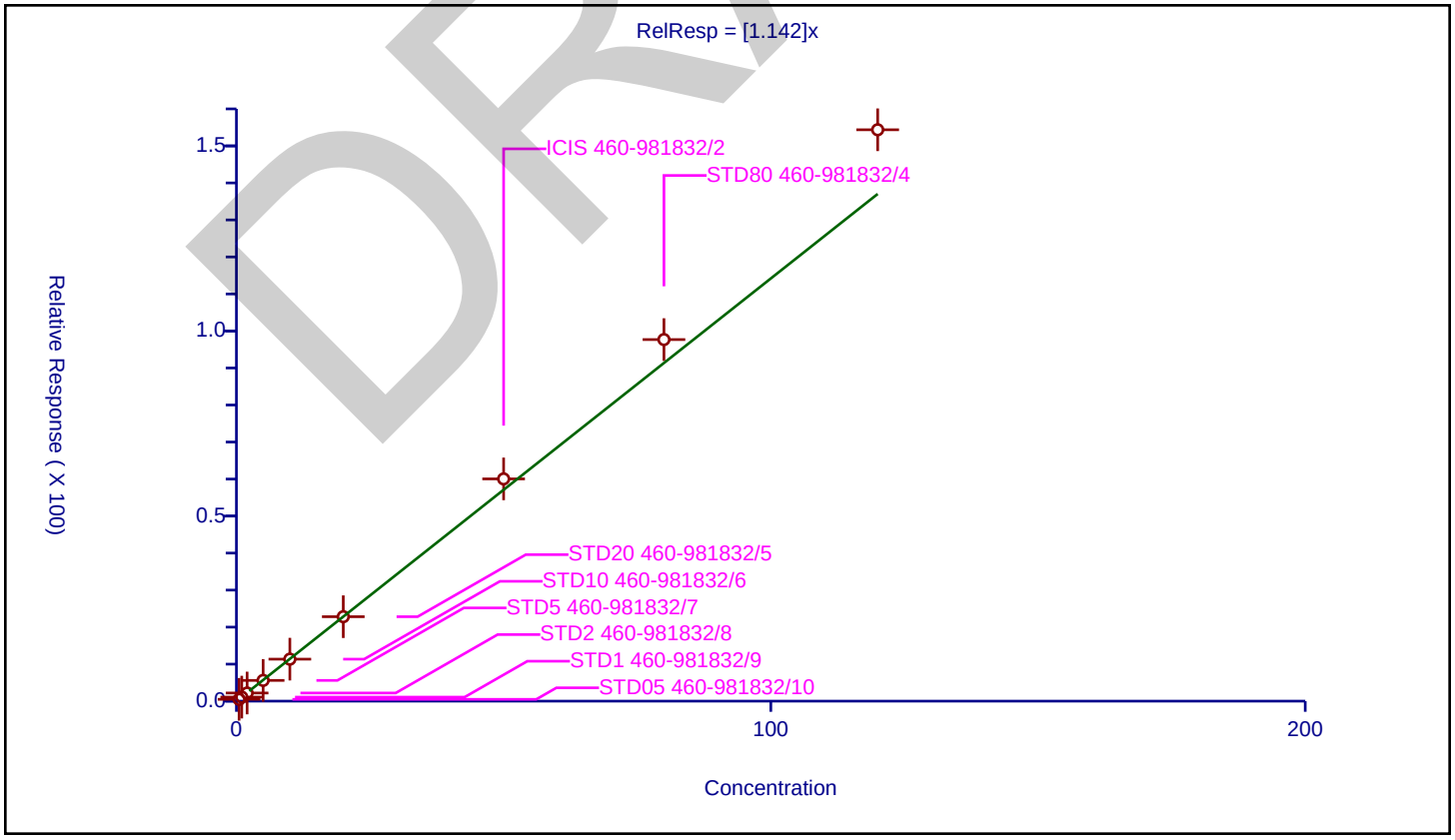
Curve Coefficients

Intercept:	0
Slope:	1.142

Error Coefficients

Relative Standard Deviation:	7.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD05 460-981832/10	0.5	0.492139	40.0	904135.0	0.984278	Y
2	STD1 460-981832/9	1.0	1.088629	40.0	895769.0	1.088629	Y
3	STD2 460-981832/8	2.0	2.199436	40.0	940714.0	1.099718	Y
4	STD5 460-981832/7	5.0	5.603161	40.0	870166.0	1.120632	Y
5	STD10 460-981832/6	10.0	11.34417	40.0	979534.0	1.134417	Y
6	STD20 460-981832/5	20.0	22.815368	40.0	950270.0	1.140768	Y
7	ICIS 460-981832/2	50.0	60.040807	40.0	949828.0	1.200816	Y
8	STD80 460-981832/4	80.0	97.68109	40.0	955604.0	1.221014	Y
9	STD120 460-981832/3	120.0	154.360584	40.0	797352.0	1.286338	Y



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Calibration / Benzo[k]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

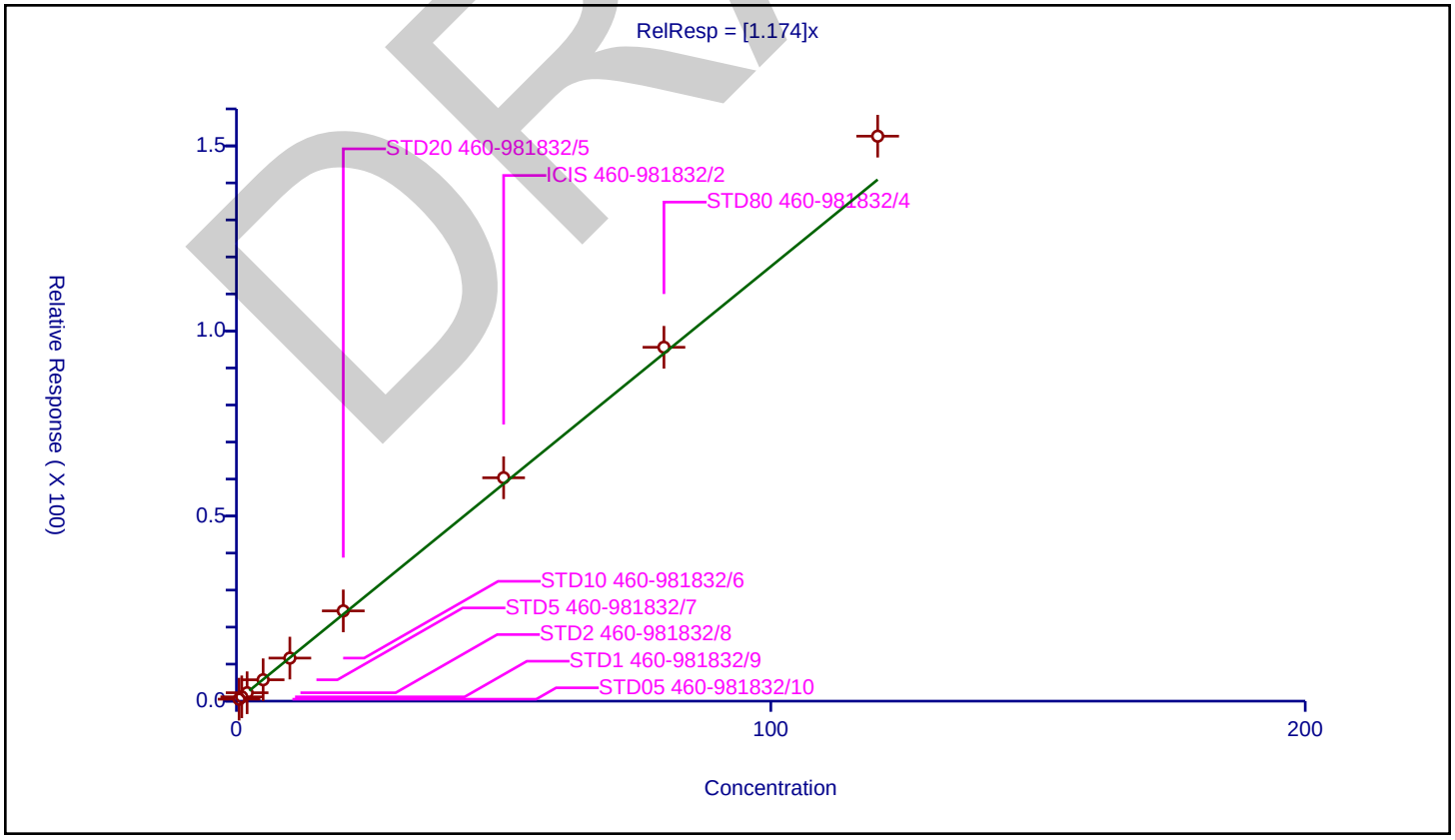
Curve Coefficients

Intercept:	0
Slope:	1.174

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD05 460-981832/10	0.5	0.531292	40.0	904135.0	1.062585	Y
2	STD1 460-981832/9	1.0	1.158468	40.0	895769.0	1.158468	Y
3	STD2 460-981832/8	2.0	2.270148	40.0	940714.0	1.135074	Y
4	STD5 460-981832/7	5.0	5.774438	40.0	870166.0	1.154888	Y
5	STD10 460-981832/6	10.0	11.63051	40.0	979534.0	1.163051	Y
6	STD20 460-981832/5	20.0	24.381197	40.0	950270.0	1.21906	Y
7	ICIS 460-981832/2	50.0	60.34381	40.0	949828.0	1.206876	Y
8	STD80 460-981832/4	80.0	95.603493	40.0	955604.0	1.195044	Y
9	STD120 460-981832/3	120.0	152.629604	40.0	797352.0	1.271913	Y



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Calibration / Benzo[a]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

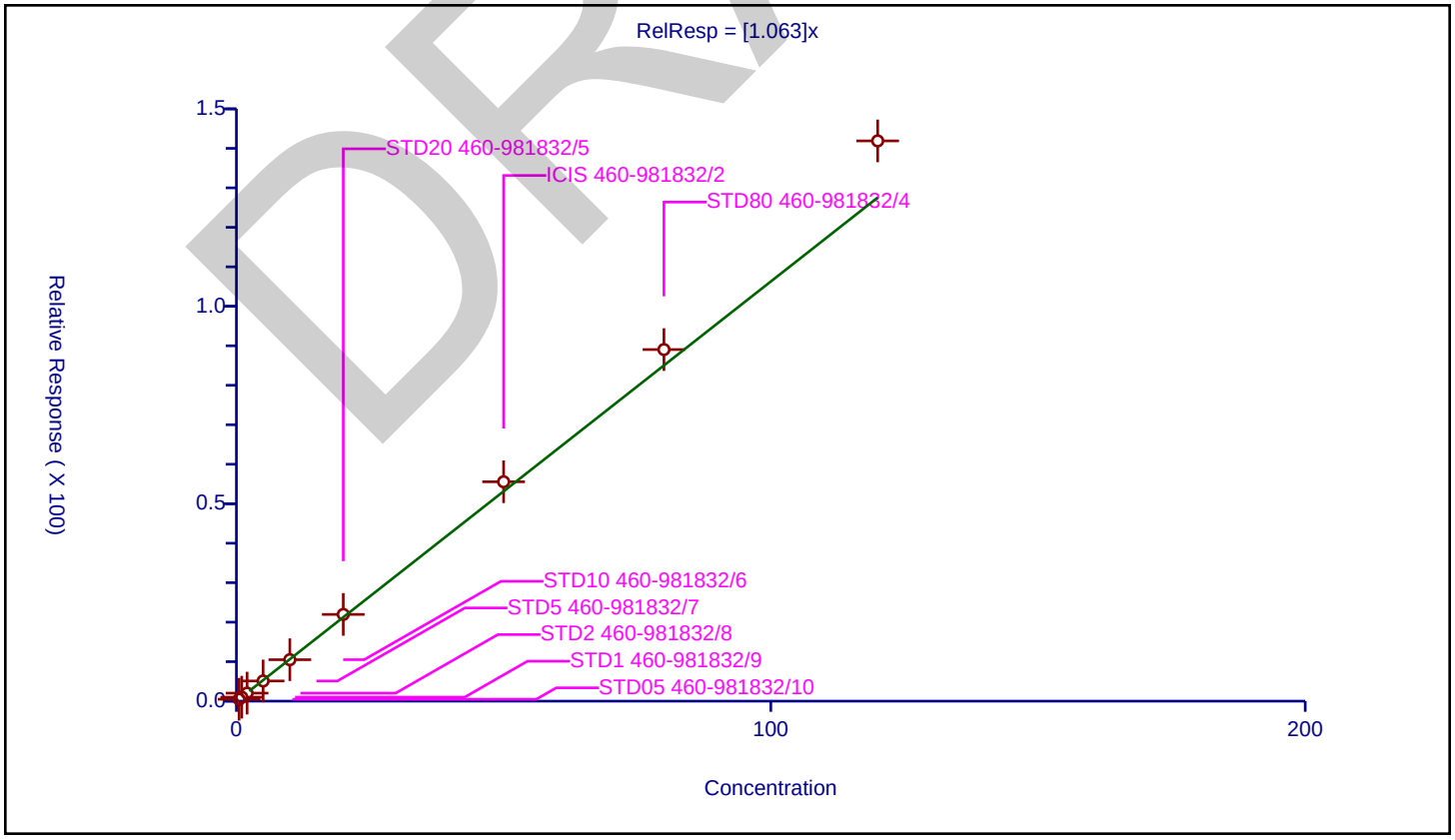
Curve Coefficients

Intercept:	0
Slope:	1.063

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD05 460-981832/10	0.5	0.483202	40.0	904135.0	0.966404	Y
2	STD1 460-981832/9	1.0	1.004455	40.0	895769.0	1.004455	Y
3	STD2 460-981832/8	2.0	2.034242	40.0	940714.0	1.017121	Y
4	STD5 460-981832/7	5.0	5.11222	40.0	870166.0	1.022444	Y
5	STD10 460-981832/6	10.0	10.499197	40.0	979534.0	1.04992	Y
6	STD20 460-981832/5	20.0	21.965968	40.0	950270.0	1.098298	Y
7	ICIS 460-981832/2	50.0	55.559954	40.0	949828.0	1.111199	Y
8	STD80 460-981832/4	80.0	89.045337	40.0	955604.0	1.113067	Y
9	STD120 460-981832/3	120.0	141.892314	40.0	797352.0	1.182436	Y



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Calibration / Indeno[1,2,3-cd]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

Curve Coefficients

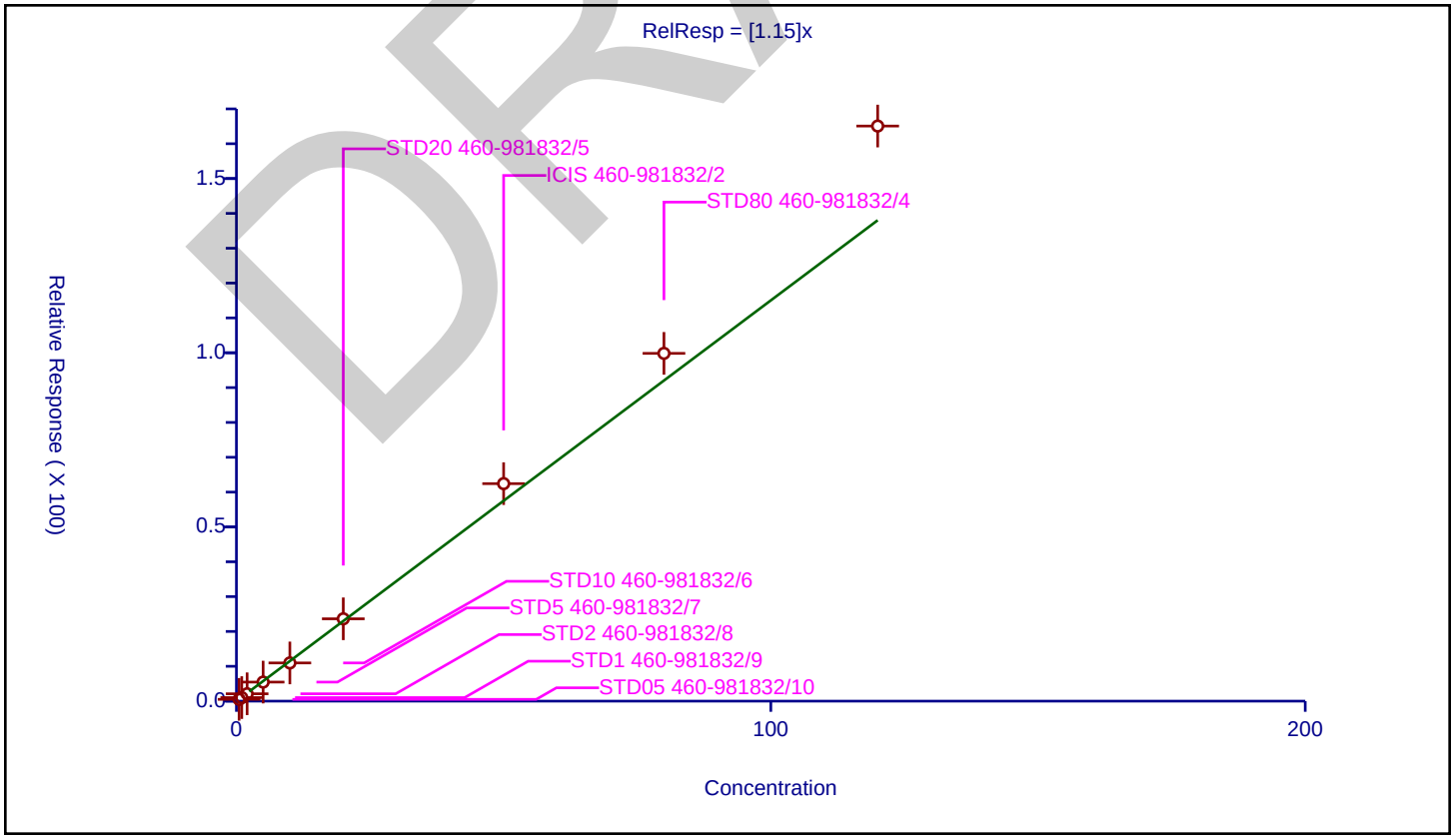
Intercept:	0
Slope:	1.15

Error Coefficients

Relative Standard Deviation:	10.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD05 460-981832/10	0.5	0.515277	40.0	904135.0	1.030554	Y
2	STD1 460-981832/9	1.0	1.019504	40.0	895769.0	1.019504	Y
3	STD2 460-981832/8	2.0	2.113331	40.0	940714.0	1.056665	Y
4	STD5 460-981832/7	5.0	5.473346	40.0	870166.0	1.094669	Y
5	STD10 460-981832/6	10.0	10.970237	40.0	979534.0	1.097024	Y
6	STD20 460-981832/5	20.0	23.63825	40.0	950270.0	1.181913	Y
7	ICIS 460-981832/2	50.0	62.432525	40.0	949828.0	1.24865	Y
8	STD80 460-981832/4	80.0	99.823525	40.0	955604.0	1.247794	Y
9	STD120 460-981832/3	120.0	165.0755	40.0	797352.0	1.375629	Y

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Calibration / Dibenz(a,h)anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

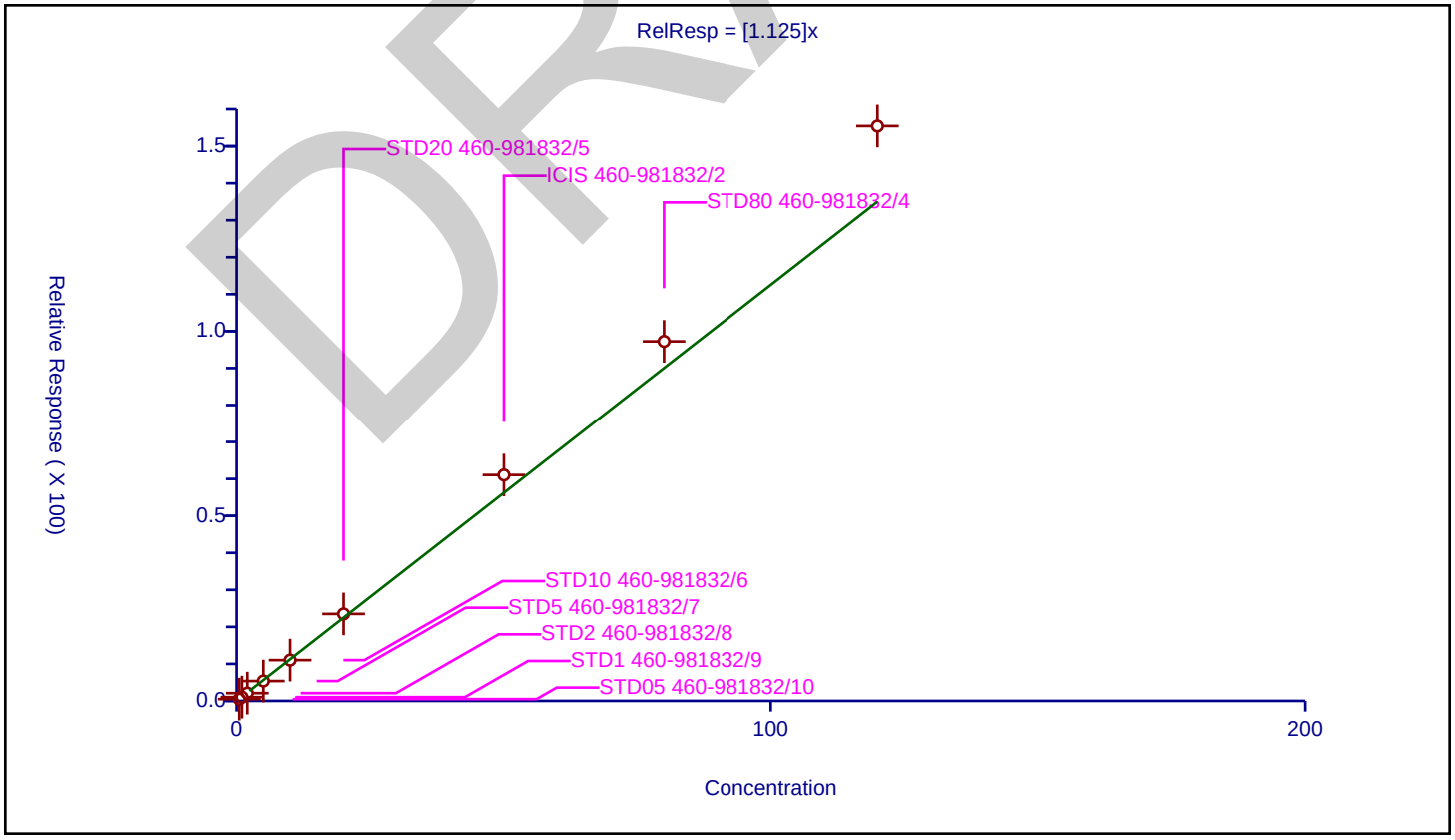
Curve Coefficients

Intercept:	0
Slope:	1.125

Error Coefficients

Relative Standard Deviation:	9.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD05 460-981832/10	0.5	0.483335	40.0	904135.0	0.96667	Y
2	STD1 460-981832/9	1.0	1.023701	40.0	895769.0	1.023701	Y
3	STD2 460-981832/8	2.0	2.107378	40.0	940714.0	1.053689	Y
4	STD5 460-981832/7	5.0	5.367941	40.0	870166.0	1.073588	Y
5	STD10 460-981832/6	10.0	11.017157	40.0	979534.0	1.101716	Y
6	STD20 460-981832/5	20.0	23.500647	40.0	950270.0	1.175032	Y
7	ICIS 460-981832/2	50.0	61.071015	40.0	949828.0	1.22142	Y
8	STD80 460-981832/4	80.0	97.227429	40.0	955604.0	1.215343	Y
9	STD120 460-981832/3	120.0	155.442264	40.0	797352.0	1.295352	Y



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Calibration / Benzo[g,h,i]perylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

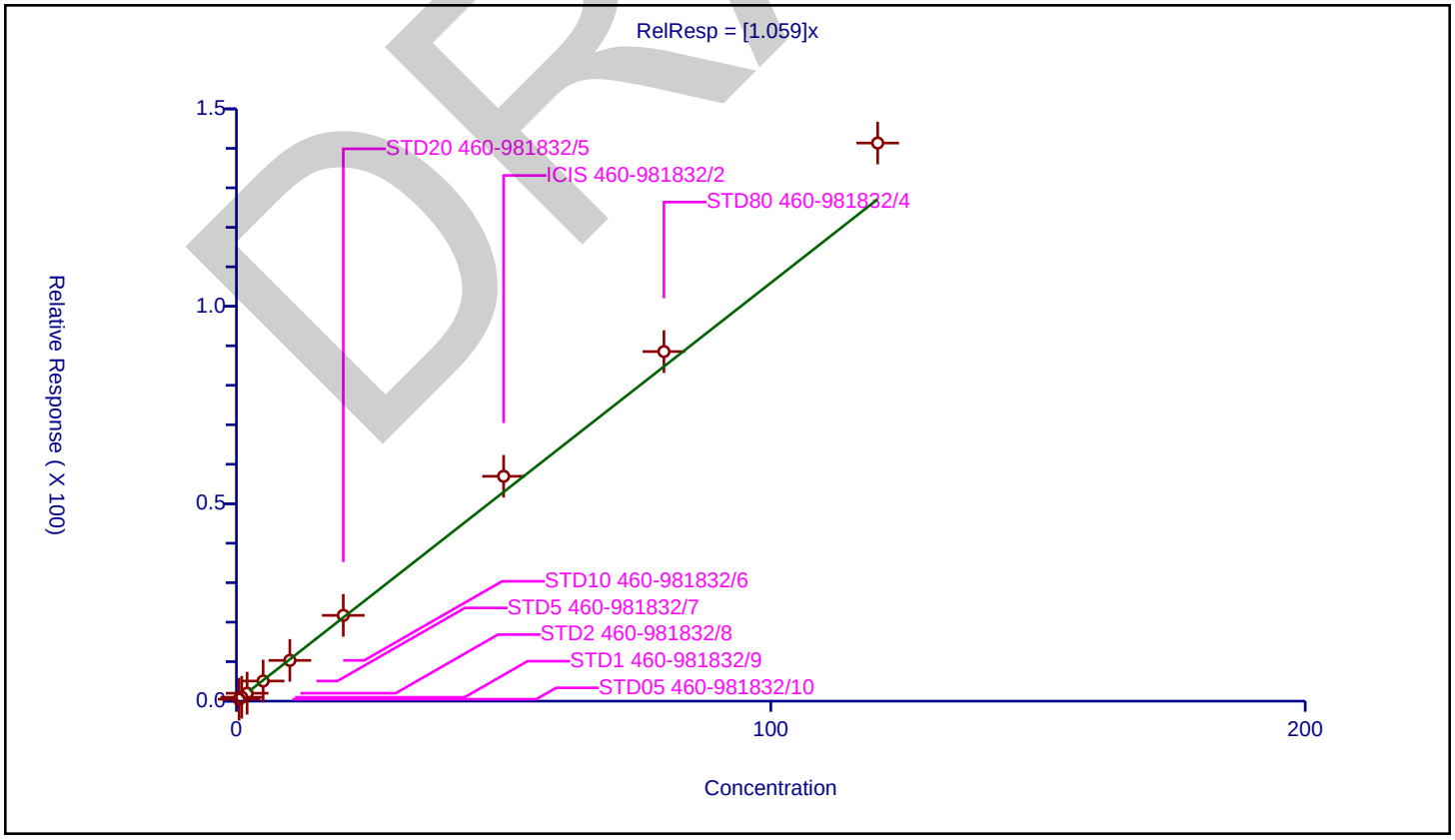
Curve Coefficients

Intercept:	0
Slope:	1.059

Error Coefficients

Relative Standard Deviation:	6.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD05 460-981832/10	0.5	0.490635	40.0	904135.0	0.981269	Y
2	STD1 460-981832/9	1.0	0.987889	40.0	895769.0	0.987889	Y
3	STD2 460-981832/8	2.0	2.009155	40.0	940714.0	1.004577	Y
4	STD5 460-981832/7	5.0	5.094108	40.0	870166.0	1.018822	Y
5	STD10 460-981832/6	10.0	10.316007	40.0	979534.0	1.031601	Y
6	STD20 460-981832/5	20.0	21.727341	40.0	950270.0	1.086367	Y
7	ICIS 460-981832/2	50.0	56.952206	40.0	949828.0	1.139044	Y
8	STD80 460-981832/4	80.0	88.539437	40.0	955604.0	1.106743	Y
9	STD120 460-981832/3	120.0	141.352075	40.0	797352.0	1.177934	Y



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FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-307050-1 Analy Batch No.: 981853

SDG No.:

Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2024 08:05 Calibration End Date: 06/24/2024 11:06 Calibration ID: 97972

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 460-981853/10	L37512.d
Level 2	STD1 460-981853/9	L37511.d
Level 3	STD2 460-981853/8	L37510.d
Level 4	STD5 460-981853/7	L37509.d
Level 5	STD10 460-981853/6	L37508.d
Level 6	STD20 460-981853/5	L37507.d
Level 7	ICIS 460-981853/2	L37504.d
Level 8	STD80 460-981853/4	L37506.d
Level 9	STD120 460-981853/3	L37505.d

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,4-Dioxane	0.6409 0.5415	0.6678 0.5522	0.5192 0.5403	0.5065 0.5706	0.5159	Ave		0.5617			0.0100	10.1		20.0			
N-Nitrosodimethylamine	0.8815	0.9844	0.9538	0.8032 0.9935	0.8578	Ave		0.9124			0.0100	8.4		20.0			
Pyridine	1.4025	1.1827 1.4019	1.2076 1.4113	1.3014 1.4580	1.3194	Ave		1.3356			0.0100	7.5		20.0			
Benzaldehyde	1.2275	1.0764 +++++	1.2268 +++++	1.2694 +++++	1.2828	Ave		1.2166			0.0100	6.8		20.0			
Phenol	1.8712	1.9317	1.8617	1.7419 1.8973	1.8288	Ave		1.8555			0.8000	3.5		20.0			
Aniline	2.1848	2.2141	2.1341	2.0231 2.1572	2.0979	Ave		2.1352			0.0100	3.2		20.0			
Bis(2-chloroethyl)ether	1.1517 1.3839	1.1997 1.4183	1.3090 1.3592	1.2768 1.3876	1.3544	Ave		1.3156			0.7000	6.9		20.0			
2-Chlorophenol	1.4573	1.4866	1.4257	1.3858 1.4482	1.4215	Ave		1.4375			0.8000	2.4		20.0			
n-Decane	1.6361	1.6525	1.5038	1.6220 1.5221	1.6425	Ave		1.5965			0.0100	4.1		20.0			
1,3-Dichlorobenzene	1.5255	1.5135	1.4496	1.4625 1.4793	1.5101	Ave		1.4901			0.0100	2.1		20.0			
1,4-Dichlorobenzene	1.5060	1.5175	1.4540	1.4950 1.4766	1.4972	Ave		1.4911			0.0100	1.5		20.0			
Benzyl alcohol	0.9279	0.9730	0.9271	0.8522 0.9619	0.8999	Ave		0.9237			0.0100	4.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-307050-1 Analy Batch No.: 981853

SDG No.:

Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2024 08:05 Calibration End Date: 06/24/2024 11:06 Calibration ID: 97972

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
1,2-Dichlorobenzene	1.4475	1.4546	1.3982	1.4208 1.4325	1.4378	Ave		1.4319			0.0100	1.4		20.0			
2-Methylphenol	1.2711	1.2830	1.2181	1.2055 1.2339	1.2408	Ave		1.2421			0.7000	2.4		20.0			
2,2'-oxybis[1-chloropropane]	2.1339	2.1794	1.9702	2.1641 1.9769	2.1457	Ave		2.0950			0.0100	4.6		20.0			
N-Methylaniline	2.1475	2.2205	2.0592	2.1380 2.1305	2.1294	Ave		2.1375			0.0100	2.4		20.0			
3 & 4 Methylphenol	1.4546	1.4670	1.3474	1.4303 1.3624	1.4399	Ave		1.4169			0.0100	3.5		20.0			
4-Methylphenol	1.4546	1.4670	1.3474	1.4303 1.3624	1.4399	Ave		1.4169			0.6000	3.5		20.0			
N-Nitrosodi-n-propylamine	0.8328 1.0932	1.0400 1.1231	1.0620 1.0255	1.1043 1.0446	1.0865	Ave		1.0458			0.5000	8.2		20.0			
Acetophenone	1.9893	2.0033	1.8111	2.0000 1.8121	2.0108	Ave		1.9378			0.0100	5.1		20.0			
Hexachloroethane	0.5444 0.5960	0.5803 0.5913	0.5915 0.5689	0.5826 0.5951	0.5824	Ave		0.5814			0.3000	2.8		20.0			
n,n'-Dimethylaniline	1.9143 2.0785	1.9702 2.1348	2.0859 2.0107	2.0977 2.0530	2.1005	Ave		2.0495			0.0100	3.5		20.0			
Nitrobenzene	0.5444 0.6746	0.5986 0.6870	0.6083 0.6570	0.6616 0.6707	0.6676	Ave		0.6411			0.2000	7.3		20.0			
Isophorone	0.7262	0.7313	0.7179 0.6855	0.7046 0.7094	0.7216	Ave		0.7138			0.4000	2.2		20.0			
2-Nitrophenol	0.2024	0.2020	0.1943	0.1861 0.2004	0.1952	Ave		0.1968			0.1000	3.2		20.0			
2,4-Dimethylphenol	0.2689	0.2619	0.2624	0.2436 0.2693	0.2586	Ave		0.2608			0.2000	3.6		20.0			
Benzoic acid	0.2161	0.2431	0.2572	0.1686 0.2627	0.1983	Ave		0.2243			0.0100	16.4		20.0			
Bis(2-chloroethoxy)methane	0.4510	0.4453	0.4212	0.4387 0.4307	0.4458	Ave		0.4388			0.3000	2.5		20.0			
2,4-Dichlorophenol	0.2878	0.2879	0.2642 0.2763	0.2783 0.2845	0.2804	Ave		0.2799			0.2000	3.0		20.0			
1,2,4-Trichlorobenzene	0.2828 0.3174	0.3381 0.3069	0.3123 0.3000	0.3109 0.3059	0.3126	Ave		0.3097			0.0100	4.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-307050-1 Analy Batch No.: 981853

SDG No.:

Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2024 08:05 Calibration End Date: 06/24/2024 11:06 Calibration ID: 97972

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Naphthalene	1.0463	1.0173	0.9568	1.0509 0.9637	1.0486	Ave		1.0139			0.7000	4.3		20.0			
2,6-Dichlorophenol	0.2817	0.2799	0.2589 0.2692	0.2716 0.2768	0.2777	Ave		0.2737				2.9		20.0			
4-Chloroaniline	0.4511	0.4488	0.4240	0.4303 0.4241	0.4383	Ave		0.4361			0.0100	2.7		20.0			
Hexachlorobutadiene	0.1708	0.1681 0.1666	0.1682 0.1638	0.1675 0.1701	0.1686	Ave		0.1680			0.0100	1.3		20.0			
Caprolactam	0.0970	0.0586 0.1075	0.0811 0.1026	0.0942 0.1404	0.0928	Lin1	-0.084	0.1178			0.0100	15.7					
4-Chloro-3-methylphenol	0.3031	0.3112	0.2965	0.2807 0.3036	0.2902	Ave		0.2976			0.2000	3.7		20.0			
2-Methylnaphthalene	0.6891	0.6849	0.6451	0.6706 0.6534	0.6770	Ave		0.6700			0.4000	2.6		20.0			
1-Methylnaphthalene	0.6241	0.6276	0.5929	0.6194 0.5944	0.6172	Ave		0.6126			0.0100	2.5		20.0			
Hexachlorocyclopentadiene	0.3372	0.3004	0.3217	0.2880 0.3145	0.3174	Ave		0.3132			0.0500	5.5		20.0			
1,2,4,5-Tetrachlorobenzene	0.5980	0.5855	0.5709	0.5808 0.5888	0.5862	Ave		0.5850			0.0100	1.5		20.0			
2-tertbutyl-4-methylphenol	0.4045	0.4136	0.3890	0.3898 0.3982	0.4001	Ave		0.3992			0.0100	2.3		20.0			
2,4,6-Trichlorophenol	0.3997	0.4025	0.3558 0.3930	0.3743 0.4072	0.3781	Ave		0.3872			0.2000	4.8		20.0			
2,4,5-Trichlorophenol	0.4244	0.4353	0.4201	0.3922 0.4374	0.4085	Ave		0.4196			0.2000	4.1		20.0			
1,1'-Biphenyl	1.5705	1.5476	1.4607	1.5450 1.4665	1.5657	Ave		1.5260			0.0100	3.2		20.0			
2-Chloronaphthalene	1.2418	1.2059	1.1595	1.2291 1.1713	1.2086	Ave		1.2027			0.8000	2.7		20.0			
Phenyl ether	0.8294	0.8270	0.8051	0.8189 0.8035	0.8381	Ave		0.8203			0.0100	1.7		20.0			
2-Nitroaniline	0.4243	0.4196	0.3997	0.3995 0.4090	0.4004	Ave		0.4088			0.0100	2.7		20.0			
1,3-Dimethylnaphthalene	0.9820	0.9776	0.9405	0.9587 0.9528	0.9851	Ave		0.9661			0.0100	1.9		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-307050-1 Analy Batch No.: 981853

SDG No.:

Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2024 08:05 Calibration End Date: 06/24/2024 11:06 Calibration ID: 97972

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Dimethyl phthalate	1.3828	1.3738	1.3120	1.3272 1.3481	1.3806	Ave		1.3541			0.0100	2.2		20.0			
Coumarin	0.2521	0.2599	0.2473	0.2496 0.2542	0.2571	Ave		0.2534			0.0100	1.8		20.0			
2,6-Dinitrotoluene	0.3115	0.2645 0.3155	0.2822 0.3010	0.3038 0.3107	0.3059	Ave		0.2994			0.2000	5.8		20.0			
Acenaphthylene	1.8901	1.8257	1.7465	1.8474 1.7609	1.8433	Ave		1.8190			0.9000	3.0		20.0			
3-Nitroaniline	0.3787	0.3817	0.3749	0.3550 0.3840	0.3635	Ave		0.3730			0.0100	3.1		20.0			
3,5-di-tert-butyl-4-hydroxytol	0.8570	0.8715	0.8340	0.7474 0.8808	0.8100	Ave		0.8335			0.0100	5.9		20.0			
Acenaphthene	1.1290	1.1070	1.0499	1.1384 1.0757	1.1030	Ave		1.1005			0.9000	3.0		20.0			
2,4-Dinitrophenol	0.1867	0.1968	0.0625 0.2045	0.1231 0.2149	0.1502	Lin2	-0.594	0.2005			0.0100				0.9930		0.9900
4-Nitrophenol	0.2645	0.2732	0.2704	0.2332 0.2755	0.2476	Ave		0.2607			0.0100	6.4		20.0			
Dibenzofuran	1.6954	1.6578	1.5585	1.6870 1.5823	1.6791	Ave		1.6434			0.8000	3.6		20.0			
2,4-Dinitrotoluene	0.4239	0.3544 0.4213	0.3657 0.4115	0.3995 0.4215	0.4057	Ave		0.4005			0.2000	6.6		20.0			
2,3,4,6-Tetrachlorophenol	0.3452	0.3452	0.3421	0.3152 0.3542	0.3302	Ave		0.3387			0.0100	4.1		20.0			
n-Octadecane	0.5359	0.5237	0.4701	0.5415 0.4744	0.5360	Ave		0.5136			0.0100	6.3		20.0			
Diethyl phthalate	1.4098	1.3839	1.3501	1.4190 1.3196	1.4128	Ave		1.3825			0.0100	2.9		20.0			
Fluorene	1.3693	1.3419	1.2585	1.3410 1.2472	1.3486	Ave		1.3177			0.9000	3.9		20.0			
4-Chlorophenyl phenyl ether	0.6157	0.6074	0.5685	0.6120 0.5666	0.6037	Ave		0.5957			0.4000	3.7		20.0			
4-Nitroaniline	0.3592	0.3699	0.3586	0.3310 0.3653	0.3405	Ave		0.3541			0.0100	4.3		20.0			
4,6-Dinitro-2-methylphenol	0.1378	0.1425	0.0937 0.1373	0.1179 0.1416	0.1304	Ave		0.1288			0.0100	13.7		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-307050-1 Analy Batch No.: 981853

SDG No.:

Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2024 08:05 Calibration End Date: 06/24/2024 11:06 Calibration ID: 97972

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
N-Nitrosodiphenylamine	0.5313	0.5270	0.4950	0.5272 0.5069	0.5235	Ave		0.5185			0.0100	2.8		20.0			
1,2-Diphenylhydrazine	0.8310	0.8250	0.7644	0.8334 0.7786	0.8325	Ave		0.8108			0.0100	3.8		20.0			
Azobenzene	0.8310	0.8250	0.7647	0.8334 0.7822	0.8325	Ave		0.8115				3.7		20.0			
4-Bromophenyl phenyl ether	0.2080	0.2145	0.2064	0.2046 0.2149	0.2043	Ave		0.2088			0.1000	2.3		20.0			
Hexachlorobenzene	0.2397 0.2743	0.2605 0.2734	0.2661 0.2649	0.2623 0.2788	0.2689	Ave		0.2654			0.1000	4.3		20.0			
Atrazine	0.1933	0.1742 0.2087	0.1830 0.2042	0.1932 0.2036	0.1916	Ave		0.1940			0.0100	5.9		20.0			
Pentachlorophenol	0.1687	0.1731	0.1311 0.1688	0.1509 0.1714	0.1589	Ave		0.1604			0.0500	9.4		20.0			
Pentachloronitrobenzene	0.0943	0.0979	0.0940	0.0908 0.0981	0.0949	Ave		0.0950			0.0100	2.9		20.0			
Phenanthrene	1.0607	1.0360	0.9675	1.0439 0.9726	1.0493	Ave		1.0217			0.7000	4.0		20.0			
Anthracene	1.0784	1.0699	0.9929	1.0511 1.0044	1.0632	Ave		1.0433			0.7000	3.4		20.0			
Carbazole	1.0149	1.0118	0.9456	0.9878 0.9551	1.0088	Ave		0.9873			0.0100	3.1		20.0			
Di-n-butyl phthalate	1.2892	1.2931	1.1803 1.1942	1.2178 1.1994	1.2700	Ave		1.2349			0.0100	3.9		20.0			
Fluoranthene	1.1190	1.1297	1.0577	1.0760 1.0671	1.1052	Ave		1.0925			0.6000	2.7		20.0			
Benzidine	0.5985	0.5711	0.5747	0.6233 0.5152	0.6284	Ave		0.5852			0.0100	7.1		20.0			
Pyrene	1.4880	1.4560	1.3775	1.4611 1.3752	1.4890	Ave		1.4411			0.6000	3.6		20.0			
Bisphenol-A	0.6468	0.6579	0.6489	0.6069 0.6756	0.6126	Ave		0.6415				4.2		20.0			
Butyl benzyl phthalate	0.6834	0.6964	0.6710	0.6403 0.6897	0.6597	Ave		0.6734			0.0100	3.1		20.0			
2,3,7,8-TCDD		0.2273				Ave		0.2273			0.0100			20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Edison Job No.: 460-307050-1 Analy Batch No.: 981853

SDG No.:

Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2024 08:05 Calibration End Date: 06/24/2024 11:06 Calibration ID: 97972

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD /RSE	#	MAX %RSD /RSE	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5		B	M1	M2								
Carbamazepine	0.5249	0.5899	0.5924	0.4177 0.6251	0.4536	Ave		0.5339			0.0100	15.7		20.0			
3,3'-Dichlorobenzidine	0.5435	0.5443	0.4966 0.5607	0.5263 0.5333	0.5374	Ave		0.5346			0.0100	3.7		20.0			
Benzo[a]anthracene	1.3711 1.3594	1.3768 1.3553	1.3396 1.2857	1.3387 1.3103	1.3552	Ave		1.3436			0.8000	2.2		20.0			
Chrysene	1.2820	1.2410	1.1586	1.2746 1.1582	1.2877	Ave		1.2337			0.7000	4.9		20.0			
Bis(2-ethylhexyl) phthalate	0.9876	0.9776	0.9124	0.9305 0.9120	0.9499	Ave		0.9450			0.0100	3.4		20.0			
Di-n-octyl phthalate	1.4137	1.4037	1.3554	1.2969 1.3658	1.3241	Ave		1.3599			0.0100	3.3		20.0			
Benzo[b]fluoranthene	0.9922 1.1535	1.0418 1.1593	1.0503 1.1203	1.1010 1.1619	1.0968	Ave		1.0974			0.7000	5.4		20.0			
Benzo[k]fluoranthene	1.0026 1.1953	1.0742 1.1534	1.0966 1.1325	1.1220 1.1468	1.1548	Ave		1.1198			0.7000	5.0		20.0			
Benzo[a]pyrene	0.8800 1.1055	0.9774 1.0915	1.0061 1.0730	1.0378 1.0933	1.0520	Ave		1.0352			0.7000	7.0		20.0			
Indeno[1,2,3-cd]pyrene	0.9359 1.2146	1.0292 1.2308	1.0742 1.2303	1.1228 1.2884	1.1319	Ave		1.1398			0.5000	9.9		20.0			
Dibenz(a,h)anthracene	0.8468 1.1770	1.0140 1.2202	1.0496 1.2032	1.0810 1.2397	1.1091	Ave		1.1045			0.4000	11.3		20.0			
Benzo[g,h,i]perylene	0.8856 1.1293	0.9334 1.1536	0.9972 1.1290	1.0283 1.1745	1.0621	Ave		1.0548			0.5000	9.6		20.0			
2-Fluorophenol (Surr)	1.4273	1.0199 1.5514	1.2305 1.5814	1.2986 1.5894	1.3732	Ave		1.3840			0.0100	14.3		20.0			
Phenol-d5 (Surr)	1.3676 1.9300	1.6408 2.1118	1.7971 2.1124	1.8115 2.1144	1.8768	Ave		1.8625			0.0100	13.3		20.0			
Nitrobenzene-d5 (Surr)	0.3280 0.4389	0.3817 0.4480	0.4169 0.4370	0.4218 0.4308	0.4314	Ave		0.4149			0.0100	9.1		20.0			
2-Fluorobiphenyl	1.2956 1.4545	1.4260 1.4720	1.4727 1.4552	1.4510 1.4336	1.4442	Ave		1.4339			0.0100	3.8		20.0			
2,4,6-Tribromophenol (Surr)	0.2971	0.2372 0.3110	0.2792 0.3307	0.2748 0.3331	0.2873	Ave		0.2938			0.0100	10.8		20.0			
Terphenyl-d14 (Surr)	0.9949 1.2379	1.1034 1.2639	1.1863 1.2498	1.2078 1.2016	1.2517	Ave		1.1886			0.0100	7.4		20.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type. RSD is calculated for Ave curve types. RSE is used for all other types.

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FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-307050-1 | Analy Batch No.: 981853

SDG No.:

Instrument ID: CBNAMS12 | GC Column: Rtxi-5Sil | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2024 08:05 | Calibration End Date: 06/24/2024 11:06 | Calibration ID: 97972

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 460-981853/10	L37512.d
Level 2	STD1 460-981853/9	L37511.d
Level 3	STD2 460-981853/8	L37510.d
Level 4	STD5 460-981853/7	L37509.d
Level 5	STD10 460-981853/6	L37508.d
Level 6	STD20 460-981853/5	L37507.d
Level 7	ICIS 460-981853/2	L37504.d
Level 8	STD80 460-981853/4	L37506.d
Level 9	STD120 460-981853/3	L37505.d

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
1,4-Dioxane	DCBd4	Ave	1680 55795	3353 127823	5366 219824	13757 327058	26965	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
N-Nitrosodimethylamine	DCBd4	Ave	 90821	 227841	 388100	21814 569476	44832	 20.0	 50.0	 80.0	5.00 120	10.0
Pyridine	DCBd4	Ave	 288989	11877 648982	24962 1148436	70693 1671445	137910	 40.0	2.00 100	4.00 160	10.0 240	20.0
Benzaldehyde	DCBd4	Ave	 101178	5405 +++++	12680 +++++	34476 +++++	67046	 16.0	1.00 +++++	2.00 +++++	5.00 +++++	10.0
Phenol	DCBd4	Ave	 192789	 447124	 757498	47310 1087568	95582	 20.0	 50.0	 80.0	5.00 120	10.0
Aniline	DCBd4	Ave	 225098	 512480	 868315	54948 1236511	109645	 20.0	 50.0	 80.0	5.00 120	10.0
Bis(2-chloroethyl)ether	DCBd4	Ave	3019 142586	6024 328292	13529 553031	34677 795356	70785	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2-Chlorophenol	DCBd4	Ave	 150149	 344089	 580069	37639 830132	74293	 20.0	 50.0	 80.0	5.00 120	10.0
n-Decane	DCBd4	Ave	 168569	 382489	 611849	44055 872499	85846	 20.0	 50.0	 80.0	5.00 120	10.0
1,3-Dichlorobenzene	DCBd4	Ave	 157169	 350311	 589816	39721 847932	78923	 20.0	 50.0	 80.0	5.00 120	10.0
1,4-Dichlorobenzene	DCBd4	Ave	 155161	 351242	 591613	40605 846391	78250	 20.0	 50.0	 80.0	5.00 120	10.0
Benzyl alcohol	DCBd4	Ave	 95606	 225221	 377205	23145 551378	47031	 20.0	 50.0	 80.0	5.00 120	10.0
1,2-Dichlorobenzene	DCBd4	Ave	 149140	 336690	 568899	38589 821091	75144	 20.0	 50.0	 80.0	5.00 120	10.0
2-Methylphenol	DCBd4	Ave	 130960	 296960	 495619	32743 707295	64850	 20.0	 50.0	 80.0	5.00 120	10.0
2,2'-oxybis[1-chloropropane]	DCBd4	Ave				58777	112145				5.00	10.0

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FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-307050-1 | Analy Batch No.: 981853

SDG No.:

Instrument ID: CBNAMS12 | GC Column: Rtxi-5Sil | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2024 08:05 | Calibration End Date: 06/24/2024 11:06 | Calibration ID: 97972

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
			219856	504448	801624	1133172		20.0	50.0	80.0	120	
N-Methylaniline	DCBd4	Ave	221254	513949	837860	58068 1221187	111293	20.0	50.0	80.0	5.00 120	10.0
3 & 4 Methylphenol	DCBd4	Ave	149865	339553	548214	38847 780955	75253	20.0	50.0	80.0	5.00 120	10.0
4-Methylphenol	DCBd4	Ave	149865	339553	548214	38847 780955	75253	20.0	50.0	80.0	5.00 120	10.0
N-Nitrosodi-n-propylamine	DCBd4	Ave	2183 112634	5222 259946	10976 417265	29993 598782	56787	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Acetophenone	DCBd4	Ave	204958	463688	736879	54321 1038720	105092	20.0	50.0	80.0	5.00 120	10.0
Hexachloroethane	DCBd4	Ave	1427 61409	2914 136874	6114 231481	15824 341116	30438	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
n,n'-Dimethylaniline	DCBd4	Ave	5018 214146	9893 494120	21559 818112	56974 1176765	109783	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Nitrobenzene	DCBd4	Ave	1427 69503	3006 159024	6287 267308	17970 384427	34892	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Isophorone	NPT	Ave	277907	651264	28038 1067852	72039 1566726	141196	20.0	50.0	2.00 80.0	5.00 120	10.0
2-Nitrophenol	NPT	Ave	77471	179933	302751	19032 442497	38203	20.0	50.0	80.0	5.00 120	10.0
2,4-Dimethylphenol	NPT	Ave	102902	233219	408694	24910 594784	50603	20.0	50.0	80.0	5.00 120	10.0
Benzoic acid	NPT	Ave	82713	216540	400726	17237 580165	38798	20.0	50.0	80.0	5.00 120	10.0
Bis(2-chloroethoxy)methane	NPT	Ave	172610	396628	656226	44859 951175	87222	20.0	50.0	80.0	5.00 120	10.0
2,4-Dichlorophenol	NPT	Ave	110127	256441	10317 430496	28458 628349	54854	20.0	50.0	2.00 80.0	5.00 120	10.0
1,2,4-Trichlorobenzene	NPT	Ave	2801 121456	6453 273337	12196 467402	31792 675661	61170	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Naphthalene	NPT	Ave	400430	906053	1490547	107449 2128389	205167	20.0	50.0	80.0	5.00 120	10.0
2,6-Dichlorophenol	NPT	Ave	107813	249318	10112 419351	27766 611295	54333	20.0	50.0	2.00 80.0	5.00 120	10.0
4-Chloroaniline	NPT	Ave	172650	399739	660478	43994 936743	85750	20.0	50.0	80.0	5.00 120	10.0
Hexachlorobutadiene	NPT	Ave	65375	3209 148332	6568 255170	17122 375736	32987	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Caprolactam	NPT	Lin1	29709	1119 38283	3169 47955	9630 82685	18163	16.0	1.00 20.0	2.00 24.0	5.00 32.0	10.0

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FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-307050-1 | Analy Batch No.: 981853

SDG No.:

Instrument ID: CBNAMS12 | GC Column: Rtxi-5Sil | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2024 08:05 | Calibration End Date: 06/24/2024 11:06 | Calibration ID: 97972

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
4-Chloro-3-methylphenol	NPT	Ave	115983	277187	461960	28698 670574	56783	20.0	50.0	80.0	5.00 120	10.0
2-Methylnaphthalene	NPT	Ave	263699	610013	1004869	68566 1443144	132465	20.0	50.0	80.0	5.00 120	10.0
1-Methylnaphthalene	NPT	Ave	238851	558981	923690	63333 1312687	120761	20.0	50.0	80.0	5.00 120	10.0
Hexachlorocyclopentadiene	ANT	Ave	65712	139101	256309	15117 353316	31786	20.0	50.0	80.0	5.00 120	10.0
1,2,4,5-Tetrachlorobenzene	ANT	Ave	116546	271164	454896	30491 661508	58706	20.0	50.0	80.0	5.00 120	10.0
2-tertbutyl-4-methylphenol	NPT	Ave	154794	368379	605967	39853 879469	78293	20.0	50.0	80.0	5.00 120	10.0
2,4,6-Trichlorophenol	ANT	Ave	77894	186418	7113 313145	19648 457559	37865	20.0	50.0	2.00 80.0	5.00 120	10.0
2,4,5-Trichlorophenol	ANT	Ave	82708	201584	334710	20586 491501	40913	20.0	50.0	80.0	5.00 120	10.0
1,1'-Biphenyl	ANT	Ave	306091	716724	1163931	81103 1647665	156803	20.0	50.0	80.0	5.00 120	10.0
2-Chloronaphthalene	ANT	Ave	242038	558459	923873	64518 1316044	121047	20.0	50.0	80.0	5.00 120	10.0
Phenyl ether	ANT	Ave	161661	382982	641522	42989 902733	83942	20.0	50.0	80.0	5.00 120	10.0
2-Nitroaniline	ANT	Ave	82702	194339	318499	20970 459497	40103	20.0	50.0	80.0	5.00 120	10.0
1,3-Dimethylnaphthalene	ANT	Ave	191391	452751	749414	50327 1070483	98656	20.0	50.0	80.0	5.00 120	10.0
Dimethyl phthalate	ANT	Ave	269515	636237	1045402	69668 1514695	138267	20.0	50.0	80.0	5.00 120	10.0
Coumarin	NPT	Ave	96481	231456	385177	25526 561428	50301	20.0	50.0	80.0	5.00 120	10.0
2,6-Dinitrotoluene	ANT	Ave	60716	2571 146096	5642 239861	15947 349098	30636	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Acenaphthylene	ANT	Ave	368381	845504	1391631	96979 1978545	184605	20.0	50.0	80.0	5.00 120	10.0
3-Nitroaniline	ANT	Ave	73810	176745	298703	18633 431453	36408	20.0	50.0	80.0	5.00 120	10.0
3,5-di-tert-butyl-4-hydroxytol	ANT	Ave	167038	403615	664541	39236 989615	81125	20.0	50.0	80.0	5.00 120	10.0
Acenaphthene	ANT	Ave	220047	512681	836557	59759 1208636	110463	20.0	50.0	80.0	5.00 120	10.0
2,4-Dinitrophenol	ANT	Lin2			2500	12924	30083			4.00	10.0	20.0

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FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-307050-1 | Analy Batch No.: 981853

SDG No.:

Instrument ID: CBNAMS12 | GC Column: Rtxi-5Sil | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2024 08:05 | Calibration End Date: 06/24/2024 11:06 | Calibration ID: 97972

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
			72760	182248	325848	483021		40.0	100	160	240	
4-Nitrophenol	ANT	Ave	103086	253085	430925	24481 619052	49596	40.0	100	160	10.0 240	20.0
Dibenzofuran	ANT	Ave	330437	767755	1241871	88559 1777822	168161	20.0	50.0	80.0	5.00 120	10.0
2,4-Dinitrotoluene	ANT	Ave	82622	3445 195118	7312 327887	20972 473633	40631	20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2,3,4,6-Tetrachlorophenol	ANT	Ave	67285	159863	272567	16544 398018	33072	20.0	50.0	80.0	5.00 120	10.0
n-Octadecane	PHN	Ave	193568	446837	701553	51336 990817	98132	20.0	50.0	80.0	5.00 120	10.0
Diethyl phthalate	ANT	Ave	274769	640886	1075755	74487 1482623	141491	20.0	50.0	80.0	5.00 120	10.0
Fluorene	ANT	Ave	266871	621442	1002799	70392 1401279	135064	20.0	50.0	80.0	5.00 120	10.0
4-Chlorophenyl phenyl ether	ANT	Ave	120009	281287	452990	32126 636670	60465	20.0	50.0	80.0	5.00 120	10.0
4-Nitroaniline	ANT	Ave	70001	171303	285735	17373 410480	34105	20.0	50.0	80.0	5.00 120	10.0
4,6-Dinitro-2-methylphenol	PHN	Ave	99575	243212	6901 409820	22363 591417	47759	40.0	100	4.00 160	10.0 240	20.0
N-Nitrosodiphenylamine	PHN	Ave	191888	449639	738644	49983 1058631	95846	20.0	50.0	80.0	5.00 120	10.0
1,2-Diphenylhydrazine	PHN	Ave	300154	703928	1140683	79002 1626246	152430	20.0	50.0	80.0	5.00 120	10.0
Azobenzene	PHN	Ave	300154	703935	1141088	79002 1633617	152430	20.0	50.0	80.0	5.00 120	10.0
4-Bromophenyl phenyl ether	PHN	Ave	75141	182984	307970	19394 448835	37409	20.0	50.0	80.0	5.00 120	10.0
Hexachlorobenzene	PHN	Ave	2198 99087	4622 233289	9799 395221	24865 582192	49229	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Atrazine	PHN	Ave	55853	3091 71213	6740 91399	18316 113412	35083	16.0	1.00 20.0	2.00 24.0	5.00 32.0	10.0
Pentachlorophenol	PHN	Ave	121837	295374	9657 503815	28620 716068	58186	40.0	100	4.00 160	10.0 240	20.0
Pentachloronitrobenzene	PHN	Ave	34071	83510	140231	8605 204893	17369	20.0	50.0	80.0	5.00 120	10.0
Phenanthrene	PHN	Ave	383108	883917	1443670	98966 2031326	192112	20.0	50.0	80.0	5.00 120	10.0
Anthracene	PHN	Ave	389515	912862	1481578	99648 2097666	194665	20.0	50.0	80.0	5.00 120	10.0

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FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-307050-1 | Analy Batch No.: 981853

SDG No.:

Instrument ID: CBNAMS12 | GC Column: Rtxi-5Sil | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2024 08:05 | Calibration End Date: 06/24/2024 11:06 | Calibration ID: 97972

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
Carbazole	PHN	Ave	366553	863322	1410964	93642 1994709	184711	20.0	50.0	80.0	5.00 120	10.0
Di-n-butyl phthalate	PHN	Ave	465627	1103336	43472 1782053	115443 2504981	232524	20.0	50.0	2.00 80.0	5.00 120	10.0
Fluoranthene	PHN	Ave	404167	963929	1578353	102003 2228781	202347	20.0	50.0	80.0	5.00 120	10.0
Benzidine	PHN	Ave	216180	487284	857560	59090 1076079	115057	20.0	50.0	80.0	5.00 120	10.0
Pyrene	CRY	Ave	426008	987181	1618409	107894 2249687	213655	20.0	50.0	80.0	5.00 120	10.0
Bisphenol-A	CRY	Ave	185175	446093	762358	44819 1105271	87907	20.0	50.0	80.0	5.00 120	10.0
Butyl benzyl phthalate	CRY	Ave	195659	472162	788351	47285 1128270	94656	20.0	50.0	80.0	5.00 120	10.0
2,3,7,8-TCDD	CRY	Ave		1541					0.500			
Carbamazepine	CRY	Ave	150276	399940	695960	30842 1022694	65090	20.0	50.0	80.0	5.00 120	10.0
3,3'-Dichlorobenzidine	CRY	Ave	155612	369012	14343 658736	38862 872369	77107	20.0	50.0	2.00 80.0	5.00 120	10.0
Benzo[a]anthracene	CRY	Ave	9894 389203	19345 918906	38691 1510569	98857 2143599	194452	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Chrysene	CRY	Ave	367039	841423	1361149	94121 1894766	184777	20.0	50.0	80.0	5.00 120	10.0
Bis(2-ethylhexyl) phthalate	CRY	Ave	282759	662801	1071950	68715 1491916	136303	20.0	50.0	80.0	5.00 120	10.0
Di-n-octyl phthalate	PRY	Ave	485563	1182132	1990417	116545 2836379	231611	20.0	50.0	80.0	5.00 120	10.0
Benzo[b]fluoranthene	PRY	Ave	8741 396179	17879 976259	36158 1645126	98943 2412858	191852	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[k]fluoranthene	PRY	Ave	8833 410550	18435 971291	37752 1663035	100830 2381614	201996	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[a]pyrene	PRY	Ave	7753 379704	16774 919213	34635 1575727	93263 2270377	184011	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Indeno[1,2,3-cd]pyrene	PRY	Ave	8245 417175	17663 1036472	36978 1806770	100905 2675535	197982	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Dibenz(a,h)anthracene	PRY	Ave	7460 404260	17402 1027554	36131 1766938	97144 2574425	193996	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Benzo[g,h,i]perylene	PRY	Ave	7802 387879	16020 971480	34330 1657976	92409 2438976	185775	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2-Fluorophenol (Surr)	DCBd4	Ave		5121	12718	35271	71769		1.00	2.00	5.00	10.0

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FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Edison | Job No.: 460-307050-1 | Analy Batch No.: 981853

SDG No.:

Instrument ID: CBNAMS12 | GC Column: Rtxi-5Sil | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2024 08:05 | Calibration End Date: 06/24/2024 11:06 | Calibration ID: 97972

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/ML)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5	LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5
			147052	359084	643454	911054		20.0	50.0	80.0	120	
Phenol-d5 (Surr)	DCBd4	Ave	3585 198848	8239 488792	18574 859500	49201 1211999	98090	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Nitrobenzene-d5 (Surr)	NPT	Ave	3248 167948	7285 399035	16282 680796	43130 951404	84403	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2-Fluorobiphenyl	ANT	Ave	6537 283494	13861 681683	29442 1159508	76168 1610790	144642	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
2,4,6-Tribromophenol (Surr)	ANT	Ave	 57900	2306 144028	5582 263515	14426 374260	28775	 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0
Terphenyl-d14 (Surr)	CRY	Ave	7179 354406	15504 856978	34265 1468333	89190 1965721	179614	0.500 20.0	1.00 50.0	2.00 80.0	5.00 120	10.0

Curve Type Legend:

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD

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FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Edison Job No.: 460-307050-1 Analy Batch No.: 981853

SDG No.:

Instrument ID: CBNAMS12 GC Column: Rtxi-5Sil M ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 06/24/2024 08:05 Calibration End Date: 06/24/2024 11:06 Calibration ID: 97972

Calibration Files:

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD05 460-981853/10	L37512.d
Level 2	STD1 460-981853/9	L37511.d
Level 3	STD2 460-981853/8	L37510.d
Level 4	STD5 460-981853/7	L37509.d
Level 5	STD10 460-981853/6	L37508.d
Level 6	STD20 460-981853/5	L37507.d
Level 7	ICIS 460-981853/2	L37504.d
Level 8	STD80 460-981853/4	L37506.d
Level 9	STD120 460-981853/3	L37505.d

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4	LVL 5	LVL 6
Caprolactam		21.5						30				
2,4-Dinitrophenol			5.3						30			

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Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37504.d
Lims ID: ICIS
Client ID:
Sample Type: ICIS Calib Level: 7
Inject. Date: 24-Jun-2024 08:05:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0177545-002
Operator ID: Instrument ID: CBNAMS12
Sublist: chrom-8270_12R_9*sub56

Method: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\8270_12R_9.m
Limit Group: SV 8270E ICAL
Last Update: 24-Jun-2024 11:36:44 Calib Date: 24-Jun-2024 11:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37512.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1642

First Level Reviewer: G4KC Date: 24-Jun-2024 08:28:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.712	1.712	0.000	96	127823	50.0	49.2	
2 N-Nitrosodimethylamine	74	1.955	1.955	0.000	92	227841	50.0	53.9	
3 Pyridine	79	1.974	1.974	0.000	92	648982	100.0	105.0	
$ 4 2-Fluorophenol	112	3.085	3.085	0.000	94	359084	50.0	56.0	
5 Benzaldehyde	77	3.960	3.960	0.000	97	70944	20.0	12.6	
$ 6 Phenol-d5	99	4.001	4.001	0.000	0	488792	50.0	56.7	
7 Phenol	94	4.014	4.014	0.000	98	447124	50.0	52.1	
8 Aniline	93	4.056	4.056	0.000	100	512480	50.0	51.8	
9 Bis(2-chloroethyl)ether	93	4.120	4.120	0.000	92	328292	50.0	53.9	
10 2-Chlorophenol	128	4.161	4.161	0.000	98	344089	50.0	51.7	
11 n-Decane	43	4.184	4.184	0.000	93	382489	50.0	51.8	
12 1,3-Dichlorobenzene	146	4.311	4.311	0.000	94	350311	50.0	50.8	
* 13 1,4-Dichlorobenzene-d4	152	4.369	4.369	0.000	96	185169	40.0	40.0	
14 1,4-Dichlorobenzene	146	4.385	4.385	0.000	93	351242	50.0	50.9	
15 Benzyl alcohol	108	4.503	4.503	0.000	92	225221	50.0	52.7	
16 1,2-Dichlorobenzene	146	4.529	4.529	0.000	95	336690	50.0	50.8	
17 2-Methylphenol	108	4.602	4.602	0.000	90	296960	50.0	51.6	
18 2,2'-oxybis[1-chloropropane]	45	4.621	4.621	0.000	94	504448	50.0	52.0	
130 N-Methylaniline	106	4.752	4.752	0.000	92	513949	50.0	51.9	a
20 3 & 4 Methylphenol	108	4.755	4.755	0.000	91	339553	50.0	51.8	
19 4-Methylphenol	108	4.755	4.755	0.000	85	339553	50.0	51.8	
21 N-Nitrosodi-n-propylamine	70	4.759	4.759	0.000	79	259946	50.0	53.7	
22 Acetophenone	105	4.765	4.765	0.000	94	463688	50.0	51.7	
25 Hexachloroethane	117	4.848	4.848	0.000	96	136874	50.0	50.9	
$ 26 Nitrobenzene-d5	82	4.912	4.912	0.000	89	399035	50.0	54.0	
28 n,n'-Dimethylaniline	120	4.922	4.922	0.000	97	494120	50.0	52.1	
27 Nitrobenzene	123	4.934	4.934	0.000	95	159024	50.0	53.6	
29 Isophorone	82	5.155	5.155	0.000	100	651264	50.0	51.2	
30 2-Nitrophenol	139	5.231	5.231	0.000	91	179933	50.0	51.3	
31 2,4-Dimethylphenol	122	5.263	5.263	0.000	91	233219	50.0	50.2	
32 Bis(2-chloroethoxy)methane	93	5.366	5.366	0.000	97	396628	50.0	50.7	

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Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
33 Benzoic acid	122	5.372	5.372	0.000	90	216540	50.0	54.2	
34 2,4-Dichlorophenol	162	5.455	5.455	0.000	96	256441	50.0	51.4	
35 1,2,4-Trichlorobenzene	180	5.535	5.535	0.000	95	273337	50.0	49.6	
* 36 Naphthalene-d8	136	5.593	5.593	0.000	99	712492	40.0	40.0	
37 Naphthalene	128	5.612	5.612	0.000	99	906053	50.0	50.2	
131 2,6-Dichlorophenol	162	5.673	5.673	0.000	97	249318	50.0	51.1	
38 4-Chloroaniline	127	5.676	5.676	0.000	96	399739	50.0	51.5	
39 Hexachlorobutadiene	225	5.714	5.714	0.000	95	148332	50.0	49.6	
40 Caprolactam	113	6.018	6.018	0.000	89	38283	20.0	19.0	
41 4-Chloro-3-methylphenol	107	6.133	6.133	0.000	97	277187	50.0	52.3	
42 2-Methylnaphthalene	142	6.273	6.273	0.000	84	610013	50.0	51.1	
43 1-Methylnaphthalene	142	6.366	6.366	0.000	93	558981	50.0	51.2	
44 Hexachlorocyclopentadiene	237	6.404	6.404	0.000	97	139101	50.0	48.0	
45 1,2,4,5-Tetrachlorobenzene	216	6.427	6.427	0.000	97	271164	50.0	50.0	
46 2-tertbutyl-4-methylphenol	149	6.462	6.462	0.000	90	368379	50.0	51.8	
48 2,4,6-Trichlorophenol	196	6.542	6.542	0.000	89	186418	50.0	52.0	
49 2,4,5-Trichlorophenol	196	6.574	6.574	0.000	97	201584	50.0	51.9	
$ 50 2-Fluorobiphenyl	172	6.625	6.625	0.000	97	681683	50.0	51.3	
51 1,1'-Biphenyl	154	6.721	6.721	0.000	96	716724	50.0	50.7	
52 2-Chloronaphthalene	162	6.740	6.740	0.000	97	558459	50.0	50.1	
53 Phenyl ether	170	6.823	6.823	0.000	88	382982	50.0	50.4	
54 2-Nitroaniline	65	6.852	6.852	0.000	98	194339	50.0	51.3	
55 1,3-Dimethylnaphthalene	156	6.945	6.945	0.000	91	452751	50.0	50.6	
58 Dimethyl phthalate	163	7.021	7.021	0.000	98	636237	50.0	50.7	
59 Coumarin	146	7.053	7.053	0.000	80	231456	50.0	51.3	
60 2,6-Dinitrotoluene	165	7.089	7.089	0.000	94	146096	50.0	52.7	
61 Acenaphthylene	152	7.137	7.137	0.000	97	845504	50.0	50.2	
62 3-Nitroaniline	138	7.248	7.248	0.000	95	176745	50.0	51.2	
* 63 Acenaphthene-d10	164	7.268	7.268	0.000	97	370486	40.0	40.0	
64 3,5-di-tert-butyl-4-hydroxytol	205	7.274	7.274	0.000	98	403615	50.0	52.3	
65 Acenaphthene	154	7.300	7.300	0.000	97	512681	50.0	50.3	
66 2,4-Dinitrophenol	184	7.351	7.351	0.000	95	182248	100.0	101.1	
67 4-Nitrophenol	65	7.408	7.408	0.000	94	253085	100.0	104.8	
69 Dibenzofuran	168	7.466	7.466	0.000	96	767755	50.0	50.4	
68 2,4-Dinitrotoluene	165	7.469	7.469	0.000	91	195118	50.0	52.6	
70 2,3,4,6-Tetrachlorophenol	232	7.578	7.578	0.000	93	159863	50.0	51.0	
72 n-Octadecane	57	7.687	7.687	0.000	93	446837	50.0	51.0	
71 Diethyl phthalate	149	7.693	7.693	0.000	97	640886	50.0	50.0	
74 Fluorene	166	7.789	7.789	0.000	94	621442	50.0	50.9	
73 4-Chlorophenyl phenyl ether	204	7.792	7.792	0.000	86	281287	50.0	51.0	
75 4-Nitroaniline	138	7.837	7.837	0.000	93	171303	50.0	52.2	
76 4,6-Dinitro-2-methylphenol	198	7.856	7.856	0.000	85	243212	100.0	110.7	
77 N-Nitrosodiphenylamine	169	7.910	7.910	0.000	99	449639	50.0	50.8	
78 1,2-Diphenylhydrazine	77	7.946	7.946	0.000	97	703928	50.0	50.9	
132 Azobenzene	77	7.946	7.946	0.000	97	703935	50.0	50.8	
$ 79 2,4,6-Tribromophenol	330	8.019	8.019	0.000	93	144028	50.0	52.9	
80 4-Bromophenyl phenyl ether	248	8.259	8.259	0.000	90	182984	50.0	51.4	
81 Hexachlorobenzene	284	8.297	8.297	0.000	96	233289	50.0	51.5	
82 Atrazine	200	8.422	8.422	0.000	89	71213	20.0	21.5	
83 Pentachlorophenol	266	8.496	8.496	0.000	95	295374	100.0	107.9	
84 Pentachloronitrobenzene	237	8.499	8.499	0.000	89	83510	50.0	51.5	
* 85 Phenanthrene-d10	188	8.684	8.684	0.000	99	682581	40.0	40.0	

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Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
86 Phenanthrene	178	8.707	8.707	0.000	98	883917	50.0	50.7	
87 Anthracene	178	8.755	8.755	0.000	97	912862	50.0	51.3	
88 Carbazole	167	8.918	8.918	0.000	96	863322	50.0	51.2	
89 Di-n-butyl phthalate	149	9.247	9.247	0.000	100	1103336	50.0	52.4	
90 Fluoranthene	202	9.838	9.838	0.000	96	963929	50.0	51.7	
91 Benzidine	184	9.985	9.985	0.000	100	487284	50.0	48.8	
92 Pyrene	202	10.055	10.055	0.000	95	987181	50.0	50.5	
93 Bisphenol-A	213	10.113	10.113	0.000	98	446093	50.0	51.3	
$ 94 Terphenyl-d14	244	10.212	10.212	0.000	97	856978	50.0	53.2	
95 Butyl benzyl phthalate	149	10.726	10.726	0.000	97	472162	50.0	51.7	
96 2,3,7,8-TCDD	320	10.797	10.797	0.000	94	1541	0.5000	0.5000	
97 Carbamazepine	193	10.845	10.845	0.000	93	399940	50.0	55.2	
98 3,3'-Dichlorobenzidine	252	11.327	11.327	0.000	99	369012	50.0	50.9	
99 Benzo[a]anthracene	228	11.340	11.340	0.000	100	918906	50.0	50.4	
* 100 Chrysene-d12	240	11.353	11.353	0.000	98	542415	40.0	40.0	
101 Chrysene	228	11.385	11.385	0.000	98	841423	50.0	50.3	
102 Bis(2-ethylhexyl) phthalate	149	11.385	11.385	0.000	88	662801	50.0	51.7	
103 Di-n-octyl phthalate	149	12.260	12.260	0.000	97	1182132	50.0	51.6	
104 Benzo[b]fluoranthene	252	12.759	12.759	0.000	97	976259	50.0	52.8	
105 Benzo[k]fluoranthene	252	12.797	12.797	0.000	98	971291	50.0	51.5	
106 Benzo[a]pyrene	252	13.226	13.226	0.000	95	919213	50.0	52.7	
* 107 Perylene-d12	264	13.309	13.309	0.000	98	673701	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.946	14.946	0.000	97	1036472	50.0	54.0	
109 Dibenz(a,h)anthracene	278	14.994	14.994	0.000	97	1027554	50.0	55.2	
110 Benzo[g,h,i]perylene	276	15.413	15.413	0.000	95	971480	50.0	54.7	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

SV_BNA_L7_00007 Amount Added: 1.00 Units: mL

DRAFT

Report Date: 24-Jun-2024 11:36:46 Chrom Revision: 2.3 23-Jun-2024 11:08:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37504.d

Injection Date: 24-Jun-2024 08:05:30 Instrument ID: CBNAMS12 Operator ID:

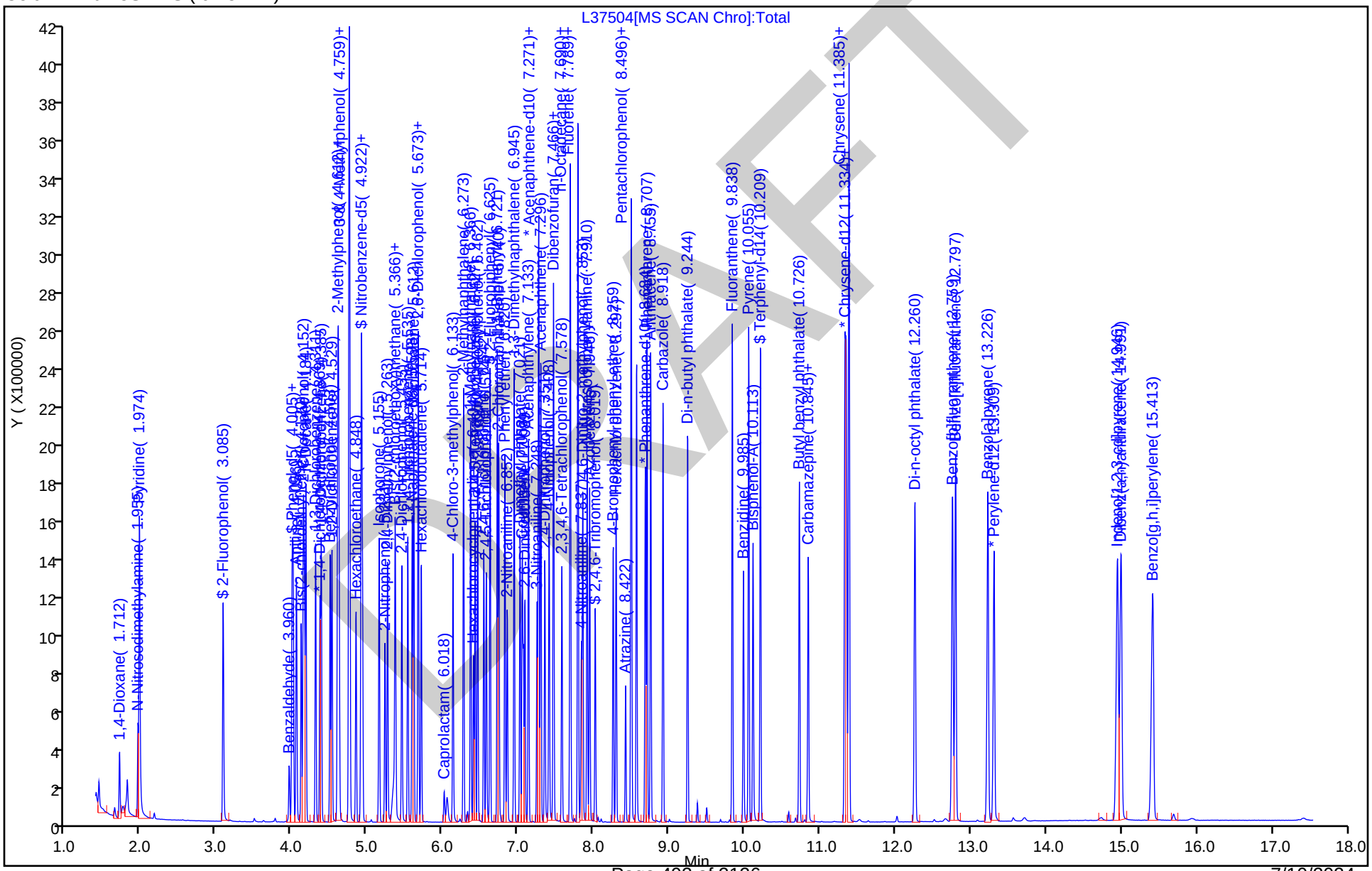
Lims ID: ICIS Worklist Smp#: 2

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 2

Method: 8270_12R_9 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

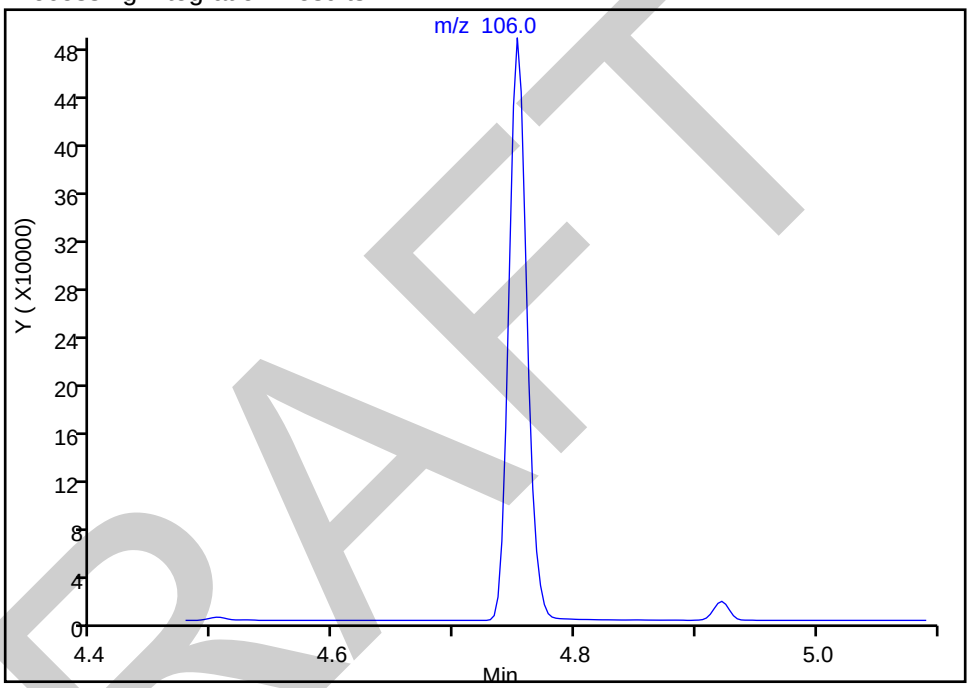
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Injection Date:	24-Jun-2024 08:05:30	Instrument ID:	CBNAMS12		
Lims ID:	ICIS				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

130 N-Methylaniline, CAS: 100-61-8

Signal: 1

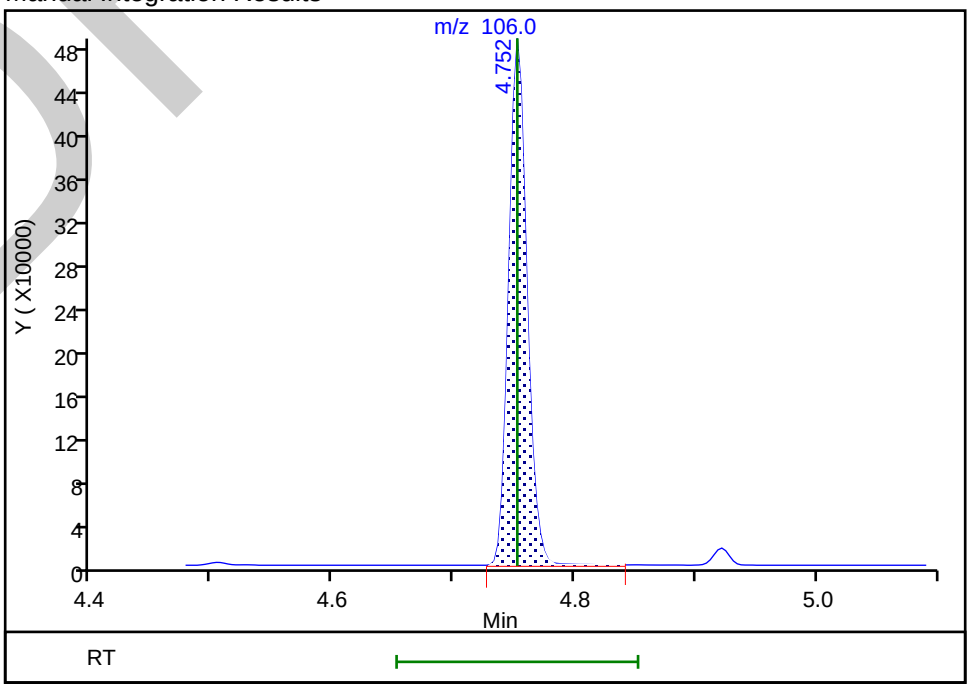
Not Detected
Expected RT: 4.75

Processing Integration Results



Manual Integration Results

RT: 4.75
Area: 513949
Amount: 51.940230
Amount Units: ug/ml



Reviewer: G4KC, 24-Jun-2024 08:28:50 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

DRAFT

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37505.d
Lims ID: STD120
Client ID:
Sample Type: IC Calib Level: 9
Inject. Date: 24-Jun-2024 08:28:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0177545-003
Operator ID: Instrument ID: CBNAMS12
Sublist: chrom-8270_12R_9*sub56

Method: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\8270_12R_9.m
Limit Group: SV 8270E ICAL
Last Update: 24-Jun-2024 11:36:49 Calib Date: 24-Jun-2024 11:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37512.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1642

First Level Reviewer: G4KC Date: 24-Jun-2024 08:55:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.712	1.712	0.000	96	327058	120.0	121.9	
2 N-Nitrosodimethylamine	74	1.961	1.955	0.006	94	569476	120.0	130.7	
3 Pyridine	79	1.977	1.974	0.003	96	1671445	240.0	262.0	
$ 4 2-Fluorophenol	112	3.088	3.085	0.003	94	911054	120.0	137.8	
5 Benzaldehyde	77	3.962	3.960	0.002	97	55860	32.0	9.61	
$ 6 Phenol-d5	99	4.010	4.001	0.009	0	1211999	120.0	136.2	
7 Phenol	94	4.026	4.014	0.012	98	1087568	120.0	122.7	
8 Aniline	93	4.062	4.056	0.006	100	1236511	120.0	121.2	
9 Bis(2-chloroethyl)ether	93	4.129	4.120	0.009	93	795356	120.0	126.6	
10 2-Chlorophenol	128	4.167	4.161	0.006	95	830132	120.0	120.9	
11 n-Decane	43	4.183	4.184	-0.001	92	872499	120.0	114.4	
12 1,3-Dichlorobenzene	146	4.314	4.311	0.003	94	847932	120.0	119.1	
* 13 1,4-Dichlorobenzene-d4	152	4.372	4.369	0.003	96	191068	40.0	40.0	
14 1,4-Dichlorobenzene	146	4.388	4.385	0.003	93	846391	120.0	118.8	
15 Benzyl alcohol	108	4.512	4.503	0.009	92	551378	120.0	125.0	
16 1,2-Dichlorobenzene	146	4.531	4.529	0.002	96	821091	120.0	120.0	
17 2-Methylphenol	108	4.608	4.602	0.006	90	707295	120.0	119.2	
18 2,2'-oxybis[1-chloropropane]	45	4.627	4.621	0.006	94	1133172	120.0	113.2	a
130 N-Methylaniline	106	4.758	4.752	0.006	91	1221187	120.0	119.6	a
20 3 & 4 Methylphenol	108	4.768	4.755	0.013	93	780955	120.0	115.4	
19 4-Methylphenol	108	4.768	4.755	0.013	93	780955	120.0	115.4	
21 N-Nitrosodi-n-propylamine	70	4.771	4.759	0.012	89	598782	120.0	119.9	M
22 Acetophenone	105	4.774	4.765	0.009	94	1038720	120.0	112.2	
25 Hexachloroethane	117	4.848	4.848	0.000	96	341116	120.0	122.8	
$ 26 Nitrobenzene-d5	82	4.921	4.912	0.009	89	951404	120.0	124.6	
28 n,n'-Dimethylaniline	120	4.928	4.922	0.006	97	1176765	120.0	120.2	
27 Nitrobenzene	123	4.944	4.934	0.010	96	384427	120.0	125.5	
29 Isophorone	82	5.167	5.155	0.012	100	1566726	120.0	119.3	
30 2-Nitrophenol	139	5.234	5.231	0.003	92	442497	120.0	122.2	
31 2,4-Dimethylphenol	122	5.269	5.263	0.006	91	594784	120.0	123.9	
32 Bis(2-chloroethoxy)methane	93	5.372	5.366	0.006	97	951175	120.0	117.8	

DRAFT

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
33 Benzoic acid	122	5.423	5.372	0.051	88	580165	120.0	140.5	
34 2,4-Dichlorophenol	162	5.461	5.455	0.006	96	628349	120.0	122.0	
35 1,2,4-Trichlorobenzene	180	5.538	5.535	0.003	94	675661	120.0	118.6	
* 36 Naphthalene-d8	136	5.596	5.593	0.003	99	736190	40.0	40.0	
37 Naphthalene	128	5.618	5.612	0.006	99	2128389	120.0	114.1	
131 2,6-Dichlorophenol	162	5.676	5.673	0.003	98	611295	120.0	121.4	
38 4-Chloroaniline	127	5.682	5.676	0.006	96	936743	120.0	116.7	
39 Hexachlorobutadiene	225	5.714	5.714	0.000	96	375736	120.0	121.5	
40 Caprolactam	113	6.136	6.018	0.118	91	82685	32.0	38.9	M
41 4-Chloro-3-methylphenol	107	6.139	6.133	0.006	97	670574	120.0	122.4	
42 2-Methylnaphthalene	142	6.276	6.273	0.003	86	1443144	120.0	117.0	
43 1-Methylnaphthalene	142	6.369	6.366	0.003	92	1312687	120.0	116.4	
44 Hexachlorocyclopentadiene	237	6.407	6.404	0.003	97	353316	120.0	120.5	
45 1,2,4,5-Tetrachlorobenzene	216	6.430	6.427	0.003	97	661508	120.0	120.8	
46 2-tertbutyl-4-methylphenol	149	6.465	6.462	0.003	90	879469	120.0	119.7	
48 2,4,6-Trichlorophenol	196	6.545	6.542	0.003	89	457559	120.0	126.2	
49 2,4,5-Trichlorophenol	196	6.580	6.574	0.006	97	491501	120.0	125.1	
$ 50 2-Fluorobiphenyl	172	6.628	6.625	0.003	96	1610790	120.0	120.0	
51 1,1'-Biphenyl	154	6.727	6.721	0.006	97	1647665	120.0	115.3	
52 2-Chloronaphthalene	162	6.747	6.740	0.007	97	1316044	120.0	116.9	
53 Phenyl ether	170	6.823	6.823	0.000	88	902733	120.0	117.5	
54 2-Nitroaniline	65	6.862	6.852	0.010	98	459497	120.0	120.1	
55 1,3-Dimethylnaphthalene	156	6.948	6.945	0.003	90	1070483	120.0	118.3	
58 Dimethyl phthalate	163	7.035	7.021	0.014	98	1514695	120.0	119.5	
59 Coumarin	146	7.060	7.053	0.007	84	561428	120.0	120.4	
60 2,6-Dinitrotoluene	165	7.099	7.089	0.010	95	349098	120.0	124.5	
61 Acenaphthylene	152	7.140	7.137	0.003	97	1978545	120.0	116.2	
62 3-Nitroaniline	138	7.258	7.248	0.010	95	431453	120.0	123.6	
* 63 Acenaphthene-d10	164	7.268	7.268	0.000	97	374523	40.0	40.0	
64 3,5-di-tert-butyl-4-hydroxytol	205	7.278	7.274	0.004	98	989615	120.0	126.8	
65 Acenaphthene	154	7.303	7.300	0.003	97	1208636	120.0	117.3	
66 2,4-Dinitrophenol	184	7.361	7.351	0.010	96	483021	240.0	260.3	
67 4-Nitrophenol	65	7.422	7.408	0.014	93	619052	240.0	253.6	
69 Dibenzofuran	168	7.470	7.466	0.004	97	1777822	120.0	115.5	
68 2,4-Dinitrotoluene	165	7.479	7.469	0.010	94	473633	120.0	126.3	
70 2,3,4,6-Tetrachlorophenol	232	7.582	7.578	0.004	94	398018	120.0	125.5	
72 n-Octadecane	57	7.690	7.687	0.003	94	990817	120.0	110.8	
71 Diethyl phthalate	149	7.700	7.693	0.007	98	1482623	120.0	114.5	
74 Fluorene	166	7.796	7.789	0.007	93	1401279	120.0	113.6	
73 4-Chlorophenyl phenyl ether	204	7.796	7.792	0.004	78	636670	120.0	114.2	
75 4-Nitroaniline	138	7.860	7.837	0.023	95	410480	120.0	123.8	
76 4,6-Dinitro-2-methylphenol	198	7.870	7.856	0.014	89	591417	240.0	263.9	
77 N-Nitrosodiphenylamine	169	7.921	7.910	0.011	98	1058631	120.0	117.3	
78 1,2-Diphenylhydrazine	77	7.953	7.946	0.007	98	1626246	120.0	115.2	
132 Azobenzene	77	7.953	7.946	0.007	97	1633617	120.0	115.7	
$ 79 2,4,6-Tribromophenol	330	8.027	8.019	0.007	94	374260	120.0	136.0	
80 4-Bromophenyl phenyl ether	248	8.263	8.259	0.004	91	448835	120.0	123.5	
81 Hexachlorobenzene	284	8.302	8.297	0.005	96	582192	120.0	126.0	
82 Atrazine	200	8.430	8.422	0.008	89	113412	32.0	33.6	
83 Pentachlorophenol	266	8.503	8.496	0.007	95	716068	240.0	256.5	
84 Pentachloronitrobenzene	237	8.506	8.499	0.007	89	204893	120.0	123.9	
* 85 Phenanthrene-d10	188	8.686	8.684	0.002	98	696186	40.0	40.0	

DRAFT

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
86 Phenanthrene	178	8.711	8.707	0.004	99	2031326	120.0	114.2	
87 Anthracene	178	8.763	8.755	0.008	97	2097666	120.0	115.5	
88 Carbazole	167	8.926	8.918	0.008	96	1994709	120.0	116.1	
89 Di-n-butyl phthalate	149	9.248	9.247	0.001	99	2504981	120.0	116.6	
90 Fluoranthene	202	9.843	9.838	0.005	96	2228781	120.0	117.2	
91 Benzidine	184	9.990	9.985	0.005	99	1076079	120.0	105.6	
92 Pyrene	202	10.060	10.055	0.005	95	2249687	120.0	114.5	
93 Bisphenol-A	213	10.118	10.113	0.005	98	1105271	120.0	126.4	
$ 94 Terphenyl-d14	244	10.214	10.212	0.002	97	1965721	120.0	121.3	
95 Butyl benzyl phthalate	149	10.729	10.726	0.003	97	1128270	120.0	122.9	
97 Carbamazepine	193	10.857	10.845	0.012	93	1022694	120.0	140.5	
98 3,3'-Dichlorobenzidine	252	11.336	11.327	0.009	99	872369	120.0	119.7	
99 Benzo[a]anthracene	228	11.346	11.340	0.006	99	2143599	120.0	117.0	
* 100 Chrysene-d12	240	11.359	11.353	0.006	99	545308	40.0	40.0	
101 Chrysene	228	11.394	11.385	0.009	98	1894766	120.0	112.7	
102 Bis(2-ethylhexyl) phthalate	149	11.388	11.385	0.003	87	1491916	120.0	115.8	
103 Di-n-octyl phthalate	149	12.267	12.260	0.007	97	2836379	120.0	120.5	
104 Benzo[b]fluoranthene	252	12.772	12.759	0.013	98	2412858	120.0	127.0	
105 Benzo[k]fluoranthene	252	12.813	12.797	0.016	98	2381614	120.0	122.9	
106 Benzo[a]pyrene	252	13.242	13.226	0.016	95	2270377	120.0	126.7	
* 107 Perylene-d12	264	13.316	13.309	0.007	98	692232	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.965	14.946	0.019	98	2675535	120.0	135.6	
109 Dibenz(a,h)anthracene	278	15.017	14.994	0.023	97	2574425	120.0	134.7	
110 Benzo[g,h,i]perylene	276	15.442	15.413	0.029	95	2438976	120.0	133.6	
S 117 Total Cresols	1				0			234.6	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SV_BNA_L9_00006 Amount Added: 1.00 Units: mL

DRAFT

Report Date: 24-Jun-2024 11:36:51 Chrom Revision: 2.3 23-Jun-2024 11:08:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37505.d

Injection Date: 24-Jun-2024 08:28:30 Instrument ID: CBNAMS12 Operator ID:

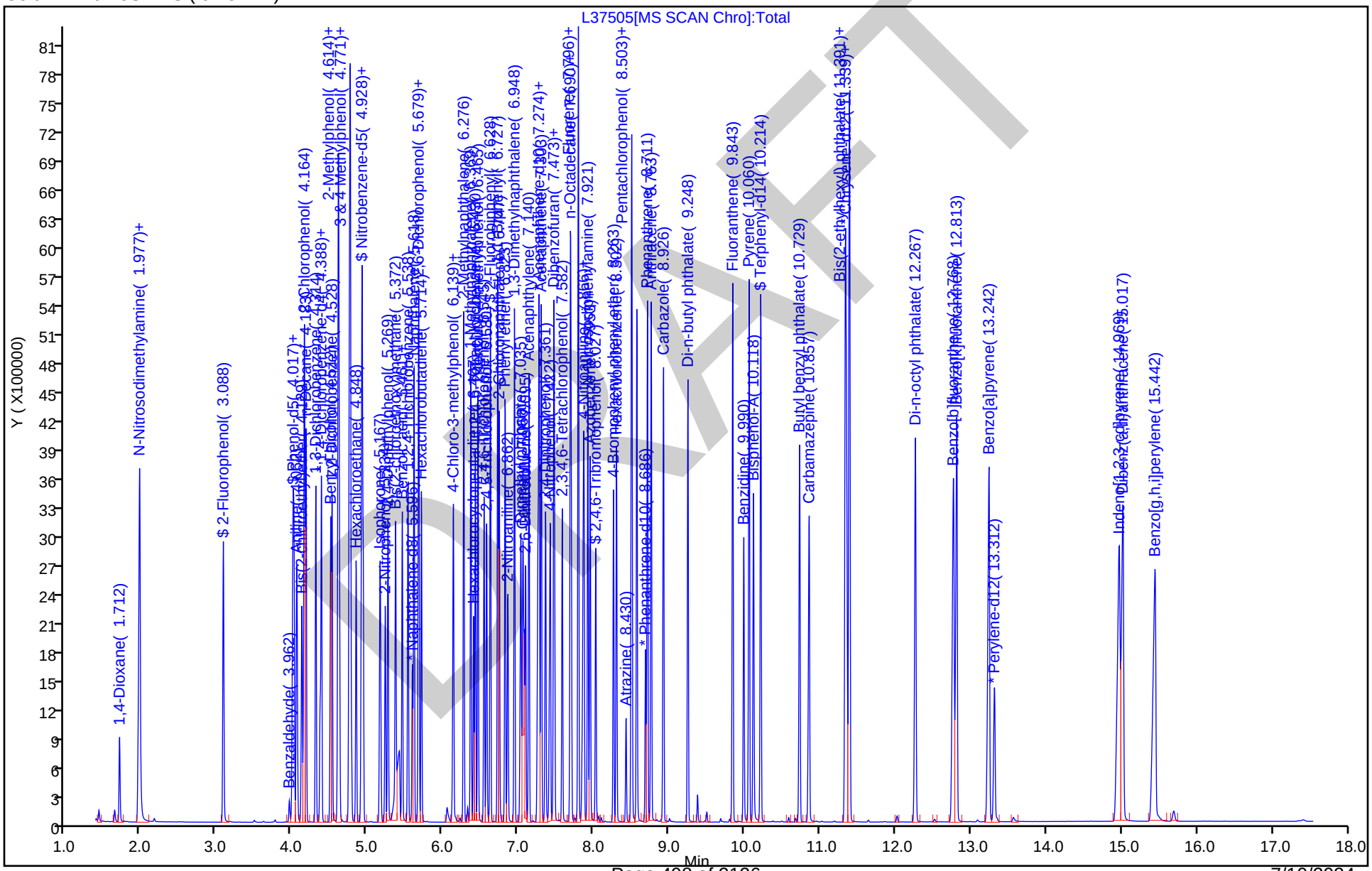
Lims ID: STD120 Worklist Smp#: 3

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 3

Method: 8270_12R_9 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

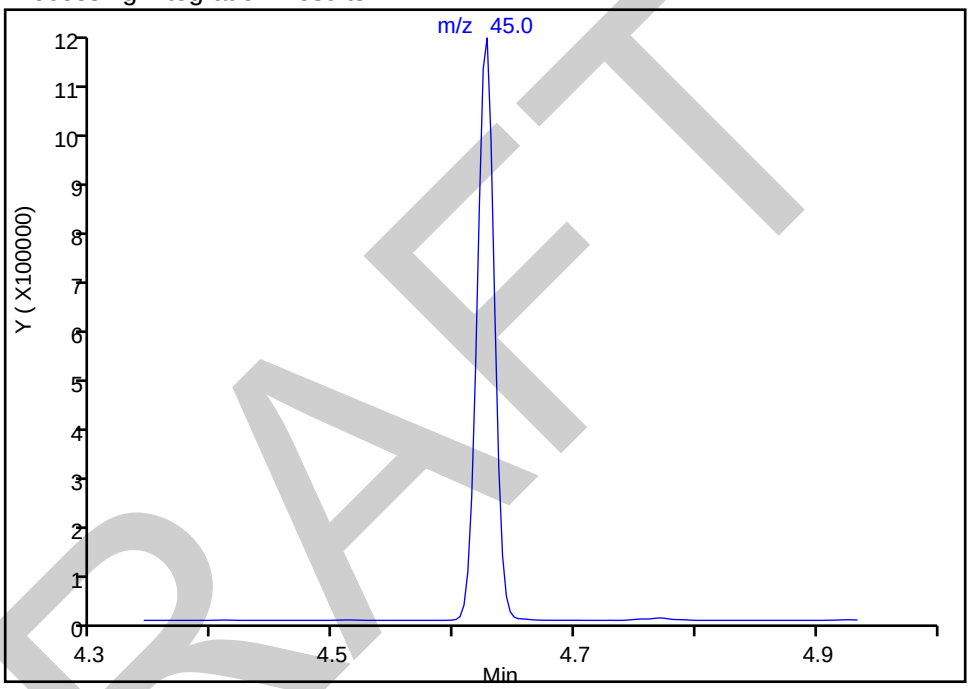
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Injection Date:	24-Jun-2024 08:28:30	Instrument ID:	CBNAMS12		
Lims ID:	STD120				
Client ID:					
Operator ID:		ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

18 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Signal: 1

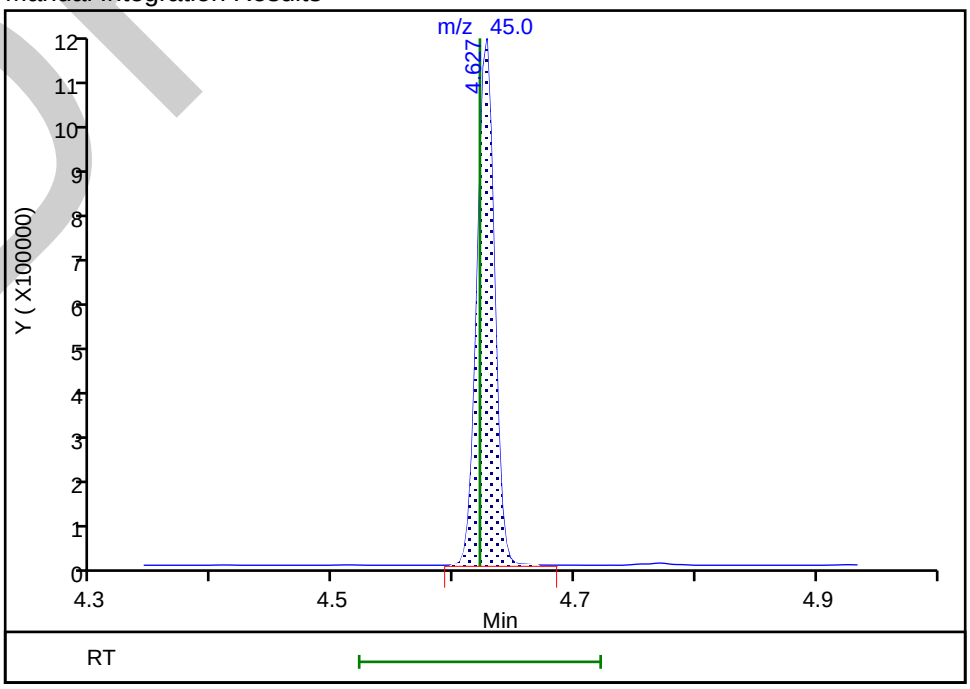
Processing Integration Results

Not Detected
Expected RT: 4.62



Manual Integration Results

RT: 4.63
Area: 1133172
Amount: 113.2337
Amount Units: ug/ml



Reviewer: G4KC, 24-Jun-2024 08:55:18 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

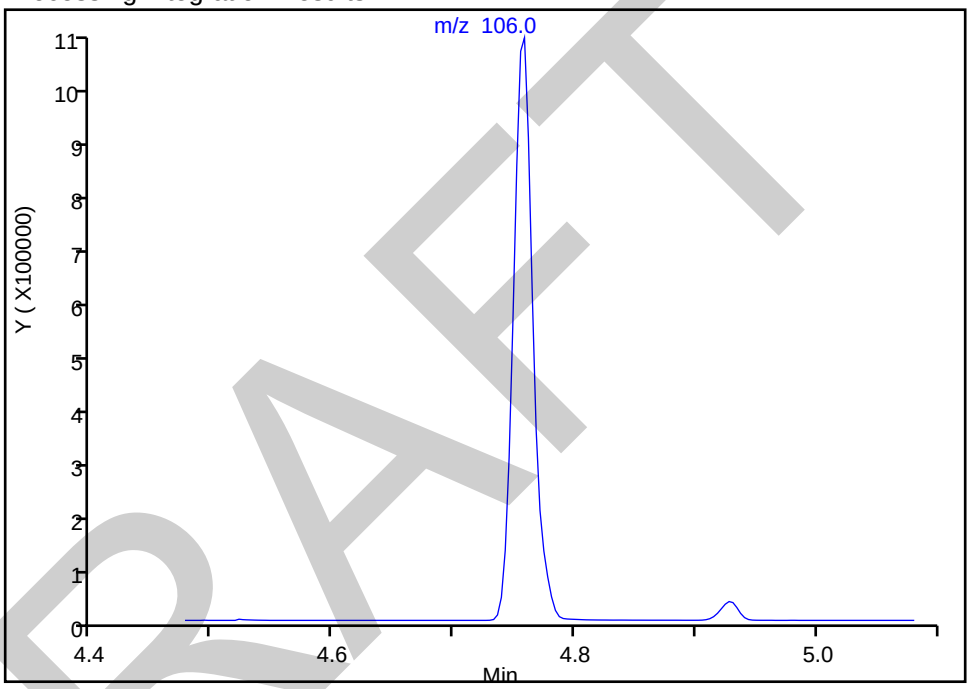
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Injection Date:	24-Jun-2024 08:28:30	Instrument ID:	CBNAMS12		
Lims ID:	STD120				
Client ID:					
Operator ID:		ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

130 N-Methylaniline, CAS: 100-61-8

Signal: 1

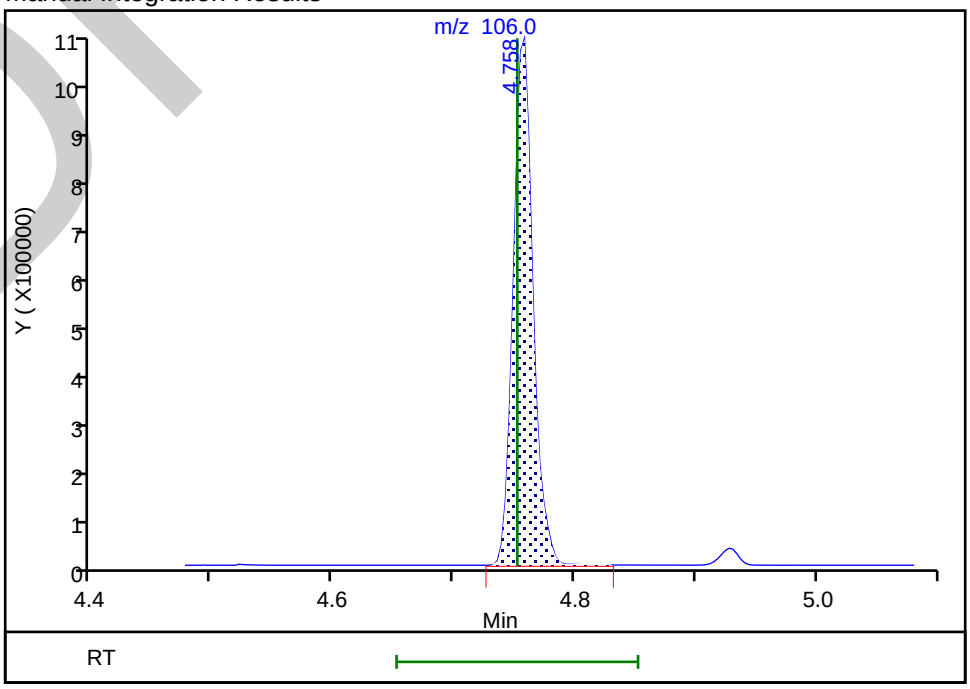
Not Detected
Expected RT: 4.75

Processing Integration Results



Manual Integration Results

RT: 4.76
Area: 1221187
Amount: 119.6042
Amount Units: ug/ml



Reviewer: G4KC, 24-Jun-2024 08:55:20 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

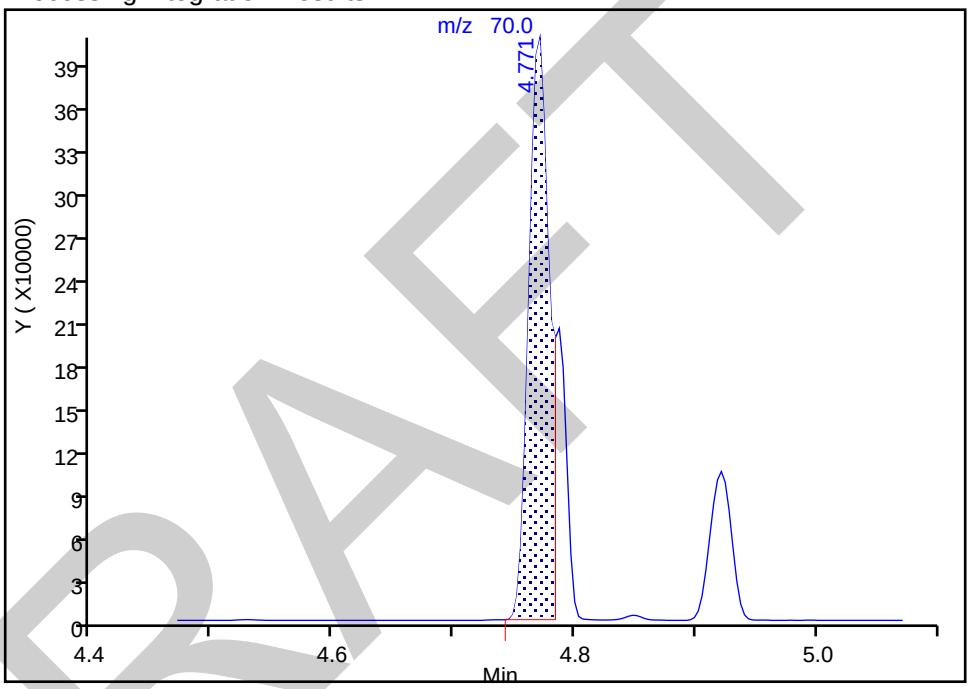
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Injection Date: 24-Jun-2024 08:28:30 Instrument ID: CBNAMS12
Lims ID: STD120
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_12R_9 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

21 N-Nitrosodi-n-propylamine, CAS: 621-64-7

Signal: 1

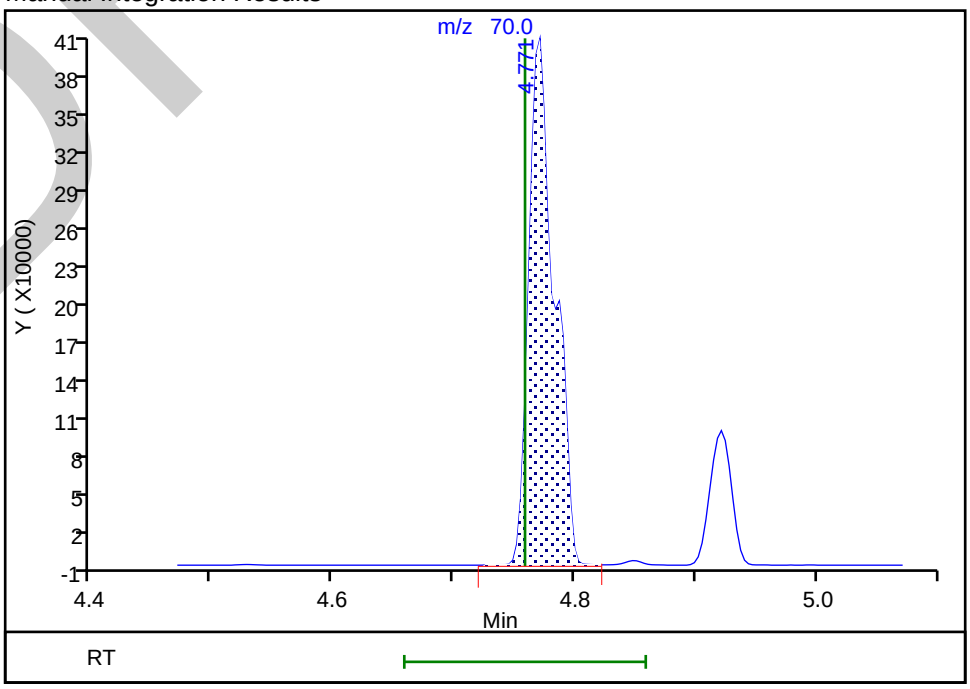
Processing Integration Results

RT: 4.77
Area: 490650
Amount: 103.8051
Amount Units: ug/ml



Manual Integration Results

RT: 4.77
Area: 598782
Amount: 119.8678
Amount Units: ug/ml



Reviewer: G4KC, 24-Jun-2024 08:55:28 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

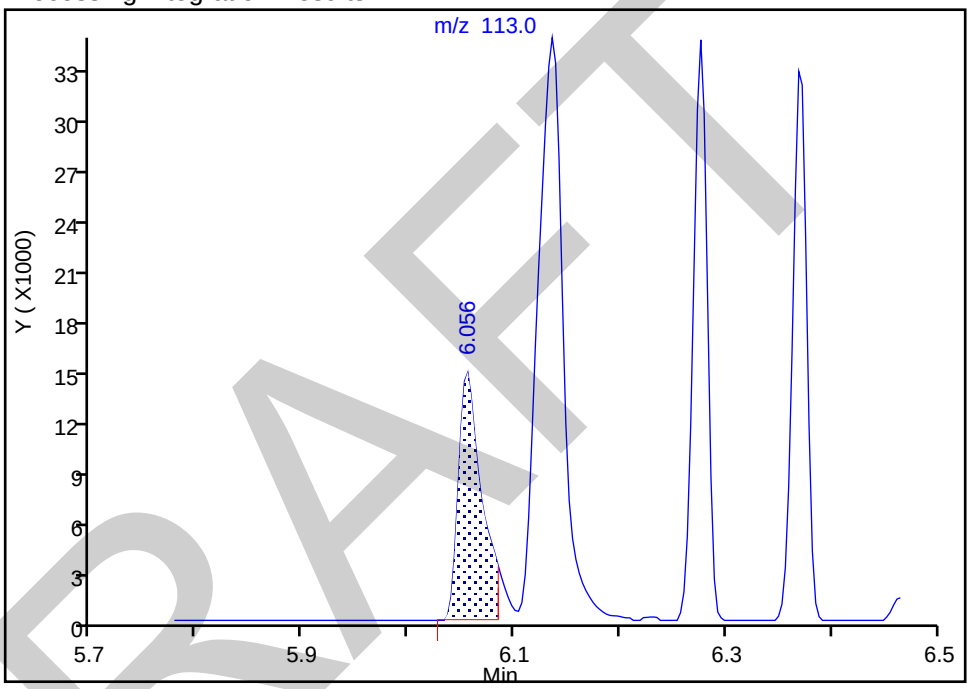
Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37505.d
Injection Date: 24-Jun-2024 08:28:30 Instrument ID: CBNAMS12
Lims ID: STD120
Client ID:
Operator ID: ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_12R_9 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

40 Caprolactam, CAS: 105-60-2

Signal: 1

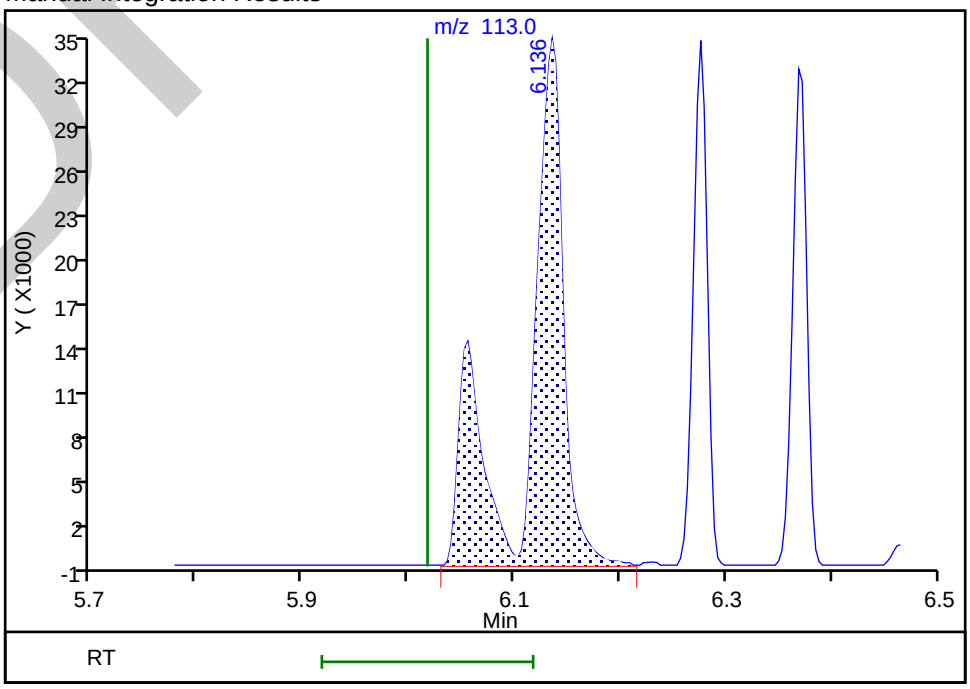
Processing Integration Results

RT: 6.06
Area: 22785
Amount: 16.941482
Amount Units: ug/ml



Manual Integration Results

RT: 6.14
Area: 82685
Amount: 38.868989
Amount Units: ug/ml



Reviewer: G4KC, 24-Jun-2024 08:55:07 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

DRAFT

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37506.d
Lims ID: STD80
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 24-Jun-2024 08:50:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0177545-004
Operator ID: Instrument ID: CBNAMS12
Sublist: chrom-8270_12R_9*sub56

Method: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\8270_12R_9.m
Limit Group: SV 8270E ICAL
Last Update: 24-Jun-2024 11:36:54 Calib Date: 24-Jun-2024 11:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37512.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1642

First Level Reviewer: G4KC Date: 24-Jun-2024 09:17:47

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.712	1.712	0.000	96	219824	80.0	77.0	
2 N-Nitrosodimethylamine	74	1.958	1.955	0.003	91	388100	80.0	83.6	
3 Pyridine	79	1.977	1.974	0.003	92	1148436	160.0	169.1	
$ 4 2-Fluorophenol	112	3.085	3.085	0.000	94	643454	80.0	91.4	
5 Benzaldehyde	77	3.963	3.960	0.003	97	67293	24.0	10.9	
$ 6 Phenol-d5	99	4.004	4.001	0.003	0	859500	80.0	90.7	
7 Phenol	94	4.020	4.014	0.006	98	757498	80.0	80.3	
8 Aniline	93	4.059	4.056	0.003	100	868315	80.0	80.0	
9 Bis(2-chloroethyl)ether	93	4.126	4.120	0.006	93	553031	80.0	82.7	
10 2-Chlorophenol	128	4.164	4.161	0.003	96	580069	80.0	79.3	
11 n-Decane	43	4.183	4.184	-0.001	92	611849	80.0	75.4	
12 1,3-Dichlorobenzene	146	4.314	4.311	0.003	95	589816	80.0	77.8	
* 13 1,4-Dichlorobenzene-d4	152	4.372	4.369	0.003	96	203439	40.0	40.0	
14 1,4-Dichlorobenzene	146	4.388	4.385	0.003	93	591613	80.0	78.0	
15 Benzyl alcohol	108	4.509	4.503	0.006	92	377205	80.0	80.3	
16 1,2-Dichlorobenzene	146	4.528	4.529	-0.001	96	568899	80.0	78.1	
17 2-Methylphenol	108	4.605	4.602	0.003	90	495619	80.0	78.5	
18 2,2'-oxybis[1-chloropropane]	45	4.624	4.621	0.003	94	801624	80.0	75.2	
130 N-Methylaniline	106	4.755	4.752	0.003	93	837860	80.0	77.1	a
20 3 & 4 Methylphenol	108	4.762	4.755	0.007	91	548214	80.0	76.1	
19 4-Methylphenol	108	4.762	4.755	0.007	90	548214	80.0	76.1	
21 N-Nitrosodi-n-propylamine	70	4.765	4.759	0.006	69	417265	80.0	78.5	
22 Acetophenone	105	4.768	4.765	0.003	93	736879	80.0	74.8	
25 Hexachloroethane	117	4.848	4.848	0.000	96	231481	80.0	78.3	
$ 26 Nitrobenzene-d5	82	4.918	4.912	0.006	89	680796	80.0	84.3	
28 n,n'-Dimethylaniline	120	4.925	4.922	0.003	97	818112	80.0	78.5	
27 Nitrobenzene	123	4.937	4.934	0.003	96	267308	80.0	82.0	
29 Isophorone	82	5.161	5.155	0.006	100	1067852	80.0	76.8	
30 2-Nitrophenol	139	5.234	5.231	0.003	92	302751	80.0	79.0	
31 2,4-Dimethylphenol	122	5.266	5.263	0.003	91	408694	80.0	80.5	
32 Bis(2-chloroethoxy)methane	93	5.369	5.366	0.003	97	656226	80.0	76.8	

DRAFT

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
33 Benzoic acid	122	5.401	5.372	0.029	90	400726	80.0	91.7	
34 2,4-Dichlorophenol	162	5.458	5.455	0.003	96	430496	80.0	79.0	
35 1,2,4-Trichlorobenzene	180	5.535	5.535	0.000	95	467402	80.0	77.5	
* 36 Naphthalene-d8	136	5.592	5.593	-0.001	99	778904	40.0	40.0	
37 Naphthalene	128	5.615	5.612	0.003	99	1490547	80.0	75.5	
131 2,6-Dichlorophenol	162	5.672	5.673	-0.001	98	419351	80.0	78.7	
38 4-Chloroaniline	127	5.679	5.676	0.003	96	660478	80.0	77.8	
39 Hexachlorobutadiene	225	5.714	5.714	0.000	96	255170	80.0	78.0	
40 Caprolactam	113	6.094	6.018	0.076	90	47955	24.0	21.6	M
41 4-Chloro-3-methylphenol	107	6.136	6.133	0.003	96	461960	80.0	79.7	
42 2-Methylnaphthalene	142	6.273	6.273	0.000	84	1004869	80.0	77.0	
43 1-Methylnaphthalene	142	6.369	6.366	0.003	93	923690	80.0	77.4	
44 Hexachlorocyclopentadiene	237	6.407	6.404	0.003	97	256309	80.0	82.2	
45 1,2,4,5-Tetrachlorobenzene	216	6.430	6.427	0.003	97	454896	80.0	78.1	
46 2-tertbutyl-4-methylphenol	149	6.462	6.462	0.000	90	605967	80.0	78.0	
48 2,4,6-Trichlorophenol	196	6.545	6.542	0.003	89	313145	80.0	81.2	
49 2,4,5-Trichlorophenol	196	6.577	6.574	0.003	96	334710	80.0	80.1	
$ 50 2-Fluorobiphenyl	172	6.628	6.625	0.003	97	1159508	80.0	81.2	
51 1,1'-Biphenyl	154	6.724	6.721	0.003	97	1163931	80.0	76.6	
52 2-Chloronaphthalene	162	6.743	6.740	0.003	97	923873	80.0	77.1	
53 Phenyl ether	170	6.823	6.823	0.000	88	641522	80.0	78.5	
54 2-Nitroaniline	65	6.855	6.852	0.003	98	318499	80.0	78.2	
55 1,3-Dimethylnaphthalene	156	6.945	6.945	0.000	92	749414	80.0	77.9	
58 Dimethyl phthalate	163	7.028	7.021	0.007	98	1045402	80.0	77.5	
59 Coumarin	146	7.057	7.053	0.004	80	385177	80.0	78.1	
60 2,6-Dinitrotoluene	165	7.092	7.089	0.003	95	239861	80.0	80.4	
61 Acenaphthylene	152	7.137	7.137	0.000	97	1391631	80.0	76.8	
62 3-Nitroaniline	138	7.252	7.248	0.004	95	298703	80.0	80.4	
* 63 Acenaphthene-d10	164	7.268	7.268	0.000	97	398409	40.0	40.0	
64 3,5-di-tert-butyl-4-hydroxytol	205	7.274	7.274	0.000	98	664541	80.0	80.1	
65 Acenaphthene	154	7.300	7.300	0.000	97	836557	80.0	76.3	
66 2,4-Dinitrophenol	184	7.357	7.351	0.006	95	325848	160.0	166.1	
67 4-Nitrophenol	65	7.415	7.408	0.007	94	430925	160.0	165.9	
69 Dibenzofuran	168	7.466	7.466	0.000	96	1241871	80.0	75.9	
68 2,4-Dinitrotoluene	165	7.473	7.469	0.004	92	327887	80.0	82.2	
70 2,3,4,6-Tetrachlorophenol	232	7.578	7.578	0.000	93	272567	80.0	80.8	
72 n-Octadecane	57	7.687	7.687	0.000	93	701553	80.0	73.2	
71 Diethyl phthalate	149	7.696	7.693	0.003	98	1075755	80.0	78.1	
74 Fluorene	166	7.792	7.789	0.003	92	1002799	80.0	76.4	
73 4-Chlorophenyl phenyl ether	204	7.792	7.792	0.000	77	452990	80.0	76.4	
75 4-Nitroaniline	138	7.847	7.837	0.010	94	285735	80.0	81.0	
76 4,6-Dinitro-2-methylphenol	198	7.863	7.856	0.007	90	409820	160.0	170.6	
77 N-Nitrosodiphenylamine	169	7.917	7.910	0.007	98	738644	80.0	76.4	
78 1,2-Diphenylhydrazine	77	7.949	7.946	0.003	98	1140683	80.0	75.4	
132 Azobenzene	77	7.949	7.946	0.003	97	1141088	80.0	75.4	
$ 79 2,4,6-Tribromophenol	330	8.023	8.019	0.004	93	263515	80.0	90.0	
80 4-Bromophenyl phenyl ether	248	8.259	8.259	0.000	92	307970	80.0	79.1	
81 Hexachlorobenzene	284	8.298	8.297	0.001	96	395221	80.0	79.8	
82 Atrazine	200	8.426	8.422	0.004	89	91399	24.0	25.3	
83 Pentachlorophenol	266	8.499	8.496	0.003	94	503815	160.0	168.4	
84 Pentachloronitrobenzene	237	8.502	8.499	0.003	89	140231	80.0	79.1	
* 85 Phenanthrene-d10	188	8.685	8.684	0.001	99	746102	40.0	40.0	

DRAFT

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
86 Phenanthrene	178	8.707	8.707	0.000	99	1443670	80.0	75.8	
87 Anthracene	178	8.759	8.755	0.004	97	1481578	80.0	76.1	
88 Carbazole	167	8.922	8.918	0.004	96	1410964	80.0	76.6	
89 Di-n-butyl phthalate	149	9.247	9.247	0.000	99	1782053	80.0	77.4	
90 Fluoranthene	202	9.838	9.838	0.000	96	1578353	80.0	77.5	
91 Benzidine	184	9.989	9.985	0.004	100	857560	80.0	78.6	
92 Pyrene	202	10.059	10.055	0.004	95	1618409	80.0	76.5	
93 Bisphenol-A	213	10.114	10.113	0.001	98	762358	80.0	80.9	
$ 94 Terphenyl-d14	244	10.213	10.212	0.001	97	1468333	80.0	84.1	
95 Butyl benzyl phthalate	149	10.727	10.726	0.001	97	788351	80.0	79.7	
97 Carbamazepine	193	10.852	10.845	0.007	93	695960	80.0	88.8	
98 3,3'-Dichlorobenzidine	252	11.331	11.327	0.004	99	658736	80.0	83.9	
99 Benzo[a]anthracene	228	11.344	11.340	0.004	100	1510569	80.0	76.6	
* 100 Chrysene-d12	240	11.357	11.353	0.004	98	587432	40.0	40.0	
101 Chrysene	228	11.389	11.385	0.004	97	1361149	80.0	75.1	
102 Bis(2-ethylhexyl) phthalate	149	11.386	11.385	0.001	85	1071950	80.0	77.2	
103 Di-n-octyl phthalate	149	12.261	12.260	0.001	97	1990417	80.0	79.7	
104 Benzo[b]fluoranthene	252	12.763	12.759	0.004	97	1645126	80.0	81.7	
105 Benzo[k]fluoranthene	252	12.808	12.797	0.011	98	1663035	80.0	80.9	
106 Benzo[a]pyrene	252	13.233	13.226	0.007	95	1575727	80.0	82.9	
* 107 Perylene-d12	264	13.310	13.309	0.001	98	734261	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.956	14.946	0.010	98	1806770	80.0	86.4	
109 Dibenz(a,h)anthracene	278	15.005	14.994	0.011	98	1766938	80.0	87.1	
110 Benzo[g,h,i]perylene	276	15.430	15.413	0.017	96	1657976	80.0	85.6	
S 117 Total Cresols	1				0			154.5	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SV_BNA_L8_00006 Amount Added: 1.00 Units: mL

DRAFT

Report Date: 24-Jun-2024 11:36:56 Chrom Revision: 2.3 23-Jun-2024 11:08:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37506.d

Injection Date: 24-Jun-2024 08:50:30 Instrument ID: CBNAMS12 Operator ID:

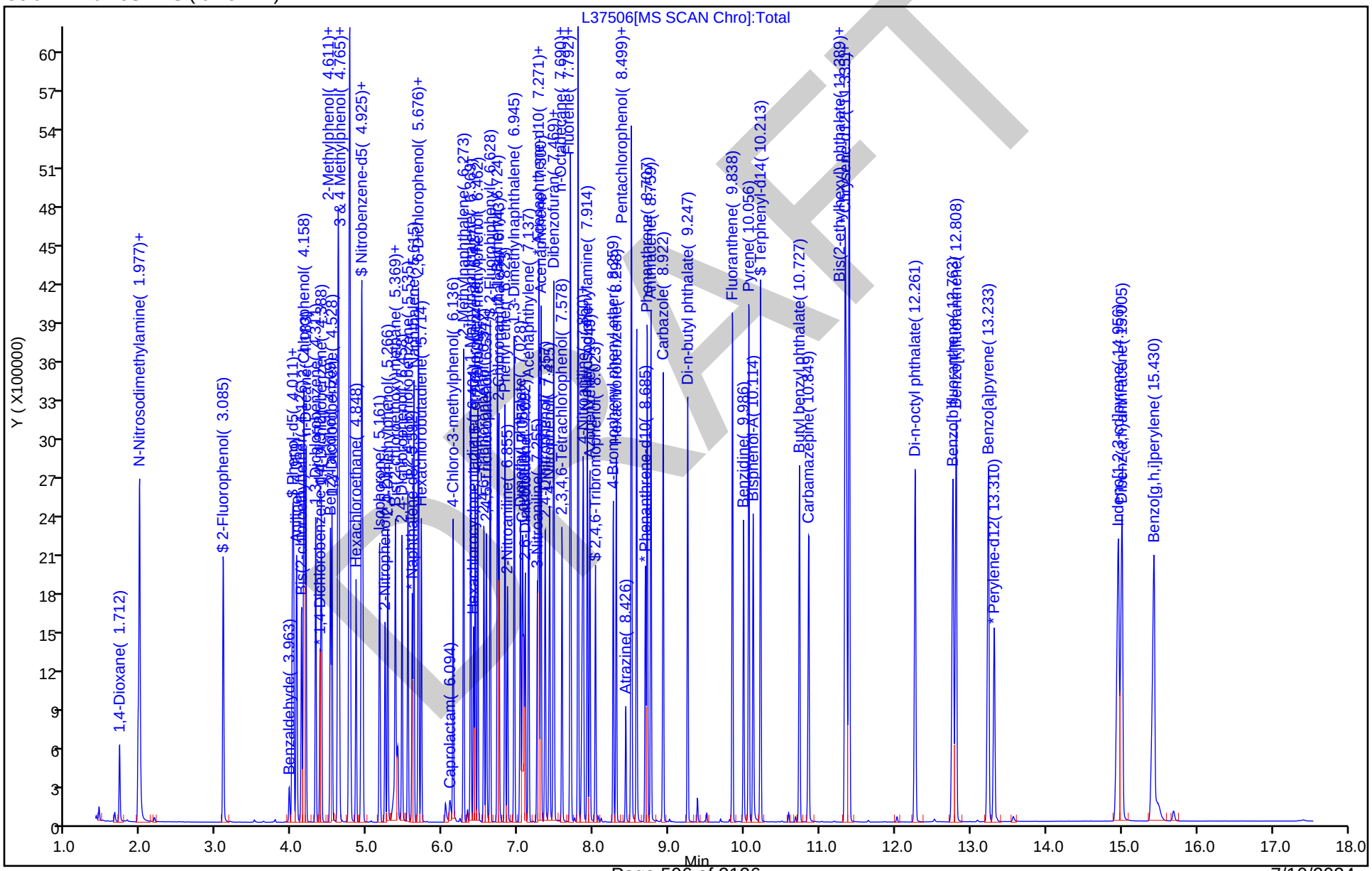
Lims ID: STD80 Worklist Smp#: 4

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 4

Method: 8270_12R_9 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

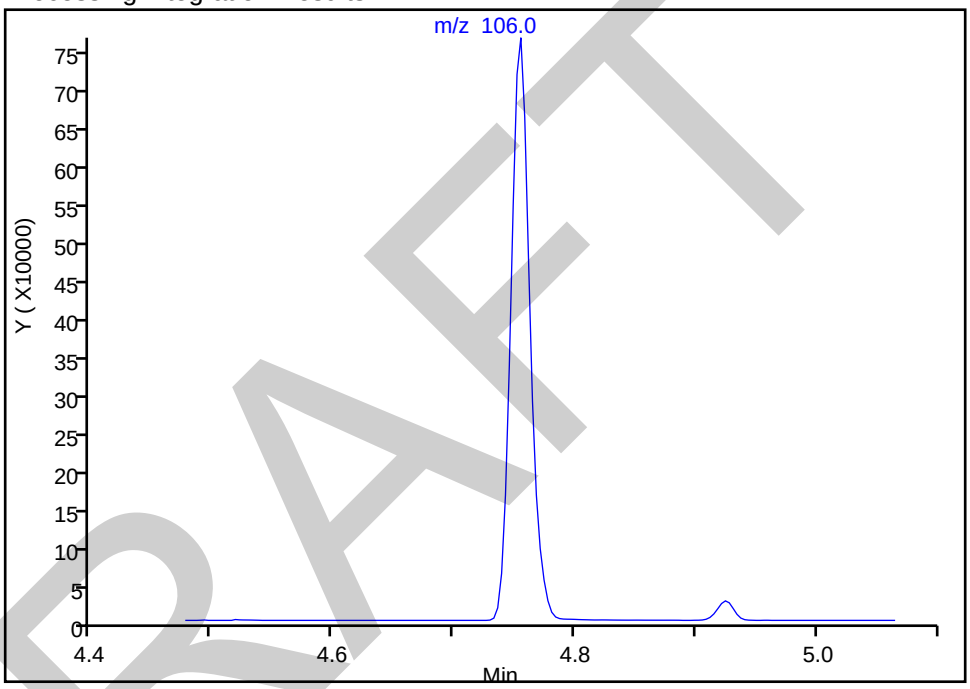
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Injection Date:	24-Jun-2024 08:50:30	Instrument ID:	CBNAMS12		
Lims ID:	STD80				
Client ID:					
Operator ID:		ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

130 N-Methylaniline, CAS: 100-61-8

Signal: 1

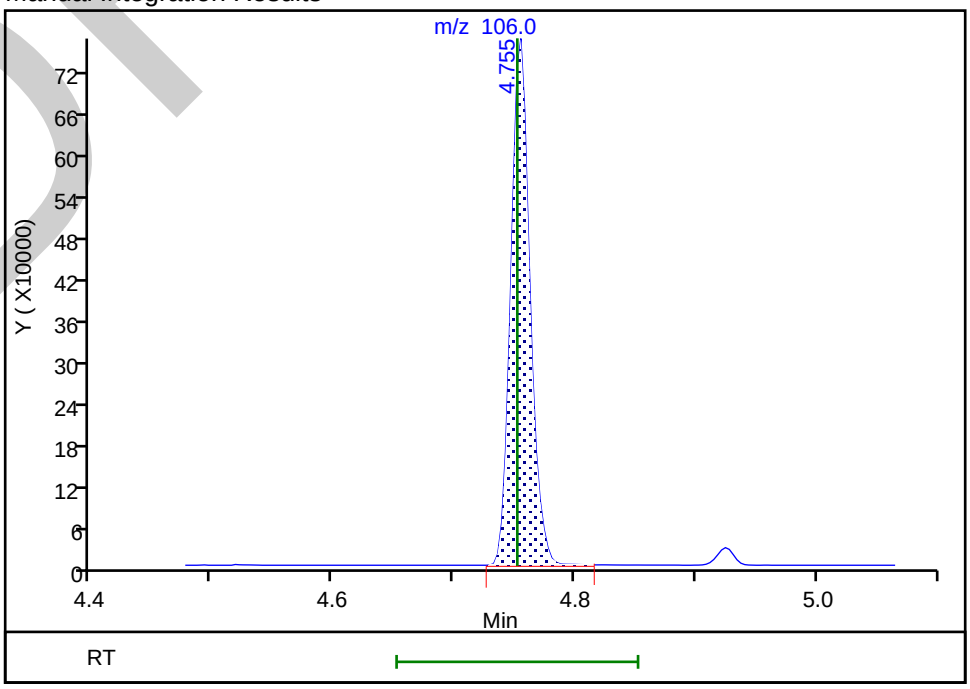
Not Detected
Expected RT: 4.75

Processing Integration Results



Manual Integration Results

RT: 4.76
Area: 837860
Amount: 77.070712
Amount Units: ug/ml



Reviewer: G4KC, 24-Jun-2024 09:12:34 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

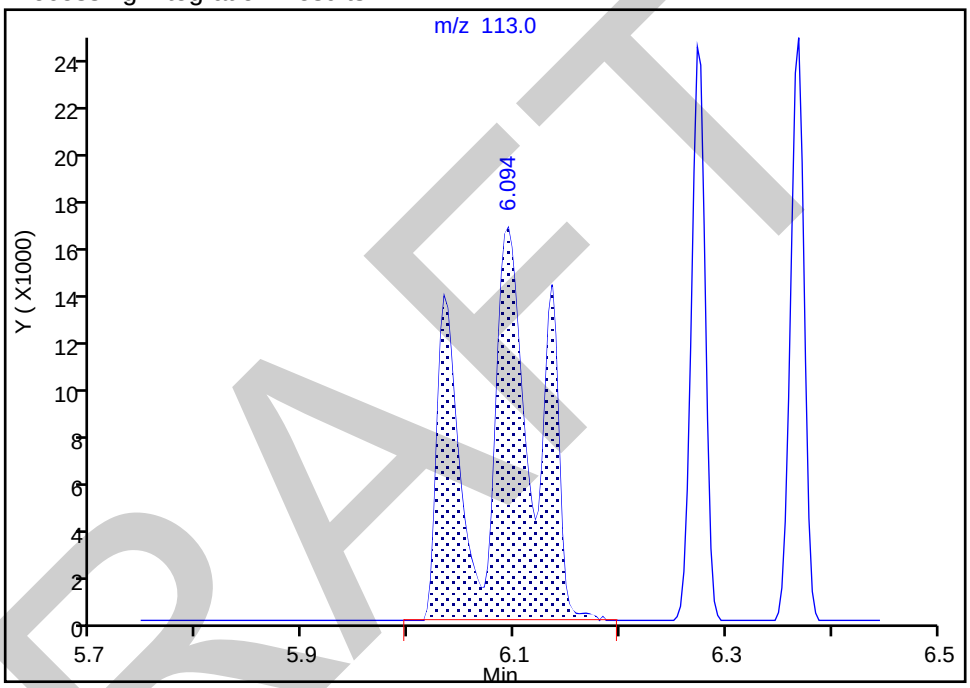
Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37506.d
Injection Date: 24-Jun-2024 08:50:30 Instrument ID: CBNAMS12
Lims ID: STD80
Client ID:
Operator ID: ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_12R_9 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

40 Caprolactam, CAS: 105-60-2

Signal: 1

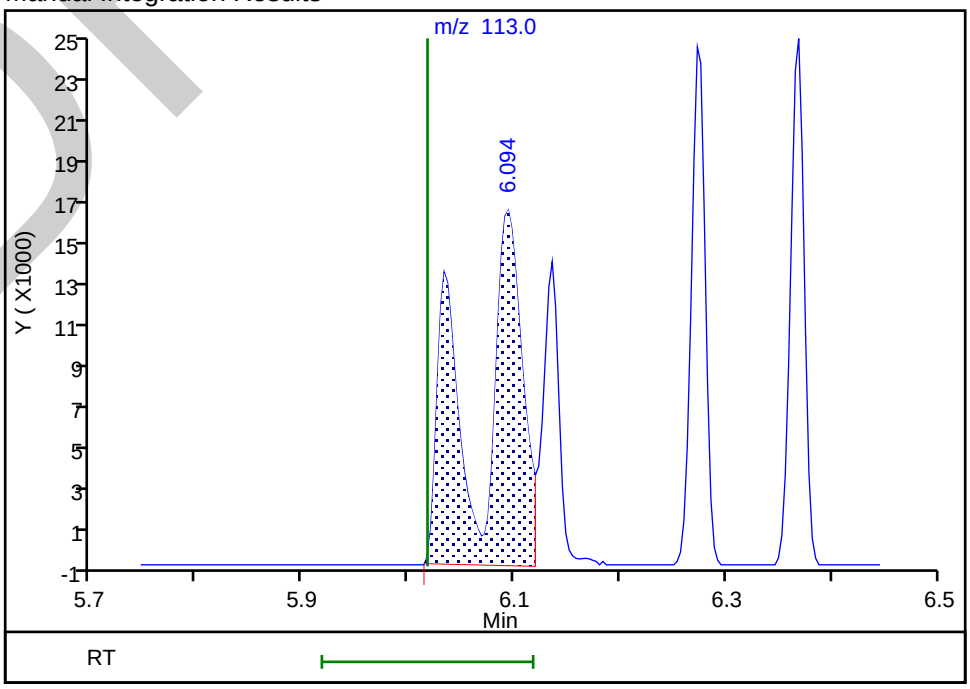
Processing Integration Results

RT: 6.09
Area: 62308
Amount: 25.183220
Amount Units: ug/ml



Manual Integration Results

RT: 6.09
Area: 47955
Amount: 21.630934
Amount Units: ug/ml



Reviewer: G4KC, 24-Jun-2024 09:17:11 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Poor chromatography

DRAFT

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37507.d
Lims ID: STD20
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 24-Jun-2024 09:13:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0177545-005
Operator ID: Instrument ID: CBNAMS12
Sublist: chrom-8270_12R_9*sub56

Method: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\8270_12R_9.m
Limit Group: SV 8270E ICAL
Last Update: 24-Jun-2024 11:36:59 Calib Date: 24-Jun-2024 11:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37512.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1642

First Level Reviewer: G4KC Date: 24-Jun-2024 09:38:21

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.712	1.712	0.000	96	55795	20.0	19.3	
	2 N-Nitrosodimethylamine	74	1.955	1.955	0.000	91	90821	20.0	19.3	
	3 Pyridine	79	1.977	1.974	0.003	92	288989	40.0	42.0	
$	4 2-Fluorophenol	112	3.085	3.085	0.000	94	147052	20.0	20.6	
	5 Benzaldehyde	77	3.959	3.960	-0.001	97	101178	16.0	16.1	
$	6 Phenol-d5	99	3.998	4.001	-0.003	0	198848	20.0	20.7	
	7 Phenol	94	4.010	4.014	-0.004	98	192789	20.0	20.2	
	8 Aniline	93	4.055	4.056	-0.001	100	225098	20.0	20.5	
	9 Bis(2-chloroethyl)ether	93	4.116	4.120	-0.004	93	142586	20.0	21.0	
	10 2-Chlorophenol	128	4.161	4.161	0.000	96	150149	20.0	20.3	
	11 n-Decane	43	4.180	4.184	-0.004	93	168569	20.0	20.5	
	12 1,3-Dichlorobenzene	146	4.311	4.311	0.000	95	157169	20.0	20.5	
*	13 1,4-Dichlorobenzene-d4	152	4.368	4.369	-0.001	97	206059	40.0	40.0	
	14 1,4-Dichlorobenzene	146	4.384	4.385	-0.001	94	155161	20.0	20.2	
	15 Benzyl alcohol	108	4.502	4.503	-0.001	92	95606	20.0	20.1	
	16 1,2-Dichlorobenzene	146	4.528	4.529	-0.001	95	149140	20.0	20.2	
	17 2-Methylphenol	108	4.598	4.602	-0.004	90	130960	20.0	20.5	
	18 2,2'-oxybis[1-chloropropane]	45	4.621	4.621	0.000	94	219856	20.0	20.4	
	130 N-Methylaniline	106	4.748	4.752	-0.004	77	221254	20.0	20.1	a
	20 3 & 4 Methylphenol	108	4.752	4.755	-0.003	89	149865	20.0	20.5	
	19 4-Methylphenol	108	4.752	4.755	-0.003	83	149865	20.0	20.5	
	21 N-Nitrosodi-n-propylamine	70	4.755	4.759	-0.004	81	112634	20.0	20.9	
	22 Acetophenone	105	4.761	4.765	-0.004	93	204958	20.0	20.5	
	25 Hexachloroethane	117	4.844	4.848	-0.004	96	61409	20.0	20.5	
$	26 Nitrobenzene-d5	82	4.908	4.912	-0.004	89	167948	20.0	21.2	
	28 n,n'-Dimethylaniline	120	4.918	4.922	-0.004	97	214146	20.0	20.3	
	27 Nitrobenzene	123	4.931	4.934	-0.003	96	69503	20.0	21.0	
	29 Isophorone	82	5.148	5.155	-0.007	99	277907	20.0	20.3	
	30 2-Nitrophenol	139	5.231	5.231	0.000	92	77471	20.0	20.6	
	31 2,4-Dimethylphenol	122	5.263	5.263	0.000	91	102902	20.0	20.6	
	32 Bis(2-chloroethoxy)methane	93	5.365	5.366	-0.001	97	172610	20.0	20.6	

DRAFT

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
33 Benzoic acid	122	5.343	5.372	-0.029	89	82713	20.0	19.3	
34 2,4-Dichlorophenol	162	5.451	5.455	-0.004	95	110127	20.0	20.6	
35 1,2,4-Trichlorobenzene	180	5.531	5.535	-0.004	94	121456	20.0	20.5	
* 36 Naphthalene-d8	136	5.592	5.593	-0.001	99	765388	40.0	40.0	
37 Naphthalene	128	5.611	5.612	-0.001	99	400430	20.0	20.6	
131 2,6-Dichlorophenol	162	5.668	5.673	-0.005	97	107813	20.0	20.6	
38 4-Chloroaniline	127	5.672	5.676	-0.004	96	172650	20.0	20.7	
39 Hexachlorobutadiene	225	5.710	5.714	-0.004	96	65375	20.0	20.3	
40 Caprolactam	113	6.001	6.018	-0.017	90	29709	16.0	13.9	
41 4-Chloro-3-methylphenol	107	6.132	6.133	-0.001	97	115983	20.0	20.4	
42 2-Methylnaphthalene	142	6.272	6.273	-0.001	84	263699	20.0	20.6	
43 1-Methylnaphthalene	142	6.365	6.366	-0.001	92	238851	20.0	20.4	
44 Hexachlorocyclopentadiene	237	6.403	6.404	-0.001	97	65712	20.0	21.5	
45 1,2,4,5-Tetrachlorobenzene	216	6.425	6.427	-0.002	97	116546	20.0	20.4	
46 2-tertbutyl-4-methylphenol	149	6.457	6.462	-0.005	90	154794	20.0	20.3	
48 2,4,6-Trichlorophenol	196	6.541	6.542	-0.001	89	77894	20.0	20.6	
49 2,4,5-Trichlorophenol	196	6.576	6.574	0.002	96	82708	20.0	20.2	
$ 50 2-Fluorobiphenyl	172	6.624	6.625	-0.001	97	283494	20.0	20.3	
51 1,1'-Biphenyl	154	6.720	6.721	-0.001	96	306091	20.0	20.6	
52 2-Chloronaphthalene	162	6.739	6.740	-0.001	97	242038	20.0	20.7	
53 Phenyl ether	170	6.819	6.823	-0.004	88	161661	20.0	20.2	
54 2-Nitroaniline	65	6.851	6.852	-0.001	98	82702	20.0	20.8	
55 1,3-Dimethylnaphthalene	156	6.943	6.945	-0.002	92	191391	20.0	20.3	
58 Dimethyl phthalate	163	7.017	7.021	-0.004	98	269515	20.0	20.4	
59 Coumarin	146	7.049	7.053	-0.004	81	96481	20.0	19.9	
60 2,6-Dinitrotoluene	165	7.084	7.089	-0.005	94	60716	20.0	20.8	
61 Acenaphthylene	152	7.132	7.137	-0.005	97	368381	20.0	20.8	
62 3-Nitroaniline	138	7.244	7.248	-0.004	95	73810	20.0	20.3	
* 63 Acenaphthene-d10	164	7.266	7.268	-0.002	97	389804	40.0	40.0	
64 3,5-di-tert-butyl-4-hydroxytol	205	7.272	7.274	-0.002	97	167038	20.0	20.6	
65 Acenaphthene	154	7.295	7.300	-0.005	97	220047	20.0	20.5	
66 2,4-Dinitrophenol	184	7.349	7.351	-0.002	95	72760	40.0	40.2	
67 4-Nitrophenol	65	7.404	7.408	-0.004	94	103086	40.0	40.6	
69 Dibenzofuran	168	7.461	7.466	-0.005	96	330437	20.0	20.6	
68 2,4-Dinitrotoluene	165	7.467	7.469	-0.002	92	82622	20.0	21.2	
70 2,3,4,6-Tetrachlorophenol	232	7.576	7.578	-0.002	94	67285	20.0	20.4	
72 n-Octadecane	57	7.685	7.687	-0.002	92	193568	20.0	20.9	
71 Diethyl phthalate	149	7.688	7.693	-0.005	97	274769	20.0	20.4	
74 Fluorene	166	7.787	7.789	-0.002	94	266871	20.0	20.8	
73 4-Chlorophenyl phenyl ether	204	7.790	7.792	-0.002	86	120009	20.0	20.7	
75 4-Nitroaniline	138	7.829	7.837	-0.008	92	70001	20.0	20.3	
76 4,6-Dinitro-2-methylphenol	198	7.848	7.856	-0.008	83	99575	40.0	42.8	
77 N-Nitrosodiphenylamine	169	7.909	7.910	-0.002	99	191888	20.0	20.5	
78 1,2-Diphenylhydrazine	77	7.941	7.946	-0.005	98	300154	20.0	20.5	
132 Azobenzene	77	7.941	7.946	-0.005	97	300154	20.0	20.5	
$ 79 2,4,6-Tribromophenol	330	8.017	8.019	-0.002	93	57900	20.0	20.2	
80 4-Bromophenyl phenyl ether	248	8.257	8.259	-0.002	90	75141	20.0	19.9	
81 Hexachlorobenzene	284	8.295	8.297	-0.002	96	99087	20.0	20.7	
82 Atrazine	200	8.420	8.422	-0.002	89	55853	16.0	15.9	
83 Pentachlorophenol	266	8.493	8.496	-0.003	95	121837	40.0	42.1	
84 Pentachloronitrobenzene	237	8.496	8.499	-0.003	89	34071	20.0	19.9	
* 85 Phenanthrene-d10	188	8.682	8.684	-0.002	99	722363	40.0	40.0	

DRAFT

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
86 Phenanthrene	178	8.704	8.707	-0.003	98	383108	20.0	20.8	
87 Anthracene	178	8.752	8.755	-0.003	98	389515	20.0	20.7	
88 Carbazole	167	8.915	8.918	-0.003	96	366553	20.0	20.6	
89 Di-n-butyl phthalate	149	9.244	9.247	-0.003	99	465627	20.0	20.9	
90 Fluoranthene	202	9.835	9.838	-0.003	97	404167	20.0	20.5	
91 Benzidine	184	9.982	9.985	-0.003	100	216180	20.0	20.5	
92 Pyrene	202	10.052	10.055	-0.003	96	426008	20.0	20.7	
93 Bisphenol-A	213	10.110	10.113	-0.003	98	185175	20.0	20.2	
$ 94 Terphenyl-d14	244	10.209	10.212	-0.003	97	354406	20.0	20.8	
95 Butyl benzyl phthalate	149	10.723	10.726	-0.003	97	195659	20.0	20.3	
97 Carbamazepine	193	10.838	10.845	-0.007	93	150276	20.0	19.7	
98 3,3'-Dichlorobenzidine	252	11.323	11.327	-0.004	99	155612	20.0	20.3	
99 Benzo[a]anthracene	228	11.336	11.340	-0.004	100	389203	20.0	20.2	
* 100 Chrysene-d12	240	11.349	11.353	-0.004	98	572605	40.0	40.0	
101 Chrysene	228	11.381	11.385	-0.004	98	367039	20.0	20.8	
102 Bis(2-ethylhexyl) phthalate	149	11.384	11.385	-0.001	86	282759	20.0	20.9	
103 Di-n-octyl phthalate	149	12.256	12.260	-0.004	96	485563	20.0	20.8	
104 Benzo[b]fluoranthene	252	12.751	12.759	-0.008	98	396179	20.0	21.0	
105 Benzo[k]fluoranthene	252	12.790	12.797	-0.007	99	410550	20.0	21.3	
106 Benzo[a]pyrene	252	13.221	13.226	-0.005	96	379704	20.0	21.4	
* 107 Perylene-d12	264	13.307	13.309	-0.002	97	686916	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.934	14.946	-0.012	98	417175	20.0	21.3	
109 Dibenz(a,h)anthracene	278	14.982	14.994	-0.012	97	404260	20.0	21.3	
110 Benzo[g,h,i]perylene	276	15.398	15.413	-0.015	96	387879	20.0	21.4	
S 117 Total Cresols	1				0			41.0	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

SV_BNA_L6_00006 Amount Added: 1.00 Units: mL

DRAFT

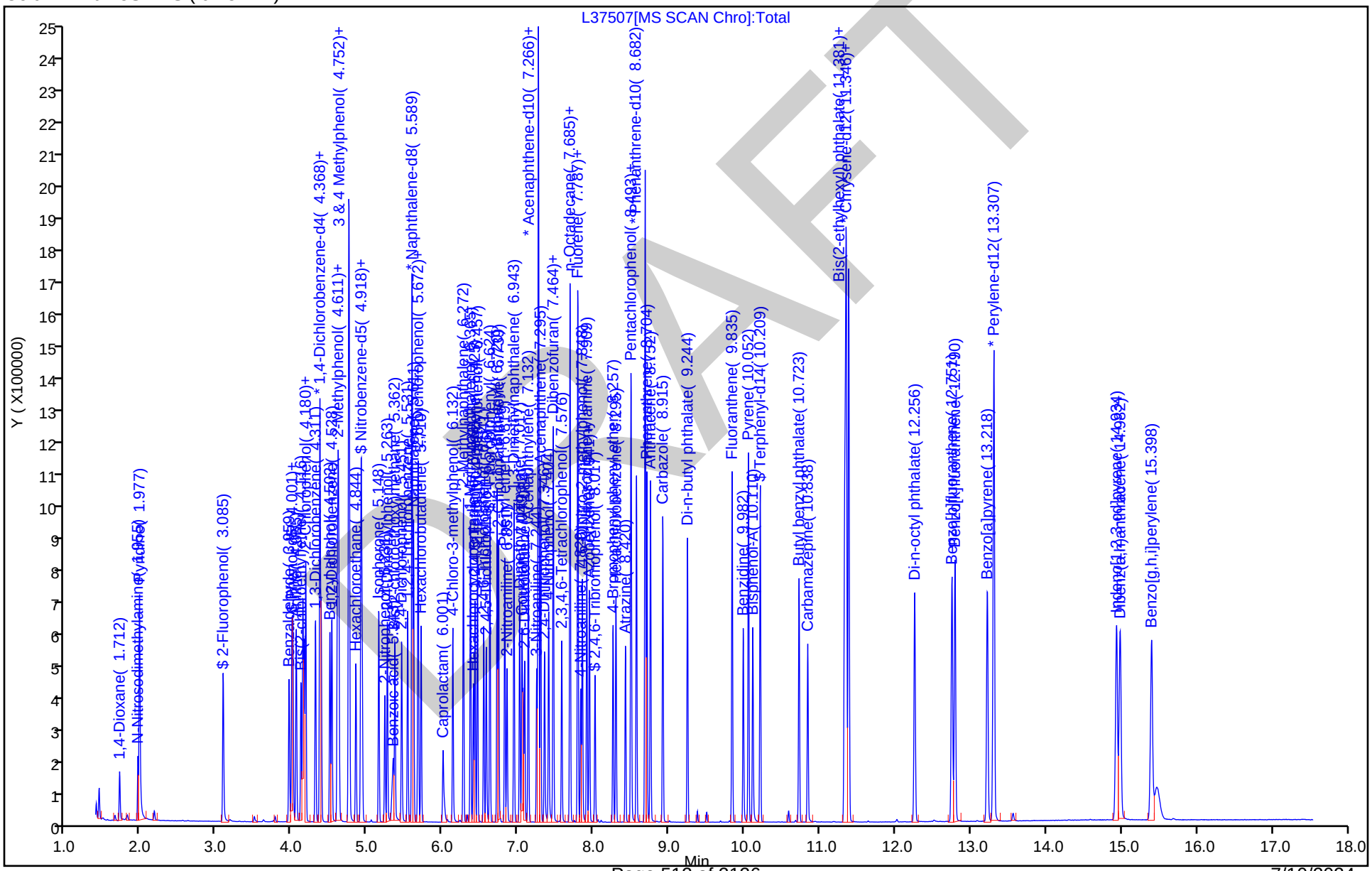
Report Date: 24-Jun-2024 11:37:00 Chrom Revision: 2.3 23-Jun-2024 11:08:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37507.d

Injection Date:	24-Jun-2024 09:13:30	Instrument ID:	CBNAMS12	Operator ID:	
Lims ID:	STD20			Worklist Smp#:	5
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	5
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

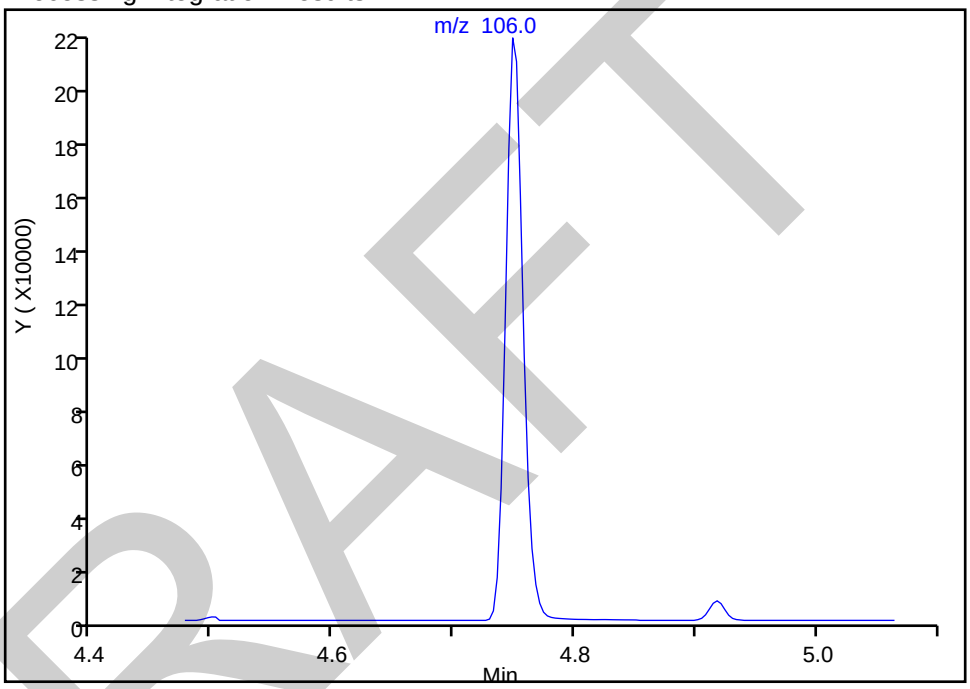
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Injection Date:	24-Jun-2024 09:13:30	Instrument ID:	CBNAMS12		
Lims ID:	STD20				
Client ID:					
Operator ID:		ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

130 N-Methylaniline, CAS: 100-61-8

Signal: 1

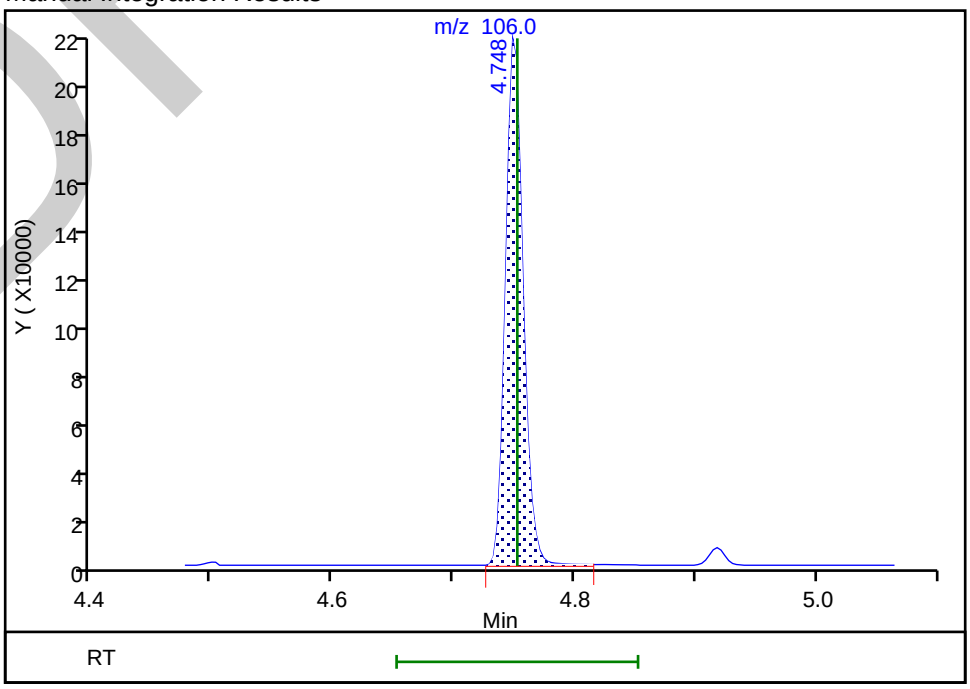
Not Detected
Expected RT: 4.75

Processing Integration Results



Manual Integration Results

RT: 4.75
Area: 221254
Amount: 20.093319
Amount Units: ug/ml



Reviewer: G4KC, 24-Jun-2024 09:38:19 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Poor chromatography

DRAFT

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37508.d
Lims ID: STD10
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 24-Jun-2024 09:35:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0177545-006
Operator ID: Instrument ID: CBNAMS12
Sublist: chrom-8270_12R_9*sub56

Method: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\8270_12R_9.m
Limit Group: SV 8270E ICAL
Last Update: 24-Jun-2024 11:37:04 Calib Date: 24-Jun-2024 11:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37512.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1642

First Level Reviewer: G4KC Date: 24-Jun-2024 09:57:21

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.712	1.712	0.000	97	26965	10.0	9.19	
	2 N-Nitrosodimethylamine	74	1.955	1.955	0.000	92	44832	10.0	9.40	
	3 Pyridine	79	1.977	1.974	0.003	92	137910	20.0	19.8	
$	4 2-Fluorophenol	112	3.085	3.085	0.000	95	71769	10.0	9.92	
	5 Benzaldehyde	77	3.959	3.960	-0.001	96	67046	10.0	10.5	
$	6 Phenol-d5	99	3.994	4.001	-0.007	0	98090	10.0	10.1	
	7 Phenol	94	4.007	4.014	-0.007	98	95582	10.0	9.86	
	8 Aniline	93	4.055	4.056	-0.001	100	109645	10.0	9.83	
	9 Bis(2-chloroethyl)ether	93	4.116	4.120	-0.004	93	70785	10.0	10.3	
	10 2-Chlorophenol	128	4.157	4.161	-0.004	96	74293	10.0	9.89	
	11 n-Decane	43	4.180	4.184	-0.004	93	85846	10.0	10.3	
	12 1,3-Dichlorobenzene	146	4.310	4.311	-0.001	94	78923	10.0	10.1	
*	13 1,4-Dichlorobenzene-d4	152	4.368	4.369	-0.001	97	209056	40.0	40.0	
	14 1,4-Dichlorobenzene	146	4.384	4.385	-0.001	95	78250	10.0	10.0	
	15 Benzyl alcohol	108	4.502	4.503	-0.001	92	47031	10.0	9.74	
	16 1,2-Dichlorobenzene	146	4.528	4.529	-0.001	95	75144	10.0	10.0	
	17 2-Methylphenol	108	4.598	4.602	-0.004	95	64850	10.0	9.99	
	18 2,2'-oxybis[1-chloropropane]	45	4.620	4.621	-0.001	94	112145	10.0	10.2	
	130 N-Methylaniline	106	4.748	4.752	-0.004	78	111293	10.0	9.96	a
	20 3 & 4 Methylphenol	108	4.748	4.755	-0.007	87	75253	10.0	10.2	
	19 4-Methylphenol	108	4.748	4.755	-0.007	83	75253	10.0	10.2	
	21 N-Nitrosodi-n-propylamine	70	4.751	4.759	-0.008	85	56787	10.0	10.4	
	22 Acetophenone	105	4.761	4.765	-0.004	93	105092	10.0	10.4	
	25 Hexachloroethane	117	4.844	4.848	-0.004	95	30438	10.0	10.0	
$	26 Nitrobenzene-d5	82	4.908	4.912	-0.004	90	84403	10.0	10.4	
	28 n,n'-Dimethylaniline	120	4.917	4.922	-0.005	98	109783	10.0	10.2	
	27 Nitrobenzene	123	4.927	4.934	-0.007	95	34892	10.0	10.4	
	29 Isophorone	82	5.147	5.155	-0.008	99	141196	10.0	10.1	
	30 2-Nitrophenol	139	5.230	5.231	-0.001	92	38203	10.0	9.92	
	31 2,4-Dimethylphenol	122	5.262	5.263	-0.001	91	50603	10.0	9.92	
	32 Bis(2-chloroethoxy)methane	93	5.364	5.366	-0.002	97	87222	10.0	10.2	

DRAFT

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
33 Benzoic acid	122	5.323	5.372	-0.049	89	38798	10.0	8.84	
34 2,4-Dichlorophenol	162	5.454	5.455	-0.001	95	54854	10.0	10.0	
35 1,2,4-Trichlorobenzene	180	5.530	5.535	-0.005	94	61170	10.0	10.1	
* 36 Naphthalene-d8	136	5.588	5.593	-0.005	99	782650	40.0	40.0	
37 Naphthalene	128	5.610	5.612	-0.002	99	205167	10.0	10.3	
131 2,6-Dichlorophenol	162	5.668	5.673	-0.005	97	54333	10.0	10.1	
38 4-Chloroaniline	127	5.671	5.676	-0.005	96	85750	10.0	10.0	
39 Hexachlorobutadiene	225	5.709	5.714	-0.005	95	32987	10.0	10.0	
40 Caprolactam	113	5.997	6.018	-0.021	90	18163	10.0	8.60	
41 4-Chloro-3-methylphenol	107	6.131	6.133	-0.002	96	56783	10.0	9.75	
42 2-Methylnaphthalene	142	6.271	6.273	-0.002	84	132465	10.0	10.1	
43 1-Methylnaphthalene	142	6.364	6.366	-0.002	93	120761	10.0	10.1	
44 Hexachlorocyclopentadiene	237	6.402	6.404	-0.002	97	31786	10.0	10.1	
45 1,2,4,5-Tetrachlorobenzene	216	6.425	6.427	-0.002	97	58706	10.0	10.0	
46 2-tertbutyl-4-methylphenol	149	6.457	6.462	-0.005	92	78293	10.0	10.0	
48 2,4,6-Trichlorophenol	196	6.540	6.542	-0.002	88	37865	10.0	9.76	
49 2,4,5-Trichlorophenol	196	6.575	6.574	0.001	96	40913	10.0	9.73	
$ 50 2-Fluorobiphenyl	172	6.623	6.625	-0.002	97	144642	10.0	10.1	
51 1,1'-Biphenyl	154	6.719	6.721	-0.002	96	156803	10.0	10.3	
52 2-Chloronaphthalene	162	6.738	6.740	-0.002	97	121047	10.0	10.0	
53 Phenyl ether	170	6.821	6.823	-0.002	88	83942	10.0	10.2	
54 2-Nitroaniline	65	6.850	6.852	-0.002	97	40103	10.0	9.80	
55 1,3-Dimethylnaphthalene	156	6.942	6.945	-0.003	91	98656	10.0	10.2	
58 Dimethyl phthalate	163	7.016	7.021	-0.005	98	138267	10.0	10.2	
59 Coumarin	146	7.048	7.053	-0.005	81	50301	10.0	10.1	
60 2,6-Dinitrotoluene	165	7.083	7.089	-0.006	94	30636	10.0	10.2	
61 Acenaphthylene	152	7.131	7.137	-0.006	97	184605	10.0	10.1	
62 3-Nitroaniline	138	7.243	7.248	-0.006	94	36408	10.0	9.75	
* 63 Acenaphthene-d10	164	7.265	7.268	-0.003	97	400607	40.0	40.0	
64 3,5-di-tert-butyl-4-hydroxytol	205	7.271	7.274	-0.003	97	81125	10.0	9.72	
65 Acenaphthene	154	7.294	7.300	-0.006	97	110463	10.0	10.0	
66 2,4-Dinitrophenol	184	7.345	7.351	-0.006	94	30083	20.0	17.9	
67 4-Nitrophenol	65	7.399	7.408	-0.009	94	49596	20.0	19.0	
69 Dibenzofuran	168	7.460	7.466	-0.006	96	168161	10.0	10.2	
68 2,4-Dinitrotoluene	165	7.466	7.469	-0.003	94	40631	10.0	10.1	
70 2,3,4,6-Tetrachlorophenol	232	7.575	7.578	-0.003	93	33072	10.0	9.75	
72 n-Octadecane	57	7.683	7.687	-0.004	77	98132	10.0	10.4	
71 Diethyl phthalate	149	7.683	7.693	-0.010	97	141491	10.0	10.2	
74 Fluorene	166	7.786	7.789	-0.003	94	135064	10.0	10.2	
73 4-Chlorophenyl phenyl ether	204	7.789	7.792	-0.003	86	60465	10.0	10.1	
75 4-Nitroaniline	138	7.824	7.837	-0.013	93	34105	10.0	9.62	
76 4,6-Dinitro-2-methylphenol	198	7.846	7.856	-0.010	84	47759	20.0	20.3	
77 N-Nitrosodiphenylamine	169	7.907	7.910	-0.003	98	95846	10.0	10.1	
78 1,2-Diphenylhydrazine	77	7.939	7.946	-0.007	97	152430	10.0	10.3	
132 Azobenzene	77	7.939	7.946	-0.007	97	152430	10.0	10.3	
$ 79 2,4,6-Tribromophenol	330	8.016	8.019	-0.003	93	28775	10.0	9.78	
80 4-Bromophenyl phenyl ether	248	8.255	8.259	-0.004	89	37409	10.0	9.79	
81 Hexachlorobenzene	284	8.294	8.297	-0.003	96	49229	10.0	10.1	
82 Atrazine	200	8.418	8.422	-0.004	89	35083	10.0	9.88	
83 Pentachlorophenol	266	8.492	8.496	-0.004	94	58186	20.0	19.8	
84 Pentachloronitrobenzene	237	8.495	8.499	-0.004	89	17369	10.0	9.99	
* 85 Phenanthrene-d10	188	8.680	8.684	-0.004	98	732363	40.0	40.0	

DRAFT

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
86 Phenanthrene	178	8.703	8.707	-0.004	98	192112	10.0	10.3	
87 Anthracene	178	8.751	8.755	-0.004	98	194665	10.0	10.2	
88 Carbazole	167	8.913	8.918	-0.005	96	184711	10.0	10.2	
89 Di-n-butyl phthalate	149	9.242	9.247	-0.005	99	232524	10.0	10.3	
90 Fluoranthene	202	9.836	9.838	-0.002	97	202347	10.0	10.1	
91 Benzidine	184	9.983	9.985	-0.002	100	115057	10.0	10.7	a
92 Pyrene	202	10.050	10.055	-0.005	96	213655	10.0	10.3	
93 Bisphenol-A	213	10.107	10.113	-0.006	97	87907	10.0	9.55	
$ 94 Terphenyl-d14	244	10.206	10.212	-0.006	97	179614	10.0	10.5	
95 Butyl benzyl phthalate	149	10.720	10.726	-0.006	97	94656	10.0	9.80	
97 Carbamazepine	193	10.835	10.845	-0.010	93	65090	10.0	8.50	
98 3,3'-Dichlorobenzidine	252	11.324	11.327	-0.003	99	77107	10.0	10.1	
99 Benzo[a]anthracene	228	11.337	11.340	-0.003	99	194452	10.0	10.1	
* 100 Chrysene-d12	240	11.346	11.353	-0.007	98	573963	40.0	40.0	
101 Chrysene	228	11.378	11.385	-0.007	99	184777	10.0	10.4	
102 Bis(2-ethylhexyl) phthalate	149	11.382	11.385	-0.003	88	136303	10.0	10.1	
103 Di-n-octyl phthalate	149	12.253	12.260	-0.007	96	231611	10.0	9.74	
104 Benzo[b]fluoranthene	252	12.748	12.759	-0.011	97	191852	10.0	10.0	
105 Benzo[k]fluoranthene	252	12.787	12.797	-0.010	99	201996	10.0	10.3	
106 Benzo[a]pyrene	252	13.218	13.226	-0.008	95	184011	10.0	10.2	
* 107 Perylene-d12	264	13.307	13.309	-0.002	98	699674	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.930	14.946	-0.016	98	197982	10.0	9.93	
109 Dibenz(a,h)anthracene	278	14.978	14.994	-0.016	97	193996	10.0	10.0	
110 Benzo[g,h,i]perylene	276	15.394	15.413	-0.019	96	185775	10.0	10.1	
S 117 Total Cresols	1				0			20.2	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

SV_BNA_L5_00006 Amount Added: 1.00 Units: mL

DRAFT

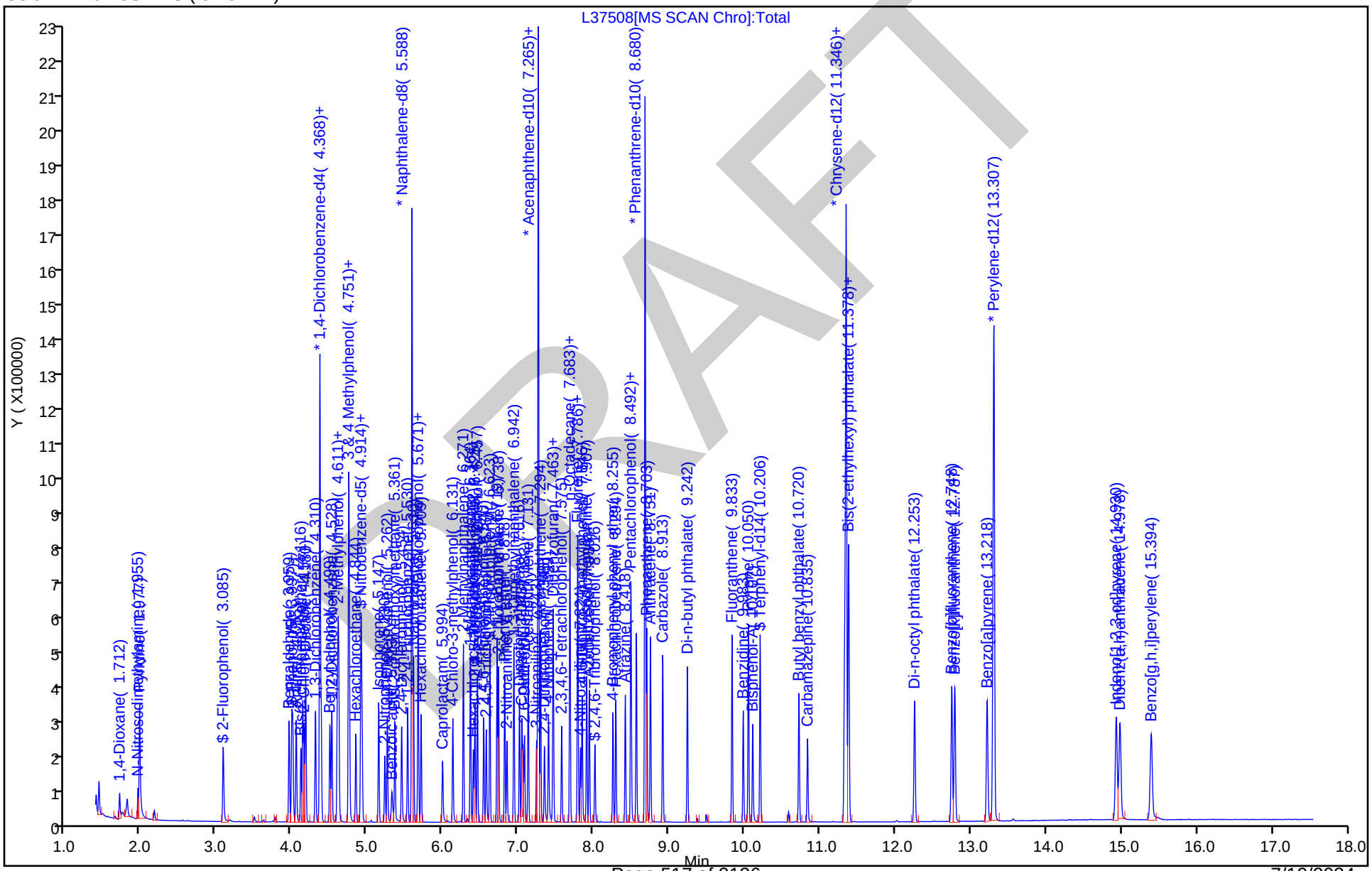
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Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37508.d

Injection Date:	24-Jun-2024 09:35:30	Instrument ID:	CBNAMS12	Operator ID:	
Lims ID:	STD10			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

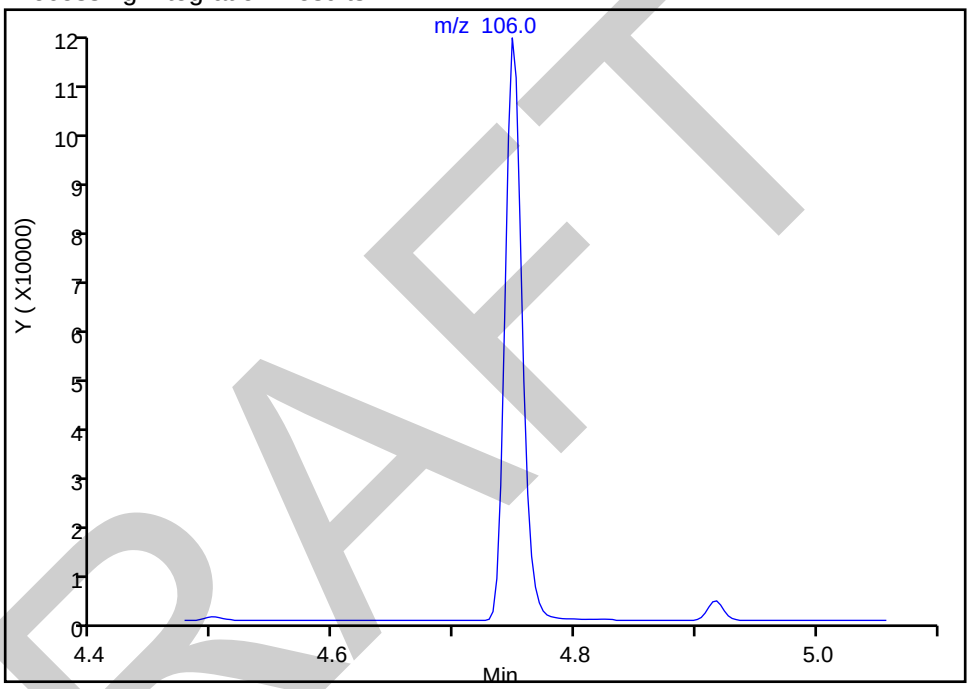
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Lims ID:	STD10				
Client ID:					
Operator ID:		ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

130 N-Methylaniline, CAS: 100-61-8

Signal: 1

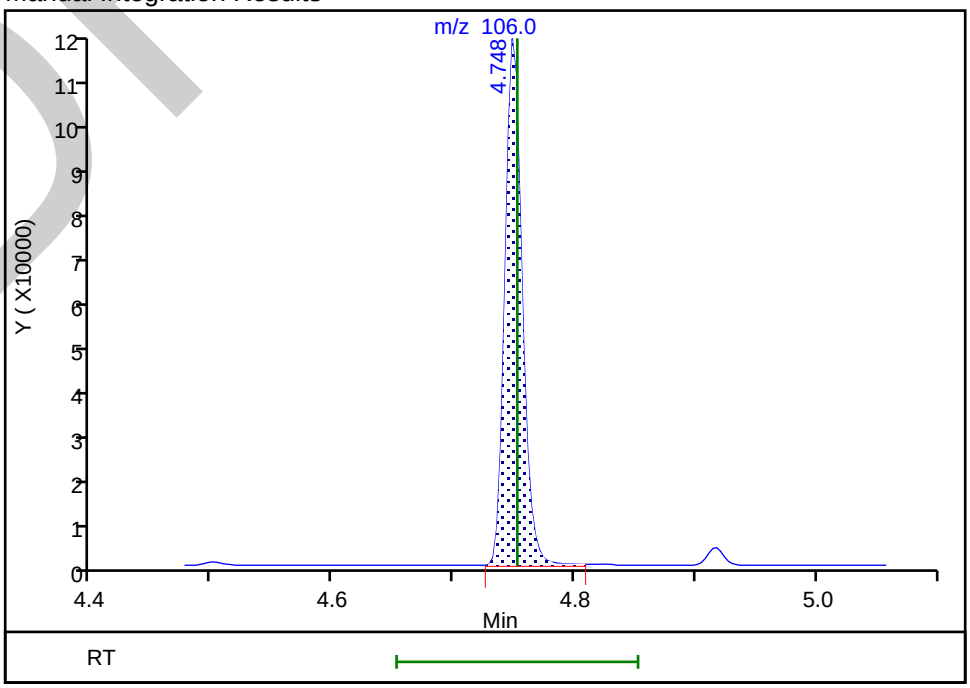
Not Detected
Expected RT: 4.75

Processing Integration Results



Manual Integration Results

RT: 4.75
Area: 111293
Amount: 9.962248
Amount Units: ug/ml



Reviewer: G4KC, 24-Jun-2024 09:56:10 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

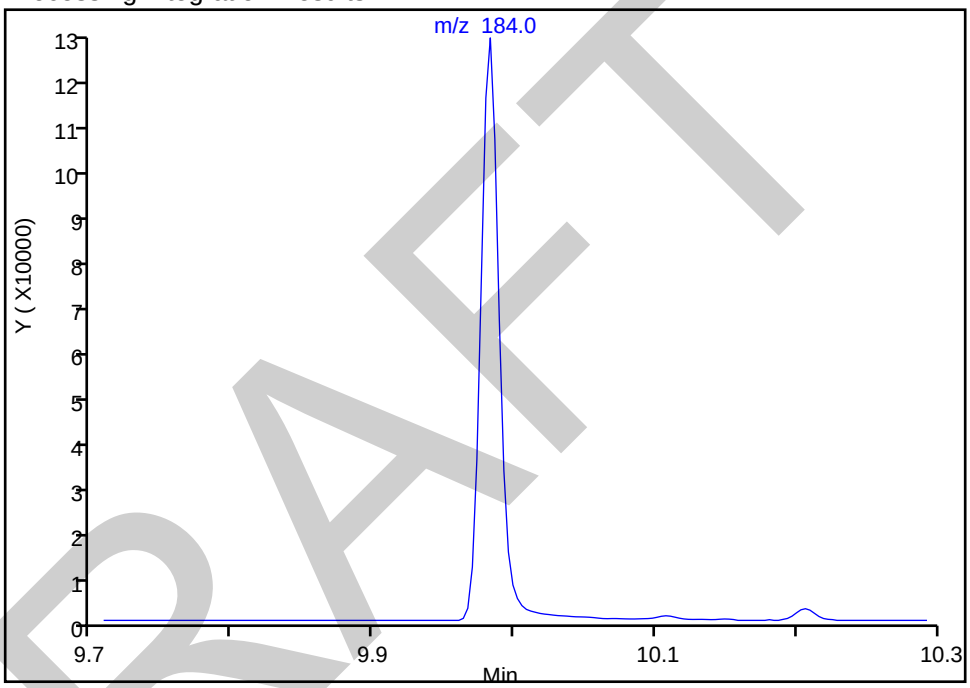
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Injection Date:	24-Jun-2024 09:35:30	Instrument ID:	CBNAMS12		
Lims ID:	STD10				
Client ID:					
Operator ID:		ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

91 Benzidine, CAS: 92-87-5

Signal: 1

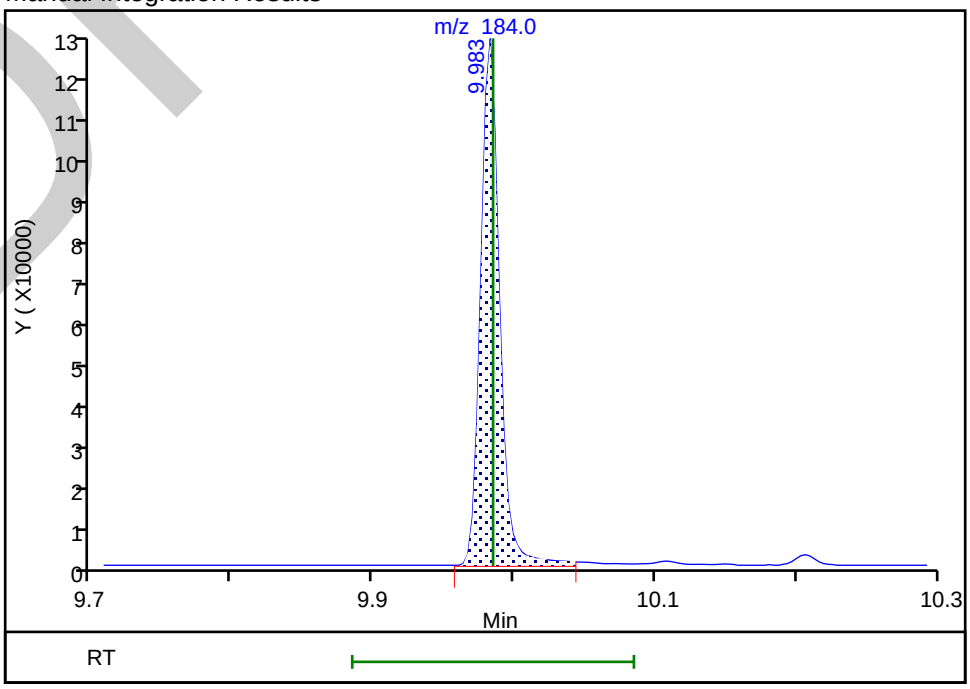
Not Detected
Expected RT: 9.98

Processing Integration Results



Manual Integration Results

RT: 9.98
Area: 115057
Amount: 10.738195
Amount Units: ug/ml



Reviewer: G4KC, 24-Jun-2024 10:03:21 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

DRAFT

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37509.d
Lims ID: STD5
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 24-Jun-2024 09:58:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0177545-007
Operator ID: Instrument ID: CBNAMS12
Sublist: chrom-8270_12R_9*sub56

Method: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\8270_12R_9.m
Limit Group: SV 8270E ICAL
Last Update: 24-Jun-2024 11:37:09 Calib Date: 24-Jun-2024 11:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37512.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1642

First Level Reviewer: G4KC Date: 24-Jun-2024 10:22:58

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.712	1.712	0.000	97	13757	5.00	4.51	
	2 N-Nitrosodimethylamine	74	1.958	1.955	0.003	91	21814	5.00	4.40	
	3 Pyridine	79	1.980	1.974	0.006	92	70693	10.0	9.74	
$	4 2-Fluorophenol	112	3.088	3.085	0.003	94	35271	5.00	4.69	
	5 Benzaldehyde	77	3.959	3.960	-0.001	96	34476	5.00	5.22	
$	6 Phenol-d5	99	3.997	4.001	-0.004	0	49201	5.00	4.86	
	7 Phenol	94	4.010	4.014	-0.004	98	47310	5.00	4.69	
	8 Aniline	93	4.055	4.056	-0.001	100	54948	5.00	4.74	
	9 Bis(2-chloroethyl)ether	93	4.115	4.120	-0.005	93	34677	5.00	4.85	
	10 2-Chlorophenol	128	4.160	4.161	-0.001	96	37639	5.00	4.82	
	11 n-Decane	43	4.179	4.184	-0.005	93	44055	5.00	5.08	
	12 1,3-Dichlorobenzene	146	4.310	4.311	-0.001	94	39721	5.00	4.91	
*	13 1,4-Dichlorobenzene-d4	152	4.368	4.369	-0.001	97	217282	40.0	40.0	
	14 1,4-Dichlorobenzene	146	4.384	4.385	-0.001	92	40605	5.00	5.01	
	15 Benzyl alcohol	108	4.502	4.503	-0.001	92	23145	5.00	4.61	
	16 1,2-Dichlorobenzene	146	4.527	4.529	-0.002	95	38589	5.00	4.96	
	17 2-Methylphenol	108	4.601	4.602	-0.001	91	32743	5.00	4.85	
	18 2,2'-oxybis[1-chloropropane]	45	4.620	4.621	-0.001	94	58777	5.00	5.16	
	130 N-Methylaniline	106	4.751	4.752	-0.001	80	58068	5.00	5.00	
	20 3 & 4 Methylphenol	108	4.751	4.755	-0.004	88	38847	5.00	5.05	
	19 4-Methylphenol	108	4.751	4.755	-0.004	80	38847	5.00	5.05	
	21 N-Nitrosodi-n-propylamine	70	4.754	4.759	-0.005	79	29993	5.00	5.28	
	22 Acetophenone	105	4.760	4.765	-0.005	93	54321	5.00	5.16	
	25 Hexachloroethane	117	4.843	4.848	-0.005	94	15824	5.00	5.01	
$	26 Nitrobenzene-d5	82	4.910	4.912	-0.002	89	43130	5.00	5.08	
	28 n,n'-Dimethylaniline	120	4.917	4.922	-0.005	98	56974	5.00	5.12	
	27 Nitrobenzene	123	4.926	4.934	-0.008	96	17970	5.00	5.16	
	29 Isophorone	82	5.147	5.155	-0.008	99	72039	5.00	4.94	
	30 2-Nitrophenol	139	5.230	5.231	-0.001	91	19032	5.00	4.73	
	31 2,4-Dimethylphenol	122	5.262	5.263	-0.001	90	24910	5.00	4.67	
	32 Bis(2-chloroethoxy)methane	93	5.364	5.366	-0.002	97	44859	5.00	5.00	

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Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
33 Benzoic acid	122	5.319	5.372	-0.053	90	17237	5.00	3.76	
34 2,4-Dichlorophenol	162	5.453	5.455	-0.002	95	28458	5.00	4.97	
35 1,2,4-Trichlorobenzene	180	5.533	5.535	-0.002	94	31792	5.00	5.02	
* 36 Naphthalene-d8	136	5.590	5.593	-0.003	99	817982	40.0	40.0	
37 Naphthalene	128	5.610	5.612	-0.002	99	107449	5.00	5.18	
131 2,6-Dichlorophenol	162	5.670	5.673	-0.003	97	27766	5.00	4.96	
38 4-Chloroaniline	127	5.674	5.676	-0.002	97	43994	5.00	4.93	
39 Hexachlorobutadiene	225	5.712	5.714	-0.002	95	17122	5.00	4.99	
40 Caprolactam	113	5.993	6.018	-0.025	90	9630	5.00	4.72	
41 4-Chloro-3-methylphenol	107	6.130	6.133	-0.003	97	28698	5.00	4.72	
42 2-Methylnaphthalene	142	6.270	6.273	-0.003	85	68566	5.00	5.00	
43 1-Methylnaphthalene	142	6.366	6.366	0.000	92	63333	5.00	5.06	
44 Hexachlorocyclopentadiene	237	6.405	6.404	0.001	96	15117	5.00	4.60	
45 1,2,4,5-Tetrachlorobenzene	216	6.424	6.427	-0.003	97	30491	5.00	4.96	
46 2-tertbutyl-4-methylphenol	149	6.459	6.462	-0.003	90	39853	5.00	4.88	
48 2,4,6-Trichlorophenol	196	6.542	6.542	0.000	88	19648	5.00	4.83	
49 2,4,5-Trichlorophenol	196	6.574	6.574	0.000	96	20586	5.00	4.67	
$ 50 2-Fluorobiphenyl	172	6.622	6.625	-0.003	97	76168	5.00	5.06	
51 1,1'-Biphenyl	154	6.718	6.721	-0.003	96	81103	5.00	5.06	
52 2-Chloronaphthalene	162	6.737	6.740	-0.003	97	64518	5.00	5.11	
53 Phenyl ether	170	6.820	6.823	-0.003	89	42989	5.00	4.99	
54 2-Nitroaniline	65	6.849	6.852	-0.003	97	20970	5.00	4.89	
55 1,3-Dimethylnaphthalene	156	6.941	6.945	-0.004	91	50327	5.00	4.96	
58 Dimethyl phthalate	163	7.015	7.021	-0.006	98	69668	5.00	4.90	
59 Coumarin	146	7.047	7.053	-0.006	81	25526	5.00	4.93	
60 2,6-Dinitrotoluene	165	7.082	7.089	-0.007	94	15947	5.00	5.07	
61 Acenaphthylene	152	7.133	7.137	-0.004	97	96979	5.00	5.08	
62 3-Nitroaniline	138	7.245	7.248	-0.003	93	18633	5.00	4.76	
* 63 Acenaphthene-d10	164	7.264	7.268	-0.004	97	419953	40.0	40.0	
64 3,5-di-tert-butyl-4-hydroxytol	205	7.270	7.274	-0.004	97	39236	5.00	4.48	
65 Acenaphthene	154	7.296	7.300	-0.004	96	59759	5.00	5.17	
66 2,4-Dinitrophenol	184	7.350	7.351	-0.001	91	12924	10.0	9.10	
67 4-Nitrophenol	65	7.401	7.408	-0.007	93	24481	10.0	8.94	
69 Dibenzofuran	168	7.462	7.466	-0.004	96	88559	5.00	5.13	
68 2,4-Dinitrotoluene	165	7.465	7.469	-0.004	91	20972	5.00	4.99	
70 2,3,4,6-Tetrachlorophenol	232	7.577	7.578	-0.001	95	16544	5.00	4.65	
72 n-Octadecane	57	7.682	7.687	-0.005	77	51336	5.00	5.27	
71 Diethyl phthalate	149	7.685	7.693	-0.008	97	74487	5.00	5.13	
74 Fluorene	166	7.788	7.789	-0.001	97	70392	5.00	5.09	
73 4-Chlorophenyl phenyl ether	204	7.791	7.792	-0.001	86	32126	5.00	5.14	
75 4-Nitroaniline	138	7.826	7.837	-0.011	92	17373	5.00	4.67	
76 4,6-Dinitro-2-methylphenol	198	7.845	7.856	-0.011	82	22363	10.0	9.16	
77 N-Nitrosodiphenylamine	169	7.906	7.910	-0.004	99	49983	5.00	5.08	
78 1,2-Diphenylhydrazine	77	7.941	7.946	-0.005	98	79002	5.00	5.14	
132 Azobenzene	77	7.941	7.946	-0.005	97	79002	5.00	5.13	
$ 79 2,4,6-Tribromophenol	330	8.018	8.019	-0.001	93	14426	5.00	4.68	
80 4-Bromophenyl phenyl ether	248	8.257	8.259	-0.002	92	19394	5.00	4.90	
81 Hexachlorobenzene	284	8.292	8.297	-0.005	96	24865	5.00	4.94	
82 Atrazine	200	8.417	8.422	-0.005	88	18316	5.00	4.98	
83 Pentachlorophenol	266	8.493	8.496	-0.003	94	28620	10.0	9.41	
84 Pentachloronitrobenzene	237	8.493	8.499	-0.006	87	8605	5.00	4.78	
* 85 Phenanthrene-d10	188	8.682	8.684	-0.002	99	758401	40.0	40.0	

DRAFT

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
86 Phenanthrene	178	8.701	8.707	-0.006	98	98966	5.00	5.11	
87 Anthracene	178	8.752	8.755	-0.003	97	99648	5.00	5.04	
88 Carbazole	167	8.915	8.918	-0.003	96	93642	5.00	5.00	
89 Di-n-butyl phthalate	149	9.241	9.247	-0.006	100	115443	5.00	4.93	
90 Fluoranthene	202	9.834	9.838	-0.004	97	102003	5.00	4.92	
91 Benzidine	184	9.981	9.985	-0.004	100	59090	5.00	5.33	a
92 Pyrene	202	10.051	10.055	-0.004	96	107894	5.00	5.07	
93 Bisphenol-A	213	10.109	10.113	-0.004	98	44819	5.00	4.73	
$ 94 Terphenyl-d14	244	10.208	10.212	-0.004	97	89190	5.00	5.08	
95 Butyl benzyl phthalate	149	10.722	10.726	-0.004	97	47285	5.00	4.75	
97 Carbamazepine	193	10.834	10.845	-0.011	93	30842	5.00	3.91	
98 3,3'-Dichlorobenzidine	252	11.322	11.327	-0.005	98	38862	5.00	4.92	
99 Benzo[a]anthracene	228	11.335	11.340	-0.005	99	98857	5.00	4.98	
* 100 Chrysene-d12	240	11.348	11.353	-0.005	99	590771	40.0	40.0	
101 Chrysene	228	11.377	11.385	-0.008	98	94121	5.00	5.17	
102 Bis(2-ethylhexyl) phthalate	149	11.383	11.385	-0.002	88	68715	5.00	4.92	
103 Di-n-octyl phthalate	149	12.255	12.260	-0.005	97	116545	5.00	4.77	
104 Benzo[b]fluoranthene	252	12.746	12.759	-0.013	97	98943	5.00	5.02	
105 Benzo[k]fluoranthene	252	12.788	12.797	-0.009	99	100830	5.00	5.01	
106 Benzo[a]pyrene	252	13.216	13.226	-0.010	95	93263	5.00	5.01	
* 107 Perylene-d12	264	13.305	13.309	-0.004	97	718936	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.928	14.946	-0.018	98	100905	5.00	4.93	
109 Dibenz(a,h)anthracene	278	14.980	14.994	-0.014	97	97144	5.00	4.89	
110 Benzo[g,h,i]perylene	276	15.392	15.413	-0.021	96	92409	5.00	4.87	
S 117 Total Cresols	1				0			9.90	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

SV_BNA_L4_00006 Amount Added: 1.00 Units: mL

DRAFT

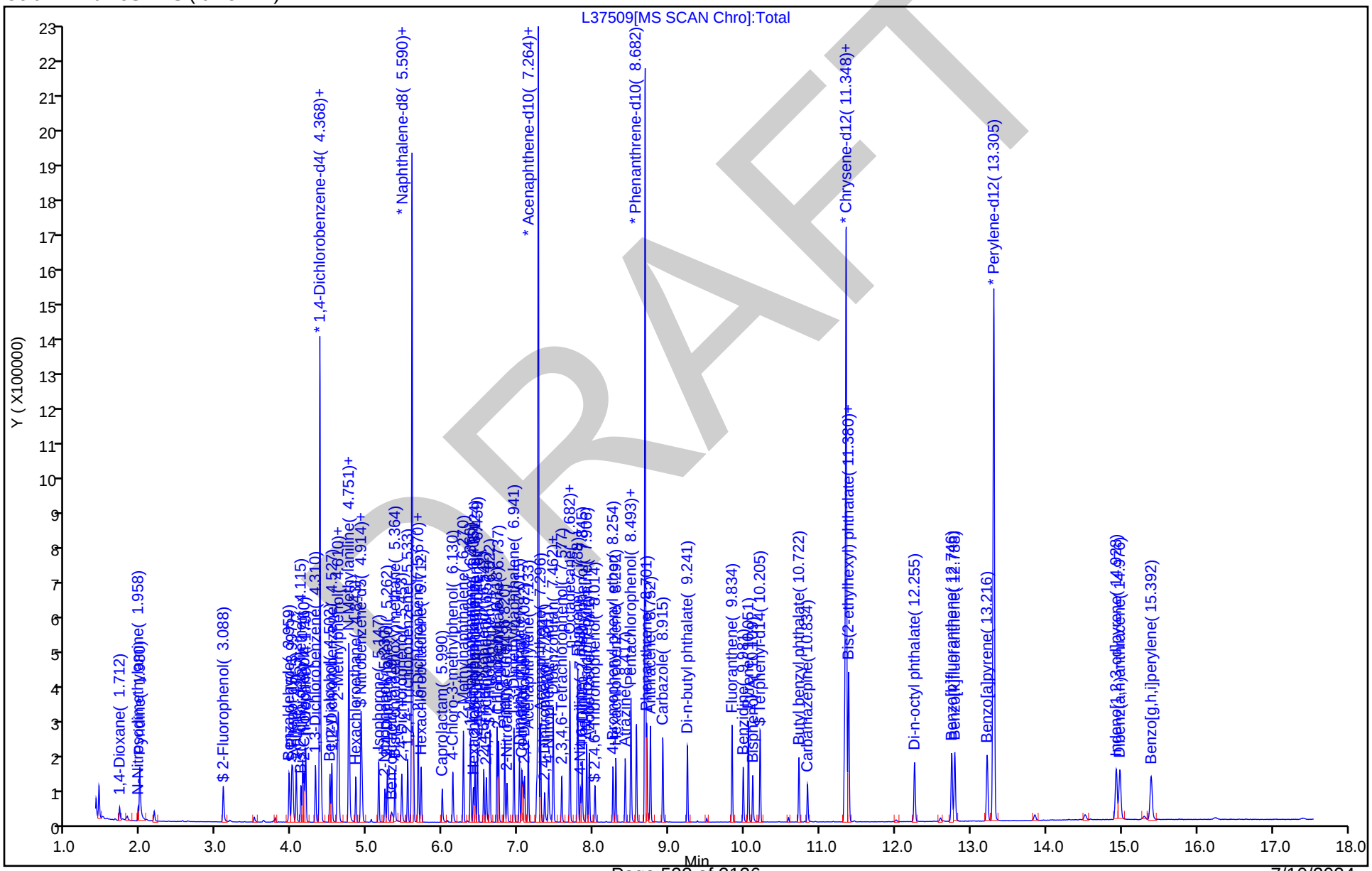
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Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37509.d

Injection Date:	24-Jun-2024 09:58:30	Instrument ID:	CBNAMS12	Operator ID:	
Lims ID:	STD5			Worklist Smp#:	7
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	7
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

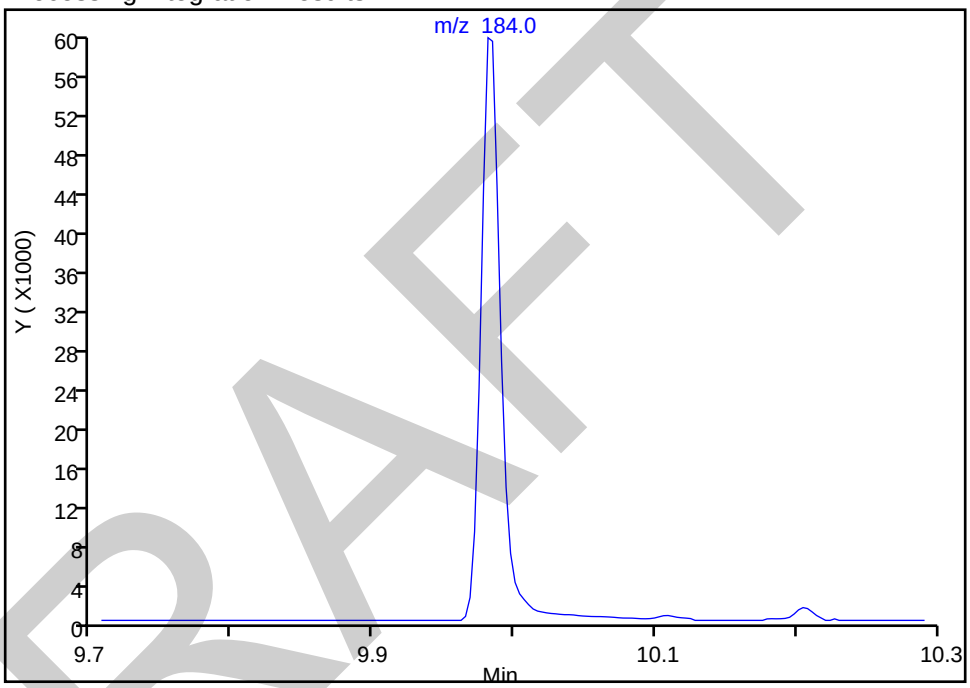
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Lims ID:	STD5				
Client ID:					
Operator ID:		ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

91 Benzidine, CAS: 92-87-5

Signal: 1

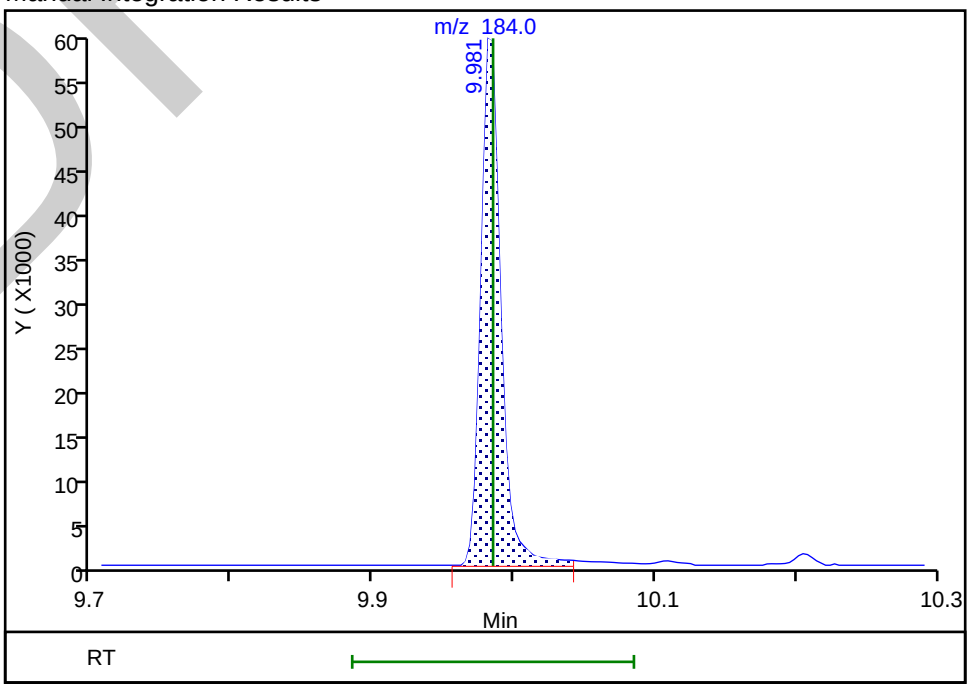
Not Detected
Expected RT: 9.98

Processing Integration Results



Manual Integration Results

RT: 9.98
Area: 59090
Amount: 5.325492
Amount Units: ug/ml



Reviewer: G4KC, 24-Jun-2024 10:22:29 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

DRAFT

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37510.d
Lims ID: STD2
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 24-Jun-2024 10:21:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0177545-008
Operator ID: Instrument ID: CBNAMS12
Sublist: chrom-8270_12R_9*sub56

Method: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\8270_12R_9.m
Limit Group: SV 8270E ICAL
Last Update: 24-Jun-2024 11:37:13 Calib Date: 24-Jun-2024 11:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37512.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1642

First Level Reviewer: G4KC Date: 24-Jun-2024 10:42:06

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.715	1.712	0.003	97	5366	2.00	1.85	
3 Pyridine	79	1.987	1.974	0.013	93	24962	4.00	3.62	
$ 4 2-Fluorophenol	112	3.091	3.085	0.006	93	12718	2.00	1.78	
5 Benzaldehyde	77	3.962	3.960	0.002	96	12680	2.00	2.02	
$ 6 Phenol-d5	99	3.997	4.001	-0.004	0	18574	2.00	1.93	
9 Bis(2-chloroethyl)ether	93	4.119	4.120	-0.001	93	13529	2.00	1.99	
* 13 1,4-Dichlorobenzene-d4	152	4.368	4.369	-0.001	97	206714	40.0	40.0	
21 N-Nitrosodi-n-propylamine	70	4.754	4.759	-0.005	78	10976	2.00	2.03	
25 Hexachloroethane	117	4.844	4.848	-0.004	95	6114	2.00	2.03	
$ 26 Nitrobenzene-d5	82	4.911	4.912	-0.001	89	16282	2.00	2.01	
28 n,n'-Dimethylaniline	120	4.917	4.922	-0.005	98	21559	2.00	2.04	
27 Nitrobenzene	123	4.930	4.934	-0.004	94	6287	2.00	1.90	
29 Isophorone	82	5.150	5.155	-0.005	99	28038	2.00	2.01	
34 2,4-Dichlorophenol	162	5.456	5.455	0.001	95	10317	2.00	1.89	
35 1,2,4-Trichlorobenzene	180	5.533	5.535	-0.002	94	12196	2.00	2.02	
* 36 Naphthalene-d8	136	5.591	5.593	-0.002	99	781122	40.0	40.0	
131 2,6-Dichlorophenol	162	5.670	5.673	-0.003	97	10112	2.00	1.89	
39 Hexachlorobutadiene	225	5.712	5.714	-0.002	94	6568	2.00	2.00	
40 Caprolactam	113	5.986	6.018	-0.032	89	3169	2.00	2.10	Ma
48 2,4,6-Trichlorophenol	196	6.542	6.542	0.000	88	7113	2.00	1.84	
$ 50 2-Fluorobiphenyl	172	6.622	6.625	-0.003	96	29442	2.00	2.05	
60 2,6-Dinitrotoluene	165	7.081	7.089	-0.008	93	5642	2.00	1.89	
* 63 Acenaphthene-d10	164	7.264	7.268	-0.004	97	399840	40.0	40.0	
66 2,4-Dinitrophenol	184	7.356	7.351	0.005	90	2500	4.00	4.21	
68 2,4-Dinitrotoluene	165	7.468	7.469	-0.001	90	7312	2.00	1.83	
76 4,6-Dinitro-2-methylphenol	198	7.848	7.856	-0.008	82	6901	4.00	2.91	
$ 79 2,4,6-Tribromophenol	330	8.017	8.019	-0.002	92	5582	2.00	1.90	
81 Hexachlorobenzene	284	8.295	8.297	-0.002	96	9799	2.00	2.00	
82 Atrazine	200	8.416	8.422	-0.006	88	6740	2.00	1.89	
83 Pentachlorophenol	266	8.493	8.496	-0.003	90	9657	4.00	3.27	
* 85 Phenanthrene-d10	188	8.681	8.684	-0.003	99	736621	40.0	40.0	

DRAFT

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
89 Di-n-butyl phthalate	149	9.243	9.247	-0.004	99	43472	2.00	1.91	
$ 94 Terphenyl-d14	244	10.207	10.212	-0.005	97	34265	2.00	2.00	
98 3,3'-Dichlorobenzidine	252	11.324	11.327	-0.003	97	14343	2.00	1.86	
99 Benzo[a]anthracene	228	11.334	11.340	-0.006	100	38691	2.00	1.99	
* 100 Chrysene-d12	240	11.347	11.353	-0.006	98	577664	40.0	40.0	
104 Benzo[b]fluoranthene	252	12.748	12.759	-0.011	96	36158	2.00	1.91	
105 Benzo[k]fluoranthene	252	12.787	12.797	-0.010	98	37752	2.00	1.96	
106 Benzo[a]pyrene	252	13.218	13.226	-0.008	95	34635	2.00	1.94	
* 107 Perylene-d12	264	13.304	13.309	-0.005	98	688503	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.930	14.946	-0.016	97	36978	2.00	1.88	
109 Dibenz(a,h)anthracene	278	14.978	14.994	-0.016	97	36131	2.00	1.90	
110 Benzo[g,h,i]perylene	276	15.393	15.413	-0.020	95	34330	2.00	1.89	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SV_BNA_L3_00006 Amount Added: 1.00 Units: mL

DRAFT

Report Date: 24-Jun-2024 11:37:15 Chrom Revision: 2.3 23-Jun-2024 11:08:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37510.d

Injection Date: 24-Jun-2024 10:21:30 Instrument ID: CBNAMS12 Operator ID:

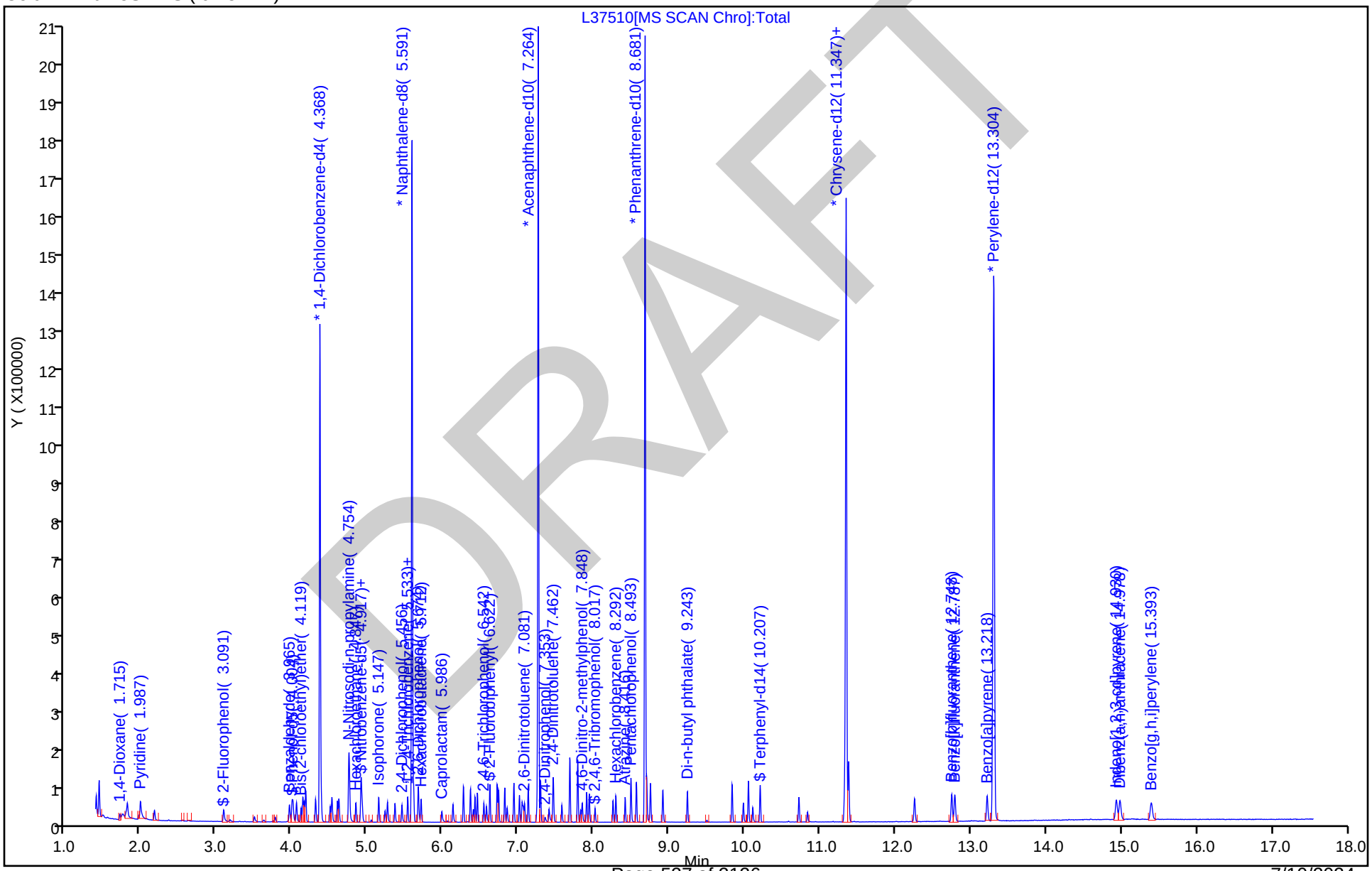
Lims ID: STD2 Worklist Smp#: 8

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 8

Method: 8270_12R_9 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

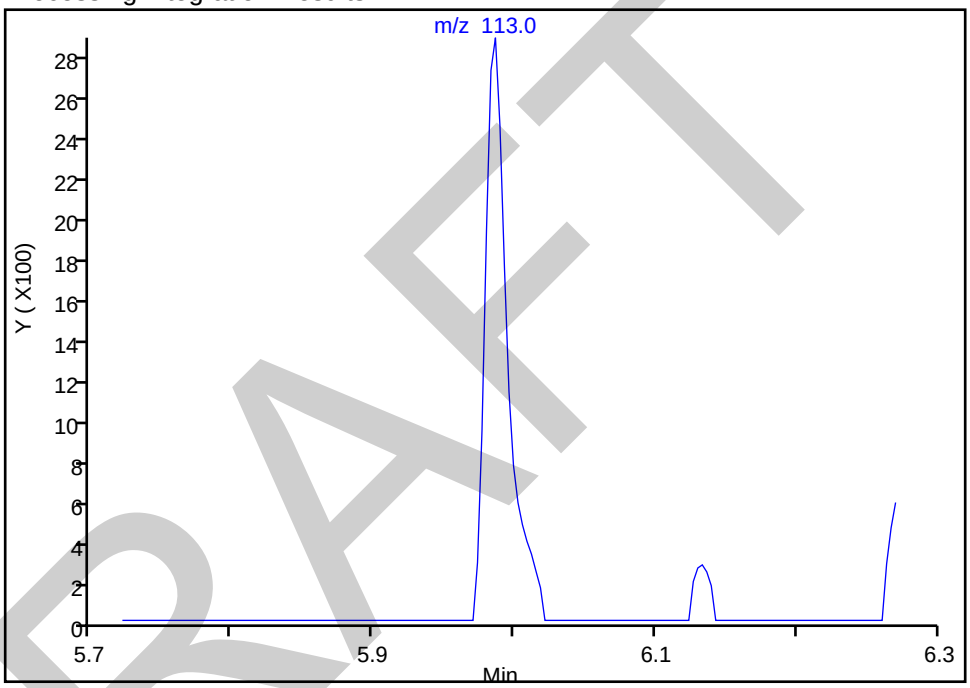
Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37510.d				
Injection Date:	24-Jun-2024 10:21:30	Instrument ID:	CBNAMS12		
Lims ID:	STD2				
Client ID:					
Operator ID:		ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

40 Caprolactam, CAS: 105-60-2

Signal: 1

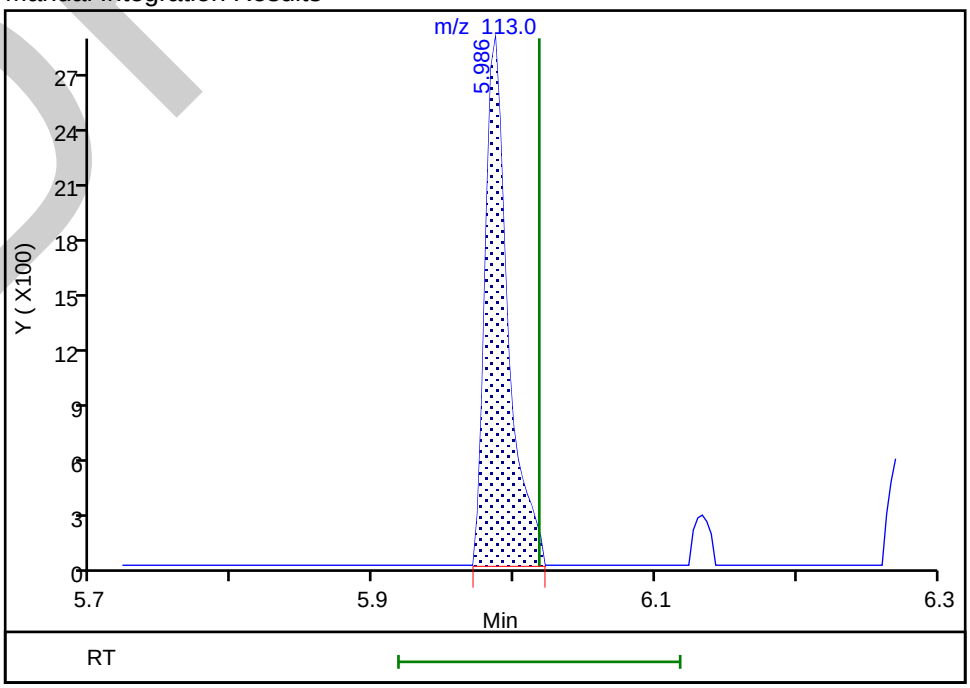
Not Detected
Expected RT: 6.02

Processing Integration Results



Manual Integration Results

RT: 5.99
Area: 3169
Amount: 2.095665
Amount Units: ug/ml



Reviewer: G4KC, 24-Jun-2024 10:42:03 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Missed Peak

DRAFT

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37511.d
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 24-Jun-2024 10:43:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0177545-009
Operator ID: Instrument ID: CBNAMS12
Sublist: chrom-8270_12R_9*sub56

Method: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\8270_12R_9.m
Limit Group: SV 8270E ICAL
Last Update: 24-Jun-2024 11:37:17 Calib Date: 24-Jun-2024 11:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37512.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1642

First Level Reviewer: G4KC Date: 24-Jun-2024 11:06:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.715	1.712	0.003	96	3353	1.00	1.19	
3 Pyridine	79	1.996	1.974	0.022	93	11877	2.00	1.77	M
$ 4 2-Fluorophenol	112	3.094	3.085	0.009	95	5121	1.00	0.7369	
5 Benzaldehyde	77	3.965	3.960	0.005	94	5405	1.00	0.8848	
$ 6 Phenol-d5	99	4.001	4.001	-0.001	0	8239	1.00	0.8810	
9 Bis(2-chloroethyl)ether	93	4.119	4.120	-0.001	94	6024	1.00	0.9119	
* 13 1,4-Dichlorobenzene-d4	152	4.368	4.369	-0.001	97	200853	40.0	40.0	
21 N-Nitrosodi-n-propylamine	70	4.754	4.759	-0.005	84	5222	1.00	0.99	
25 Hexachloroethane	117	4.843	4.848	-0.005	93	2914	1.00	1.00	
$ 26 Nitrobenzene-d5	82	4.914	4.912	0.002	88	7285	1.00	0.9199	
28 n,n'-Dimethylaniline	120	4.917	4.922	-0.005	94	9893	1.00	0.9613	
27 Nitrobenzene	123	4.930	4.934	-0.004	92	3006	1.00	0.9338	
35 1,2,4-Trichlorobenzene	180	5.533	5.535	-0.002	92	6453	1.00	1.09	
* 36 Naphthalene-d8	136	5.590	5.593	-0.003	99	763427	40.0	40.0	
39 Hexachlorobutadiene	225	5.712	5.714	-0.002	94	3209	1.00	1.00	
40 Caprolactam	113	5.989	6.018	-0.029	88	1119	1.00	1.22	Ma
$ 50 2-Fluorobiphenyl	172	6.624	6.625	-0.001	96	13861	1.00	0.99	
60 2,6-Dinitrotoluene	165	7.084	7.089	-0.005	93	2571	1.00	0.8835	
* 63 Acenaphthene-d10	164	7.263	7.268	-0.005	97	388816	40.0	40.0	
68 2,4-Dinitrotoluene	165	7.467	7.469	-0.002	87	3445	1.00	0.8850	a
$ 79 2,4,6-Tribromophenol	330	8.020	8.019	0.001	89	2306	1.00	0.8074	
81 Hexachlorobenzene	284	8.294	8.297	-0.003	95	4622	1.00	0.9816	
82 Atrazine	200	8.418	8.422	-0.004	86	3091	1.00	0.8982	
* 85 Phenanthrene-d10	188	8.680	8.684	-0.004	99	709639	40.0	40.0	
$ 94 Terphenyl-d14	244	10.209	10.212	-0.003	97	15504	1.00	0.9284	
99 Benzo[a]anthracene	228	11.336	11.340	-0.004	99	19345	1.00	1.02	
* 100 Chrysene-d12	240	11.345	11.353	-0.008	98	562023	40.0	40.0	
104 Benzo[b]fluoranthene	252	12.747	12.759	-0.012	97	17879	1.00	0.9493	
105 Benzo[k]fluoranthene	252	12.788	12.797	-0.009	97	18435	1.00	0.9592	
106 Benzo[a]pyrene	252	13.219	13.226	-0.007	94	16774	1.00	0.9442	
* 107 Perylene-d12	264	13.306	13.309	-0.003	98	686489	40.0	40.0	

DRAFT

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
108 Indeno[1,2,3-cd]pyrene	276	14.932	14.946	-0.014	96	17663	1.00	0.9030	
109 Dibenz(a,h)anthracene	278	14.980	14.994	-0.014	97	17402	1.00	0.9180	
110 Benzo[g,h,i]perylene	276	15.392	15.413	-0.021	94	16020	1.00	0.8850	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SV_BNA_L2_00006 Amount Added: 1.00 Units: mL

DRAFT

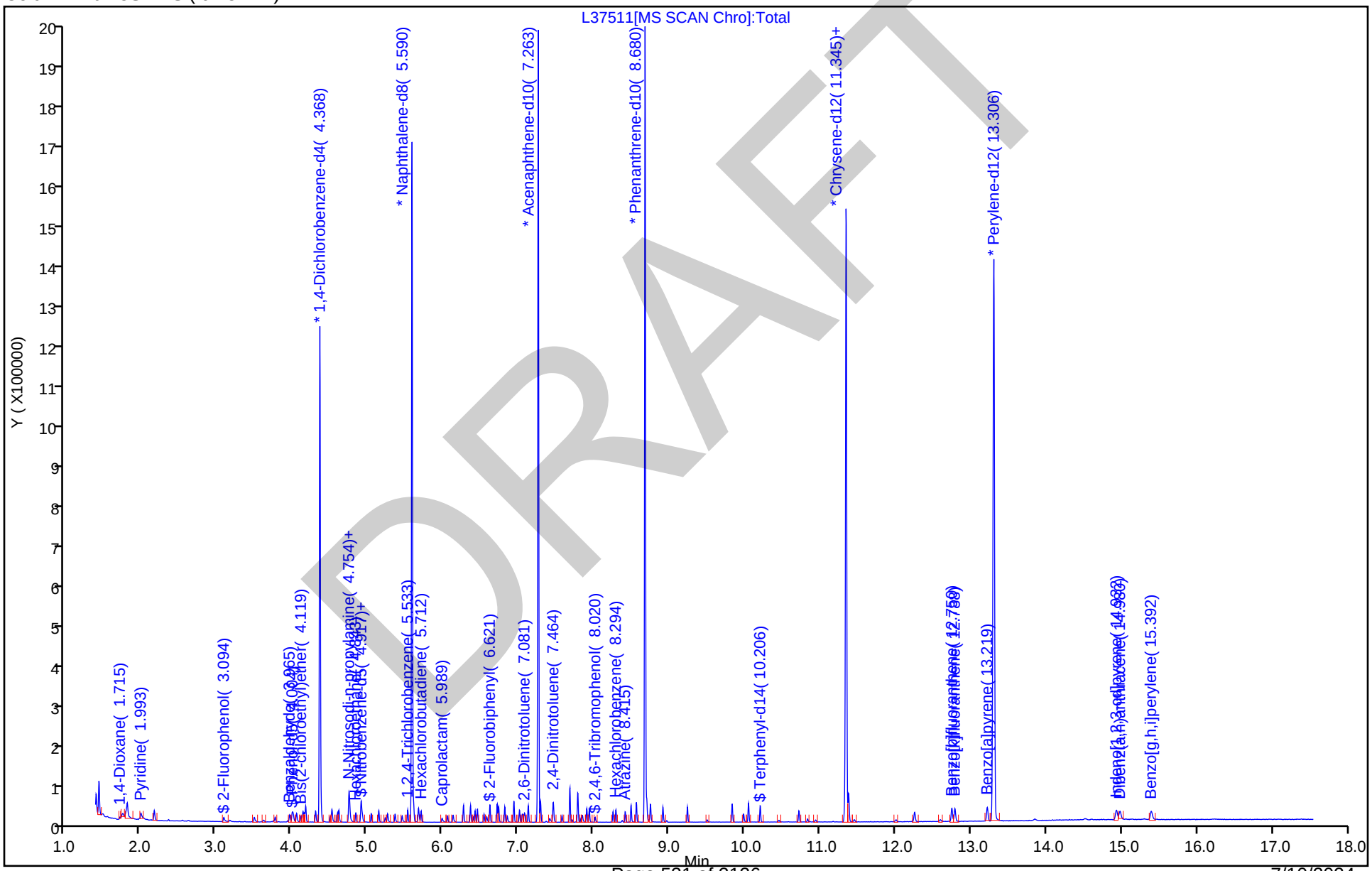
Report Date: 24-Jun-2024 11:37:18 Chrom Revision: 2.3 23-Jun-2024 11:08:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37511.d

Injection Date:	24-Jun-2024 10:43:30	Instrument ID:	CBNAMS12	Operator ID:	
Lims ID:	STD1			Worklist Smp#:	9
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	9
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



DRAFT

7/10/2024
4:48:04 PM

Manual Integration/User Assign Peak Report

Eurofins Edison

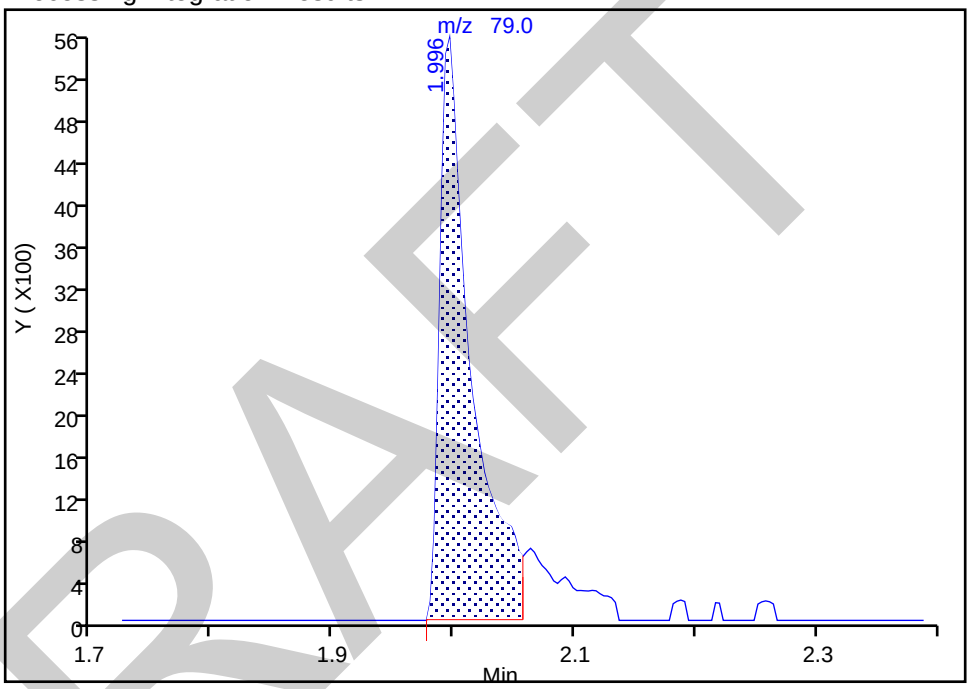
Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37511.d
Injection Date: 24-Jun-2024 10:43:30 Instrument ID: CBNAMS12
Lims ID: STD1
Client ID:
Operator ID: ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_12R_9 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

3 Pyridine, CAS: 110-86-1

Signal: 1

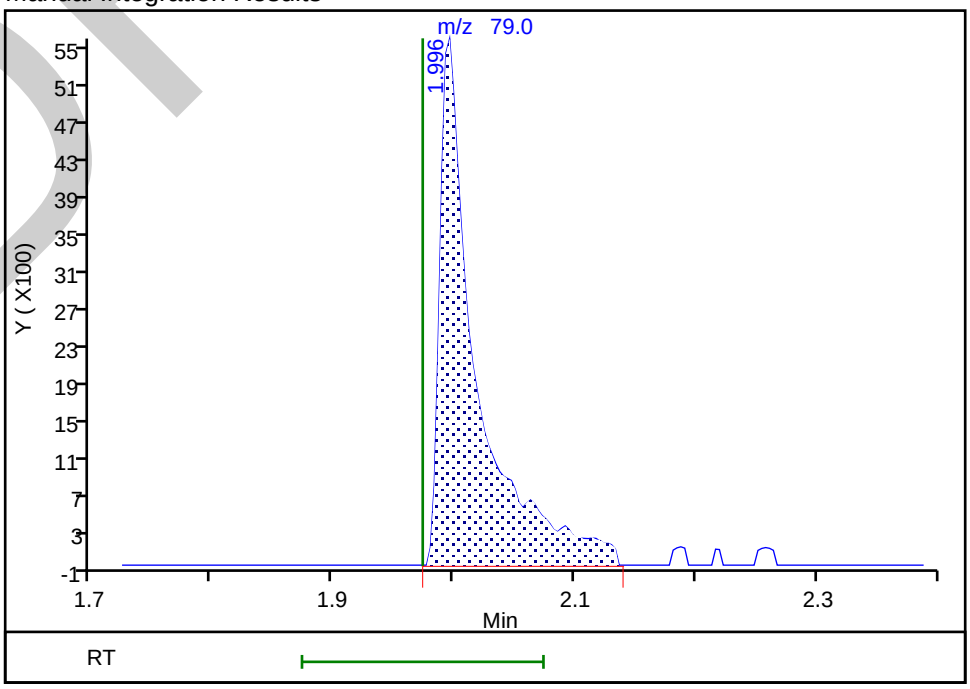
Processing Integration Results

RT: 2.00
Area: 10145
Amount: 1.537559
Amount Units: ug/ml



Manual Integration Results

RT: 2.00
Area: 11877
Amount: 1.771002
Amount Units: ug/ml



Reviewer: G4KC, 24-Jun-2024 11:06:07 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Baseline

DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

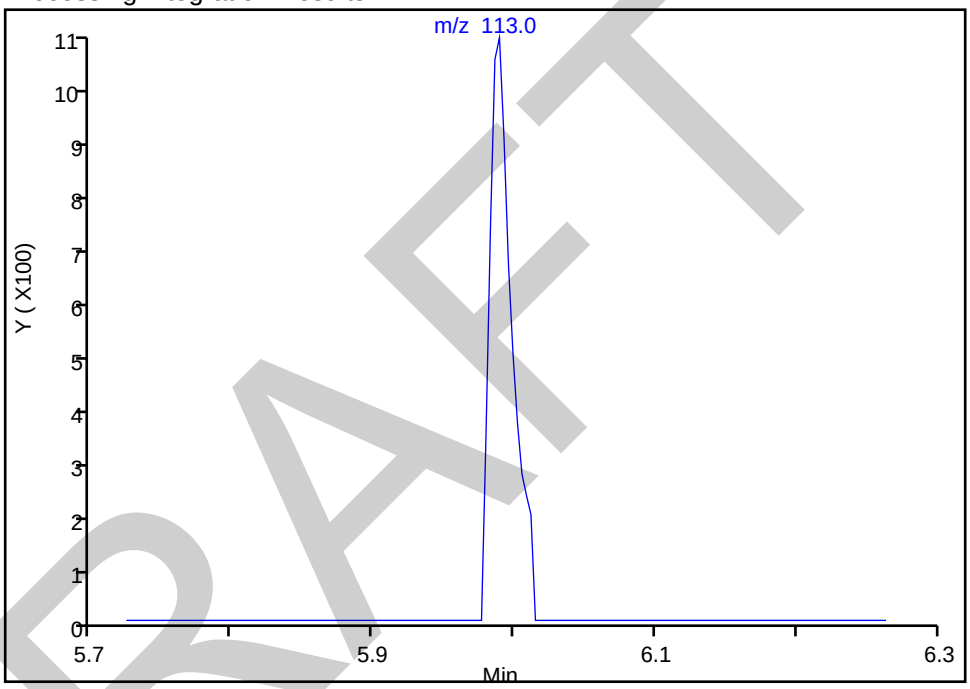
Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37511.d				
Injection Date:	24-Jun-2024 10:43:30	Instrument ID:	CBNAMS12		
Lims ID:	STD1				
Client ID:					
Operator ID:		ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

40 Caprolactam, CAS: 105-60-2

Signal: 1

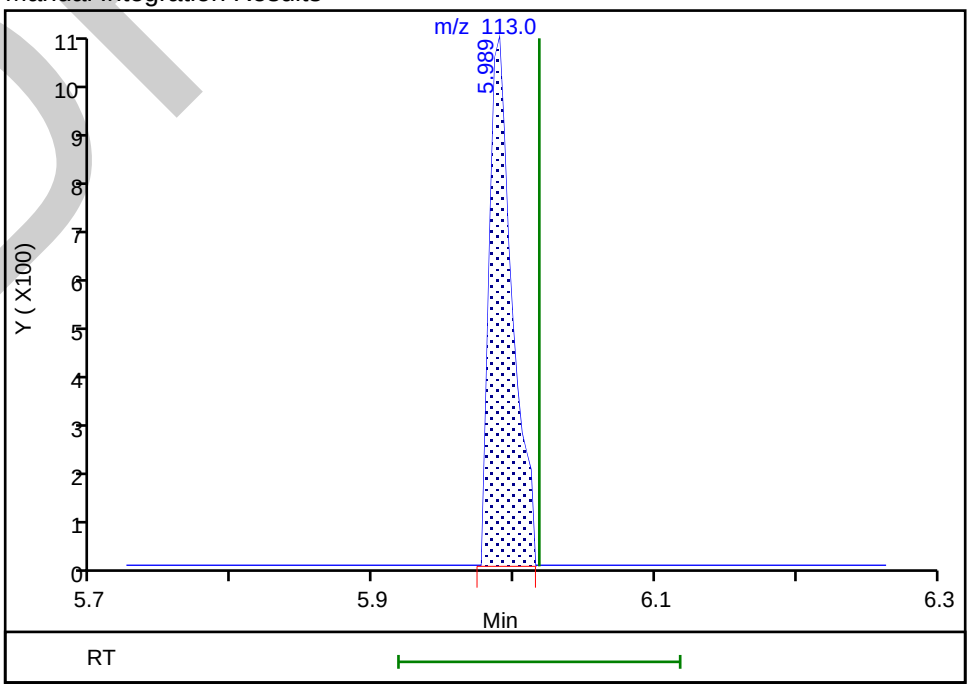
Not Detected
Expected RT: 6.02

Processing Integration Results



Manual Integration Results

RT: 5.99
Area: 1119
Amount: 1.215469
Amount Units: ug/ml



Reviewer: G4KC, 24-Jun-2024 11:05:49 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Missed Peak

DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

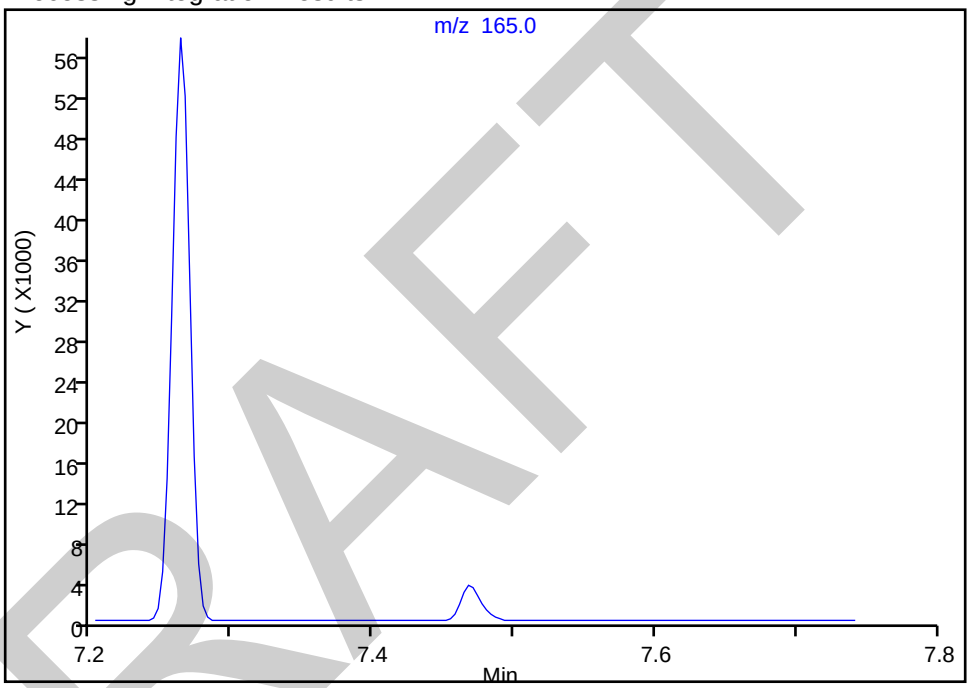
Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37511.d				
Injection Date:	24-Jun-2024 10:43:30	Instrument ID:	CBNAMS12		
Lims ID:	STD1				
Client ID:					
Operator ID:		ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

68 2,4-Dinitrotoluene, CAS: 121-14-2

Signal: 1

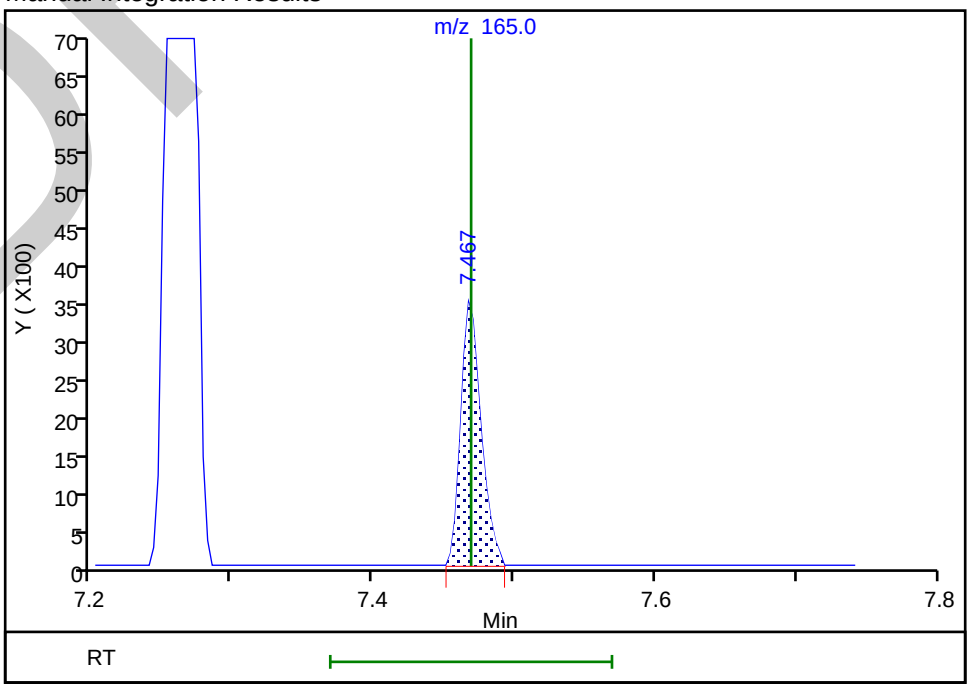
Not Detected
Expected RT: 7.47

Processing Integration Results



Manual Integration Results

RT: 7.47
Area: 3445
Amount: 0.885017
Amount Units: ug/ml



Reviewer: G4KC, 24-Jun-2024 11:05:28 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

DRAFT

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37512.d
Lims ID: STD05
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 24-Jun-2024 11:06:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0177545-010
Operator ID: Instrument ID: CBNAMS12
Sublist: chrom-8270_12R_9*sub56

Method: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\8270_12R_9.m
Limit Group: SV 8270E ICAL
Last Update: 24-Jun-2024 11:37:20 Calib Date: 24-Jun-2024 11:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37512.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1642

First Level Reviewer: G4KC Date: 24-Jun-2024 11:28:50

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.715	1.712	0.003	90	1680	0.5000	0.5705	
$ 6 Phenol-d5	99	4.003	4.001	0.002	0	3585	0.5000	0.3671	
9 Bis(2-chloroethyl)ether	93	4.121	4.120	0.001	95	3019	0.5000	0.4377	
* 13 1,4-Dichlorobenzene-d4	152	4.367	4.369	-0.002	97	209706	40.0	40.0	
21 N-Nitrosodi-n-propylamine	70	4.753	4.759	-0.006	74	2183	0.5000	0.3982	a
25 Hexachloroethane	117	4.843	4.848	-0.005	92	1427	0.5000	0.4682	
$ 26 Nitrobenzene-d5	82	4.913	4.912	0.001	88	3248	0.5000	0.3952	
28 n,n'-Dimethylaniline	120	4.916	4.922	-0.006	98	5018	0.5000	0.4670	
27 Nitrobenzene	123	4.932	4.934	-0.002	95	1427	0.5000	0.4246	
35 1,2,4-Trichlorobenzene	180	5.532	5.535	-0.003	94	2801	0.5000	0.4567	
* 36 Naphthalene-d8	136	5.590	5.593	-0.003	99	792288	40.0	40.0	
$ 50 2-Fluorobiphenyl	172	6.624	6.625	-0.001	96	6537	0.5000	0.4518	
* 63 Acenaphthene-d10	164	7.265	7.268	-0.003	97	403656	40.0	40.0	
81 Hexachlorobenzene	284	8.293	8.297	-0.004	92	2198	0.5000	0.4515	
* 85 Phenanthrene-d10	188	8.682	8.684	-0.002	99	733680	40.0	40.0	
$ 94 Terphenyl-d14	244	10.208	10.212	-0.004	97	7179	0.5000	0.4185	
99 Benzo[a]anthracene	228	11.334	11.340	-0.006	98	9894	0.5000	0.5102	
* 100 Chrysene-d12	240	11.347	11.353	-0.006	99	577290	40.0	40.0	
104 Benzo[b]fluoranthene	252	12.748	12.759	-0.011	97	8741	0.5000	0.4520	
105 Benzo[k]fluoranthene	252	12.790	12.797	-0.007	95	8833	0.5000	0.4477	
106 Benzo[a]pyrene	252	13.218	13.226	-0.008	94	7753	0.5000	0.4251	
* 107 Perylene-d12	264	13.304	13.309	-0.005	98	704783	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.933	14.946	-0.013	95	8245	0.5000	0.4106	
109 Dibenz(a,h)anthracene	278	14.981	14.994	-0.013	97	7460	0.5000	0.3833	a
110 Benzo[g,h,i]perylene	276	15.396	15.413	-0.017	94	7802	0.5000	0.4198	

QC Flag Legend
Processing Flags

DRAFT

Review Flags
a - User Assigned ID

Reagents:

SV_BNA_L1_00006 Amount Added: 1.00 Units: mL

DRAFT

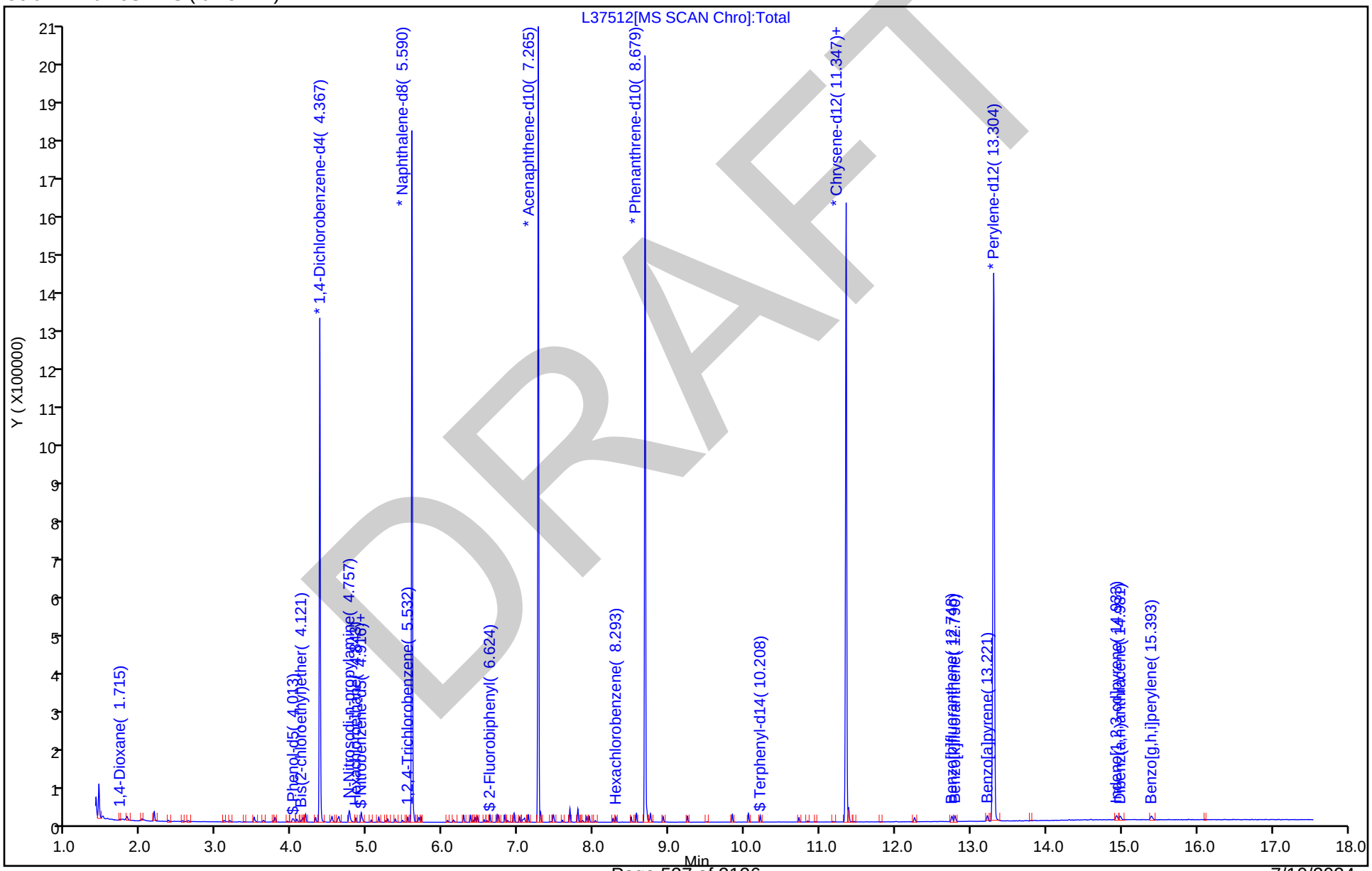
Report Date: 24-Jun-2024 11:37:22 Chrom Revision: 2.3 23-Jun-2024 11:08:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37512.d

Injection Date:	24-Jun-2024 11:06:30	Instrument ID:	CBNAMS12	Operator ID:	
Lims ID:	STD05			Worklist Smp#:	10
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	10
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

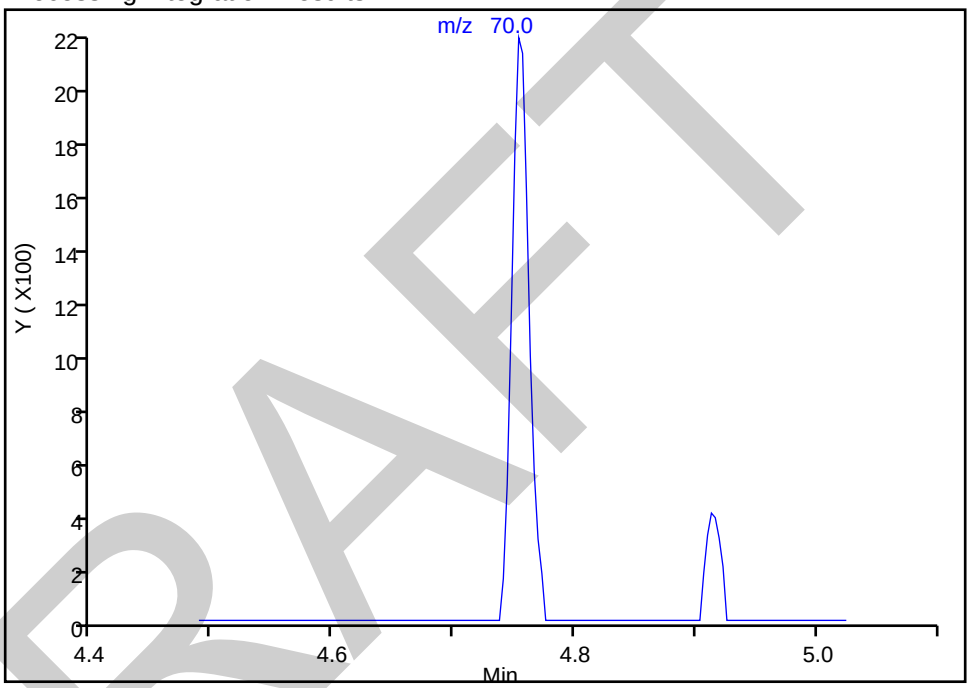
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Injection Date: 24-Jun-2024 11:06:30 Instrument ID: CBNAMS12
Lims ID: STD05
Client ID:
Operator ID: ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_12R_9 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

21 N-Nitrosodi-n-propylamine, CAS: 621-64-7

Signal: 1

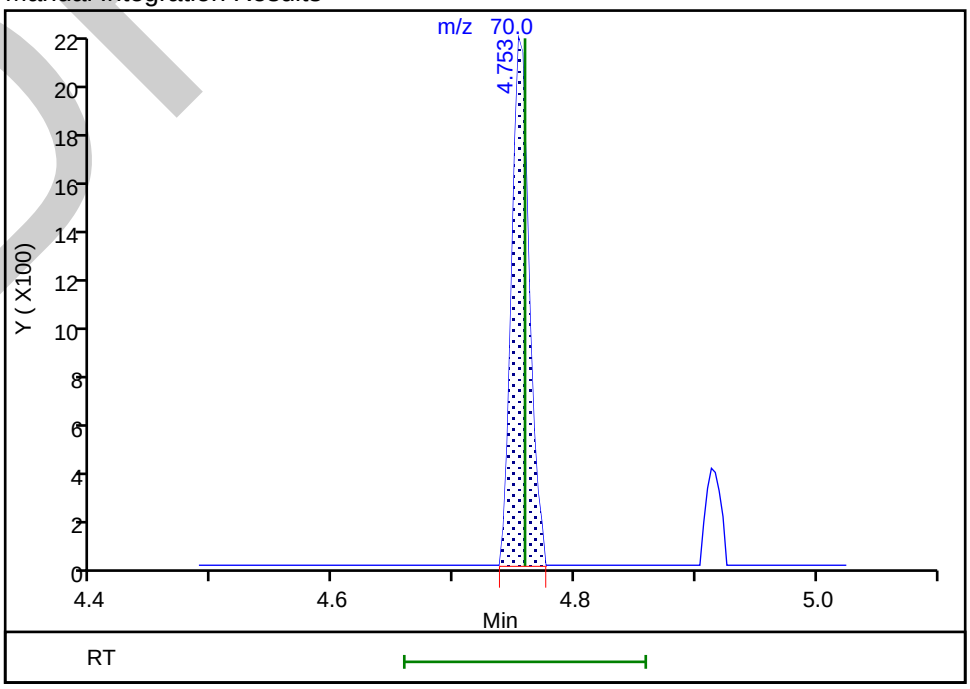
Not Detected
Expected RT: 4.76

Processing Integration Results



Manual Integration Results

RT: 4.75
Area: 2183
Amount: 0.398166
Amount Units: ug/ml



Reviewer: G4KC, 24-Jun-2024 11:28:44 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

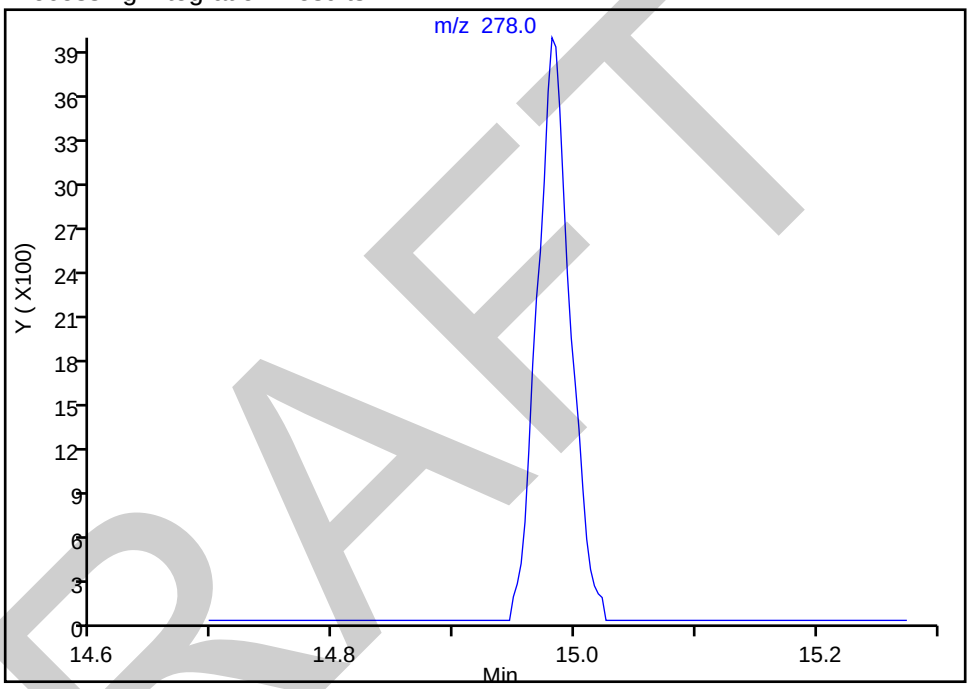
Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37512.d				
Injection Date:	24-Jun-2024 11:06:30	Instrument ID:	CBNAMS12		
Lims ID:	STD05				
Client ID:					
Operator ID:		ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

109 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

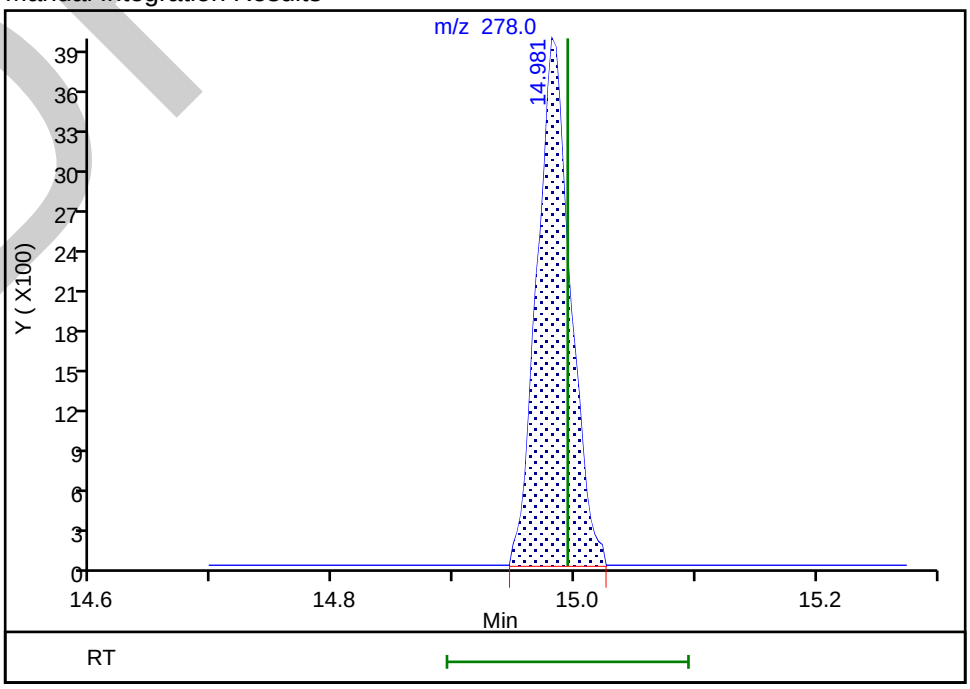
Not Detected
Expected RT: 14.99

Processing Integration Results



Manual Integration Results

RT: 14.98
Area: 7460
Amount: 0.383336
Amount Units: ug/ml



Reviewer: G4KC, 24-Jun-2024 11:28:29 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

DRAFT

Calibration / 1,4-Dioxane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

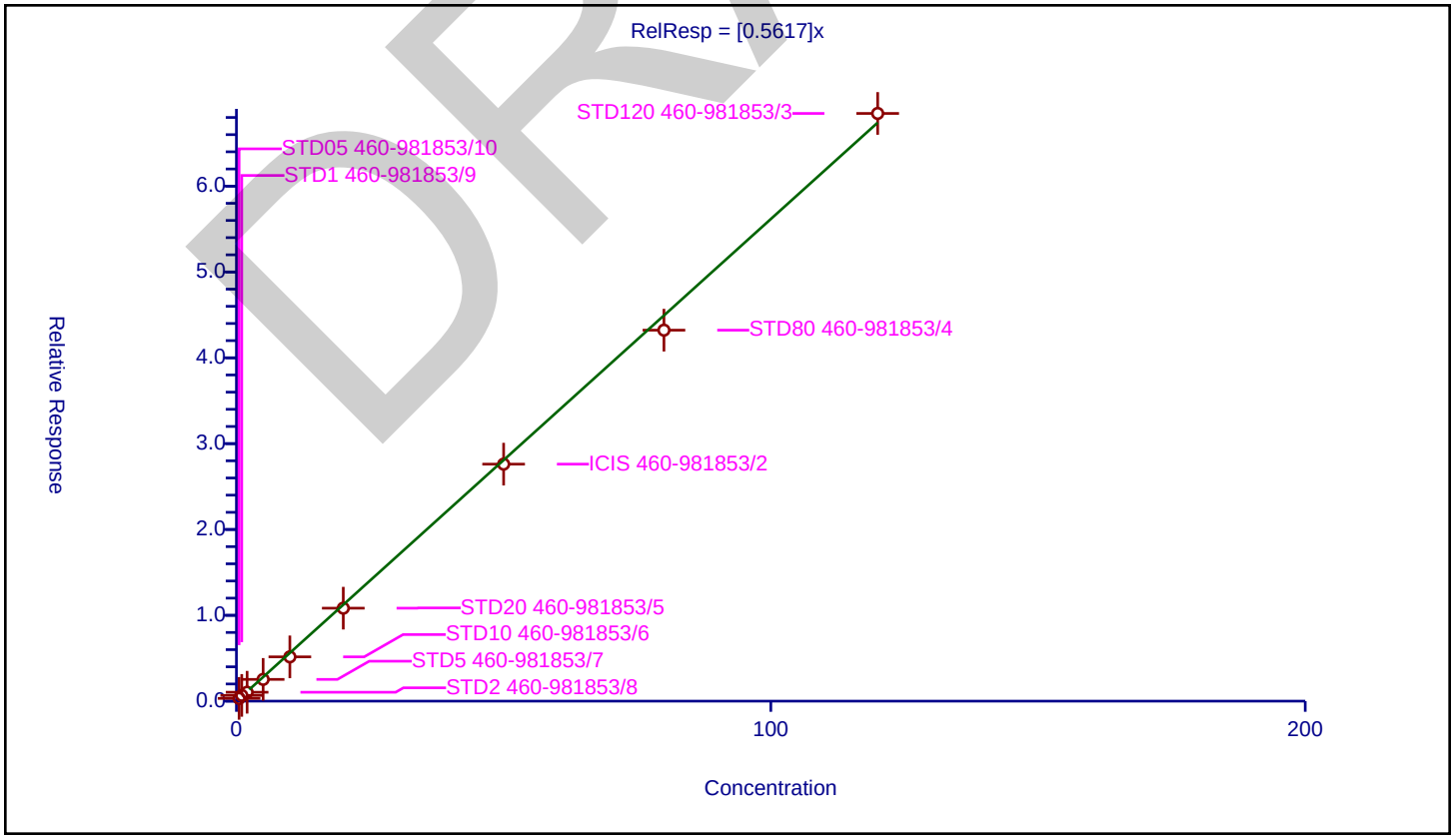
Curve Coefficients

Intercept:	0
Slope:	0.5617

Error Coefficients

Relative Standard Deviation:	10.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD05 460-981853/10	0.5	0.320449	40.0	209706.0	0.640897	Y
2	STD1 460-981853/9	1.0	0.667752	40.0	200853.0	0.667752	Y
3	STD2 460-981853/8	2.0	1.038343	40.0	206714.0	0.519171	Y
4	STD5 460-981853/7	5.0	2.532561	40.0	217282.0	0.506512	Y
5	STD10 460-981853/6	10.0	5.159383	40.0	209056.0	0.515938	Y
6	STD20 460-981853/5	20.0	10.830879	40.0	206059.0	0.541544	Y
7	ICIS 460-981853/2	50.0	27.612181	40.0	185169.0	0.552244	Y
8	STD80 460-981853/4	80.0	43.221605	40.0	203439.0	0.54027	Y
9	STD120 460-981853/3	120.0	68.469445	40.0	191068.0	0.570579	Y



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Calibration / N-Nitrosodimethylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

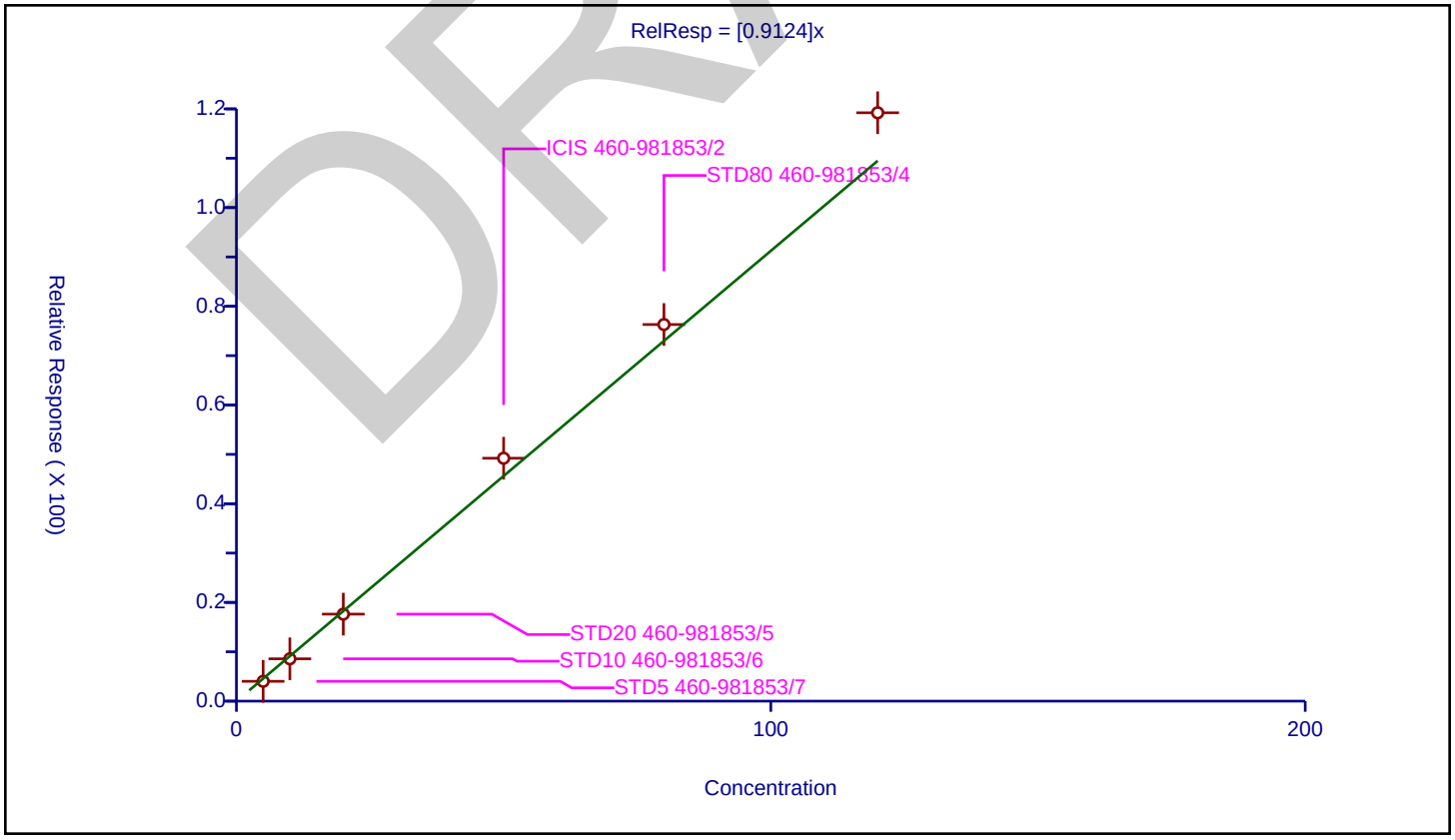
Curve Coefficients

Intercept:	0
Slope:	0.9124

Error Coefficients

Relative Standard Deviation:	8.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	4.015795	40.0	217282.0	0.803159	Y
2	STD10 460-981853/6	10.0	8.577989	40.0	209056.0	0.857799	Y
3	STD20 460-981853/5	20.0	17.630096	40.0	206059.0	0.881505	Y
4	ICIS 460-981853/2	50.0	49.217958	40.0	185169.0	0.984359	Y
5	STD80 460-981853/4	80.0	76.307886	40.0	203439.0	0.953849	Y
6	STD120 460-981853/3	120.0	119.219545	40.0	191068.0	0.993496	Y



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Calibration / Pyridine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

Curve Coefficients

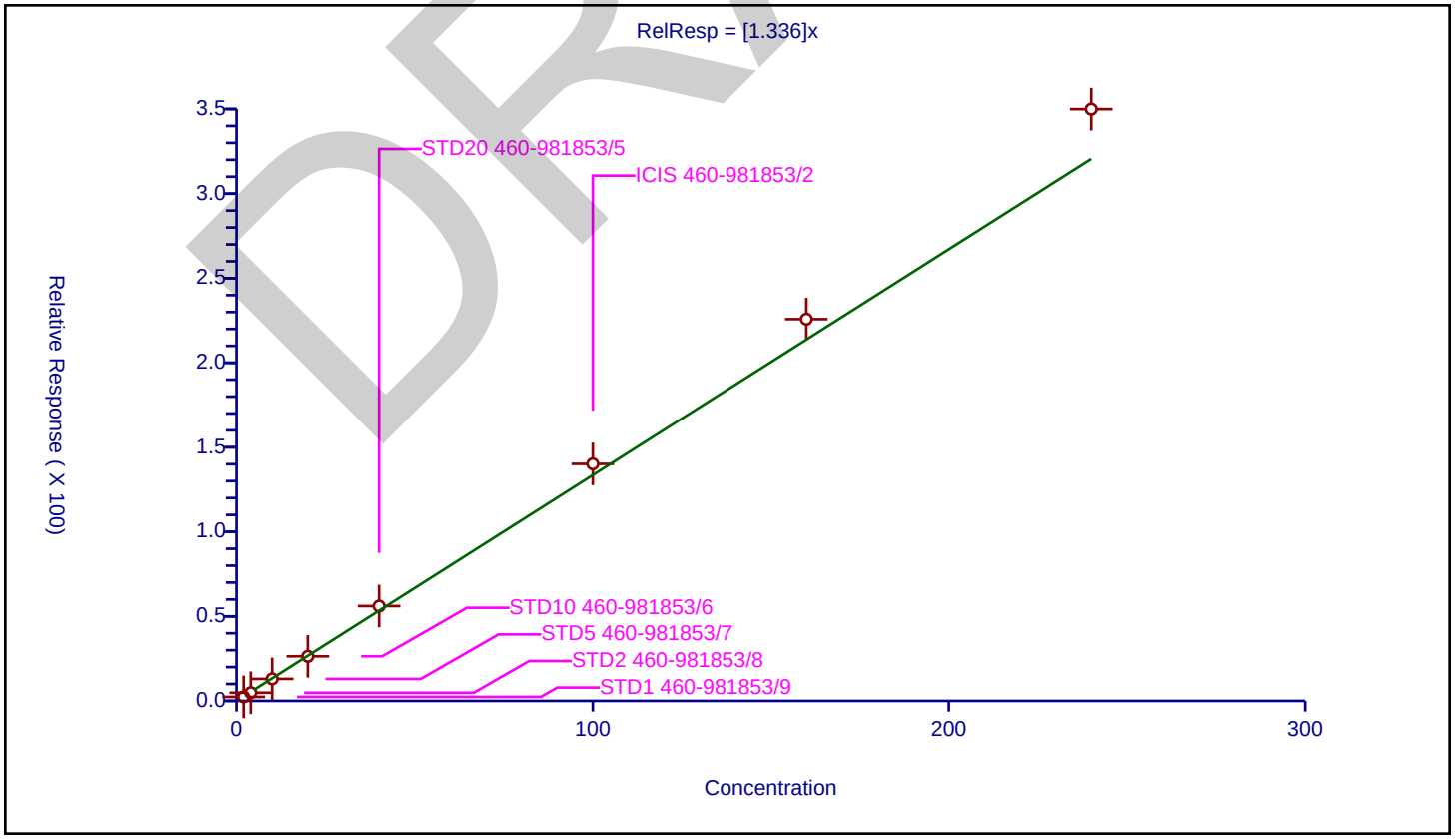
Intercept:	0
Slope:	1.336

Error Coefficients

Relative Standard Deviation:	7.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-981853/9	2.0	2.365312	40.0	200853.0	1.182656	Y
2	STD2 460-981853/8	4.0	4.830249	40.0	206714.0	1.207562	Y
3	STD5 460-981853/7	10.0	13.014055	40.0	217282.0	1.301406	Y
4	STD10 460-981853/6	20.0	26.387188	40.0	209056.0	1.319359	Y
5	STD20 460-981853/5	40.0	56.098302	40.0	206059.0	1.402458	Y
6	ICIS 460-981853/2	100.0	140.192365	40.0	185169.0	1.401924	Y
7	STD80 460-981853/4	160.0	225.804492	40.0	203439.0	1.411278	Y
8	STD120 460-981853/3	240.0	349.91626	40.0	191068.0	1.457984	Y

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Calibration / 2-Fluorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

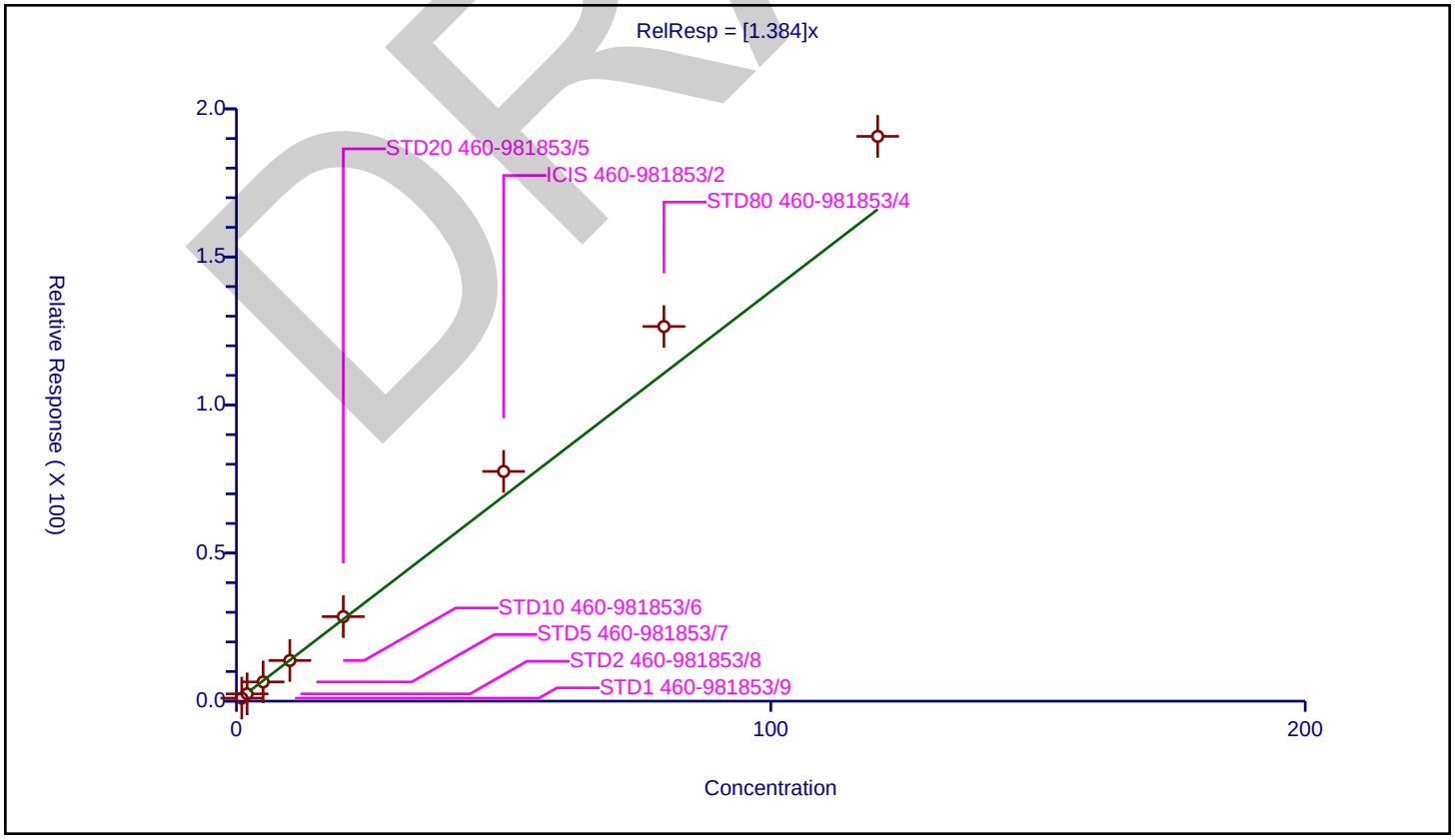
Curve Coefficients

Intercept:	0
Slope:	1.384

Error Coefficients

Relative Standard Deviation:	14.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-981853/9	1.0	1.01985	40.0	200853.0	1.01985	Y
2	STD2 460-981853/8	2.0	2.460985	40.0	206714.0	1.230492	Y
3	STD5 460-981853/7	5.0	6.493129	40.0	217282.0	1.298626	Y
4	STD10 460-981853/6	10.0	13.732014	40.0	209056.0	1.373201	Y
5	STD20 460-981853/5	20.0	28.545611	40.0	206059.0	1.427281	Y
6	ICIS 460-981853/2	50.0	77.568924	40.0	185169.0	1.551378	Y
7	STD80 460-981853/4	80.0	126.515368	40.0	203439.0	1.581442	Y
8	STD120 460-981853/3	120.0	190.728746	40.0	191068.0	1.589406	Y



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Calibration / Benzaldehyde

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

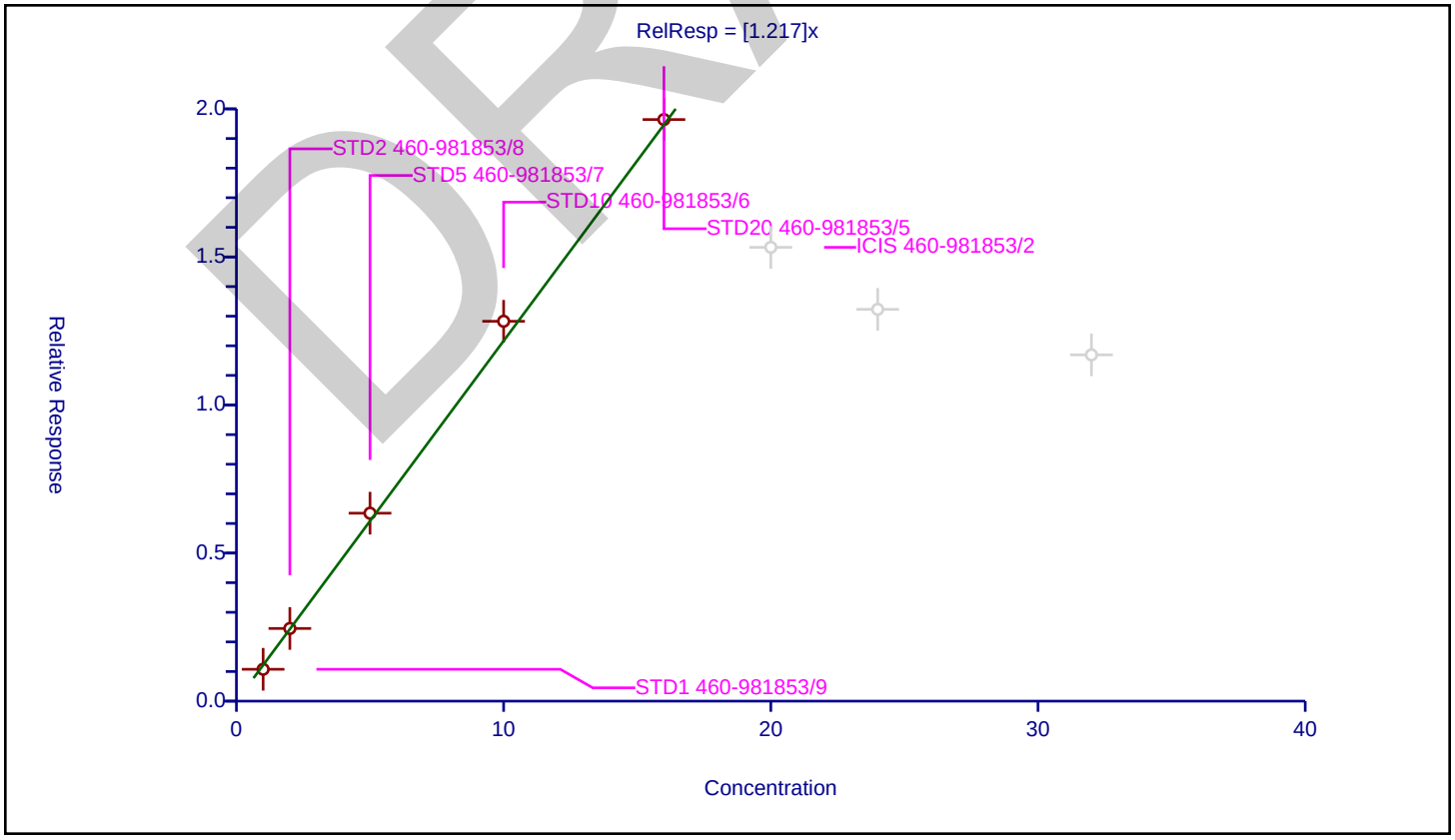
Curve Coefficients

Intercept:	0
Slope:	1.217

Error Coefficients

Relative Standard Deviation:	6.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-981853/9	1.0	1.076409	40.0	200853.0	1.076409	Y
2	STD2 460-981853/8	2.0	2.453632	40.0	206714.0	1.226816	Y
3	STD5 460-981853/7	5.0	6.346775	40.0	217282.0	1.269355	Y
4	STD10 460-981853/6	10.0	12.828333	40.0	209056.0	1.282833	Y
5	STD20 460-981853/5	16.0	19.640588	40.0	206059.0	1.227537	Y
6	ICIS 460-981853/2	20.0	15.325243	40.0	185169.0	0.766262	N
7	STD80 460-981853/4	24.0	13.231091	40.0	203439.0	0.551295	N
8	STD120 460-981853/3	32.0	11.694266	40.0	191068.0	0.365446	N



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Calibration / Phenol-d5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

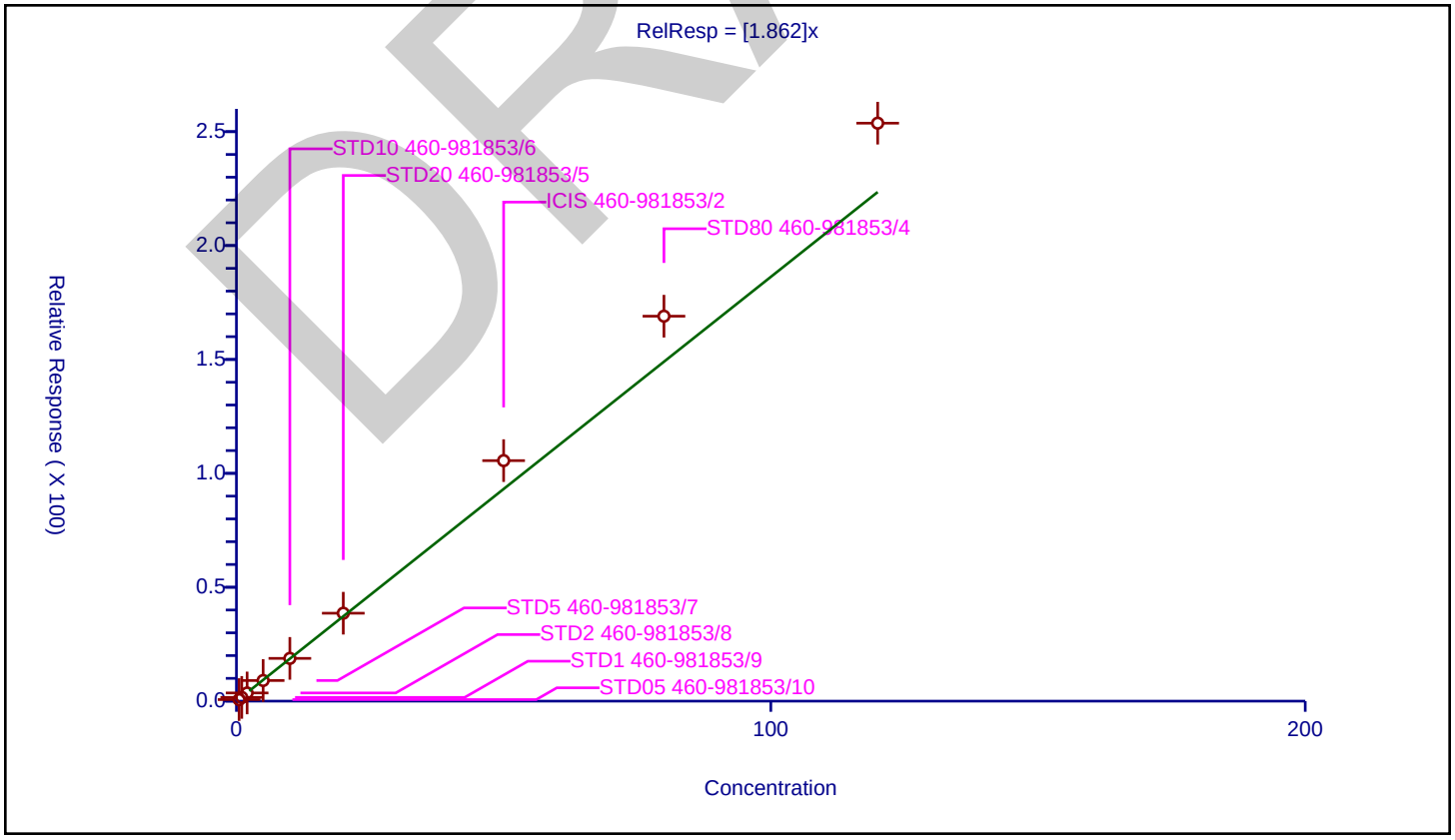
Curve Coefficients

Intercept:	0
Slope:	1.862

Error Coefficients

Relative Standard Deviation:	13.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD05 460-981853/10	0.5	0.683814	40.0	209706.0	1.367629	Y
2	STD1 460-981853/9	1.0	1.640802	40.0	200853.0	1.640802	Y
3	STD2 460-981853/8	2.0	3.594145	40.0	206714.0	1.797072	Y
4	STD5 460-981853/7	5.0	9.057538	40.0	217282.0	1.811508	Y
5	STD10 460-981853/6	10.0	18.768177	40.0	209056.0	1.876818	Y
6	STD20 460-981853/5	20.0	38.600207	40.0	206059.0	1.93001	Y
7	ICIS 460-981853/2	50.0	105.5883	40.0	185169.0	2.111766	Y
8	STD80 460-981853/4	80.0	168.994146	40.0	203439.0	2.112427	Y
9	STD120 460-981853/3	120.0	253.731446	40.0	191068.0	2.114429	Y



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Calibration / Phenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

Curve Coefficients

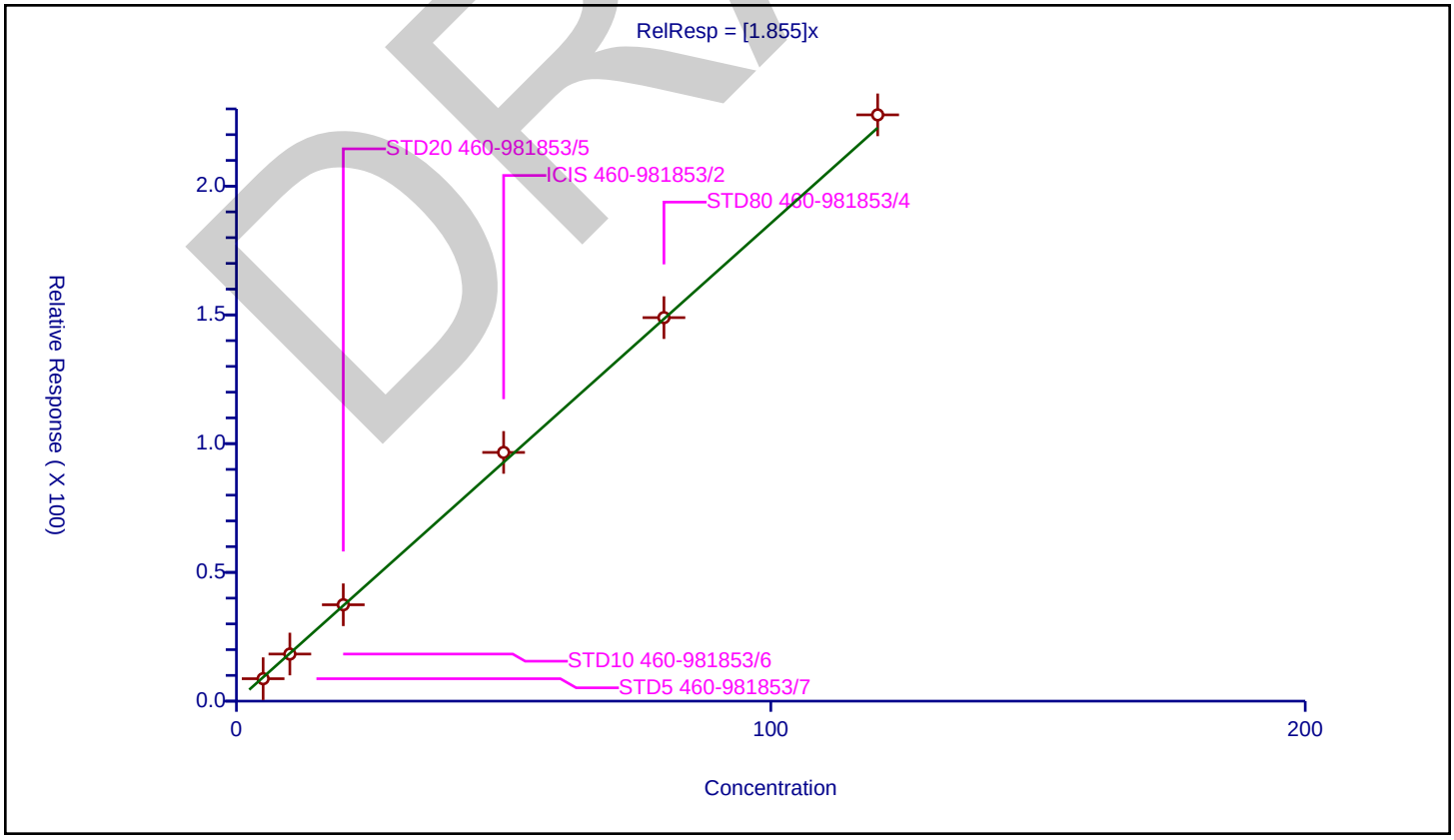
Intercept:	0
Slope:	1.855

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	8.709419	40.0	217282.0	1.741884	Y
2	STD10 460-981853/6	10.0	18.288306	40.0	209056.0	1.828831	Y
3	STD20 460-981853/5	20.0	37.424039	40.0	206059.0	1.871202	Y
4	ICIS 460-981853/2	50.0	96.587226	40.0	185169.0	1.931745	Y
5	STD80 460-981853/4	80.0	148.938601	40.0	203439.0	1.861733	Y
6	STD120 460-981853/3	120.0	227.681872	40.0	191068.0	1.897349	Y

DRAFT



Calibration / Aniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

Curve Coefficients

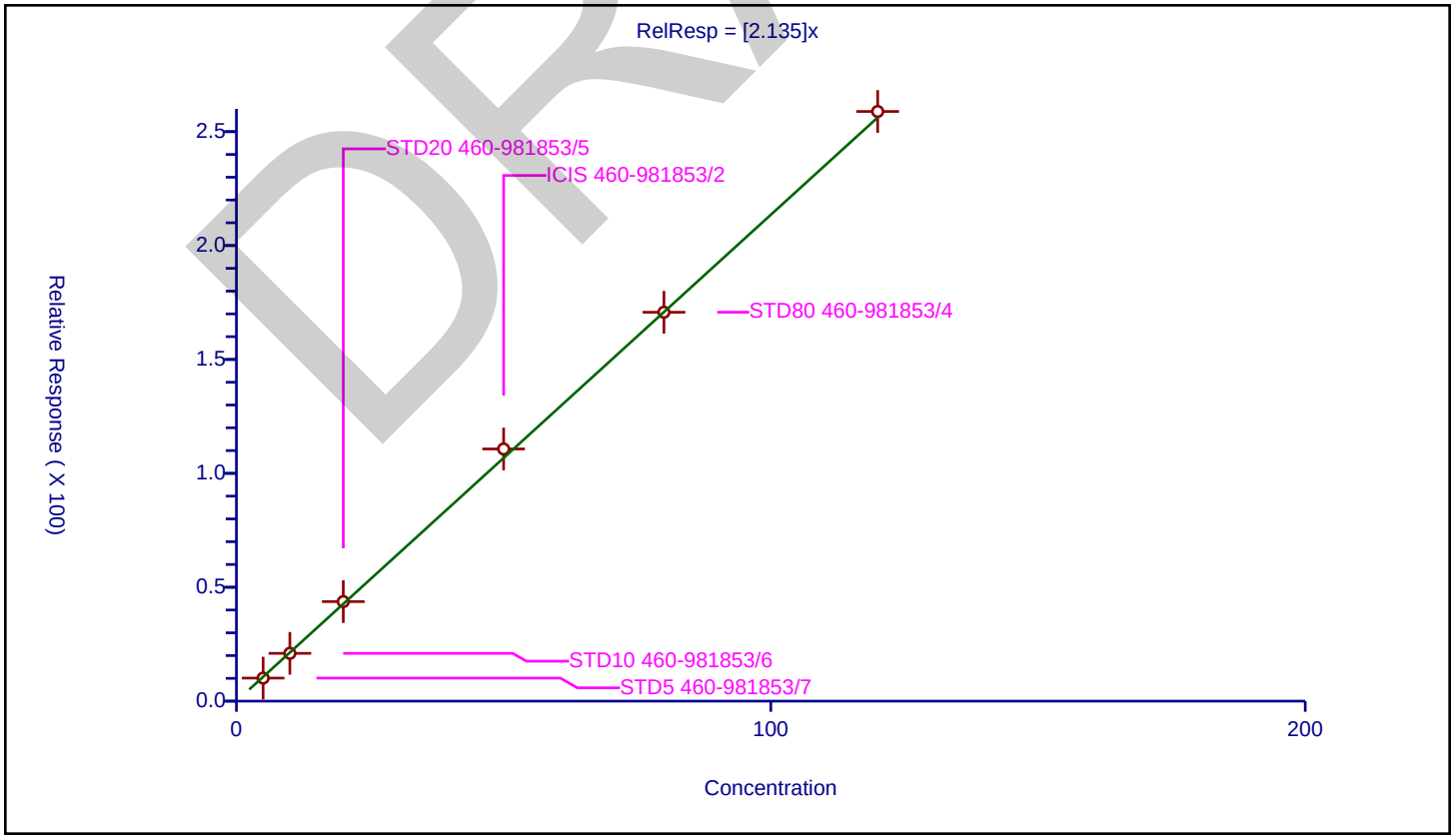
Intercept:	0
Slope:	2.135

Error Coefficients

Relative Standard Deviation:	3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	10.115518	40.0	217282.0	2.023104	Y
2	STD10 460-981853/6	10.0	20.979068	40.0	209056.0	2.097907	Y
3	STD20 460-981853/5	20.0	43.695835	40.0	206059.0	2.184792	Y
4	ICIS 460-981853/2	50.0	110.705356	40.0	185169.0	2.214107	Y
5	STD80 460-981853/4	80.0	170.727343	40.0	203439.0	2.134092	Y
6	STD120 460-981853/3	120.0	258.863023	40.0	191068.0	2.157192	Y

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Calibration / Bis(2-chloroethyl)ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

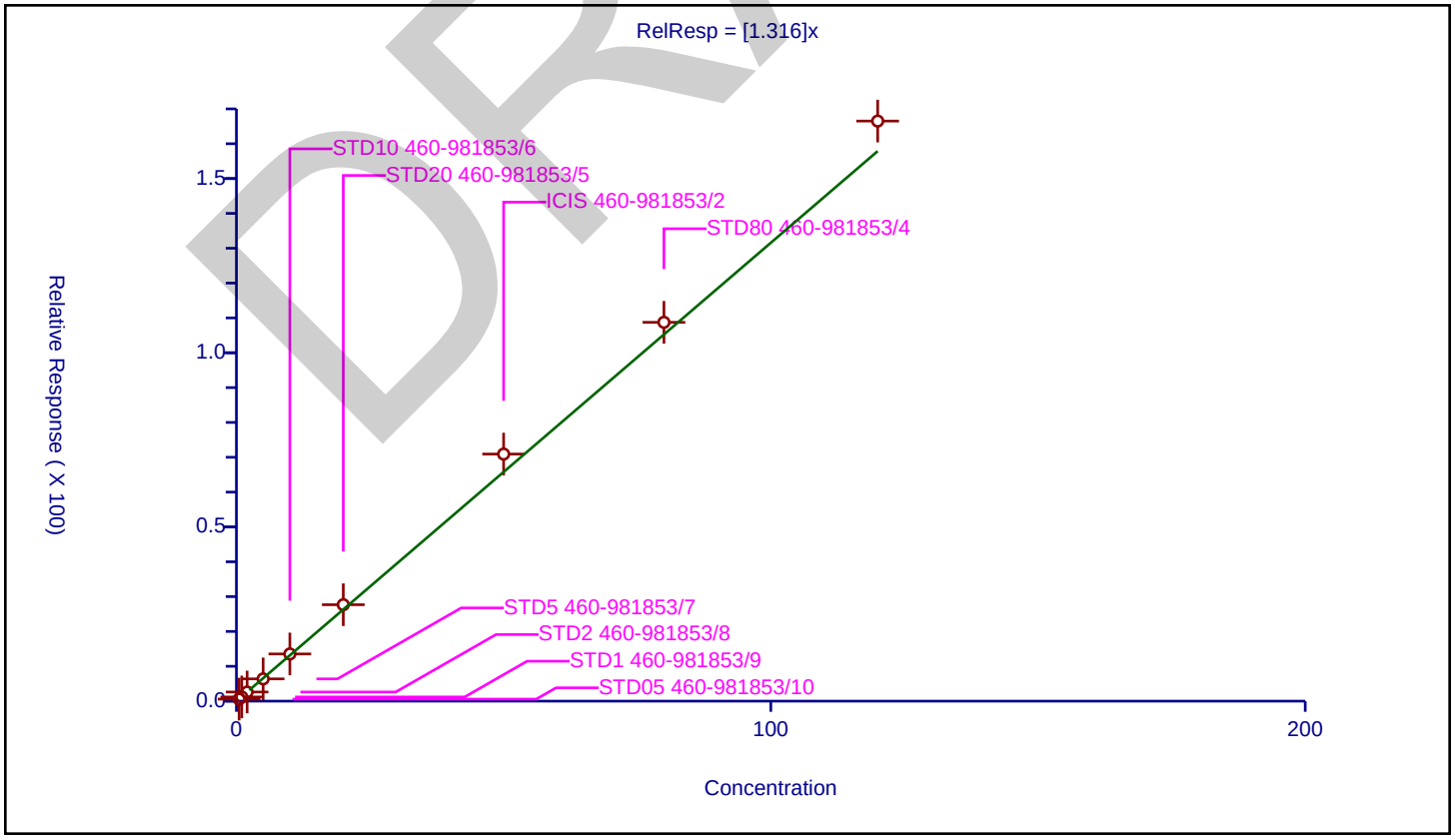
Curve Coefficients

Intercept:	0
Slope:	1.316

Error Coefficients

Relative Standard Deviation:	6.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD05 460-981853/10	0.5	0.575854	40.0	209706.0	1.151708	Y
2	STD1 460-981853/9	1.0	1.199683	40.0	200853.0	1.199683	Y
3	STD2 460-981853/8	2.0	2.617917	40.0	206714.0	1.308958	Y
4	STD5 460-981853/7	5.0	6.383778	40.0	217282.0	1.276756	Y
5	STD10 460-981853/6	10.0	13.543739	40.0	209056.0	1.354374	Y
6	STD20 460-981853/5	20.0	27.678675	40.0	206059.0	1.383934	Y
7	ICIS 460-981853/2	50.0	70.91727	40.0	185169.0	1.418345	Y
8	STD80 460-981853/4	80.0	108.736476	40.0	203439.0	1.359206	Y
9	STD120 460-981853/3	120.0	166.507421	40.0	191068.0	1.387562	Y



DRAFT

Calibration / 2-Chlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

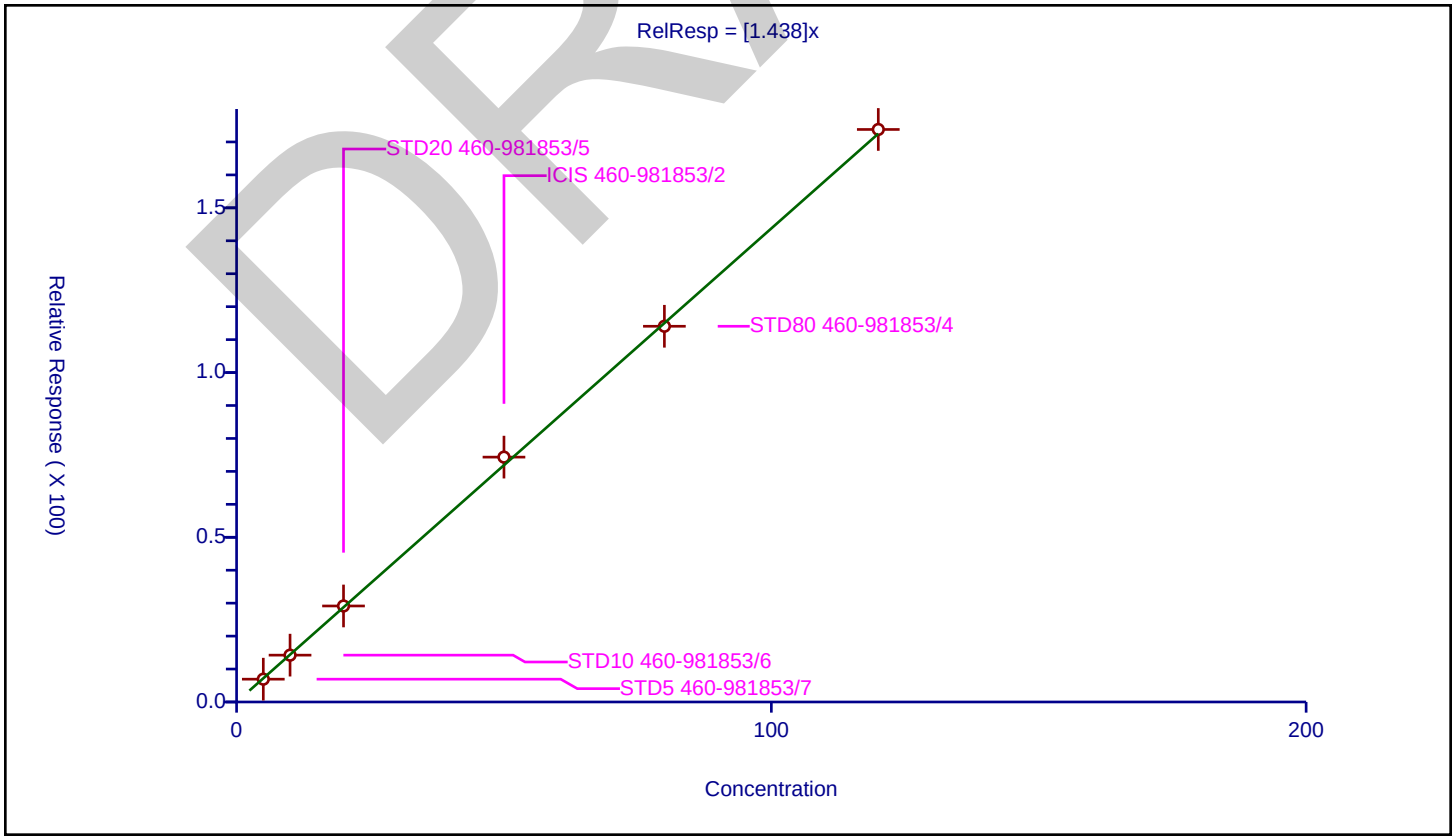
Curve Coefficients

Intercept:	0
Slope:	1.438

Error Coefficients

Relative Standard Deviation:	2.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	6.92906	40.0	217282.0	1.385812	Y
2	STD10 460-981853/6	10.0	14.214947	40.0	209056.0	1.421495	Y
3	STD20 460-981853/5	20.0	29.146798	40.0	206059.0	1.45734	Y
4	ICIS 460-981853/2	50.0	74.32972	40.0	185169.0	1.486594	Y
5	STD80 460-981853/4	80.0	114.052664	40.0	203439.0	1.425658	Y
6	STD120 460-981853/3	120.0	173.787761	40.0	191068.0	1.448231	Y



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Calibration / n-Decane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

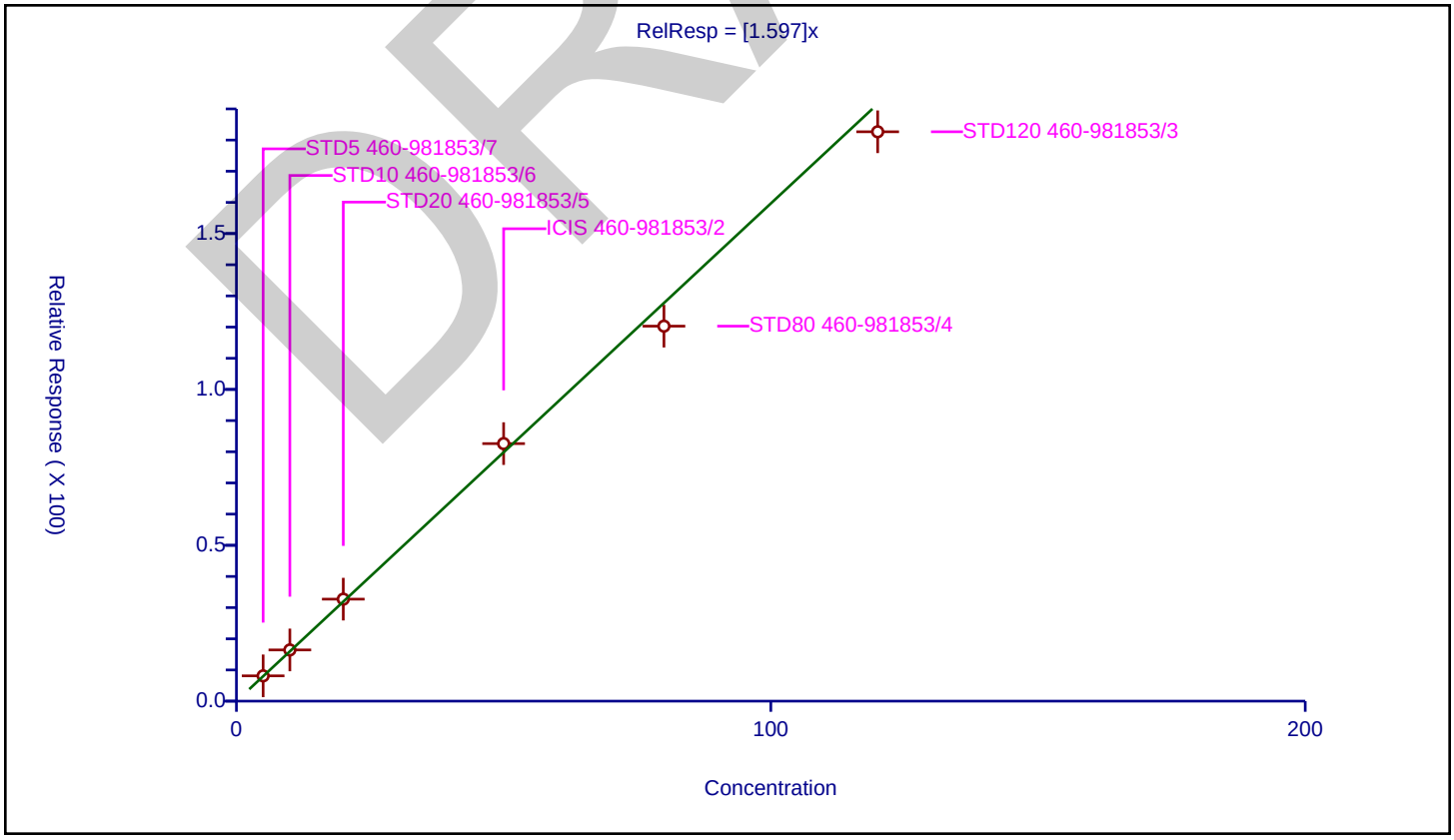
Curve Coefficients

Intercept:	0
Slope:	1.597

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	8.110198	40.0	217282.0	1.62204	Y
2	STD10 460-981853/6	10.0	16.425455	40.0	209056.0	1.642546	Y
3	STD20 460-981853/5	20.0	32.722473	40.0	206059.0	1.636124	Y
4	ICIS 460-981853/2	50.0	82.624845	40.0	185169.0	1.652497	Y
5	STD80 460-981853/4	80.0	120.301221	40.0	203439.0	1.503765	Y
6	STD120 460-981853/3	120.0	182.657274	40.0	191068.0	1.522144	Y



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Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

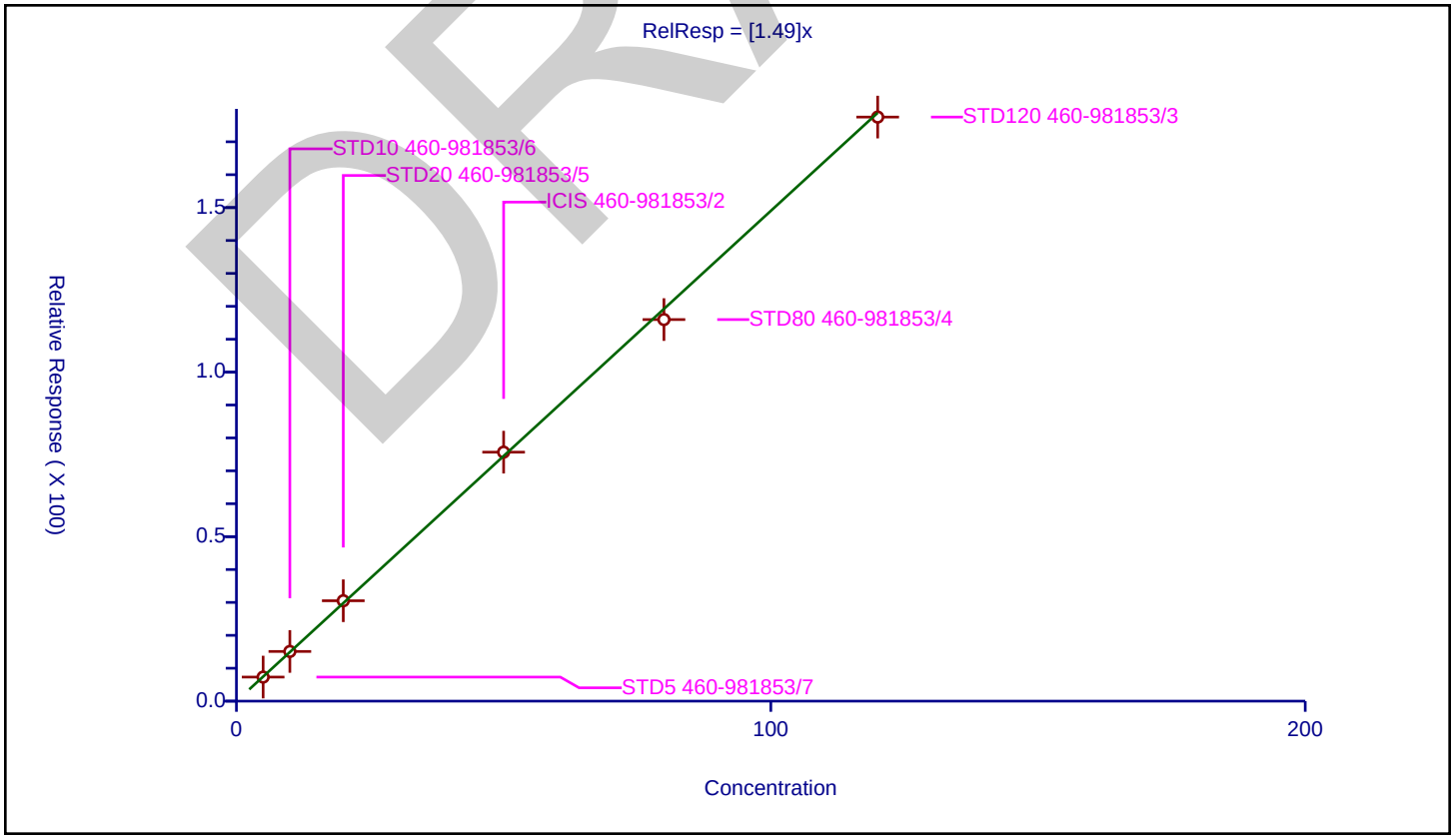
Curve Coefficients

Intercept:	0
Slope:	1.49

Error Coefficients

Relative Standard Deviation:	2.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	7.312341	40.0	217282.0	1.462468	Y
2	STD10 460-981853/6	10.0	15.100834	40.0	209056.0	1.510083	Y
3	STD20 460-981853/5	20.0	30.509514	40.0	206059.0	1.525476	Y
4	ICIS 460-981853/2	50.0	75.67379	40.0	185169.0	1.513476	Y
5	STD80 460-981853/4	80.0	115.969111	40.0	203439.0	1.449614	Y
6	STD120 460-981853/3	120.0	177.514183	40.0	191068.0	1.479285	Y



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Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

Curve Coefficients

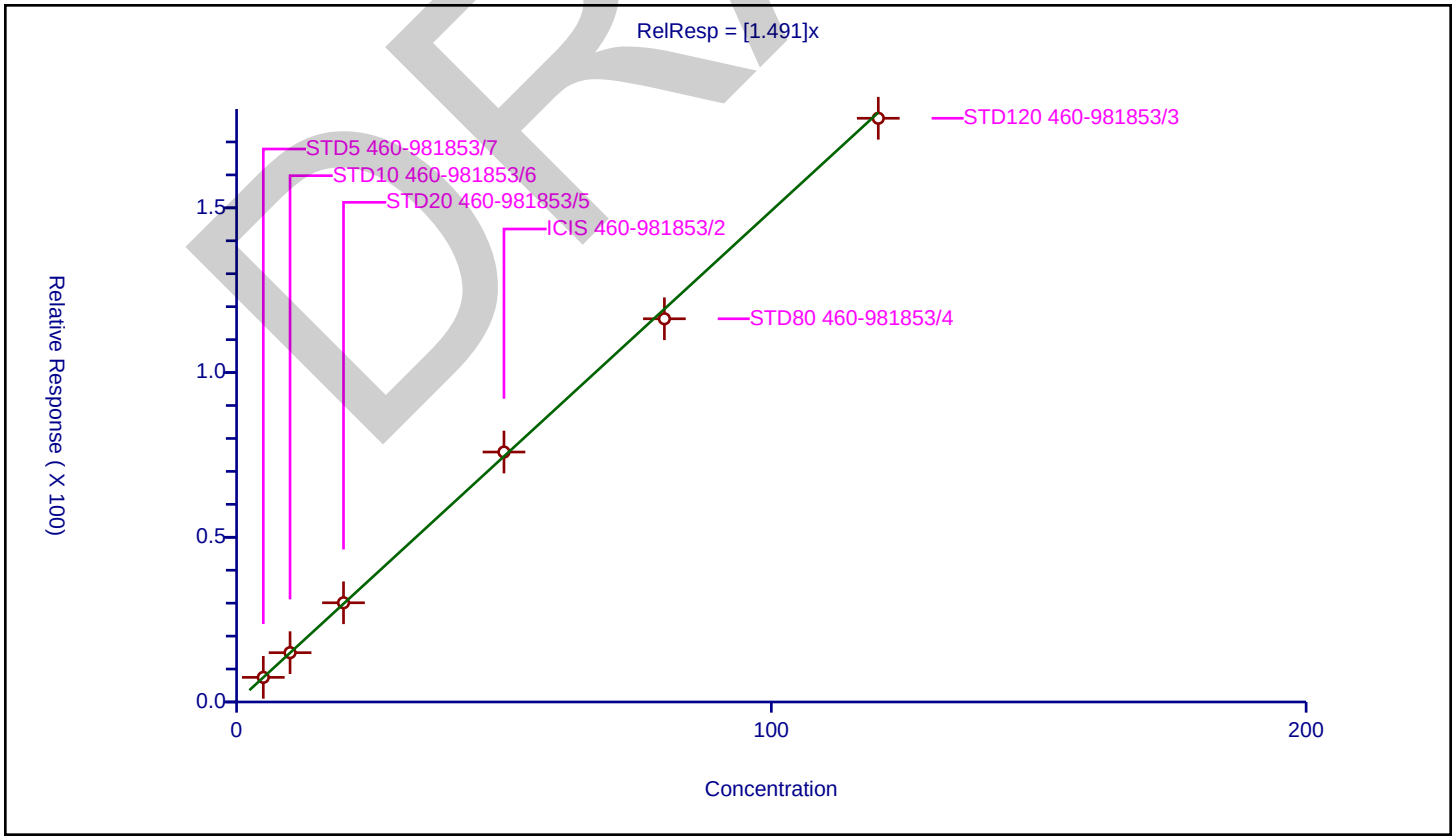
Intercept:	0
Slope:	1.491

Error Coefficients

Relative Standard Deviation:	1.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	7.475078	40.0	217282.0	1.495016	Y
2	STD10 460-981853/6	10.0	14.972065	40.0	209056.0	1.497206	Y
3	STD20 460-981853/5	20.0	30.119723	40.0	206059.0	1.505986	Y
4	ICIS 460-981853/2	50.0	75.874903	40.0	185169.0	1.517498	Y
5	STD80 460-981853/4	80.0	116.322436	40.0	203439.0	1.45403	Y
6	STD120 460-981853/3	120.0	177.191576	40.0	191068.0	1.476596	Y

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Calibration / Benzyl alcohol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

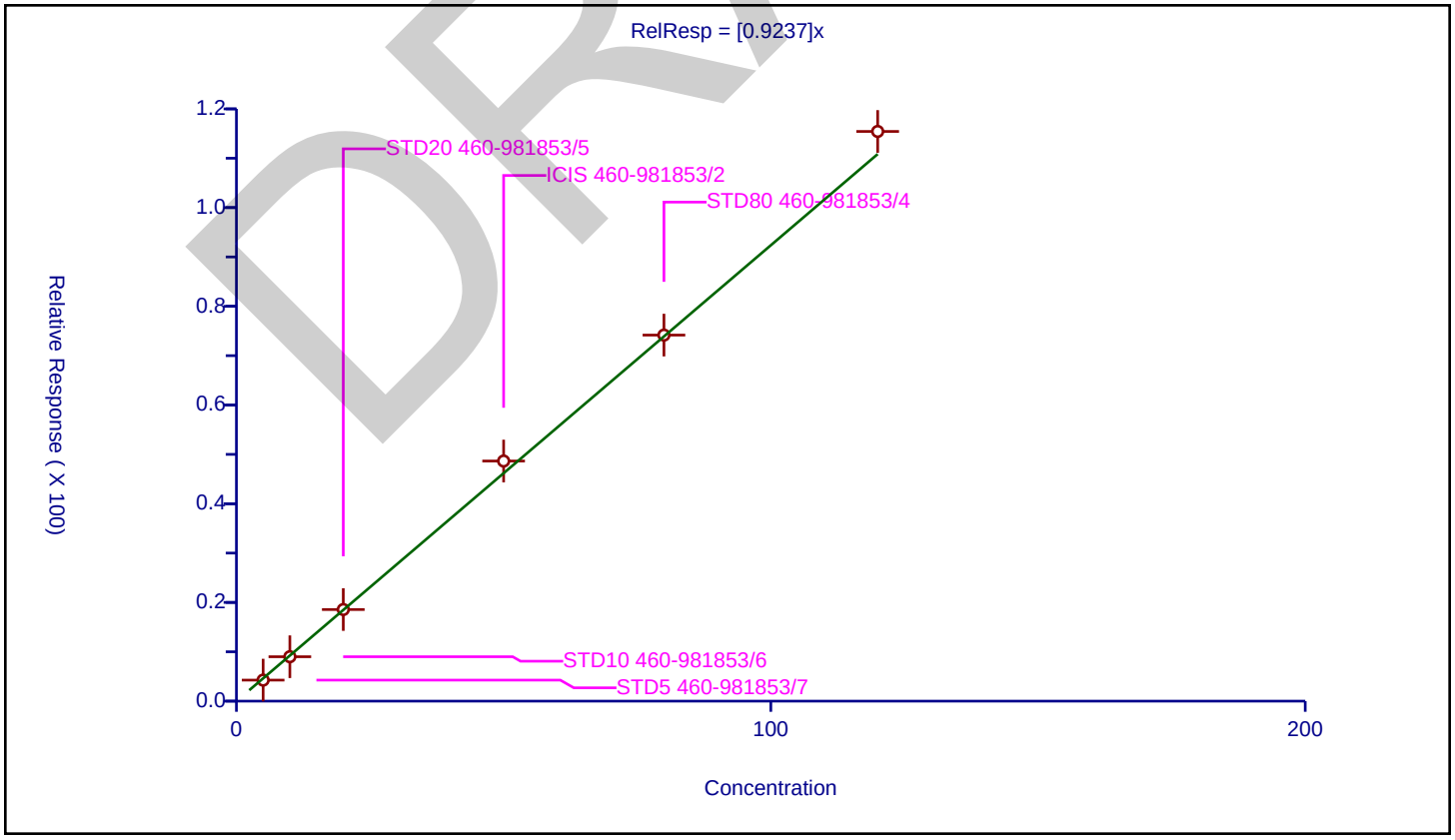
Curve Coefficients

Intercept:	0
Slope:	0.9237

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	4.260822	40.0	217282.0	0.852164	Y
2	STD10 460-981853/6	10.0	8.998737	40.0	209056.0	0.899874	Y
3	STD20 460-981853/5	20.0	18.558956	40.0	206059.0	0.927948	Y
4	ICIS 460-981853/2	50.0	48.651988	40.0	185169.0	0.97304	Y
5	STD80 460-981853/4	80.0	74.16572	40.0	203439.0	0.927072	Y
6	STD120 460-981853/3	120.0	115.430737	40.0	191068.0	0.961923	Y



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Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

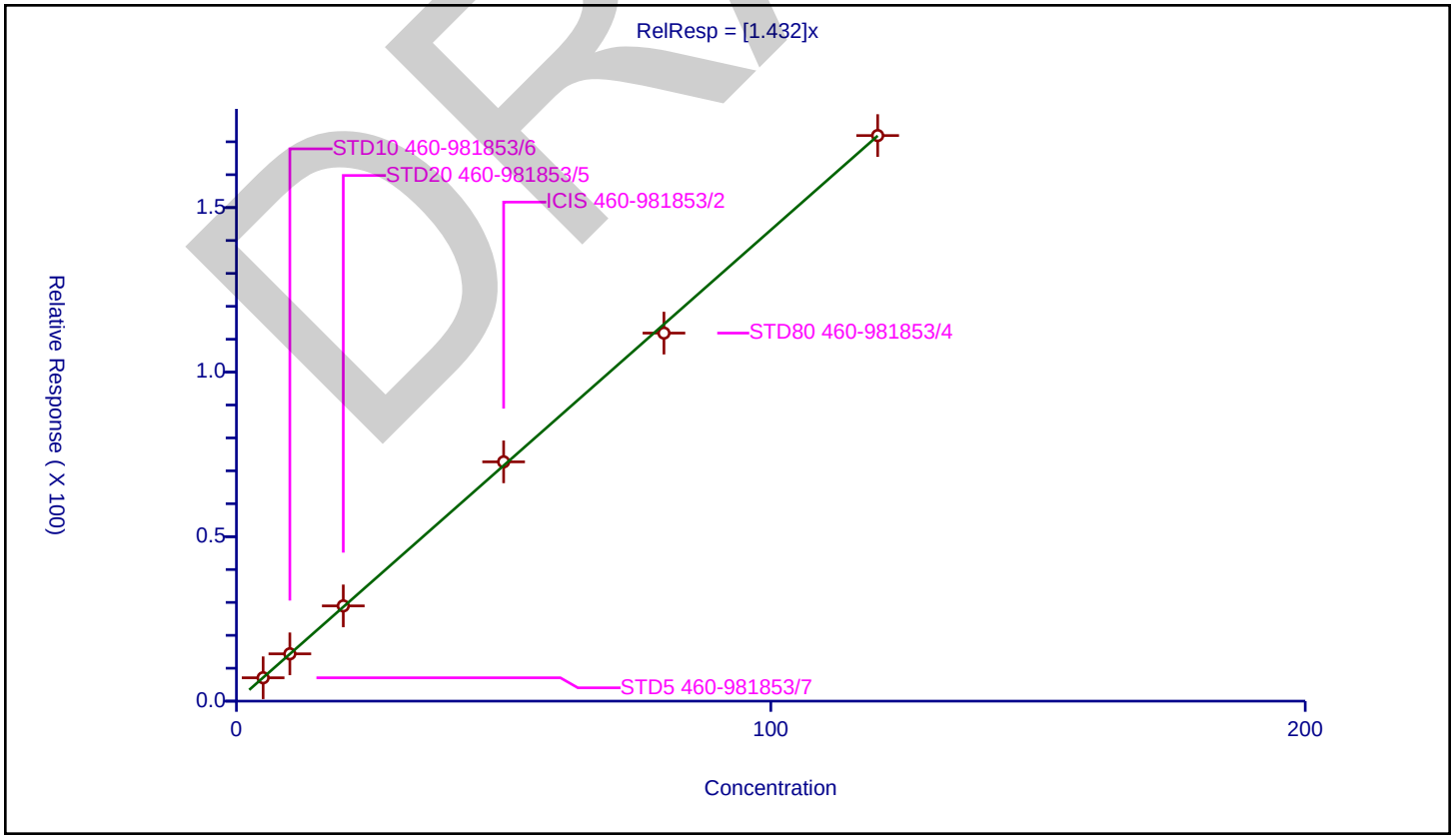
Curve Coefficients

Intercept:	0
Slope:	1.432

Error Coefficients

Relative Standard Deviation:	1.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	7.103948	40.0	217282.0	1.42079	Y
2	STD10 460-981853/6	10.0	14.377774	40.0	209056.0	1.437777	Y
3	STD20 460-981853/5	20.0	28.950932	40.0	206059.0	1.447547	Y
4	ICIS 460-981853/2	50.0	72.731397	40.0	185169.0	1.454628	Y
5	STD80 460-981853/4	80.0	111.856429	40.0	203439.0	1.398205	Y
6	STD120 460-981853/3	120.0	171.895032	40.0	191068.0	1.432459	Y



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Calibration / 2-Methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

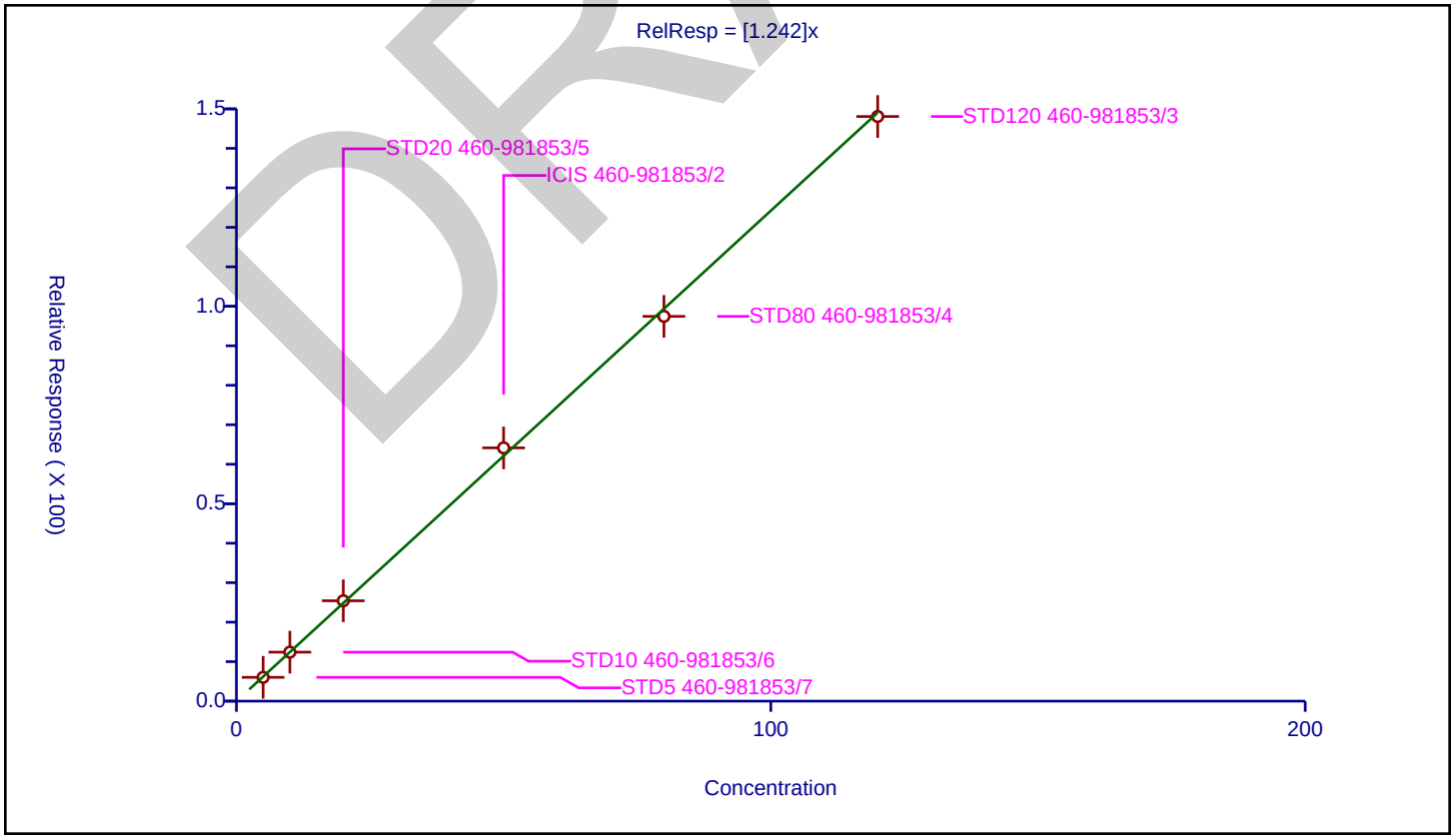
Curve Coefficients

Intercept:	0
Slope:	1.242

Error Coefficients

Relative Standard Deviation:	2.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	6.027743	40.0	217282.0	1.205549	Y
2	STD10 460-981853/6	10.0	12.408159	40.0	209056.0	1.240816	Y
3	STD20 460-981853/5	20.0	25.421845	40.0	206059.0	1.271092	Y
4	ICIS 460-981853/2	50.0	64.148967	40.0	185169.0	1.282979	Y
5	STD80 460-981853/4	80.0	97.448179	40.0	203439.0	1.218102	Y
6	STD120 460-981853/3	120.0	148.071891	40.0	191068.0	1.233932	Y



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Calibration / 2,2'-oxybis[1-chloropropane]

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

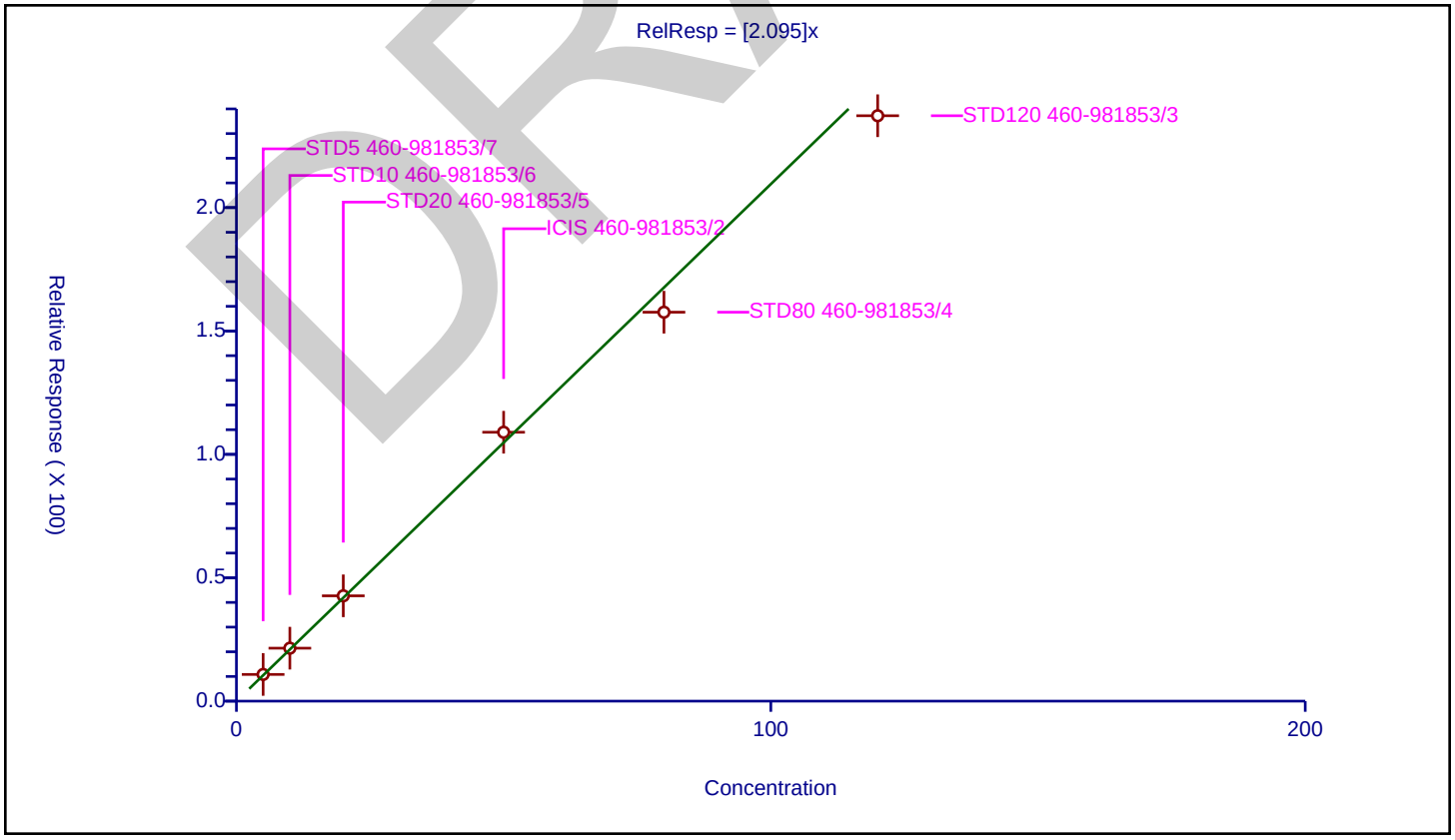
Curve Coefficients

Intercept:	0
Slope:	2.095

Error Coefficients

Relative Standard Deviation:	4.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	10.820409	40.0	217282.0	2.164082	Y
2	STD10 460-981853/6	10.0	21.457409	40.0	209056.0	2.145741	Y
3	STD20 460-981853/5	20.0	42.678262	40.0	206059.0	2.133913	Y
4	ICIS 460-981853/2	50.0	108.970292	40.0	185169.0	2.179406	Y
5	STD80 460-981853/4	80.0	157.614617	40.0	203439.0	1.970183	Y
6	STD120 460-981853/3	120.0	237.229049	40.0	191068.0	1.976909	Y



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Calibration / 3 & 4 Methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

Curve Coefficients

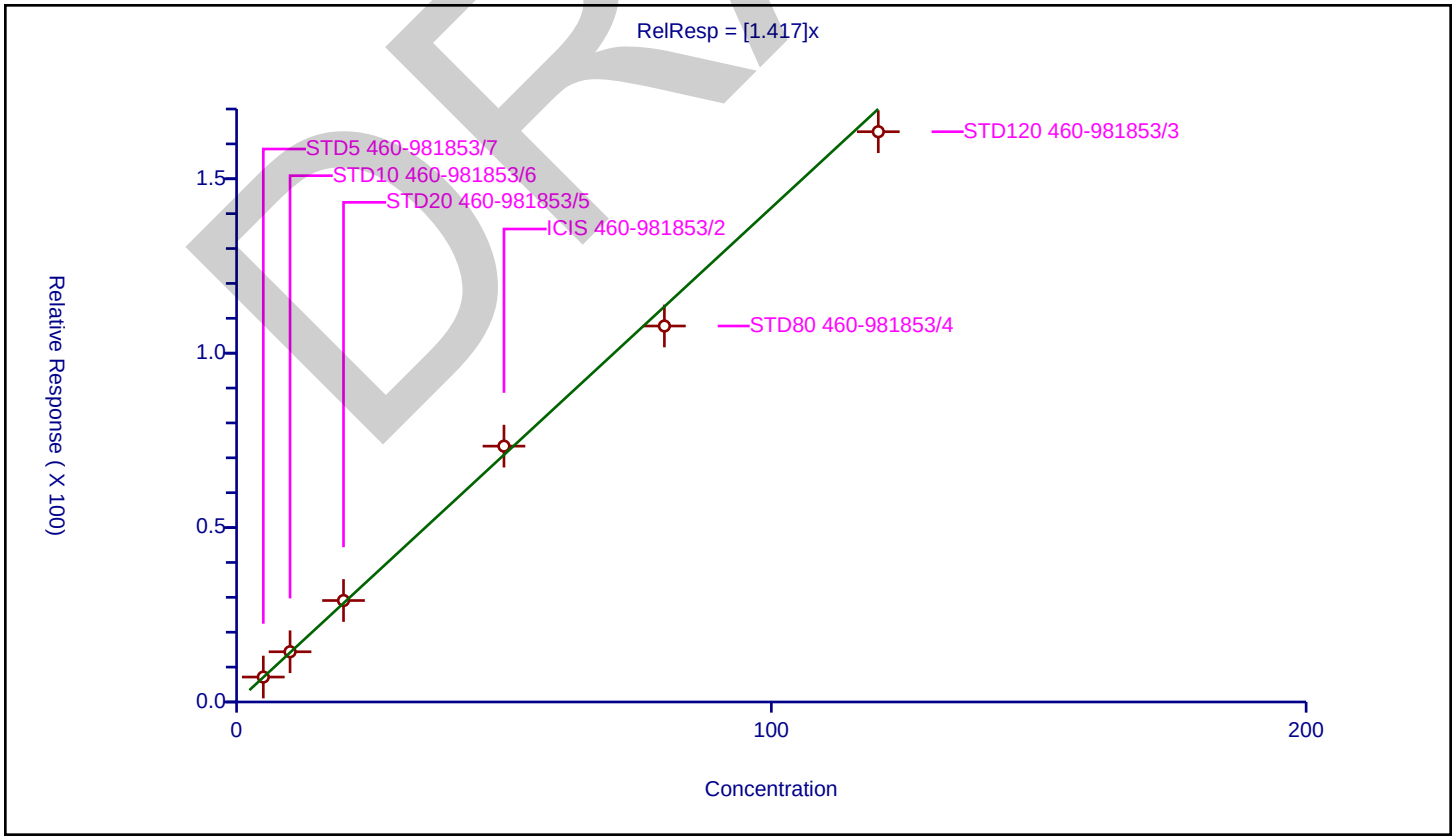
Intercept:	0
Slope:	1.417

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	7.151444	40.0	217282.0	1.430289	Y
2	STD10 460-981853/6	10.0	14.39863	40.0	209056.0	1.439863	Y
3	STD20 460-981853/5	20.0	29.091668	40.0	206059.0	1.454583	Y
4	ICIS 460-981853/2	50.0	73.349859	40.0	185169.0	1.466997	Y
5	STD80 460-981853/4	80.0	107.789362	40.0	203439.0	1.347367	Y
6	STD120 460-981853/3	120.0	163.492579	40.0	191068.0	1.362438	Y

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Calibration / 4-Methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

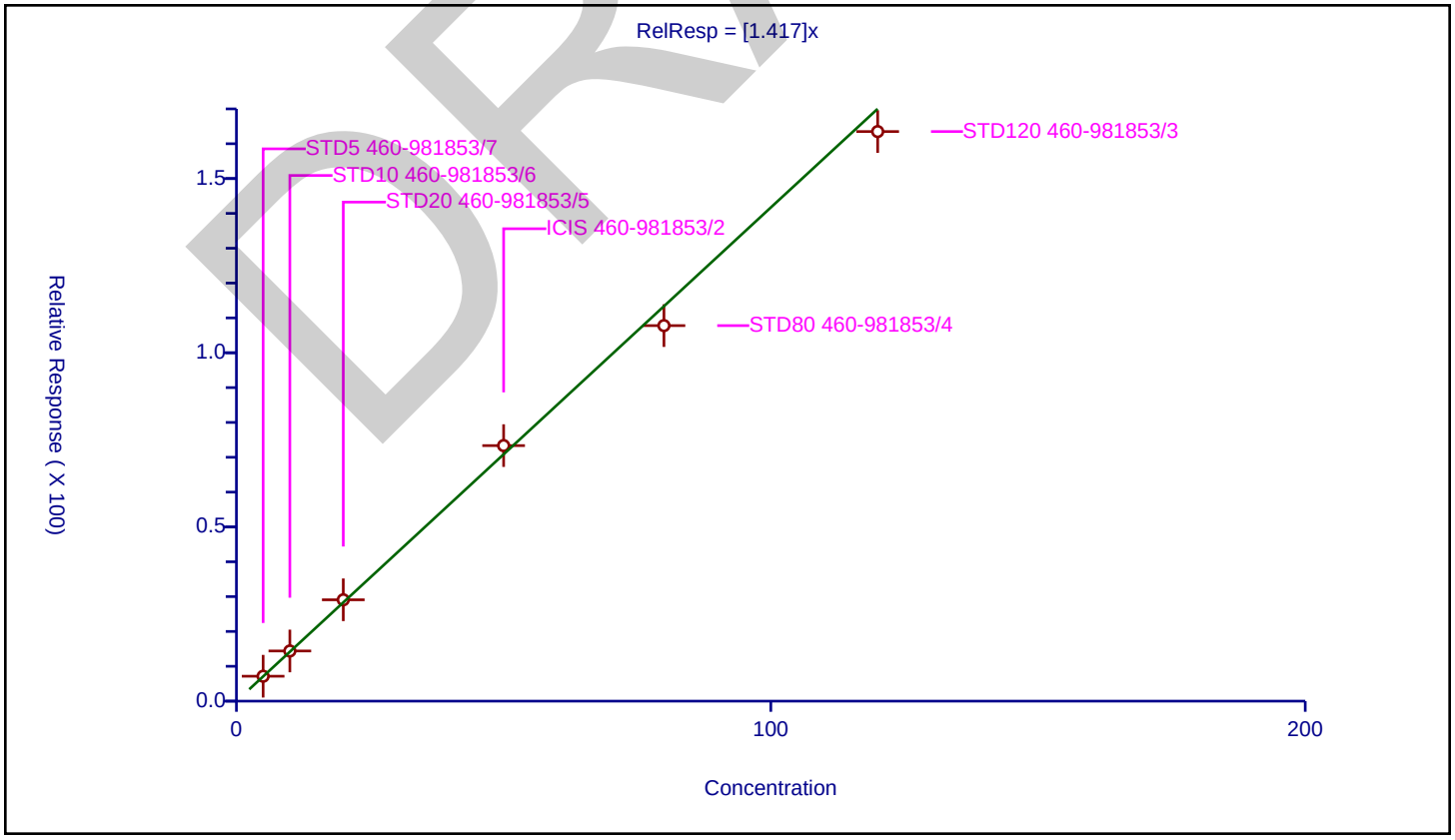
Curve Coefficients

Intercept:	0
Slope:	1.417

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	7.151444	40.0	217282.0	1.430289	Y
2	STD10 460-981853/6	10.0	14.39863	40.0	209056.0	1.439863	Y
3	STD20 460-981853/5	20.0	29.091668	40.0	206059.0	1.454583	Y
4	ICIS 460-981853/2	50.0	73.349859	40.0	185169.0	1.466997	Y
5	STD80 460-981853/4	80.0	107.789362	40.0	203439.0	1.347367	Y
6	STD120 460-981853/3	120.0	163.492579	40.0	191068.0	1.362438	Y



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Calibration / N-Methylaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

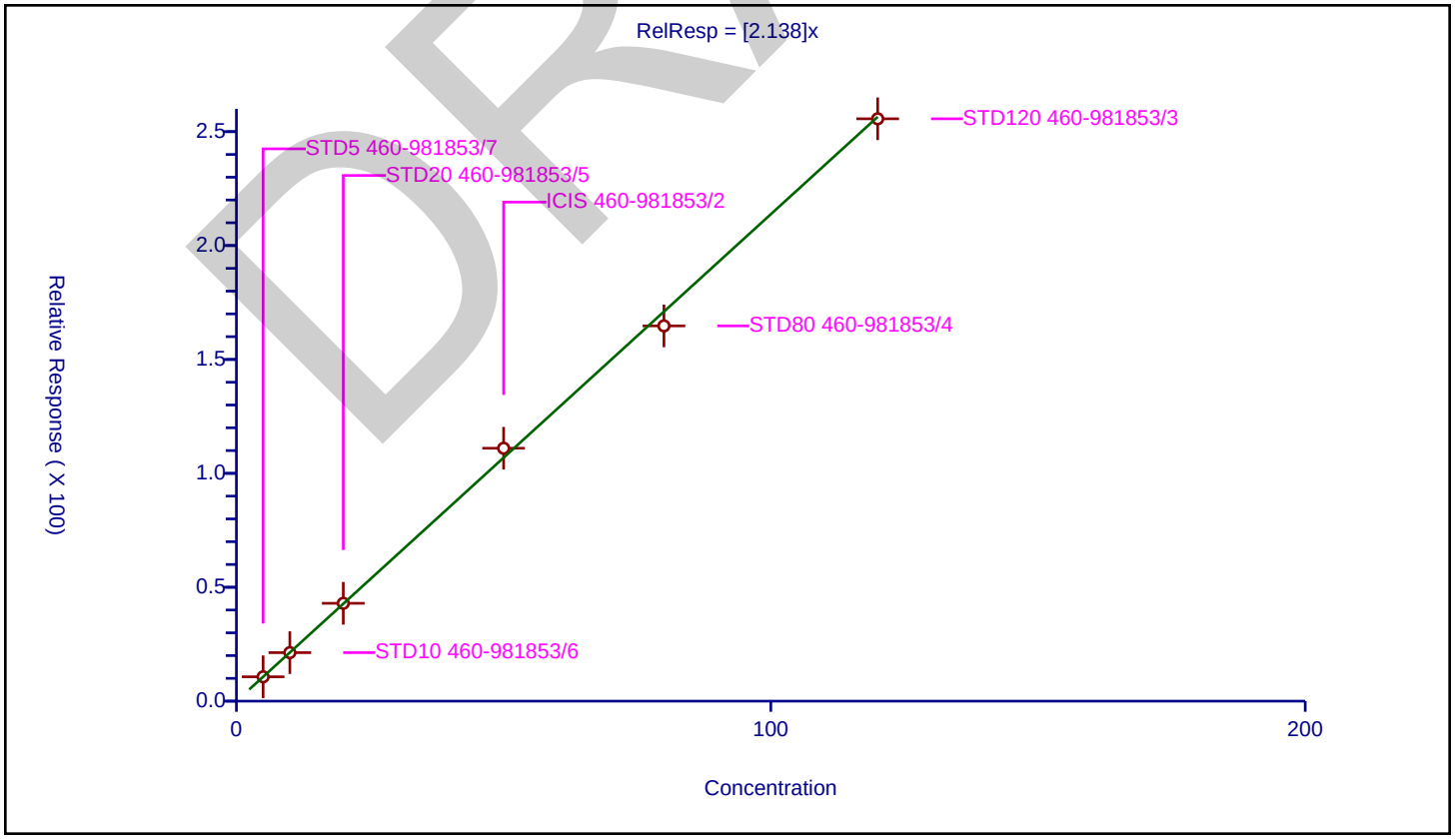
Curve Coefficients

Intercept:	0
Slope:	2.138

Error Coefficients

Relative Standard Deviation:	2.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	10.689887	40.0	217282.0	2.137977	Y
2	STD10 460-981853/6	10.0	21.29439	40.0	209056.0	2.129439	Y
3	STD20 460-981853/5	20.0	42.949641	40.0	206059.0	2.147482	Y
4	ICIS 460-981853/2	50.0	111.022687	40.0	185169.0	2.220454	Y
5	STD80 460-981853/4	80.0	164.739308	40.0	203439.0	2.059241	Y
6	STD120 460-981853/3	120.0	255.65495	40.0	191068.0	2.130458	Y



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Calibration / N-Nitrosodi-n-propylamine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

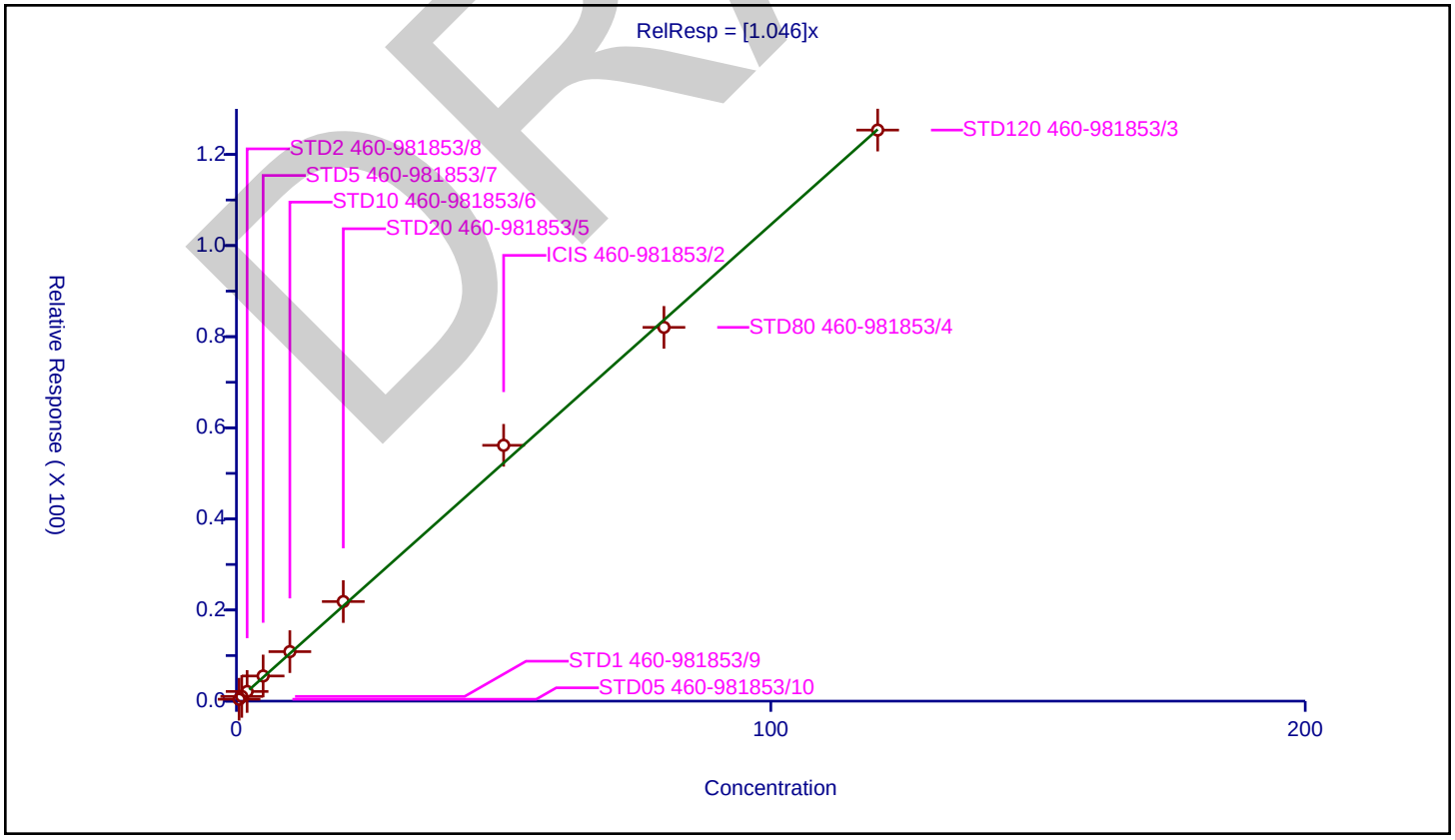
Curve Coefficients

Intercept:	0
Slope:	1.046

Error Coefficients

Relative Standard Deviation:	8.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD05 460-981853/10	0.5	0.416392	40.0	209706.0	0.832785	Y
2	STD1 460-981853/9	1.0	1.039965	40.0	200853.0	1.039965	Y
3	STD2 460-981853/8	2.0	2.123901	40.0	206714.0	1.06195	Y
4	STD5 460-981853/7	5.0	5.521488	40.0	217282.0	1.104298	Y
5	STD10 460-981853/6	10.0	10.865414	40.0	209056.0	1.086541	Y
6	STD20 460-981853/5	20.0	21.864417	40.0	206059.0	1.093221	Y
7	ICIS 460-981853/2	50.0	56.153244	40.0	185169.0	1.123065	Y
8	STD80 460-981853/4	80.0	82.042283	40.0	203439.0	1.025529	Y
9	STD120 460-981853/3	120.0	125.354743	40.0	191068.0	1.044623	Y



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Calibration / Acetophenone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

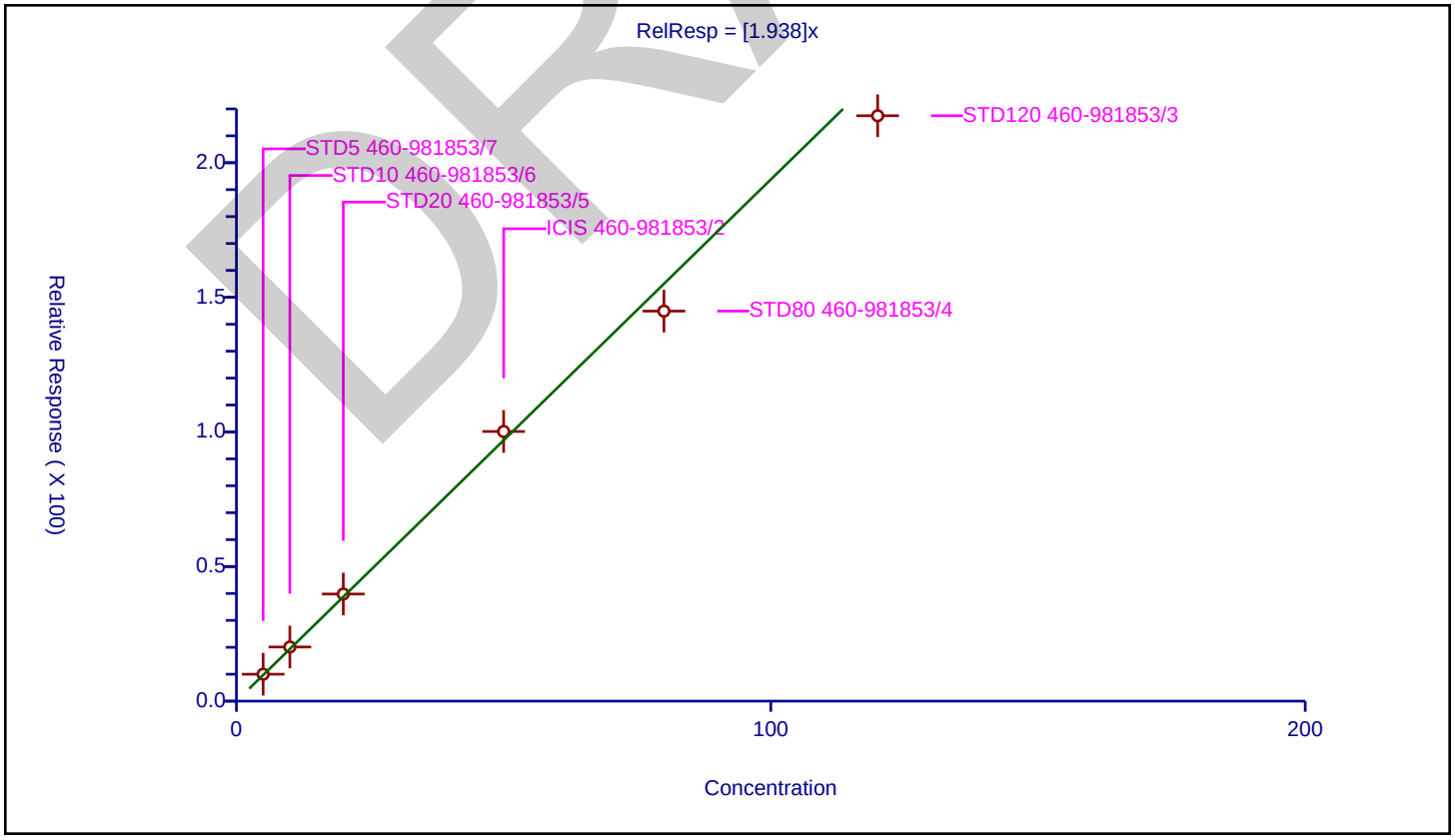
Curve Coefficients

Intercept:	0
Slope:	1.938

Error Coefficients

Relative Standard Deviation:	5.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	10.000092	40.0	217282.0	2.000018	Y
2	STD10 460-981853/6	10.0	20.107914	40.0	209056.0	2.010791	Y
3	STD20 460-981853/5	20.0	39.786275	40.0	206059.0	1.989314	Y
4	ICIS 460-981853/2	50.0	100.165362	40.0	185169.0	2.003307	Y
5	STD80 460-981853/4	80.0	144.884511	40.0	203439.0	1.811056	Y
6	STD120 460-981853/3	120.0	217.455566	40.0	191068.0	1.81213	Y



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Calibration / Hexachloroethane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

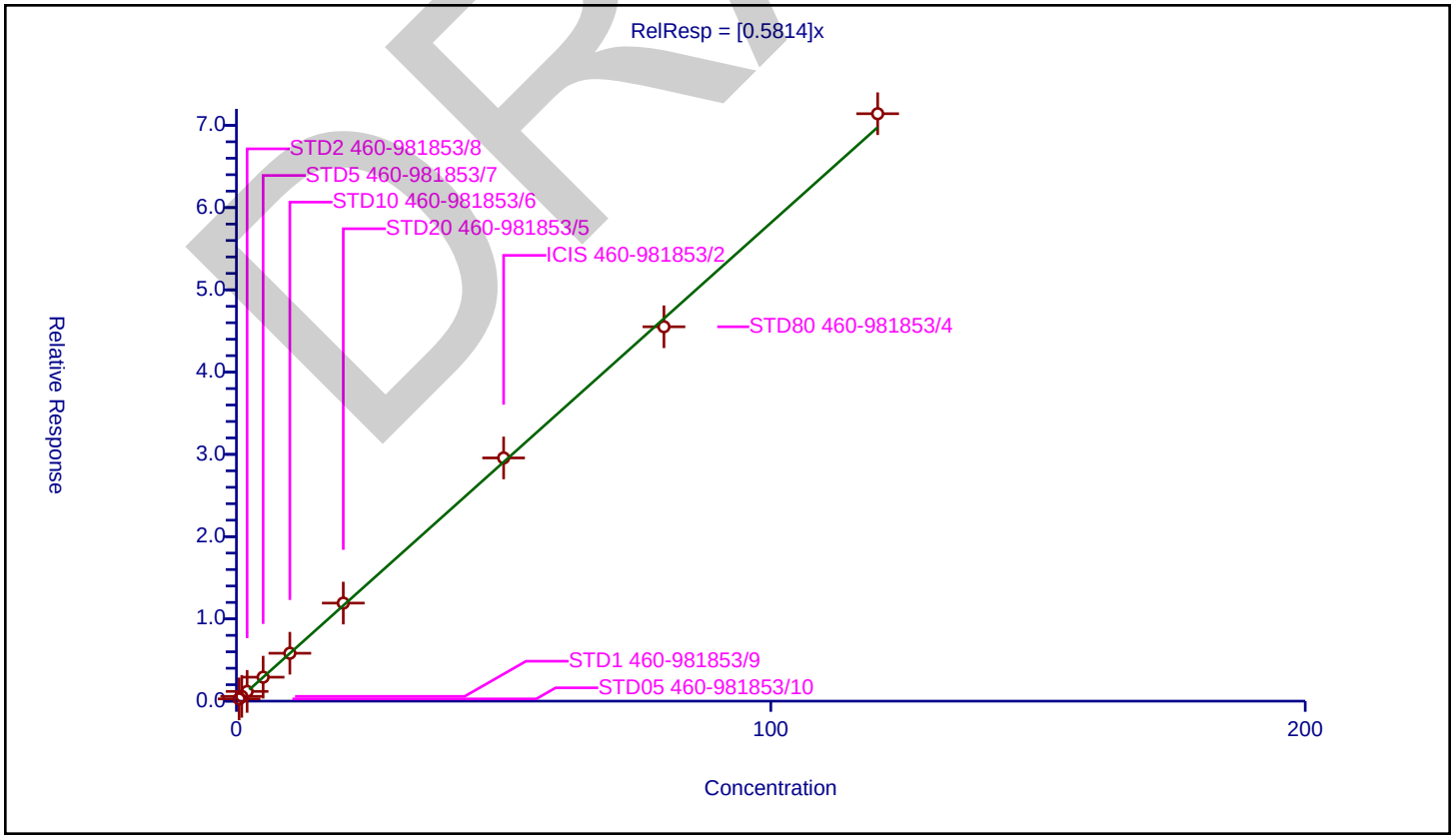
Curve Coefficients

Intercept:	0
Slope:	0.5814

Error Coefficients

Relative Standard Deviation:	2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD05 460-981853/10	0.5	0.272191	40.0	209706.0	0.544381	Y
2	STD1 460-981853/9	1.0	0.580325	40.0	200853.0	0.580325	Y
3	STD2 460-981853/8	2.0	1.183084	40.0	206714.0	0.591542	Y
4	STD5 460-981853/7	5.0	2.913081	40.0	217282.0	0.582616	Y
5	STD10 460-981853/6	10.0	5.823894	40.0	209056.0	0.582389	Y
6	STD20 460-981853/5	20.0	11.920663	40.0	206059.0	0.596033	Y
7	ICIS 460-981853/2	50.0	29.567368	40.0	185169.0	0.591347	Y
8	STD80 460-981853/4	80.0	45.513594	40.0	203439.0	0.56892	Y
9	STD120 460-981853/3	120.0	71.412481	40.0	191068.0	0.595104	Y



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Calibration / Nitrobenzene-d5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

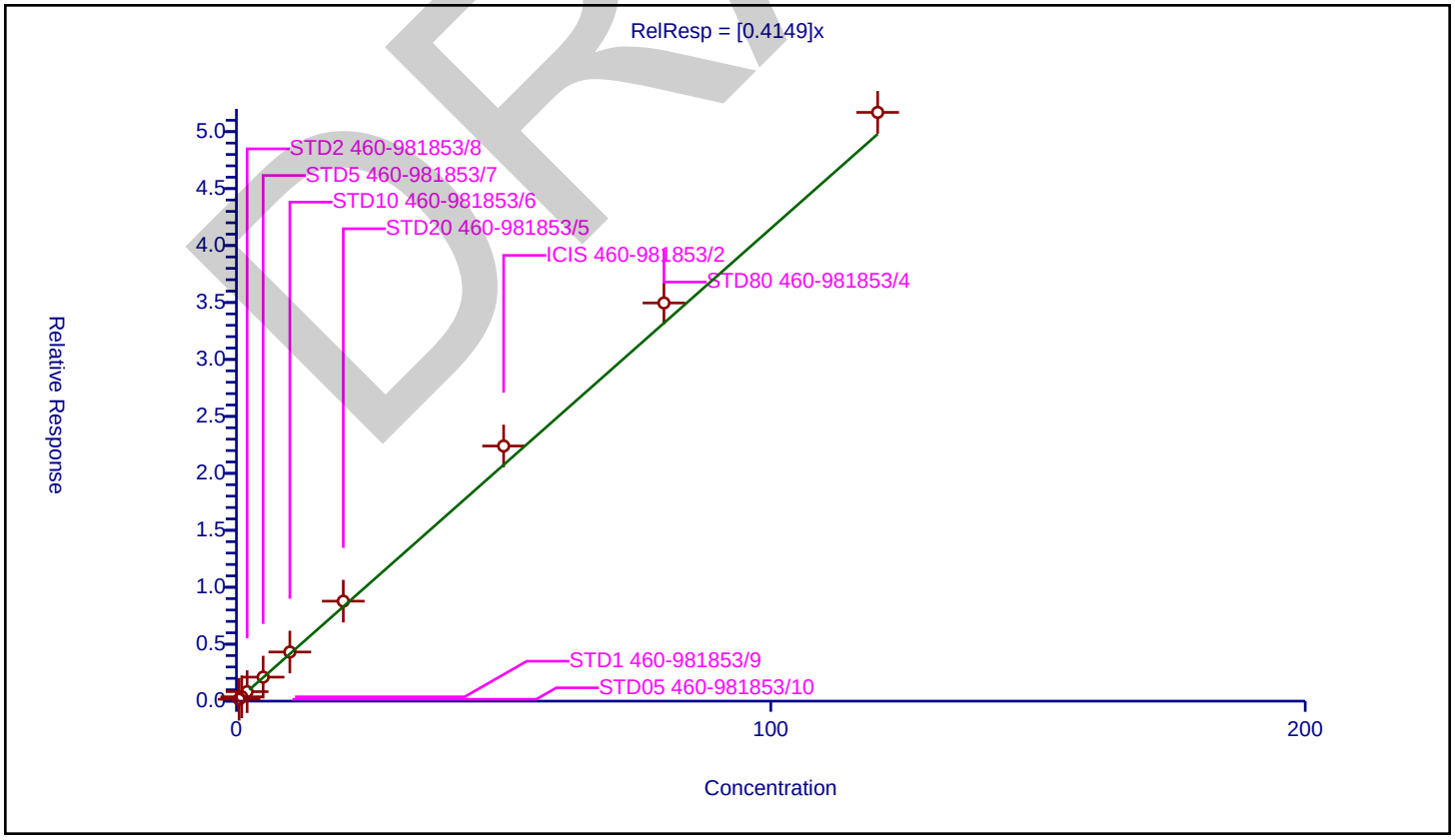
Curve Coefficients

Intercept:	0
Slope:	0.4149

Error Coefficients

Relative Standard Deviation:	9.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD05 460-981853/10	0.5	0.163981	40.0	792288.0	0.327962	Y
2	STD1 460-981853/9	1.0	0.3817	40.0	763427.0	0.3817	Y
3	STD2 460-981853/8	2.0	0.833775	40.0	781122.0	0.416888	Y
4	STD5 460-981853/7	5.0	2.109093	40.0	817982.0	0.421819	Y
5	STD10 460-981853/6	10.0	4.313703	40.0	782650.0	0.43137	Y
6	STD20 460-981853/5	20.0	8.777143	40.0	765388.0	0.438857	Y
7	ICIS 460-981853/2	50.0	22.402216	40.0	712492.0	0.448044	Y
8	STD80 460-981853/4	80.0	34.961741	40.0	778904.0	0.437022	Y
9	STD120 460-981853/3	120.0	51.693394	40.0	736190.0	0.430778	Y



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Calibration / n,n'-Dimethylaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

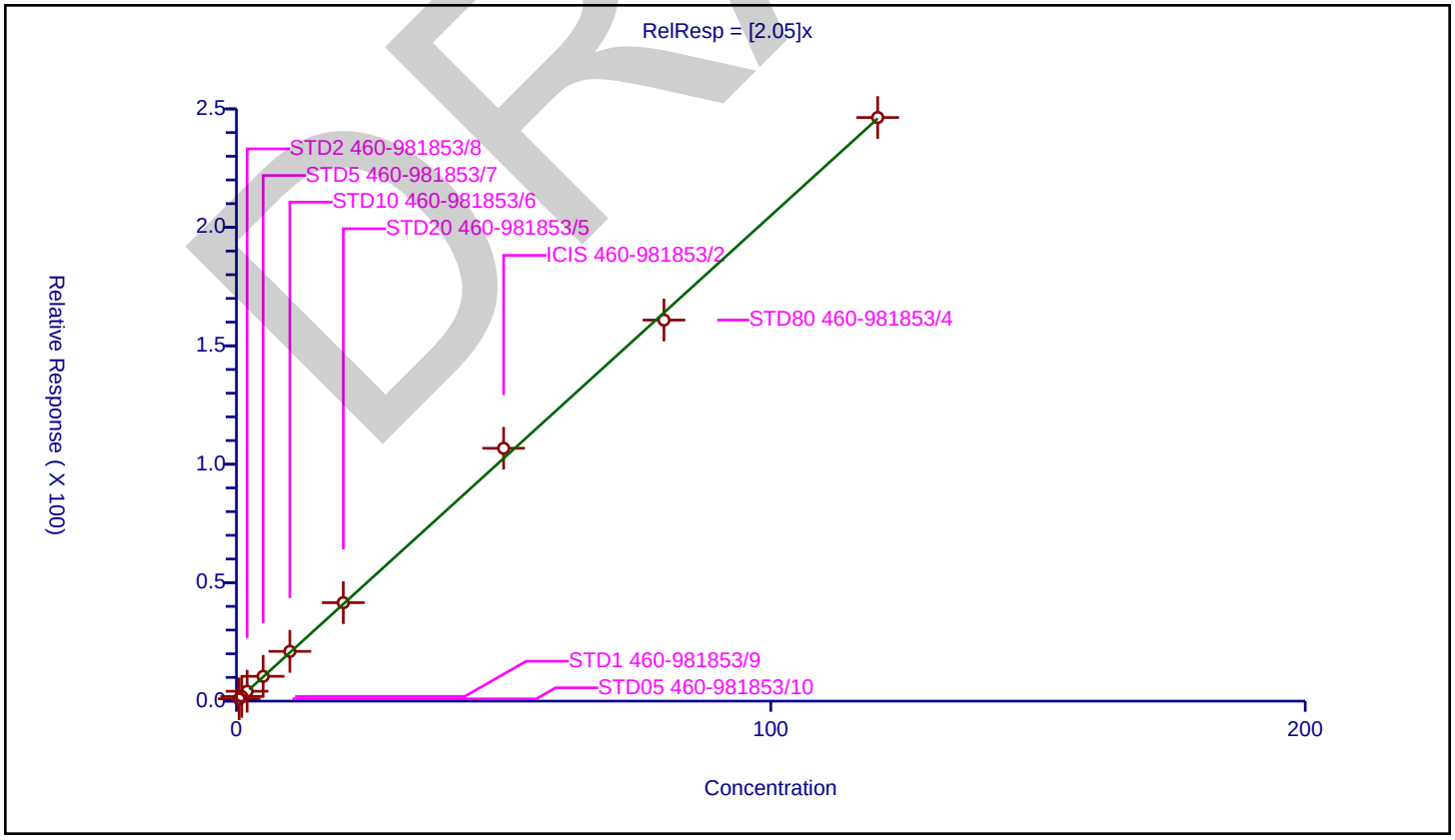
Curve Coefficients

Intercept:	0
Slope:	2.05

Error Coefficients

Relative Standard Deviation:	3.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD05 460-981853/10	0.5	0.95715	40.0	209706.0	1.914299	Y
2	STD1 460-981853/9	1.0	1.970197	40.0	200853.0	1.970197	Y
3	STD2 460-981853/8	2.0	4.171754	40.0	206714.0	2.085877	Y
4	STD5 460-981853/7	5.0	10.48849	40.0	217282.0	2.097698	Y
5	STD10 460-981853/6	10.0	21.005472	40.0	209056.0	2.100547	Y
6	STD20 460-981853/5	20.0	41.569842	40.0	206059.0	2.078492	Y
7	ICIS 460-981853/2	50.0	106.739249	40.0	185169.0	2.134785	Y
8	STD80 460-981853/4	80.0	160.856473	40.0	203439.0	2.010706	Y
9	STD120 460-981853/3	120.0	246.355224	40.0	191068.0	2.05296	Y



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Calibration / Nitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

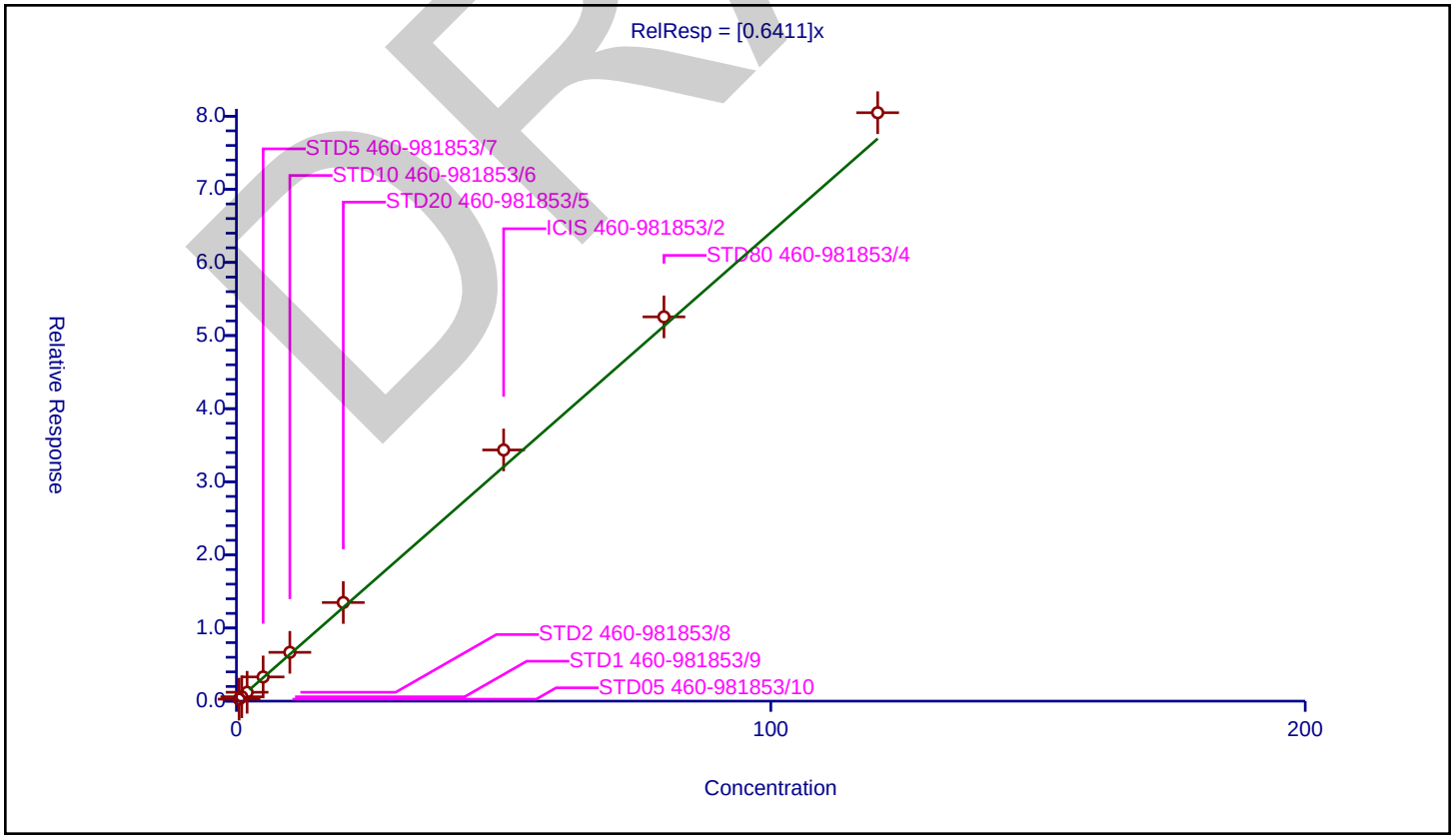
Curve Coefficients

Intercept:	0
Slope:	0.6411

Error Coefficients

Relative Standard Deviation:	7.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD05 460-981853/10	0.5	0.272191	40.0	209706.0	0.544381	Y
2	STD1 460-981853/9	1.0	0.598647	40.0	200853.0	0.598647	Y
3	STD2 460-981853/8	2.0	1.21656	40.0	206714.0	0.60828	Y
4	STD5 460-981853/7	5.0	3.308143	40.0	217282.0	0.661629	Y
5	STD10 460-981853/6	10.0	6.676106	40.0	209056.0	0.667611	Y
6	STD20 460-981853/5	20.0	13.491864	40.0	206059.0	0.674593	Y
7	ICIS 460-981853/2	50.0	34.352186	40.0	185169.0	0.687044	Y
8	STD80 460-981853/4	80.0	52.557867	40.0	203439.0	0.656973	Y
9	STD120 460-981853/3	120.0	80.47962	40.0	191068.0	0.670663	Y



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Calibration / Isophorone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

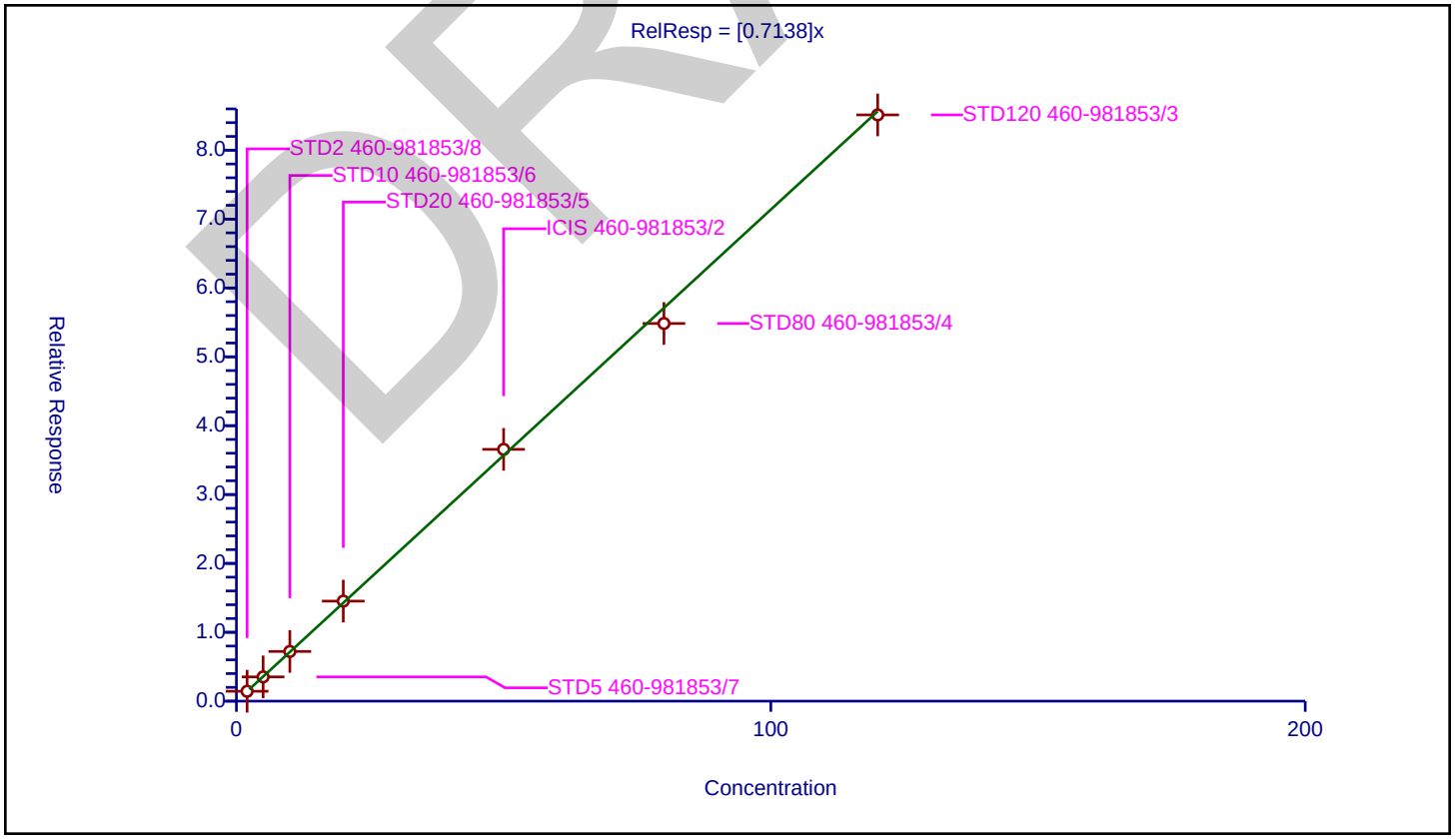
Curve Coefficients

Intercept:	0
Slope:	0.7138

Error Coefficients

Relative Standard Deviation:	2.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 460-981853/8	2.0	1.435781	40.0	781122.0	0.71789	Y
2	STD5 460-981853/7	5.0	3.522767	40.0	817982.0	0.704553	Y
3	STD10 460-981853/6	10.0	7.216304	40.0	782650.0	0.72163	Y
4	STD20 460-981853/5	20.0	14.523719	40.0	765388.0	0.726186	Y
5	ICIS 460-981853/2	50.0	36.5626	40.0	712492.0	0.731252	Y
6	STD80 460-981853/4	80.0	54.838696	40.0	778904.0	0.685484	Y
7	STD120 460-981853/3	120.0	85.126177	40.0	736190.0	0.709385	Y



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Calibration / 2-Nitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

Curve Coefficients

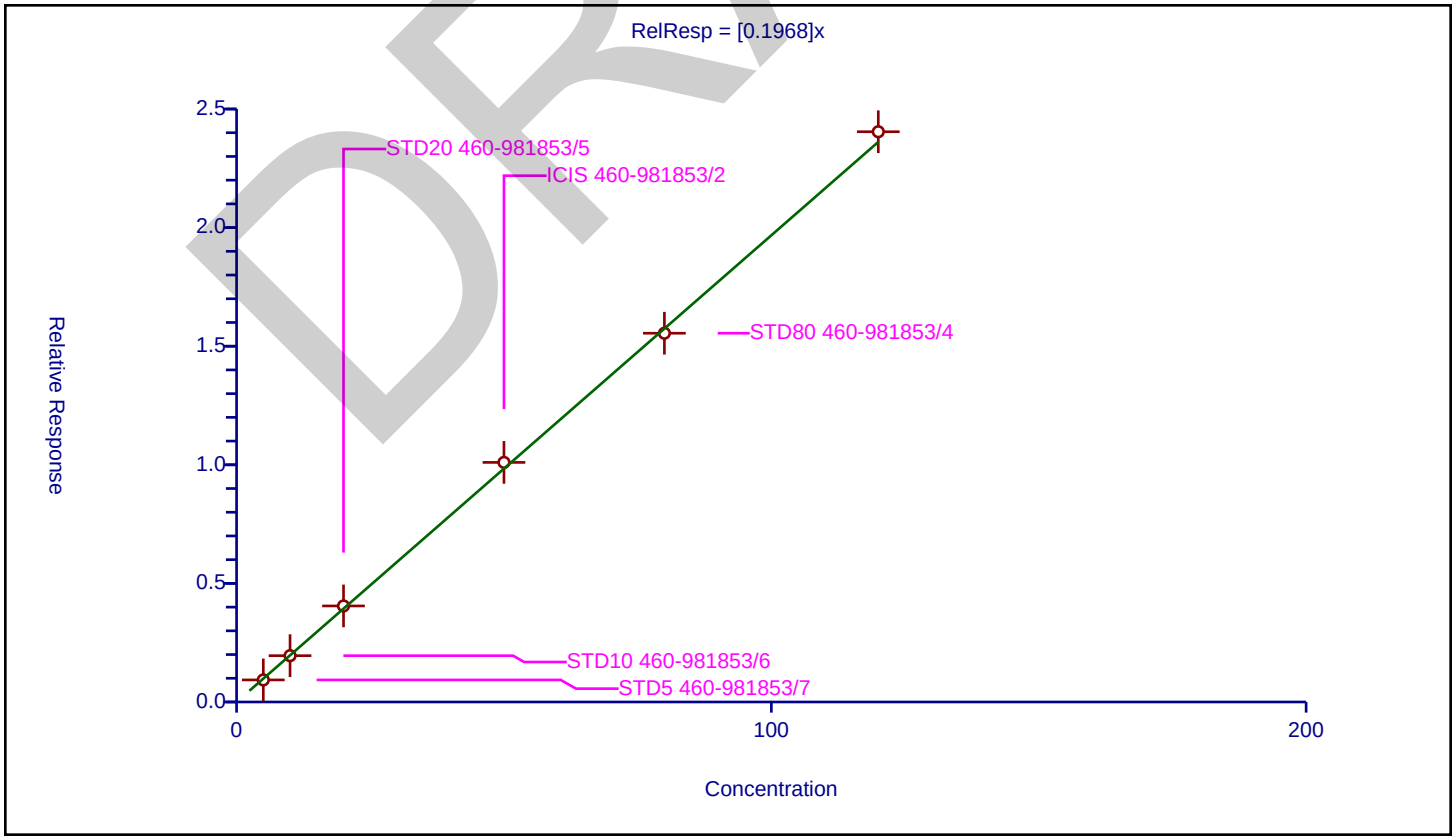
Intercept:	0
Slope:	0.1968

Error Coefficients

Relative Standard Deviation:	3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	0.930681	40.0	817982.0	0.186136	Y
2	STD10 460-981853/6	10.0	1.952495	40.0	782650.0	0.195249	Y
3	STD20 460-981853/5	20.0	4.048718	40.0	765388.0	0.202436	Y
4	ICIS 460-981853/2	50.0	10.101615	40.0	712492.0	0.202032	Y
5	STD80 460-981853/4	80.0	15.547539	40.0	778904.0	0.194344	Y
6	STD120 460-981853/3	120.0	24.042543	40.0	736190.0	0.200355	Y

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Calibration / 2,4-Dimethylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

Curve Coefficients

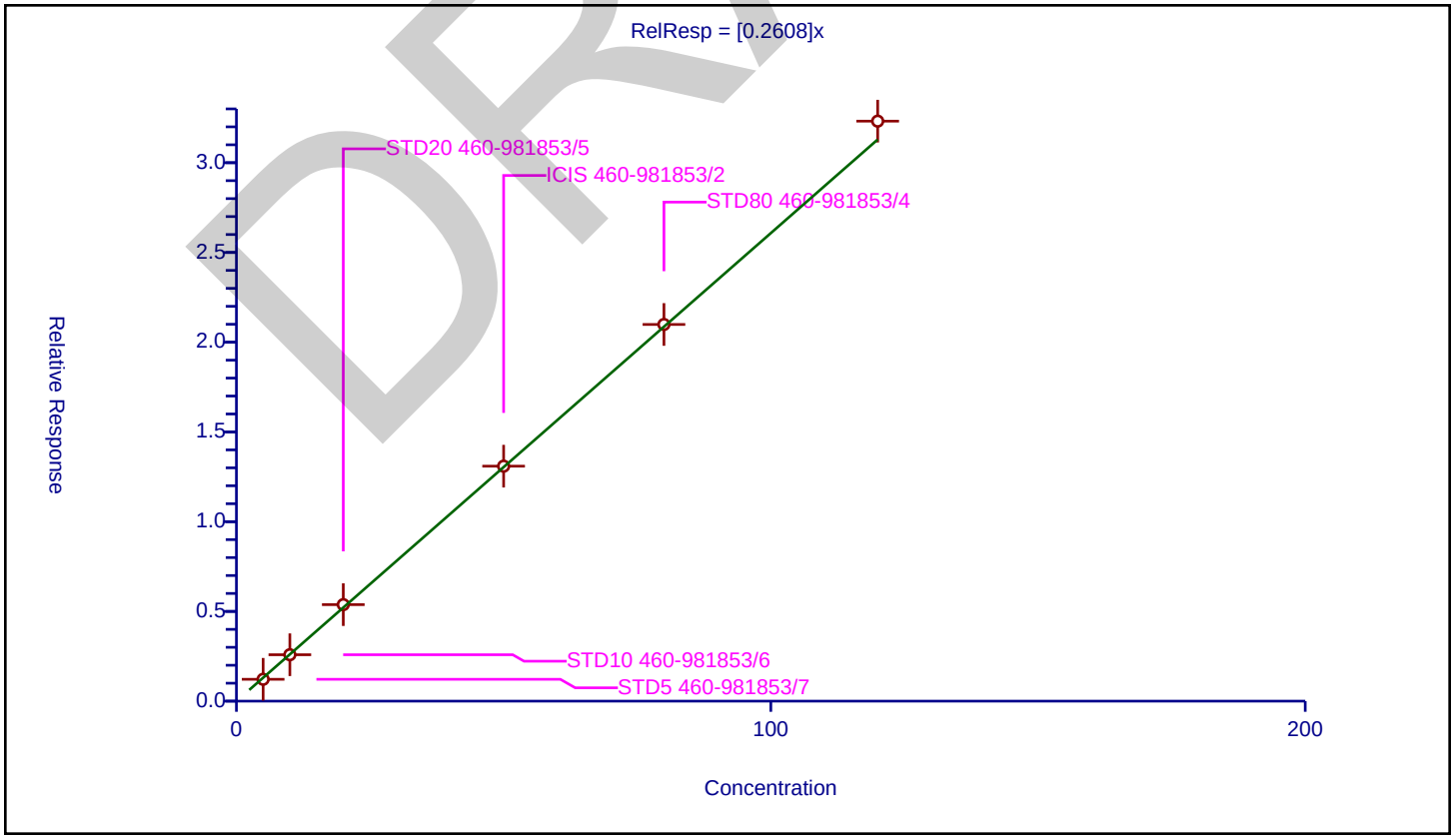
Intercept:	0
Slope:	0.2608

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	1.21812	40.0	817982.0	0.243624	Y
2	STD10 460-981853/6	10.0	2.586239	40.0	782650.0	0.258624	Y
3	STD20 460-981853/5	20.0	5.377769	40.0	765388.0	0.268888	Y
4	ICIS 460-981853/2	50.0	13.093144	40.0	712492.0	0.261863	Y
5	STD80 460-981853/4	80.0	20.988158	40.0	778904.0	0.262352	Y
6	STD120 460-981853/3	120.0	32.316875	40.0	736190.0	0.269307	Y

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Calibration / Benzoic acid

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

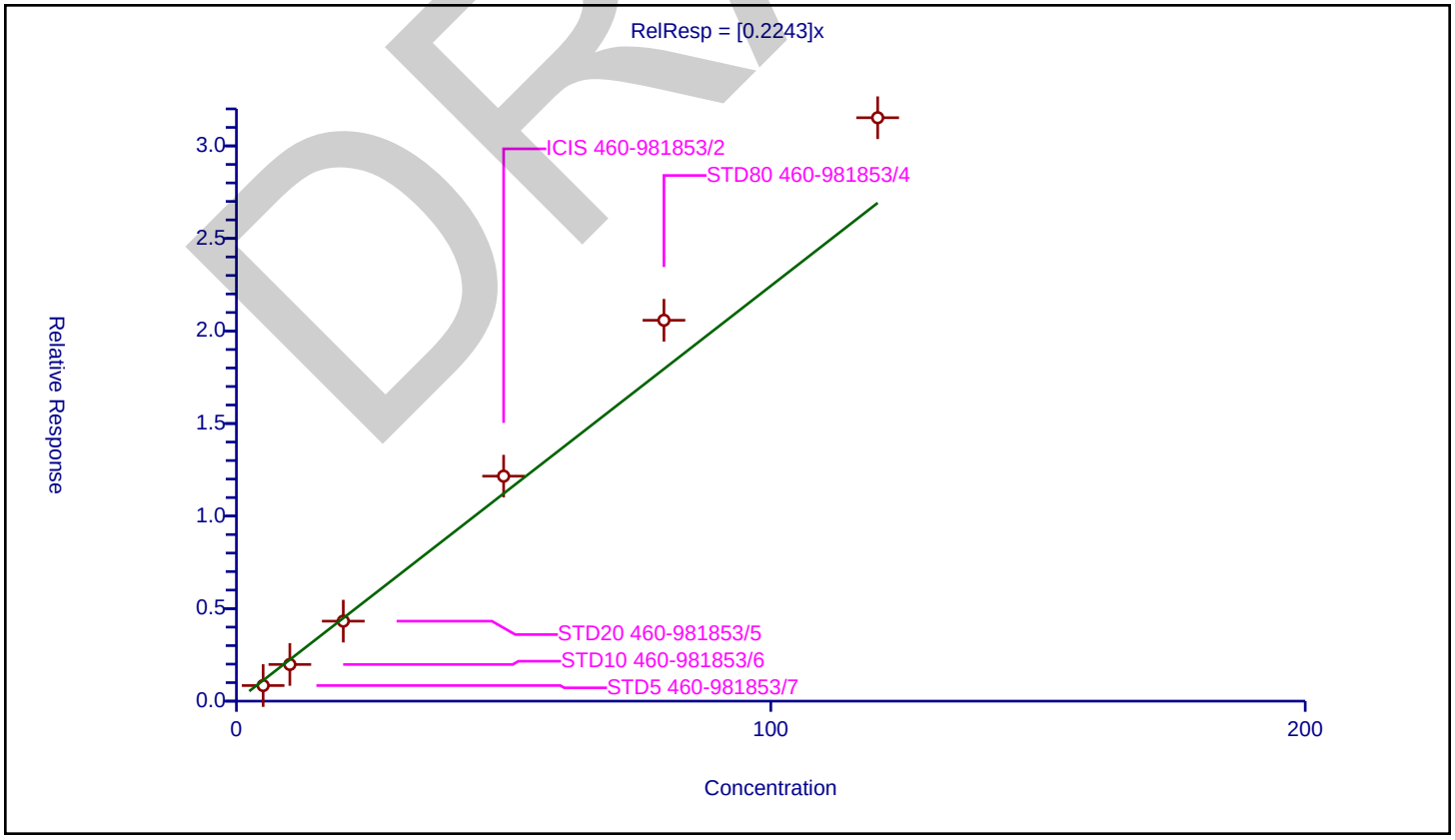
Curve Coefficients

Intercept:	0
Slope:	0.2243

Error Coefficients

Relative Standard Deviation:	16.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	0.842904	40.0	817982.0	0.168581	Y
2	STD10 460-981853/6	10.0	1.982904	40.0	782650.0	0.19829	Y
3	STD20 460-981853/5	20.0	4.32267	40.0	765388.0	0.216134	Y
4	ICIS 460-981853/2	50.0	12.156768	40.0	712492.0	0.243135	Y
5	STD80 460-981853/4	80.0	20.578967	40.0	778904.0	0.257237	Y
6	STD120 460-981853/3	120.0	31.522569	40.0	736190.0	0.262688	Y



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Calibration / Bis(2-chloroethoxy)methane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

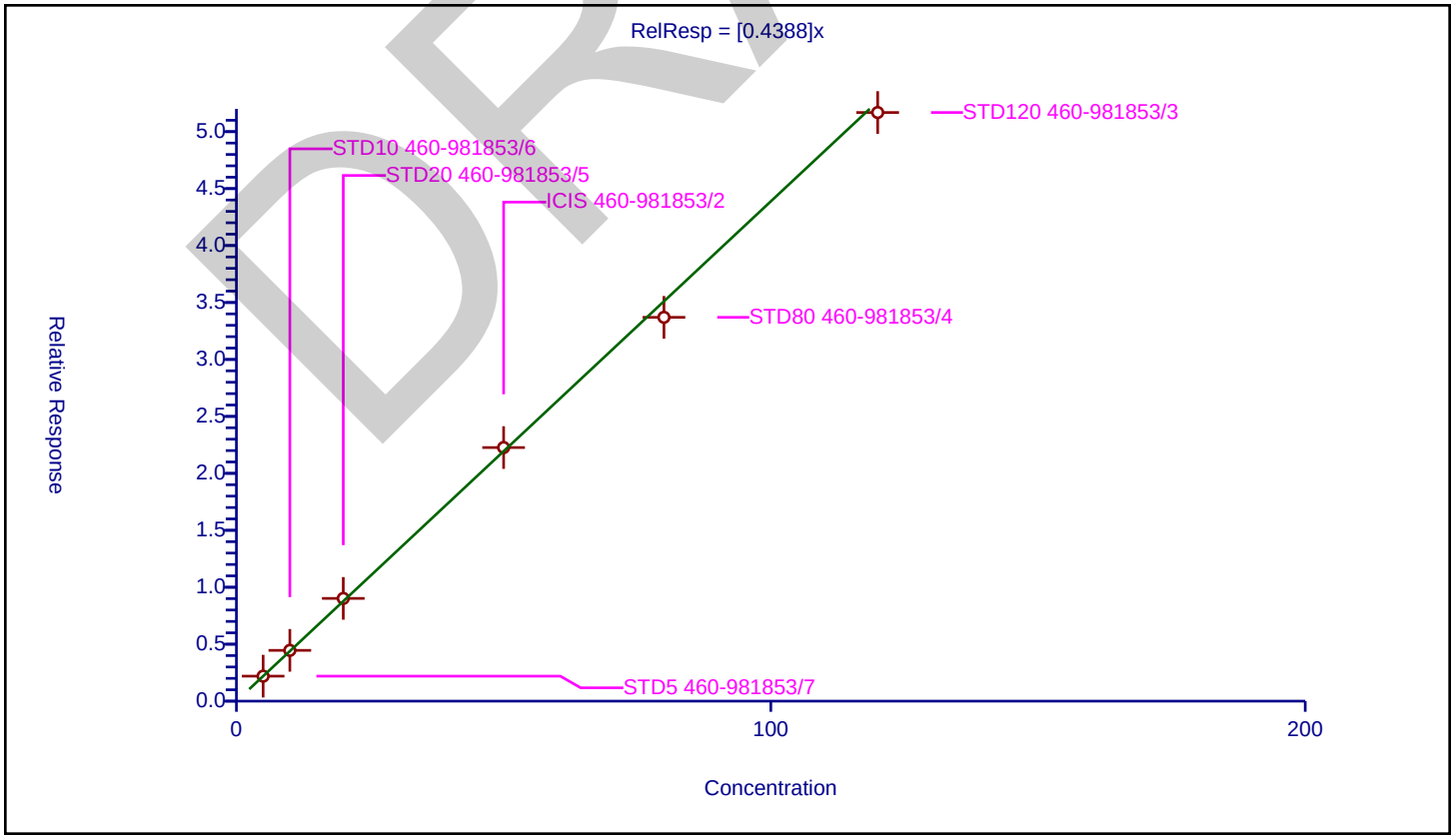
Curve Coefficients

Intercept:	0
Slope:	0.4388

Error Coefficients

Relative Standard Deviation:	2.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	2.193642	40.0	817982.0	0.438728	Y
2	STD10 460-981853/6	10.0	4.457778	40.0	782650.0	0.445778	Y
3	STD20 460-981853/5	20.0	9.020784	40.0	765388.0	0.451039	Y
4	ICIS 460-981853/2	50.0	22.267085	40.0	712492.0	0.445342	Y
5	STD80 460-981853/4	80.0	33.699968	40.0	778904.0	0.42125	Y
6	STD120 460-981853/3	120.0	51.680952	40.0	736190.0	0.430675	Y



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Calibration / 2,4-Dichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

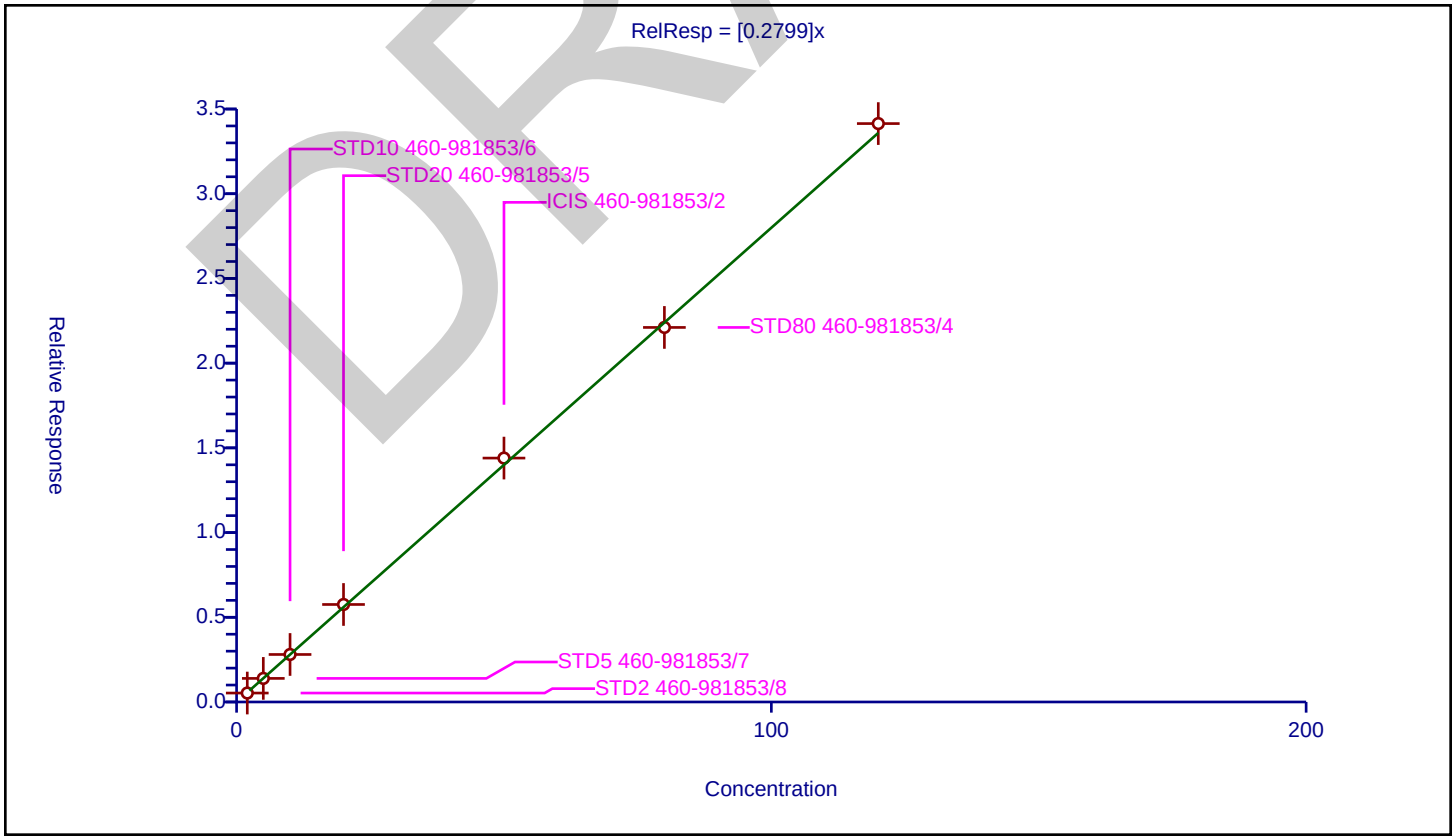
Curve Coefficients

Intercept:	0
Slope:	0.2799

Error Coefficients

Relative Standard Deviation:	3.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 460-981853/8	2.0	0.528317	40.0	781122.0	0.264158	Y
2	STD5 460-981853/7	5.0	1.39162	40.0	817982.0	0.278324	Y
3	STD10 460-981853/6	10.0	2.803501	40.0	782650.0	0.28035	Y
4	STD20 460-981853/5	20.0	5.755355	40.0	765388.0	0.287768	Y
5	ICIS 460-981853/2	50.0	14.396849	40.0	712492.0	0.287937	Y
6	STD80 460-981853/4	80.0	22.107782	40.0	778904.0	0.276347	Y
7	STD120 460-981853/3	120.0	34.140589	40.0	736190.0	0.284505	Y



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Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

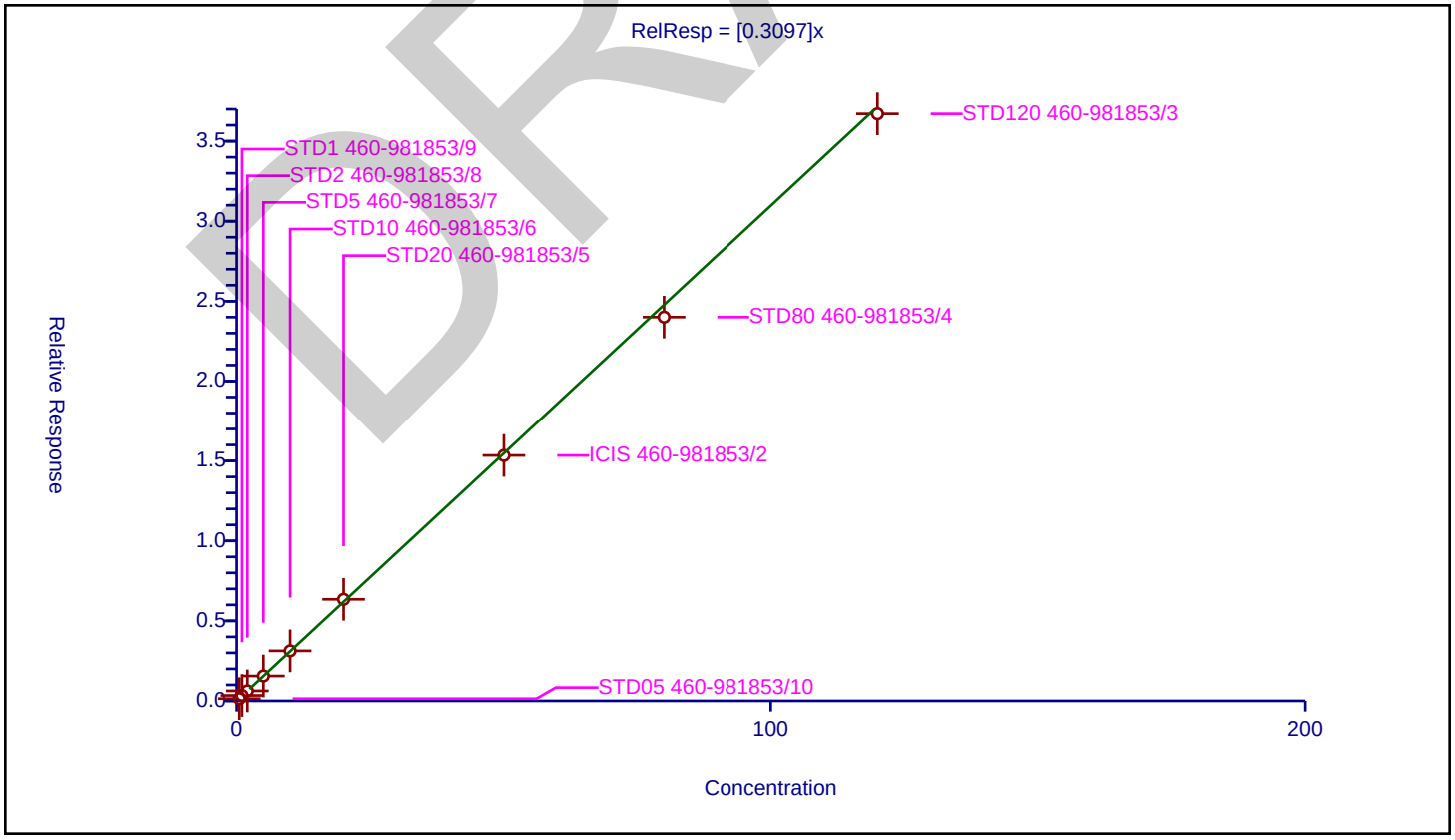
Curve Coefficients

Intercept:	0
Slope:	0.3097

Error Coefficients

Relative Standard Deviation:	4.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD05 460-981853/10	0.5	0.141413	40.0	792288.0	0.282826	Y
2	STD1 460-981853/9	1.0	0.338107	40.0	763427.0	0.338107	Y
3	STD2 460-981853/8	2.0	0.624538	40.0	781122.0	0.312269	Y
4	STD5 460-981853/7	5.0	1.554655	40.0	817982.0	0.310931	Y
5	STD10 460-981853/6	10.0	3.126302	40.0	782650.0	0.31263	Y
6	STD20 460-981853/5	20.0	6.347421	40.0	765388.0	0.317371	Y
7	ICIS 460-981853/2	50.0	15.345407	40.0	712492.0	0.306908	Y
8	STD80 460-981853/4	80.0	24.003061	40.0	778904.0	0.300038	Y
9	STD120 460-981853/3	120.0	36.711229	40.0	736190.0	0.305927	Y



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Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

Curve Coefficients

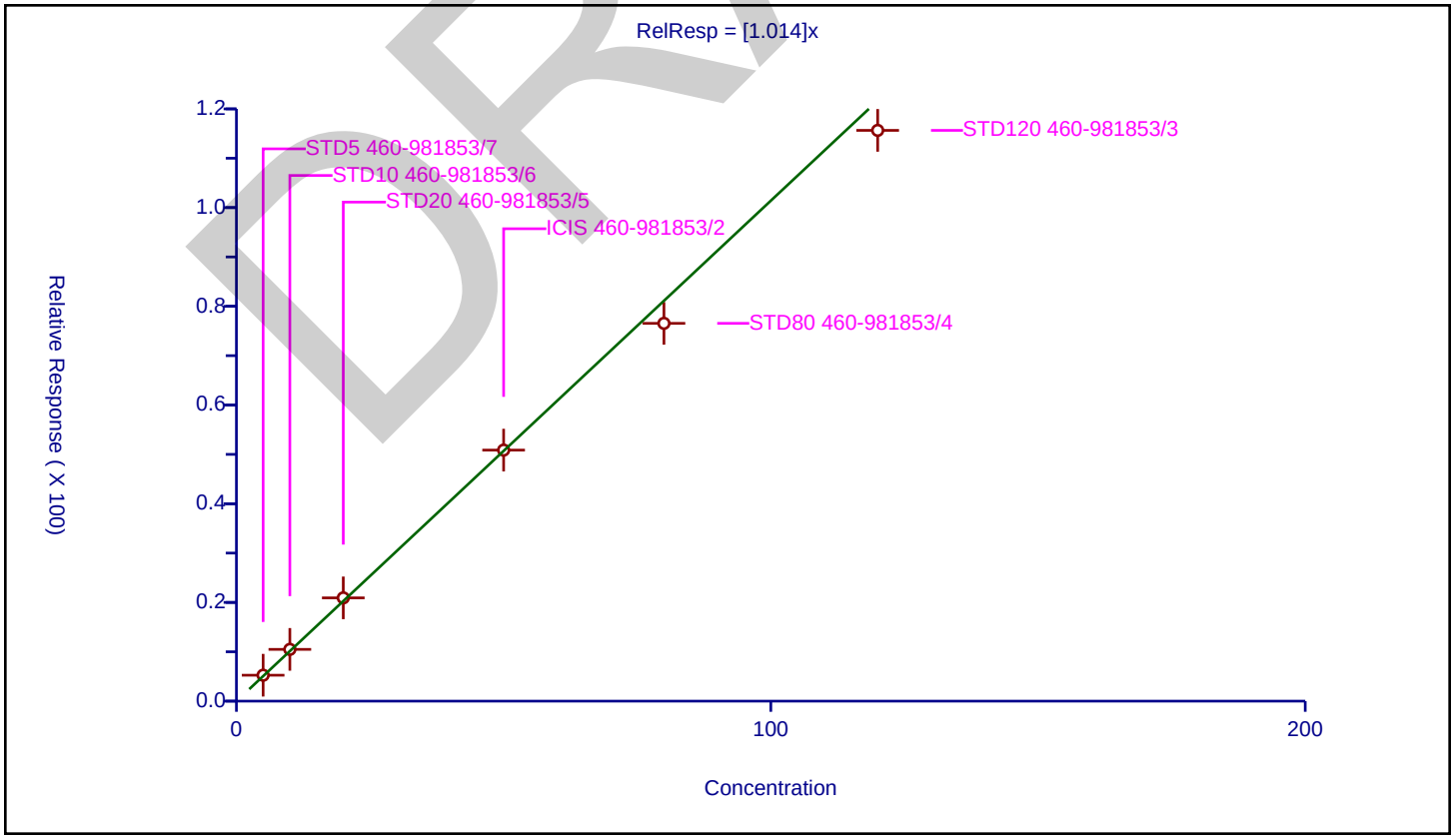
Intercept:	0
Slope:	1.014

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	5.254345	40.0	817982.0	1.050869	Y
2	STD10 460-981853/6	10.0	10.48576	40.0	782650.0	1.048576	Y
3	STD20 460-981853/5	20.0	20.926902	40.0	765388.0	1.046345	Y
4	ICIS 460-981853/2	50.0	50.866704	40.0	712492.0	1.017334	Y
5	STD80 460-981853/4	80.0	76.545864	40.0	778904.0	0.956823	Y
6	STD120 460-981853/3	120.0	115.643462	40.0	736190.0	0.963696	Y

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Calibration / 2,6-Dichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

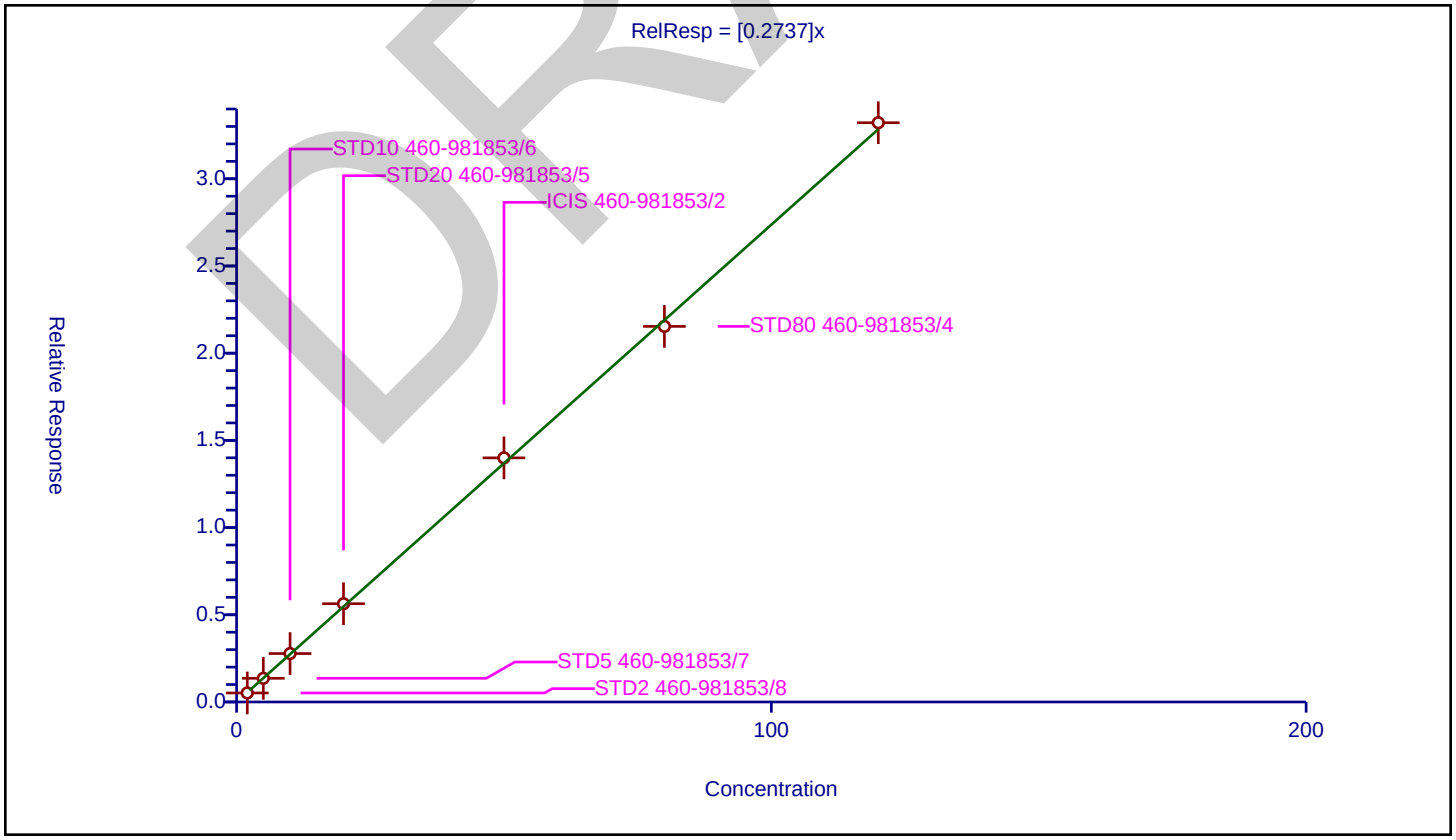
Curve Coefficients

Intercept:	0
Slope:	0.2737

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 460-981853/8	2.0	0.517819	40.0	781122.0	0.25891	Y
2	STD5 460-981853/7	5.0	1.35778	40.0	817982.0	0.271556	Y
3	STD10 460-981853/6	10.0	2.776873	40.0	782650.0	0.277687	Y
4	STD20 460-981853/5	20.0	5.634423	40.0	765388.0	0.281721	Y
5	ICIS 460-981853/2	50.0	13.996957	40.0	712492.0	0.279939	Y
6	STD80 460-981853/4	80.0	21.53544	40.0	778904.0	0.269193	Y
7	STD120 460-981853/3	120.0	33.21398	40.0	736190.0	0.276783	Y



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Calibration / 4-Chloroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

Curve Coefficients

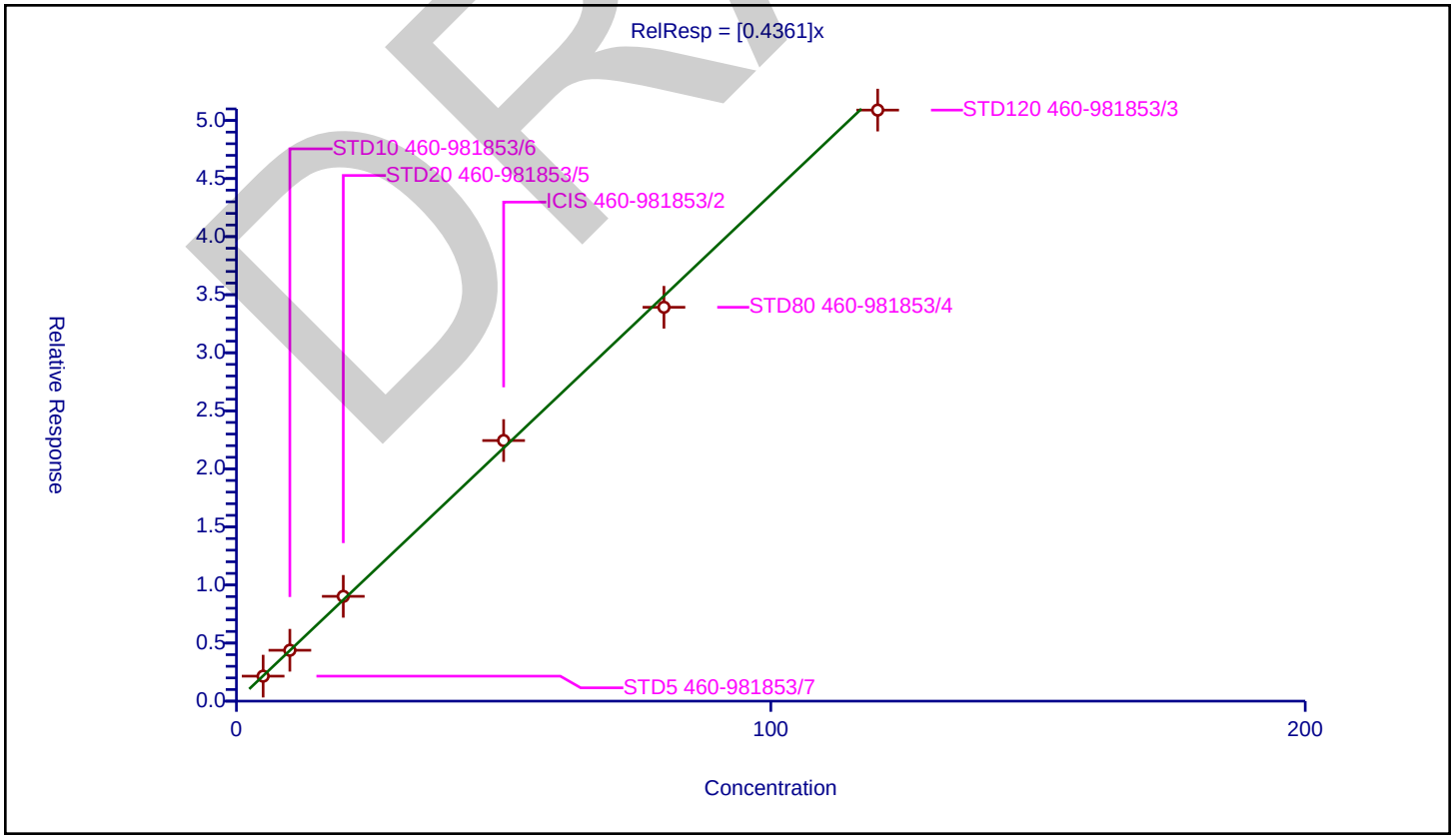
Intercept:	0
Slope:	0.4361

Error Coefficients

Relative Standard Deviation:	2.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	2.151343	40.0	817982.0	0.430269	Y
2	STD10 460-981853/6	10.0	4.382546	40.0	782650.0	0.438255	Y
3	STD20 460-981853/5	20.0	9.022875	40.0	765388.0	0.451144	Y
4	ICIS 460-981853/2	50.0	22.44174	40.0	712492.0	0.448835	Y
5	STD80 460-981853/4	80.0	33.918326	40.0	778904.0	0.423979	Y
6	STD120 460-981853/3	120.0	50.896807	40.0	736190.0	0.42414	Y

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Calibration / Hexachlorobutadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

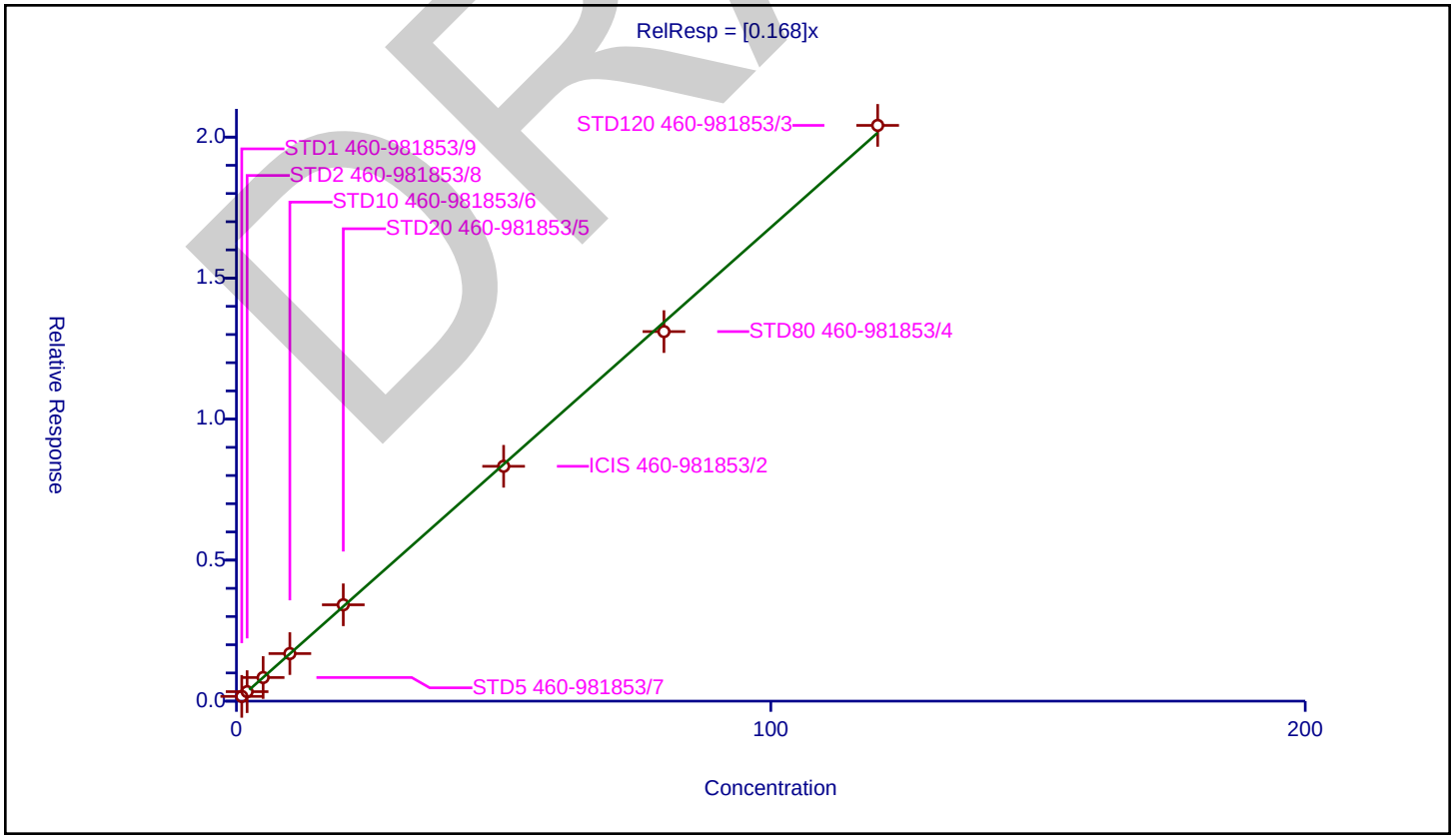
Curve Coefficients

Intercept:	0
Slope:	0.168

Error Coefficients

Relative Standard Deviation:	1.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-981853/9	1.0	0.168137	40.0	763427.0	0.168137	Y
2	STD2 460-981853/8	2.0	0.336337	40.0	781122.0	0.168168	Y
3	STD5 460-981853/7	5.0	0.83728	40.0	817982.0	0.167456	Y
4	STD10 460-981853/6	10.0	1.685913	40.0	782650.0	0.168591	Y
5	STD20 460-981853/5	20.0	3.416568	40.0	765388.0	0.170828	Y
6	ICIS 460-981853/2	50.0	8.327504	40.0	712492.0	0.16655	Y
7	STD80 460-981853/4	80.0	13.104054	40.0	778904.0	0.163801	Y
8	STD120 460-981853/3	120.0	20.415165	40.0	736190.0	0.170126	Y



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Calibration / Caprolactam

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

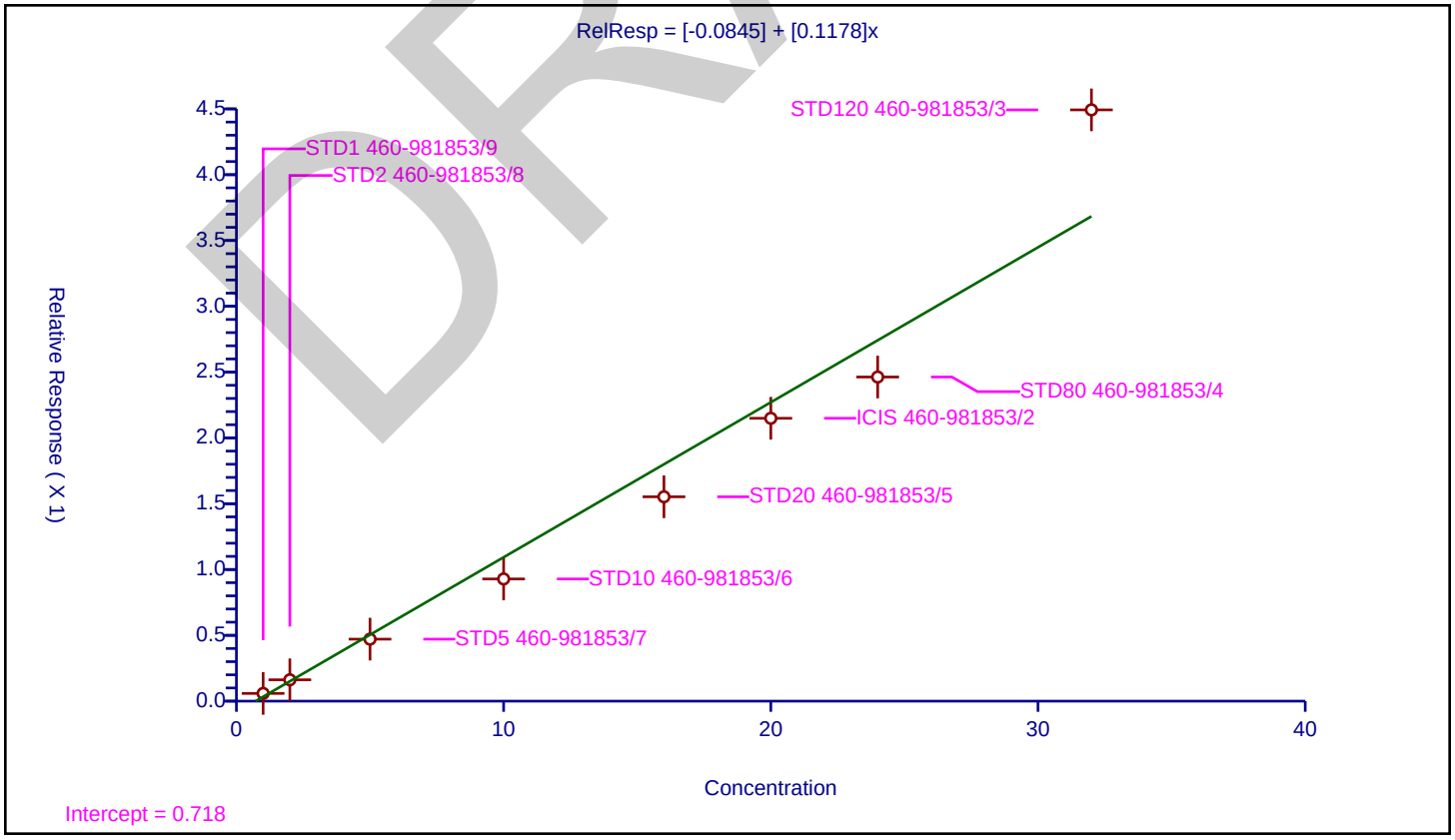
Curve Coefficients

Intercept:	-0.0845
Slope:	0.1178

Error Coefficients

Relative Standard Deviation:	15.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-981853/9	1.0	0.05863	40.0	763427.0	0.05863	Y
2	STD2 460-981853/8	2.0	0.162279	40.0	781122.0	0.08114	Y
3	STD5 460-981853/7	5.0	0.470915	40.0	817982.0	0.094183	Y
4	STD10 460-981853/6	10.0	0.928282	40.0	782650.0	0.092828	Y
5	STD20 460-981853/5	16.0	1.552624	40.0	765388.0	0.097039	Y
6	ICIS 460-981853/2	20.0	2.149245	40.0	712492.0	0.107462	Y
7	STD80 460-981853/4	24.0	2.462691	40.0	778904.0	0.102612	Y
8	STD120 460-981853/3	32.0	4.49259	40.0	736190.0	0.140393	Y



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Calibration / 4-Chloro-3-methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

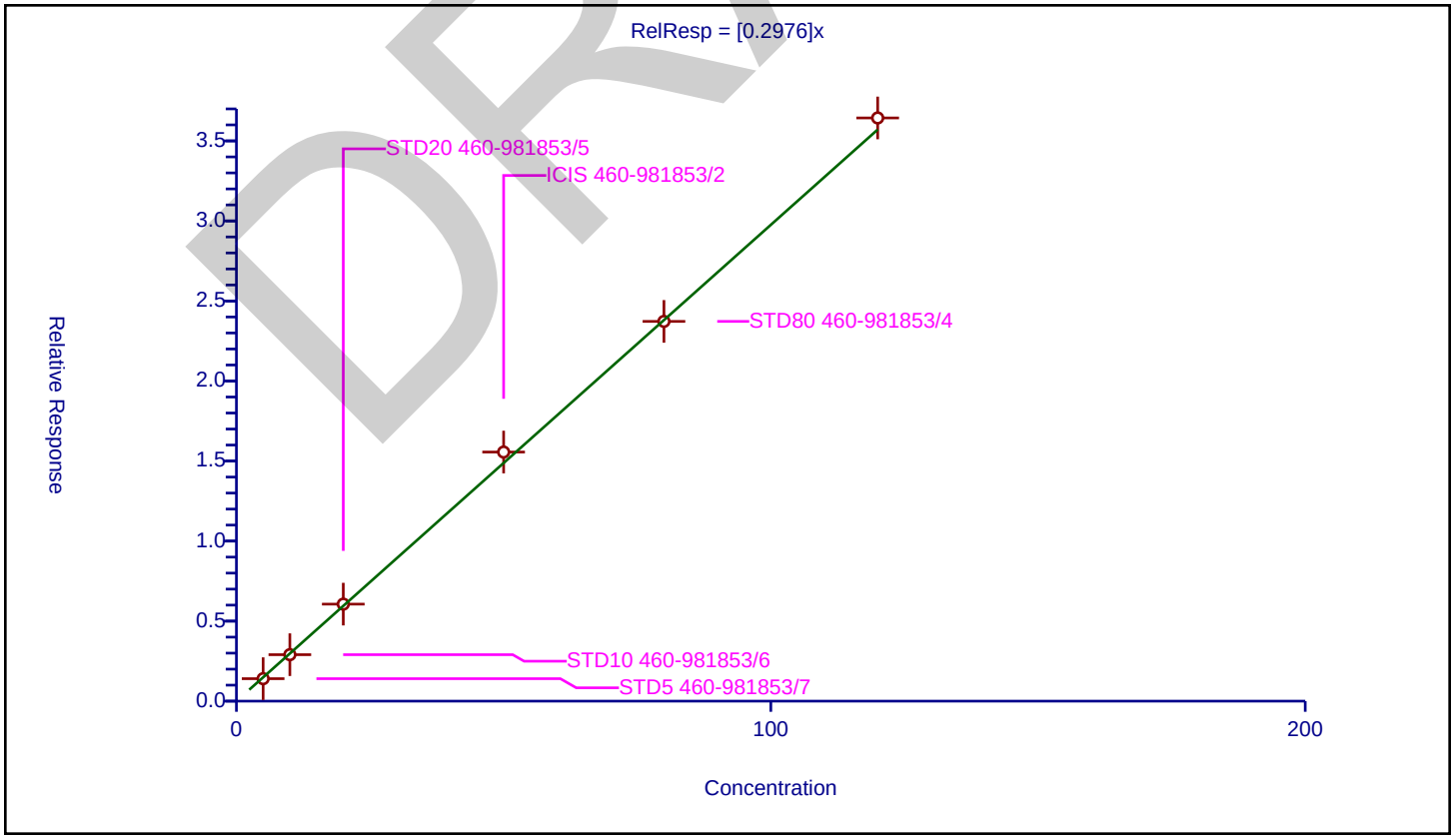
Curve Coefficients

Intercept:	0
Slope:	0.2976

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	1.403356	40.0	817982.0	0.280671	Y
2	STD10 460-981853/6	10.0	2.902089	40.0	782650.0	0.290209	Y
3	STD20 460-981853/5	20.0	6.061396	40.0	765388.0	0.30307	Y
4	ICIS 460-981853/2	50.0	15.56155	40.0	712492.0	0.311231	Y
5	STD80 460-981853/4	80.0	23.723591	40.0	778904.0	0.296545	Y
6	STD120 460-981853/3	120.0	36.434833	40.0	736190.0	0.303624	Y



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Calibration / 2-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

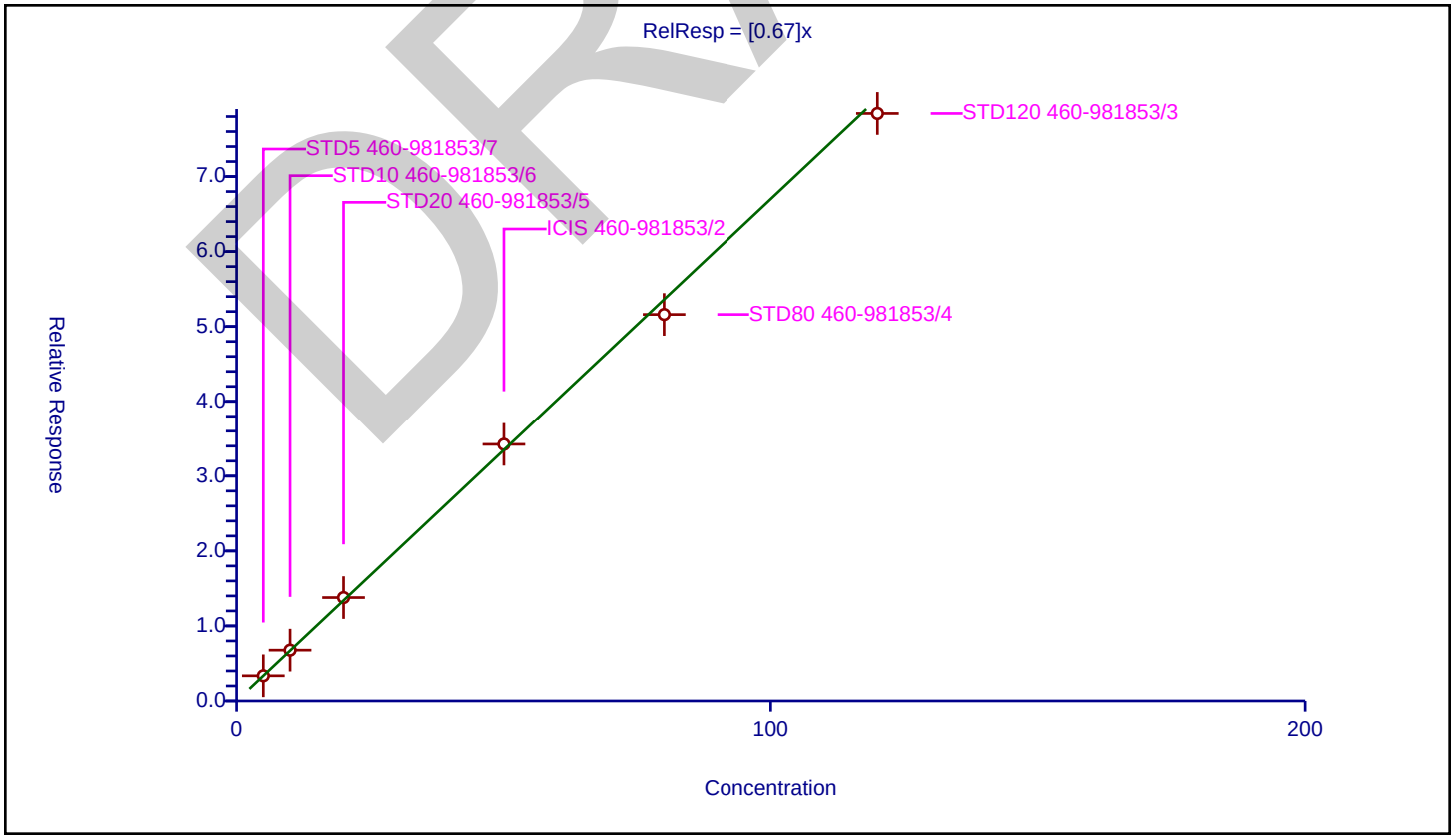
Curve Coefficients

Intercept:	0
Slope:	0.67

Error Coefficients

Relative Standard Deviation:	2.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	3.352934	40.0	817982.0	0.670587	Y
2	STD10 460-981853/6	10.0	6.770076	40.0	782650.0	0.677008	Y
3	STD20 460-981853/5	20.0	13.781193	40.0	765388.0	0.68906	Y
4	ICIS 460-981853/2	50.0	34.246728	40.0	712492.0	0.684935	Y
5	STD80 460-981853/4	80.0	51.604254	40.0	778904.0	0.645053	Y
6	STD120 460-981853/3	120.0	78.411497	40.0	736190.0	0.653429	Y



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Calibration / 1-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

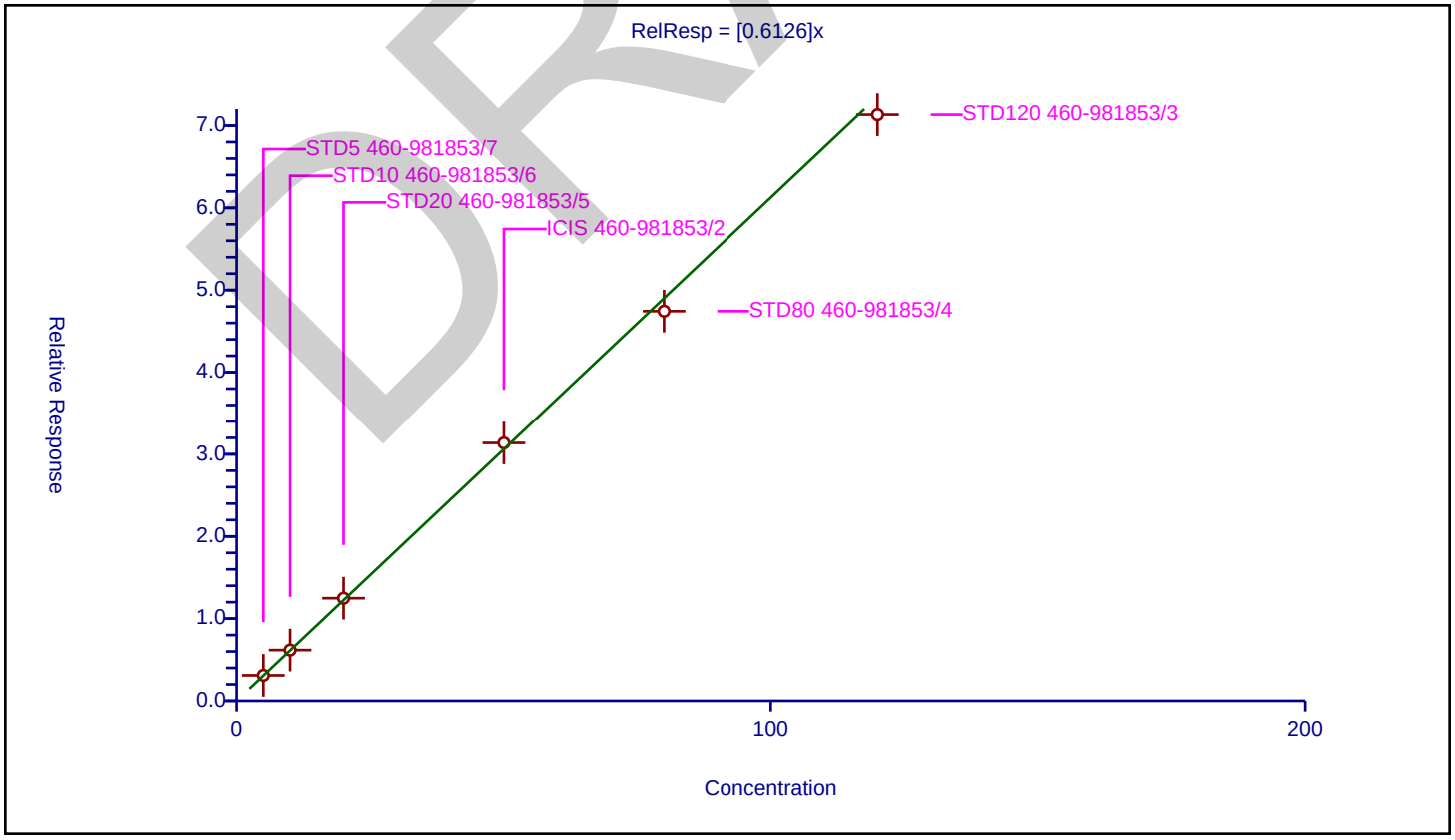
Curve Coefficients

Intercept:	0
Slope:	0.6126

Error Coefficients

Relative Standard Deviation:	2.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	3.097036	40.0	817982.0	0.619407	Y
2	STD10 460-981853/6	10.0	6.171903	40.0	782650.0	0.61719	Y
3	STD20 460-981853/5	20.0	12.48261	40.0	765388.0	0.624131	Y
4	ICIS 460-981853/2	50.0	31.381742	40.0	712492.0	0.627635	Y
5	STD80 460-981853/4	80.0	47.435371	40.0	778904.0	0.592942	Y
6	STD120 460-981853/3	120.0	71.323273	40.0	736190.0	0.594361	Y



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Calibration / Hexachlorocyclopentadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

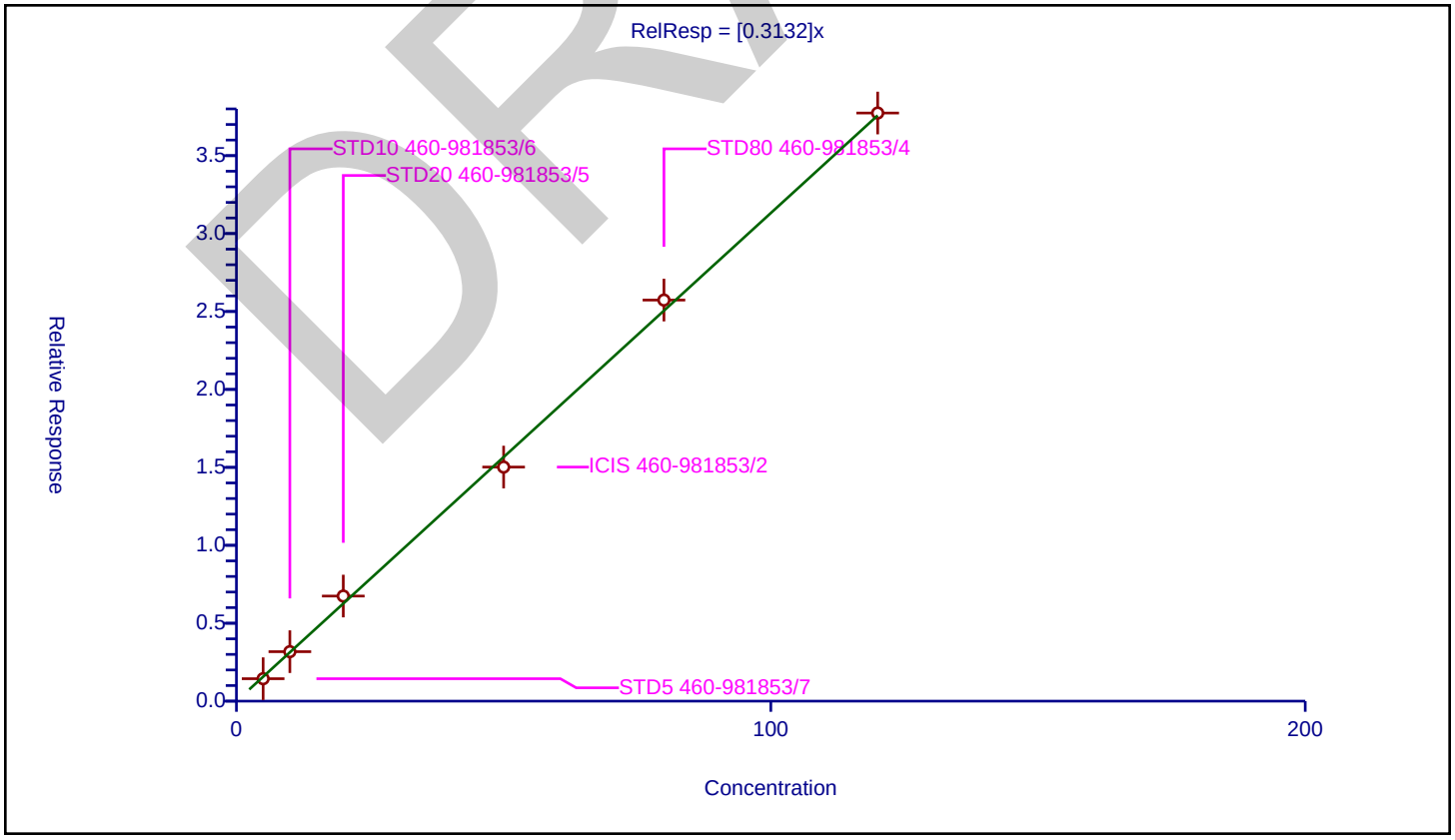
Curve Coefficients

Intercept:	0
Slope:	0.3132

Error Coefficients

Relative Standard Deviation:	5.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	1.439875	40.0	419953.0	0.287975	Y
2	STD10 460-981853/6	10.0	3.173784	40.0	400607.0	0.317378	Y
3	STD20 460-981853/5	20.0	6.743081	40.0	389804.0	0.337154	Y
4	ICIS 460-981853/2	50.0	15.018219	40.0	370486.0	0.300364	Y
5	STD80 460-981853/4	80.0	25.733254	40.0	398409.0	0.321666	Y
6	STD120 460-981853/3	120.0	37.735039	40.0	374523.0	0.314459	Y



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Calibration / 1,2,4,5-Tetrachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

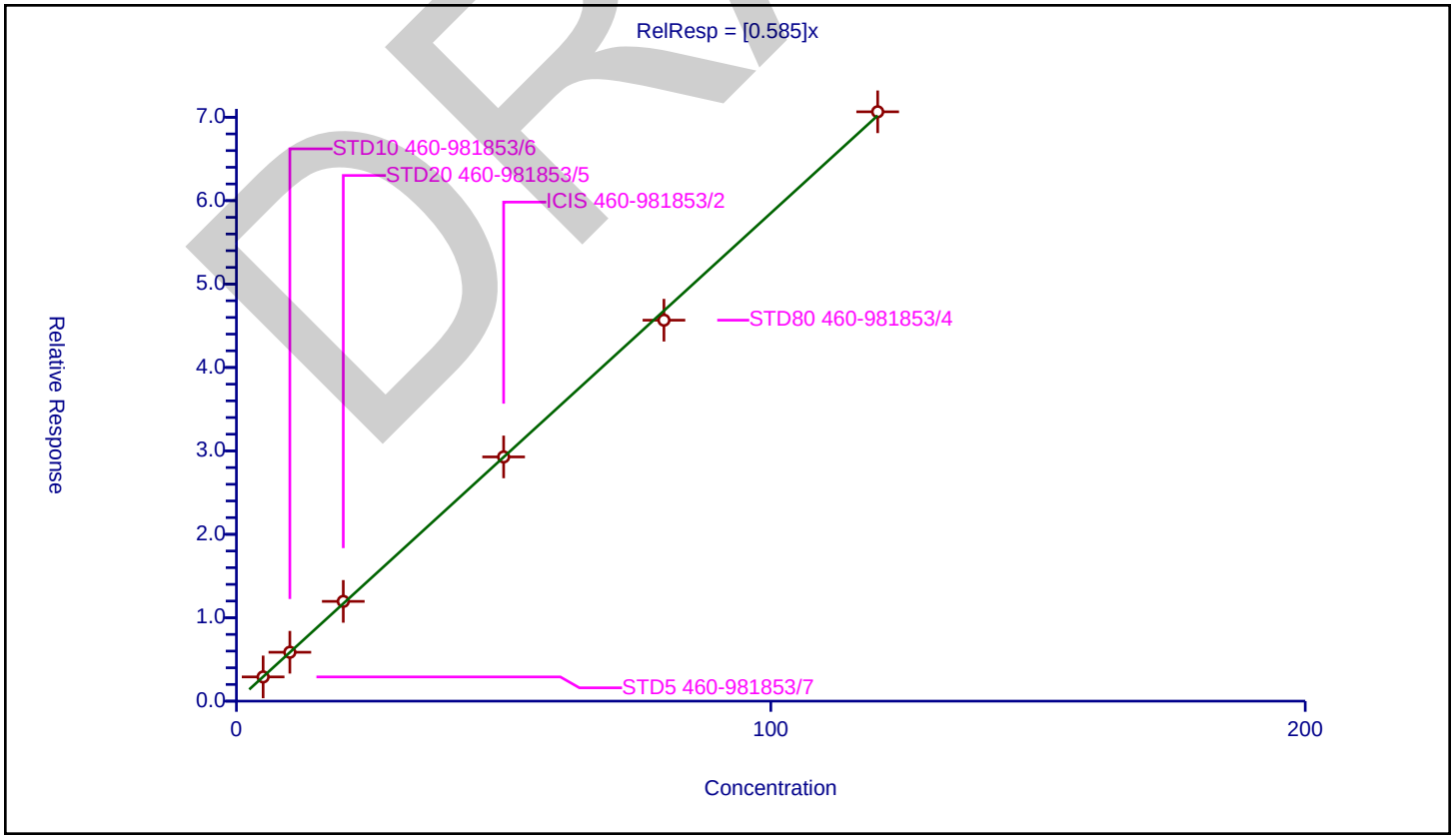
Curve Coefficients

Intercept:	0
Slope:	0.585

Error Coefficients

Relative Standard Deviation:	1.5

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	2.90423	40.0	419953.0	0.580846	Y
2	STD10 460-981853/6	10.0	5.861705	40.0	400607.0	0.58617	Y
3	STD20 460-981853/5	20.0	11.959446	40.0	389804.0	0.597972	Y
4	ICIS 460-981853/2	50.0	29.276572	40.0	370486.0	0.585531	Y
5	STD80 460-981853/4	80.0	45.671257	40.0	398409.0	0.570891	Y
6	STD120 460-981853/3	120.0	70.650721	40.0	374523.0	0.588756	Y



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Calibration / 2-tertbutyl-4-methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

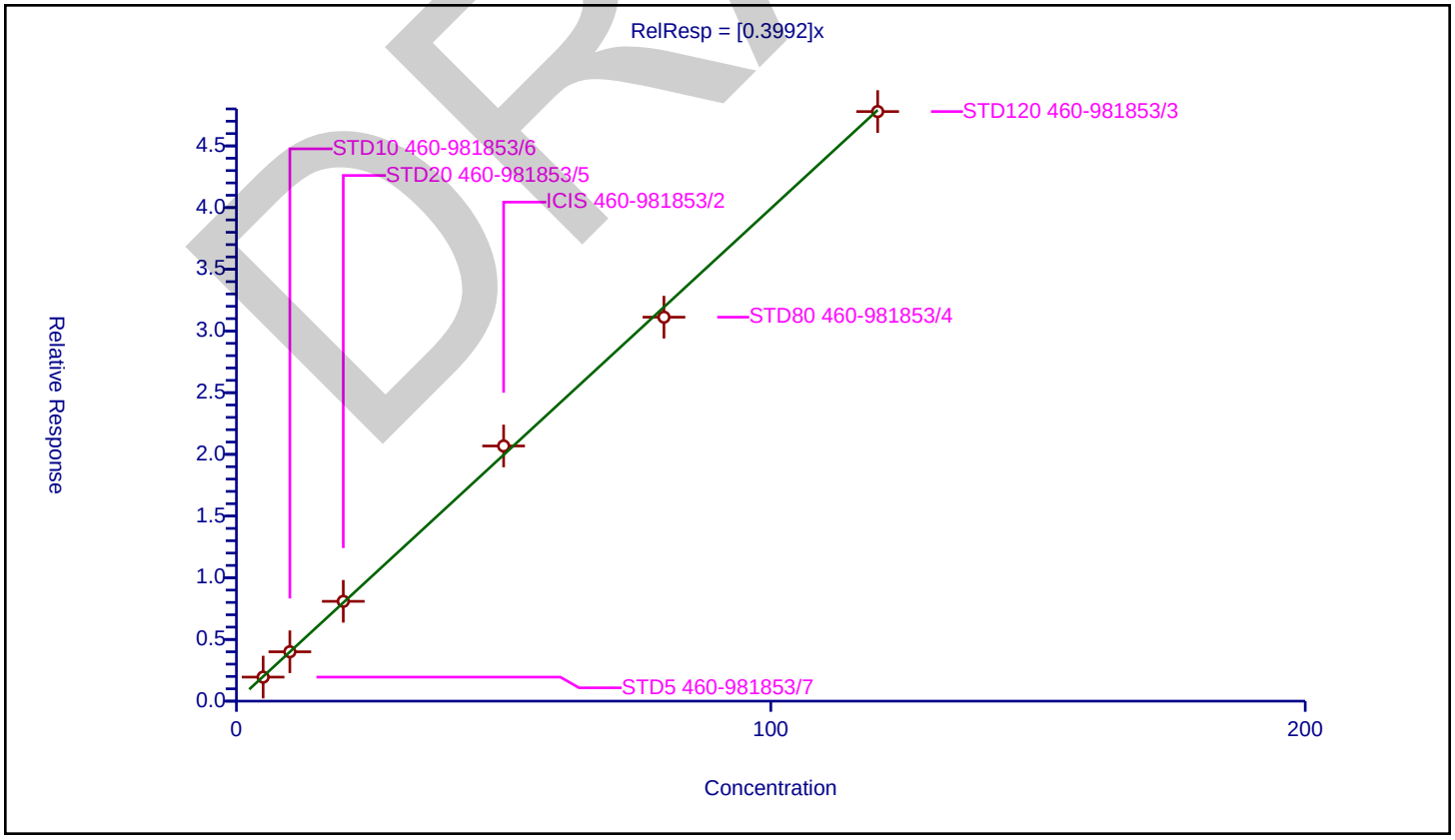
Curve Coefficients

Intercept:	0
Slope:	0.3992

Error Coefficients

Relative Standard Deviation:	2.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	1.948845	40.0	817982.0	0.389769	Y
2	STD10 460-981853/6	10.0	4.001431	40.0	782650.0	0.400143	Y
3	STD20 460-981853/5	20.0	8.089701	40.0	765388.0	0.404485	Y
4	ICIS 460-981853/2	50.0	20.681159	40.0	712492.0	0.413623	Y
5	STD80 460-981853/4	80.0	31.118957	40.0	778904.0	0.388987	Y
6	STD120 460-981853/3	120.0	47.784892	40.0	736190.0	0.398207	Y



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Calibration / 2,4,6-Trichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

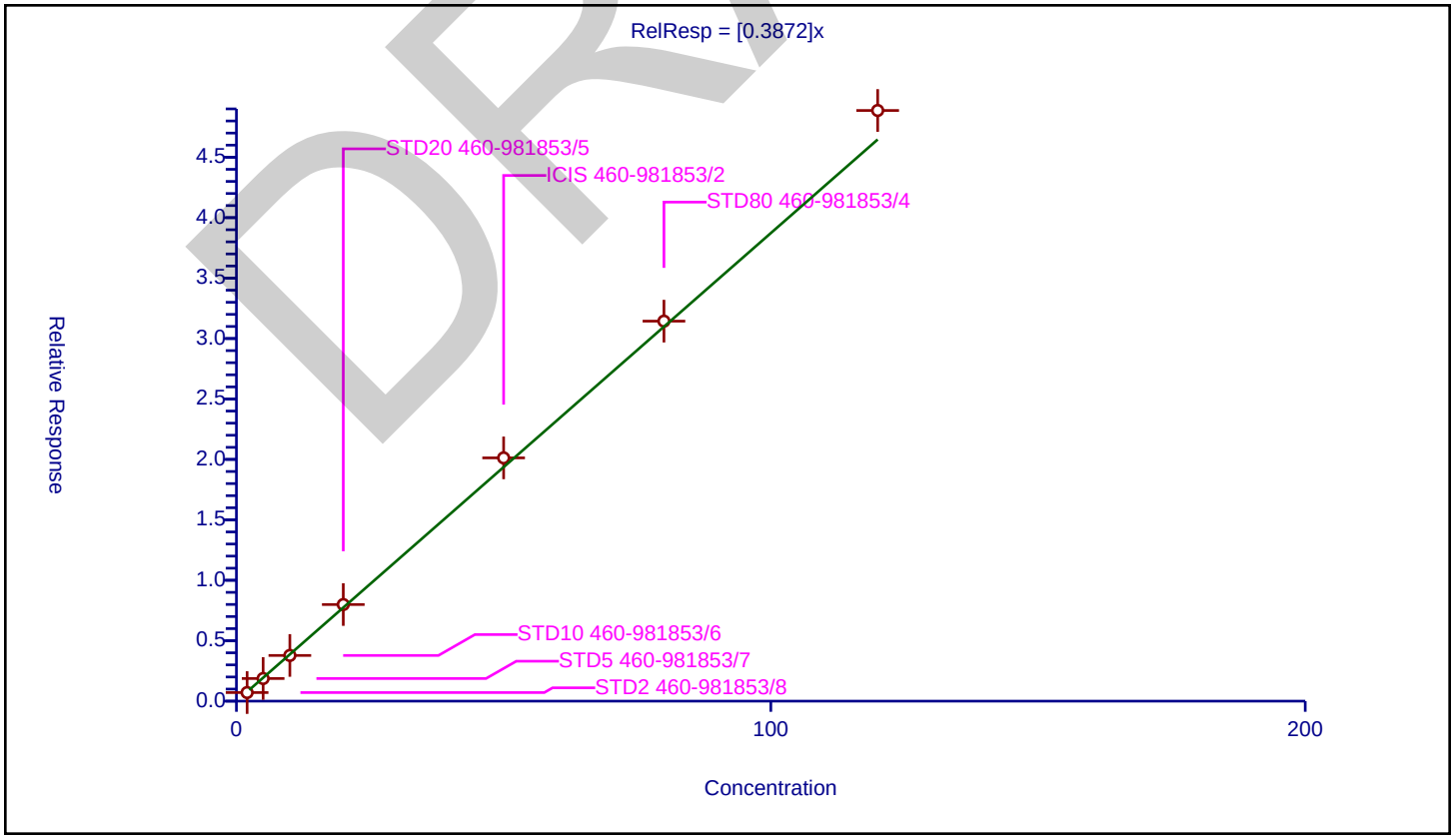
Curve Coefficients

Intercept:	0
Slope:	0.3872

Error Coefficients

Relative Standard Deviation:	4.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 460-981853/8	2.0	0.711585	40.0	399840.0	0.355792	Y
2	STD5 460-981853/7	5.0	1.871448	40.0	419953.0	0.37429	Y
3	STD10 460-981853/6	10.0	3.780763	40.0	400607.0	0.378076	Y
4	STD20 460-981853/5	20.0	7.993145	40.0	389804.0	0.399657	Y
5	ICIS 460-981853/2	50.0	20.12686	40.0	370486.0	0.402537	Y
6	STD80 460-981853/4	80.0	31.439551	40.0	398409.0	0.392994	Y
7	STD120 460-981853/3	120.0	48.868454	40.0	374523.0	0.407237	Y



DRAFT

Calibration / 2,4,5-Trichlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

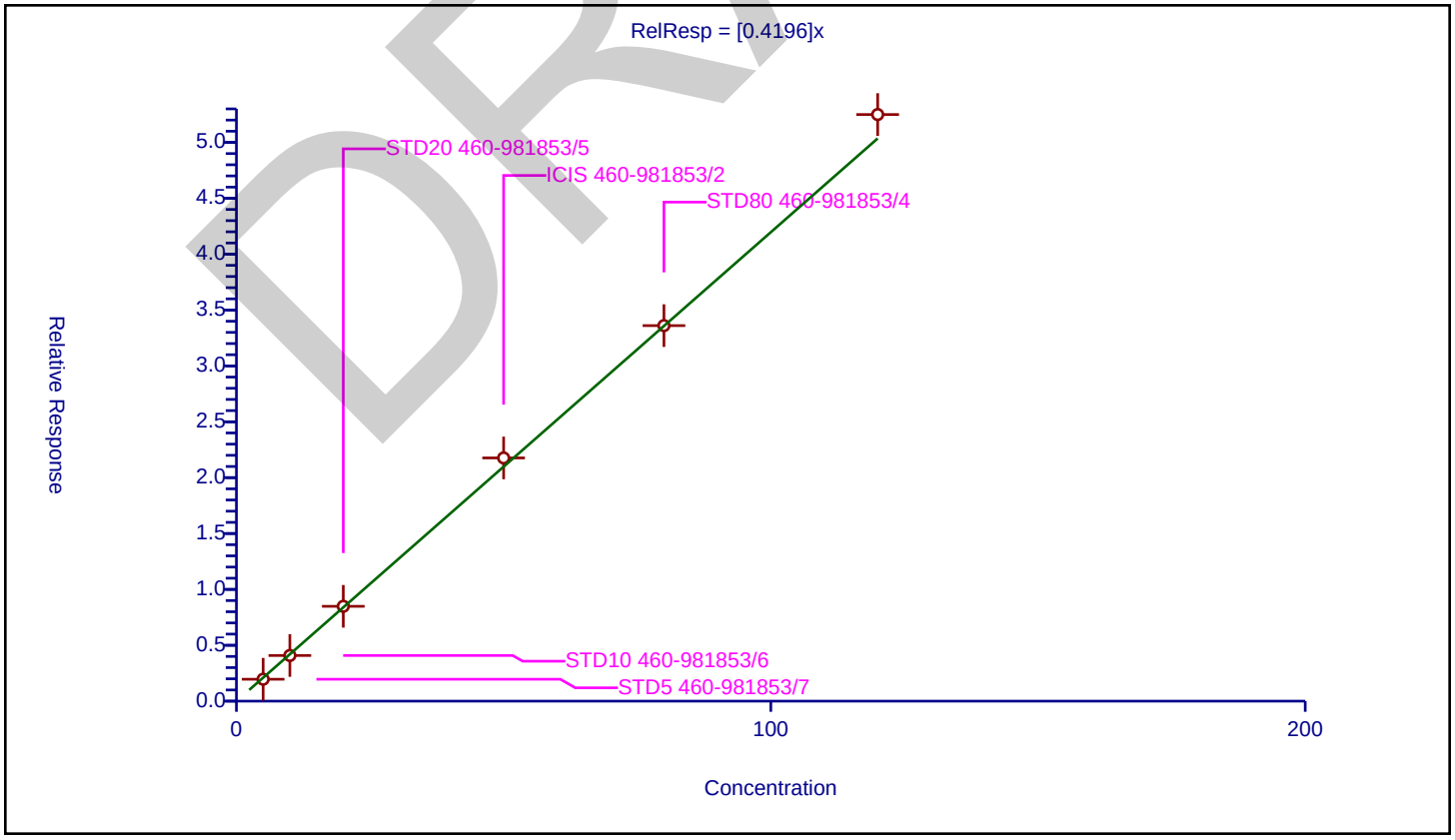
Curve Coefficients

Intercept:	0
Slope:	0.4196

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	1.960791	40.0	419953.0	0.392158	Y
2	STD10 460-981853/6	10.0	4.085101	40.0	400607.0	0.40851	Y
3	STD20 460-981853/5	20.0	8.487137	40.0	389804.0	0.424357	Y
4	ICIS 460-981853/2	50.0	21.764277	40.0	370486.0	0.435286	Y
5	STD80 460-981853/4	80.0	33.604663	40.0	398409.0	0.420058	Y
6	STD120 460-981853/3	120.0	52.493545	40.0	374523.0	0.437446	Y



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Calibration / 2-Fluorobiphenyl

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

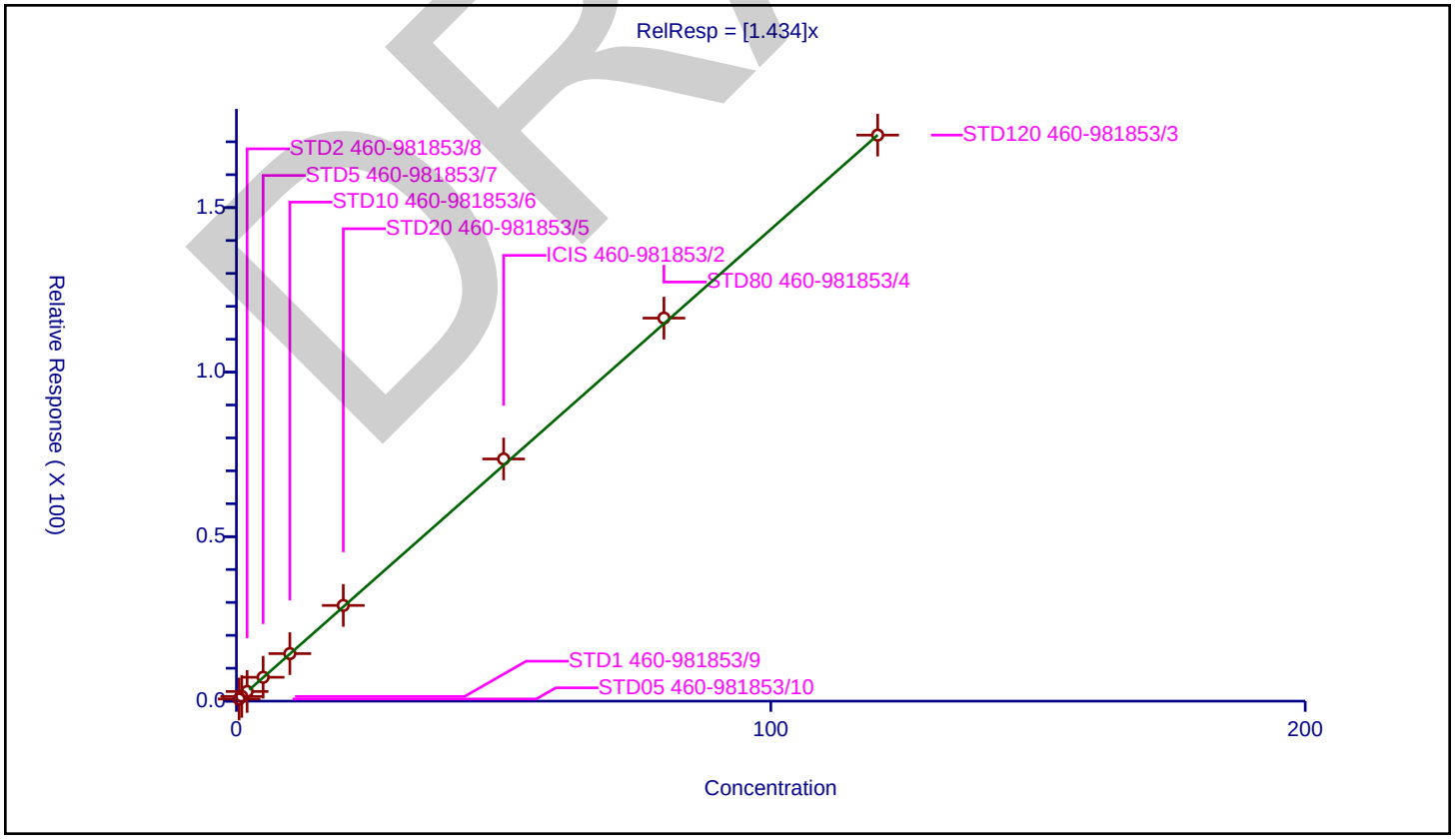
Curve Coefficients

Intercept:	0
Slope:	1.434

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD05 460-981853/10	0.5	0.647779	40.0	403656.0	1.295559	Y
2	STD1 460-981853/9	1.0	1.42597	40.0	388816.0	1.42597	Y
3	STD2 460-981853/8	2.0	2.945378	40.0	399840.0	1.472689	Y
4	STD5 460-981853/7	5.0	7.254907	40.0	419953.0	1.450981	Y
5	STD10 460-981853/6	10.0	14.442284	40.0	400607.0	1.444228	Y
6	STD20 460-981853/5	20.0	29.090928	40.0	389804.0	1.454546	Y
7	ICIS 460-981853/2	50.0	73.598786	40.0	370486.0	1.471976	Y
8	STD80 460-981853/4	80.0	116.413836	40.0	398409.0	1.455173	Y
9	STD120 460-981853/3	120.0	172.03643	40.0	374523.0	1.433637	Y



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Calibration / 1,1'-Biphenyl

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

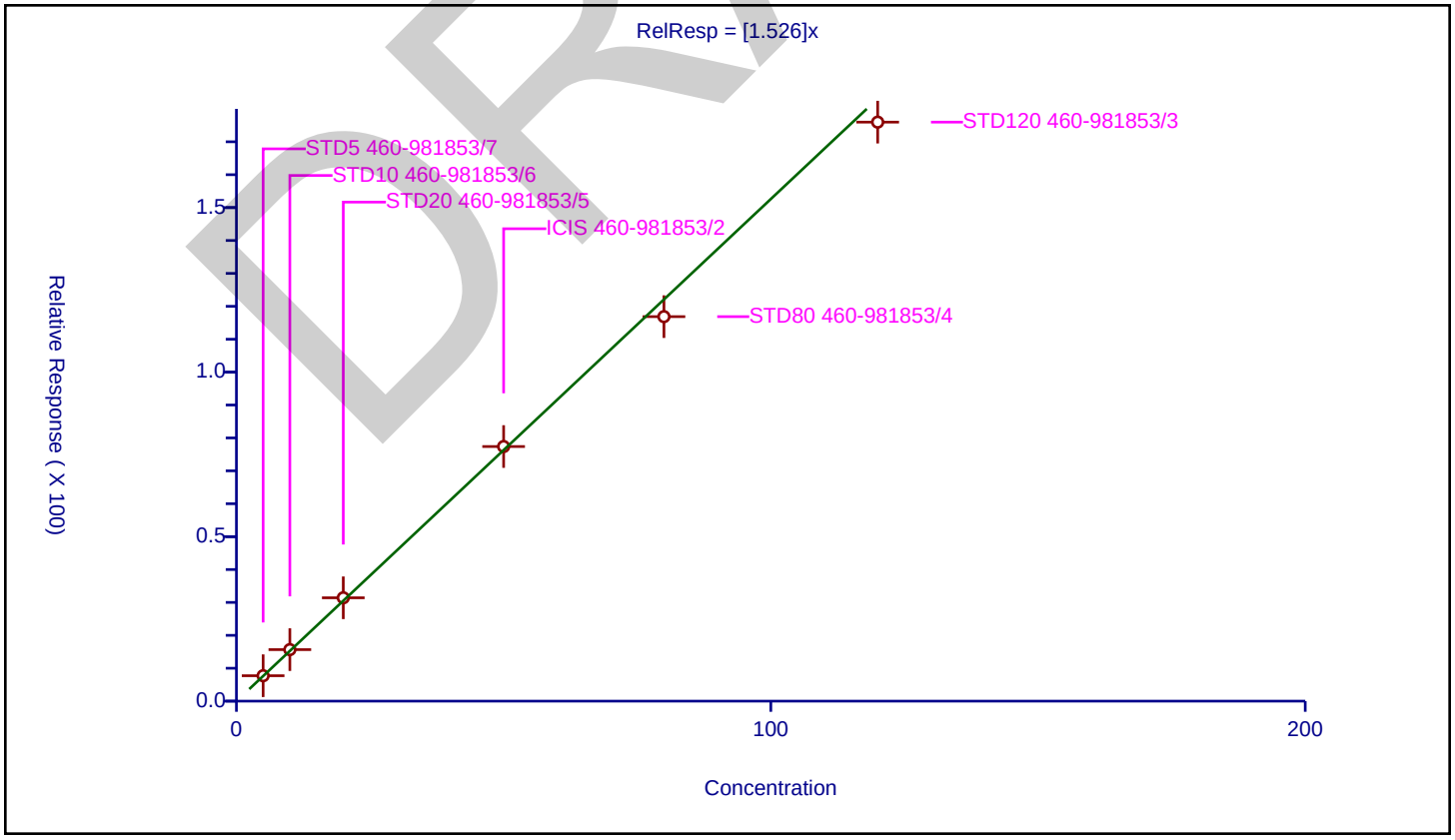
Curve Coefficients

Intercept:	0
Slope:	1.526

Error Coefficients

Relative Standard Deviation:	3.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	7.72496	40.0	419953.0	1.544992	Y
2	STD10 460-981853/6	10.0	15.656541	40.0	400607.0	1.565654	Y
3	STD20 460-981853/5	20.0	31.409734	40.0	389804.0	1.570487	Y
4	ICIS 460-981853/2	50.0	77.382033	40.0	370486.0	1.547641	Y
5	STD80 460-981853/4	80.0	116.857902	40.0	398409.0	1.460724	Y
6	STD120 460-981853/3	120.0	175.974773	40.0	374523.0	1.466456	Y



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Calibration / 2-Chloronaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

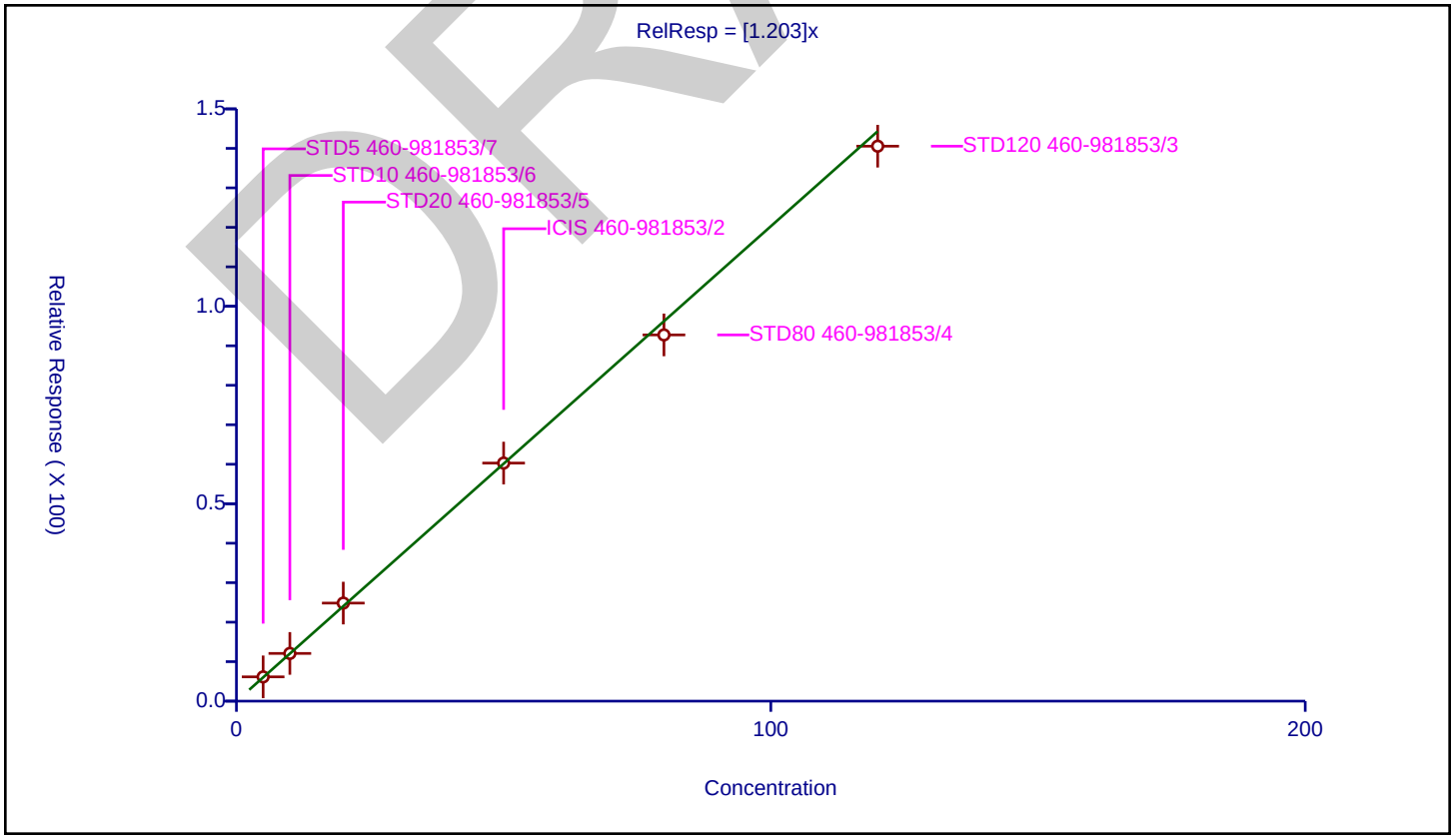
Curve Coefficients

Intercept:	0
Slope:	1.203

Error Coefficients

Relative Standard Deviation:	2.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	6.145259	40.0	419953.0	1.229052	Y
2	STD10 460-981853/6	10.0	12.086359	40.0	400607.0	1.208636	Y
3	STD20 460-981853/5	20.0	24.836892	40.0	389804.0	1.241845	Y
4	ICIS 460-981853/2	50.0	60.294748	40.0	370486.0	1.205895	Y
5	STD80 460-981853/4	80.0	92.756238	40.0	398409.0	1.159453	Y
6	STD120 460-981853/3	120.0	140.556815	40.0	374523.0	1.171307	Y



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Calibration / Phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

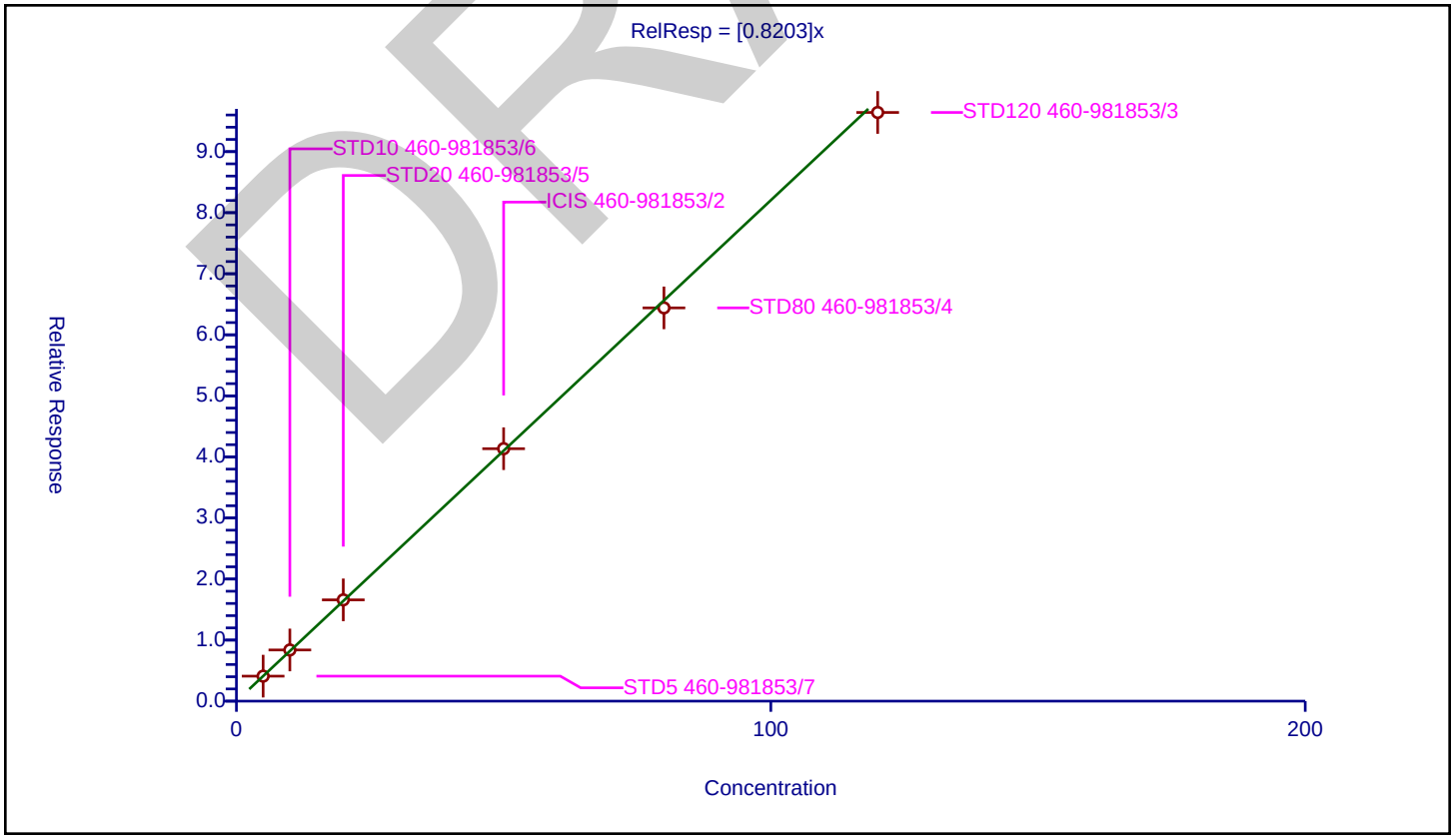
Curve Coefficients

Intercept:	0
Slope:	0.8203

Error Coefficients

Relative Standard Deviation:	1.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	4.094649	40.0	419953.0	0.81893	Y
2	STD10 460-981853/6	10.0	8.381481	40.0	400607.0	0.838148	Y
3	STD20 460-981853/5	20.0	16.588952	40.0	389804.0	0.829448	Y
4	ICIS 460-981853/2	50.0	41.349147	40.0	370486.0	0.826983	Y
5	STD80 460-981853/4	80.0	64.408384	40.0	398409.0	0.805105	Y
6	STD120 460-981853/3	120.0	96.414159	40.0	374523.0	0.803451	Y



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Calibration / 2-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

Curve Coefficients

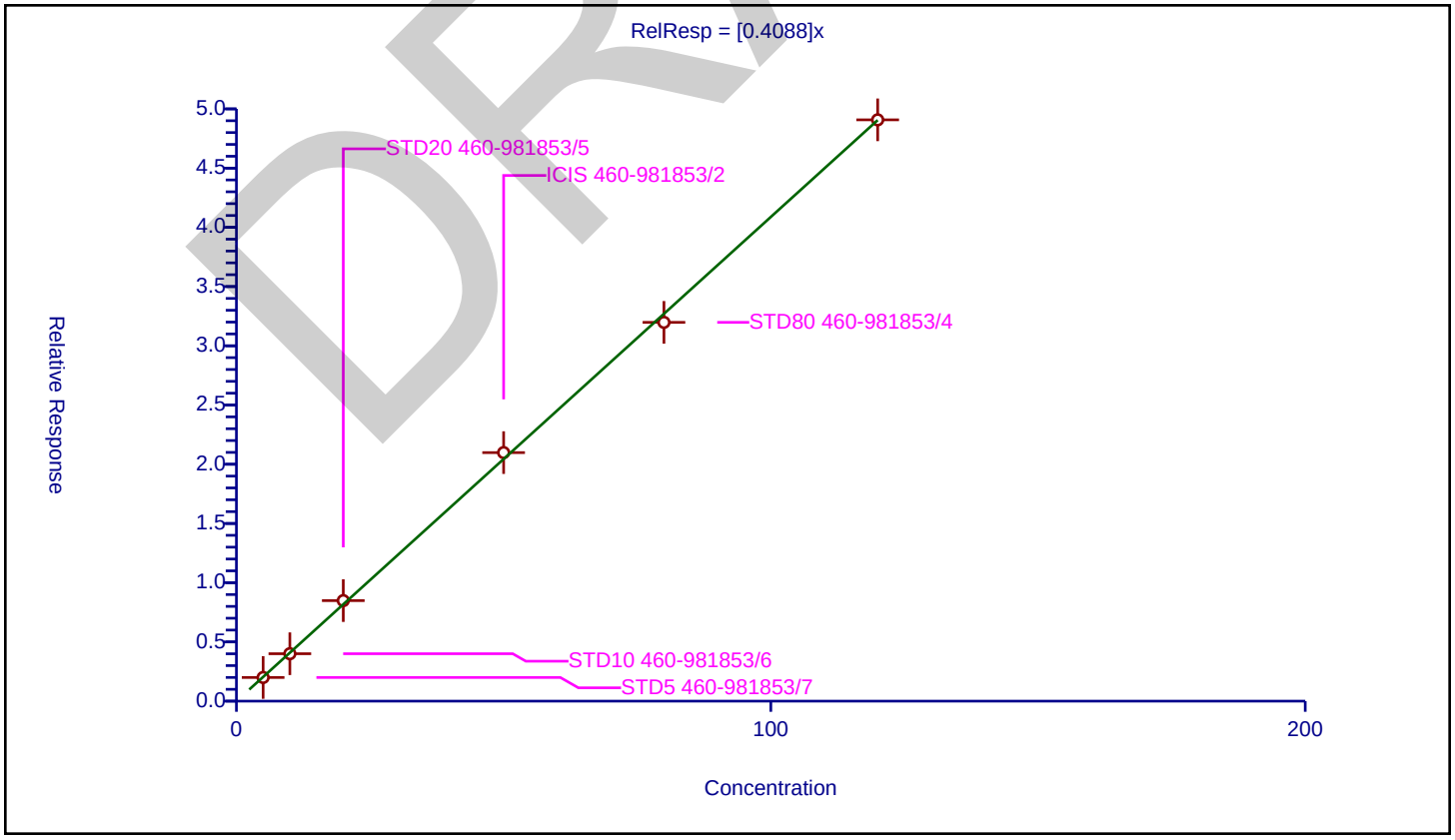
Intercept:	0
Slope:	0.4088

Error Coefficients

Relative Standard Deviation:	2.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	1.997366	40.0	419953.0	0.399473	Y
2	STD10 460-981853/6	10.0	4.004224	40.0	400607.0	0.400422	Y
3	STD20 460-981853/5	20.0	8.486521	40.0	389804.0	0.424326	Y
4	ICIS 460-981853/2	50.0	20.982061	40.0	370486.0	0.419641	Y
5	STD80 460-981853/4	80.0	31.977089	40.0	398409.0	0.399714	Y
6	STD120 460-981853/3	120.0	49.075437	40.0	374523.0	0.408962	Y

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Calibration / 1,3-Dimethylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

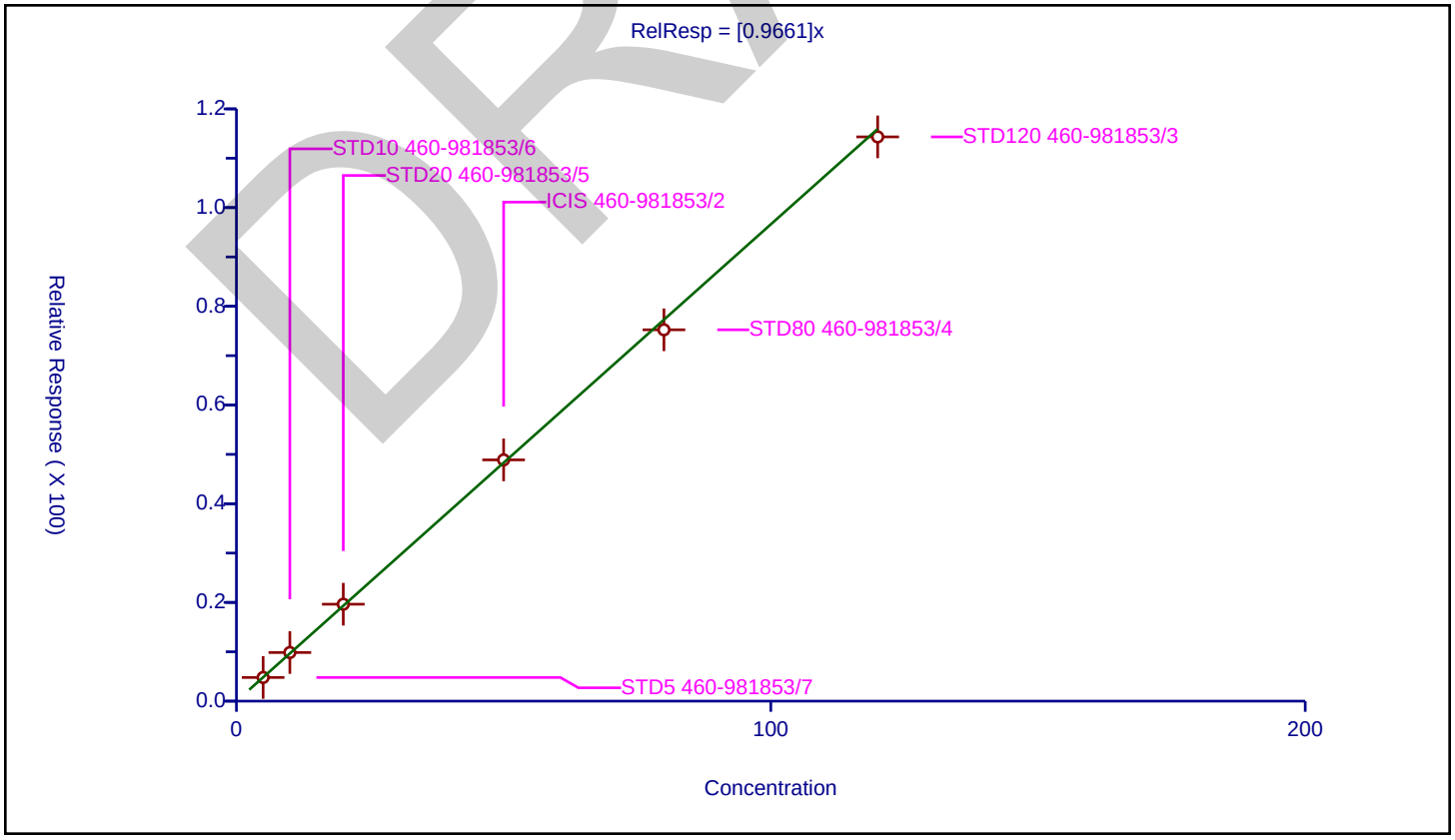
Curve Coefficients

Intercept:	0
Slope:	0.9661

Error Coefficients

Relative Standard Deviation:	1.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	4.793584	40.0	419953.0	0.958717	Y
2	STD10 460-981853/6	10.0	9.850652	40.0	400607.0	0.985065	Y
3	STD20 460-981853/5	20.0	19.639716	40.0	389804.0	0.981986	Y
4	ICIS 460-981853/2	50.0	48.881847	40.0	370486.0	0.977637	Y
5	STD80 460-981853/4	80.0	75.24067	40.0	398409.0	0.940508	Y
6	STD120 460-981853/3	120.0	114.330281	40.0	374523.0	0.952752	Y



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Calibration / Dimethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

Curve Coefficients

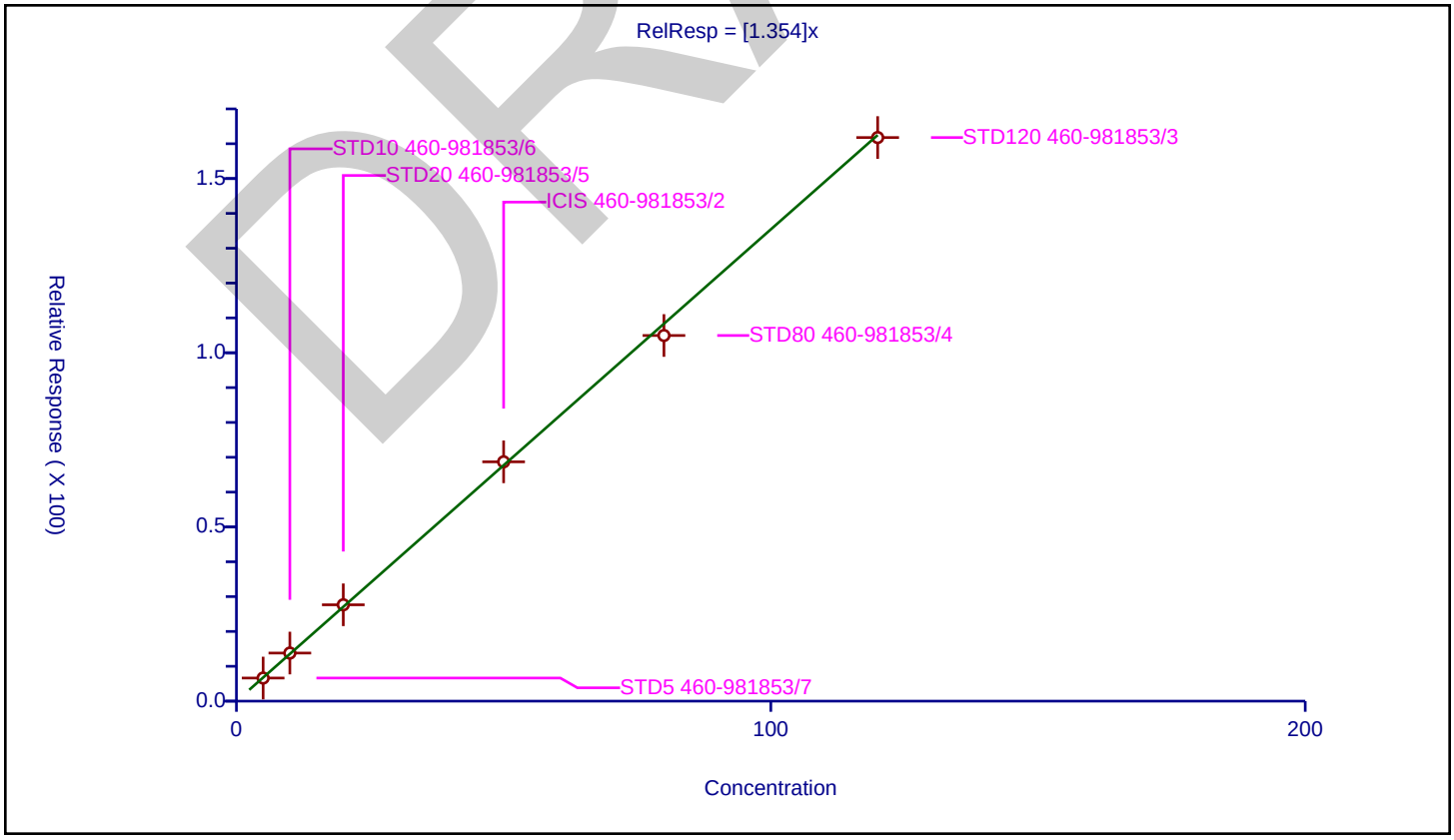
Intercept:	0
Slope:	1.354

Error Coefficients

Relative Standard Deviation:	2.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	6.63579	40.0	419953.0	1.327158	Y
2	STD10 460-981853/6	10.0	13.80575	40.0	400607.0	1.380575	Y
3	STD20 460-981853/5	20.0	27.656463	40.0	389804.0	1.382823	Y
4	ICIS 460-981853/2	50.0	68.69215	40.0	370486.0	1.373843	Y
5	STD80 460-981853/4	80.0	104.957669	40.0	398409.0	1.311971	Y
6	STD120 460-981853/3	120.0	161.773242	40.0	374523.0	1.34811	Y

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Calibration / Coumarin

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

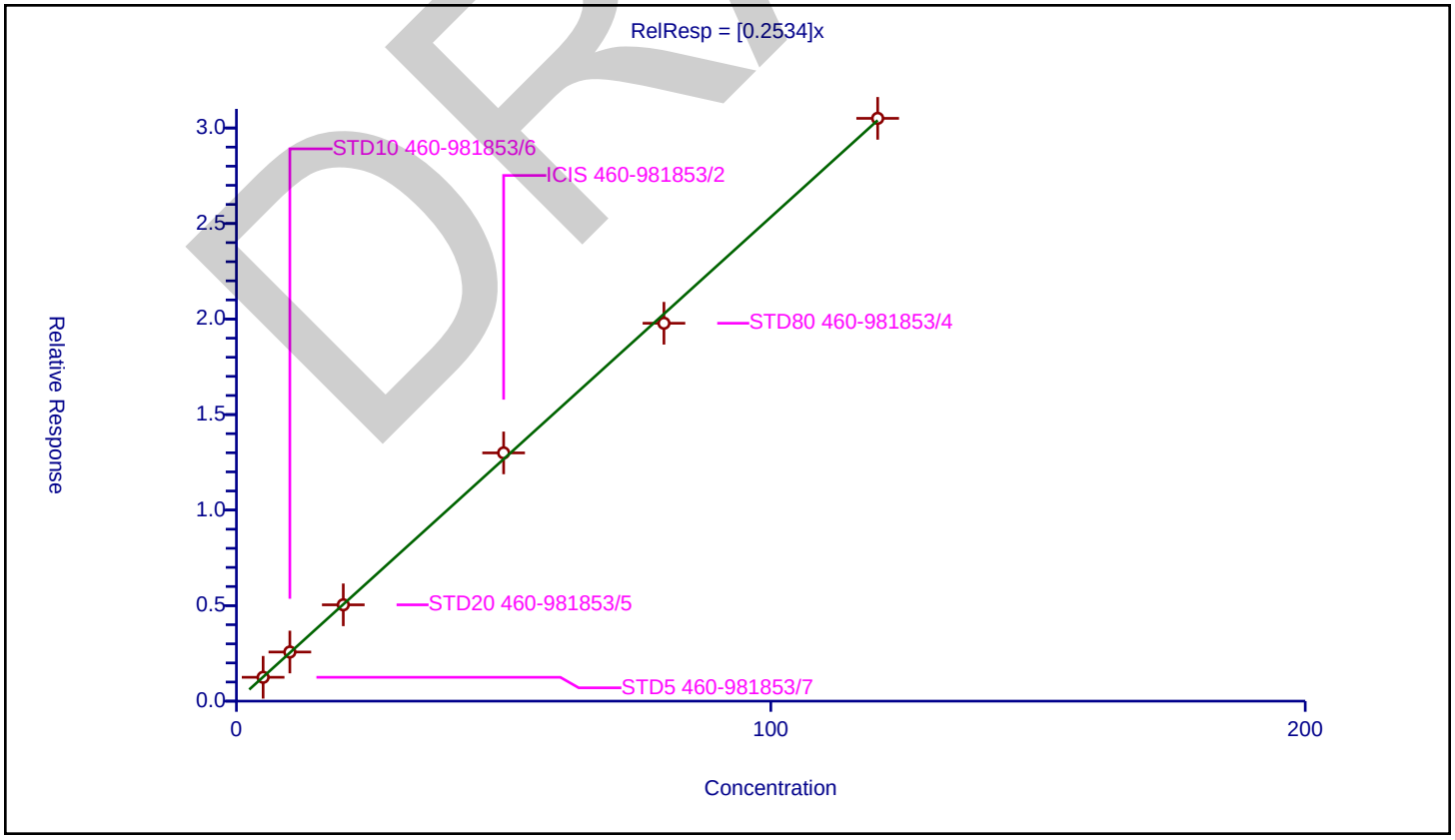
Curve Coefficients

Intercept:	0
Slope:	0.2534

Error Coefficients

Relative Standard Deviation:	1.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	1.248243	40.0	817982.0	0.249649	Y
2	STD10 460-981853/6	10.0	2.570804	40.0	782650.0	0.25708	Y
3	STD20 460-981853/5	20.0	5.042201	40.0	765388.0	0.25211	Y
4	ICIS 460-981853/2	50.0	12.994167	40.0	712492.0	0.259883	Y
5	STD80 460-981853/4	80.0	19.780461	40.0	778904.0	0.247256	Y
6	STD120 460-981853/3	120.0	30.504516	40.0	736190.0	0.254204	Y



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Calibration / 2,6-Dinitrotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

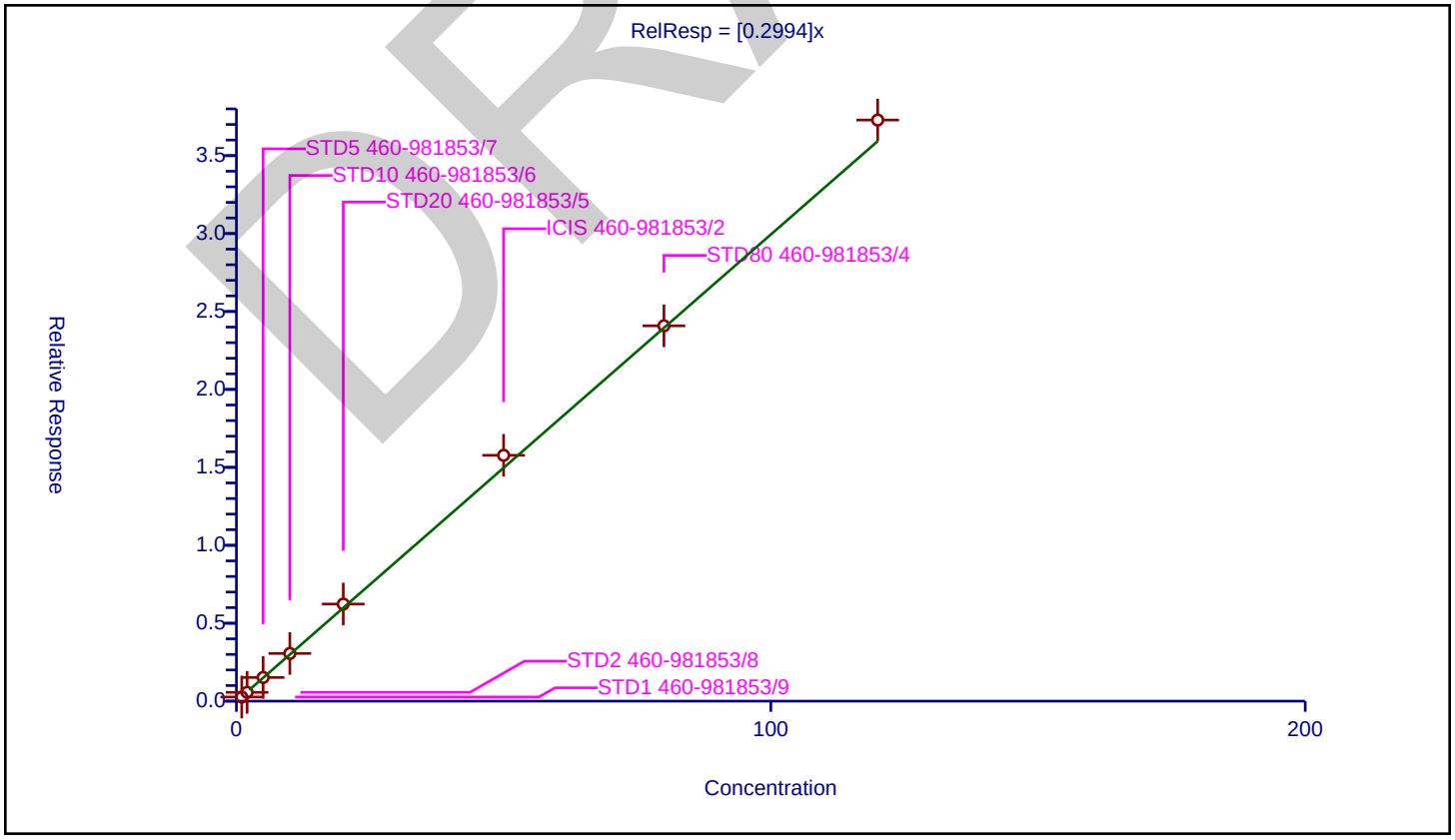
Curve Coefficients

Intercept:	0
Slope:	0.2994

Error Coefficients

Relative Standard Deviation:	5.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-981853/9	1.0	0.264495	40.0	388816.0	0.264495	Y
2	STD2 460-981853/8	2.0	0.564426	40.0	399840.0	0.282213	Y
3	STD5 460-981853/7	5.0	1.518932	40.0	419953.0	0.303786	Y
4	STD10 460-981853/6	10.0	3.058958	40.0	400607.0	0.305896	Y
5	STD20 460-981853/5	20.0	6.230413	40.0	389804.0	0.311521	Y
6	ICIS 460-981853/2	50.0	15.773444	40.0	370486.0	0.315469	Y
7	STD80 460-981853/4	80.0	24.081886	40.0	398409.0	0.301024	Y
8	STD120 460-981853/3	120.0	37.284546	40.0	374523.0	0.310705	Y



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Calibration / Acenaphthylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

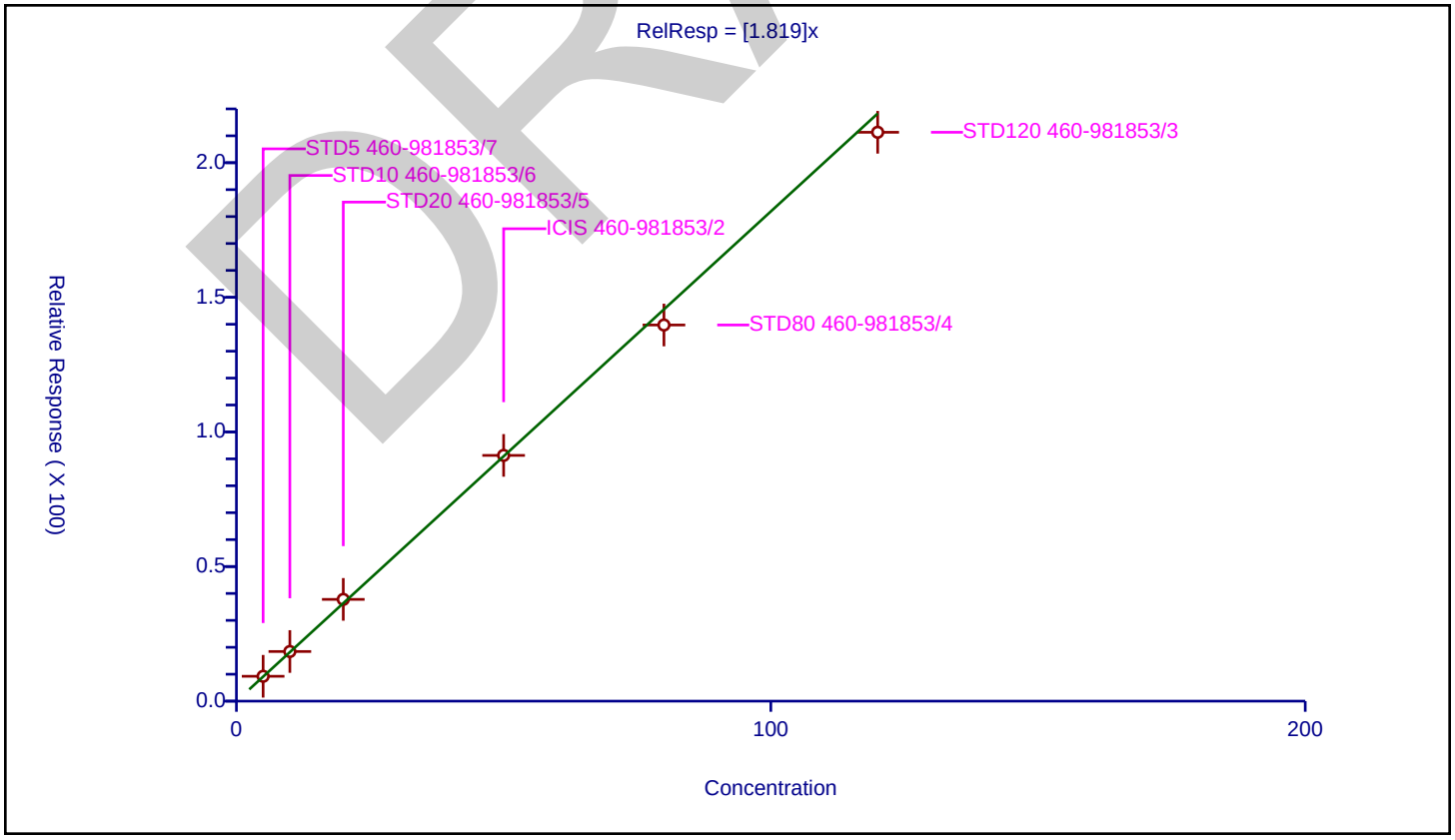
Curve Coefficients

Intercept:	0
Slope:	1.819

Error Coefficients

Relative Standard Deviation:	3.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	9.237129	40.0	419953.0	1.847426	Y
2	STD10 460-981853/6	10.0	18.432529	40.0	400607.0	1.843253	Y
3	STD20 460-981853/5	20.0	37.801664	40.0	389804.0	1.890083	Y
4	ICIS 460-981853/2	50.0	91.285933	40.0	370486.0	1.825719	Y
5	STD80 460-981853/4	80.0	139.718832	40.0	398409.0	1.746485	Y
6	STD120 460-981853/3	120.0	211.313591	40.0	374523.0	1.760947	Y



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Calibration / 3-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

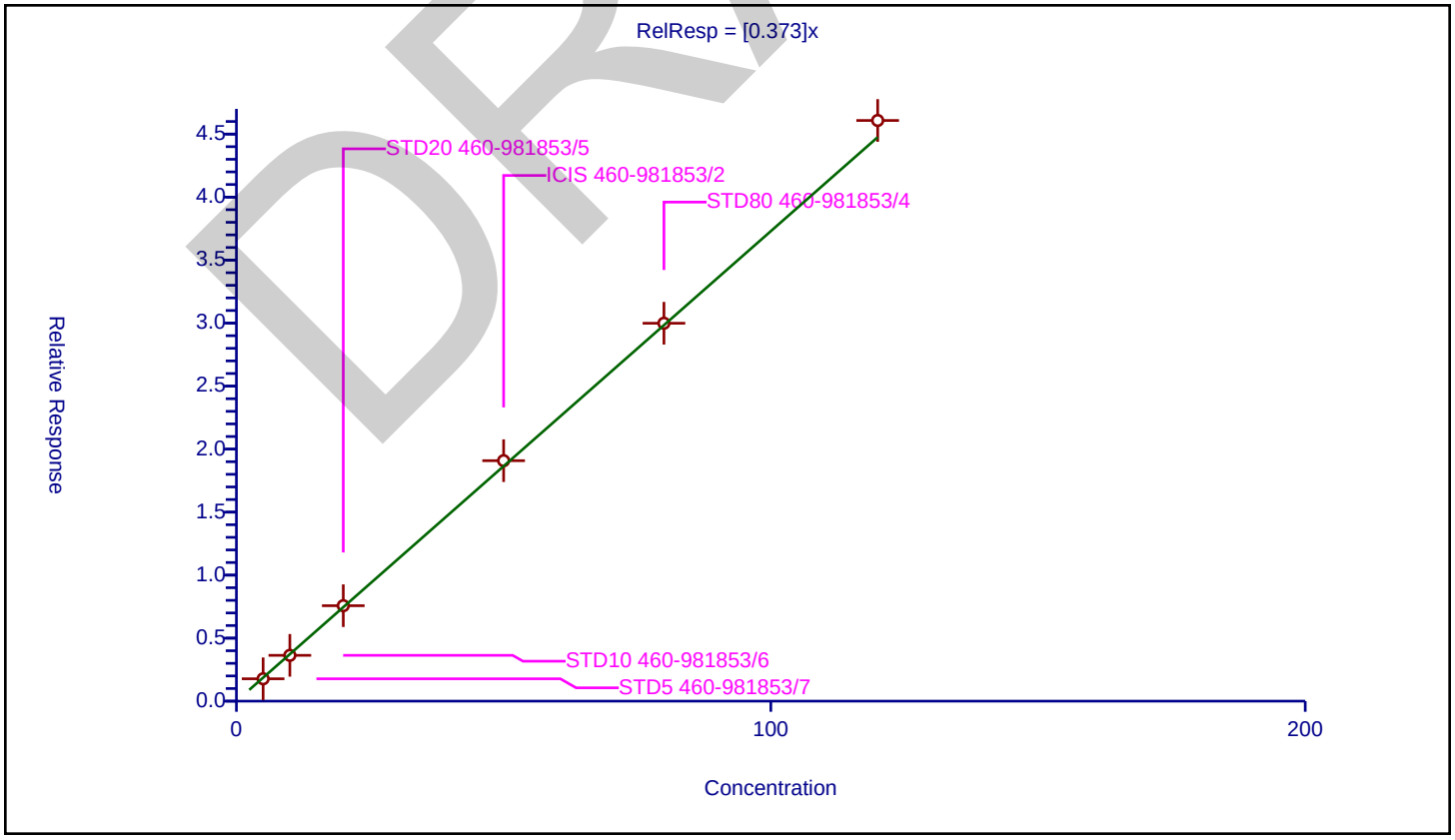
Curve Coefficients

Intercept:	0
Slope:	0.373

Error Coefficients

Relative Standard Deviation:	3.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	1.77477	40.0	419953.0	0.354954	Y
2	STD10 460-981853/6	10.0	3.635283	40.0	400607.0	0.363528	Y
3	STD20 460-981853/5	20.0	7.574063	40.0	389804.0	0.378703	Y
4	ICIS 460-981853/2	50.0	19.082502	40.0	370486.0	0.38165	Y
5	STD80 460-981853/4	80.0	29.989584	40.0	398409.0	0.37487	Y
6	STD120 460-981853/3	120.0	46.080267	40.0	374523.0	0.384002	Y



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Calibration / 3,5-di-tert-butyl-4-hydroxytol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

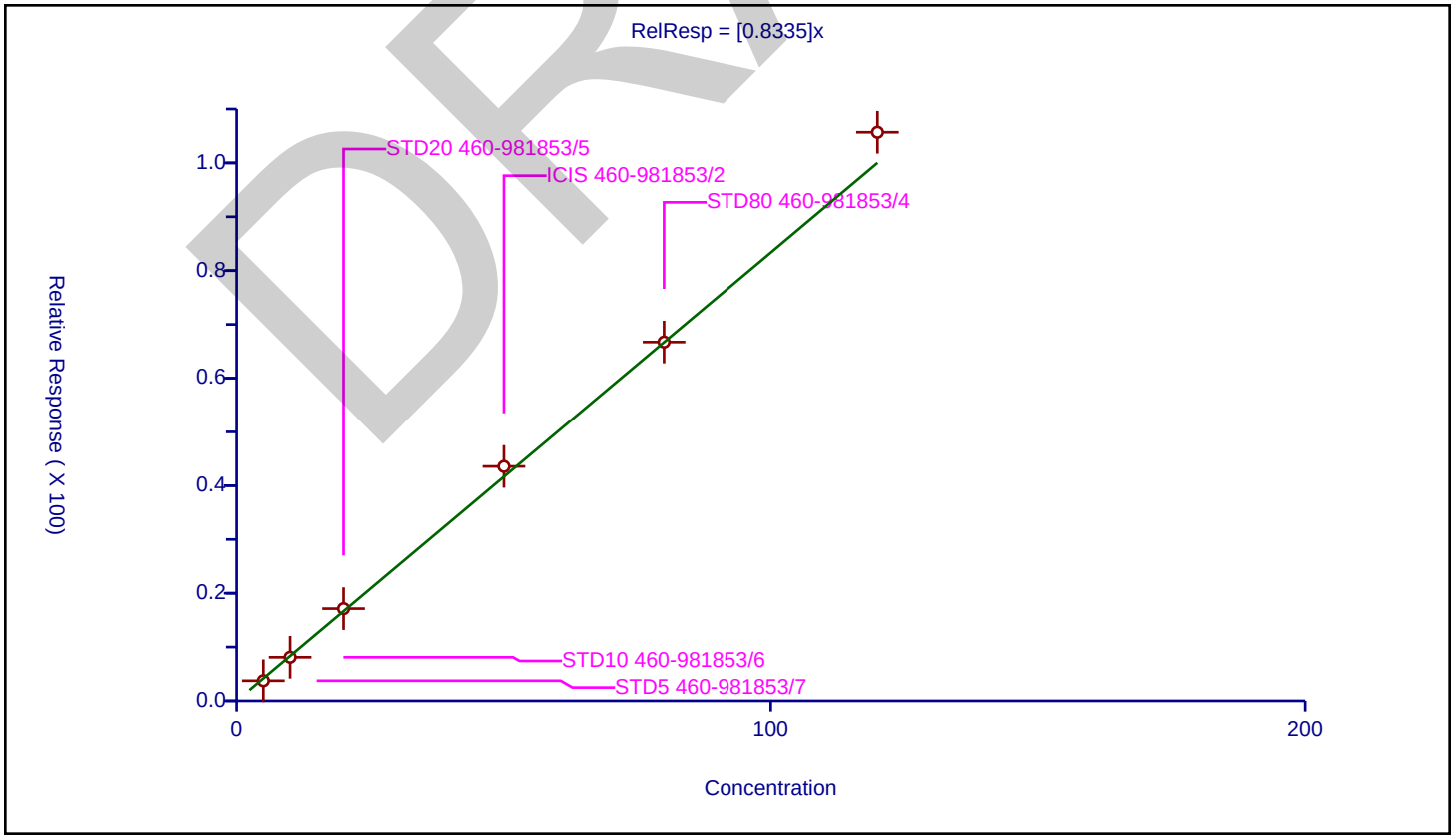
Curve Coefficients

Intercept:	0
Slope:	0.8335

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	3.73718	40.0	419953.0	0.747436	Y
2	STD10 460-981853/6	10.0	8.100208	40.0	400607.0	0.810021	Y
3	STD20 460-981853/5	20.0	17.140717	40.0	389804.0	0.857036	Y
4	ICIS 460-981853/2	50.0	43.576815	40.0	370486.0	0.871536	Y
5	STD80 460-981853/4	80.0	66.719477	40.0	398409.0	0.833993	Y
6	STD120 460-981853/3	120.0	105.693375	40.0	374523.0	0.880778	Y



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Calibration / Acenaphthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

Curve Coefficients

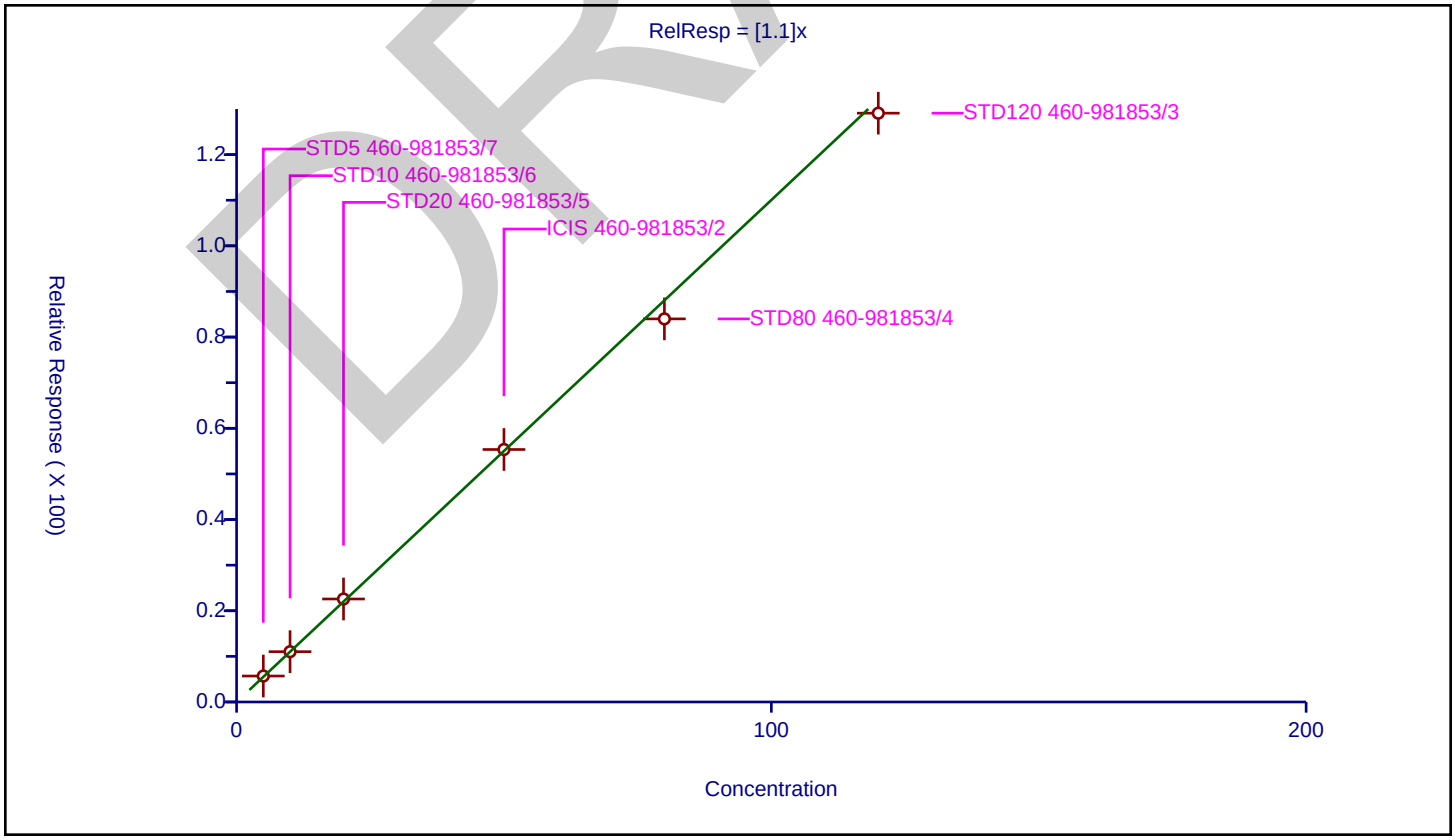
Intercept:	0
Slope:	1.1

Error Coefficients

Relative Standard Deviation:	3.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	5.69197	40.0	419953.0	1.138394	Y
2	STD10 460-981853/6	10.0	11.029563	40.0	400607.0	1.102956	Y
3	STD20 460-981853/5	20.0	22.580271	40.0	389804.0	1.129014	Y
4	ICIS 460-981853/2	50.0	55.352267	40.0	370486.0	1.107045	Y
5	STD80 460-981853/4	80.0	83.989769	40.0	398409.0	1.049872	Y
6	STD120 460-981853/3	120.0	129.08537	40.0	374523.0	1.075711	Y

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Calibration / 2,4-Dinitrophenol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

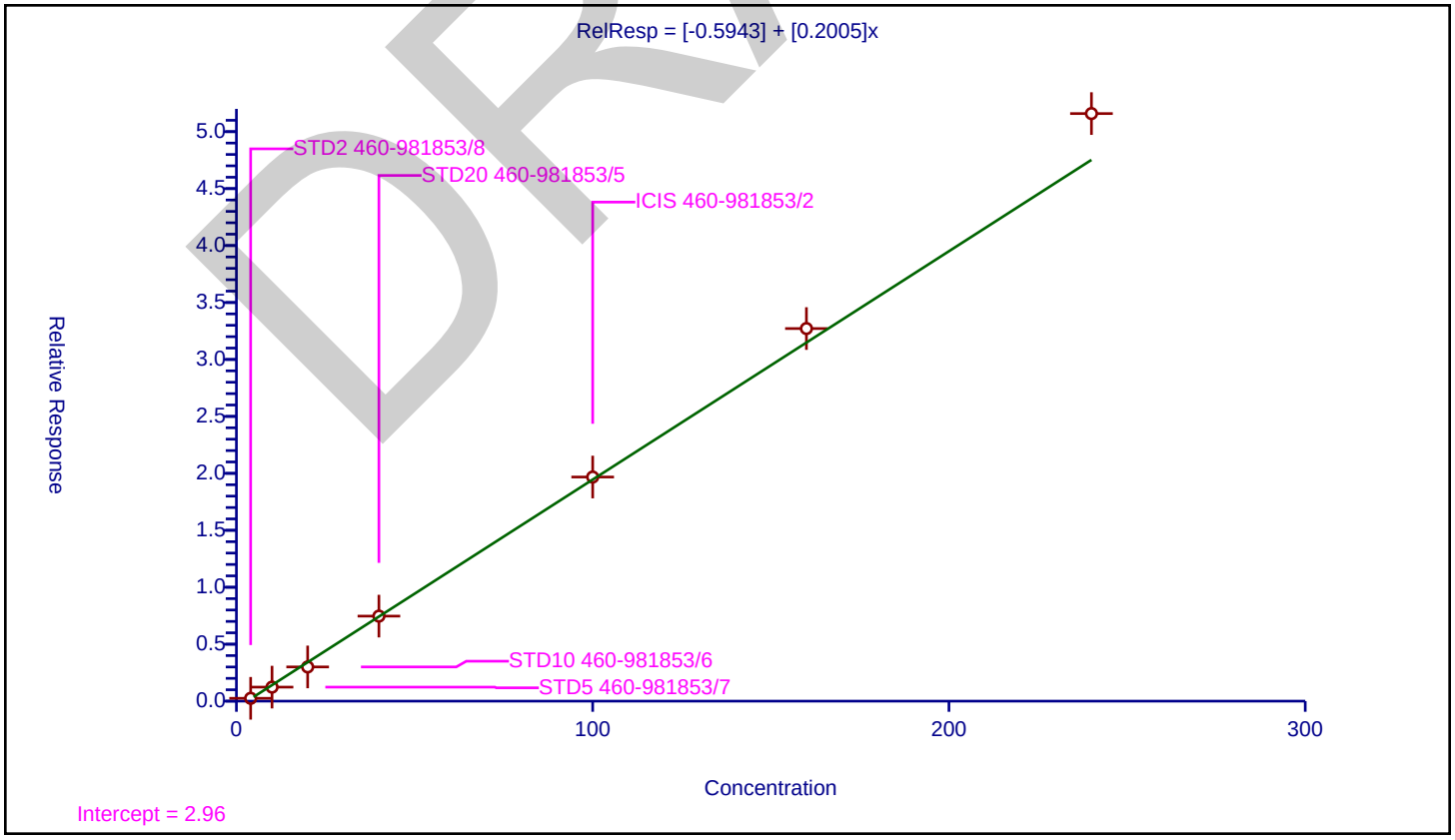
Curve Coefficients

Intercept:	-0.5943
Slope:	0.2005

Error Coefficients

Relative Standard Deviation:	7.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 460-981853/8	4.0	0.2501	40.0	399840.0	0.062525	Y
2	STD5 460-981853/7	10.0	1.230995	40.0	419953.0	0.123099	Y
3	STD10 460-981853/6	20.0	3.003742	40.0	400607.0	0.150187	Y
4	STD20 460-981853/5	40.0	7.466316	40.0	389804.0	0.186658	Y
5	ICIS 460-981853/2	100.0	19.676641	40.0	370486.0	0.196766	Y
6	STD80 460-981853/4	160.0	32.714924	40.0	398409.0	0.204468	Y
7	STD120 460-981853/3	240.0	51.58786	40.0	374523.0	0.214949	Y



DRAFT

Calibration / 4-Nitrophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

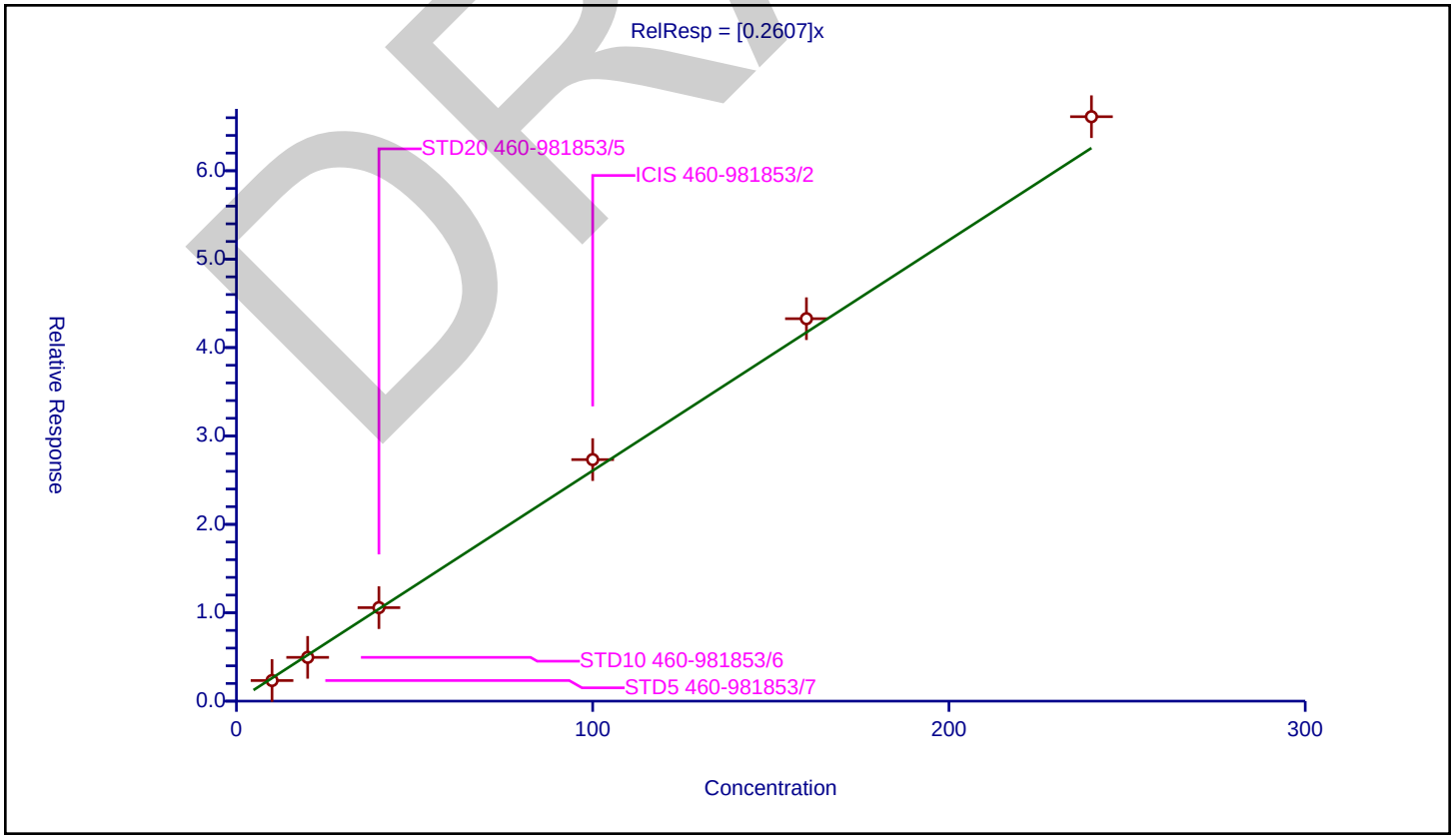
Curve Coefficients

Intercept:	0
Slope:	0.2607

Error Coefficients

Relative Standard Deviation:	6.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	10.0	2.331785	40.0	419953.0	0.233178	Y
2	STD10 460-981853/6	20.0	4.952085	40.0	400607.0	0.247604	Y
3	STD20 460-981853/5	40.0	10.578239	40.0	389804.0	0.264456	Y
4	ICIS 460-981853/2	100.0	27.324649	40.0	370486.0	0.273246	Y
5	STD80 460-981853/4	160.0	43.264585	40.0	398409.0	0.270404	Y
6	STD120 460-981853/3	240.0	66.116313	40.0	374523.0	0.275485	Y



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Calibration / Dibenzofuran

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

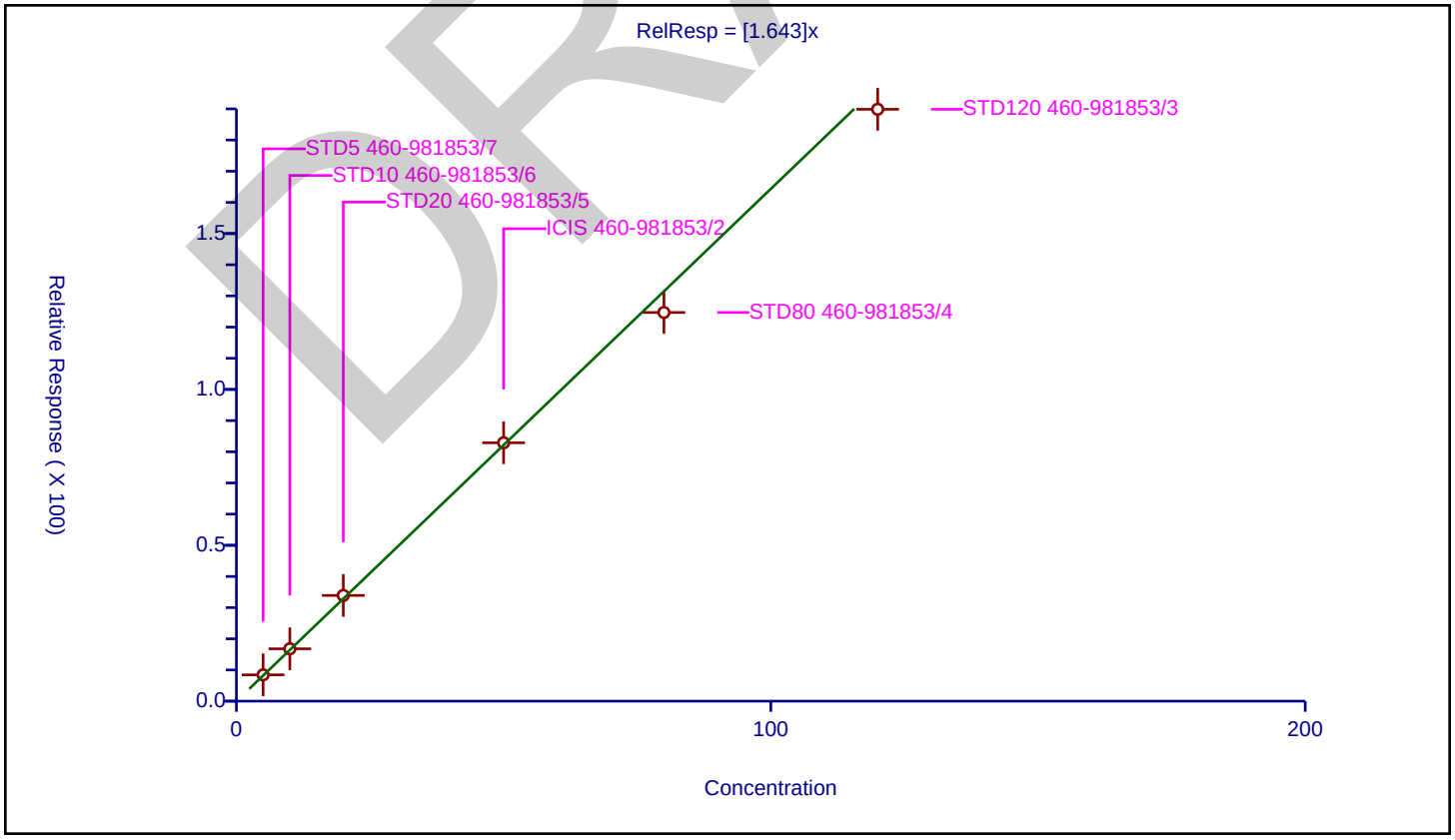
Curve Coefficients

Intercept:	0
Slope:	1.643

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	8.435134	40.0	419953.0	1.687027	Y
2	STD10 460-981853/6	10.0	16.79062	40.0	400607.0	1.679062	Y
3	STD20 460-981853/5	20.0	33.908015	40.0	389804.0	1.695401	Y
4	ICIS 460-981853/2	50.0	82.891661	40.0	370486.0	1.657833	Y
5	STD80 460-981853/4	80.0	124.683027	40.0	398409.0	1.558538	Y
6	STD120 460-981853/3	120.0	189.875869	40.0	374523.0	1.582299	Y



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Calibration / 2,4-Dinitrotoluene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

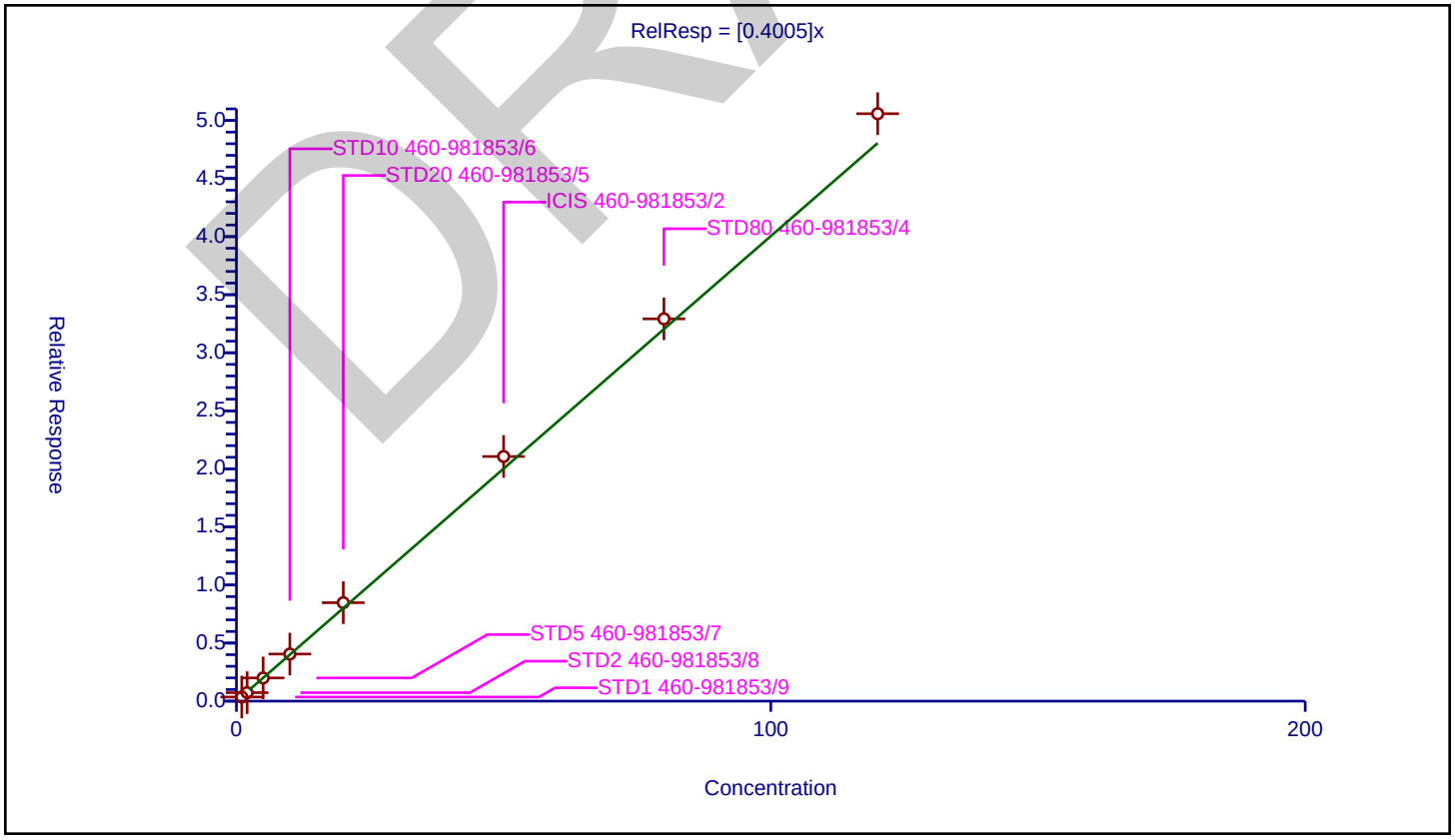
Curve Coefficients

Intercept:	0
Slope:	0.4005

Error Coefficients

Relative Standard Deviation:	6.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-981853/9	1.0	0.354409	40.0	388816.0	0.354409	Y
2	STD2 460-981853/8	2.0	0.731493	40.0	399840.0	0.365746	Y
3	STD5 460-981853/7	5.0	1.997557	40.0	419953.0	0.399511	Y
4	STD10 460-981853/6	10.0	4.056944	40.0	400607.0	0.405694	Y
5	STD20 460-981853/5	20.0	8.478312	40.0	389804.0	0.423916	Y
6	ICIS 460-981853/2	50.0	21.066167	40.0	370486.0	0.421323	Y
7	STD80 460-981853/4	80.0	32.919638	40.0	398409.0	0.411495	Y
8	STD120 460-981853/3	120.0	50.585198	40.0	374523.0	0.421543	Y



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Calibration / 2,3,4,6-Tetrachlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

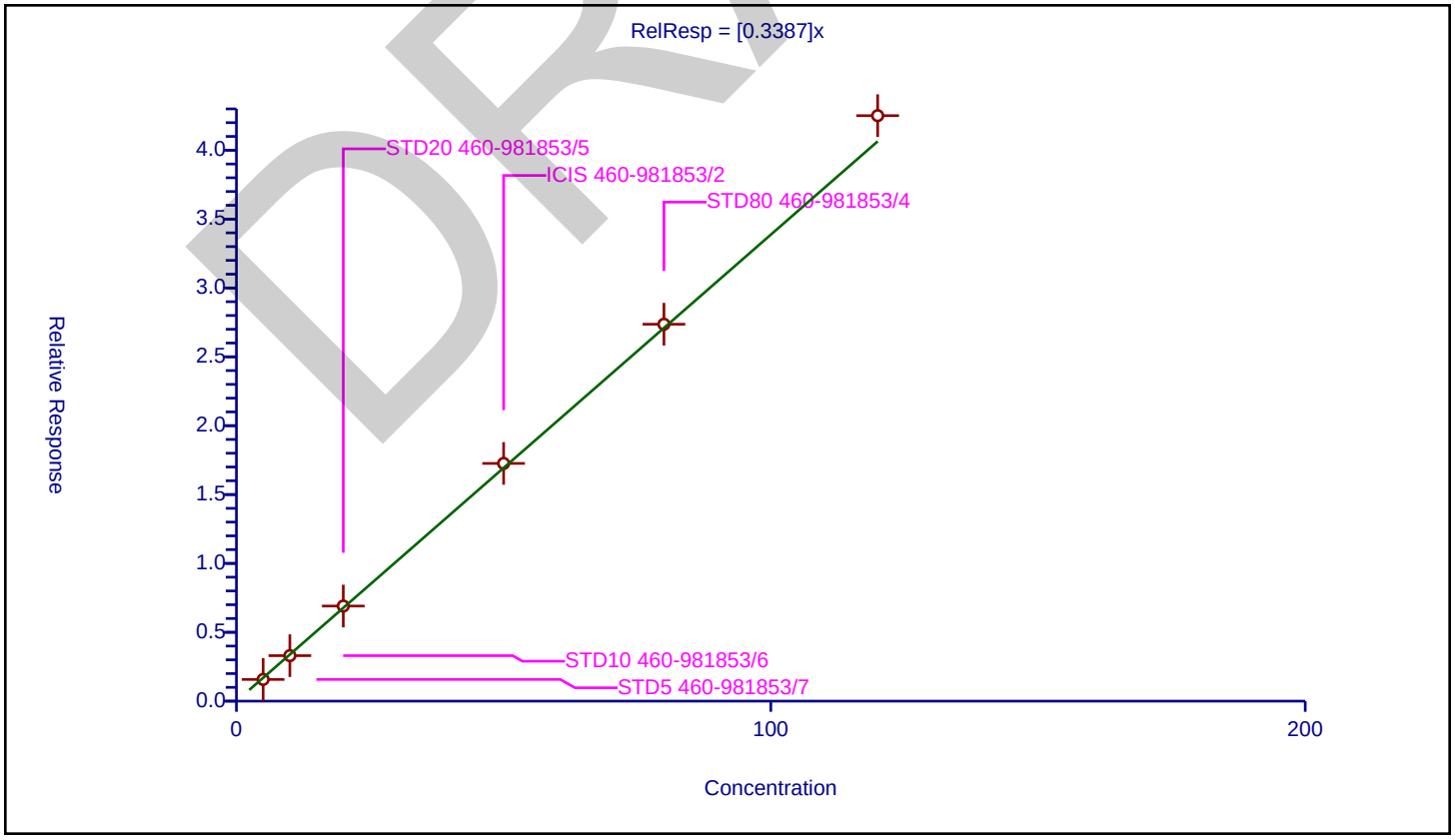
Curve Coefficients

Intercept:	0
Slope:	0.3387

Error Coefficients

Relative Standard Deviation:	4.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	1.575795	40.0	419953.0	0.315159	Y
2	STD10 460-981853/6	10.0	3.302189	40.0	400607.0	0.330219	Y
3	STD20 460-981853/5	20.0	6.904496	40.0	389804.0	0.345225	Y
4	ICIS 460-981853/2	50.0	17.259815	40.0	370486.0	0.345196	Y
5	STD80 460-981853/4	80.0	27.365546	40.0	398409.0	0.342069	Y
6	STD120 460-981853/3	120.0	42.509325	40.0	374523.0	0.354244	Y



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Calibration / n-Octadecane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

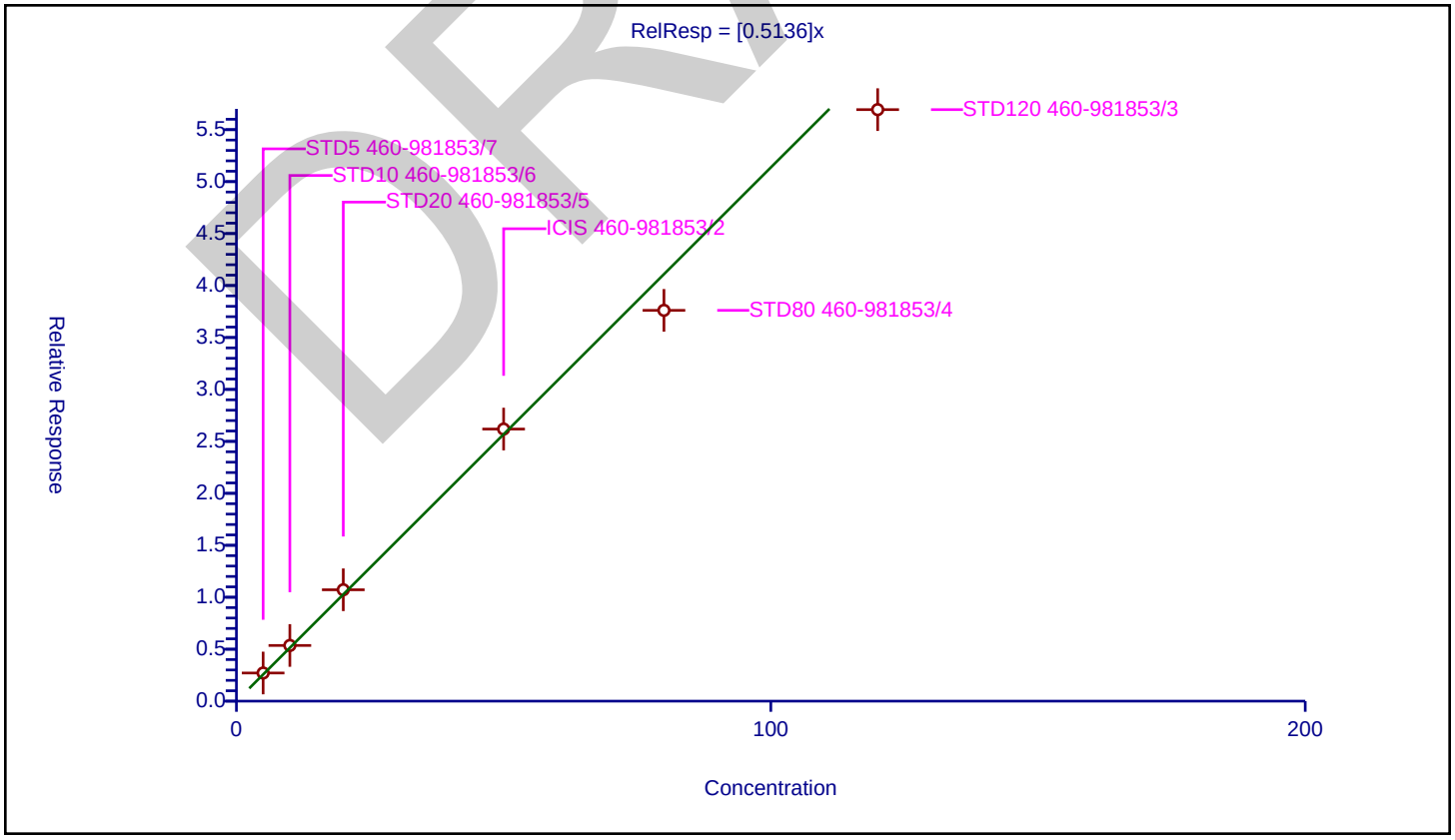
Curve Coefficients

Intercept:	0
Slope:	0.5136

Error Coefficients

Relative Standard Deviation:	6.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	2.707591	40.0	758401.0	0.541518	Y
2	STD10 460-981853/6	10.0	5.359746	40.0	732363.0	0.535975	Y
3	STD20 460-981853/5	20.0	10.7186	40.0	722363.0	0.53593	Y
4	ICIS 460-981853/2	50.0	26.185141	40.0	682581.0	0.523703	Y
5	STD80 460-981853/4	80.0	37.61164	40.0	746102.0	0.470146	Y
6	STD120 460-981853/3	120.0	56.928292	40.0	696186.0	0.474402	Y



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Calibration / Diethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

Curve Coefficients

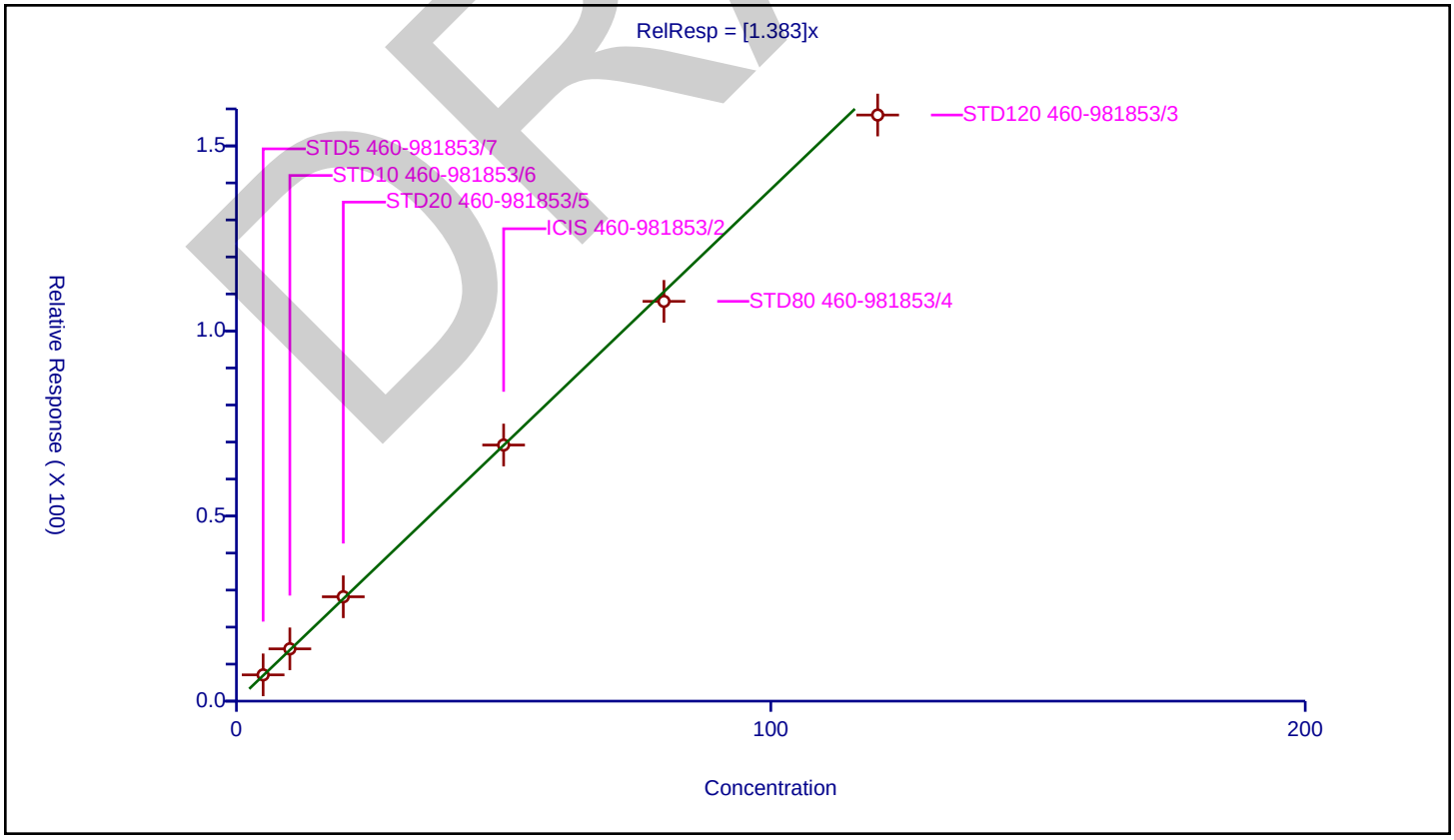
Intercept:	0
Slope:	1.383

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	7.094794	40.0	419953.0	1.418959	Y
2	STD10 460-981853/6	10.0	14.127661	40.0	400607.0	1.412766	Y
3	STD20 460-981853/5	20.0	28.195606	40.0	389804.0	1.40978	Y
4	ICIS 460-981853/2	50.0	69.194086	40.0	370486.0	1.383882	Y
5	STD80 460-981853/4	80.0	108.00509	40.0	398409.0	1.350064	Y
6	STD120 460-981853/3	120.0	158.347872	40.0	374523.0	1.319566	Y

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Calibration / Fluorene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

Curve Coefficients

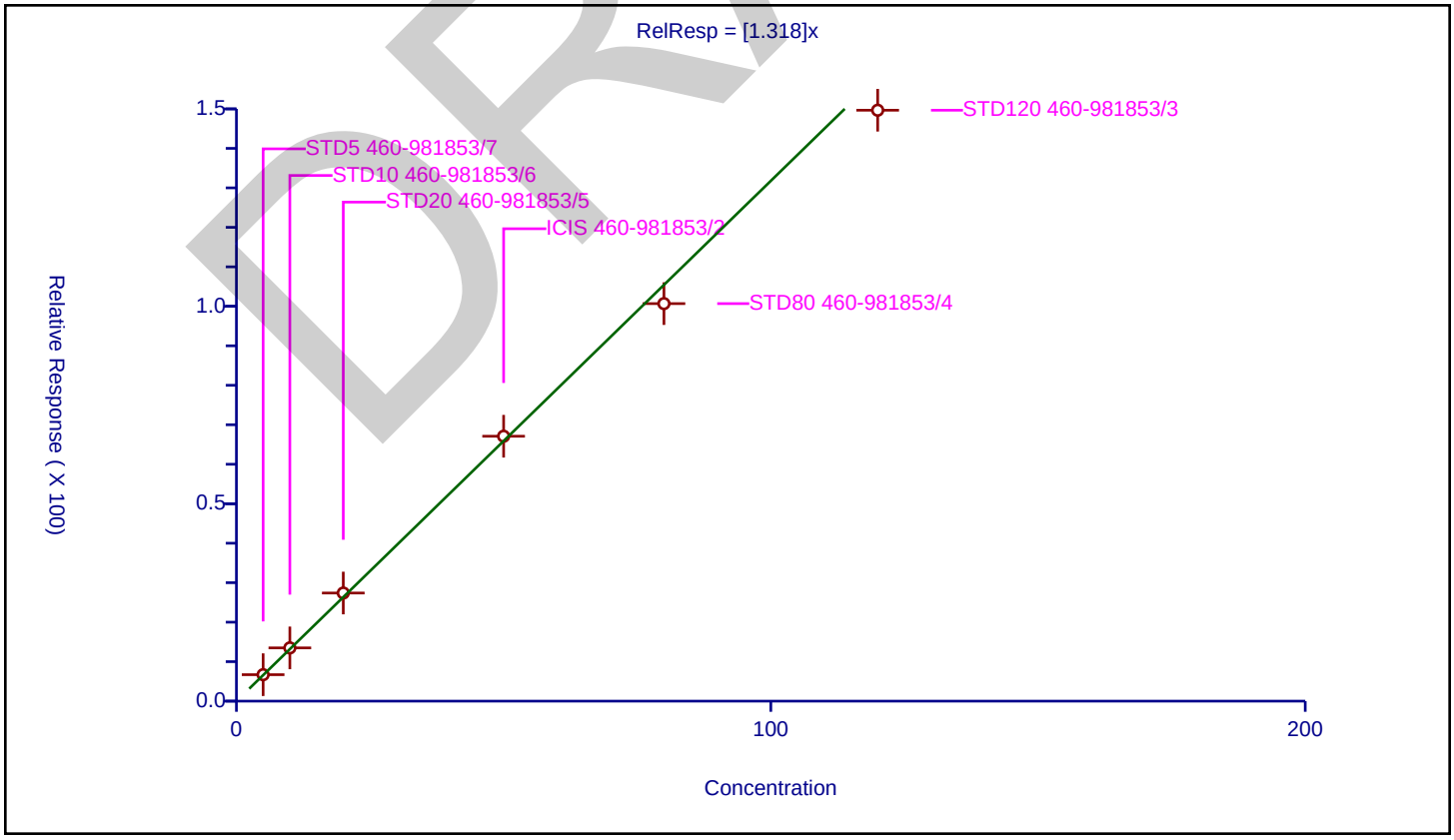
Intercept:	0
Slope:	1.318

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	6.70475	40.0	419953.0	1.34095	Y
2	STD10 460-981853/6	10.0	13.485935	40.0	400607.0	1.348594	Y
3	STD20 460-981853/5	20.0	27.385147	40.0	389804.0	1.369257	Y
4	ICIS 460-981853/2	50.0	67.094789	40.0	370486.0	1.341896	Y
5	STD80 460-981853/4	80.0	100.680356	40.0	398409.0	1.258504	Y
6	STD120 460-981853/3	120.0	149.660128	40.0	374523.0	1.247168	Y

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Calibration / 4-Chlorophenyl phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

Curve Coefficients

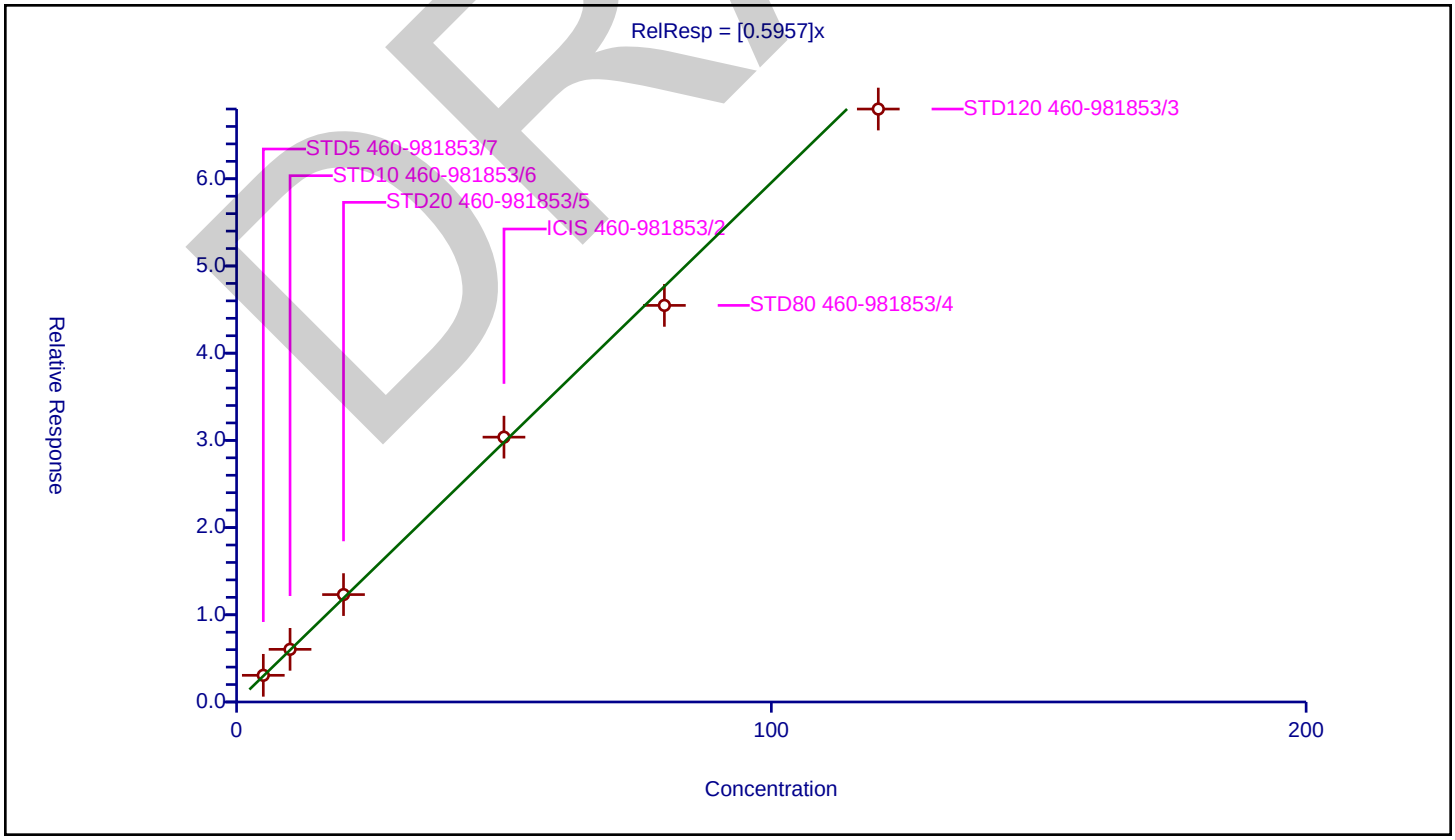
Intercept:	0
Slope:	0.5957

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	3.059961	40.0	419953.0	0.611992	Y
2	STD10 460-981853/6	10.0	6.037338	40.0	400607.0	0.603734	Y
3	STD20 460-981853/5	20.0	12.314804	40.0	389804.0	0.61574	Y
4	ICIS 460-981853/2	50.0	30.369515	40.0	370486.0	0.60739	Y
5	STD80 460-981853/4	80.0	45.479896	40.0	398409.0	0.568499	Y
6	STD120 460-981853/3	120.0	67.99796	40.0	374523.0	0.56665	Y

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Calibration / 4-Nitroaniline

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

Curve Coefficients

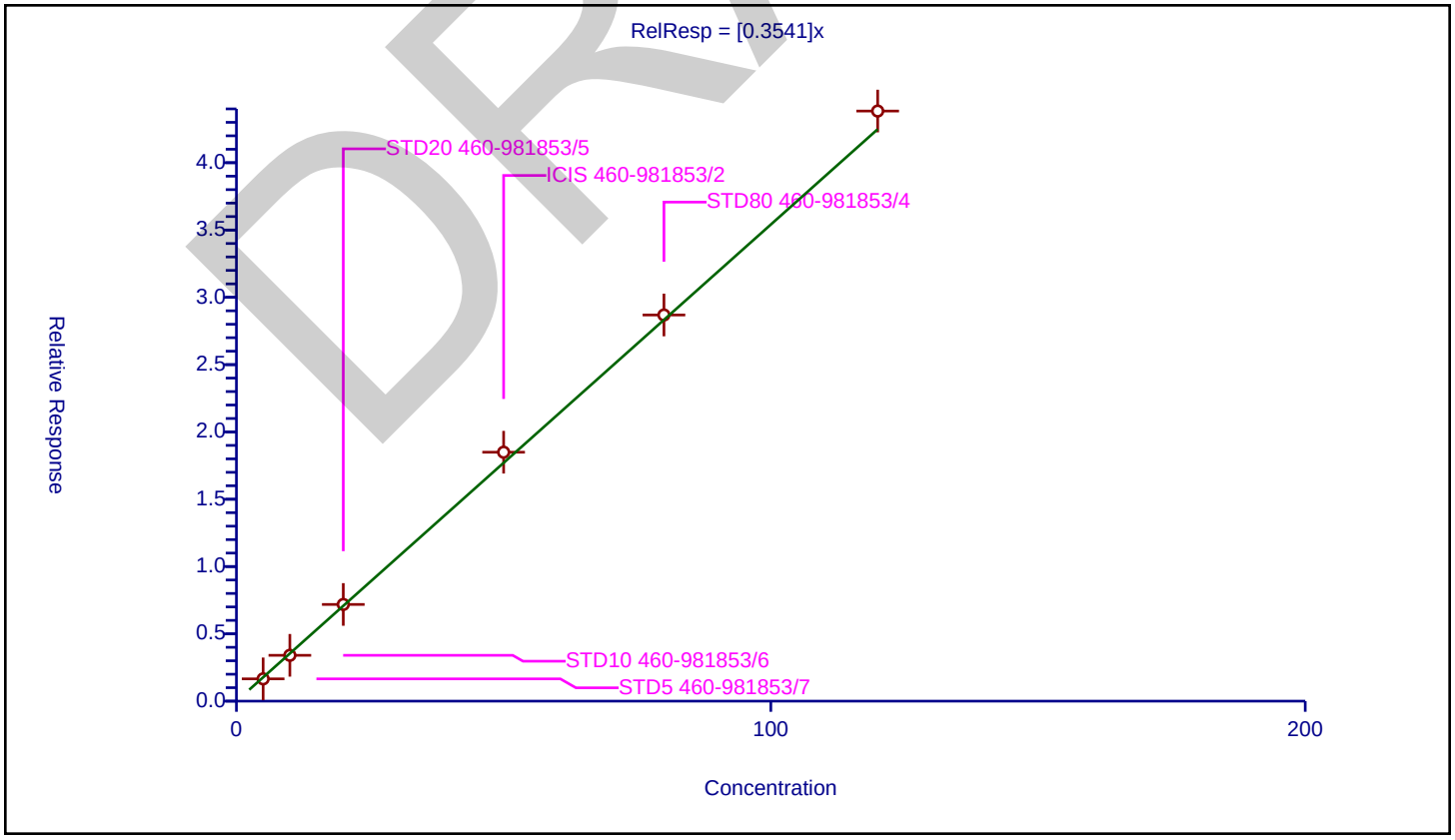
Intercept:	0
Slope:	0.3541

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	1.654757	40.0	419953.0	0.330951	Y
2	STD10 460-981853/6	10.0	3.405332	40.0	400607.0	0.340533	Y
3	STD20 460-981853/5	20.0	7.1832	40.0	389804.0	0.35916	Y
4	ICIS 460-981853/2	50.0	18.49495	40.0	370486.0	0.369899	Y
5	STD80 460-981853/4	80.0	28.687605	40.0	398409.0	0.358595	Y
6	STD120 460-981853/3	120.0	43.840298	40.0	374523.0	0.365336	Y

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Calibration / 4,6-Dinitro-2-methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

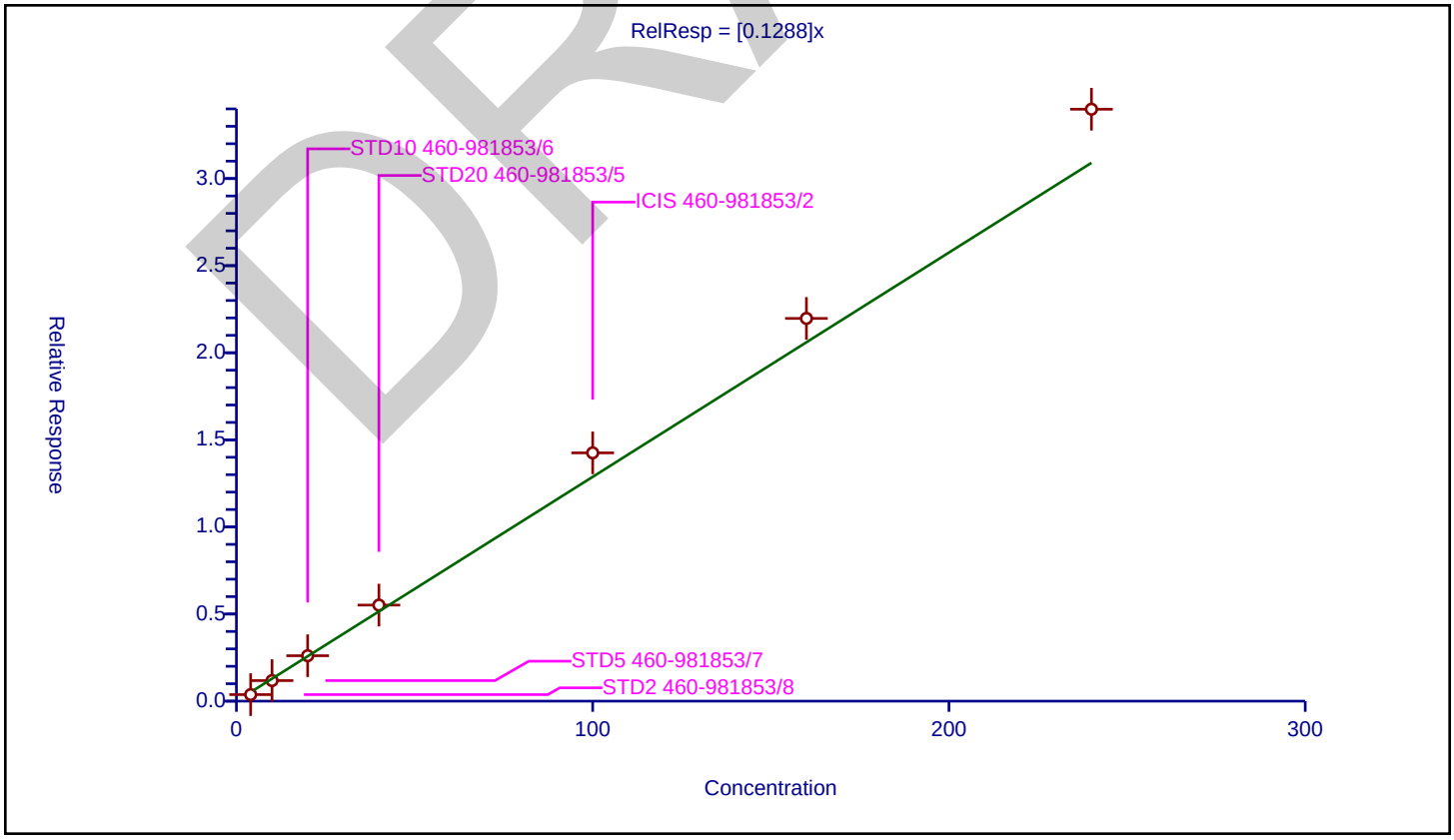
Curve Coefficients

Intercept:	0
Slope:	0.1288

Error Coefficients

Relative Standard Deviation:	13.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 460-981853/8	4.0	0.374738	40.0	736621.0	0.093685	Y
2	STD5 460-981853/7	10.0	1.179482	40.0	758401.0	0.117948	Y
3	STD10 460-981853/6	20.0	2.608488	40.0	732363.0	0.130424	Y
4	STD20 460-981853/5	40.0	5.513848	40.0	722363.0	0.137846	Y
5	ICIS 460-981853/2	100.0	14.252492	40.0	682581.0	0.142525	Y
6	STD80 460-981853/4	160.0	21.971259	40.0	746102.0	0.13732	Y
7	STD120 460-981853/3	240.0	33.980402	40.0	696186.0	0.141585	Y



DRAFT

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

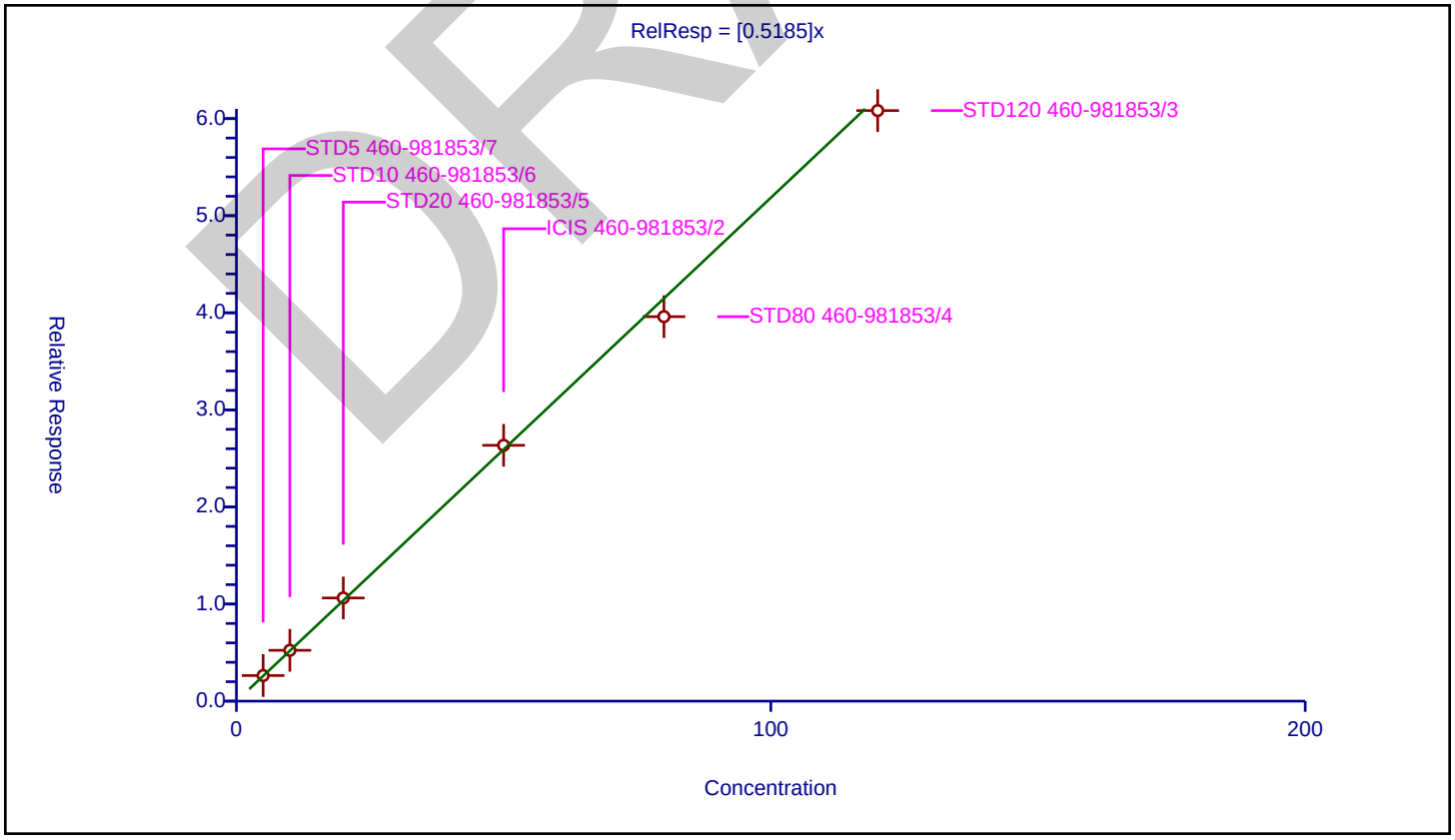
Curve Coefficients

Intercept:	0
Slope:	0.5185

Error Coefficients

Relative Standard Deviation:	2.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	2.636231	40.0	758401.0	0.527246	Y
2	STD10 460-981853/6	10.0	5.23489	40.0	732363.0	0.523489	Y
3	STD20 460-981853/5	20.0	10.625572	40.0	722363.0	0.531279	Y
4	ICIS 460-981853/2	50.0	26.349342	40.0	682581.0	0.526987	Y
5	STD80 460-981853/4	80.0	39.600162	40.0	746102.0	0.495002	Y
6	STD120 460-981853/3	120.0	60.824607	40.0	696186.0	0.506872	Y



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Calibration / 1,2-Diphenylhydrazine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

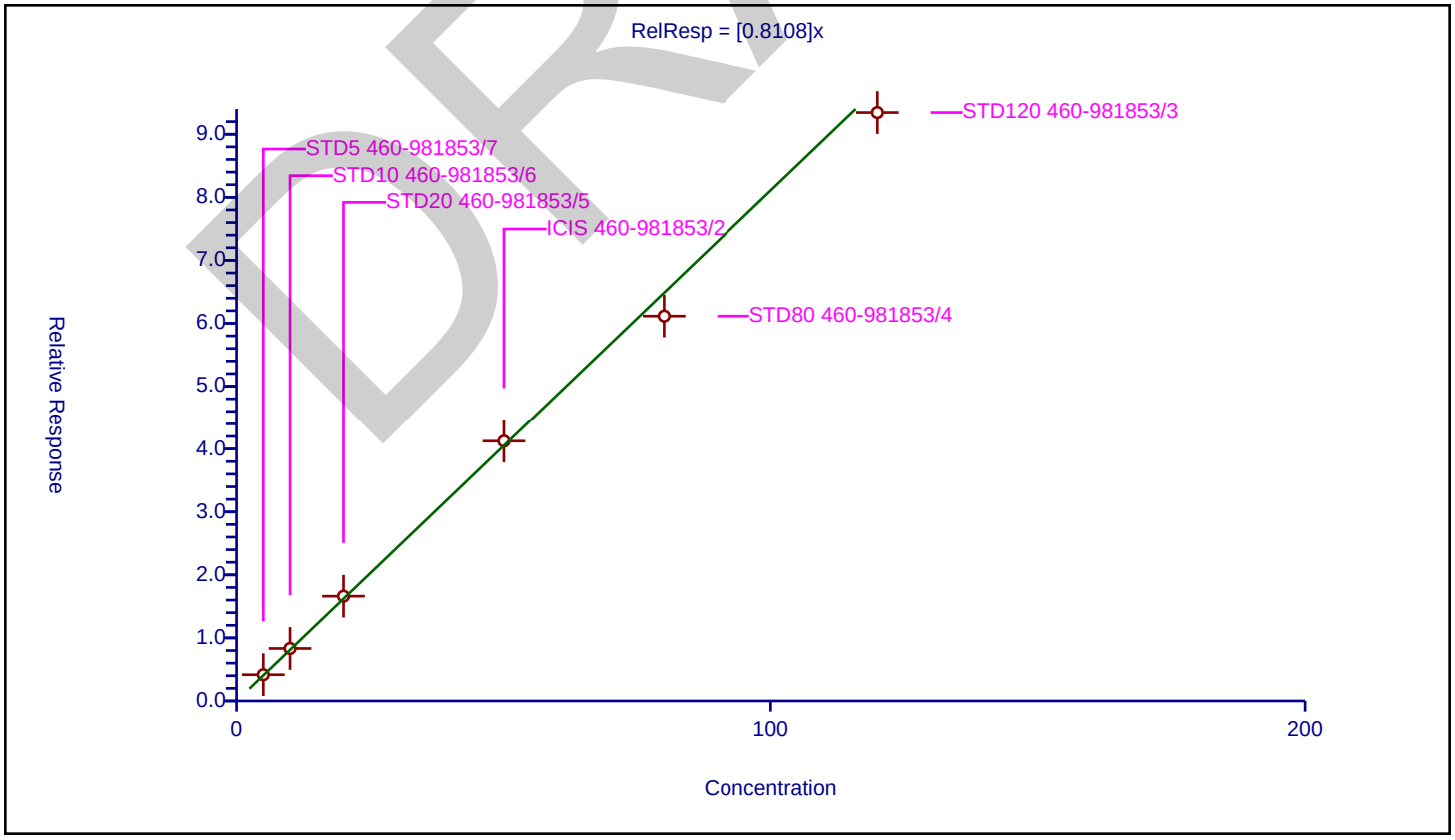
Curve Coefficients

Intercept:	0
Slope:	0.8108

Error Coefficients

Relative Standard Deviation:	3.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	4.166767	40.0	758401.0	0.833353	Y
2	STD10 460-981853/6	10.0	8.32538	40.0	732363.0	0.832538	Y
3	STD20 460-981853/5	20.0	16.620674	40.0	722363.0	0.831034	Y
4	ICIS 460-981853/2	50.0	41.250958	40.0	682581.0	0.825019	Y
5	STD80 460-981853/4	80.0	61.154266	40.0	746102.0	0.764428	Y
6	STD120 460-981853/3	120.0	93.437443	40.0	696186.0	0.778645	Y



DRAFT

Calibration / Azobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

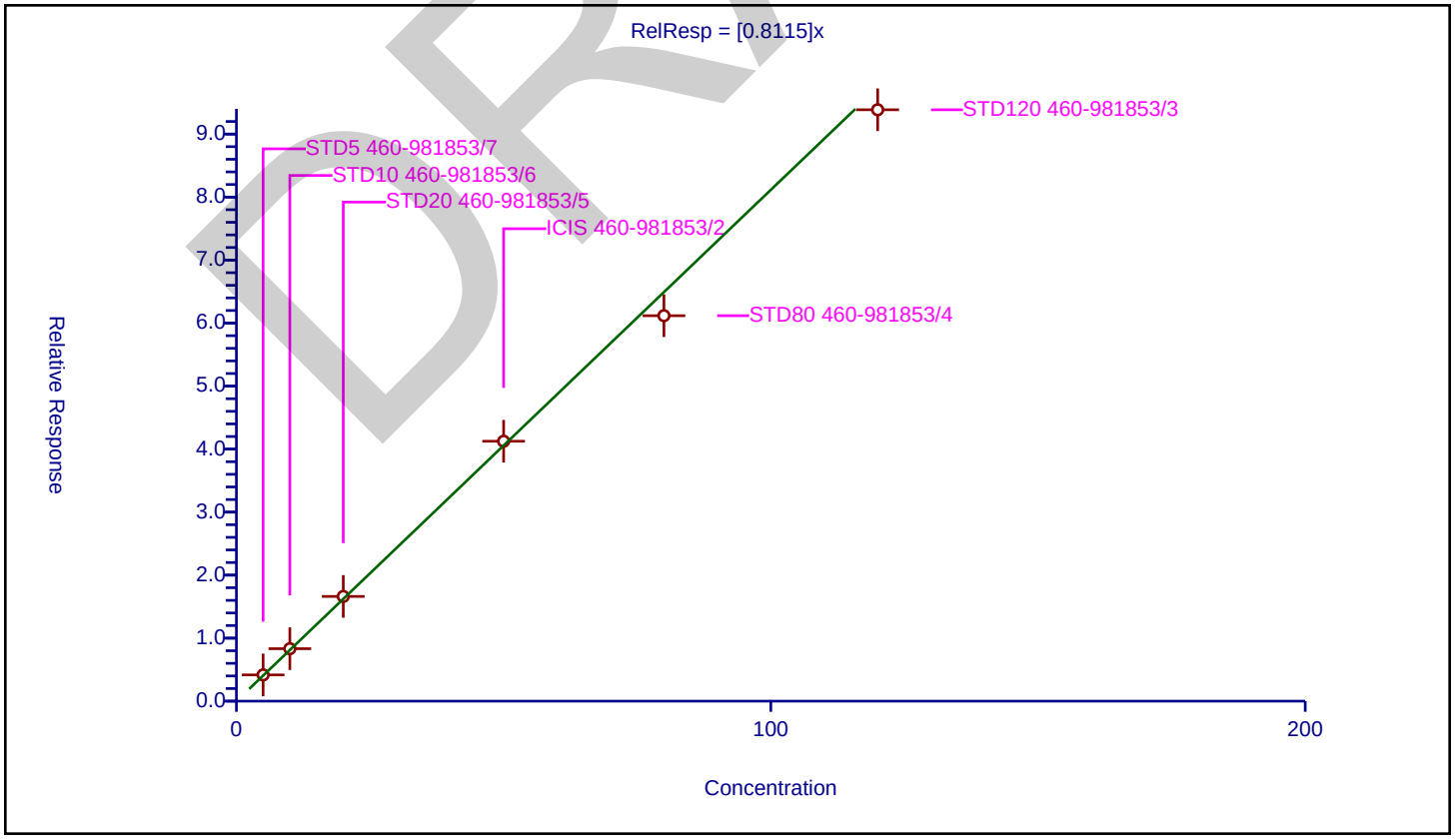
Curve Coefficients

Intercept:	0
Slope:	0.8115

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	4.166767	40.0	758401.0	0.833353	Y
2	STD10 460-981853/6	10.0	8.32538	40.0	732363.0	0.832538	Y
3	STD20 460-981853/5	20.0	16.620674	40.0	722363.0	0.831034	Y
4	ICIS 460-981853/2	50.0	41.251368	40.0	682581.0	0.825027	Y
5	STD80 460-981853/4	80.0	61.175979	40.0	746102.0	0.7647	Y
6	STD120 460-981853/3	120.0	93.860951	40.0	696186.0	0.782175	Y



DRAFT

Calibration / 2,4,6-Tribromophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

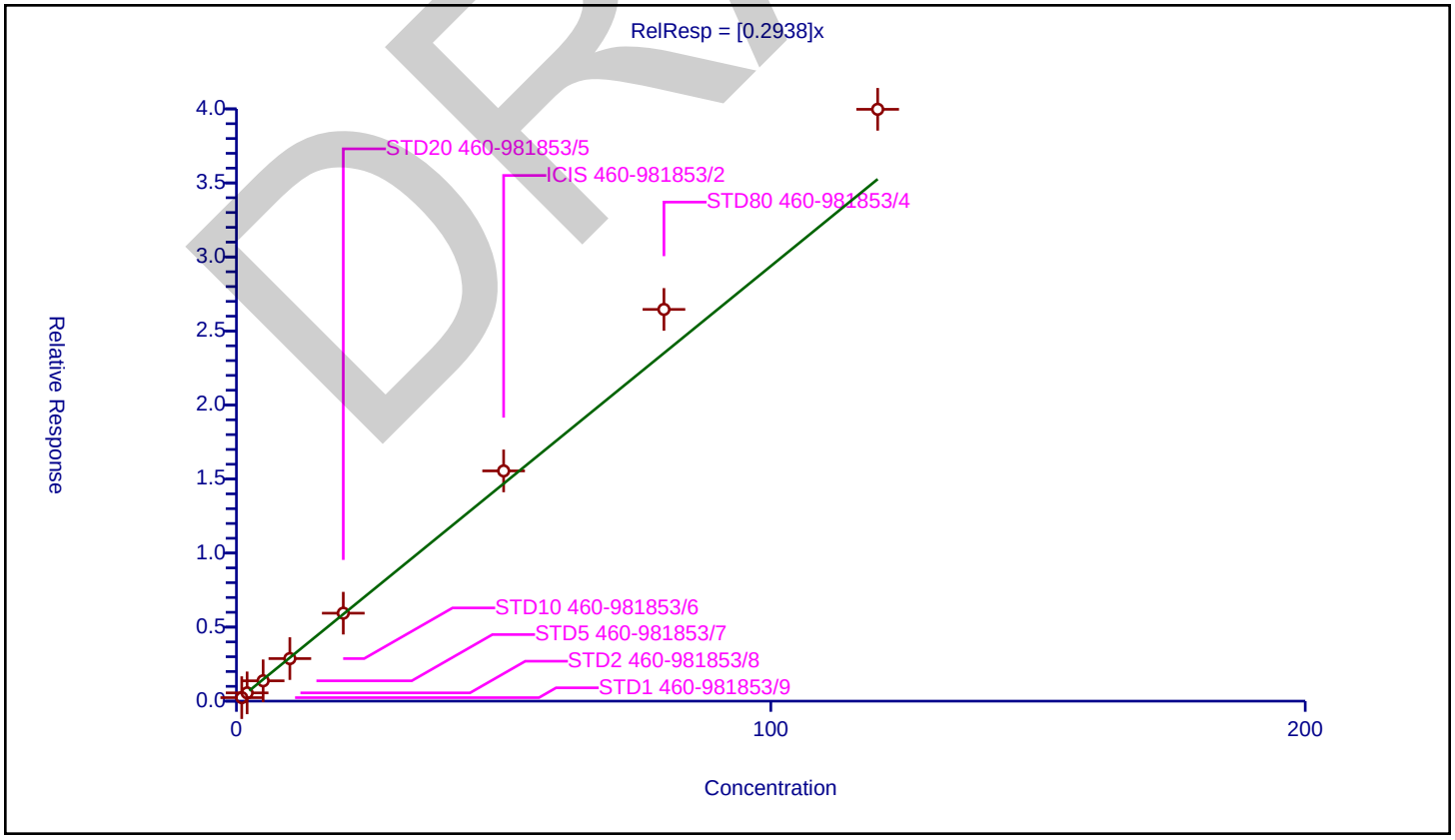
Curve Coefficients

Intercept:	0
Slope:	0.2938

Error Coefficients

Relative Standard Deviation:	10.8

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-981853/9	1.0	0.237233	40.0	388816.0	0.237233	Y
2	STD2 460-981853/8	2.0	0.558423	40.0	399840.0	0.279212	Y
3	STD5 460-981853/7	5.0	1.374059	40.0	419953.0	0.274812	Y
4	STD10 460-981853/6	10.0	2.87314	40.0	400607.0	0.287314	Y
5	STD20 460-981853/5	20.0	5.941447	40.0	389804.0	0.297072	Y
6	ICIS 460-981853/2	50.0	15.550169	40.0	370486.0	0.311003	Y
7	STD80 460-981853/4	80.0	26.456732	40.0	398409.0	0.330709	Y
8	STD120 460-981853/3	120.0	39.971911	40.0	374523.0	0.333099	Y



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Calibration / 4-Bromophenyl phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

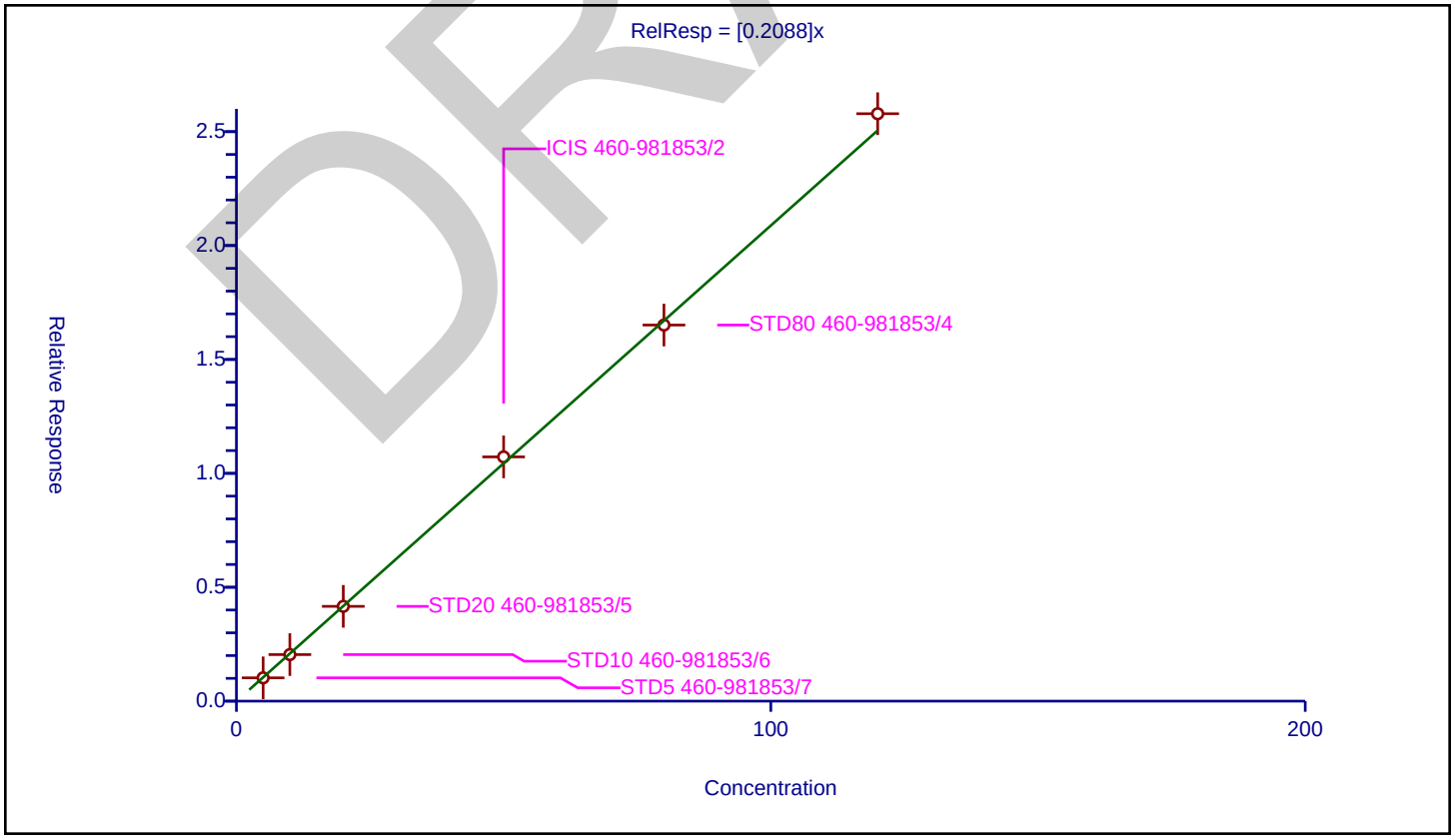
Curve Coefficients

Intercept:	0
Slope:	0.2088

Error Coefficients

Relative Standard Deviation:	2.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	1.022889	40.0	758401.0	0.204578	Y
2	STD10 460-981853/6	10.0	2.043194	40.0	732363.0	0.204319	Y
3	STD20 460-981853/5	20.0	4.160844	40.0	722363.0	0.208042	Y
4	ICIS 460-981853/2	50.0	10.723064	40.0	682581.0	0.214461	Y
5	STD80 460-981853/4	80.0	16.510879	40.0	746102.0	0.206386	Y
6	STD120 460-981853/3	120.0	25.788223	40.0	696186.0	0.214902	Y



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Calibration / Hexachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

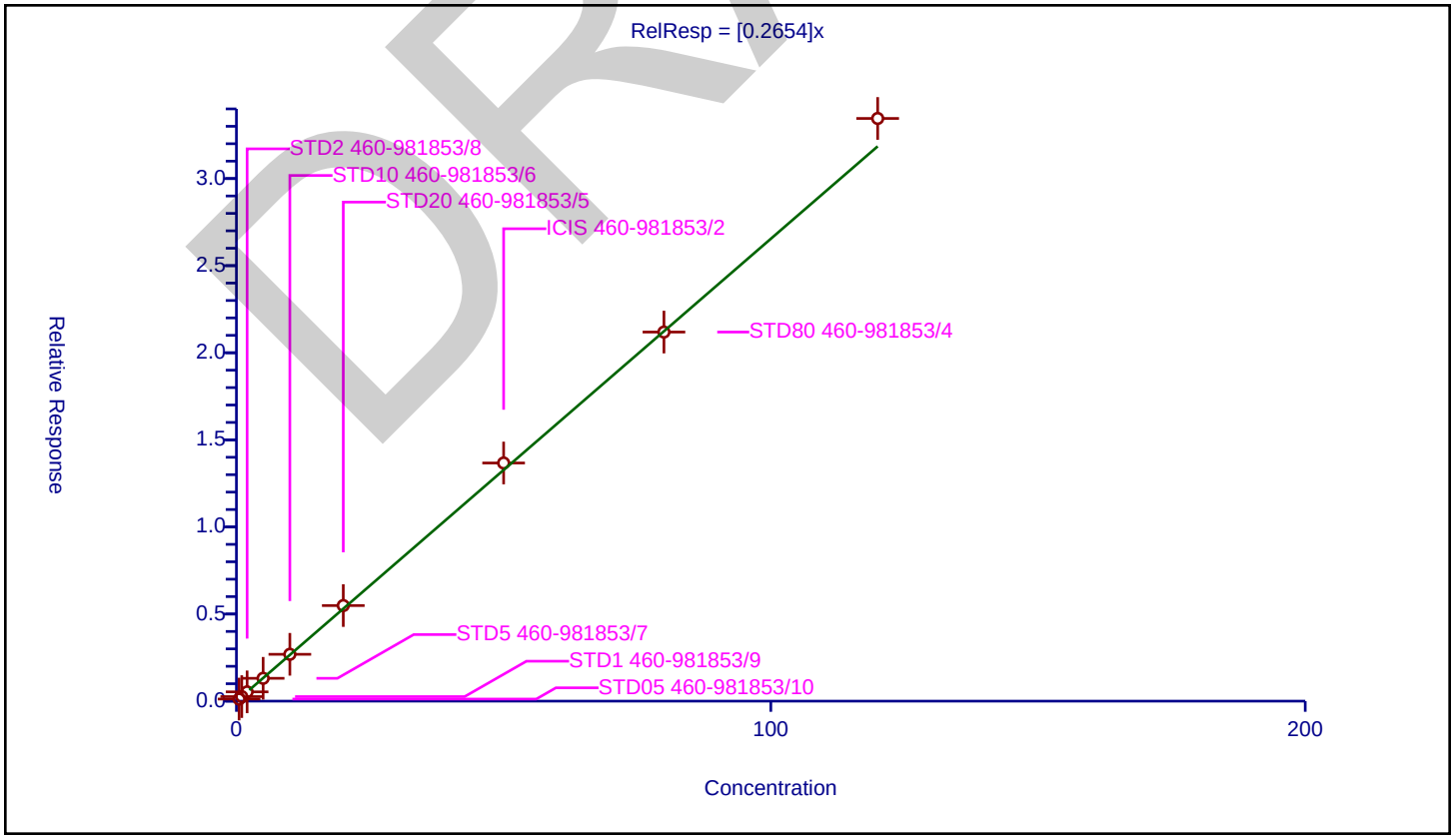
Curve Coefficients

Intercept:	0
Slope:	0.2654

Error Coefficients

Relative Standard Deviation:	4.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD05 460-981853/10	0.5	0.119834	40.0	733680.0	0.239669	Y
2	STD1 460-981853/9	1.0	0.260527	40.0	709639.0	0.260527	Y
3	STD2 460-981853/8	2.0	0.532105	40.0	736621.0	0.266053	Y
4	STD5 460-981853/7	5.0	1.311443	40.0	758401.0	0.262289	Y
5	STD10 460-981853/6	10.0	2.688776	40.0	732363.0	0.268878	Y
6	STD20 460-981853/5	20.0	5.486826	40.0	722363.0	0.274341	Y
7	ICIS 460-981853/2	50.0	13.670993	40.0	682581.0	0.27342	Y
8	STD80 460-981853/4	80.0	21.188577	40.0	746102.0	0.264857	Y
9	STD120 460-981853/3	120.0	33.450371	40.0	696186.0	0.278753	Y



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Calibration / Atrazine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

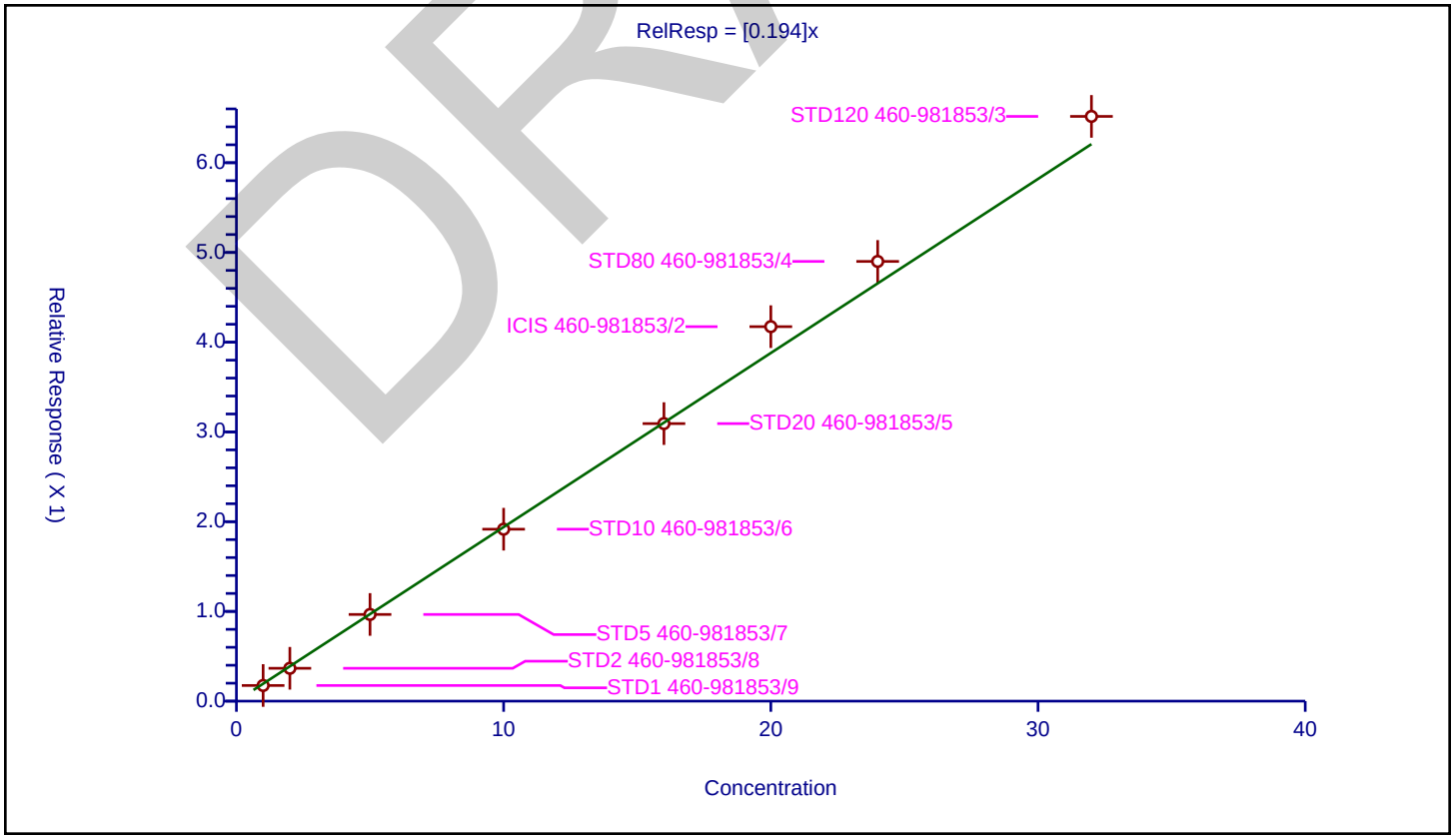
Curve Coefficients

Intercept:	0
Slope:	0.194

Error Coefficients

Relative Standard Deviation:	5.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 460-981853/9	1.0	0.174229	40.0	709639.0	0.174229	Y
2	STD2 460-981853/8	2.0	0.365996	40.0	736621.0	0.182998	Y
3	STD5 460-981853/7	5.0	0.966032	40.0	758401.0	0.193206	Y
4	STD10 460-981853/6	10.0	1.916154	40.0	732363.0	0.191615	Y
5	STD20 460-981853/5	16.0	3.092794	40.0	722363.0	0.1933	Y
6	ICIS 460-981853/2	20.0	4.17316	40.0	682581.0	0.208658	Y
7	STD80 460-981853/4	24.0	4.900081	40.0	746102.0	0.20417	Y
8	STD120 460-981853/3	32.0	6.51619	40.0	696186.0	0.203631	Y



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Calibration / Pentachlorophenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

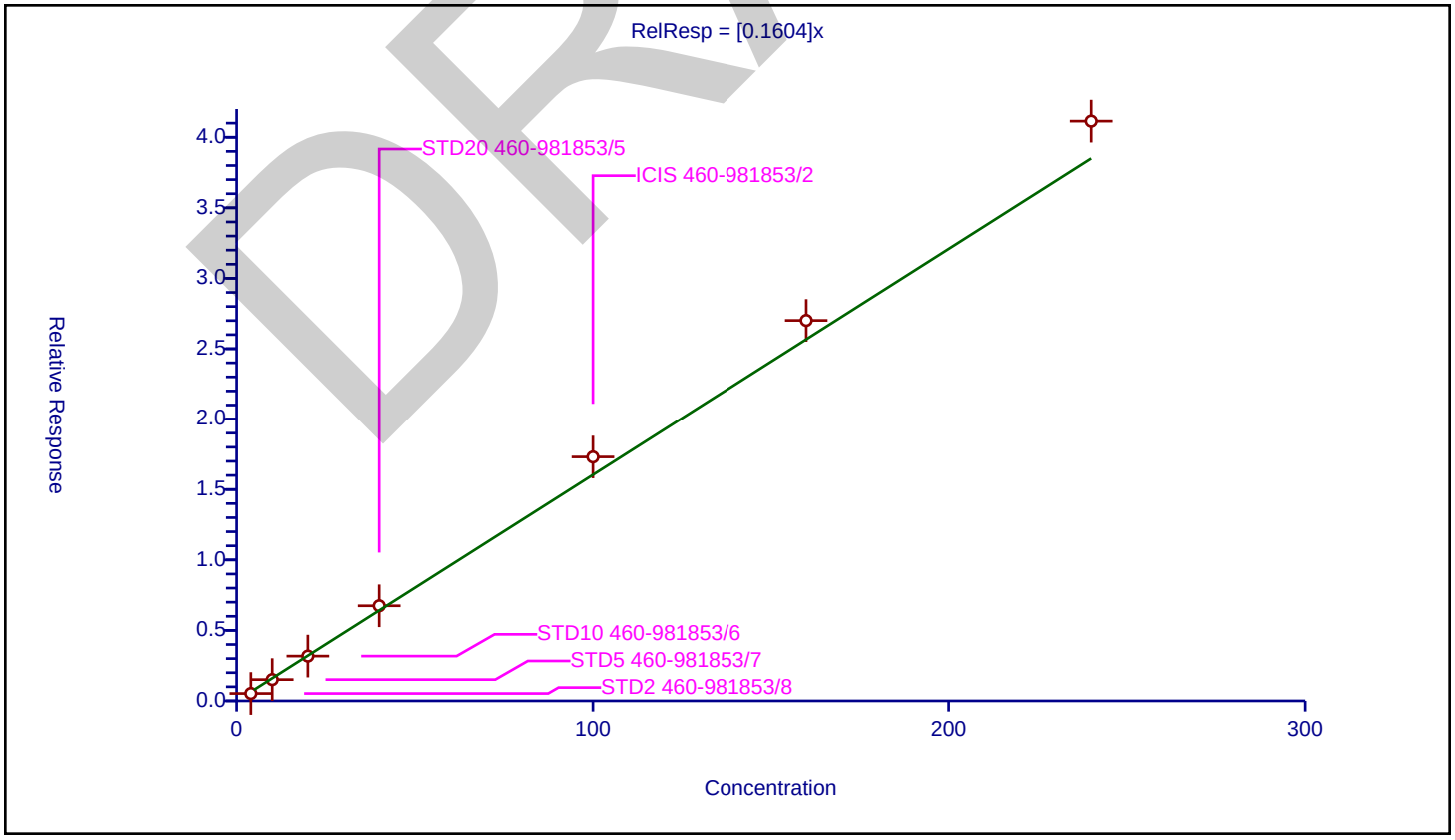
Curve Coefficients

Intercept:	0
Slope:	0.1604

Error Coefficients

Relative Standard Deviation:	9.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 460-981853/8	4.0	0.524394	40.0	736621.0	0.131099	Y
2	STD5 460-981853/7	10.0	1.509492	40.0	758401.0	0.150949	Y
3	STD10 460-981853/6	20.0	3.177987	40.0	732363.0	0.158899	Y
4	STD20 460-981853/5	40.0	6.74658	40.0	722363.0	0.168665	Y
5	ICIS 460-981853/2	100.0	17.309242	40.0	682581.0	0.173092	Y
6	STD80 460-981853/4	160.0	27.010516	40.0	746102.0	0.168816	Y
7	STD120 460-981853/3	240.0	41.142338	40.0	696186.0	0.171426	Y



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Calibration / Pentachloronitrobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

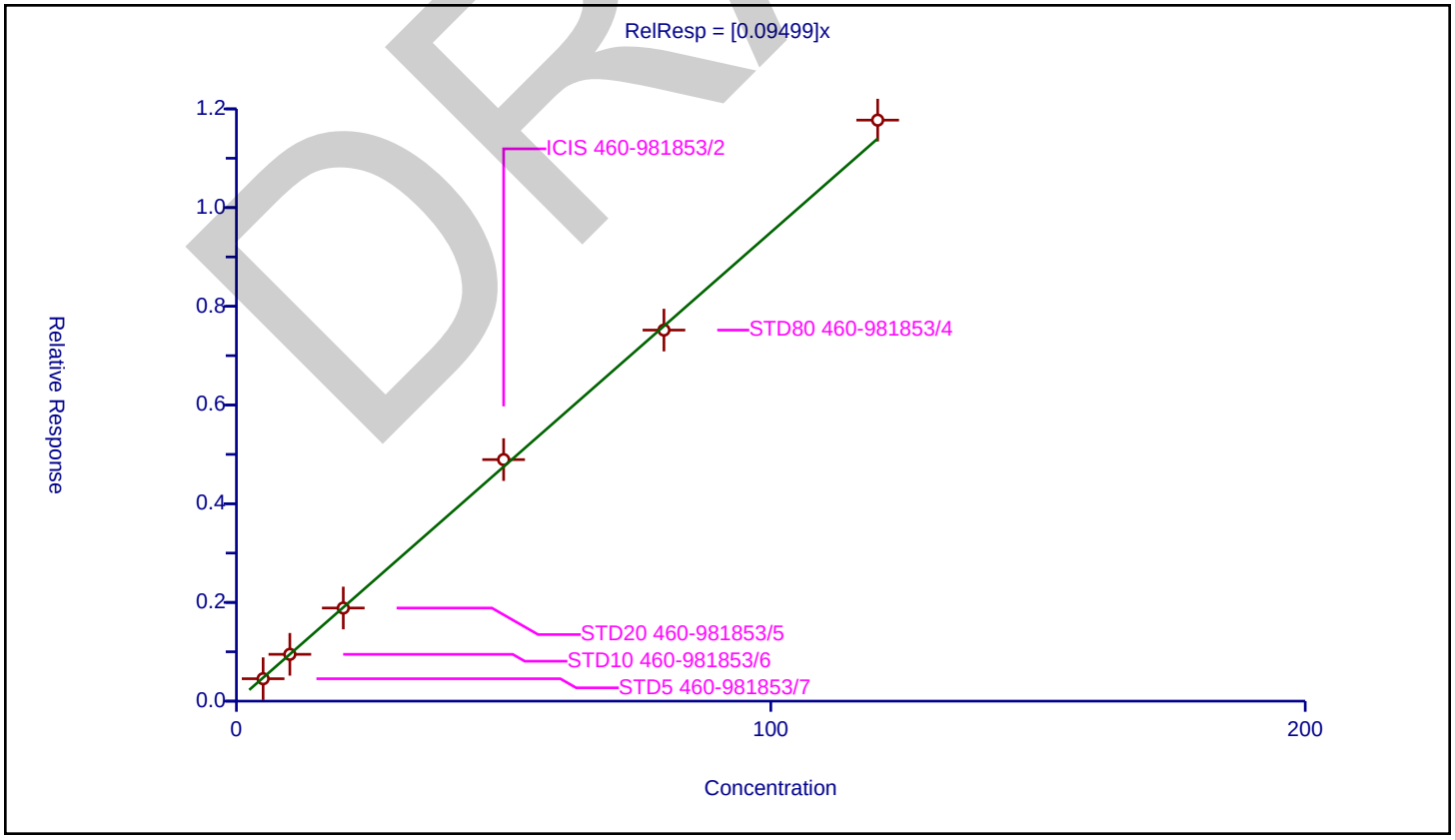
Curve Coefficients

Intercept:	0
Slope:	0.09499

Error Coefficients

Relative Standard Deviation:	2.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	0.45385	40.0	758401.0	0.09077	Y
2	STD10 460-981853/6	10.0	0.948655	40.0	732363.0	0.094866	Y
3	STD20 460-981853/5	20.0	1.886641	40.0	722363.0	0.094332	Y
4	ICIS 460-981853/2	50.0	4.893778	40.0	682581.0	0.097876	Y
5	STD80 460-981853/4	80.0	7.518061	40.0	746102.0	0.093976	Y
6	STD120 460-981853/3	120.0	11.772314	40.0	696186.0	0.098103	Y



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Calibration / Phenanthrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

Curve Coefficients

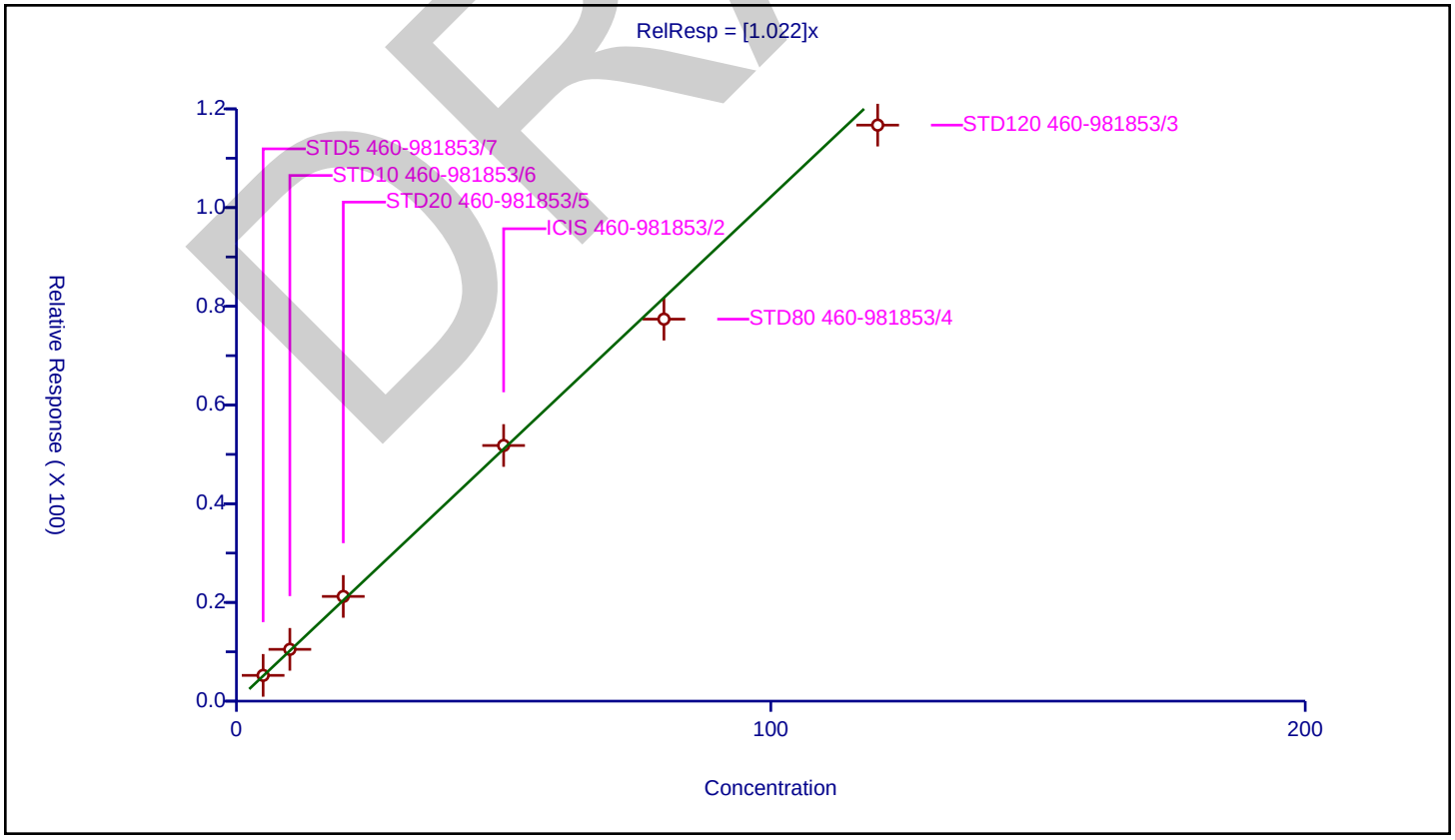
Intercept:	0
Slope:	1.022

Error Coefficients

Relative Standard Deviation:	4.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	5.219719	40.0	758401.0	1.043944	Y
2	STD10 460-981853/6	10.0	10.49272	40.0	732363.0	1.049272	Y
3	STD20 460-981853/5	20.0	21.214154	40.0	722363.0	1.060708	Y
4	ICIS 460-981853/2	50.0	51.798512	40.0	682581.0	1.03597	Y
5	STD80 460-981853/4	80.0	77.397997	40.0	746102.0	0.967475	Y
6	STD120 460-981853/3	120.0	116.711683	40.0	696186.0	0.972597	Y

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Calibration / Anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

Curve Coefficients

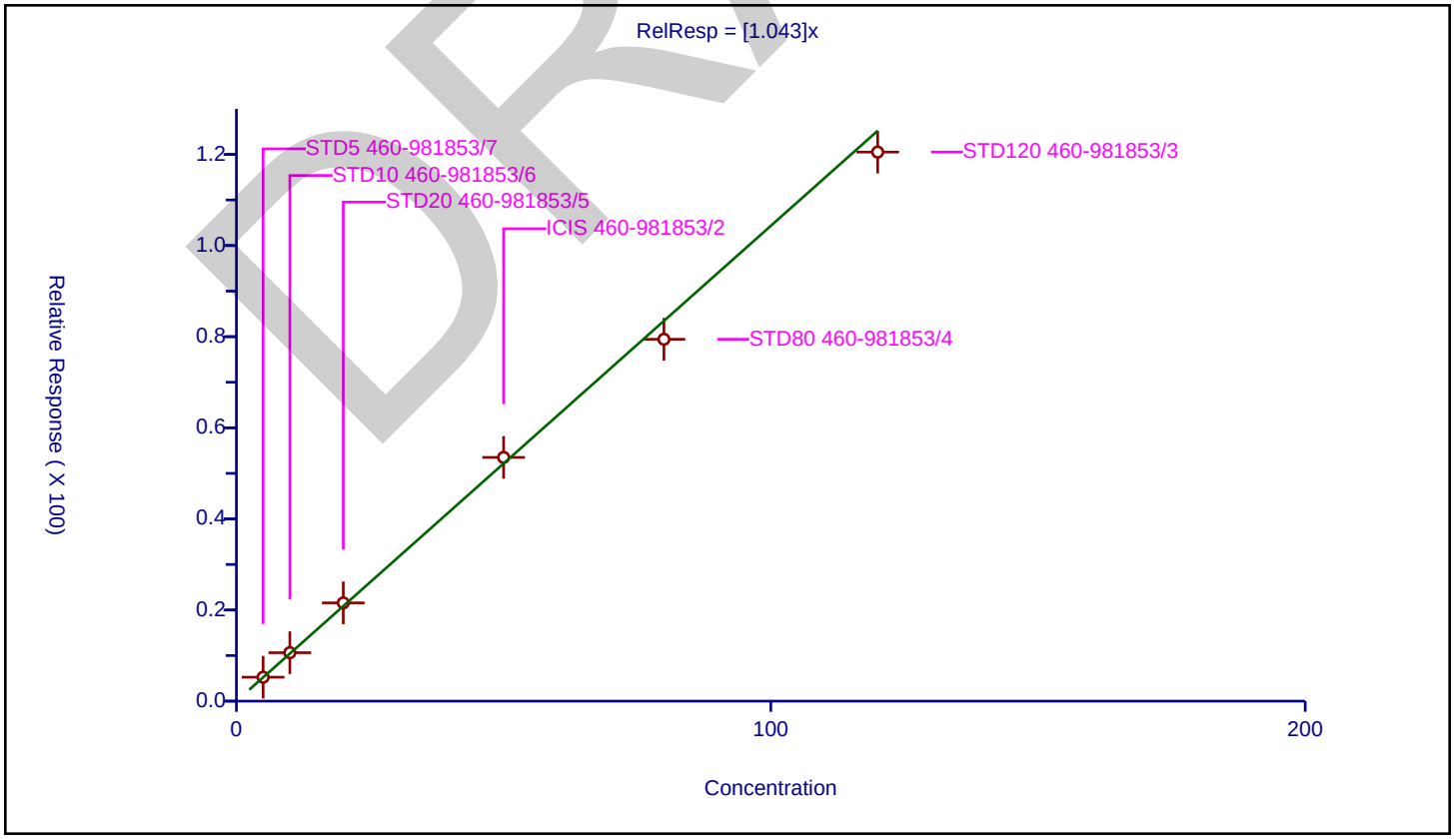
Intercept:	0
Slope:	1.043

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	5.255689	40.0	758401.0	1.051138	Y
2	STD10 460-981853/6	10.0	10.632159	40.0	732363.0	1.063216	Y
3	STD20 460-981853/5	20.0	21.568934	40.0	722363.0	1.078447	Y
4	ICIS 460-981853/2	50.0	53.494721	40.0	682581.0	1.069894	Y
5	STD80 460-981853/4	80.0	79.430319	40.0	746102.0	0.992879	Y
6	STD120 460-981853/3	120.0	120.523308	40.0	696186.0	1.004361	Y

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Calibration / Carbazole

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

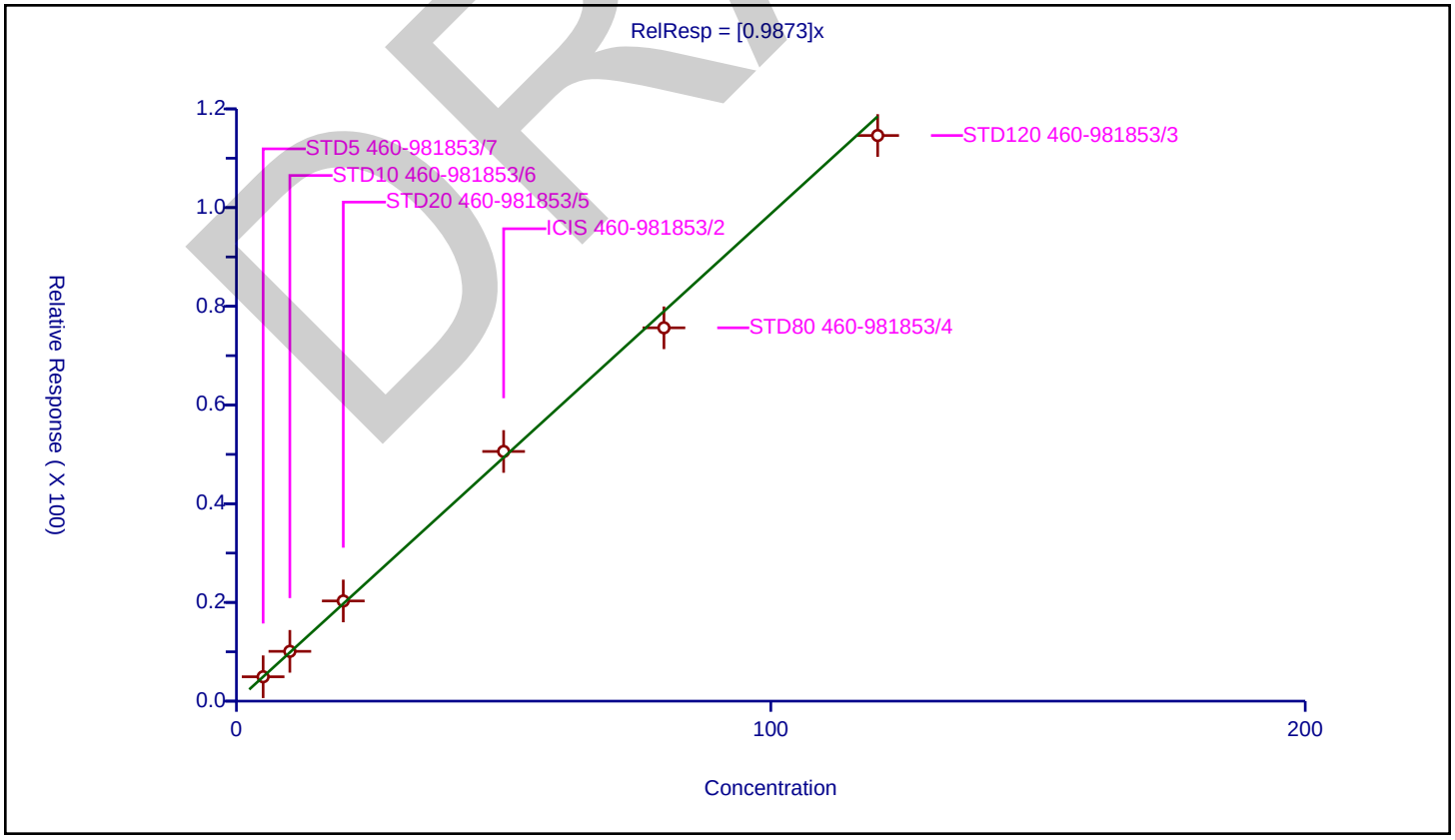
Curve Coefficients

Intercept:	0
Slope:	0.9873

Error Coefficients

Relative Standard Deviation:	3.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	4.938918	40.0	758401.0	0.987784	Y
2	STD10 460-981853/6	10.0	10.088494	40.0	732363.0	1.008849	Y
3	STD20 460-981853/5	20.0	20.29744	40.0	722363.0	1.014872	Y
4	ICIS 460-981853/2	50.0	50.591622	40.0	682581.0	1.011832	Y
5	STD80 460-981853/4	80.0	75.644563	40.0	746102.0	0.945557	Y
6	STD120 460-981853/3	120.0	114.60782	40.0	696186.0	0.955065	Y



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Calibration / Di-n-butyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

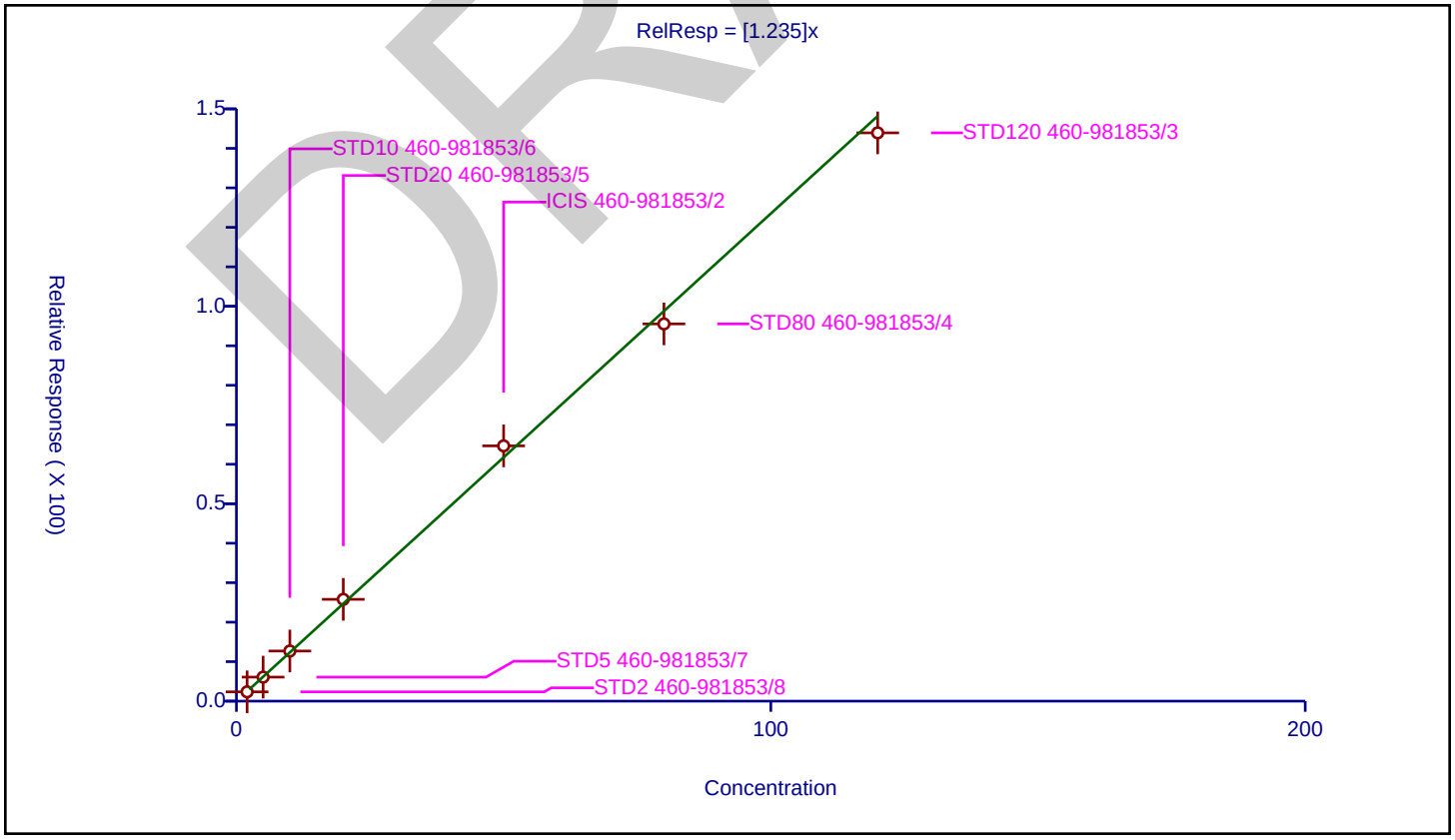
Curve Coefficients

Intercept:	0
Slope:	1.235

Error Coefficients

Relative Standard Deviation:	3.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 460-981853/8	2.0	2.360617	40.0	736621.0	1.180308	Y
2	STD5 460-981853/7	5.0	6.088758	40.0	758401.0	1.217752	Y
3	STD10 460-981853/6	10.0	12.699932	40.0	732363.0	1.269993	Y
4	STD20 460-981853/5	20.0	25.783546	40.0	722363.0	1.289177	Y
5	ICIS 460-981853/2	50.0	64.656707	40.0	682581.0	1.293134	Y
6	STD80 460-981853/4	80.0	95.539377	40.0	746102.0	1.194242	Y
7	STD120 460-981853/3	120.0	143.925962	40.0	696186.0	1.199383	Y



DRAFT

Calibration / Fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

Curve Coefficients

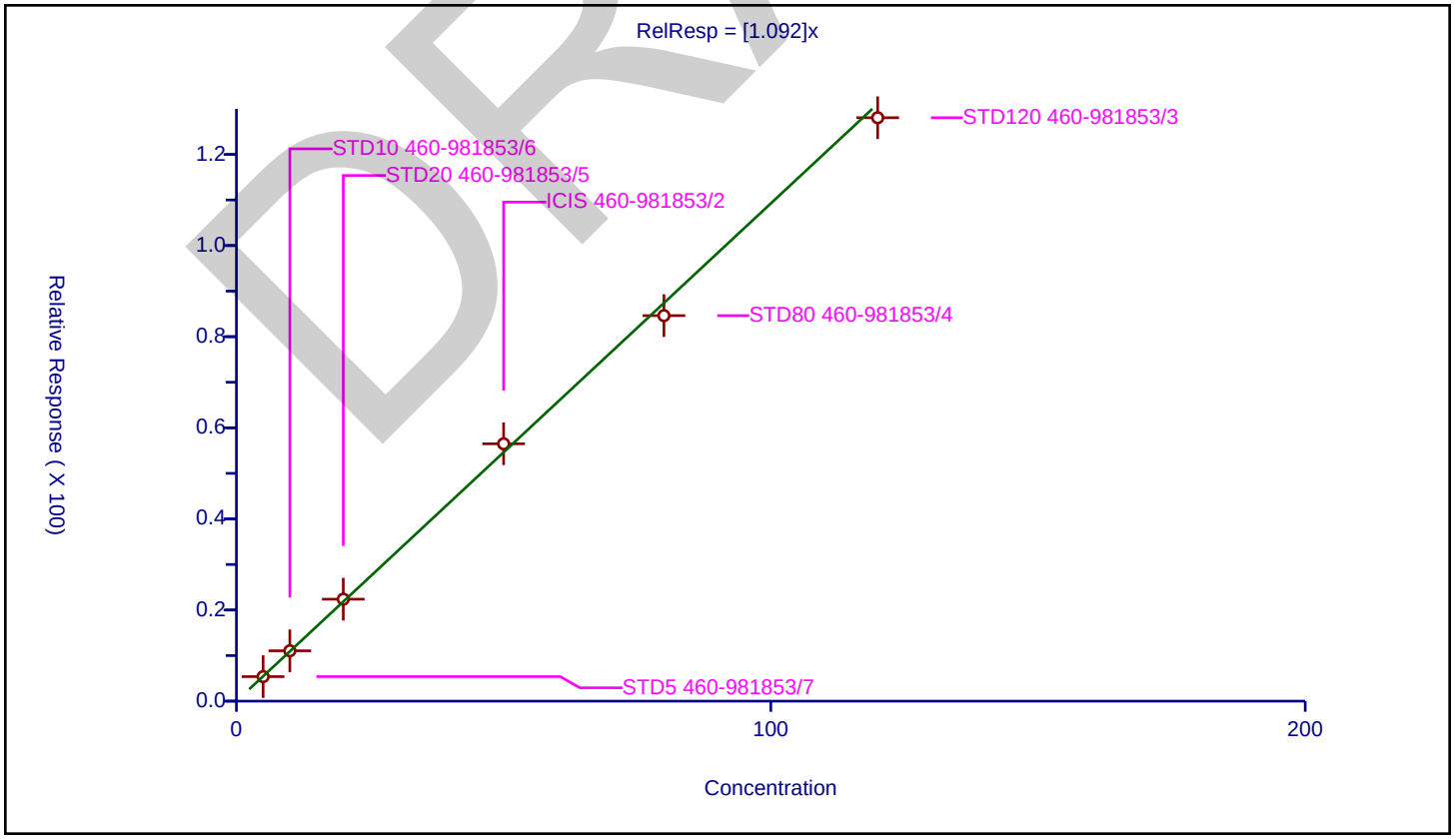
Intercept:	0
Slope:	1.092

Error Coefficients

Relative Standard Deviation:	2.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	5.379898	40.0	758401.0	1.07598	Y
2	STD10 460-981853/6	10.0	11.051733	40.0	732363.0	1.105173	Y
3	STD20 460-981853/5	20.0	22.380271	40.0	722363.0	1.119014	Y
4	ICIS 460-981853/2	50.0	56.487303	40.0	682581.0	1.129746	Y
5	STD80 460-981853/4	80.0	84.618618	40.0	746102.0	1.057733	Y
6	STD120 460-981853/3	120.0	128.05664	40.0	696186.0	1.067139	Y

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Calibration / Benzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

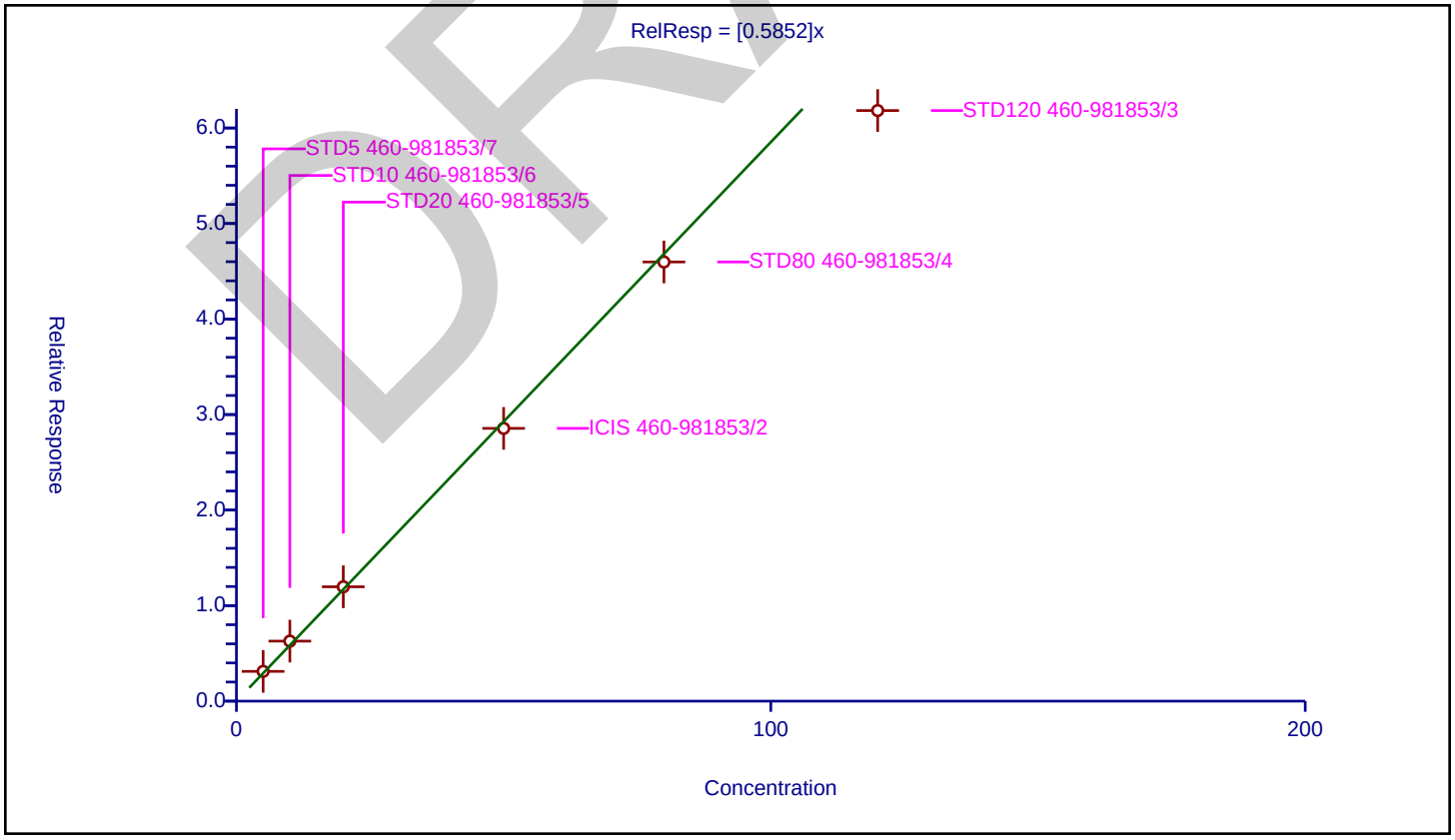
Curve Coefficients

Intercept:	0
Slope:	0.5852

Error Coefficients

Relative Standard Deviation:	7.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	3.116557	40.0	758401.0	0.623311	Y
2	STD10 460-981853/6	10.0	6.284151	40.0	732363.0	0.628415	Y
3	STD20 460-981853/5	20.0	11.970713	40.0	722363.0	0.598536	Y
4	ICIS 460-981853/2	50.0	28.55538	40.0	682581.0	0.571108	Y
5	STD80 460-981853/4	80.0	45.975483	40.0	746102.0	0.574694	Y
6	STD120 460-981853/3	120.0	61.827098	40.0	696186.0	0.515226	Y



DRAFT

Calibration / Pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

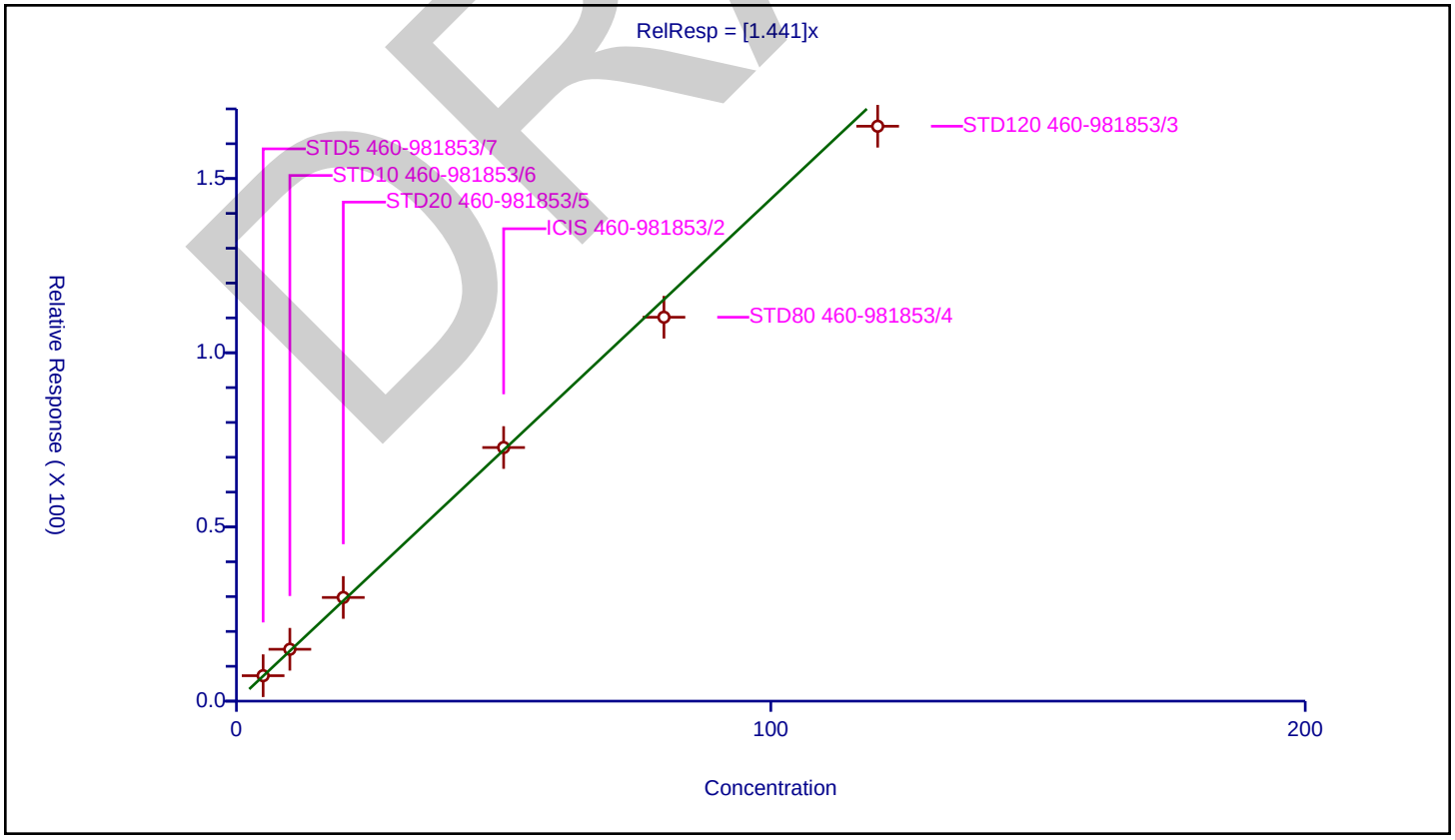
Curve Coefficients

Intercept:	0
Slope:	1.441

Error Coefficients

Relative Standard Deviation:	3.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	7.305301	40.0	590771.0	1.46106	Y
2	STD10 460-981853/6	10.0	14.88981	40.0	573963.0	1.488981	Y
3	STD20 460-981853/5	20.0	29.759293	40.0	572605.0	1.487965	Y
4	ICIS 460-981853/2	50.0	72.798945	40.0	542415.0	1.455979	Y
5	STD80 460-981853/4	80.0	110.202304	40.0	587432.0	1.377529	Y
6	STD120 460-981853/3	120.0	165.021382	40.0	545308.0	1.375178	Y



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Calibration / Bisphenol-A

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

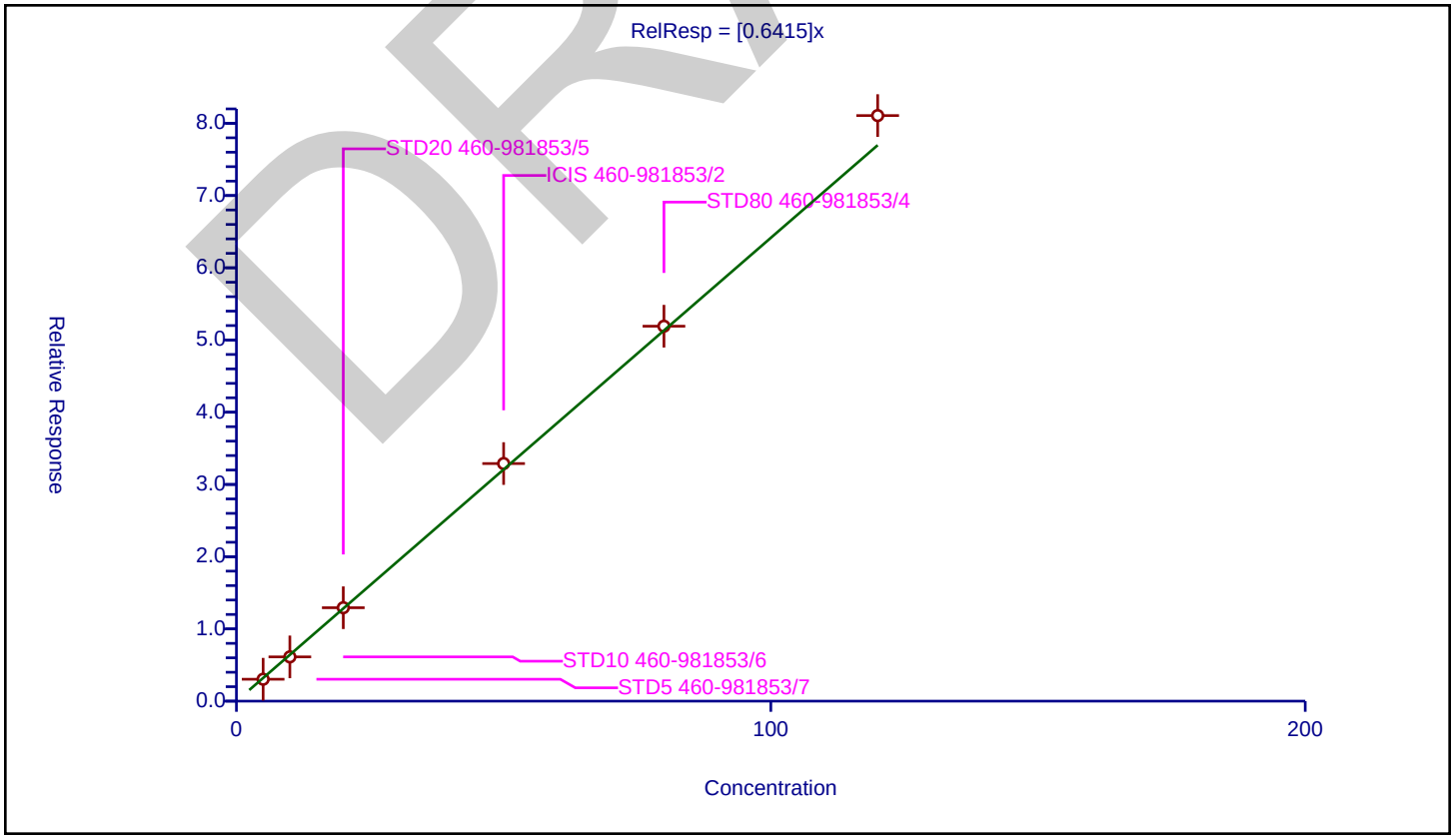
Curve Coefficients

Intercept:	0
Slope:	0.6415

Error Coefficients

Relative Standard Deviation:	4.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	3.034611	40.0	590771.0	0.606922	Y
2	STD10 460-981853/6	10.0	6.126318	40.0	573963.0	0.612632	Y
3	STD20 460-981853/5	20.0	12.935619	40.0	572605.0	0.646781	Y
4	ICIS 460-981853/2	50.0	32.896804	40.0	542415.0	0.657936	Y
5	STD80 460-981853/4	80.0	51.911234	40.0	587432.0	0.64889	Y
6	STD120 460-981853/3	120.0	81.074989	40.0	545308.0	0.675625	Y



DRAFT

Calibration / Terphenyl-d14

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

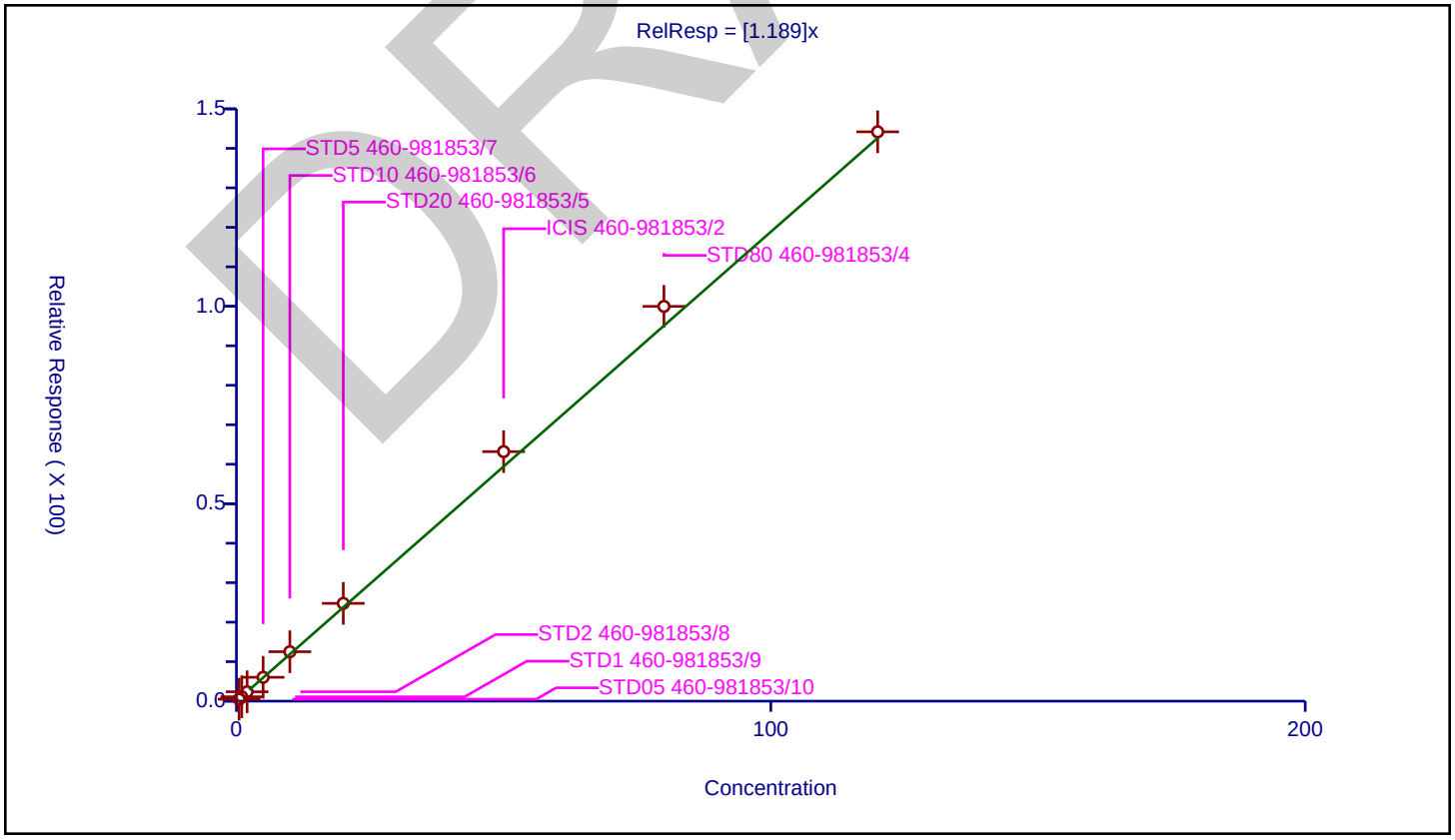
Curve Coefficients

Intercept:	0
Slope:	1.189

Error Coefficients

Relative Standard Deviation:	7.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD05 460-981853/10	0.5	0.497428	40.0	577290.0	0.994855	Y
2	STD1 460-981853/9	1.0	1.103442	40.0	562023.0	1.103442	Y
3	STD2 460-981853/8	2.0	2.37266	40.0	577664.0	1.18633	Y
4	STD5 460-981853/7	5.0	6.038888	40.0	590771.0	1.207778	Y
5	STD10 460-981853/6	10.0	12.517462	40.0	573963.0	1.251746	Y
6	STD20 460-981853/5	20.0	24.757451	40.0	572605.0	1.237873	Y
7	ICIS 460-981853/2	50.0	63.19722	40.0	542415.0	1.263944	Y
8	STD80 460-981853/4	80.0	99.983181	40.0	587432.0	1.24979	Y
9	STD120 460-981853/3	120.0	144.191613	40.0	545308.0	1.201597	Y



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Calibration / Butyl benzyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

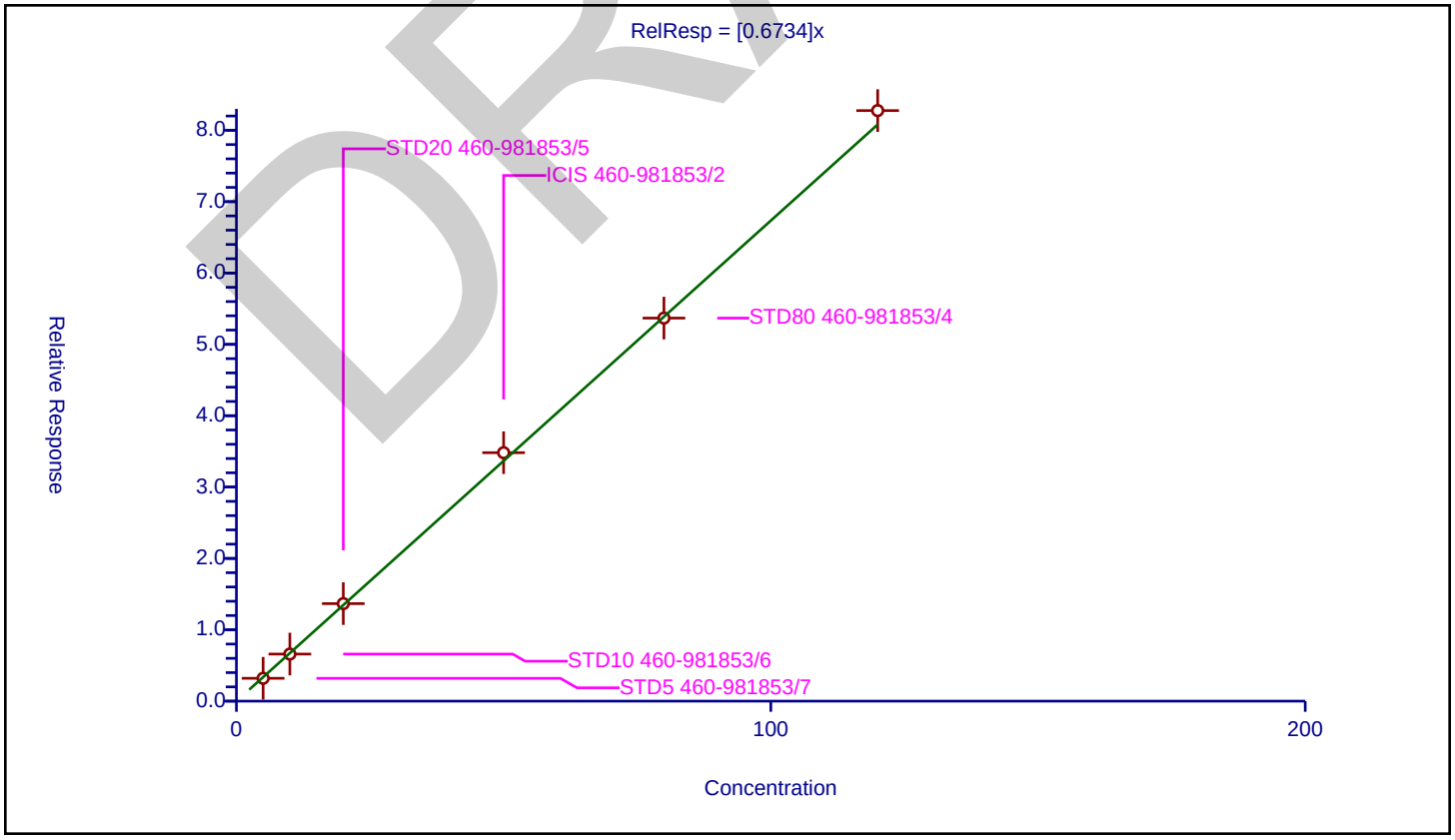
Curve Coefficients

Intercept:	0
Slope:	0.6734

Error Coefficients

Relative Standard Deviation:	3.1

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	3.201579	40.0	590771.0	0.640316	Y
2	STD10 460-981853/6	10.0	6.596662	40.0	573963.0	0.659666	Y
3	STD20 460-981853/5	20.0	13.667991	40.0	572605.0	0.6834	Y
4	ICIS 460-981853/2	50.0	34.819244	40.0	542415.0	0.696385	Y
5	STD80 460-981853/4	80.0	53.681175	40.0	587432.0	0.671015	Y
6	STD120 460-981853/3	120.0	82.762035	40.0	545308.0	0.689684	Y



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Calibration / 2,3,7,8-TCDD

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

Curve Coefficients

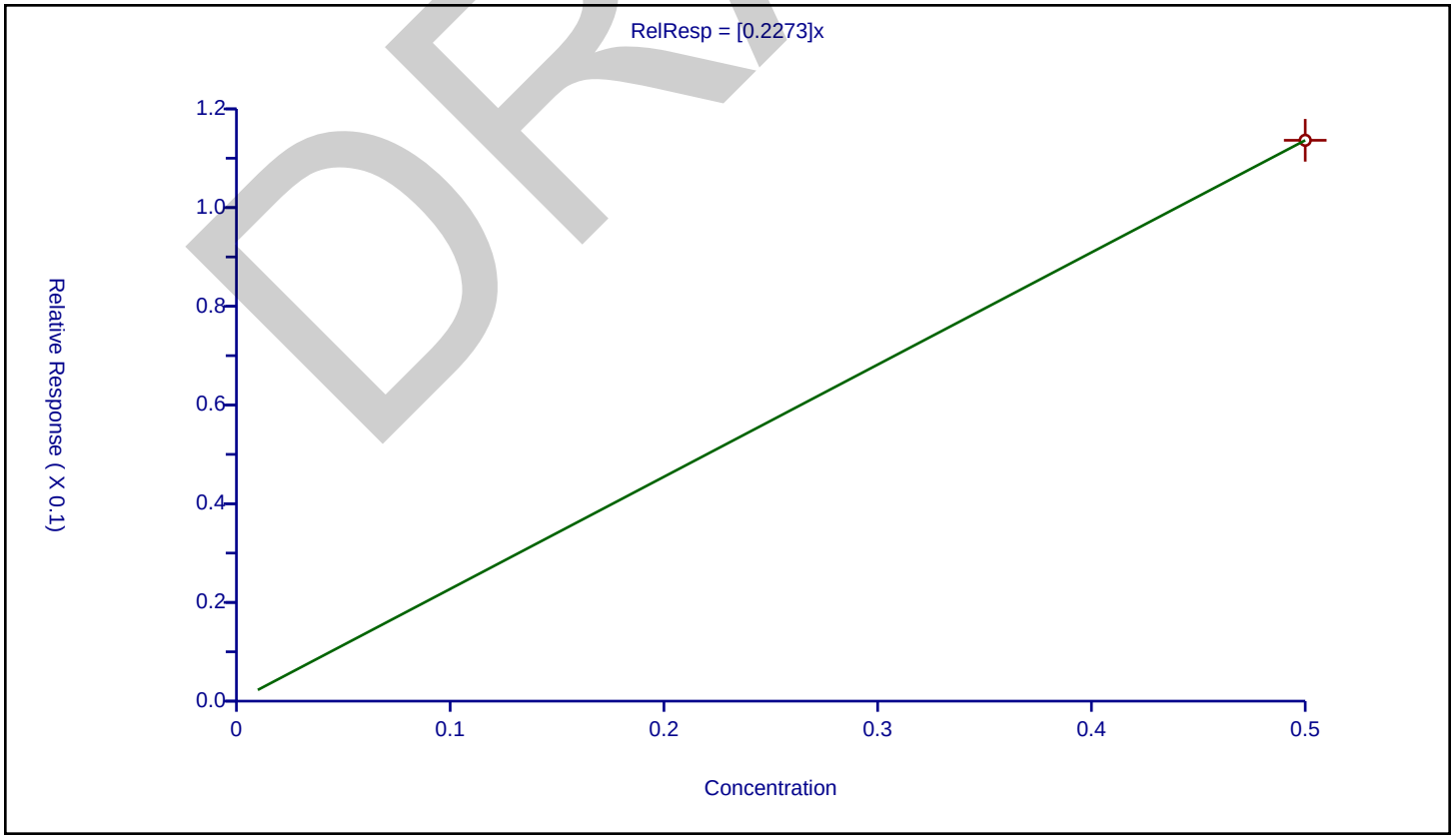
Intercept:	0
Slope:	0.2273

Error Coefficients

Relative Standard Deviation:	0.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	ICIS 460-981853/2	0.5	0.11364	40.0	542415.0	0.22728	Y

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Calibration / Carbamazepine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

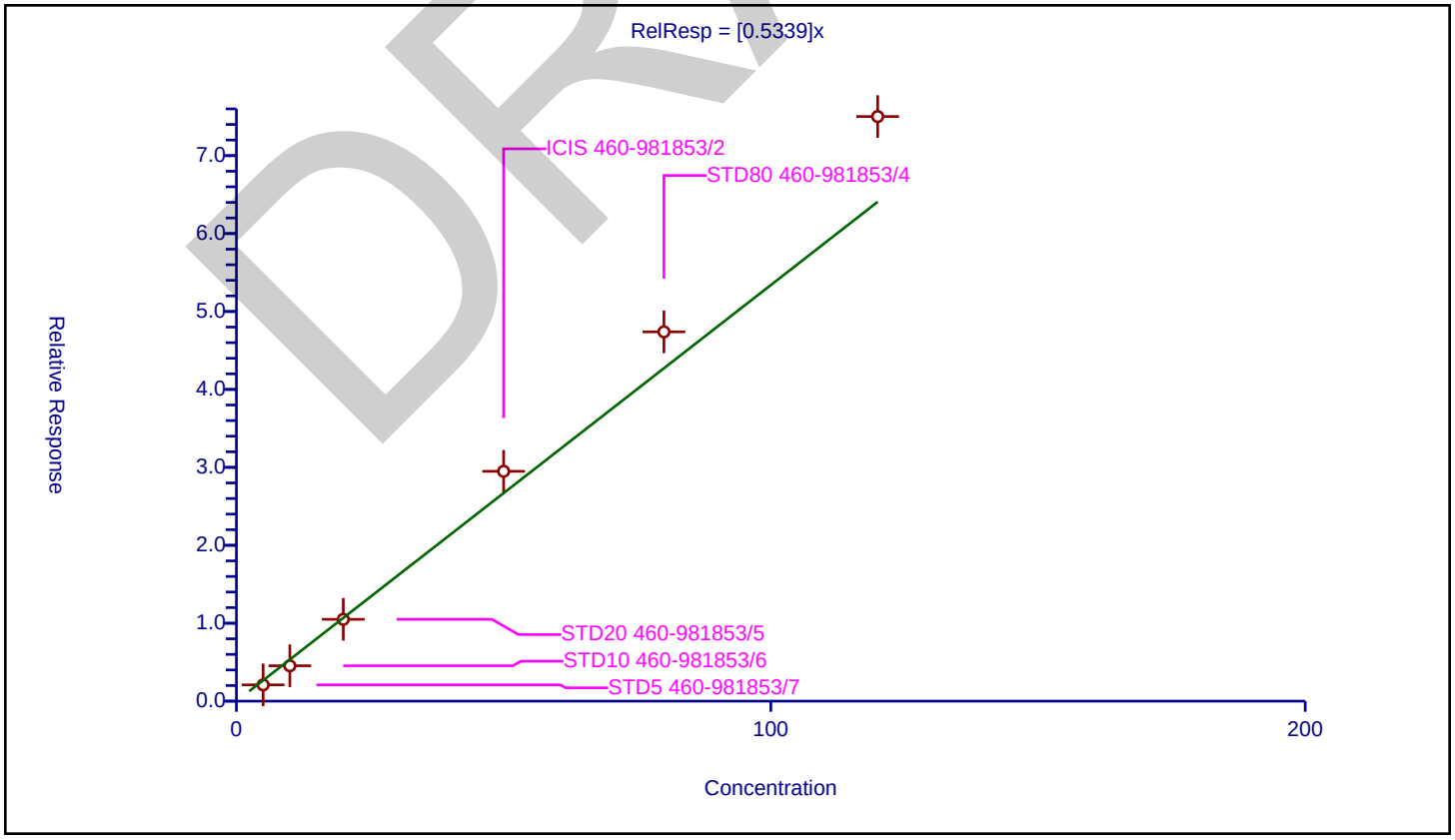
Curve Coefficients

Intercept:	0
Slope:	0.5339

Error Coefficients

Relative Standard Deviation:	15.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	2.088254	40.0	590771.0	0.417651	Y
2	STD10 460-981853/6	10.0	4.536181	40.0	573963.0	0.453618	Y
3	STD20 460-981853/5	20.0	10.497708	40.0	572605.0	0.524885	Y
4	ICIS 460-981853/2	50.0	29.493285	40.0	542415.0	0.589866	Y
5	STD80 460-981853/4	80.0	47.389996	40.0	587432.0	0.592375	Y
6	STD120 460-981853/3	120.0	75.017715	40.0	545308.0	0.625148	Y



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Calibration / 3,3'-Dichlorobenzidine

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

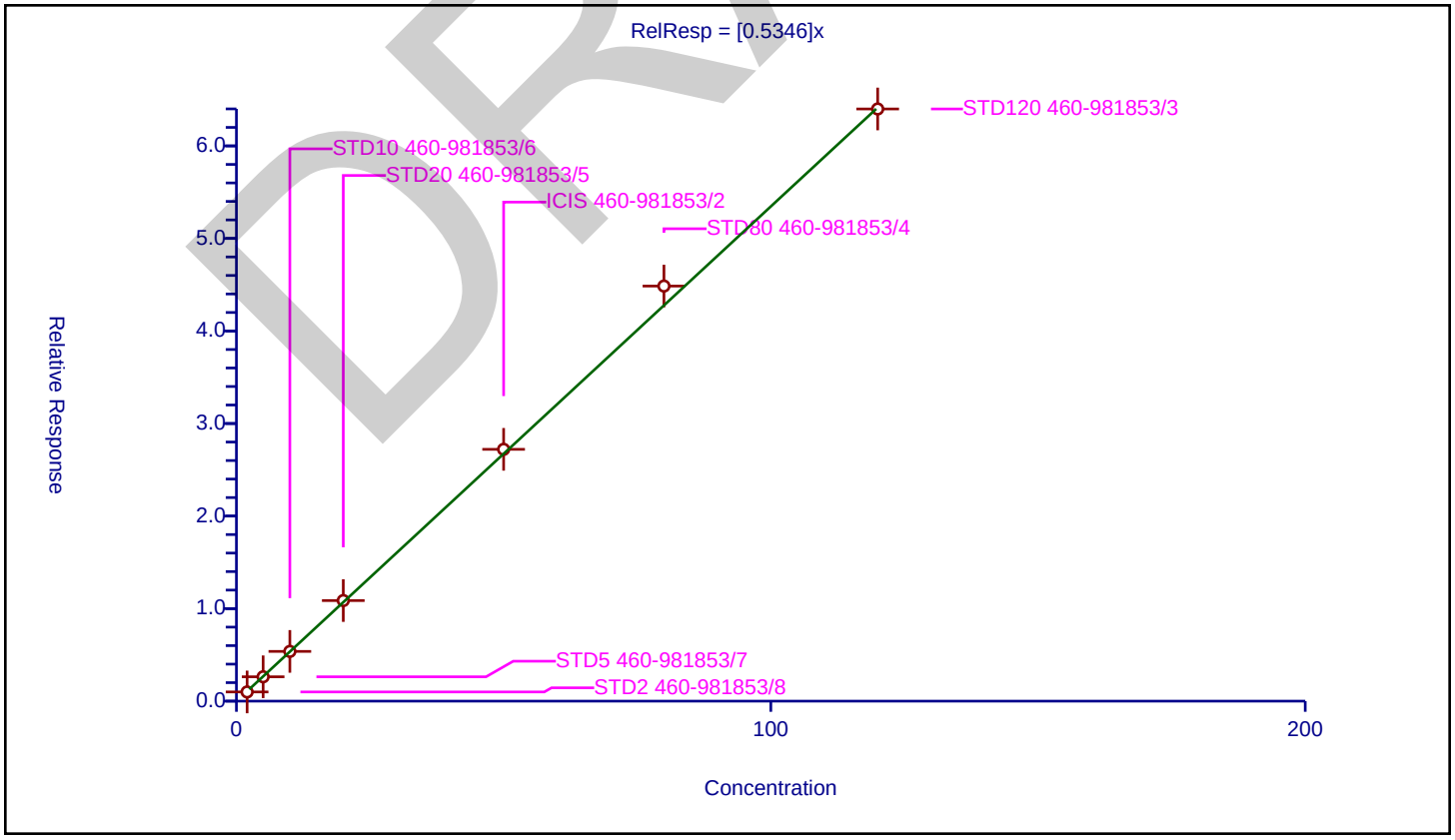
Curve Coefficients

Intercept:	0
Slope:	0.5346

Error Coefficients

Relative Standard Deviation:	3.7

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD2 460-981853/8	2.0	0.993173	40.0	577664.0	0.496586	Y
2	STD5 460-981853/7	5.0	2.631273	40.0	590771.0	0.526255	Y
3	STD10 460-981853/6	10.0	5.373656	40.0	573963.0	0.537366	Y
4	STD20 460-981853/5	20.0	10.87046	40.0	572605.0	0.543523	Y
5	ICIS 460-981853/2	50.0	27.212522	40.0	542415.0	0.54425	Y
6	STD80 460-981853/4	80.0	44.855302	40.0	587432.0	0.560691	Y
7	STD120 460-981853/3	120.0	63.990919	40.0	545308.0	0.533258	Y



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Calibration / Benzo[a]anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

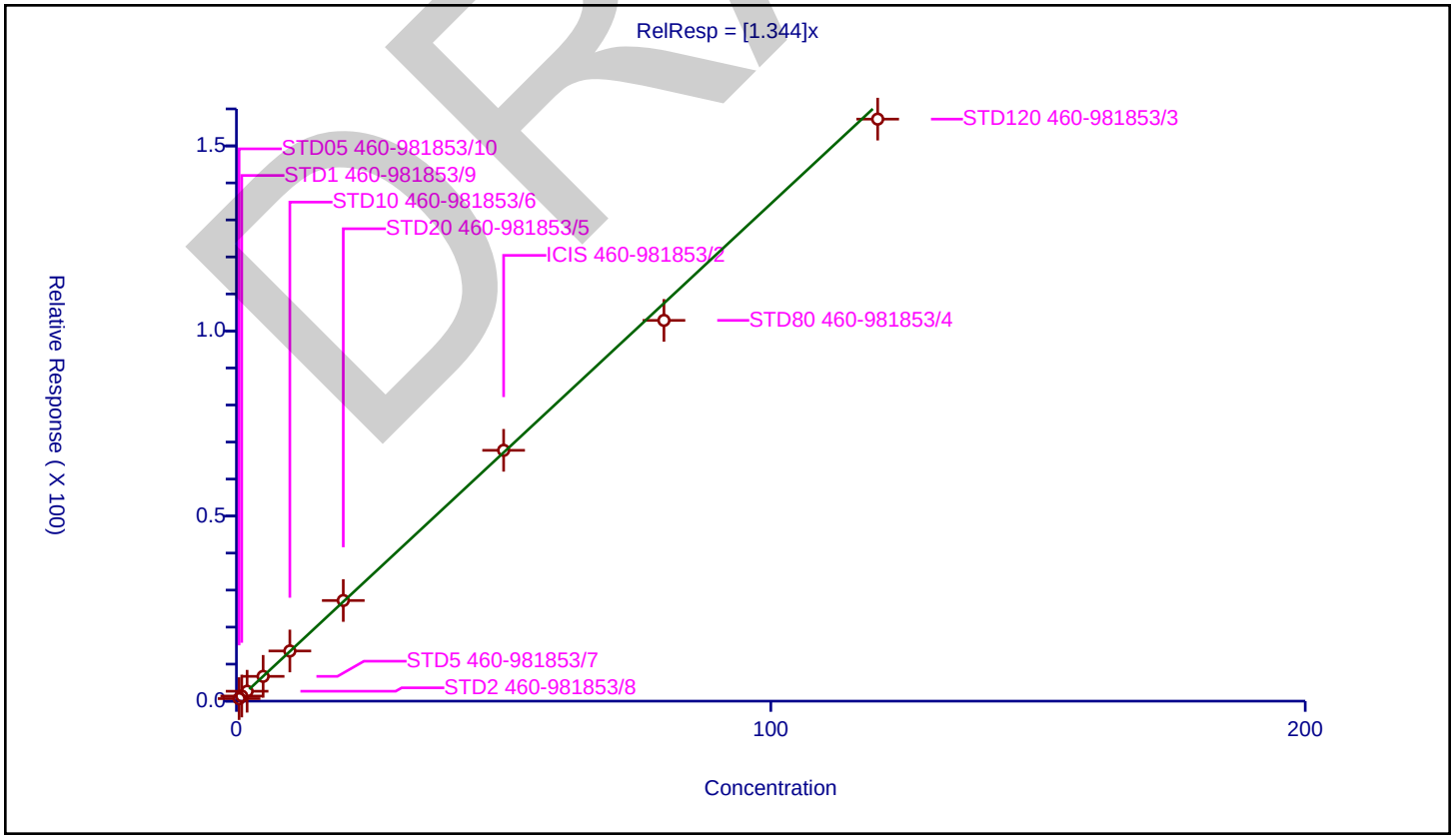
Curve Coefficients

Intercept:	0
Slope:	1.344

Error Coefficients

Relative Standard Deviation:	2.2

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD05 460-981853/10	0.5	0.685548	40.0	577290.0	1.371096	Y
2	STD1 460-981853/9	1.0	1.376812	40.0	562023.0	1.376812	Y
3	STD2 460-981853/8	2.0	2.679135	40.0	577664.0	1.339568	Y
4	STD5 460-981853/7	5.0	6.693423	40.0	590771.0	1.338685	Y
5	STD10 460-981853/6	10.0	13.551536	40.0	573963.0	1.355154	Y
6	STD20 460-981853/5	20.0	27.188236	40.0	572605.0	1.359412	Y
7	ICIS 460-981853/2	50.0	67.764055	40.0	542415.0	1.355281	Y
8	STD80 460-981853/4	80.0	102.859156	40.0	587432.0	1.285739	Y
9	STD120 460-981853/3	120.0	157.239505	40.0	545308.0	1.310329	Y



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Calibration / Chrysene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

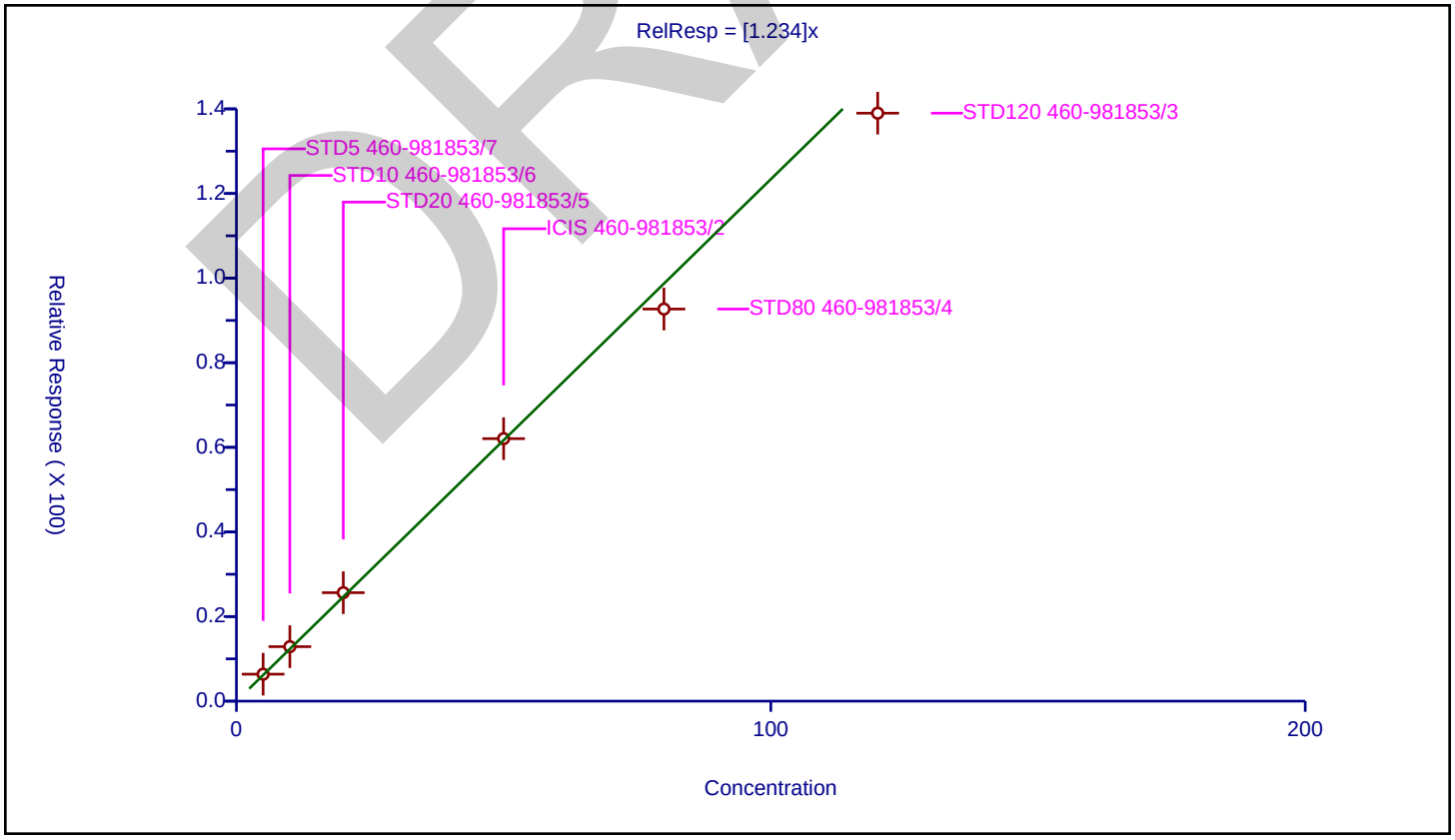
Curve Coefficients

Intercept:	0
Slope:	1.234

Error Coefficients

Relative Standard Deviation:	4.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	6.372757	40.0	590771.0	1.274551	Y
2	STD10 460-981853/6	10.0	12.877276	40.0	573963.0	1.287728	Y
3	STD20 460-981853/5	20.0	25.639944	40.0	572605.0	1.281997	Y
4	ICIS 460-981853/2	50.0	62.050128	40.0	542415.0	1.241003	Y
5	STD80 460-981853/4	80.0	92.684702	40.0	587432.0	1.158559	Y
6	STD120 460-981853/3	120.0	138.986848	40.0	545308.0	1.158224	Y



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Calibration / Bis(2-ethylhexyl) phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

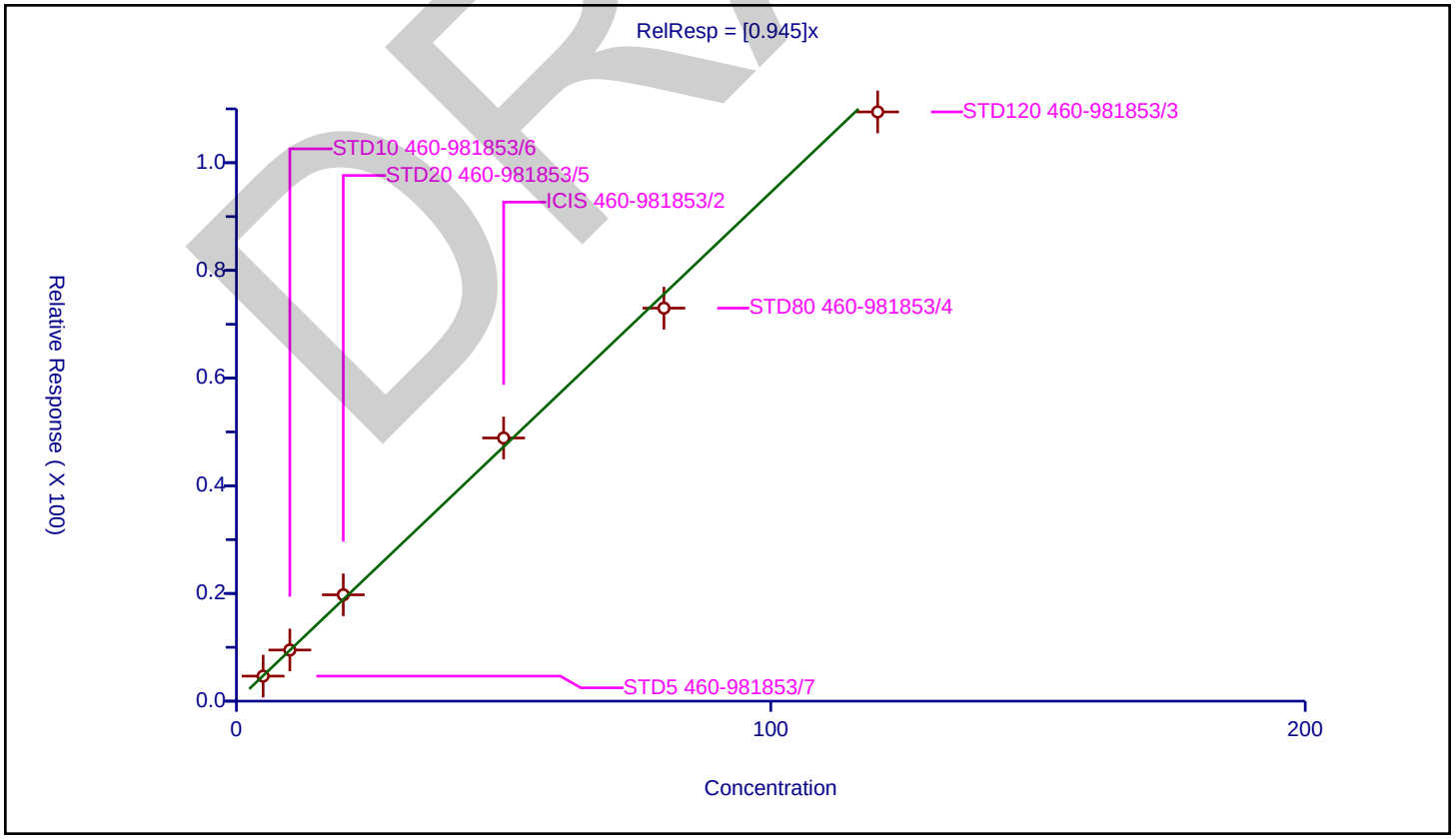
Curve Coefficients

Intercept:	0
Slope:	0.945

Error Coefficients

Relative Standard Deviation:	3.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	4.652564	40.0	590771.0	0.930513	Y
2	STD10 460-981853/6	10.0	9.499079	40.0	573963.0	0.949908	Y
3	STD20 460-981853/5	20.0	19.752465	40.0	572605.0	0.987623	Y
4	ICIS 460-981853/2	50.0	48.877778	40.0	542415.0	0.977556	Y
5	STD80 460-981853/4	80.0	72.992278	40.0	587432.0	0.912403	Y
6	STD120 460-981853/3	120.0	109.436575	40.0	545308.0	0.911971	Y



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Calibration / Di-n-octyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

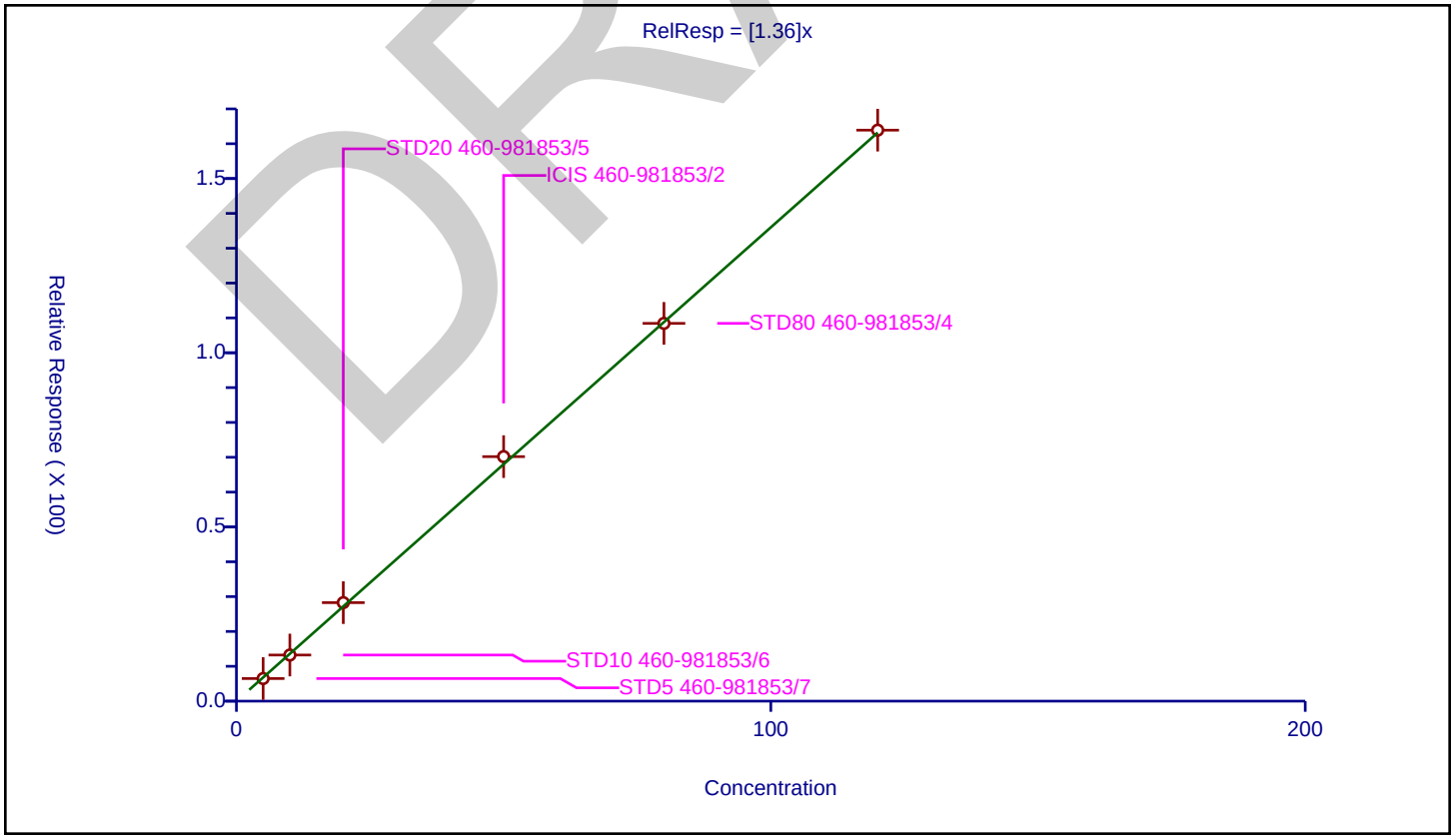
Curve Coefficients

Intercept:	0
Slope:	1.36

Error Coefficients

Relative Standard Deviation:	3.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD5 460-981853/7	5.0	6.484305	40.0	718936.0	1.296861	Y
2	STD10 460-981853/6	10.0	13.241081	40.0	699674.0	1.324108	Y
3	STD20 460-981853/5	20.0	28.274956	40.0	686916.0	1.413748	Y
4	ICIS 460-981853/2	50.0	70.187338	40.0	673701.0	1.403747	Y
5	STD80 460-981853/4	80.0	108.431035	40.0	734261.0	1.355388	Y
6	STD120 460-981853/3	120.0	163.897595	40.0	692232.0	1.365813	Y



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Calibration / Benzo[b]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

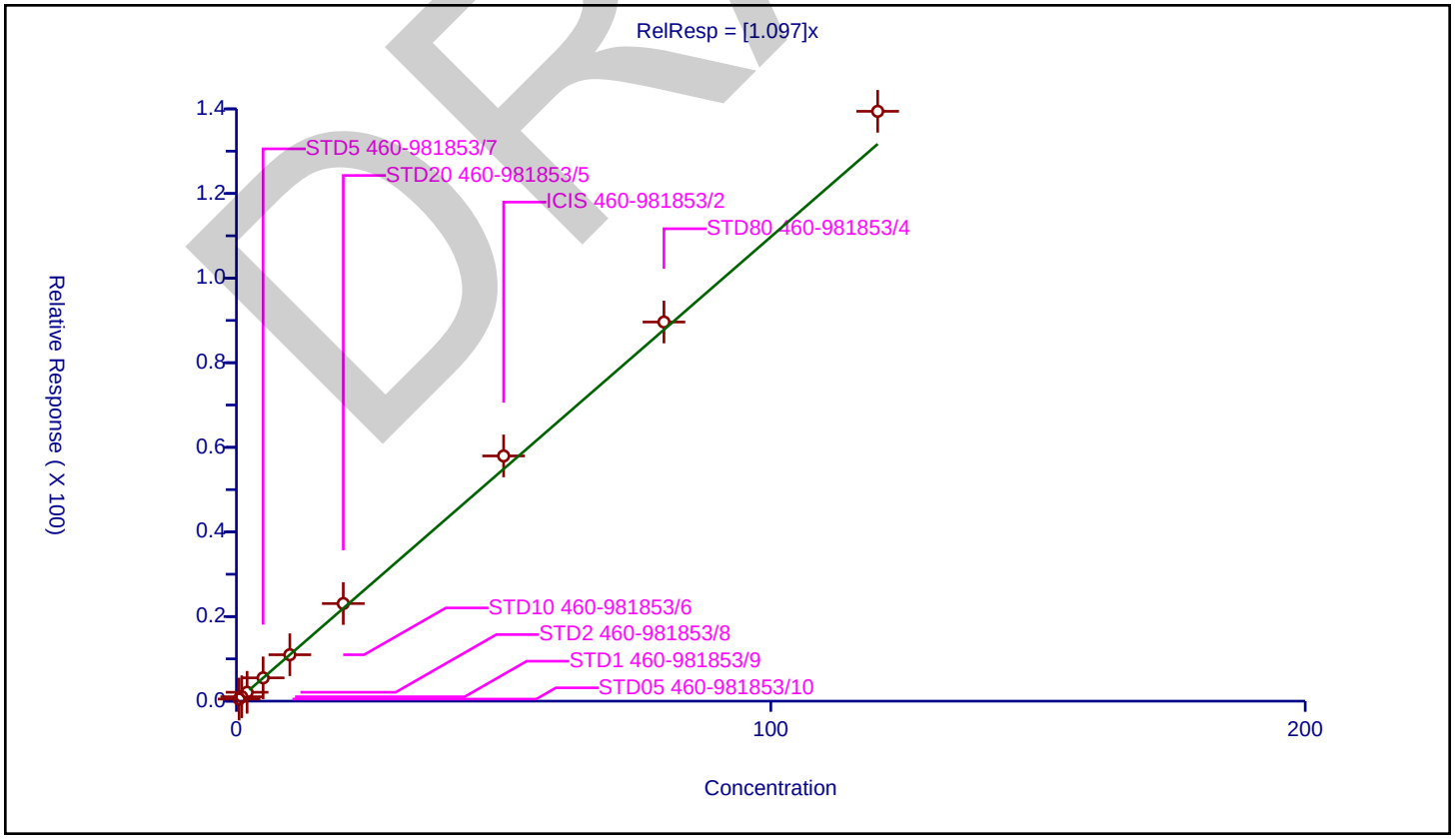
Curve Coefficients

Intercept:	0
Slope:	1.097

Error Coefficients

Relative Standard Deviation:	5.4

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD05 460-981853/10	0.5	0.496096	40.0	704783.0	0.992192	Y
2	STD1 460-981853/9	1.0	1.041765	40.0	686489.0	1.041765	Y
3	STD2 460-981853/8	2.0	2.100673	40.0	688503.0	1.050337	Y
4	STD5 460-981853/7	5.0	5.504968	40.0	718936.0	1.100994	Y
5	STD10 460-981853/6	10.0	10.968079	40.0	699674.0	1.096808	Y
6	STD20 460-981853/5	20.0	23.070011	40.0	686916.0	1.153501	Y
7	ICIS 460-981853/2	50.0	57.963934	40.0	673701.0	1.159279	Y
8	STD80 460-981853/4	80.0	89.620775	40.0	734261.0	1.12026	Y
9	STD120 460-981853/3	120.0	139.424817	40.0	692232.0	1.161873	Y



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Calibration / Benzo[k]fluoranthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

Curve Coefficients

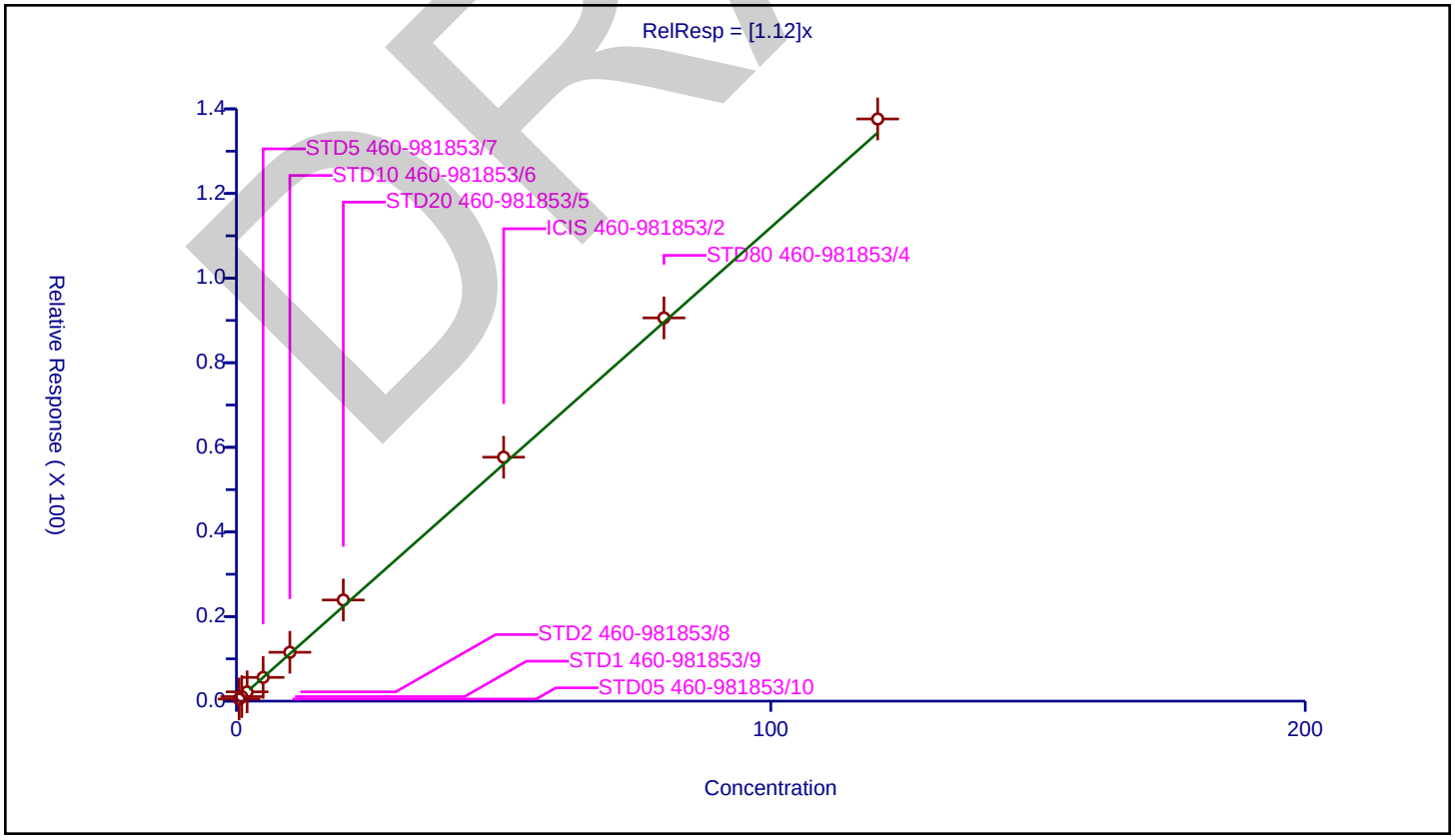
Intercept:	0
Slope:	1.12

Error Coefficients

Relative Standard Deviation:	5.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD05 460-981853/10	0.5	0.501317	40.0	704783.0	1.002635	Y
2	STD1 460-981853/9	1.0	1.074161	40.0	686489.0	1.074161	Y
3	STD2 460-981853/8	2.0	2.19328	40.0	688503.0	1.09664	Y
4	STD5 460-981853/7	5.0	5.609957	40.0	718936.0	1.121991	Y
5	STD10 460-981853/6	10.0	11.548007	40.0	699674.0	1.154801	Y
6	STD20 460-981853/5	20.0	23.906853	40.0	686916.0	1.195343	Y
7	ICIS 460-981853/2	50.0	57.668966	40.0	673701.0	1.153379	Y
8	STD80 460-981853/4	80.0	90.596396	40.0	734261.0	1.132455	Y
9	STD120 460-981853/3	120.0	137.619411	40.0	692232.0	1.146828	Y

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Calibration / Benzo[a]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

Curve Coefficients

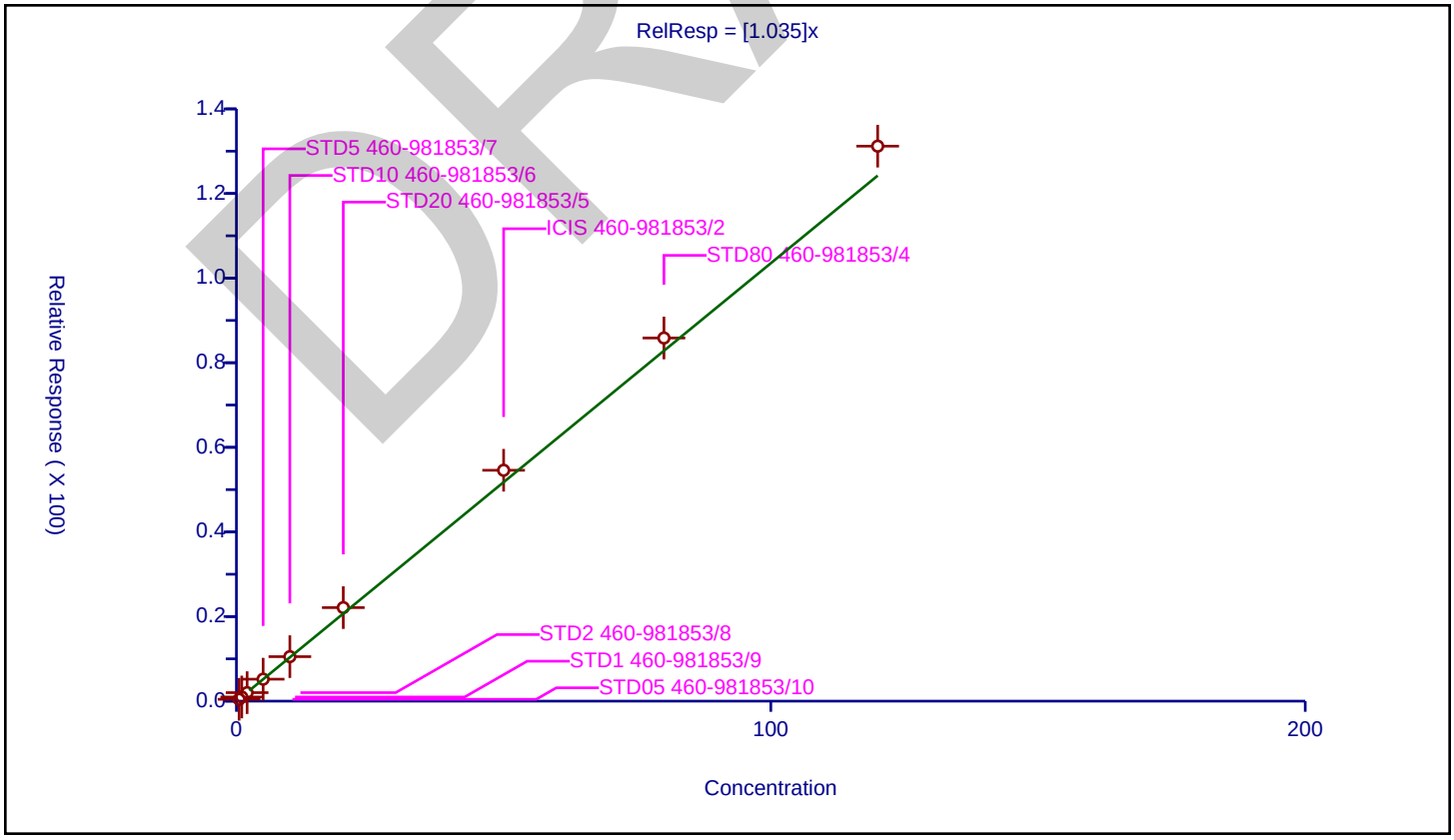
Intercept:	0
Slope:	1.035

Error Coefficients

Relative Standard Deviation:	7.0

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD05 460-981853/10	0.5	0.440022	40.0	704783.0	0.880044	Y
2	STD1 460-981853/9	1.0	0.977379	40.0	686489.0	0.977379	Y
3	STD2 460-981853/8	2.0	2.012192	40.0	688503.0	1.006096	Y
4	STD5 460-981853/7	5.0	5.188946	40.0	718936.0	1.037789	Y
5	STD10 460-981853/6	10.0	10.519814	40.0	699674.0	1.051981	Y
6	STD20 460-981853/5	20.0	22.110651	40.0	686916.0	1.105533	Y
7	ICIS 460-981853/2	50.0	54.576912	40.0	673701.0	1.091538	Y
8	STD80 460-981853/4	80.0	85.840158	40.0	734261.0	1.073002	Y
9	STD120 460-981853/3	120.0	131.191681	40.0	692232.0	1.093264	Y

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Calibration / Indeno[1,2,3-cd]pyrene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

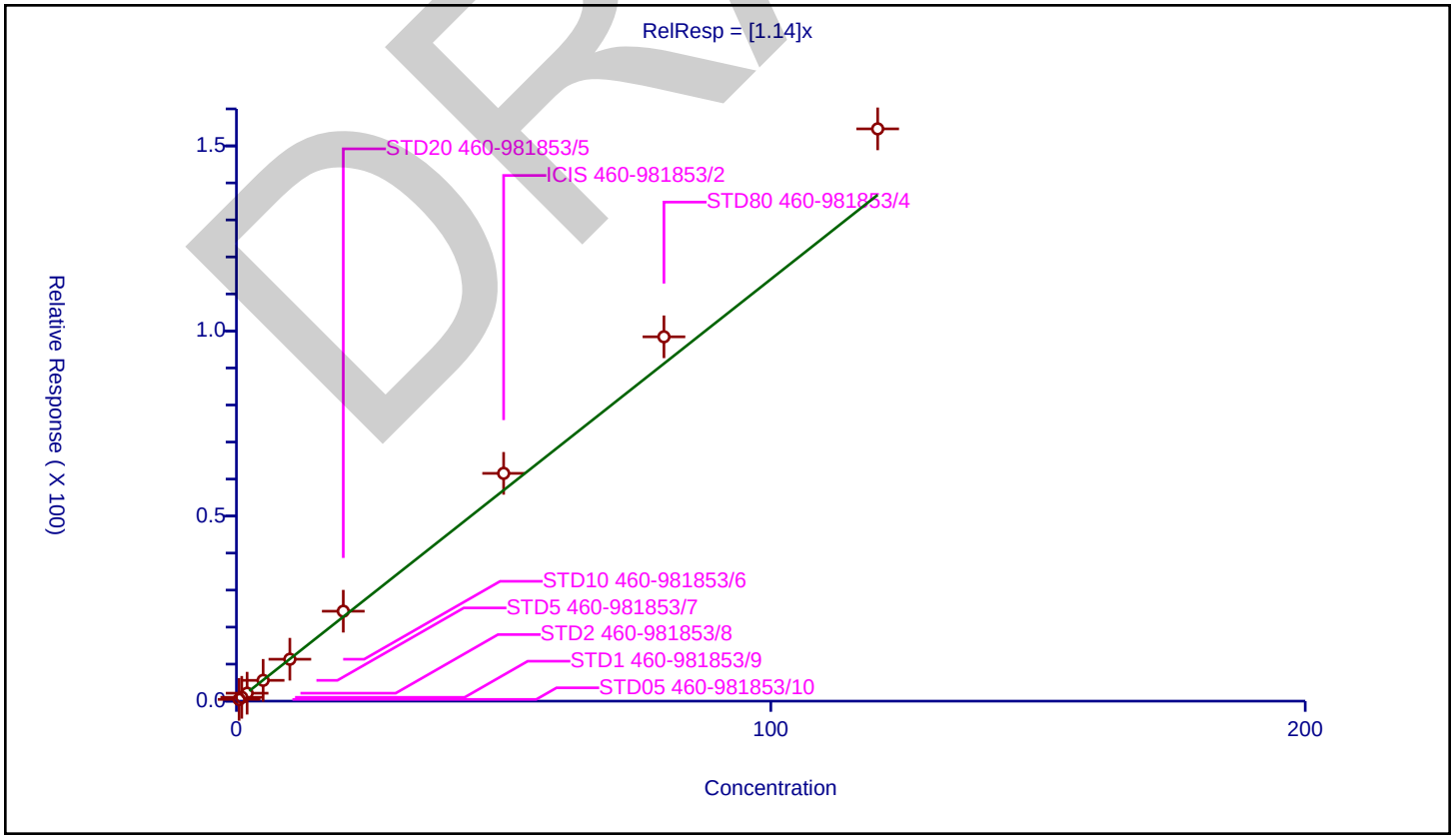
Curve Coefficients

Intercept:	0
Slope:	1.14

Error Coefficients

Relative Standard Deviation:	9.9

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD05 460-981853/10	0.5	0.467945	40.0	704783.0	0.935891	Y
2	STD1 460-981853/9	1.0	1.029179	40.0	686489.0	1.029179	Y
3	STD2 460-981853/8	2.0	2.148313	40.0	688503.0	1.074157	Y
4	STD5 460-981853/7	5.0	5.61413	40.0	718936.0	1.122826	Y
5	STD10 460-981853/6	10.0	11.318528	40.0	699674.0	1.131853	Y
6	STD20 460-981853/5	20.0	24.292635	40.0	686916.0	1.214632	Y
7	ICIS 460-981853/2	50.0	61.538991	40.0	673701.0	1.23078	Y
8	STD80 460-981853/4	80.0	98.426581	40.0	734261.0	1.230332	Y
9	STD120 460-981853/3	120.0	154.60337	40.0	692232.0	1.288361	Y



DRAFT

Calibration / Dibenz(a,h)anthracene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

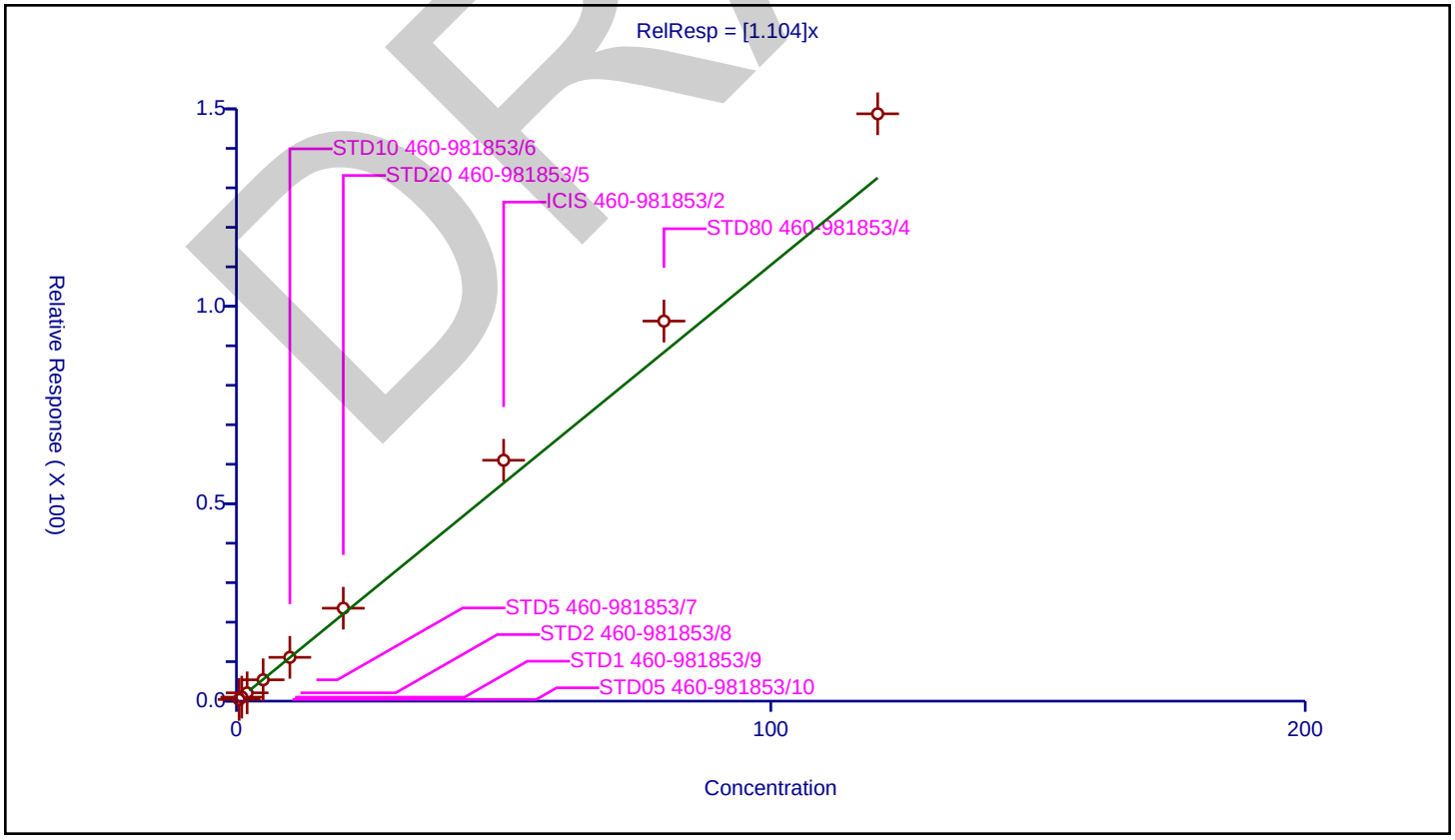
Curve Coefficients

Intercept:	0
Slope:	1.104

Error Coefficients

Relative Standard Deviation:	11.3

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD05 460-981853/10	0.5	0.423393	40.0	704783.0	0.846785	Y
2	STD1 460-981853/9	1.0	1.013971	40.0	686489.0	1.013971	Y
3	STD2 460-981853/8	2.0	2.099105	40.0	688503.0	1.049552	Y
4	STD5 460-981853/7	5.0	5.404876	40.0	718936.0	1.080975	Y
5	STD10 460-981853/6	10.0	11.090651	40.0	699674.0	1.109065	Y
6	STD20 460-981853/5	20.0	23.540578	40.0	686916.0	1.177029	Y
7	ICIS 460-981853/2	50.0	61.009498	40.0	673701.0	1.22019	Y
8	STD80 460-981853/4	80.0	96.256672	40.0	734261.0	1.203208	Y
9	STD120 460-981853/3	120.0	148.76082	40.0	692232.0	1.239674	Y



DRAFT

Calibration / Benzo[g,h,i]perylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

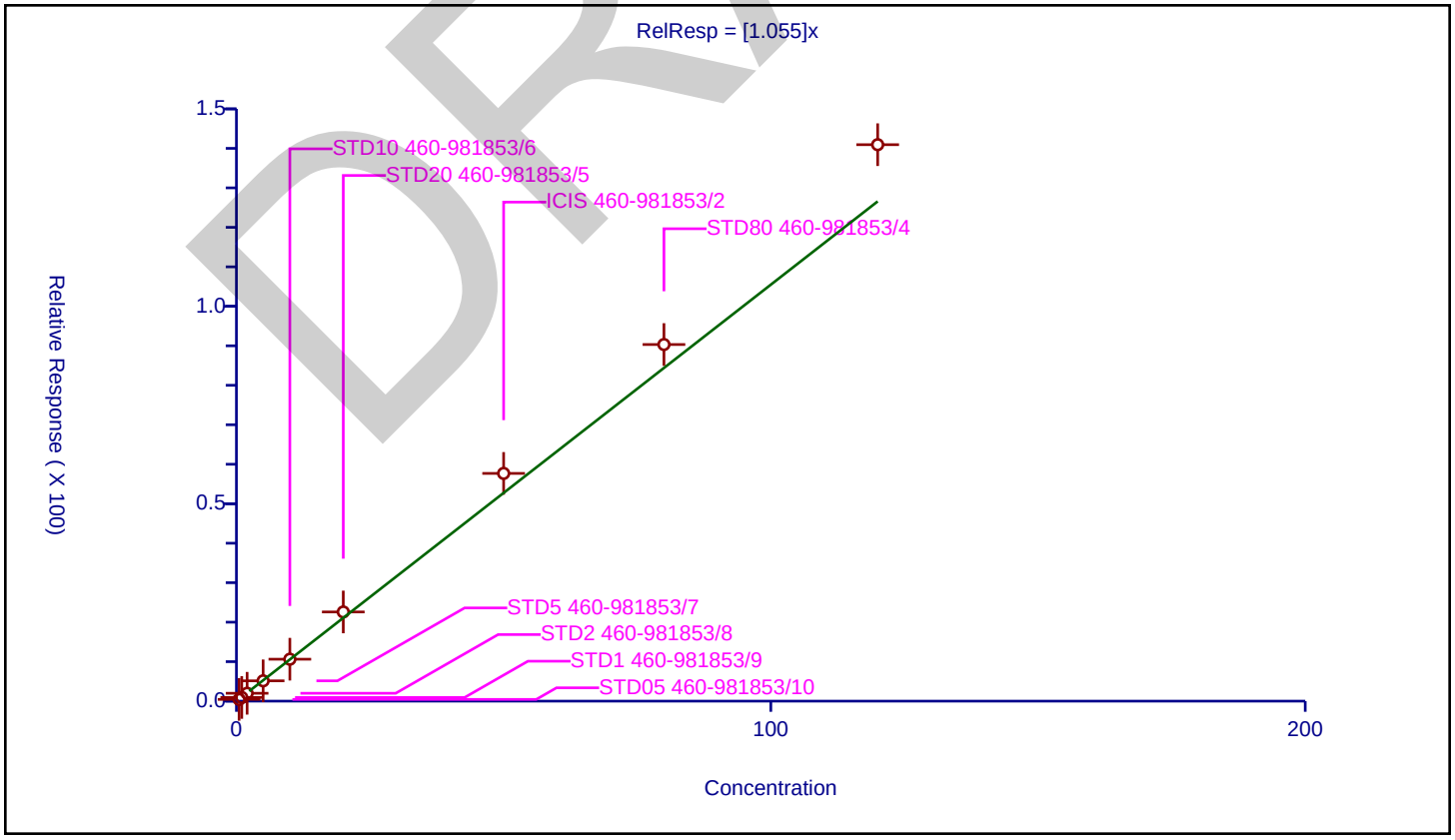
Curve Coefficients

Intercept:	0
Slope:	1.055

Error Coefficients

Relative Standard Deviation:	9.6

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD05 460-981853/10	0.5	0.442803	40.0	704783.0	0.885606	Y
2	STD1 460-981853/9	1.0	0.933445	40.0	686489.0	0.933445	Y
3	STD2 460-981853/8	2.0	1.994472	40.0	688503.0	0.997236	Y
4	STD5 460-981853/7	5.0	5.141431	40.0	718936.0	1.028286	Y
5	STD10 460-981853/6	10.0	10.62066	40.0	699674.0	1.062066	Y
6	STD20 460-981853/5	20.0	22.586692	40.0	686916.0	1.129335	Y
7	ICIS 460-981853/2	50.0	57.680188	40.0	673701.0	1.153604	Y
8	STD80 460-981853/4	80.0	90.320799	40.0	734261.0	1.12901	Y
9	STD120 460-981853/3	120.0	140.934022	40.0	692232.0	1.17445	Y



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FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Lab Sample ID: CCVIS 460-984002/2 Calibration Date: 07/08/2024 08:34

Instrument ID: CBNAMS11 Calib Start Date: 06/24/2024 06:06

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 06/24/2024 09:07

Lab File ID: Z86929.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.6141	0.5728		46600	50000	-6.7	20.0
N-Nitrosodimethylamine	Ave	1.085	0.9016		41500	50000	-16.9	20.0
Pyridine	Ave	1.569	1.332		84900	100000	-15.1	20.0
Benzaldehyde	Ave	1.529	0.7403	0.0100	9680	20000	-51.6*	20.0
Phenol	Ave	2.146	2.013	0.8000	46900	50000	-6.2	20.0
Aniline	Ave	2.475	2.148		43400	50000	-13.2	20.0
Bis(2-chloroethyl)ether	Ave	1.626	1.407	0.7000	43300	50000	-13.4	20.0
2-Chlorophenol	Ave	1.506	1.451	0.8000	48200	50000	-3.7	20.0
n-Decane	Ave	2.417	1.606		33200	50000	-33.6*	20.0
1,3-Dichlorobenzene	Ave	1.510	1.497		49600	50000	-0.8	20.0
1,4-Dichlorobenzene	Ave	1.532	1.517		49500	50000	-0.9	20.0
Benzyl alcohol	Ave	1.061	0.995		46900	50000	-6.1	20.0
1,2-Dichlorobenzene	Ave	1.448	1.446	0.0100	49900	50000	-0.2	20.0
2-Methylphenol	Ave	1.415	1.280	0.7000	45200	50000	-9.6	20.0
2,2'-oxybis[1-chloropropane]	Ave	3.269	2.092	0.0100	32000	50000	-36.0*	20.0
N-Methylaniline	Ave	2.505	2.233		44600	50000	-10.9	20.0
Acetophenone	Ave	2.223	1.933	0.0100	43500	50000	-13.1	20.0
N-Nitrosodi-n-propylamine	Ave	1.382	1.075	0.5000	38900	50000	-22.2*	20.0
3 & 4 Methylphenol	Ave	1.636	1.404		42900	50000	-14.2	20.0
4-Methylphenol	Ave	1.636	1.404	0.6000	42900	50000	-14.2	20.0
Hexachloroethane	Ave	0.5824	0.5585	0.3000	47900	50000	-4.1	20.0
n,n'-Dimethylaniline	Ave	2.345	2.126		45300	50000	-9.3	20.0
Nitrobenzene	Ave	0.7450	0.7054	0.2000	47300	50000	-5.3	20.0
Isophorone	Ave	0.8314	0.7241	0.4000	43500	50000	-12.9	20.0
2-Nitrophenol	Ave	0.1973	0.2056	0.1000	52100	50000	4.2	20.0
2,4-Dimethylphenol	Ave	0.2792	0.2721	0.2000	48700	50000	-2.6	20.0
Bis(2-chloroethoxy)methane	Ave	0.4983	0.4483	0.3000	45000	50000	-10.0	20.0
Benzoic acid	Lin2		0.2574		51300	50000	2.5	20.0
2,4-Dichlorophenol	Ave	0.2741	0.2960	0.2000	54000	50000	8.0	20.0
1,2,4-Trichlorobenzene	Ave	0.2896	0.3126		54000	50000	7.9	20.0
Naphthalene	Ave	1.052	1.037	0.7000	49300	50000	-1.5	20.0
4-Chloroaniline	Ave	0.4538	0.4360	0.0100	48000	50000	-3.9	20.0
Hexachlorobutadiene	Ave	0.1523	0.1719	0.0100	56400	50000	12.8	20.0
Caprolactam	Ave	0.1217	0.1186	0.0100	19500	20000	-2.5	20.0
4-Chloro-3-methylphenol	Ave	0.3124	0.3025	0.2000	48400	50000	-3.2	20.0
2-Methylnaphthalene	Ave	0.6998	0.6830	0.4000	48800	50000	-2.4	20.0
1-Methylnaphthalene	Ave	0.6403	0.6291		49100	50000	-1.8	20.0
Hexachlorocyclopentadiene	Ave	0.3078	0.3191	0.0500	51800	50000	3.7	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5605	0.5903	0.0100	52700	50000	5.3	20.0
2-tertbutyl-4-methylphenol	Ave	0.4162	0.4262		51200	50000	2.4	20.0
2,4,6-Trichlorophenol	Ave	0.3803	0.4095	0.2000	53800	50000	7.7	20.0

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FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Lab Sample ID: CCVIS 460-984002/2 Calibration Date: 07/08/2024 08:34

Instrument ID: CBNAMS11 Calib Start Date: 06/24/2024 06:06

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 06/24/2024 09:07

Lab File ID: Z86929.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4,5-Trichlorophenol	Ave	0.4143	0.4438	0.2000	53600	50000	7.1	20.0
1,1'-Biphenyl	Ave	1.570	1.510	0.0100	48100	50000	-3.9	20.0
2-Chloronaphthalene	Ave	1.181	1.188	0.8000	50300	50000	0.5	20.0
Phenyl ether	Ave	0.8334	0.8576		51500	50000	2.9	20.0
2-Nitroaniline	Ave	0.6050	0.4105	0.0100	33900	50000	-32.1*	20.0
1,3-Dimethylnaphthalene	Ave	0.998	0.9782		49000	50000	-2.0	20.0
Dimethyl phthalate	Ave	1.356	1.331	0.0100	49100	50000	-1.8	20.0
Coumarin	Ave	0.2626	0.2653		50500	50000	1.0	20.0
2,6-Dinitrotoluene	Ave	0.3039	0.3253	0.2000	53500	50000	7.0	20.0
Acenaphthylene	Ave	1.852	1.837	0.9000	49600	50000	-0.8	20.0
3-Nitroaniline	Ave	0.6109	0.4672	0.0100	38200	50000	-23.5*	20.0
Acenaphthene	Ave	1.136	1.072	0.9000	47200	50000	-5.6	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	0.8776	0.9403		53600	50000	7.1	20.0
2,4-Dinitrophenol	Lin2		0.2304	0.0100	107000	100000	7.0	20.0
4-Nitrophenol	Ave	0.3532	0.2721	0.0100	77000	100000	-23.0*	20.0
Dibenzofuran	Ave	1.668	1.664	0.8000	49900	50000	-0.2	20.0
2,4-Dinitrotoluene	Ave	0.4143	0.4296	0.2000	51800	50000	3.7	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3360	0.3639	0.0100	54200	50000	8.3	20.0
Diethyl phthalate	Ave	1.388	1.336	0.0100	48100	50000	-3.7	20.0
Fluorene	Ave	1.372	1.335	0.9000	48600	50000	-2.7	20.0
4-Chlorophenyl phenyl ether	Ave	0.6070	0.6308	0.4000	52000	50000	3.9	20.0
4-Nitroaniline	Ave	0.3759	0.3769	0.0100	50100	50000	0.3	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1379	0.1518	0.0100	110000	100000	10.1	20.0
N-Nitrosodiphenylamine	Ave	0.5401	0.5300	0.0100	49100	50000	-1.9	20.0
1,2-Diphenylhydrazine	Ave	0.999	0.7824		39100	50000	-21.7*	20.0
Azobenzene	Ave	0.999	0.7816		39100	50000	-21.7*	20.0
4-Bromophenyl phenyl ether	Ave	0.2087	0.2196	0.1000	52600	50000	5.2	20.0
Hexachlorobenzene	Ave	0.2588	0.2885	0.1000	55700	50000	11.5	20.0
Atrazine	Ave	0.1984	0.2208	0.0100	22300	20000	11.3	20.0
Pentachlorophenol	Ave	0.1703	0.1863	0.0500	109000	100000	9.4	20.0
Pentachloronitrobenzene	Ave	0.0845	0.0862	0.0100	51000	50000	2.0	20.0
n-Octadecane	Ave	0.7775	0.5514		35500	50000	-29.1*	20.0
Phenanthrene	Ave	1.042	1.013	0.7000	48600	50000	-2.8	20.0
Anthracene	Ave	1.070	1.049	0.7000	49000	50000	-1.9	20.0
Carbazole	Ave	1.024	0.9871	0.0100	48200	50000	-3.6	20.0
Di-n-butyl phthalate	Ave	1.267	1.215	0.0100	47900	50000	-4.1	20.0
Fluoranthene	Ave	1.136	1.099	0.6000	48400	50000	-3.2	20.0
Benzidine	Ave	0.5606	0.4938		44000	50000	-11.9	20.0
Pyrene	Ave	1.427	1.386	0.6000	48600	50000	-2.9	20.0
Bisphenol-A	Ave	0.6122	0.6189		50500	50000	1.1	20.0

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FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Lab Sample ID: CCVIS 460-984002/2 Calibration Date: 07/08/2024 08:34

Instrument ID: CBNAMS11 Calib Start Date: 06/24/2024 06:06

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 06/24/2024 09:07

Lab File ID: Z86929.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Butyl benzyl phthalate	Ave	0.6613	0.6290	0.0100	47600	50000	-4.9	20.0
2,3,7,8-TCDD	Ave	0.2121	0.2625		619	500	23.7*	20.0
Carbamazepine	Lin2		0.5593		52200	50000	4.5	20.0
3,3'-Dichlorobenzidine	Ave	0.5349	0.5503	0.0100	51400	50000	2.9	20.0
Benzo[a]anthracene	Ave	1.369	1.331	0.8000	48600	50000	-2.8	20.0
Chrysene	Ave	1.242	1.253	0.7000	50400	50000	0.9	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.9052	0.8998	0.0100	49700	50000	-0.6	20.0
Di-n-octyl phthalate	Ave	1.397	1.277	0.0100	45700	50000	-8.6	20.0
Benzo[b]fluoranthene	Ave	1.142	1.137		49800	50000	-0.4	20.0
Benzo[k]fluoranthene	Ave	1.174	1.184	0.7000	50400	50000	0.9	20.0
Benzo[a]pyrene	Ave	1.063	1.077	0.7000	50600	50000	1.3	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.150	1.247	0.5000	54200	50000	8.4	20.0
Dibenz(a,h)anthracene	Ave	1.125	1.241	0.4000	55200	50000	10.3	20.0
Benzo[g,h,i]perylene	Ave	1.059	1.146	0.5000	54100	50000	8.1	20.0
2-Fluorophenol (Surr)	Ave	1.512	1.481		49000	50000	-2.0	20.0
Phenol-d5 (Surr)	Ave	2.120	1.955		46100	50000	-7.8	20.0
Nitrobenzene-d5 (Surr)	Ave	0.4791	0.4216		44000	50000	-12.0	20.0
2-Fluorobiphenyl	Ave	1.439	1.479		51400	50000	2.7	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.3013	0.3600		59700	50000	19.5	20.0
Terphenyl-d14 (Surr)	Ave	1.202	1.268		52700	50000	5.5	20.0

DRAFT

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS11\20240708-178078.b\Z86929.d
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 08-Jul-2024 08:34:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0178078-002
Operator ID: Instrument ID: CBNAMS11
Sublist: chrom-8270_11R_9*sub51

Method: \\chromfs\Edison\ChromData\CBNAMS11\20240708-178078.b\8270_11R_9.m
Limit Group: SV 8270E ICAL
Last Update: 08-Jul-2024 09:40:44 Calib Date: 24-Jun-2024 09:07:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS11\20240624-177537.b\Z86744.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1604

First Level Reviewer: QQ8R Date: 08-Jul-2024 08:54:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.566	1.566	0.000	96	239293	50.0	46.6	
2 N-Nitrosodimethylamine	74	1.783	1.783	0.000	92	376627	50.0	41.5	
3 Pyridine	79	1.806	1.806	0.000	92	1112958	100.0	84.9	
$ 4 2-Fluorophenol	112	2.856	2.856	0.000	95	618867	50.0	49.0	
5 Benzaldehyde	77	3.699	3.699	0.000	98	123700	20.0	9.68	
$ 6 Phenol-d5	99	3.772	3.772	0.000	98	816510	50.0	46.1	
7 Phenol	94	3.785	3.785	0.000	98	840837	50.0	46.9	
8 Aniline	93	3.804	3.804	0.000	98	897201	50.0	43.4	
9 Bis(2-chloroethyl)ether	93	3.875	3.875	0.000	95	587842	50.0	43.3	
11 2-Chlorophenol	128	3.916	3.916	0.000	96	606055	50.0	48.2	
12 n-Decane	43	3.967	3.967	0.000	92	671018	50.0	33.2	
13 1,3-Dichlorobenzene	146	4.063	4.063	0.000	95	625365	50.0	49.6	
* 14 1,4-Dichlorobenzene-d4	152	4.121	4.121	0.000	95	334203	40.0	40.0	
15 1,4-Dichlorobenzene	146	4.137	4.137	0.000	94	633929	50.0	49.5	
16 Benzyl alcohol	108	4.264	4.264	0.000	94	415864	50.0	46.9	
17 1,2-Dichlorobenzene	146	4.284	4.284	0.000	96	604088	50.0	49.9	
18 2-Methylphenol	108	4.376	4.376	0.000	91	534652	50.0	45.2	
19 2,2'-oxybis[1-chloropropane]	45	4.392	4.392	0.000	94	873810	50.0	32.0	a
20 N-Methylaniline	106	4.511	4.511	0.000	93	932680	50.0	44.6	a
22 Acetophenone	105	4.523	4.523	0.000	93	807419	50.0	43.5	
21 N-Nitrosodi-n-propylamine	70	4.530	4.530	0.000	87	449032	50.0	38.9	
23 3 & 4 Methylphenol	108	4.533	4.533	0.000	83	586682	50.0	42.9	
24 4-Methylphenol	108	4.533	4.533	0.000	94	586682	50.0	42.9	
25 Hexachloroethane	117	4.610	4.610	0.000	97	233297	50.0	47.9	
$ 26 Nitrobenzene-d5	82	4.667	4.667	0.000	87	683368	50.0	44.0	
27 Nitrobenzene	123	4.690	4.690	0.000	86	294677	50.0	47.3	
28 n,n'-Dimethylaniline	120	4.690	4.690	0.000	86	888226	50.0	45.3	
31 Isophorone	82	4.926	4.926	0.000	100	1173738	50.0	43.5	
32 2-Nitrophenol	139	4.996	4.996	0.000	94	333293	50.0	52.1	
33 2,4-Dimethylphenol	122	5.047	5.047	0.000	92	441008	50.0	48.7	
34 Bis(2-chloroethoxy)methane	93	5.143	5.143	0.000	99	726606	50.0	45.0	

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Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
35 Benzoic acid	122	5.194	5.194	0.000	87	417200	50.0	51.3	
36 2,4-Dichlorophenol	162	5.233	5.233	0.000	96	479744	50.0	54.0	
37 1,2,4-Trichlorobenzene	180	5.309	5.309	0.000	94	506692	50.0	54.0	
* 38 Naphthalene-d8	136	5.361	5.361	0.000	99	1296716	40.0	40.0	
39 Naphthalene	128	5.383	5.383	0.000	99	1680336	50.0	49.3	
40 4-Chloroaniline	127	5.447	5.447	0.000	96	706699	50.0	48.0	
133 2,6-Dichlorophenol	162	5.447	5.447	0.000	97	462640	50.0	53.1	
41 Hexachlorobutadiene	225	5.504	5.504	0.000	98	278567	50.0	56.4	
42 Caprolactam	113	5.862	5.862	0.000	91	76919	20.0	19.5	M
43 4-Chloro-3-methylphenol	107	5.926	5.926	0.000	96	490241	50.0	48.4	
44 2-Methylnaphthalene	142	6.054	6.054	0.000	85	1107135	50.0	48.8	
45 1-Methylnaphthalene	142	6.147	6.147	0.000	93	1019625	50.0	49.1	
46 Hexachlorocyclopentadiene	237	6.204	6.204	0.000	98	276968	50.0	51.8	
47 1,2,4,5-Tetrachlorobenzene	216	6.214	6.214	0.000	98	512336	50.0	52.7	
48 2-tertbutyl-4-methylphenol	149	6.262	6.262	0.000	92	690892	50.0	51.2	
49 2,4,6-Trichlorophenol	196	6.329	6.329	0.000	91	355378	50.0	53.8	
50 2,4,5-Trichlorophenol	196	6.364	6.364	0.000	99	385183	50.0	53.6	
$ 51 2-Fluorobiphenyl	172	6.412	6.412	0.000	97	1283233	50.0	51.4	
52 1,1'-Biphenyl	154	6.508	6.508	0.000	96	1310159	50.0	48.1	
53 2-Chloronaphthalene	162	6.521	6.521	0.000	98	1030754	50.0	50.3	
54 Phenyl ether	170	6.610	6.610	0.000	87	744297	50.0	51.5	
55 2-Nitroaniline	65	6.630	6.630	0.000	97	356275	50.0	33.9	
57 1,3-Dimethylnaphthalene	156	6.732	6.732	0.000	93	849000	50.0	49.0	
58 Dimethyl phthalate	163	6.818	6.818	0.000	99	1155434	50.0	49.1	
59 Coumarin	146	6.828	6.828	0.000	84	429969	50.0	50.5	
60 2,6-Dinitrotoluene	165	6.873	6.873	0.000	96	282356	50.0	53.5	
63 Acenaphthylene	152	6.917	6.917	0.000	97	1594262	50.0	49.6	
64 3-Nitroaniline	65	7.026	7.026	0.000	97	405487	50.0	38.2	
* 65 Acenaphthene-d10	164	7.052	7.052	0.000	95	694311	40.0	40.0	
67 Acenaphthene	154	7.084	7.084	0.000	96	930401	50.0	47.2	
66 3,5-di-tert-butyl-4-hydroxytol	205	7.087	7.087	0.000	98	816101	50.0	53.6	
68 2,4-Dinitrophenol	184	7.135	7.135	0.000	96	399869	100.0	107.0	
69 4-Nitrophenol	65	7.208	7.208	0.000	91	472336	100.0	77.0	
71 Dibenzofuran	168	7.250	7.250	0.000	97	1444259	50.0	49.9	
70 2,4-Dinitrotoluene	165	7.253	7.253	0.000	94	372827	50.0	51.8	
72 2,3,4,6-Tetrachlorophenol	232	7.372	7.372	0.000	96	315851	50.0	54.2	
73 Diethyl phthalate	149	7.493	7.493	0.000	98	1159542	50.0	48.1	
74 Fluorene	166	7.576	7.576	0.000	94	1158687	50.0	48.6	
75 4-Chlorophenyl phenyl ether	204	7.583	7.583	0.000	90	547424	50.0	52.0	
76 4-Nitroaniline	138	7.624	7.624	0.000	91	327106	50.0	50.1	
77 4,6-Dinitro-2-methylphenol	198	7.647	7.647	0.000	89	497642	100.0	110.1	
78 N-Nitrosodiphenylamine	169	7.704	7.704	0.000	69	868699	50.0	49.1	
134 Azobenzene	77	7.736	7.736	0.000	97	1281106	50.0	39.1	
79 1,2-Diphenylhydrazine	77	7.736	7.736	0.000	50	1282374	50.0	39.1	
$ 80 2,4,6-Tribromophenol	330	7.807	7.807	0.000	91	312446	50.0	59.7	
81 4-Bromophenyl phenyl ether	248	8.046	8.046	0.000	94	359858	50.0	52.6	
82 Hexachlorobenzene	284	8.098	8.098	0.000	94	472891	50.0	55.7	
83 Atrazine	200	8.222	8.222	0.000	91	144746	20.0	22.3	
84 Pentachlorophenol	266	8.293	8.293	0.000	97	610654	100.0	109.4	
85 Pentachloronitrobenzene	237	8.302	8.302	0.000	92	141339	50.0	51.0	
86 n-Octadecane	57	8.395	8.395	0.000	91	903775	50.0	35.5	
* 87 Phenanthrene-d10	188	8.469	8.469	0.000	99	1311241	40.0	40.0	

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Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
88 Phenanthrene	178	8.491	8.491	0.000	98	1660198	50.0	48.6	
89 Anthracene	178	8.539	8.539	0.000	98	1719704	50.0	49.0	
90 Carbazole	167	8.699	8.699	0.000	96	1617972	50.0	48.2	
91 Di-n-butyl phthalate	149	9.054	9.054	0.000	100	1991768	50.0	47.9	
92 Fluoranthene	202	9.622	9.622	0.000	97	1801857	50.0	48.4	
93 Benzidine	184	9.763	9.763	0.000	100	809284	50.0	44.0	
94 Pyrene	202	9.837	9.837	0.000	96	1862654	50.0	48.6	
95 Bisphenol-A	213	9.907	9.907	0.000	99	831670	50.0	50.5	
$ 96 Terphenyl-d14	244	10.000	10.000	0.000	97	1703565	50.0	52.7	
97 Butyl benzyl phthalate	149	10.505	10.505	0.000	97	845290	50.0	47.6	
98 2,3,7,8-TCDD	320	10.569	10.569	0.000	93	3527	0.5000	0.6187	
99 Carbamazepine	193	10.604	10.604	0.000	93	751565	50.0	52.2	
100 3,3'-Dichlorobenzidine	252	11.061	11.061	0.000	99	739531	50.0	51.4	
101 Benzo[a]anthracene	228	11.074	11.074	0.000	100	1788037	50.0	48.6	
* 102 Chrysene-d12	240	11.087	11.087	0.000	99	1075011	40.0	40.0	
103 Chrysene	228	11.116	11.116	0.000	98	1683367	50.0	50.4	
104 Bis(2-ethylhexyl) phthalate	149	11.154	11.154	0.000	89	1209126	50.0	49.7	
105 Di-n-octyl phthalate	149	11.969	11.969	0.000	97	2095898	50.0	45.7	
106 Benzo[b]fluoranthene	252	12.404	12.404	0.000	98	1867026	50.0	49.8	
107 Benzo[k]fluoranthene	252	12.442	12.442	0.000	99	1943909	50.0	50.4	
108 Benzo[a]pyrene	252	12.839	12.839	0.000	96	1767331	50.0	50.6	
* 109 Perylene-d12	264	12.919	12.919	0.000	98	1313353	40.0	40.0	
110 Indeno[1,2,3-cd]pyrene	276	14.425	14.425	0.000	99	2046397	50.0	54.2	
111 Dibenz(a,h)anthracene	278	14.467	14.467	0.000	98	2038151	50.0	55.2	
112 Benzo[g,h,i]perylene	276	14.831	14.831	0.000	97	1880593	50.0	54.1	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

SV_BNA_L7_00007 Amount Added: 1.00 Units: mL

DRAFT

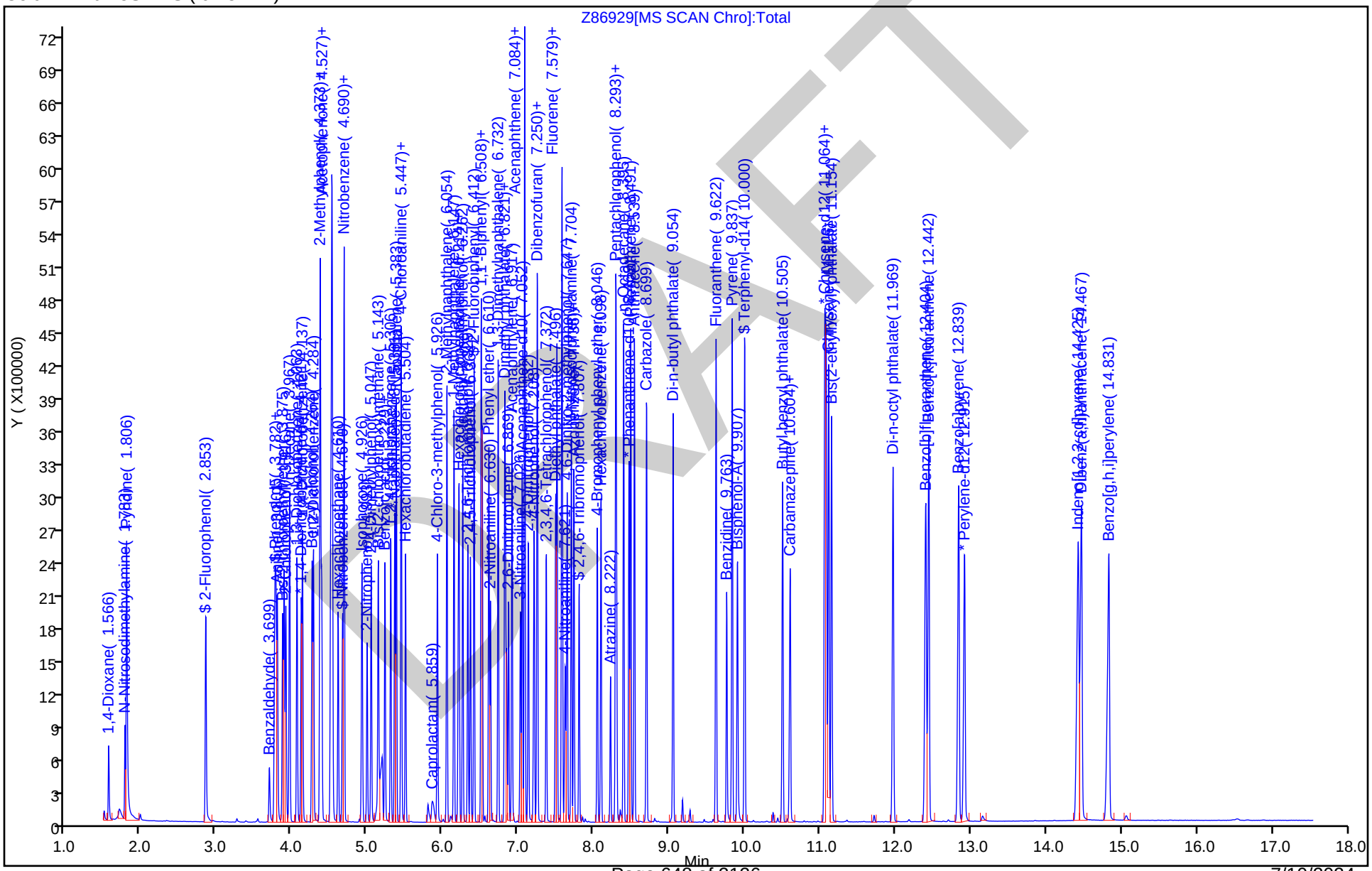
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Eurofins Edison

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Injection Date:	08-Jul-2024 08:34:30	Instrument ID:	CBNAMS11	Operator ID:	
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8270_11R_9	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

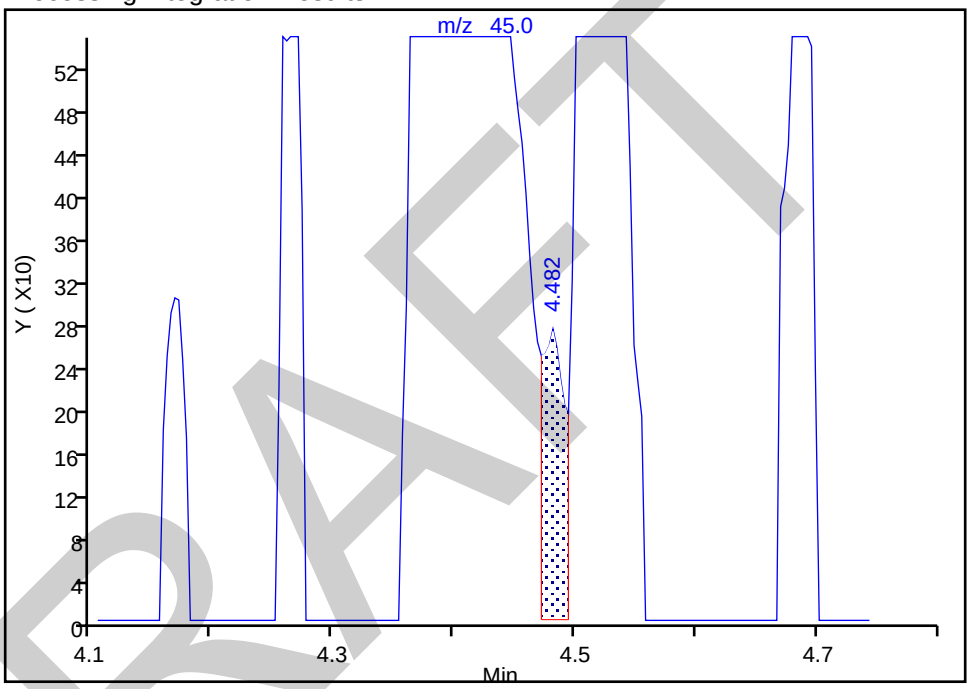
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Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_11R_9 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

19 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Signal: 1

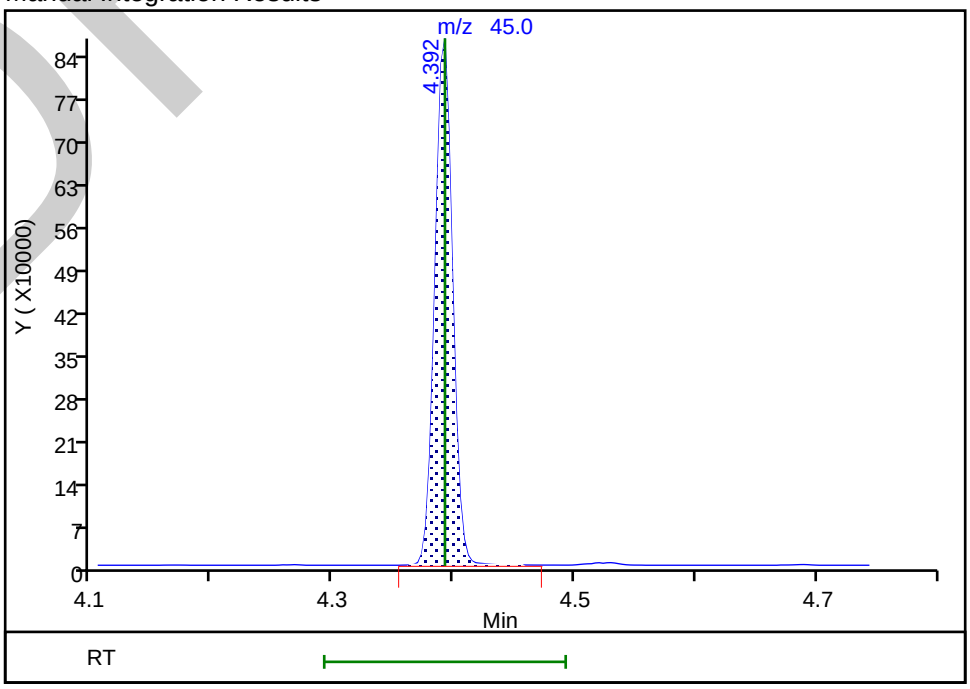
Processing Integration Results

RT: 4.48
Area: 362
Amount: 0.013255
Amount Units: ug/ml



Manual Integration Results

RT: 4.39
Area: 873810
Amount: 31.995482
Amount Units: ug/ml



Reviewer: QQ8R, 08-Jul-2024 08:53:40 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

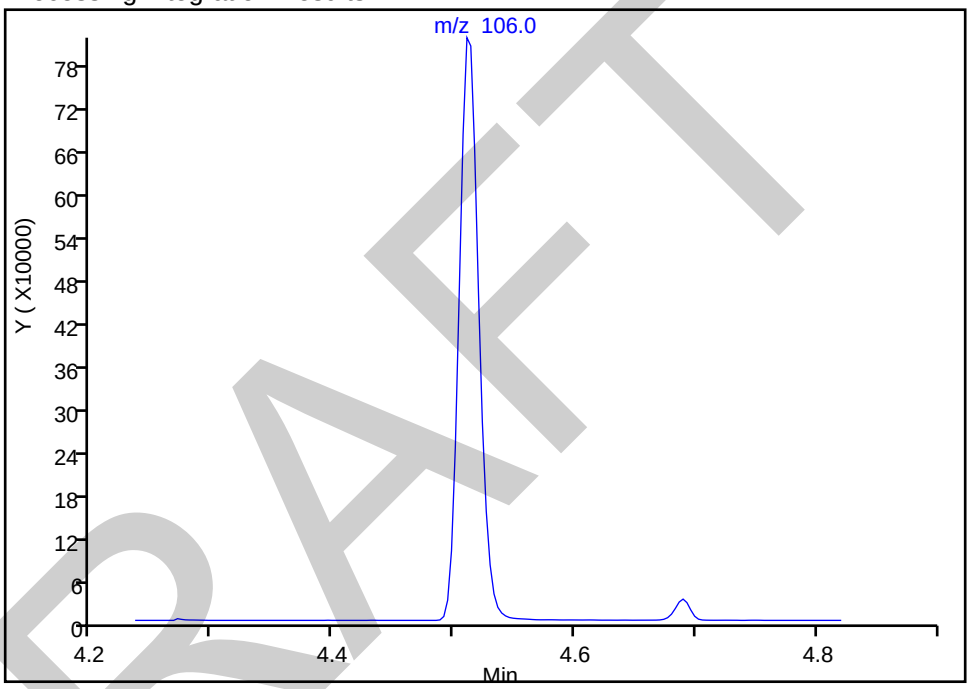
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Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_11R_9 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

20 N-Methylaniline, CAS: 100-61-8

Signal: 1

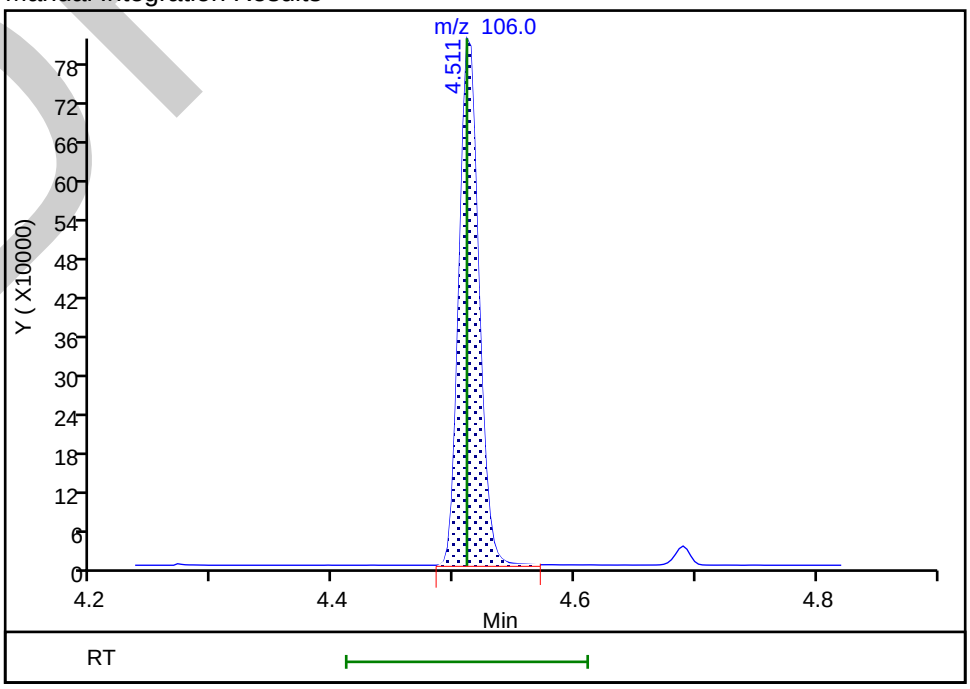
Not Detected
Expected RT: 4.51

Processing Integration Results



Manual Integration Results

RT: 4.51
Area: 932680
Amount: 44.564441
Amount Units: ug/ml



Reviewer: QQ8R, 08-Jul-2024 08:53:53 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

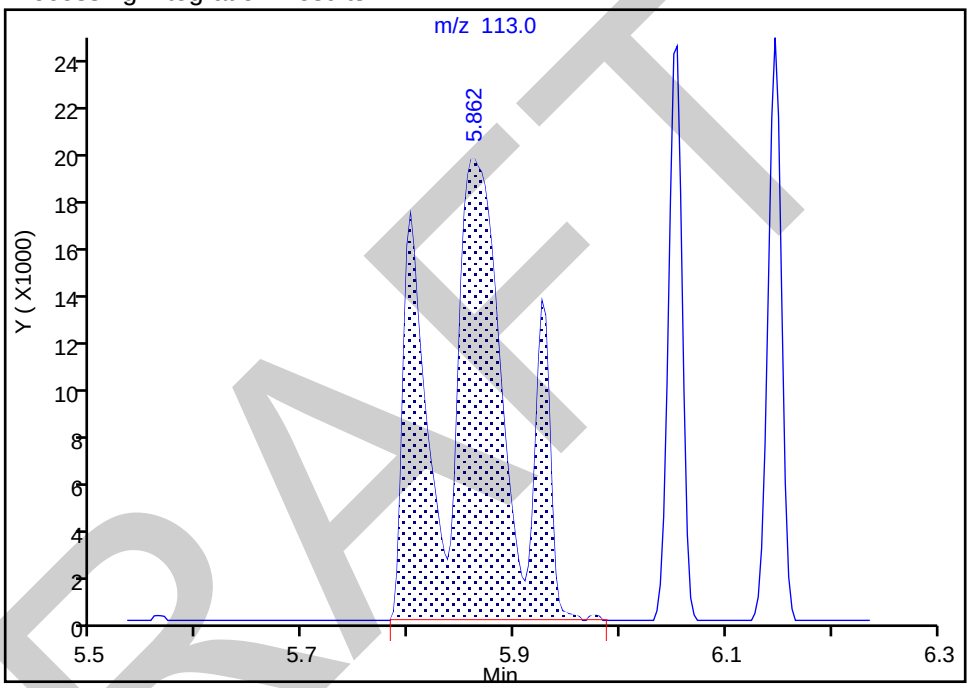
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Injection Date: 08-Jul-2024 08:34:30 Instrument ID: CBNAMS11
Lims ID: CCVIS
Client ID:
Operator ID: ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_11R_9 Limit Group: SV 8270E ICAL
Column: Rtxi-5Sil MS (0.25 mm) Detector MS SCAN

42 Caprolactam, CAS: 105-60-2

Signal: 1

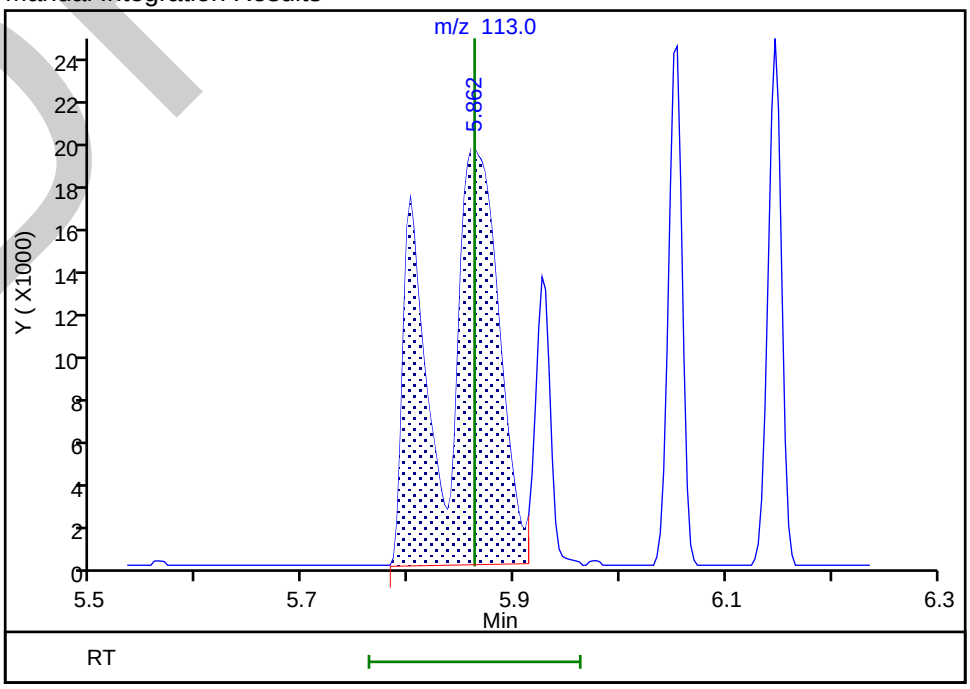
Processing Integration Results

RT: 5.86
Area: 90194
Amount: 22.870588
Amount Units: ug/ml



Manual Integration Results

RT: 5.86
Area: 76919
Amount: 19.504432
Amount Units: ug/ml



Reviewer: QQ8R, 08-Jul-2024 08:54:39 -04:00:00 (UTC)
Audit Action: Manually Integrated Audit Reason: Assign Peak

DRAFT

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Lab Sample ID: ICV 460-981853/11 Calibration Date: 06/24/2024 11:29

Instrument ID: CBNAMS12 Calib Start Date: 06/24/2024 08:05

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 06/24/2024 11:06

Lab File ID: L37513.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5617	0.5652		50300	50000	0.6	30.0
N-Nitrosodimethylamine	Ave	0.9124	0.9747		53400	50000	6.8	30.0
Pyridine	Ave	1.336	1.445		108000	100000	8.2	30.0
Benzaldehyde	Ave	1.217	0.6658	0.0100	10900	20000	-45.3*	30.0
Phenol	Ave	1.855	1.954	0.8000	52700	50000	5.3	30.0
Aniline	Ave	2.135	2.261		52900	50000	5.9	30.0
Bis(2-chloroethyl)ether	Ave	1.316	1.448	0.7000	55000	50000	10.0	30.0
2-Chlorophenol	Ave	1.438	1.506	0.8000	52400	50000	4.8	30.0
n-Decane	Ave	1.597	1.650		51700	50000	3.4	30.0
1,3-Dichlorobenzene	Ave	1.490	1.556		52200	50000	4.4	30.0
1,4-Dichlorobenzene	Ave	1.491	1.559		52300	50000	4.5	30.0
Benzyl alcohol	Ave	0.9237	0.9603		52000	50000	4.0	30.0
1,2-Dichlorobenzene	Ave	1.432	1.488	0.0100	52000	50000	3.9	30.0
2-Methylphenol	Ave	1.242	1.290	0.7000	51900	50000	3.8	30.0
2,2'-oxybis[1-chloropropane]	Ave	2.095	2.119	0.0100	50600	50000	1.2	30.0
N-Methylaniline	Ave	2.138	2.096		49000	50000	-1.9	30.0
3 & 4 Methylphenol	Ave	1.417	1.443		50900	50000	1.8	30.0
4-Methylphenol	Ave	1.417	1.443	0.6000	50900	50000	1.8	30.0
N-Nitrosodi-n-propylamine	Ave	1.046	1.091	0.5000	52100	50000	4.3	30.0
Acetophenone	Ave	1.938	1.983	0.0100	51200	50000	2.3	30.0
Hexachloroethane	Ave	0.5814	0.6052	0.3000	52000	50000	4.1	30.0
n,n'-Dimethylaniline	Ave	2.050	2.053		50100	50000	0.2	30.0
Nitrobenzene	Ave	0.6411	0.6826	0.2000	53200	50000	6.5	30.0
Isophorone	Ave	0.7138	0.7405	0.4000	51900	50000	3.8	30.0
2-Nitrophenol	Ave	0.1968	0.2060	0.1000	52400	50000	4.7	30.0
2,4-Dimethylphenol	Ave	0.2608	0.2777	0.2000	53200	50000	6.5	30.0
Bis(2-chloroethoxy)methane	Ave	0.4388	0.4595	0.3000	52400	50000	4.7	30.0
Benzoic acid	Ave	0.2243	0.2481		55300	50000	10.6	30.0
2,4-Dichlorophenol	Ave	0.2799	0.2984	0.2000	53300	50000	6.6	30.0
1,2,4-Trichlorobenzene	Ave	0.3097	0.3275		52900	50000	5.8	30.0
Naphthalene	Ave	1.014	1.059	0.7000	52200	50000	4.5	30.0
4-Chloroaniline	Ave	0.4361	0.4611	0.0100	52900	50000	5.7	30.0
Hexachlorobutadiene	Ave	0.1680	0.1800	0.0100	53600	50000	7.2	30.0
Caprolactam	Lin1		0.0988	0.0100	17500	20000	-12.5	30.0
4-Chloro-3-methylphenol	Ave	0.2976	0.3177	0.2000	53400	50000	6.8	30.0
2-Methylnaphthalene	Ave	0.6700	0.7104	0.4000	53000	50000	6.0	30.0
1-Methylnaphthalene	Ave	0.6126	0.6406		52300	50000	4.6	30.0
Hexachlorocyclopentadiene	Ave	0.3132	0.3432	0.0500	54800	50000	9.6	30.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5850	0.6157	0.0100	52600	50000	5.2	30.0
2-tertbutyl-4-methylphenol	Ave	0.3992	0.4021		50400	50000	0.7	30.0
2,4,6-Trichlorophenol	Ave	0.3872	0.4171	0.2000	53900	50000	7.7	30.0

DRAFT

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Lab Sample ID: ICV 460-981853/11 Calibration Date: 06/24/2024 11:29

Instrument ID: CBNAMS12 Calib Start Date: 06/24/2024 08:05

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 06/24/2024 11:06

Lab File ID: L37513.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4,5-Trichlorophenol	Ave	0.4196	0.4560	0.2000	54300	50000	8.7	30.0
1,1'-Biphenyl	Ave	1.526	1.611	0.0100	52800	50000	5.6	30.0
2-Chloronaphthalene	Ave	1.203	1.271	0.8000	52800	50000	5.7	30.0
Phenyl ether	Ave	0.8203	0.8266		50400	50000	0.8	30.0
2-Nitroaniline	Ave	0.4088	0.4282	0.0100	52400	50000	4.8	30.0
1,3-Dimethylnaphthalene	Ave	0.9661	0.9862		51000	50000	2.1	30.0
Dimethyl phthalate	Ave	1.354	1.410	0.0100	52100	50000	4.2	30.0
Coumarin	Ave	0.2534	0.2530		49900	50000	-0.1	30.0
2,6-Dinitrotoluene	Ave	0.2994	0.3263	0.2000	54500	50000	9.0	30.0
Acenaphthylene	Ave	1.819	1.908	0.9000	52500	50000	4.9	30.0
3-Nitroaniline	Ave	0.3730	0.3930	0.0100	52700	50000	5.4	30.0
3,5-di-tert-butyl-4-hydroxytol	Ave	0.8335	0.8673		52000	50000	4.1	30.0
Acenaphthene	Ave	1.100	1.142	0.9000	51900	50000	3.8	30.0
2,4-Dinitrophenol	Lin2		0.2081	0.0100	107000	100000	6.8	30.0
4-Nitrophenol	Ave	0.2607	0.2800	0.0100	107000	100000	7.4	30.0
Dibenzofuran	Ave	1.643	1.712	0.8000	52100	50000	4.2	30.0
2,4-Dinitrotoluene	Ave	0.4005	0.4386	0.2000	54800	50000	9.5	30.0
2,3,4,6-Tetrachlorophenol	Ave	0.3387	0.3579	0.0100	52800	50000	5.7	30.0
n-Octadecane	Ave	0.5136	0.5339		52000	50000	4.0	30.0
Diethyl phthalate	Ave	1.383	1.417	0.0100	51200	50000	2.5	30.0
4-Chlorophenyl phenyl ether	Ave	0.5957	0.6362	0.4000	53400	50000	6.8	30.0
Fluorene	Ave	1.318	1.388	0.9000	52700	50000	5.3	30.0
4-Nitroaniline	Ave	0.3541	0.3785	0.0100	53400	50000	6.9	30.0
4,6-Dinitro-2-methylphenol	Ave	0.1288	0.1478	0.0100	115000	100000	14.8	30.0
N-Nitrosodiphenylamine	Ave	0.5185	0.5453	0.0100	52600	50000	5.2	30.0
1,2-Diphenylhydrazine	Ave	0.8108	0.8417		51900	50000	3.8	30.0
Azobenzene	Ave	0.8115	0.8417		51900	50000	3.7	20.0
4-Bromophenyl phenyl ether	Ave	0.2088	0.2238	0.1000	53600	50000	7.2	30.0
Hexachlorobenzene	Ave	0.2654	0.2904	0.1000	54700	50000	9.4	30.0
Atrazine	Ave	0.1940	0.2006	0.0100	20700	20000	3.4	30.0
Pentachlorophenol	Ave	0.1604	0.1828	0.0500	114000	100000	13.9	30.0
Pentachloronitrobenzene	Ave	0.0950	0.0982	0.0100	51700	50000	3.4	30.0
Phenanthrene	Ave	1.022	1.078	0.7000	52800	50000	5.6	30.0
Anthracene	Ave	1.043	1.117	0.7000	53500	50000	7.1	30.0
Carbazole	Ave	0.9873	1.048	0.0100	53100	50000	6.2	30.0
Di-n-butyl phthalate	Ave	1.235	1.334	0.0100	54000	50000	8.0	30.0
Fluoranthene	Ave	1.092	1.173	0.6000	53700	50000	7.3	30.0
Benzidine	Ave	0.5852	0.6072		51900	50000	3.8	30.0
Pyrene	Ave	1.441	1.496	0.6000	51900	50000	3.8	30.0
Bisphenol-A	Ave	0.6415	0.6556		51100	50000	2.2	30.0

DRAFT

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Lab Sample ID: ICV 460-981853/11 Calibration Date: 06/24/2024 11:29

Instrument ID: CBNAMS12 Calib Start Date: 06/24/2024 08:05

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 06/24/2024 11:06

Lab File ID: L37513.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Butyl benzyl phthalate	Ave	0.6734	0.7213	0.0100	53600	50000	7.1	30.0
Carbamazepine	Ave	0.5339	0.5888		55100	50000	10.3	30.0
3,3'-Dichlorobenzidine	Ave	0.5346	0.5807	0.0100	54300	50000	8.6	30.0
Benzo[a]anthracene	Ave	1.344	1.405	0.8000	52300	50000	4.6	30.0
Bis(2-ethylhexyl) phthalate	Ave	0.9450	1.007	0.0100	53300	50000	6.5	30.0
Chrysene	Ave	1.234	1.282	0.7000	52000	50000	3.9	30.0
Di-n-octyl phthalate	Ave	1.360	1.444	0.0100	53100	50000	6.2	30.0
Benzo[b]fluoranthene	Ave	1.097	1.215		55300	50000	10.7	30.0
Benzo[k]fluoranthene	Ave	1.120	1.215	0.7000	54300	50000	8.5	30.0
Benzo[a]pyrene	Ave	1.035	1.140	0.7000	55100	50000	10.1	30.0
Indeno[1,2,3-cd]pyrene	Ave	1.140	1.288	0.5000	56500	50000	13.0	30.0
Dibenz(a,h)anthracene	Ave	1.104	1.280	0.4000	58000	50000	15.9	30.0
Benzo[g,h,i]perylene	Ave	1.055	1.198	0.5000	56800	50000	13.6	30.0

DRAFT

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37513.d
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 24-Jun-2024 11:29:30 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0177545-011
Operator ID: Instrument ID: CBNAMS12
Sublist:

Method: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\8270_12R_9.m
Limit Group: SV 8270E ICAL
Last Update: 24-Jun-2024 11:51:13 Calib Date: 24-Jun-2024 11:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37512.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1642

First Level Reviewer: G4KC Date: 24-Jun-2024 11:51:44

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1	1,4-Dioxane	88	1.709	1.712	-0.003	96	147873	50.0	50.3	
2	N-Nitrosodimethylamine	74	1.954	1.954	-0.001	91	255008	50.0	53.4	
3	Pyridine	79	1.974	1.973	0.000	92	755981	100.0	108.2	
5	Benzaldehyde	77	3.959	3.960	-0.001	97	69682	20.0	10.9	
7	Phenol	94	4.013	4.013	-0.001	98	511267	50.0	52.7	
8	Aniline	93	4.055	4.055	-0.001	100	591601	50.0	52.9	
9	Bis(2-chloroethyl)ether	93	4.119	4.119	-0.001	93	378776	50.0	55.0	
10	2-Chlorophenol	128	4.163	4.160	0.002	96	394103	50.0	52.4	
11	n-Decane	43	4.183	4.183	-0.002	92	431738	50.0	51.7	
12	1,3-Dichlorobenzene	146	4.310	4.311	-0.001	95	407071	50.0	52.2	
* 13	1,4-Dichlorobenzene-d4	152	4.368	4.369	-0.001	96	209308	40.0	40.0	
14	1,4-Dichlorobenzene	146	4.387	4.384	0.002	94	407836	50.0	52.3	
15	Benzyl alcohol	108	4.505	4.502	0.002	92	251239	50.0	52.0	
16	1,2-Dichlorobenzene	146	4.528	4.527	-0.001	95	389331	50.0	52.0	
17	2-Methylphenol	108	4.601	4.601	-0.001	90	337455	50.0	51.9	
18	2,2'-oxybis[1-chloropropane]	45	4.623	4.620	0.002	94	554514	50.0	50.6	
130	N-Methylaniline	106	4.751	4.751	-0.001	93	548509	50.0	49.0	a
20	3 & 4 Methylphenol	108	4.754	4.754	-0.001	91	377509	50.0	50.9	
19	4-Methylphenol	108	4.754	4.754	-0.001	84	377509	50.0	50.9	
21	N-Nitrosodi-n-propylamine	70	4.761	4.757	0.002	78	285347	50.0	52.1	
22	Acetophenone	105	4.764	4.764	-0.001	94	518839	50.0	51.2	
25	Hexachloroethane	117	4.847	4.847	-0.001	96	158351	50.0	52.0	
28	n,n'-Dimethylaniline	120	4.921	4.920	-0.002	97	537208	50.0	50.1	
27	Nitrobenzene	123	4.933	4.933	-0.001	96	178595	50.0	53.2	
29	Isophorone	82	5.154	5.154	-0.001	100	715078	50.0	51.9	
30	2-Nitrophenol	139	5.230	5.230	-0.001	91	198925	50.0	52.4	
31	2,4-Dimethylphenol	122	5.265	5.262	0.002	91	268168	50.0	53.2	
32	Bis(2-chloroethoxy)methane	93	5.368	5.364	0.002	97	443663	50.0	52.4	
33	Benzoic acid	122	5.377	5.371	0.005	89	239607	50.0	55.3	
34	2,4-Dichlorophenol	162	5.454	5.454	-0.001	96	288115	50.0	53.3	
35	1,2,4-Trichlorobenzene	180	5.534	5.534	-0.001	95	316227	50.0	52.9	

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Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
* 36 Naphthalene-d8	136	5.591	5.593	-0.002	99	772493	40.0	40.0	
37 Naphthalene	128	5.614	5.611	0.002	99	1022832	50.0	52.2	
131 2,6-Dichlorophenol	162	5.671	5.671	-0.002	98	280909	50.0	53.1	
38 4-Chloroaniline	127	5.674	5.674	-0.002	96	445236	50.0	52.9	
39 Hexachlorobutadiene	225	5.713	5.713	-0.001	96	173817	50.0	53.6	
40 Caprolactam	113	6.019	6.016	0.001	90	38157	20.0	17.5	
41 4-Chloro-3-methylphenol	107	6.134	6.131	0.001	97	306789	50.0	53.4	
42 2-Methylnaphthalene	142	6.272	6.272	-0.001	91	685980	50.0	53.0	
43 1-Methylnaphthalene	142	6.368	6.364	0.002	92	618541	50.0	52.3	
44 Hexachlorocyclopentadiene	237	6.406	6.403	0.002	97	169625	50.0	54.8	
45 1,2,4,5-Tetrachlorobenzene	216	6.425	6.425	-0.002	97	304330	50.0	52.6	
46 2-tertbutyl-4-methylphenol	149	6.460	6.460	-0.002	89	388253	50.0	50.4	
48 2,4,6-Trichlorophenol	196	6.540	6.540	-0.002	89	206141	50.0	53.9	
49 2,4,5-Trichlorophenol	196	6.576	6.572	0.002	96	225389	50.0	54.3	
51 1,1'-Biphenyl	154	6.723	6.719	0.002	97	796366	50.0	52.8	
52 2-Chloronaphthalene	162	6.742	6.739	0.002	98	628180	50.0	52.8	
53 Phenyl ether	170	6.822	6.822	-0.001	88	408563	50.0	50.4	
54 2-Nitroaniline	65	6.854	6.851	0.002	98	211660	50.0	52.4	
55 1,3-Dimethylnaphthalene	156	6.943	6.943	-0.002	92	487453	50.0	51.0	
58 Dimethyl phthalate	163	7.023	7.020	0.002	98	697049	50.0	52.1	
59 Coumarin	146	7.052	7.052	-0.001	80	244322	50.0	49.9	
60 2,6-Dinitrotoluene	165	7.087	7.087	-0.002	95	161298	50.0	54.5	
61 Acenaphthylene	152	7.135	7.135	-0.002	97	943206	50.0	52.5	
62 3-Nitroaniline	138	7.250	7.247	0.002	95	194255	50.0	52.7	
* 63 Acenaphthene-d10	164	7.266	7.268	-0.002	97	395404	40.0	40.0	
64 3,5-di-tert-butyl-4-hydroxytol	205	7.272	7.272	-0.002	98	428664	50.0	52.0	
65 Acenaphthene	154	7.298	7.298	-0.002	97	564420	50.0	51.9	
66 2,4-Dinitrophenol	184	7.352	7.349	0.001	95	205688	100.0	106.8	
67 4-Nitrophenol	65	7.410	7.407	0.002	93	276778	100.0	107.4	
69 Dibenzofuran	168	7.464	7.464	-0.002	97	846372	50.0	52.1	
68 2,4-Dinitrotoluene	165	7.471	7.468	0.002	94	216770	50.0	54.8	
70 2,3,4,6-Tetrachlorophenol	232	7.576	7.576	-0.002	95	176894	50.0	52.8	
72 n-Octadecane	57	7.685	7.685	-0.002	93	485259	50.0	52.0	
71 Diethyl phthalate	149	7.691	7.691	-0.002	98	700114	50.0	51.2	
74 Fluorene	166	7.791	7.787	0.002	94	686070	50.0	52.7	
73 4-Chlorophenyl phenyl ether	204	7.791	7.790	-0.001	86	314422	50.0	53.4	
75 4-Nitroaniline	138	7.839	7.835	0.002	93	187080	50.0	53.4	
76 4,6-Dinitro-2-methylphenol	198	7.855	7.854	-0.001	88	268620	100.0	114.8	
77 N-Nitrosodiphenylamine	169	7.912	7.909	0.002	99	495605	50.0	52.6	
78 1,2-Diphenylhydrazine	77	7.944	7.944	-0.002	97	765016	50.0	51.9	
132 Azobenzene	77	7.944	7.944	-0.002	97	765016	50.0	51.9	
80 4-Bromophenyl phenyl ether	248	8.257	8.257	-0.002	91	203388	50.0	53.6	
81 Hexachlorobenzene	284	8.295	8.295	-0.002	96	263943	50.0	54.7	
82 Atrazine	200	8.423	8.420	0.001	88	72921	20.0	20.7	
83 Pentachlorophenol	266	8.497	8.494	0.001	95	332197	100.0	113.9	
84 Pentachloronitrobenzene	237	8.500	8.497	0.001	89	89277	50.0	51.7	
* 85 Phenanthrene-d10	188	8.682	8.684	-0.002	99	727077	40.0	40.0	
86 Phenanthrene	178	8.705	8.705	-0.002	98	980156	50.0	52.8	
87 Anthracene	178	8.756	8.753	0.001	97	1015093	50.0	53.5	
88 Carbazole	167	8.919	8.916	0.001	96	952904	50.0	53.1	
89 Di-n-butyl phthalate	149	9.245	9.245	-0.002	99	1212227	50.0	54.0	
90 Fluoranthene	202	9.839	9.836	0.001	96	1065727	50.0	53.7	

DRAFT

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
91 Benzidine	184	9.986	9.985	0.001	100	551864	50.0	51.9	
92 Pyrene	202	10.056	10.056	0.001	95	1097358	50.0	51.9	
93 Bisphenol-A	213	10.111	10.113	-0.002	98	480835	50.0	51.1	
95 Butyl benzyl phthalate	149	10.727	10.727	0.001	97	529007	50.0	53.6	
97 Carbamazepine	193	10.845	10.845	0.000	93	431803	50.0	55.1	
98 3,3'-Dichlorobenzidine	252	11.328	11.328	0.001	100	425916	50.0	54.3	
99 Benzo[a]anthracene	228	11.341	11.340	0.000	100	1030579	50.0	52.3	
* 100 Chrysene-d12	240	11.353	11.353	0.000	98	586726	40.0	40.0	
101 Chrysene	228	11.385	11.385	0.000	97	940496	50.0	52.0	
102 Bis(2-ethylhexyl) phthalate	149	11.385	11.385	0.000	85	738416	50.0	53.3	
103 Di-n-octyl phthalate	149	12.261	12.260	0.001	96	1325229	50.0	53.1	
104 Benzo[b]fluoranthene	252	12.756	12.759	-0.003	98	1115058	50.0	55.3	
105 Benzo[k]fluoranthene	252	12.801	12.797	0.004	98	1115425	50.0	54.3	
106 Benzo[a]pyrene	252	13.225	13.225	-0.001	95	1046345	50.0	55.1	
* 107 Perylene-d12	264	13.309	13.309	0.000	97	734284	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.948	14.946	0.002	98	1181759	50.0	56.5	
109 Dibenz(a,h)anthracene	278	14.996	14.994	0.002	97	1175118	50.0	58.0	
110 Benzo[g,h,i]perylene	276	15.415	15.413	0.002	97	1099420	50.0	56.8	

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

SV_BNA_ICV_00010 Amount Added: 1.00 Units: mL

DRAFT

Report Date: 24-Jun-2024 11:51:45 Chrom Revision: 2.3 23-Jun-2024 11:08:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37513.d

Injection Date: 24-Jun-2024 11:29:30 Instrument ID: CBNAMS12 Operator ID:

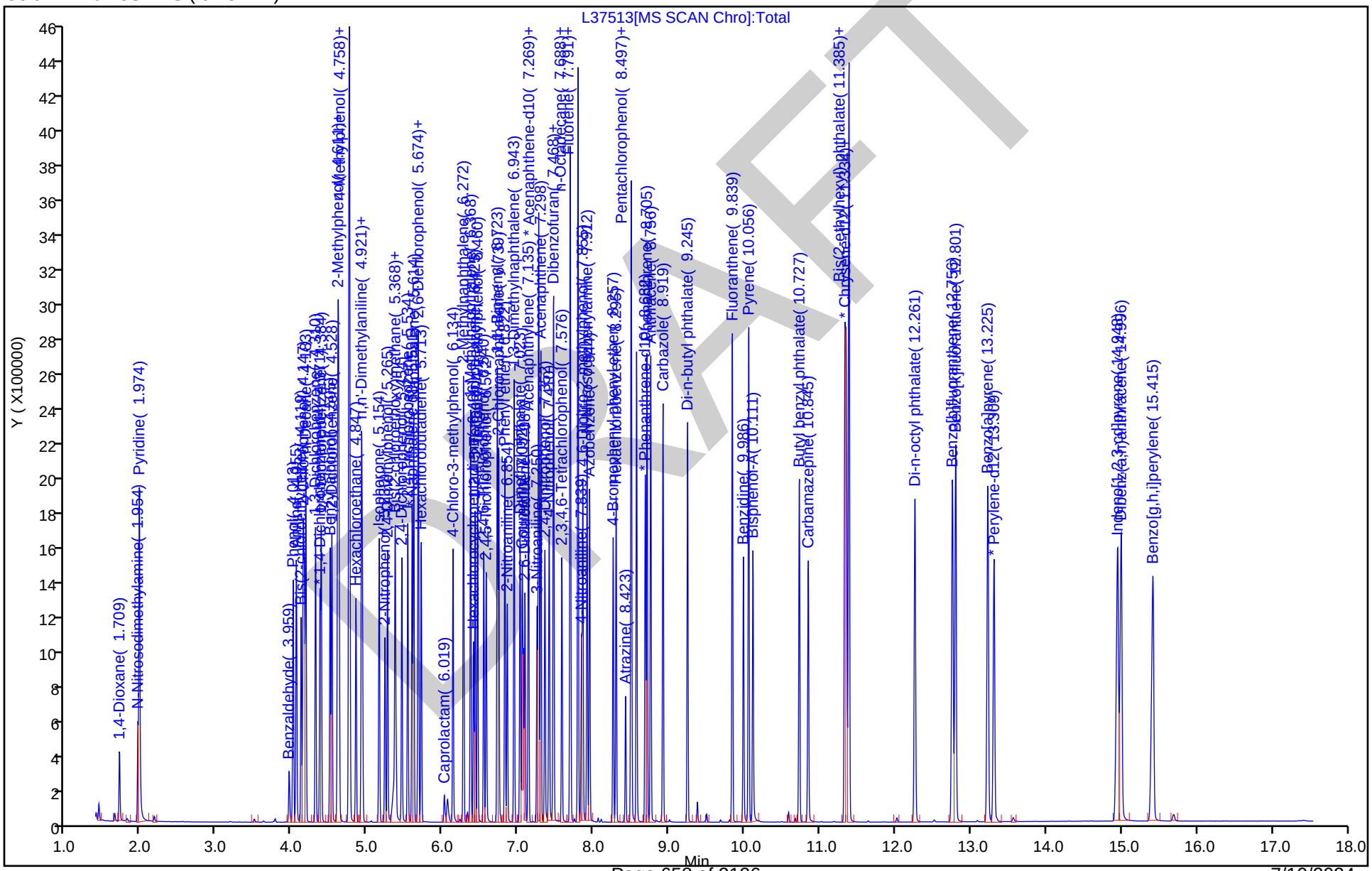
Lims ID: ICV Worklist Smp#: 11

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 11

Method: 8270_12R_9 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

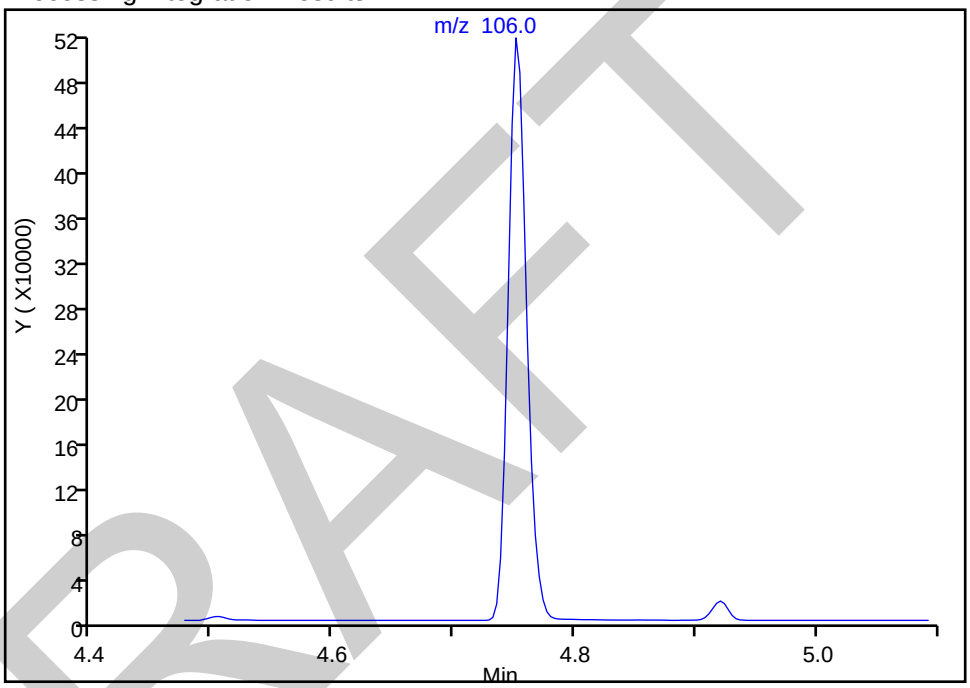
Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37513.d				
Injection Date:	24-Jun-2024 11:29:30	Instrument ID:	CBNAMS12		
Lims ID:	ICV				
Client ID:					
Operator ID:		ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

130 N-Methylaniline, CAS: 100-61-8

Signal: 1

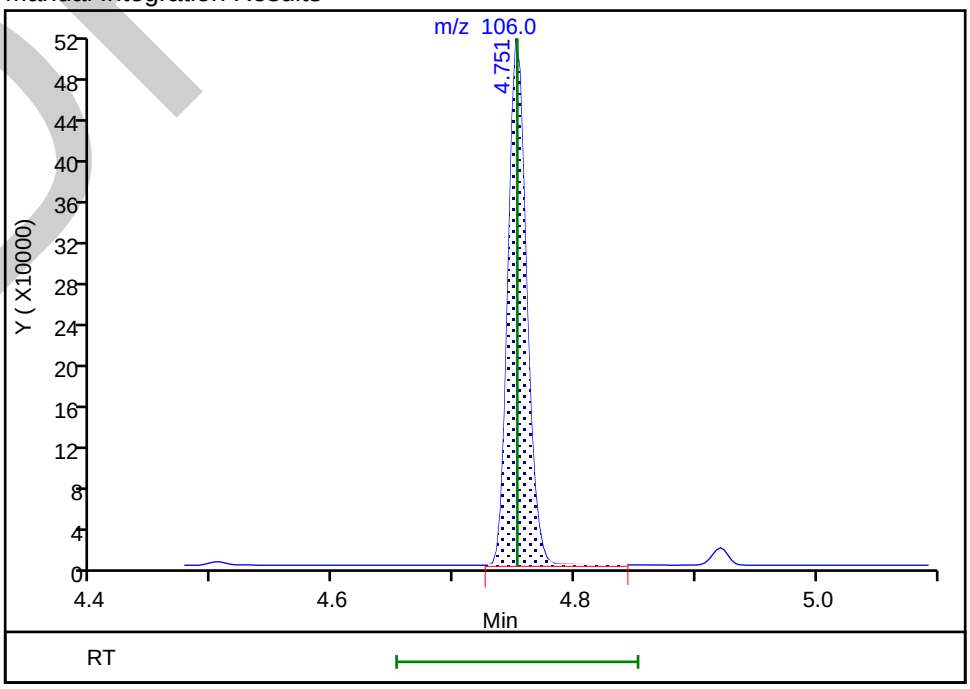
Not Detected
Expected RT: 4.75

Processing Integration Results



Manual Integration Results

RT: 4.75
Area: 548509
Amount: 49.039954
Amount Units: ug/ml



Reviewer: G4KC, 24-Jun-2024 11:50:34 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

DRAFT

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Lab Sample ID: CCVIS 460-983942/2 Calibration Date: 07/07/2024 13:52

Instrument ID: CBNAMS12 Calib Start Date: 06/24/2024 08:05

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 06/24/2024 11:06

Lab File ID: L37701.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
1,4-Dioxane	Ave	0.5617	0.5208		46400	50000	-7.3	20.0
N-Nitrosodimethylamine	Ave	0.9124	0.8933		49000	50000	-2.1	20.0
Pyridine	Ave	1.336	1.298		97200	100000	-2.8	20.0
Benzaldehyde	Ave	1.217	0.7107	0.0100	11700	20000	-41.6*	20.0
Phenol	Ave	1.855	1.834	0.8000	49400	50000	-1.1	20.0
Aniline	Ave	2.135	2.110		49400	50000	-1.2	20.0
Bis(2-chloroethyl)ether	Ave	1.316	1.332	0.7000	50600	50000	1.3	20.0
2-Chlorophenol	Ave	1.438	1.472	0.8000	51200	50000	2.4	20.0
n-Decane	Ave	1.597	1.563		48900	50000	-2.1	20.0
1,3-Dichlorobenzene	Ave	1.490	1.489		50000	50000	-0.1	20.0
1,4-Dichlorobenzene	Ave	1.491	1.519		50900	50000	1.9	20.0
Benzyl alcohol	Ave	0.9237	0.9606		52000	50000	4.0	20.0
1,2-Dichlorobenzene	Ave	1.432	1.440	0.0100	50300	50000	0.6	20.0
2-Methylphenol	Ave	1.242	1.287	0.7000	51800	50000	3.6	20.0
2,2'-oxybis[1-chloropropane]	Ave	2.095	2.105	0.0100	50200	50000	0.5	20.0
N-Methylaniline	Ave	2.138	2.202		51500	50000	3.0	20.0
N-Nitrosodi-n-propylamine	Ave	1.046	1.121	0.5000	53600	50000	7.2	20.0
3 & 4 Methylphenol	Ave	1.417	1.452		51200	50000	2.5	20.0
4-Methylphenol	Ave	1.417	1.452	0.6000	51200	50000	2.5	20.0
Acetophenone	Ave	1.938	2.012	0.0100	51900	50000	3.8	20.0
Hexachloroethane	Ave	0.5814	0.5858	0.3000	50400	50000	0.8	20.0
n,n'-Dimethylaniline	Ave	2.050	2.103		51300	50000	2.6	20.0
Nitrobenzene	Ave	0.6411	0.6934	0.2000	54100	50000	8.2	20.0
Isophorone	Ave	0.7138	0.7301	0.4000	51100	50000	2.3	20.0
2-Nitrophenol	Ave	0.1968	0.1933	0.1000	49100	50000	-1.8	20.0
2,4-Dimethylphenol	Ave	0.2608	0.2659	0.2000	51000	50000	2.0	20.0
Bis(2-chloroethoxy)methane	Ave	0.4388	0.4466	0.3000	50900	50000	1.8	20.0
Benzoic acid	Ave	0.2243	0.2662		59300	50000	18.7	20.0
2,4-Dichlorophenol	Ave	0.2799	0.2889	0.2000	51600	50000	3.2	20.0
1,2,4-Trichlorobenzene	Ave	0.3097	0.3058		49400	50000	-1.2	20.0
Naphthalene	Ave	1.014	1.026	0.7000	50600	50000	1.2	20.0
4-Chloroaniline	Ave	0.4361	0.4572	0.0100	52400	50000	4.8	20.0
Hexachlorobutadiene	Ave	0.1680	0.1654	0.0100	49200	50000	-1.5	20.0
Caprolactam	Lin1		0.1126	0.0100	19800	20000	-0.8	20.0
4-Chloro-3-methylphenol	Ave	0.2976	0.3184	0.2000	53500	50000	7.0	20.0
2-Methylnaphthalene	Ave	0.6700	0.6899	0.4000	51500	50000	3.0	20.0
1-Methylnaphthalene	Ave	0.6126	0.6407		52300	50000	4.6	20.0
Hexachlorocyclopentadiene	Ave	0.3132	0.2931	0.0500	46800	50000	-6.4	20.0
1,2,4,5-Tetrachlorobenzene	Ave	0.5850	0.5725	0.0100	48900	50000	-2.1	20.0
2-tertbutyl-4-methylphenol	Ave	0.3992	0.4197		52600	50000	5.1	20.0
2,4,6-Trichlorophenol	Ave	0.3872	0.3988	0.2000	51500	50000	3.0	20.0

DRAFT

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Lab Sample ID: CCVIS 460-983942/2 Calibration Date: 07/07/2024 13:52

Instrument ID: CBNAMS12 Calib Start Date: 06/24/2024 08:05

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 06/24/2024 11:06

Lab File ID: L37701.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,4,5-Trichlorophenol	Ave	0.4196	0.4263	0.2000	50800	50000	1.6	20.0
1,1'-Biphenyl	Ave	1.526	1.522	0.0100	49900	50000	-0.3	20.0
2-Chloronaphthalene	Ave	1.203	1.193	0.8000	49600	50000	-0.8	20.0
Phenyl ether	Ave	0.8203	0.8264		50400	50000	0.7	20.0
2-Nitroaniline	Ave	0.4088	0.4156	0.0100	50800	50000	1.7	20.0
1,3-Dimethylnaphthalene	Ave	0.9661	0.9608		49700	50000	-0.6	20.0
Dimethyl phthalate	Ave	1.354	1.412	0.0100	52100	50000	4.3	20.0
Coumarin	Ave	0.2534	0.2825		55800	50000	11.5	20.0
2,6-Dinitrotoluene	Ave	0.2994	0.3179	0.2000	53100	50000	6.2	20.0
Acenaphthylene	Ave	1.819	1.827	0.9000	50200	50000	0.5	20.0
3-Nitroaniline	Ave	0.3730	0.3935	0.0100	52700	50000	5.5	20.0
3,5-di-tert-butyl-4-hydroxytol	Ave	0.8335	0.8433		50600	50000	1.2	20.0
Acenaphthene	Ave	1.100	1.091	0.9000	49600	50000	-0.8	20.0
2,4-Dinitrophenol	Lin2		0.2130	0.0100	109000	100000	9.2	20.0
4-Nitrophenol	Ave	0.2607	0.2717	0.0100	104000	100000	4.2	20.0
Dibenzofuran	Ave	1.643	1.693	0.8000	51500	50000	3.0	20.0
2,4-Dinitrotoluene	Ave	0.4005	0.4457	0.2000	55600	50000	11.3	20.0
2,3,4,6-Tetrachlorophenol	Ave	0.3387	0.3526	0.0100	52100	50000	4.1	20.0
n-Octadecane	Ave	0.5136	0.4718		45900	50000	-8.1	20.0
Diethyl phthalate	Ave	1.383	1.445	0.0100	52300	50000	4.5	20.0
Fluorene	Ave	1.318	1.353	0.9000	51300	50000	2.7	20.0
4-Chlorophenyl phenyl ether	Ave	0.5957	0.6142	0.4000	51600	50000	3.1	20.0
4-Nitroaniline	Ave	0.3541	0.3756	0.0100	53000	50000	6.1	20.0
4,6-Dinitro-2-methylphenol	Ave	0.1288	0.1435	0.0100	111000	100000	11.4	20.0
N-Nitrosodiphenylamine	Ave	0.5185	0.5114	0.0100	49300	50000	-1.4	20.0
1,2-Diphenylhydrazine	Ave	0.8108	0.7816		48200	50000	-3.6	20.0
Azobenzene	Ave	0.8115	0.7853		48400	50000	-3.2	20.0
4-Bromophenyl phenyl ether	Ave	0.2088	0.2076	0.1000	49700	50000	-0.5	20.0
Hexachlorobenzene	Ave	0.2654	0.2730	0.1000	51400	50000	2.8	20.0
Atrazine	Ave	0.1940	0.2051	0.0100	21100	20000	5.7	20.0
Pentachloronitrobenzene	Ave	0.0950	0.0970	0.0100	51100	50000	2.1	20.0
Pentachlorophenol	Ave	0.1604	0.1767	0.0500	110000	100000	10.1	20.0
Phenanthrene	Ave	1.022	1.026	0.7000	50200	50000	0.4	20.0
Anthracene	Ave	1.043	1.062	0.7000	50900	50000	1.8	20.0
Carbazole	Ave	0.9873	1.029	0.0100	52100	50000	4.2	20.0
Di-n-butyl phthalate	Ave	1.235	1.324	0.0100	53600	50000	7.3	20.0
Fluoranthene	Ave	1.092	1.169	0.6000	53500	50000	7.0	20.0
Benzidine	Ave	0.5852	0.5830		49800	50000	-0.4	20.0
Pyrene	Ave	1.441	1.397	0.6000	48500	50000	-3.0	20.0
Bisphenol-A	Ave	0.6415	0.6584		51300	50000	2.6	20.0

DRAFT

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Lab Sample ID: CCVIS 460-983942/2 Calibration Date: 07/07/2024 13:52

Instrument ID: CBNAMS12 Calib Start Date: 06/24/2024 08:05

GC Column: Rtxi-5Sil MS ID: 0.25(mm) Calib End Date: 06/24/2024 11:06

Lab File ID: L37701.d Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Butyl benzyl phthalate	Ave	0.6734	0.6831	0.0100	50700	50000	1.4	20.0
2,3,7,8-TCDD	Ave	0.2273	0.2315		509	500	1.8	20.0
Carbamazepine	Ave	0.5339	0.5867		54900	50000	9.9	20.0
3,3'-Dichlorobenzidine	Ave	0.5346	0.5462	0.0100	51100	50000	2.2	20.0
Benzo[a]anthracene	Ave	1.344	1.337	0.8000	49800	50000	-0.5	20.0
Chrysene	Ave	1.234	1.249	0.7000	50600	50000	1.2	20.0
Bis(2-ethylhexyl) phthalate	Ave	0.9450	0.9846	0.0100	52100	50000	4.2	20.0
Di-n-octyl phthalate	Ave	1.360	1.399	0.0100	51400	50000	2.9	20.0
Benzo[b]fluoranthene	Ave	1.097	1.137		51800	50000	3.6	20.0
Benzo[k]fluoranthene	Ave	1.120	1.191	0.7000	53200	50000	6.3	20.0
Benzo[a]pyrene	Ave	1.035	1.092	0.7000	52700	50000	5.4	20.0
Indeno[1,2,3-cd]pyrene	Ave	1.140	1.304	0.5000	57200	50000	14.4	20.0
Dibenz(a,h)anthracene	Ave	1.104	1.298	0.4000	58800	50000	17.6	20.0
Benzo[g,h,i]perylene	Ave	1.055	1.210	0.5000	57400	50000	14.8	20.0
2-Fluorophenol (Surr)	Ave	1.384	1.427		51600	50000	3.1	20.0
Phenol-d5 (Surr)	Ave	1.862	2.004		53800	50000	7.6	20.0
Nitrobenzene-d5 (Surr)	Ave	0.4149	0.4354		52500	50000	4.9	20.0
2-Fluorobiphenyl	Ave	1.434	1.453		50700	50000	1.3	20.0
2,4,6-Tribromophenol (Surr)	Ave	0.2938	0.3324		56600	50000	13.1	20.0
Terphenyl-d14 (Surr)	Ave	1.189	1.204		50600	50000	1.3	20.0

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Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37701.d
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 07-Jul-2024 13:52:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0178055-002
Operator ID: Instrument ID: CBNAMS12
Sublist: chrom-8270_12R_9*sub56

Method: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\8270_12R_9.m
Limit Group: SV 8270E ICAL
Last Update: 08-Jul-2024 13:07:00 Calib Date: 24-Jun-2024 11:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37512.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: C8UP Date: 08-Jul-2024 13:07:00

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.645	1.645	0.000	96	88445	50.0	46.4	
2 N-Nitrosodimethylamine	74	1.891	1.891	0.000	91	151701	50.0	49.0	
3 Pyridine	79	1.907	1.907	0.000	91	440800	100.0	97.2	
$ 4 2-Fluorophenol	112	3.015	3.015	0.000	95	242414	50.0	51.6	
5 Benzaldehyde	77	3.893	3.893	0.000	96	48277	20.0	11.7	
$ 6 Phenol-d5	99	3.934	3.934	0.000	0	340251	50.0	53.8	
7 Phenol	94	3.947	3.947	0.000	98	311536	50.0	49.4	
8 Aniline	93	3.982	3.982	0.000	100	358348	50.0	49.4	
9 Bis(2-chloroethyl)ether	93	4.046	4.046	0.000	93	226245	50.0	50.6	
10 2-Chlorophenol	128	4.088	4.088	0.000	96	249995	50.0	51.2	
11 n-Decane	43	4.104	4.104	0.000	93	265392	50.0	48.9	
12 1,3-Dichlorobenzene	146	4.235	4.235	0.000	94	252804	50.0	50.0	
* 13 1,4-Dichlorobenzene-d4	152	4.295	4.295	0.000	96	135861	40.0	40.0	
14 1,4-Dichlorobenzene	146	4.311	4.311	0.000	94	258023	50.0	50.9	
15 Benzyl alcohol	108	4.433	4.433	0.000	92	163130	50.0	52.0	
16 1,2-Dichlorobenzene	146	4.452	4.452	0.000	95	244626	50.0	50.3	
17 2-Methylphenol	108	4.535	4.535	0.000	74	218498	50.0	51.8	
18 2,2'-oxybis[1-chloropropane]	45	4.548	4.548	0.000	93	357434	50.0	50.2	a
130 N-Methylaniline	106	4.679	4.679	0.000	89	373949	50.0	51.5	a
21 N-Nitrosodi-n-propylamine	70	4.685	4.685	0.000	76	190358	50.0	53.6	
20 3 & 4 Methylphenol	108	4.688	4.688	0.000	86	246605	50.0	51.2	
19 4-Methylphenol	108	4.688	4.688	0.000	83	246605	50.0	51.2	
22 Acetophenone	105	4.692	4.692	0.000	93	341749	50.0	51.9	
25 Hexachloroethane	117	4.768	4.768	0.000	96	99486	50.0	50.4	
$ 26 Nitrobenzene-d5	82	4.842	4.842	0.000	89	285807	50.0	52.5	
28 n,n'-Dimethylaniline	120	4.845	4.845	0.000	98	357190	50.0	51.3	
27 Nitrobenzene	123	4.861	4.861	0.000	96	117763	50.0	54.1	
29 Isophorone	82	5.081	5.081	0.000	100	479222	50.0	51.1	
30 2-Nitrophenol	139	5.161	5.161	0.000	92	126863	50.0	49.1	
31 2,4-Dimethylphenol	122	5.196	5.196	0.000	91	174528	50.0	51.0	
32 Bis(2-chloroethoxy)methane	93	5.295	5.295	0.000	97	293131	50.0	50.9	

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Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
33 Benzoic acid	122	5.311	5.311	0.000	89	174727	50.0	59.3	
34 2,4-Dichlorophenol	162	5.388	5.388	0.000	95	189600	50.0	51.6	
35 1,2,4-Trichlorobenzene	180	5.462	5.462	0.000	94	200722	50.0	49.4	
* 36 Naphthalene-d8	136	5.519	5.519	0.000	99	525098	40.0	40.0	
37 Naphthalene	128	5.538	5.538	0.000	99	673402	50.0	50.6	
131 2,6-Dichlorophenol	162	5.602	5.602	0.000	98	188324	50.0	52.4	
38 4-Chloroaniline	127	5.606	5.606	0.000	96	300093	50.0	52.4	
39 Hexachlorobutadiene	225	5.638	5.638	0.000	96	108554	50.0	49.2	
40 Caprolactam	113	5.947	5.947	0.000	90	29565	20.0	19.8	
41 4-Chloro-3-methylphenol	107	6.069	6.069	0.000	96	208977	50.0	53.5	
42 2-Methylnaphthalene	142	6.200	6.200	0.000	84	452833	50.0	51.5	
43 1-Methylnaphthalene	142	6.292	6.292	0.000	93	420553	50.0	52.3	
44 Hexachlorocyclopentadiene	237	6.331	6.331	0.000	97	104033	50.0	46.8	
45 1,2,4,5-Tetrachlorobenzene	216	6.353	6.353	0.000	97	203192	50.0	48.9	
46 2-tertbutyl-4-methylphenol	149	6.392	6.392	0.000	90	275510	50.0	52.6	
48 2,4,6-Trichlorophenol	196	6.475	6.475	0.000	89	141562	50.0	51.5	
49 2,4,5-Trichlorophenol	196	6.510	6.510	0.000	96	151290	50.0	50.8	
$ 50 2-Fluorobiphenyl	172	6.551	6.551	0.000	97	515690	50.0	50.7	
51 1,1'-Biphenyl	154	6.647	6.647	0.000	96	540229	50.0	49.9	
52 2-Chloronaphthalene	162	6.667	6.667	0.000	98	423446	50.0	49.6	
53 Phenyl ether	170	6.750	6.750	0.000	88	293328	50.0	50.4	
54 2-Nitroaniline	65	6.785	6.785	0.000	98	147503	50.0	50.8	
55 1,3-Dimethylnaphthalene	156	6.871	6.871	0.000	91	340996	50.0	49.7	
58 Dimethyl phthalate	163	6.951	6.951	0.000	98	501077	50.0	52.1	
59 Coumarin	146	6.983	6.983	0.000	80	185437	50.0	55.8	
60 2,6-Dinitrotoluene	165	7.018	7.018	0.000	95	112815	50.0	53.1	
61 Acenaphthylene	152	7.060	7.060	0.000	97	648545	50.0	50.2	
62 3-Nitroaniline	138	7.181	7.181	0.000	95	139650	50.0	52.7	
* 63 Acenaphthene-d10	164	7.191	7.191	0.000	97	283941	40.0	40.0	
64 3,5-di-tert-butyl-4-hydroxytol	205	7.200	7.200	0.000	98	299300	50.0	50.6	
65 Acenaphthene	154	7.223	7.223	0.000	97	387276	50.0	49.6	
66 2,4-Dinitrophenol	184	7.284	7.284	0.000	95	151217	100.0	109.2	
67 4-Nitrophenol	65	7.348	7.348	0.000	93	192863	100.0	104.2	
69 Dibenzofuran	168	7.389	7.389	0.000	96	600886	50.0	51.5	
68 2,4-Dinitrotoluene	165	7.402	7.402	0.000	95	158192	50.0	55.6	
70 2,3,4,6-Tetrachlorophenol	232	7.507	7.507	0.000	93	125149	50.0	52.1	
72 n-Octadecane	57	7.613	7.613	0.000	93	325082	50.0	45.9	
71 Diethyl phthalate	149	7.619	7.619	0.000	98	512969	50.0	52.3	
74 Fluorene	166	7.715	7.715	0.000	94	480152	50.0	51.3	
73 4-Chlorophenyl phenyl ether	204	7.718	7.718	0.000	86	217983	50.0	51.6	
75 4-Nitroaniline	138	7.770	7.770	0.000	93	133320	50.0	53.0	
76 4,6-Dinitro-2-methylphenol	198	7.786	7.786	0.000	85	197723	100.0	111.4	
77 N-Nitrosodiphenylamine	169	7.840	7.840	0.000	98	352398	50.0	49.3	
78 1,2-Diphenylhydrazine	77	7.872	7.872	0.000	98	538554	50.0	48.2	
132 Azobenzene	77	7.872	7.872	0.000	97	541084	50.0	48.4	
$ 79 2,4,6-Tribromophenol	330	7.949	7.949	0.000	93	117990	50.0	56.6	
80 4-Bromophenyl phenyl ether	248	8.185	8.185	0.000	90	143069	50.0	49.7	
81 Hexachlorobenzene	284	8.224	8.224	0.000	96	188077	50.0	51.4	
82 Atrazine	200	8.351	8.351	0.000	89	56514	20.0	21.1	
84 Pentachloronitrobenzene	237	8.425	8.425	0.000	87	66852	50.0	51.1	
83 Pentachlorophenol	266	8.425	8.425	0.000	95	243496	100.0	110.1	a
* 85 Phenanthrene-d10	188	8.610	8.610	0.000	98	551214	40.0	40.0	a

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Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
86 Phenanthrene	178	8.633	8.633	0.000	98	706964	50.0	50.2	
87 Anthracene	178	8.681	8.681	0.000	98	731780	50.0	50.9	
88 Carbazole	167	8.847	8.847	0.000	96	708718	50.0	52.1	
89 Di-n-butyl phthalate	149	9.173	9.173	0.000	99	912603	50.0	53.6	
90 Fluoranthene	202	9.764	9.764	0.000	96	805610	50.0	53.5	
91 Benzidine	184	9.914	9.914	0.000	100	401676	50.0	49.8	
92 Pyrene	202	9.981	9.981	0.000	96	835596	50.0	48.5	
93 Bisphenol-A	213	10.042	10.042	0.000	98	393685	50.0	51.3	
$ 94 Terphenyl-d14	244	10.135	10.135	0.000	97	719861	50.0	50.6	
95 Butyl benzyl phthalate	149	10.643	10.643	0.000	97	408449	50.0	50.7	
96 2,3,7,8-TCDD	320	10.719	10.719	0.000	93	1384	0.5000	0.5092	
97 Carbamazepine	193	10.761	10.761	0.000	94	350797	50.0	54.9	
98 3,3'-Dichlorobenzidine	252	11.240	11.240	0.000	99	326602	50.0	51.1	
99 Benzo[a]anthracene	228	11.250	11.250	0.000	100	799475	50.0	49.8	
* 100 Chrysene-d12	240	11.262	11.262	0.000	98	478340	40.0	40.0	
101 Chrysene	228	11.291	11.291	0.000	98	746629	50.0	50.6	
102 Bis(2-ethylhexyl) phthalate	149	11.294	11.294	0.000	87	588707	50.0	52.1	
103 Di-n-octyl phthalate	149	12.154	12.154	0.000	96	1070028	50.0	51.4	
104 Benzo[b]fluoranthene	252	12.646	12.646	0.000	97	869279	50.0	51.8	
105 Benzo[k]fluoranthene	252	12.687	12.687	0.000	98	910816	50.0	53.2	a
106 Benzo[a]pyrene	252	13.109	13.109	0.000	95	834883	50.0	52.7	
* 107 Perylene-d12	264	13.192	13.192	0.000	98	611862	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.799	14.799	0.000	99	997226	50.0	57.2	
109 Dibenz(a,h)anthracene	278	14.841	14.841	0.000	97	993042	50.0	58.8	a
110 Benzo[g,h,i]perylene	276	15.250	15.250	0.000	98	925779	50.0	57.4	a

QC Flag Legend

Processing Flags

Review Flags

a - User Assigned ID

Reagents:

SV_BNA_L7_00007 Amount Added: 1.00 Units: mL

DRAFT

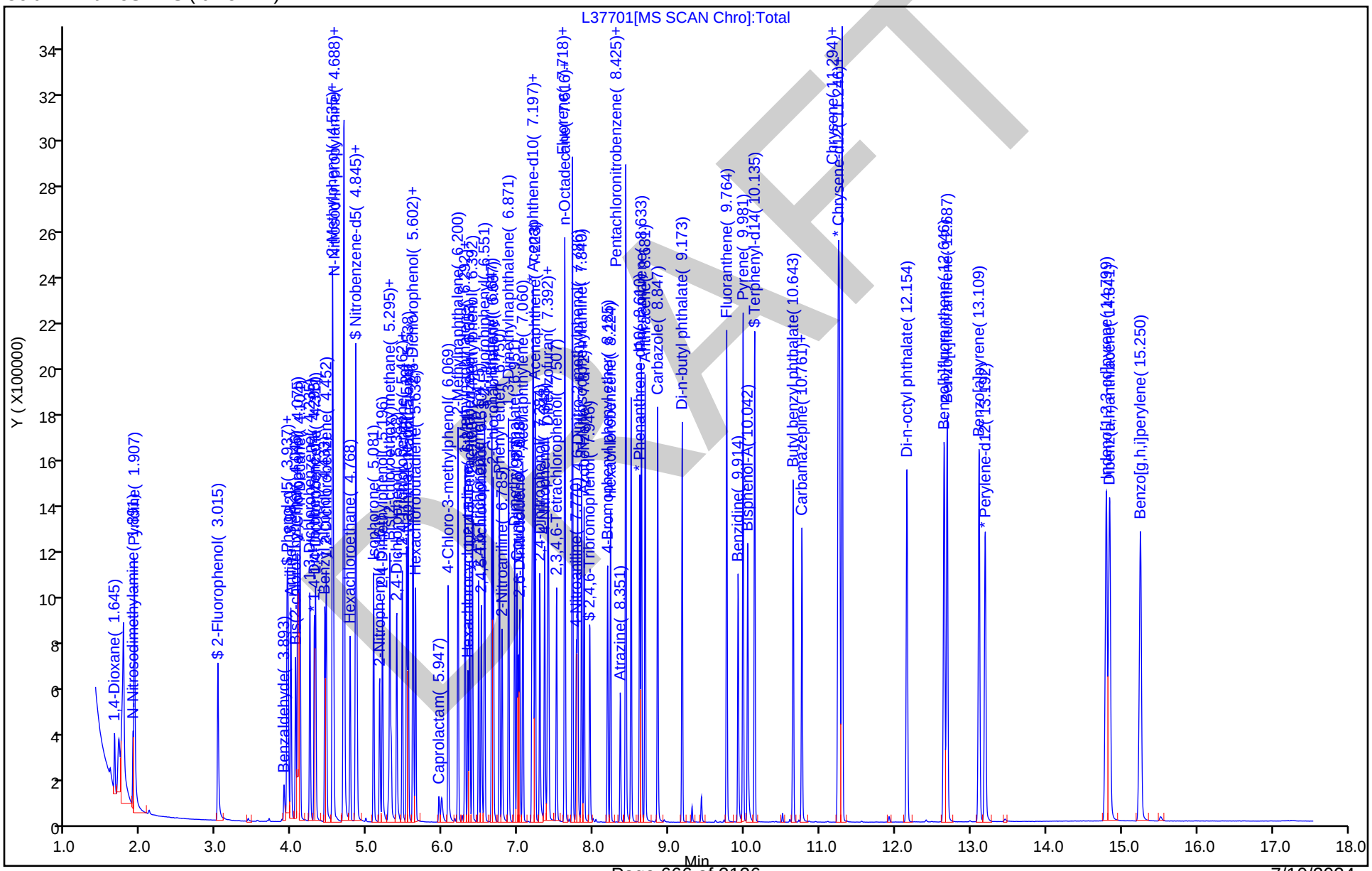
Report Date: 08-Jul-2024 13:07:02 Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37701.d

Injection Date:	07-Jul-2024 13:52:30	Instrument ID:	CBNAMS12	Operator ID:	
Lims ID:	CCVIS			Worklist Smp#:	2
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	2
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

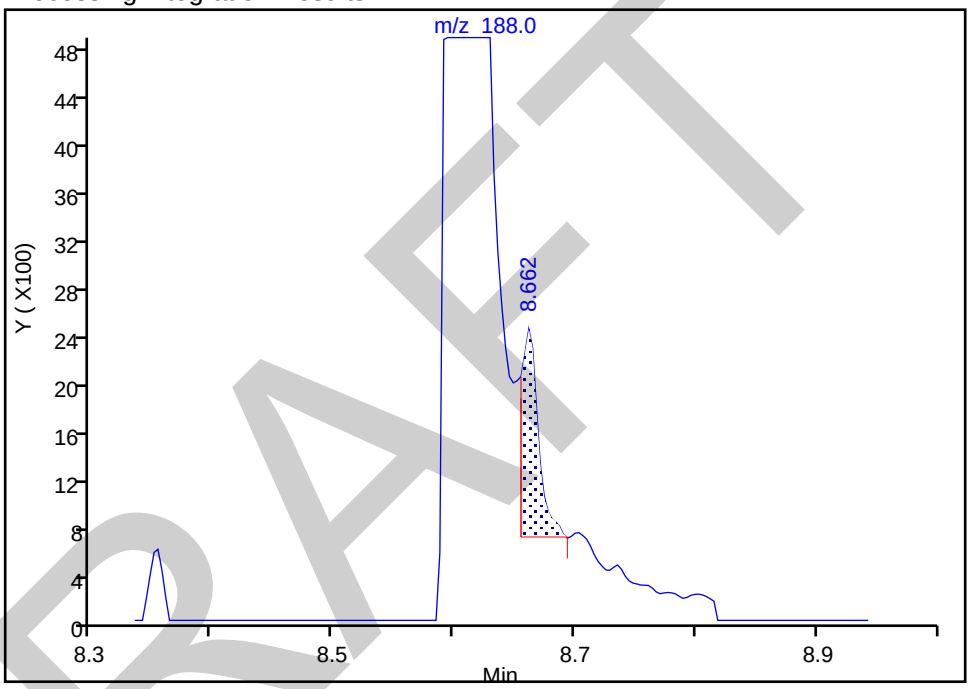
Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37701.d				
Injection Date:	07-Jul-2024 13:52:30	Instrument ID:	CBNAMS12		
Lims ID:	CCVIS				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

* 85 Phenanthrene-d10, CAS: 1517-22-2

Signal: 1

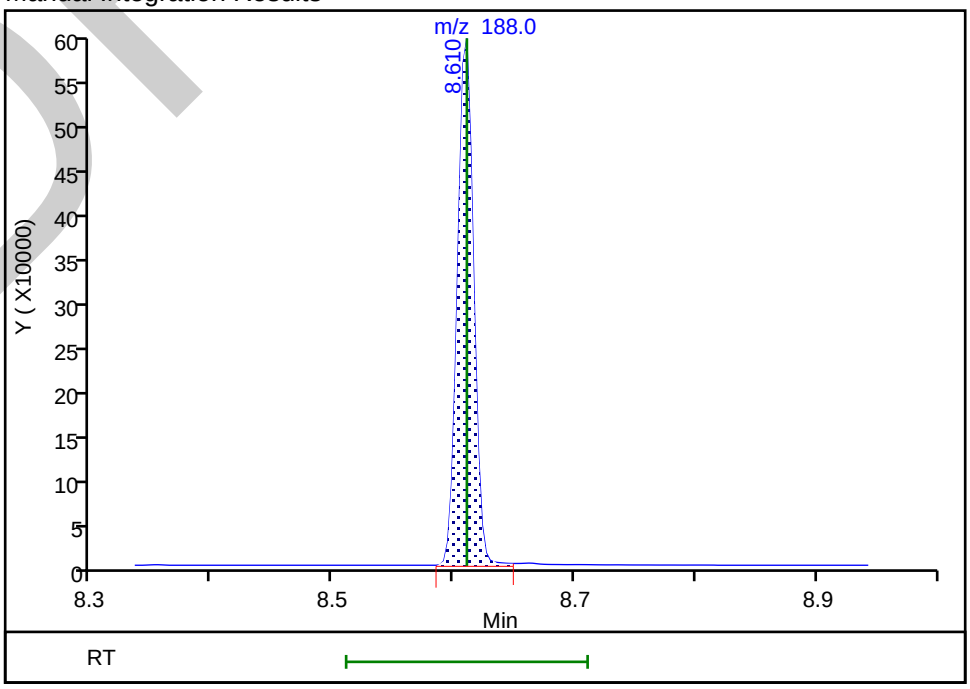
RT: 8.66
Area: 1723
Amount: 40.000000
Amount Units: ug/ml

Processing Integration Results



RT: 8.61
Area: 551214
Amount: 40.000000
Amount Units: ug/ml

Manual Integration Results



Reviewer: U6BX, 07-Jul-2024 14:14:20 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

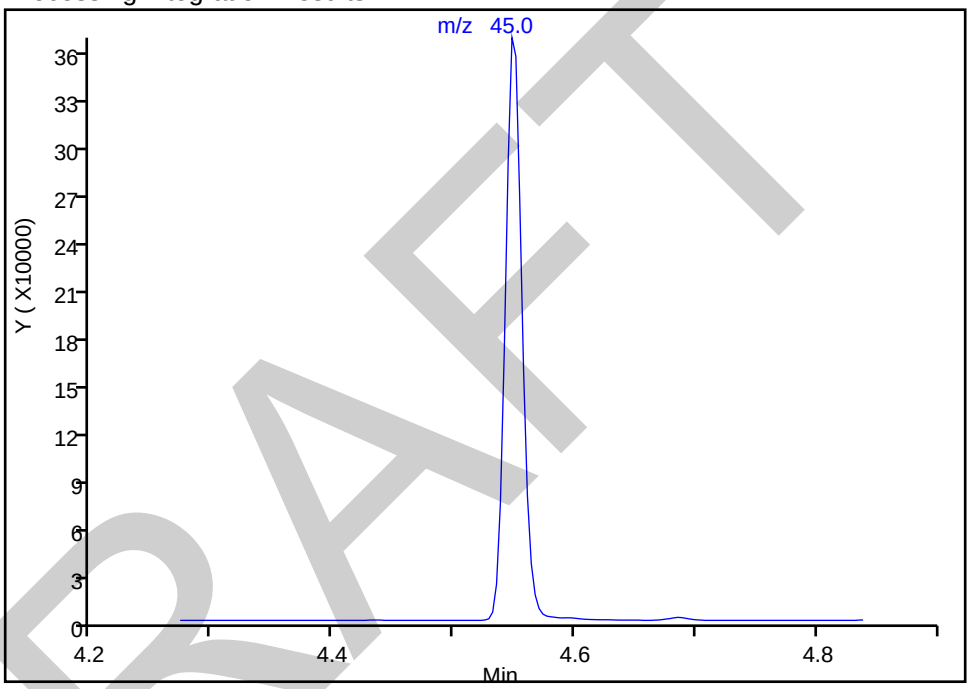
Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37701.d				
Injection Date:	07-Jul-2024 13:52:30	Instrument ID:	CBNAMS12		
Lims ID:	CCVIS				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

18 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Signal: 1

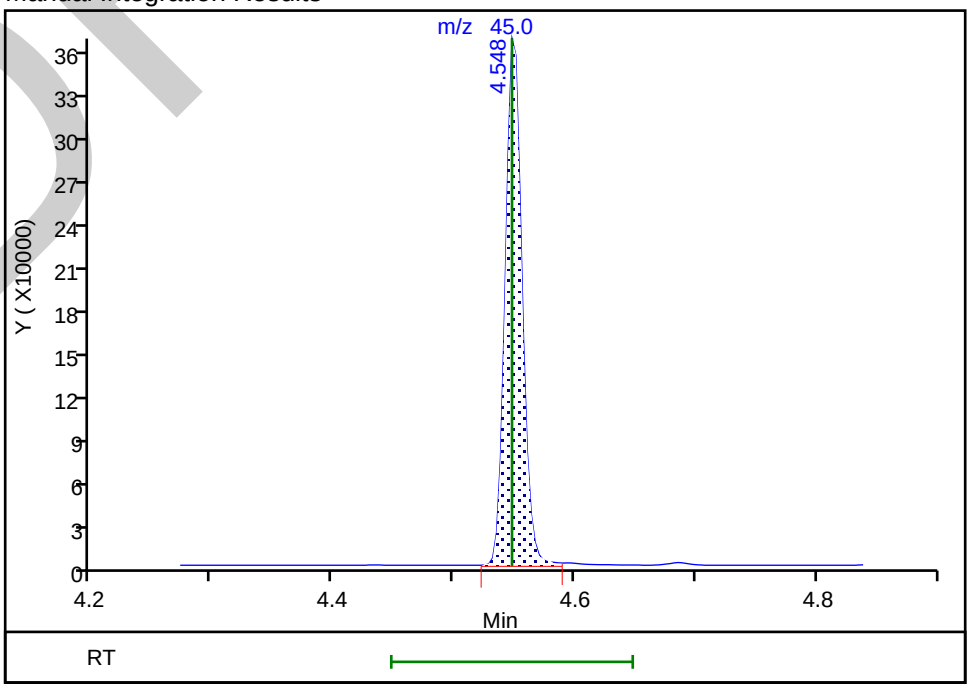
Not Detected
Expected RT: 4.55

Processing Integration Results



Manual Integration Results

RT: 4.55
Area: 357434
Amount: 50.230670
Amount Units: ug/ml



Reviewer: U6BX, 07-Jul-2024 14:14:23 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

DRAFT

Eurofins Edison

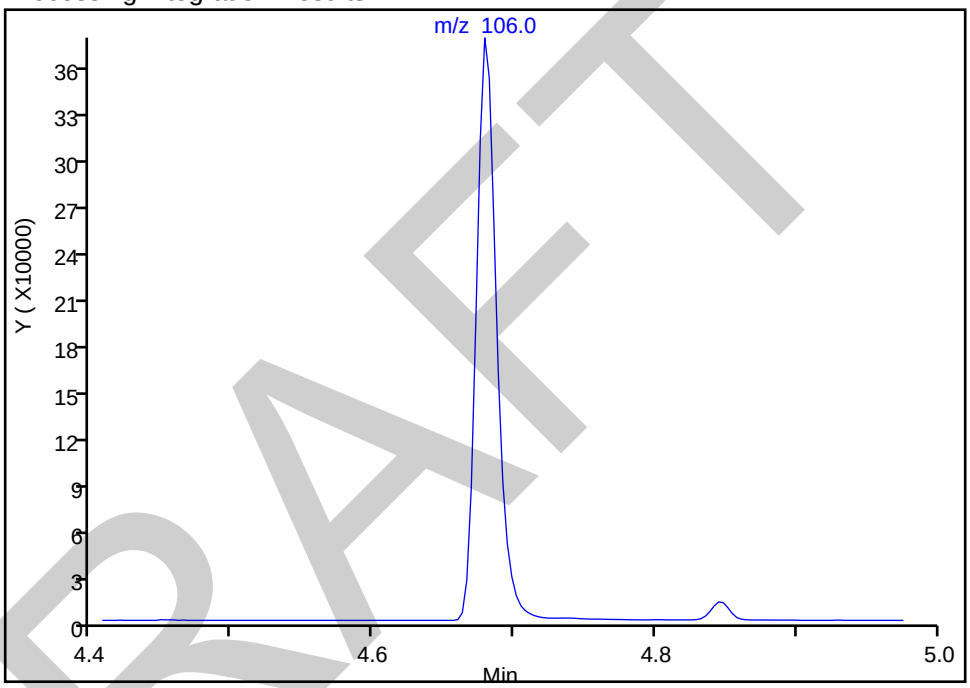
Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37701.d				
Injection Date:	07-Jul-2024 13:52:30	Instrument ID:	CBNAMS12		
Lims ID:	CCVIS				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

130 N-Methylaniline, CAS: 100-61-8

Signal: 1

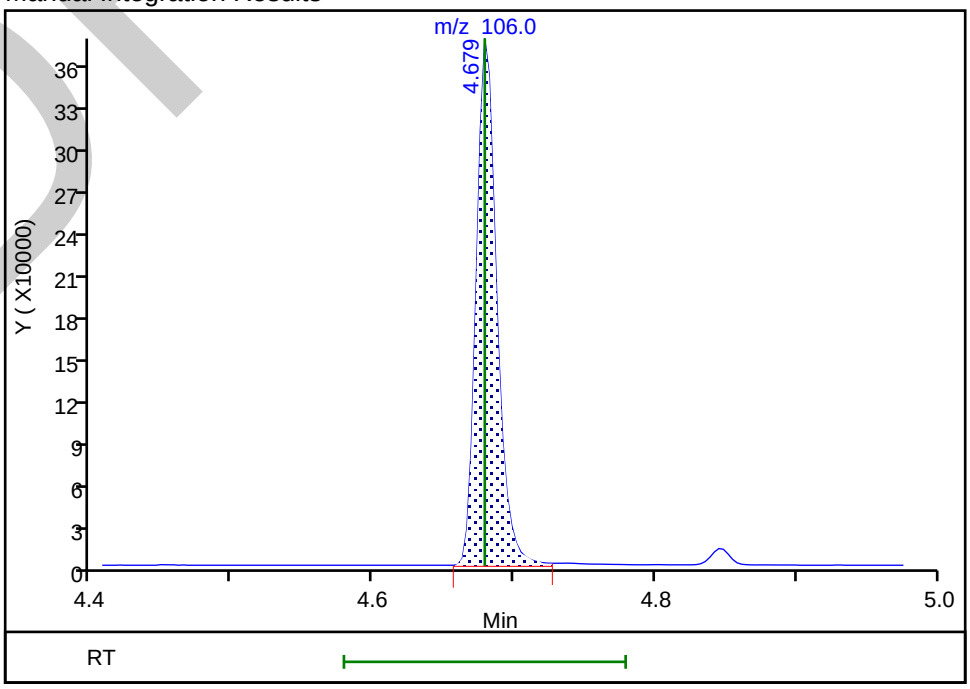
Not Detected
Expected RT: 4.68

Processing Integration Results



Manual Integration Results

RT: 4.68
Area: 373949
Amount: 51.507408
Amount Units: ug/ml



Reviewer: U6BX, 07-Jul-2024 14:14:24 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

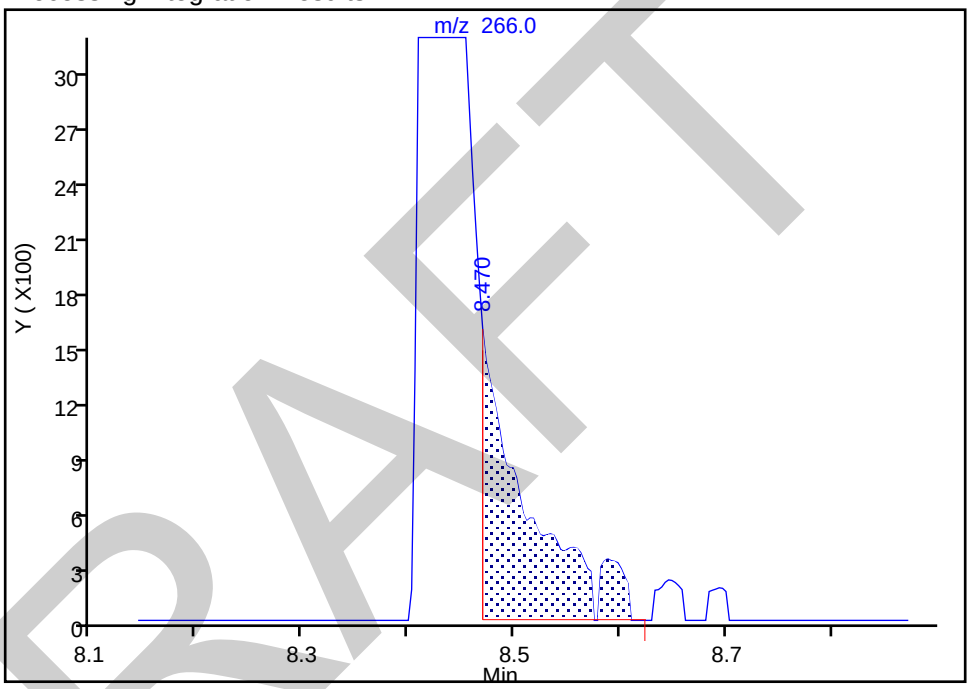
Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37701.d				
Injection Date:	07-Jul-2024 13:52:30	Instrument ID:	CBNAMS12		
Lims ID:	CCVIS				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

83 Pentachlorophenol, CAS: 87-86-5

Signal: 1

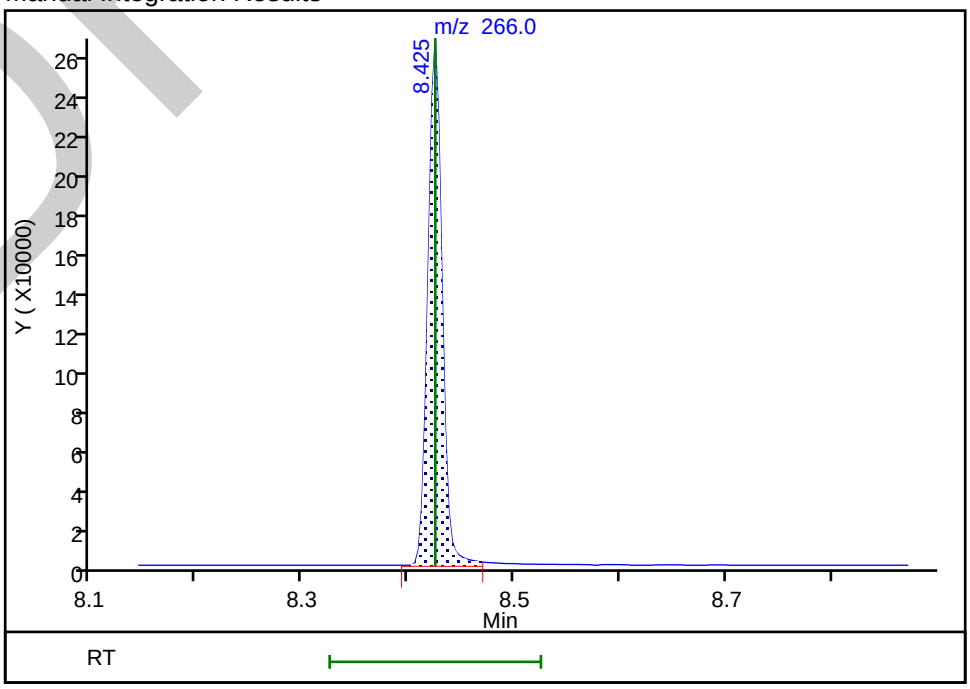
Processing Integration Results

RT: 8.47
Area: 4577
Amount: 2.070426
Amount Units: ug/ml



Manual Integration Results

RT: 8.42
Area: 243496
Amount: 110.1465
Amount Units: ug/ml



Reviewer: U6BX, 07-Jul-2024 14:14:30 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

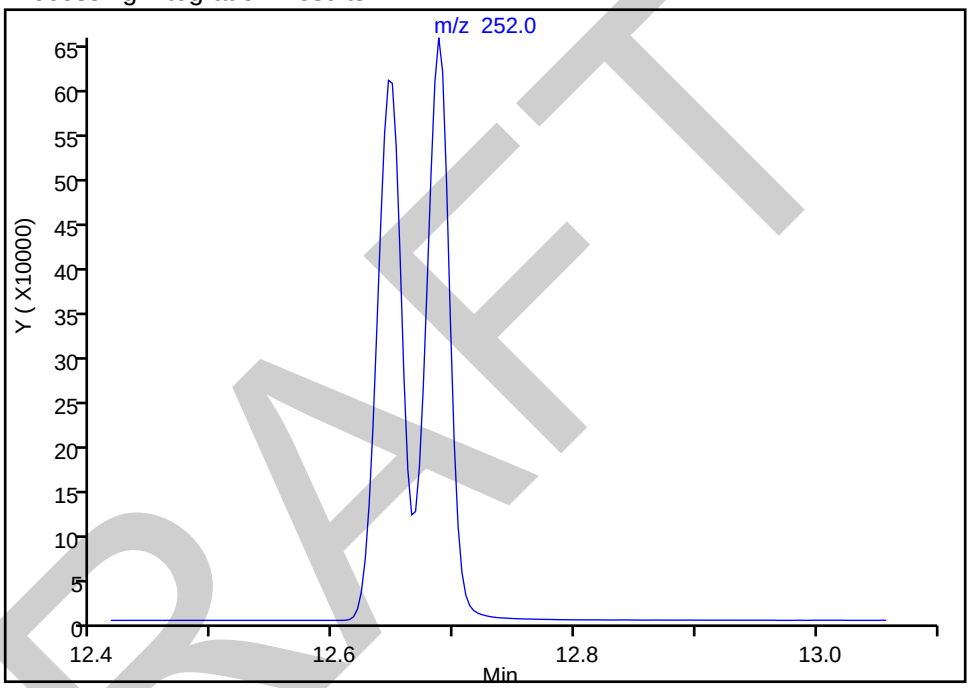
Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37701.d				
Injection Date:	07-Jul-2024 13:52:30	Instrument ID:	CBNAMS12		
Lims ID:	CCVIS				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

105 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

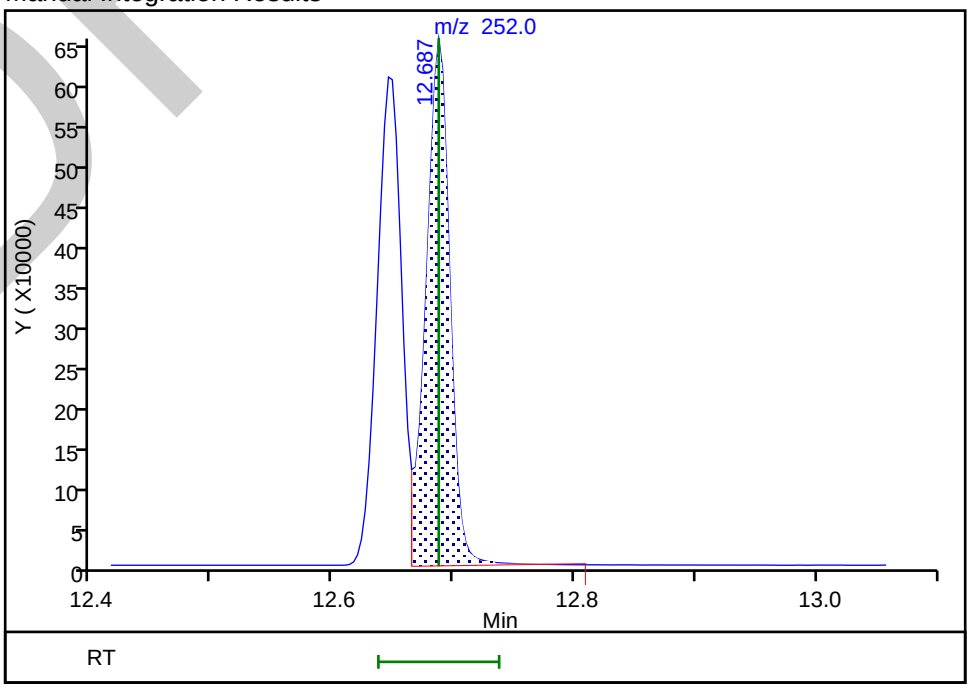
Not Detected
Expected RT: 12.69

Processing Integration Results



Manual Integration Results

RT: 12.69
Area: 910816
Amount: 53.173499
Amount Units: ug/ml



Reviewer: U6BX, 07-Jul-2024 14:14:36 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

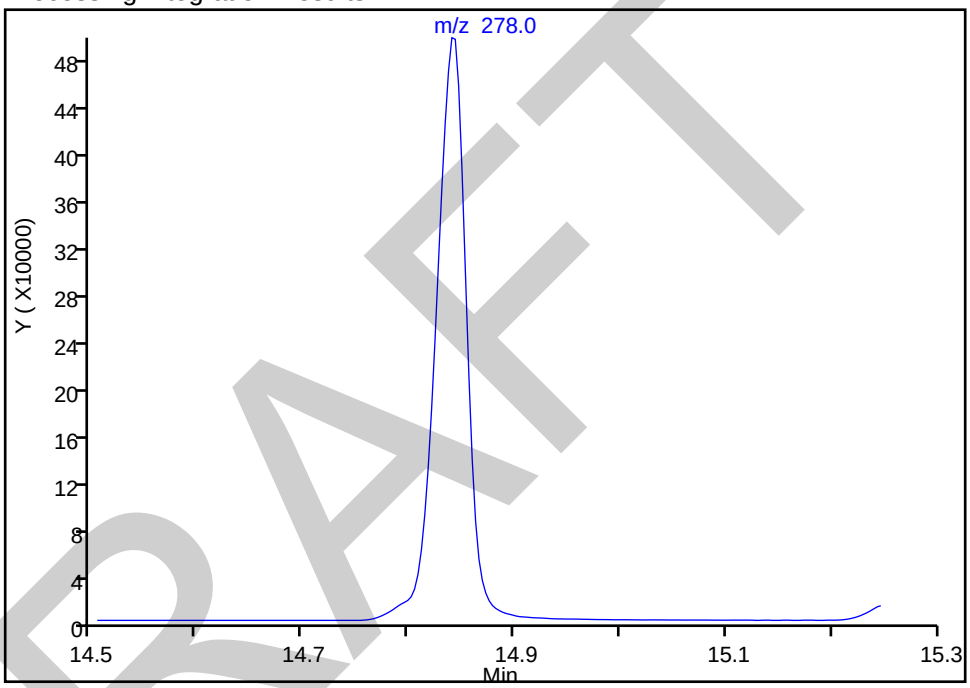
Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37701.d				
Injection Date:	07-Jul-2024 13:52:30	Instrument ID:	CBNAMS12		
Lims ID:	CCVIS				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

109 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

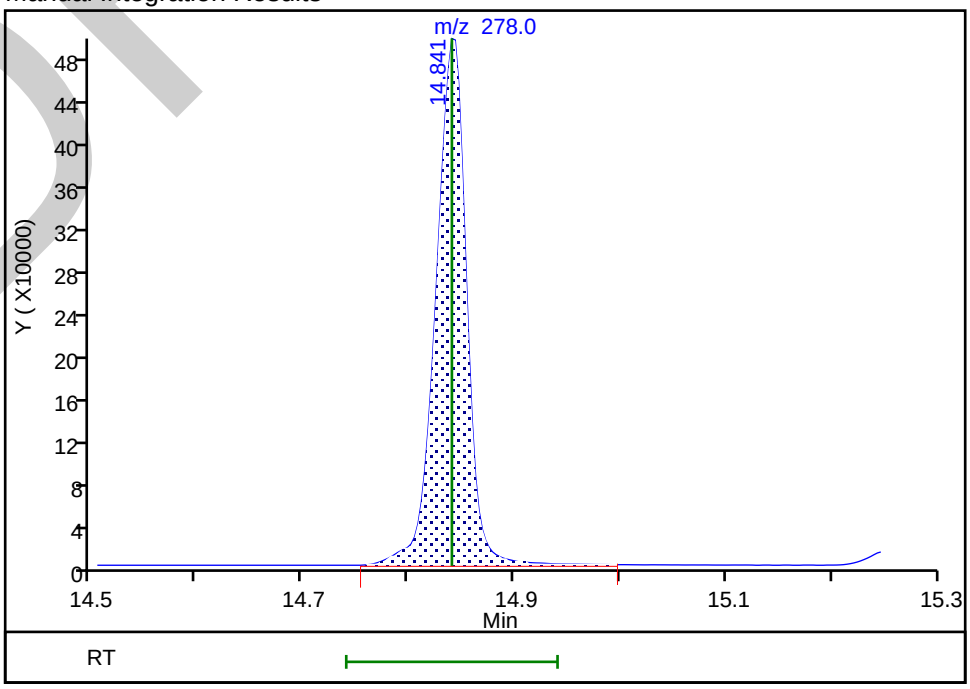
Not Detected
Expected RT: 14.84

Processing Integration Results



Manual Integration Results

RT: 14.84
Area: 993042
Amount: 58.777429
Amount Units: ug/ml



Reviewer: U6BX, 07-Jul-2024 14:14:41 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

DRAFT

Manual Integration/User Assign Peak Report

Eurofins Edison

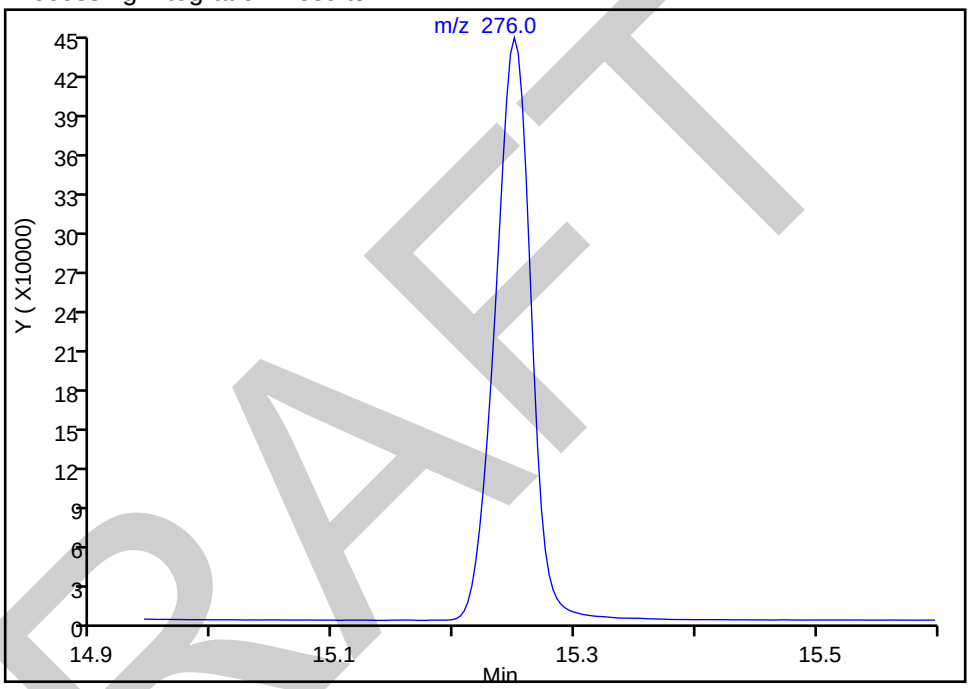
Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37701.d				
Injection Date:	07-Jul-2024 13:52:30	Instrument ID:	CBNAMS12		
Lims ID:	CCVIS				
Client ID:					
Operator ID:		ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

110 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

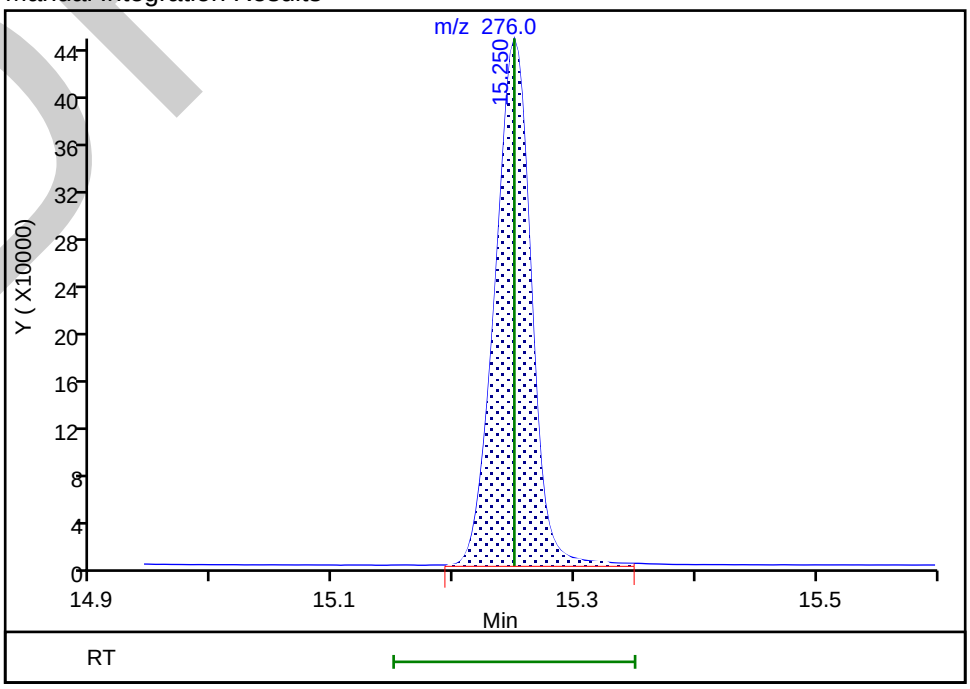
Not Detected
Expected RT: 15.25

Processing Integration Results



Manual Integration Results

RT:	15.25
Area:	925779
Amount:	57.378755
Amount Units:	ug/ml



Reviewer: U6BX, 07-Jul-2024 14:14:42 -04:00:00 (UTC)
Audit Action: Assigned Compound ID Audit Reason: Baseline

DRAFT

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37503.d
Lims ID: DFTPP
Client ID:
Sample Type: DFTPP
Inject. Date: 24-Jun-2024 07:53:30 ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0177545-001
Operator ID: Instrument ID: CBNAMS12

Method: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\8270_12R_9.m
Limit Group: SV 8270E ICAL
Last Update: 24-Jun-2024 11:55:18 Calib Date: 24-Jun-2024 11:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37512.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1642

First Level Reviewer: G4KC Date: 24-Jun-2024 11:55:18

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
23 Pentachlorophenol_T	266	4.322	4.322	0.000	94	133417	NR	NR	
47 Benzidine_T	184	5.626	5.626	0.000	99	761973	NR	NR	
121 DFTPP									
122 4,4'-DDE	246	5.757	5.757	0.000	92	1181		NR	
123 4,4'-DDD	235	6.057	6.057	0.000	93	4140		NR	
124 4,4'-DDT	235	6.275	6.275	0.000	98	326428	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

SMDFTP_CH_00036 Amount Added: 1.00 Units: mL

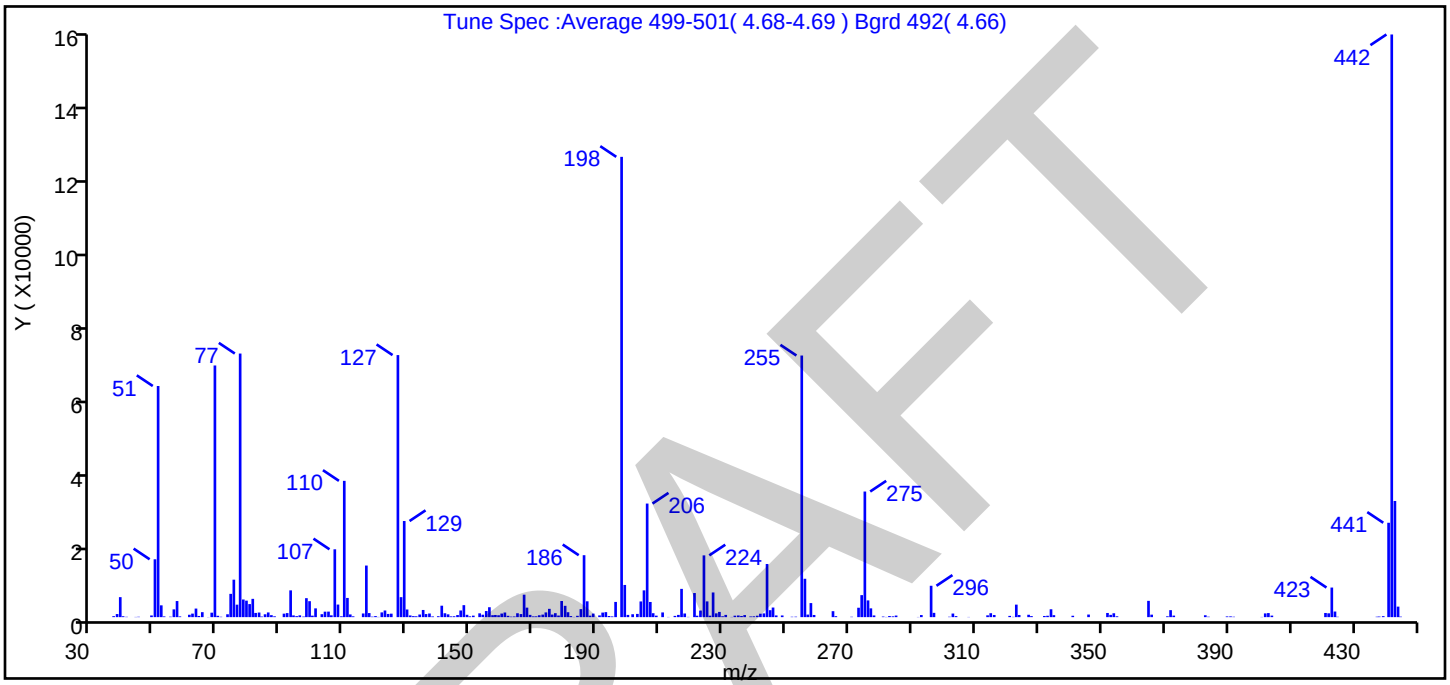
DRAFT

MS Tune Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37503.d
Injection Date: 24-Jun-2024 07:53:30 Instrument ID: CBNAMS12
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_12R_9 Limit Group: SV 8270E ICAL
Tune Method: DFTPP Method 8270E, BP 198

121 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak or present	100.0
68	<2% of m/z 69	1.0 (1.8)
69	Present	54.7
70	<2% of m/z 69	0.3 (0.5)
197	<2% of m/z 198	0.0
199	5-9% of m/z 198	7.0
365	>1% of m/z 198	3.5
441	<150% of m/z 443	20.5 (81.3)
442	Present	126.6
443	15-24% of m/z 442	25.2 (19.9)

DRAFT

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37503.d\8270_12R_9.rslt\spectra.d
Injection Date: 24-Jun-2024 07:53:30
Spectrum: Tune Spec :Average 499-501(4.68-4.69) Bgrd 492(4.66)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 260

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	271	117.00	14140	185.00	2194	273.00	2577
38.00	846	118.00	1117	186.00	16976	274.00	6029
39.00	5482	119.00	134	187.00	4339	275.00	34424
40.00	249	120.00	291	188.00	408	276.00	4588
41.00	94	121.00	66	189.00	976	277.00	2412
44.00	58	122.00	1299	191.00	475	278.00	465
45.00	101	123.00	1821	192.00	1252	281.00	161
49.00	459	124.00	878	193.00	1374	282.00	52
50.00	15855	125.00	954	194.00	305	283.00	305
51.00	63344	127.00	71816	195.00	197	284.00	220
52.00	3235	128.00	5476	196.00	4172	285.00	436
53.00	201	129.00	26344	198.00	126144	292.00	50
55.00	128	130.00	2099	199.00	8822	293.00	570
56.00	2134	131.00	463	200.00	613	296.00	8598
57.00	4412	132.00	274	201.00	797	297.00	1176
58.00	200	133.00	233	203.00	888	302.00	113
61.00	656	134.00	719	204.00	4302	303.00	986
62.00	968	135.00	1967	205.00	7339	304.00	282
63.00	2352	136.00	845	206.00	31128	308.00	53
64.00	324	137.00	998	207.00	4158	314.00	498
65.00	1364	138.00	194	208.00	1078	315.00	1079
67.00	41	140.00	252	209.00	408	316.00	590
68.00	1222	141.00	3136	211.00	1290	321.00	344
69.00	68968	142.00	1064	213.00	53	322.00	76
70.00	371	143.00	766	215.00	343	323.00	3429
71.00	104	144.00	207	216.00	615	324.00	594
73.00	784	145.00	239	217.00	7745	327.00	652
74.00	6382	146.00	570	218.00	1001	328.00	280
75.00	10268	147.00	1826	219.00	65	332.00	319
76.00	3418	148.00	3283	221.00	6609	333.00	381
77.00	72240	149.00	642	222.00	390	334.00	2160
78.00	4838	150.00	221	223.00	1804	335.00	539
79.00	4518	151.00	413	224.00	16928	341.00	379

DRAFT

Report Date: 24-Jun-2024 11:55:19 Chrom Revision: 2.3 23-Jun-2024 11:08:02
Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37503.d\8270_12R_9.rslt\spectra.d
Injection Date: 24-Jun-2024 07:53:30
Spectrum: Tune Spec :Average 499-501(4.68-4.69) Bgrd 492(4.66)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 260

m/z	Y	m/z	Y	m/z	Y	m/z	Y
80.00	3579	153.00	1047	225.00	4315	346.00	710
81.00	5014	154.00	663	226.00	399	352.00	1141
82.00	1155	155.00	1675	227.00	6761	353.00	624
83.00	1261	156.00	2718	228.00	1040	354.00	1065
84.00	164	157.00	532	229.00	1433	355.00	230
85.00	784	158.00	593	230.00	238	365.00	4463
86.00	1284	159.00	512	231.00	616	366.00	682
87.00	541	160.00	985	233.00	53	371.00	228
88.00	223	161.00	1269	234.00	400	372.00	1915
91.00	954	162.00	366	235.00	455	373.00	421
92.00	1112	163.00	138	236.00	322	383.00	517
93.00	7338	164.00	179	237.00	569	384.00	123
94.00	476	165.00	1068	239.00	187	390.00	198
95.00	274	166.00	844	240.00	226	391.00	207
96.00	489	167.00	6156	241.00	392	392.00	112
97.00	151	168.00	2602	242.00	937	401.00	56
98.00	5199	169.00	620	243.00	1028	402.00	1022
99.00	4373	170.00	203	244.00	14567	403.00	1115
100.00	407	171.00	217	245.00	1904	404.00	422
101.00	2407	172.00	513	246.00	2633	421.00	1141
103.00	810	173.00	695	247.00	467	422.00	1048
104.00	1503	174.00	1296	249.00	461	423.00	8109
105.00	1515	175.00	2276	252.00	108	424.00	1538
106.00	495	176.00	701	253.00	129	425.00	103
107.00	18592	177.00	1085	255.00	71696	437.00	114
108.00	3448	178.00	435	256.00	10517	438.00	159
109.00	231	179.00	4421	257.00	700	439.00	268
110.00	37352	180.00	3102	258.00	3851	441.00	25864
111.00	5262	181.00	1345	259.00	593	442.00	159680
112.00	743	182.00	297	265.00	1633	443.00	31832
113.00	222	183.00	52	266.00	264	444.00	2882
116.00	1006	184.00	367	271.00	104	445.00	139

DRAFT

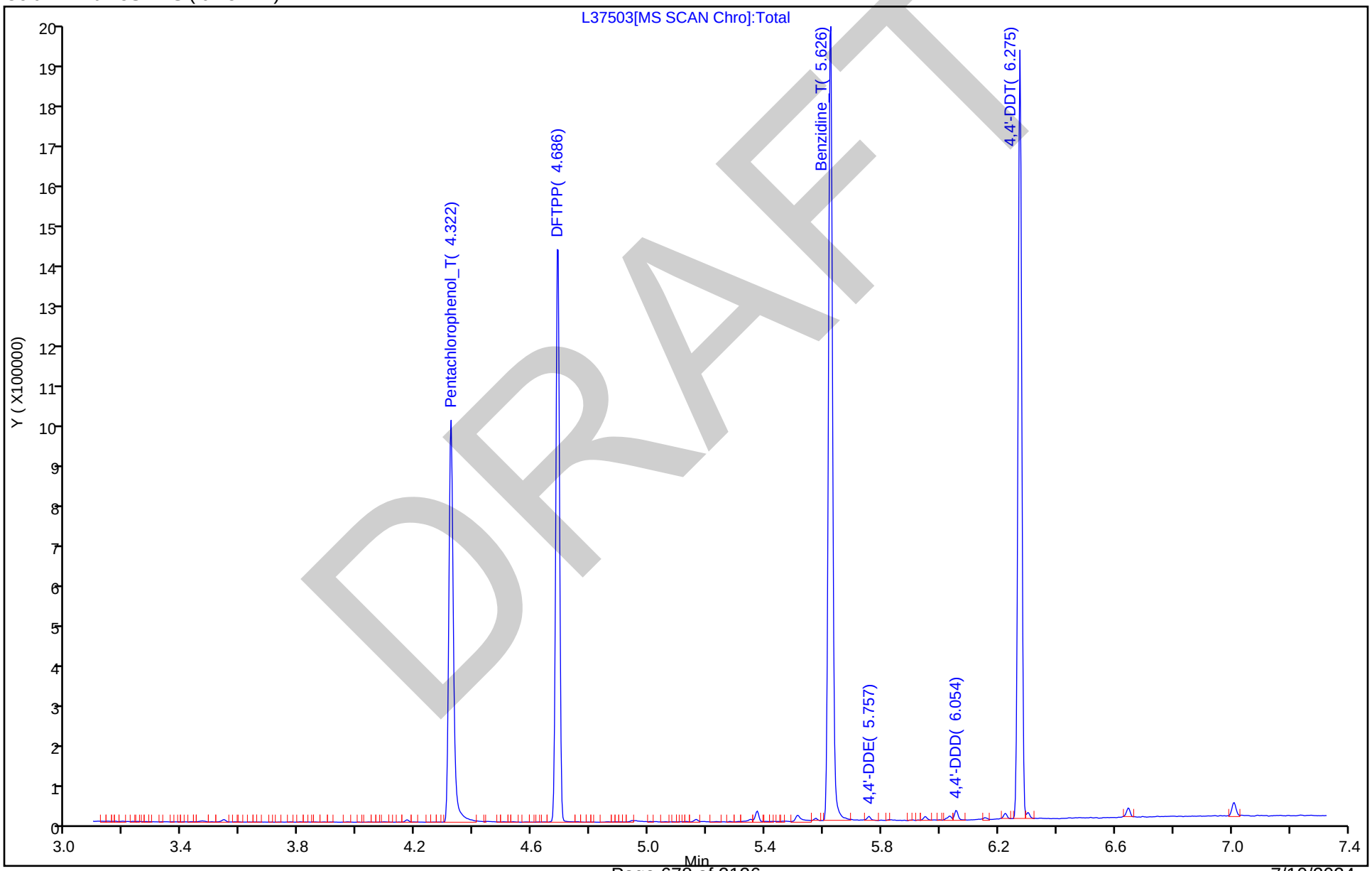
Report Date: 24-Jun-2024 11:55:19 Chrom Revision: 2.3 23-Jun-2024 11:08:02

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37503.d

Injection Date:	24-Jun-2024 07:53:30	Instrument ID:	CBNAMS12	Operator ID:	
Lims ID:	DFTPP			Worklist Smp#:	1
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	1
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



DRAFT

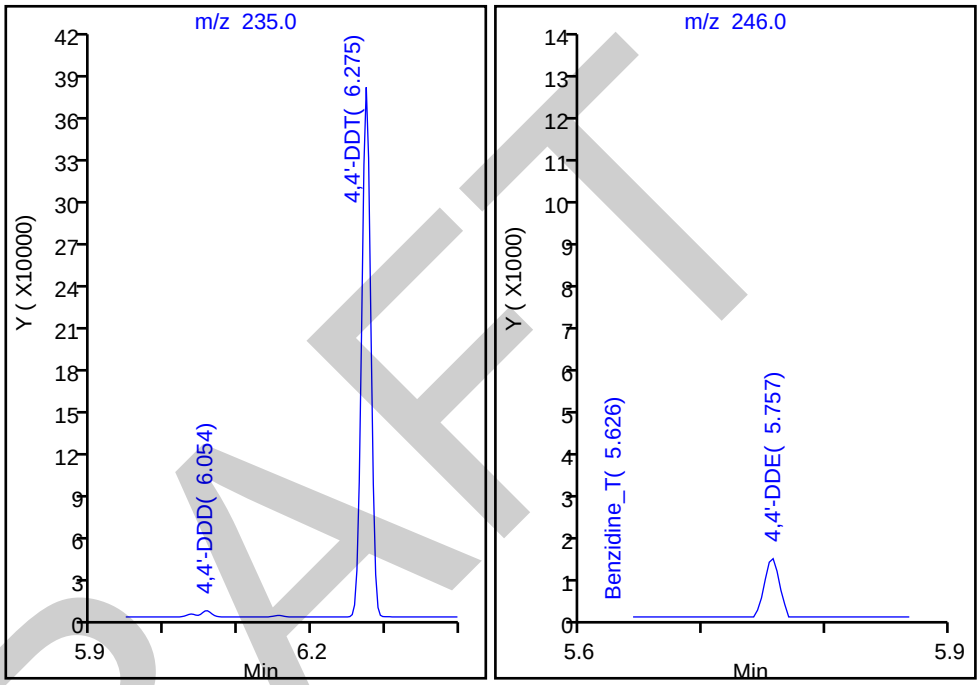
7/10/2024
4:48:04 PM

Breakdown Report

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37503.d
Injection Date: 24-Jun-2024 07:53:30 Instrument ID: CBNAMS12
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_12R_9 Limit Group: SV 8270E ICAL

124 4,4'-DDT, Detector: MS SCAN



SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

124 4,4'-DDT, Area = 326428
123 4,4'-DDD, Area = 4140
122 4,4'-DDE, Area = 1181

%Breakdown: 1.60%, <= 20.00%
Passed

DRAFT

Peak Tailing Report

Eurofins Edison

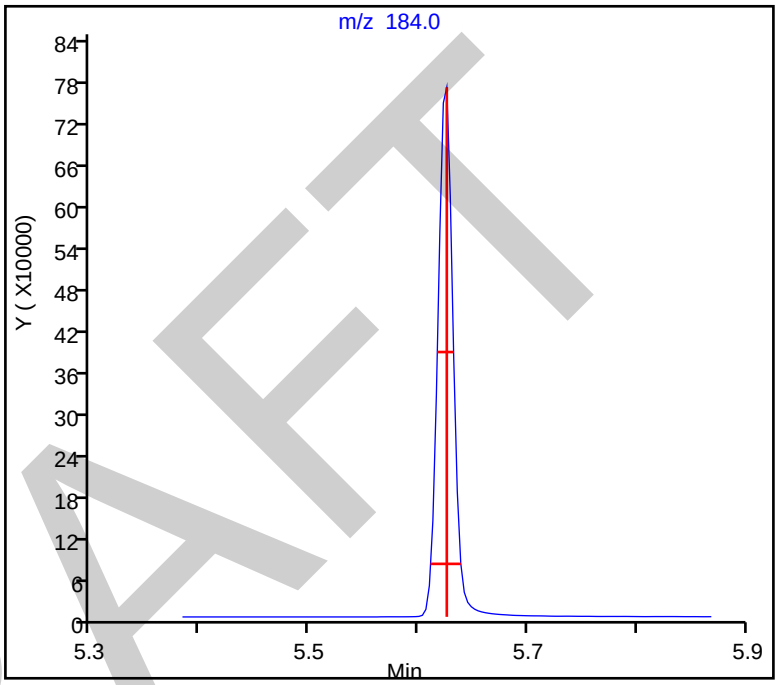
Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37503.d
Injection Date: 24-Jun-2024 07:53:30 Instrument ID: CBNAMS12
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_12R_9 Limit Group: SV 8270E ICAL

47 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.013 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 0.87, Max. Tailing <= 2.00
Passed



DRAFT

Peak Tailing Report

Eurofins Edison

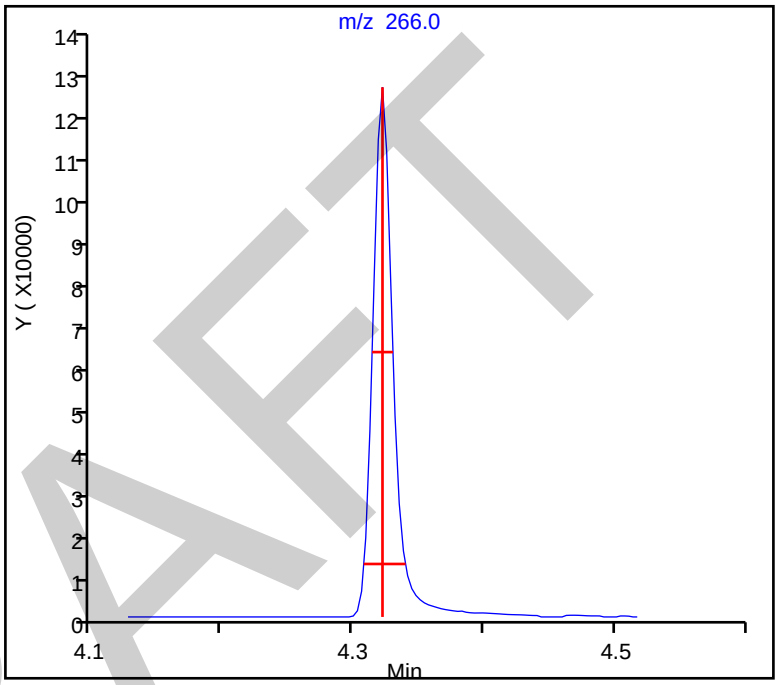
Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37503.d
Injection Date: 24-Jun-2024 07:53:30 Instrument ID: CBNAMS12
Lims ID: DFTPP
Client ID:
Operator ID: ALS Bottle#: 1 Worklist Smp#: 1
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270_12R_9 Limit Group: SV 8270E ICAL

23 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.018 (min.)
Front Width = 0.014 (min.)

Tailing Factor = 1.29, Max. Tailing <= 2.00
Passed



DRAFT

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-307050-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-983903/1-A

Matrix: Solid | Lab File ID: L37703.d

Analysis Method: 8270E | Date Collected:

Extract. Method: 3546 | Date Extracted: 07/06/2024 10:42

Sample wt/vol: 15.00(g) | Date Analyzed: 07/07/2024 14:46

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 983942 | Units: mg/Kg

Preparation Batch No.: 983903 | Instrument ID: CBNAMS12

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	0.033	U	0.033	0.029
95-48-7	2-Methylphenol	0.33	U	0.33	0.012
15831-10-4	3 & 4 Methylphenol	0.33	U	0.33	0.021
83-32-9	Acenaphthene	0.33	U	0.33	0.0094
208-96-8	Acenaphthylene	0.33	U	0.33	0.0095
120-12-7	Anthracene	0.33	U	0.33	0.010
56-55-3	Benzo[a]anthracene	0.033	U	0.033	0.025
50-32-8	Benzo[a]pyrene	0.033	U	0.033	0.0088
205-99-2	Benzo[b]fluoranthene	0.033	U	0.033	0.0086
191-24-2	Benzo[g,h,i]perylene	0.33	U	0.33	0.0098
207-08-9	Benzo[k]fluoranthene	0.033	U	0.033	0.0065
218-01-9	Chrysene	0.33	U	0.33	0.014
53-70-3	Dibenz(a,h)anthracene	0.033	U	0.033	0.014
132-64-9	Dibenzofuran	0.33	U	0.33	0.011
206-44-0	Fluoranthene	0.33	U	0.33	0.012
86-73-7	Fluorene	0.33	U	0.33	0.0097
118-74-1	Hexachlorobenzene	0.033	U	0.033	0.016
193-39-5	Indeno[1,2,3-cd]pyrene	0.033	U	0.033	0.013
91-20-3	Naphthalene	0.33	U	0.33	0.0057
87-86-5	Pentachlorophenol	0.27	U	0.27	0.068
85-01-8	Phenanthrene	0.33	U	0.33	0.014
108-95-2	Phenol	0.33	U	0.33	0.012
129-00-0	Pyrene	0.33	U	0.33	0.0082

DRAFT

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-307050-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 460-983903/1-A

Matrix: Solid | Lab File ID: L37703.d

Analysis Method: 8270E | Date Collected:

Extract. Method: 3546 | Date Extracted: 07/06/2024 10:42

Sample wt/vol: 15.00(g) | Date Analyzed: 07/07/2024 14:46

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 983942 | Units: mg/Kg

Preparation Batch No.: 983903 | Instrument ID: CBNAMS12

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	108		24-137
321-60-8	2-Fluorobiphenyl	111		38-128
367-12-4	2-Fluorophenol (Surr)	109		31-133
4165-60-0	Nitrobenzene-d5 (Surr)	110		31-120
4165-62-2	Phenol-d5 (Surr)	110		35-132
1718-51-0	Terphenyl-d14 (Surr)	134		44-147

DRAFT

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37703.d
Lims ID: MB 460-983903/1-A
Client ID:
Sample Type: MB
Inject. Date: 07-Jul-2024 14:46:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0178055-004
Operator ID: Instrument ID: CBNAMS12

Method: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\8270_12R_9.m
Limit Group: SV 8270E ICAL
Last Update: 08-Jul-2024 13:09:41 Calib Date: 24-Jun-2024 11:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37512.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: C8UP Date: 08-Jul-2024 13:09:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
$ 4 2-Fluorophenol	112	3.024	3.015	0.009	94	323765	50.0	54.7	
$ 6 Phenol-d5	99	3.930	3.934	-0.004	0	438251	50.0	55.1	
* 13 1,4-Dichlorobenzene-d4	152	4.294	4.295	-0.001	97	170924	40.0	40.0	
$ 26 Nitrobenzene-d5	82	4.840	4.842	-0.002	88	367687	50.0	55.2	
* 36 Naphthalene-d8	136	5.516	5.519	-0.003	99	641806	40.0	40.0	
$ 50 2-Fluorobiphenyl	172	6.554	6.551	0.003	97	644896	50.0	55.4	
* 63 Acenaphthene-d10	164	7.192	7.191	0.001	96	324907	40.0	40.0	
$ 79 2,4,6-Tribromophenol	330	7.945	7.949	-0.004	93	128469	50.0	53.8	
* 85 Phenanthrene-d10	188	8.609	8.610	-0.001	99	583499	40.0	40.0	
$ 94 Terphenyl-d14	244	10.134	10.135	-0.001	97	742004	50.0	67.2	
* 100 Chrysene-d12	240	11.257	11.262	-0.005	98	371418	40.0	40.0	
* 107 Perylene-d12	264	13.188	13.192	-0.004	97	422394	40.0	40.0	

QC Flag Legend
Processing Flags

Reagents:
SM_ISTD_00197 Amount Added: 20.00 Units: uL Run Reagent

DRAFT

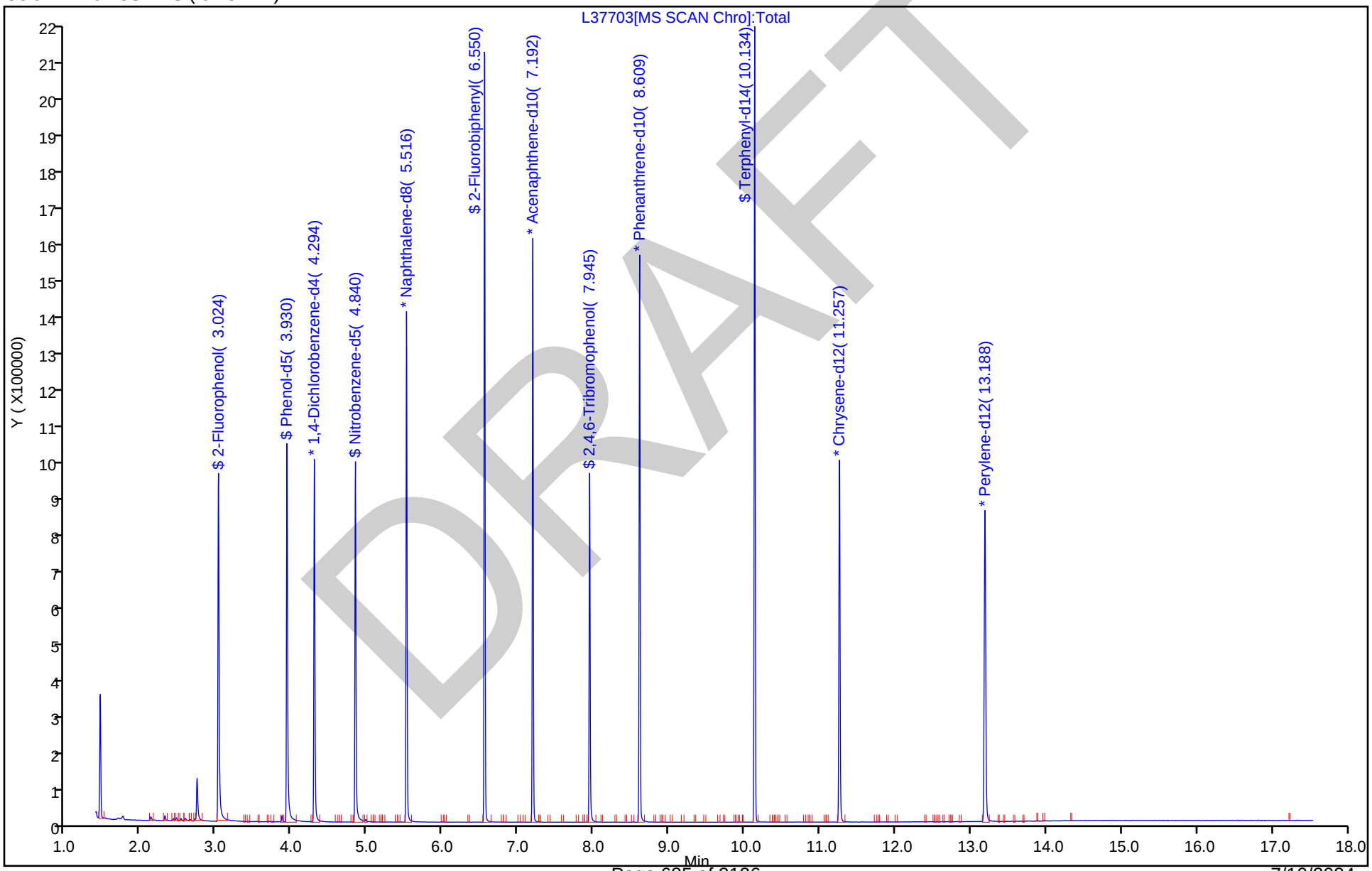
Report Date: 08-Jul-2024 13:09:41 Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37703.d

Injection Date:	07-Jul-2024 14:46:30	Instrument ID:	CBNAMS12	Operator ID:	
Lims ID:	MB 460-983903/1-A			Worklist Smp#:	4
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	4
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



DRAFT

7/10/2024
4:48:04 PM

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37703.d
Lims ID: MB 460-983903/1-A
Client ID:
Sample Type: MB
Inject. Date: 07-Jul-2024 14:46:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0178055-004
Operator ID: Instrument ID: CBNAMS12

Method: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\8270_12R_9.m
Limit Group: SV 8270E ICAL
Last Update: 08-Jul-2024 13:09:41 Calib Date: 24-Jun-2024 11:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37512.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: C8UP Date: 08-Jul-2024 13:09:41

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 2-Fluorophenol	50.0	54.7	109.49
$ 6 Phenol-d5	50.0	55.1	110.13
$ 26 Nitrobenzene-d5	50.0	55.2	110.45
$ 50 2-Fluorobiphenyl	50.0	55.4	110.74
$ 79 2,4,6-Tribromophenol	50.0	53.8	107.66
$ 94 Terphenyl-d14	50.0	67.2	134.46

DRAFT

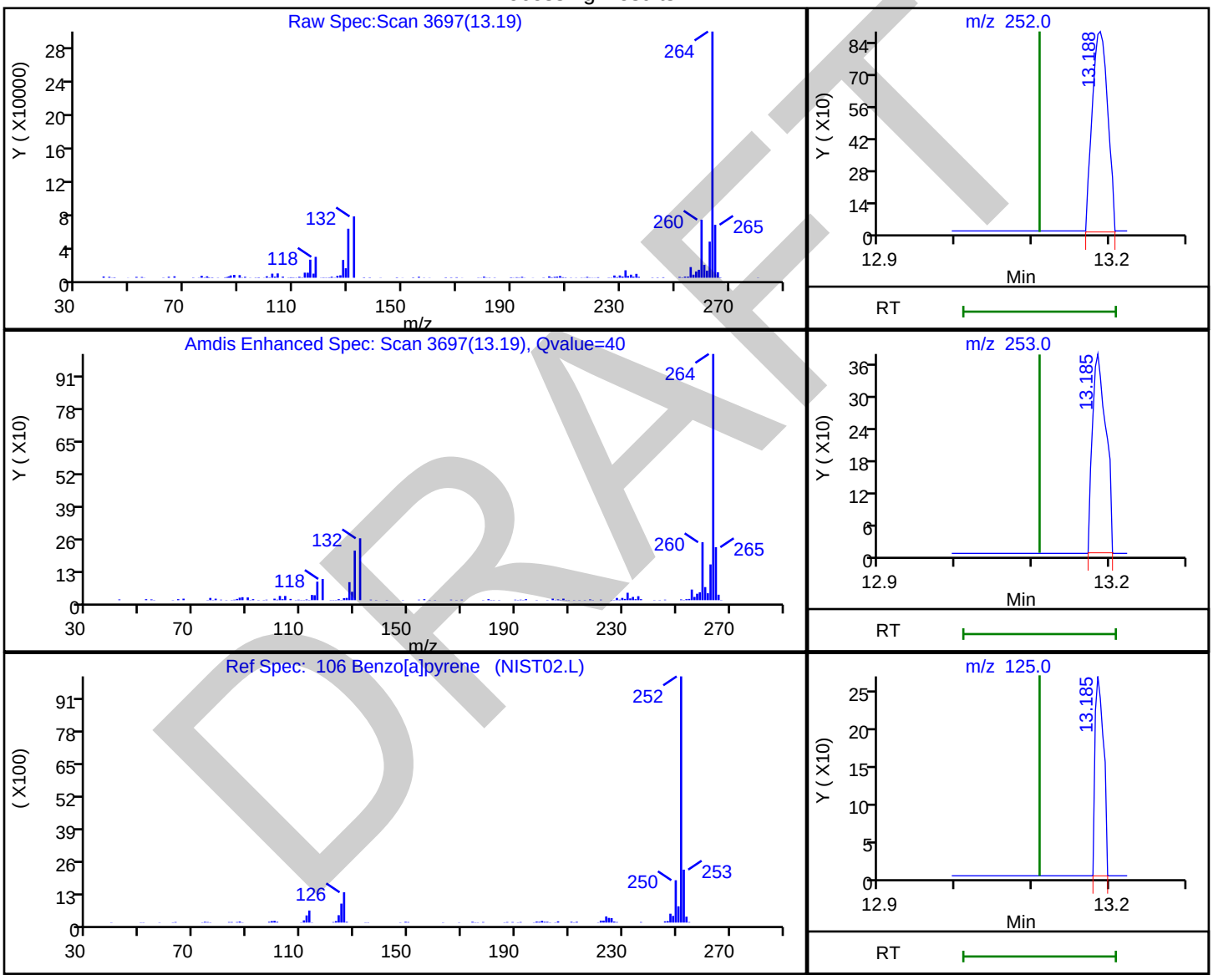
User Disabled Compound Report

Eurofins Edison

Data File:	\\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37703.d				
Injection Date:	07-Jul-2024 14:46:30	Instrument ID:	CBNAMS12		
Lims ID:	MB 460-983903/1-A				
Client ID:					
Operator ID:		ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		
Column:	Rtxi-5Sil MS (0.25 mm)	Detector	MS SCAN		

106 Benzo[a]pyrene, CAS: 50-32-8

Processing Results



RT	Mass	Response	Amount
13.19	252.00	1240	0.113435
13.19	253.00	457	
13.19	125.00	207	

Reviewer: C8UP, 08-Jul-2024 13:09:02 07:00:00 (UTC)

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

DRAFT

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-307050-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-983903/2-A

Matrix: Solid | Lab File ID: L37704.d

Analysis Method: 8270E | Date Collected:

Extract. Method: 3546 | Date Extracted: 07/06/2024 10:42

Sample wt/vol: 15.00(g) | Date Analyzed: 07/07/2024 15:09

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 983942 | Units: mg/Kg

Preparation Batch No.: 983903 | Instrument ID: CBNAMS12

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	1.92		0.033	0.029
95-48-7	2-Methylphenol	2.58		0.33	0.012
15831-10-4	3 & 4 Methylphenol	2.59		0.33	0.021
83-32-9	Acenaphthene	2.71		0.33	0.0094
208-96-8	Acenaphthylene	2.66		0.33	0.0095
120-12-7	Anthracene	2.80		0.33	0.010
56-55-3	Benzo[a]anthracene	2.75		0.033	0.025
50-32-8	Benzo[a]pyrene	2.89		0.033	0.0088
205-99-2	Benzo[b]fluoranthene	2.86		0.033	0.0086
191-24-2	Benzo[g,h,i]perylene	3.31		0.33	0.0098
207-08-9	Benzo[k]fluoranthene	2.87		0.033	0.0065
218-01-9	Chrysene	2.83		0.33	0.014
53-70-3	Dibenz(a,h)anthracene	3.38		0.033	0.014
132-64-9	Dibenzofuran	2.79		0.33	0.011
206-44-0	Fluoranthene	2.73		0.33	0.012
86-73-7	Fluorene	2.72		0.33	0.0097
118-74-1	Hexachlorobenzene	2.95		0.033	0.016
193-39-5	Indeno[1,2,3-cd]pyrene	3.33		0.033	0.013
91-20-3	Naphthalene	2.65		0.33	0.0057
87-86-5	Pentachlorophenol	5.77		0.27	0.068
85-01-8	Phenanthrene	2.79		0.33	0.014
108-95-2	Phenol	2.60		0.33	0.012
129-00-0	Pyrene	2.83		0.33	0.0082

DRAFT

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-307050-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 460-983903/2-A

Matrix: Solid | Lab File ID: L37704.d

Analysis Method: 8270E | Date Collected:

Extract. Method: 3546 | Date Extracted: 07/06/2024 10:42

Sample wt/vol: 15.00(g) | Date Analyzed: 07/07/2024 15:09

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 983942 | Units: mg/Kg

Preparation Batch No.: 983903 | Instrument ID: CBNAMS12

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	80		24-137
321-60-8	2-Fluorobiphenyl	81		38-128
367-12-4	2-Fluorophenol (Surr)	79		31-133
4165-60-0	Nitrobenzene-d5 (Surr)	78		31-120
4165-62-2	Phenol-d5 (Surr)	80		35-132
1718-51-0	Terphenyl-d14 (Surr)	83		44-147

DRAFT

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37704.d
Lims ID: LCS 460-983903/2-A
Client ID:
Sample Type: LCS
Inject. Date: 07-Jul-2024 15:09:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0178055-005
Operator ID: Instrument ID: CBNAMS12

Method: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\8270_12R_9.m
Limit Group: SV 8270E ICAL
Last Update: 08-Jul-2024 13:11:43 Calib Date: 24-Jun-2024 11:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37512.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: C8UP Date: 08-Jul-2024 13:11:43

	Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
	1 1,4-Dioxane	88	1.658	1.645	0.013	95	68780	50.0	28.8	
	2 N-Nitrosodimethylamine	74	1.897	1.890	0.006	90	136899	50.0	35.3	
	3 Pyridine	79	1.919	1.906	0.012	92	209765	100.0	37.0	
$	4 2-Fluorophenol	112	3.021	3.015	0.006	95	232919	50.0	39.6	
	5 Benzaldehyde	77	3.889	3.893	-0.004	96	98314	20.0	19.0	E
$	6 Phenol-d5	99	3.934	3.934	0.000	0	316710	50.0	40.0	
	7 Phenol	94	3.950	3.946	0.003	98	307581	50.0	39.0	
	8 Aniline	93	3.985	3.981	0.003	100	266990	50.0	29.4	
	9 Bis(2-chloroethyl)ether	93	4.045	4.045	-0.001	93	225539	50.0	40.4	
	10 2-Chlorophenol	128	4.090	4.086	0.002	96	245611	50.0	40.2	
	11 n-Decane	43	4.106	4.104	0.002	92	238088	50.0	35.1	
	12 1,3-Dichlorobenzene	146	4.237	4.233	0.002	94	240562	50.0	38.0	
*	13 1,4-Dichlorobenzene-d4	152	4.295	4.295	0.000	96	169898	40.0	40.0	
	14 1,4-Dichlorobenzene	146	4.311	4.310	0.000	94	245371	50.0	38.7	
	15 Benzyl alcohol	108	4.435	4.431	0.002	92	149462	50.0	38.1	
	16 1,2-Dichlorobenzene	146	4.454	4.451	0.002	96	233471	50.0	38.4	
	17 2-Methylphenol	108	4.537	4.534	0.002	87	204039	50.0	38.7	
	18 2,2'-oxybis[1-chloropropane]	45	4.550	4.546	0.002	94	335123	50.0	37.7	a
	130 N-Methylaniline	106	4.681	4.677	0.002	89	335191	50.0	36.9	a
	21 N-Nitrosodi-n-propylamine	70	4.688	4.684	0.003	78	174796	50.0	39.4	
	20 3 & 4 Methylphenol	108	4.688	4.687	0.000	86	234062	50.0	38.9	
	19 4-Methylphenol	108	4.688	4.687	0.000	81	234062	50.0	38.9	
	22 Acetophenone	105	4.691	4.690	-0.001	92	319262	50.0	38.8	
	25 Hexachloroethane	117	4.771	4.767	0.003	96	94214	50.0	38.2	
$	26 Nitrobenzene-d5	82	4.841	4.842	-0.001	89	252524	50.0	39.0	
	28 n,n'-Dimethylaniline	120	4.847	4.843	0.002	97	321270	50.0	36.9	
	27 Nitrobenzene	123	4.860	4.859	-0.001	95	108902	50.0	40.0	
	29 Isophorone	82	5.081	5.079	-0.001	99	432425	50.0	38.8	
	30 2-Nitrophenol	139	5.160	5.159	-0.001	91	121216	50.0	39.5	
	31 2,4-Dimethylphenol	122	5.199	5.194	0.003	90	128729	50.0	31.6	
	32 Bis(2-chloroethoxy)methane	93	5.295	5.293	0.000	97	274944	50.0	40.2	
	33 Benzoic acid	122	5.304	5.309	-0.007	88	135770	50.0	38.8	

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Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 2,4-Dichlorophenol	162	5.387	5.385	-0.001	96	185501	50.0	42.5	
35 1,2,4-Trichlorobenzene	180	5.461	5.459	-0.001	95	191481	50.0	39.6	
* 36 Naphthalene-d8	136	5.518	5.519	-0.001	99	624122	40.0	40.0	
37 Naphthalene	128	5.537	5.536	-0.001	99	628369	50.0	39.7	
131 2,6-Dichlorophenol	162	5.601	5.599	-0.001	96	178105	50.0	41.7	
38 4-Chloroaniline	127	5.605	5.603	-0.001	96	223337	50.0	32.8	
39 Hexachlorobutadiene	225	5.637	5.635	-0.001	96	104222	50.0	39.8	
40 Caprolactam	113	5.946	5.944	-0.001	90	27762	20.0	15.8	
41 4-Chloro-3-methylphenol	107	6.071	6.066	0.002	97	189563	50.0	40.8	
42 2-Methylnaphthalene	142	6.202	6.196	0.002	84	418229	50.0	40.0	
43 1-Methylnaphthalene	142	6.295	6.289	0.003	93	384441	50.0	40.2	
44 Hexachlorocyclopentadiene	237	6.330	6.332	-0.001	97	64377	50.0	26.4	
45 1,2,4,5-Tetrachlorobenzene	216	6.355	6.354	0.002	97	187578	50.0	41.1	
46 2-tertbutyl-4-methylphenol	149	6.391	6.388	-0.002	90	243502	50.0	39.1	
48 2,4,6-Trichlorophenol	196	6.474	6.476	-0.001	89	128672	50.0	42.6	
49 2,4,5-Trichlorophenol	196	6.509	6.511	-0.001	96	138486	50.0	42.3	
$ 50 2-Fluorobiphenyl	172	6.554	6.551	0.003	97	451083	50.0	40.3	
51 1,1'-Biphenyl	154	6.650	6.647	0.003	97	488097	50.0	41.0	
52 2-Chloronaphthalene	162	6.669	6.667	0.002	97	386430	50.0	41.2	
53 Phenyl ether	170	6.749	6.751	-0.001	88	243675	50.0	38.1	
54 2-Nitroaniline	65	6.784	6.786	-0.001	98	127323	50.0	39.9	
55 1,3-Dimethylnaphthalene	156	6.870	6.872	-0.001	91	292633	50.0	38.8	
58 Dimethyl phthalate	163	6.950	6.952	-0.001	98	434667	50.0	41.2	
59 Coumarin	146	6.982	6.979	-0.001	80	147015	50.0	37.2	
60 2,6-Dinitrotoluene	165	7.017	7.019	-0.001	94	97809	50.0	41.9	
61 Acenaphthylene	152	7.062	7.061	0.002	97	566421	50.0	39.9	
62 3-Nitroaniline	138	7.180	7.182	-0.001	94	105928	50.0	36.4	
* 63 Acenaphthene-d10	164	7.193	7.191	0.002	97	312000	40.0	40.0	
64 3,5-di-tert-butyl-4-hydroxytol	205	7.199	7.201	-0.001	98	277039	50.0	42.6	
65 Acenaphthene	154	7.222	7.223	-0.001	97	349042	50.0	40.7	
66 2,4-Dinitrophenol	184	7.286	7.285	0.002	95	105420	100.0	70.4	
67 4-Nitrophenol	65	7.346	7.349	-0.002	94	147093	100.0	72.3	
69 Dibenzofuran	168	7.391	7.390	0.002	98	536618	50.0	41.9	
68 2,4-Dinitrotoluene	165	7.401	7.403	-0.001	95	130885	50.0	41.9	
70 2,3,4,6-Tetrachlorophenol	232	7.506	7.508	-0.001	94	108115	50.0	40.9	
72 n-Octadecane	57	7.612	7.611	-0.001	93	295597	50.0	42.1	
71 Diethyl phthalate	149	7.618	7.620	-0.001	98	434741	50.0	40.3	
74 Fluorene	166	7.717	7.716	0.002	94	418754	50.0	40.7	
73 4-Chlorophenyl phenyl ether	204	7.717	7.719	-0.001	87	193553	50.0	41.7	
75 4-Nitroaniline	138	7.768	7.771	-0.002	92	95882	50.0	34.7	
76 4,6-Dinitro-2-methylphenol	198	7.784	7.784	-0.002	87	160398	100.0	91.1	
77 N-Nitrosodiphenylamine	169	7.839	7.838	-0.001	98	302658	50.0	42.7	
78 1,2-Diphenylhydrazine	77	7.871	7.872	-0.001	97	463746	50.0	41.8	
132 Azobenzene	77	7.871	7.872	-0.001	97	465631	50.0	42.0	
$ 79 2,4,6-Tribromophenol	330	7.948	7.949	-0.001	93	92170	50.0	40.2	
80 4-Bromophenyl phenyl ether	248	8.184	8.183	-0.001	91	121993	50.0	42.7	
81 Hexachlorobenzene	284	8.222	8.222	-0.002	96	160399	50.0	44.2	
82 Atrazine	200	8.353	8.350	0.002	89	56037	20.0	21.1	
84 Pentachloronitrobenzene	237	8.427	8.423	0.002	88	53650	50.0	41.3	
83 Pentachlorophenol	266	8.424	8.423	-0.001	94	189863	100.0	86.6	
* 85 Phenanthrene-d10	188	8.609	8.610	-0.001	98	546887	40.0	40.0	
86 Phenanthrene	178	8.632	8.631	-0.001	98	583700	50.0	41.8	

DRAFT

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
87 Anthracene	178	8.680	8.679	-0.001	98	599252	50.0	42.0	
88 Carbazole	167	8.849	8.845	0.002	96	547430	50.0	40.6	
89 Di-n-butyl phthalate	149	9.171	9.171	-0.002	99	700841	50.0	41.5	
90 Fluoranthene	202	9.762	9.762	-0.002	96	610935	50.0	40.9	
91 Benzidine	184	9.915	9.909	0.001	100	233110	50.0	29.1	
92 Pyrene	202	9.979	9.977	-0.002	96	636040	50.0	42.5	
93 Bisphenol-A	213	10.040	10.042	-0.002	98	133025	25.0	20.0	
$ 94 Terphenyl-d14	244	10.133	10.135	-0.002	97	515179	50.0	41.7	
95 Butyl benzyl phthalate	149	10.644	10.638	0.001	97	285764	50.0	40.8	
97 Carbamazepine	193	10.759	10.756	-0.002	93	242180	50.0	43.6	
98 3,3'-Dichlorobenzidine	252	11.238	11.235	-0.002	99	182087	50.0	32.8	
99 Benzo[a]anthracene	228	11.251	11.250	0.001	100	576711	50.0	41.3	
* 100 Chrysene-d12	240	11.260	11.262	-0.002	98	415786	40.0	40.0	
101 Chrysene	228	11.292	11.291	0.001	98	545063	50.0	42.5	
102 Bis(2-ethylhexyl) phthalate	149	11.296	11.290	0.002	86	416535	50.0	42.4	
103 Di-n-octyl phthalate	149	12.152	12.150	-0.002	96	769980	50.0	41.2	
104 Benzo[b]fluoranthene	252	12.647	12.642	0.001	98	645607	50.0	42.8	
105 Benzo[k]fluoranthene	252	12.685	12.684	-0.002	98	662300	50.0	43.1	
106 Benzo[a]pyrene	252	13.110	13.109	0.001	95	615331	50.0	43.3	
* 107 Perylene-d12	264	13.190	13.192	-0.002	97	549213	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.796	14.795	-0.003	98	781424	50.0	49.9	
109 Dibenz(a,h)anthracene	278	14.838	14.837	-0.003	97	768101	50.0	50.6	
110 Benzo[g,h,i]perylene	276	15.250	15.246	0.000	96	718796	50.0	49.6	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Review Flags

a - User Assigned ID

Reagents:

SM_ISTD_00197 Amount Added: 20.00 Units: uL Run Reagent

DRAFT

Report Date: 08-Jul-2024 13:11:43 Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37704.d

Injection Date: 07-Jul-2024 15:09:30 Instrument ID: CBNAMS12 Operator ID:

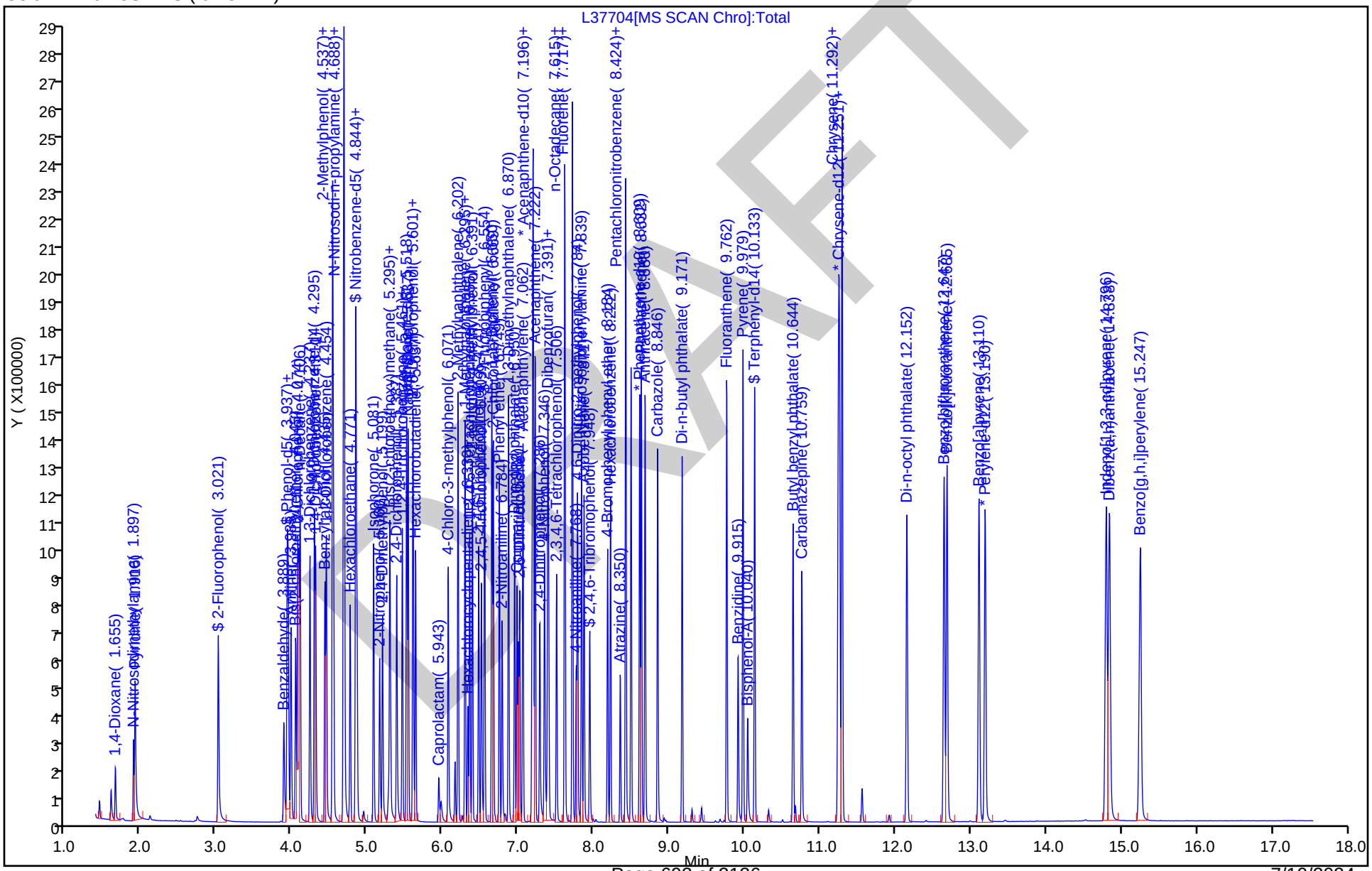
Lims ID: LCS 460-983903/2-A Worklist Smp#: 5

Client ID:

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 5

Method: 8270_12R_9 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



DRAFT

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37704.d
Lims ID: LCS 460-983903/2-A
Client ID:
Sample Type: LCS
Inject. Date: 07-Jul-2024 15:09:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0178055-005
Operator ID: Instrument ID: CBNAMS12

Method: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\8270_12R_9.m
Limit Group: SV 8270E ICAL
Last Update: 08-Jul-2024 13:11:43 Calib Date: 24-Jun-2024 11:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37512.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: C8UP Date: 08-Jul-2024 13:11:43

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 2-Fluorophenol	50.0	39.6	79.25
$ 6 Phenol-d5	50.0	40.0	80.07
$ 26 Nitrobenzene-d5	50.0	39.0	78.01
$ 50 2-Fluorobiphenyl	50.0	40.3	80.66
$ 79 2,4,6-Tribromophenol	50.0	40.2	80.44
$ 94 Terphenyl-d14	50.0	41.7	83.40

DRAFT

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-307050-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-983903/3-A

Matrix: Solid | Lab File ID: L37705.d

Analysis Method: 8270E | Date Collected:

Extract. Method: 3546 | Date Extracted: 07/06/2024 10:42

Sample wt/vol: 15.00(g) | Date Analyzed: 07/07/2024 15:32

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 983942 | Units: mg/Kg

Preparation Batch No.: 983903 | Instrument ID: CBNAMS12

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	1.86		0.033	0.029
95-48-7	2-Methylphenol	2.61		0.33	0.012
15831-10-4	3 & 4 Methylphenol	2.59		0.33	0.021
83-32-9	Acenaphthene	2.65		0.33	0.0094
208-96-8	Acenaphthylene	2.64		0.33	0.0095
120-12-7	Anthracene	2.77		0.33	0.010
56-55-3	Benzo[a]anthracene	2.74		0.033	0.025
50-32-8	Benzo[a]pyrene	2.88		0.033	0.0088
205-99-2	Benzo[b]fluoranthene	2.84		0.033	0.0086
191-24-2	Benzo[g,h,i]perylene	3.28		0.33	0.0098
207-08-9	Benzo[k]fluoranthene	2.89		0.033	0.0065
218-01-9	Chrysene	2.82		0.33	0.014
53-70-3	Dibenz(a,h)anthracene	3.33		0.033	0.014
132-64-9	Dibenzofuran	2.74		0.33	0.011
206-44-0	Fluoranthene	2.75		0.33	0.012
86-73-7	Fluorene	2.70		0.33	0.0097
118-74-1	Hexachlorobenzene	2.88		0.033	0.016
193-39-5	Indeno[1,2,3-cd]pyrene	3.27		0.033	0.013
91-20-3	Naphthalene	2.63		0.33	0.0057
87-86-5	Pentachlorophenol	5.75		0.27	0.068
85-01-8	Phenanthrene	2.79		0.33	0.014
108-95-2	Phenol	2.58		0.33	0.012
129-00-0	Pyrene	2.76		0.33	0.0082

DRAFT

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-307050-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 460-983903/3-A

Matrix: Solid | Lab File ID: L37705.d

Analysis Method: 8270E | Date Collected:

Extract. Method: 3546 | Date Extracted: 07/06/2024 10:42

Sample wt/vol: 15.00(g) | Date Analyzed: 07/07/2024 15:32

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: % Solids: | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 983942 | Units: mg/Kg

Preparation Batch No.: 983903 | Instrument ID: CBNAMS12

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	80		24-137
321-60-8	2-Fluorobiphenyl	79		38-128
367-12-4	2-Fluorophenol (Surr)	78		31-133
4165-60-0	Nitrobenzene-d5 (Surr)	77		31-120
4165-62-2	Phenol-d5 (Surr)	78		35-132
1718-51-0	Terphenyl-d14 (Surr)	82		44-147

DRAFT

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37705.d
Lims ID: LCSD 460-983903/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 07-Jul-2024 15:32:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0178055-006
Operator ID: Instrument ID: CBNAMS12

Method: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\8270_12R_9.m
Limit Group: SV 8270E ICAL
Last Update: 08-Jul-2024 13:13:41 Calib Date: 24-Jun-2024 11:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37512.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: C8UP Date: 08-Jul-2024 13:13:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.654	1.645	0.009	96	62993	50.0	27.9	
2 N-Nitrosodimethylamine	74	1.897	1.890	0.006	91	126439	50.0	34.5	
3 Pyridine	79	1.916	1.906	0.009	92	197054	100.0	36.7	
$ 4 2-Fluorophenol	112	3.021	3.015	0.006	95	218005	50.0	39.2	
5 Benzaldehyde	77	3.889	3.893	-0.004	96	92292	20.0	18.9	E
$ 6 Phenol-d5	99	3.933	3.934	-0.001	0	293577	50.0	39.2	
7 Phenol	94	3.946	3.946	-0.001	98	287974	50.0	38.6	
8 Aniline	93	3.985	3.981	0.003	99	252288	50.0	29.4	
9 Bis(2-chloroethyl)ether	93	4.045	4.045	-0.001	93	212427	50.0	40.2	
10 2-Chlorophenol	128	4.090	4.086	0.002	96	229872	50.0	39.8	
11 n-Decane	43	4.106	4.104	0.002	93	225025	50.0	35.1	
12 1,3-Dichlorobenzene	146	4.237	4.233	0.002	94	226117	50.0	37.8	
* 13 1,4-Dichlorobenzene-d4	152	4.294	4.295	-0.001	96	160708	40.0	40.0	
14 1,4-Dichlorobenzene	146	4.310	4.310	-0.001	94	231625	50.0	38.7	
15 Benzyl alcohol	108	4.435	4.431	0.002	92	143043	50.0	38.5	
16 1,2-Dichlorobenzene	146	4.454	4.451	0.002	96	218963	50.0	38.1	
17 2-Methylphenol	108	4.534	4.534	-0.001	76	195403	50.0	39.2	
18 2,2'-oxybis[1-chloropropane]	45	4.550	4.550	0.002	95	312416	50.0	37.1	a
130 N-Methylaniline	106	4.678	4.678	-0.001	88	317497	50.0	37.0	a
21 N-Nitrosodi-n-propylamine	70	4.687	4.684	0.002	86	164568	50.0	39.2	
20 3 & 4 Methylphenol	108	4.687	4.687	-0.001	86	221346	50.0	38.9	
19 4-Methylphenol	108	4.687	4.687	-0.001	80	221346	50.0	38.9	
22 Acetophenone	105	4.691	4.690	-0.001	93	301775	50.0	38.8	
25 Hexachloroethane	117	4.771	4.767	0.003	96	88796	50.0	38.0	
$ 26 Nitrobenzene-d5	82	4.841	4.842	-0.001	89	237815	50.0	38.5	
28 n,n'-Dimethylaniline	120	4.847	4.843	0.002	98	299256	50.0	36.3	
27 Nitrobenzene	123	4.860	4.859	-0.001	96	102359	50.0	39.7	
29 Isophorone	82	5.080	5.079	-0.001	99	410584	50.0	38.7	
30 2-Nitrophenol	139	5.160	5.159	-0.001	92	113282	50.0	38.7	
31 2,4-Dimethylphenol	122	5.199	5.194	0.003	91	123737	50.0	31.9	
32 Bis(2-chloroethoxy)methane	93	5.294	5.293	-0.001	98	258874	50.0	39.6	
33 Benzoic acid	122	5.304	5.309	-0.007	89	134112	50.0	40.2	

DRAFT

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 2,4-Dichlorophenol	162	5.387	5.385	-0.001	96	171924	50.0	41.3	
35 1,2,4-Trichlorobenzene	180	5.461	5.459	-0.001	94	180154	50.0	39.1	
* 36 Naphthalene-d8	136	5.518	5.519	-0.001	99	595168	40.0	40.0	
37 Naphthalene	128	5.537	5.536	-0.001	99	594151	50.0	39.4	
131 2,6-Dichlorophenol	162	5.601	5.599	-0.001	97	167409	50.0	41.1	
38 4-Chloroaniline	127	5.604	5.603	-0.002	97	213887	50.0	33.0	
39 Hexachlorobutadiene	225	5.636	5.635	-0.002	96	96551	50.0	38.6	
40 Caprolactam	113	5.943	5.944	-0.004	90	27522	20.0	16.4	
41 4-Chloro-3-methylphenol	107	6.071	6.066	0.002	97	180035	50.0	40.7	
42 2-Methylnaphthalene	142	6.202	6.196	0.002	84	395295	50.0	39.7	
43 1-Methylnaphthalene	142	6.294	6.289	0.002	93	362019	50.0	39.7	
44 Hexachlorocyclopentadiene	237	6.330	6.332	-0.001	97	59887	50.0	25.5	
45 1,2,4,5-Tetrachlorobenzene	216	6.355	6.354	0.002	97	178180	50.0	40.6	
46 2-tertbutyl-4-methylphenol	149	6.390	6.388	-0.002	90	230415	50.0	38.8	
48 2,4,6-Trichlorophenol	196	6.474	6.476	-0.001	89	120232	50.0	41.4	
49 2,4,5-Trichlorophenol	196	6.509	6.511	-0.001	97	134171	50.0	42.6	
$ 50 2-Fluorobiphenyl	172	6.554	6.551	0.003	97	425027	50.0	39.5	
51 1,1'-Biphenyl	154	6.649	6.647	0.002	96	464955	50.0	40.6	
52 2-Chloronaphthalene	162	6.669	6.667	0.002	97	363448	50.0	40.3	
53 Phenyl ether	170	6.748	6.751	-0.002	88	229563	50.0	37.3	
54 2-Nitroaniline	65	6.784	6.786	-0.001	98	121511	50.0	39.6	
55 1,3-Dimethylnaphthalene	156	6.870	6.872	-0.001	90	275891	50.0	38.0	
58 Dimethyl phthalate	163	6.950	6.952	-0.001	98	417406	50.0	41.1	
59 Coumarin	146	6.982	6.979	-0.001	80	139949	50.0	37.1	
60 2,6-Dinitrotoluene	165	7.017	7.019	-0.001	95	94191	50.0	41.9	
61 Acenaphthylene	152	7.062	7.061	0.002	97	540253	50.0	39.6	
62 3-Nitroaniline	138	7.180	7.182	-0.001	95	103750	50.0	37.1	
* 63 Acenaphthene-d10	164	7.193	7.191	0.002	97	300260	40.0	40.0	
64 3,5-di-tert-butyl-4-hydroxytol	205	7.199	7.201	-0.001	98	261718	50.0	41.8	
65 Acenaphthene	154	7.225	7.223	0.002	97	328475	50.0	39.8	
66 2,4-Dinitrophenol	184	7.286	7.285	0.002	95	101196	100.0	70.2	
67 4-Nitrophenol	65	7.346	7.349	-0.002	94	141753	100.0	72.4	
69 Dibenzofuran	168	7.391	7.390	0.002	97	507609	50.0	41.1	
68 2,4-Dinitrotoluene	165	7.404	7.403	0.002	95	125810	50.0	41.9	
70 2,3,4,6-Tetrachlorophenol	232	7.506	7.508	-0.001	93	101649	50.0	40.0	
72 n-Octadecane	57	7.615	7.611	0.002	93	276536	50.0	40.7	
71 Diethyl phthalate	149	7.621	7.620	0.002	98	412747	50.0	39.8	
74 Fluorene	166	7.717	7.716	0.002	95	400286	50.0	40.5	
73 4-Chlorophenyl phenyl ether	204	7.720	7.719	0.002	86	185822	50.0	41.6	
75 4-Nitroaniline	138	7.768	7.771	-0.002	92	94016	50.0	35.4	
76 4,6-Dinitro-2-methylphenol	198	7.788	7.784	0.002	86	155072	100.0	91.0	
77 N-Nitrosodiphenylamine	169	7.839	7.838	-0.001	98	287550	50.0	41.9	
78 1,2-Diphenylhydrazine	77	7.871	7.872	-0.001	98	444370	50.0	41.4	
132 Azobenzene	77	7.871	7.872	-0.001	97	444370	50.0	41.4	
$ 79 2,4,6-Tribromophenol	330	7.947	7.949	-0.002	93	88622	50.0	40.2	
80 4-Bromophenyl phenyl ether	248	8.184	8.183	-0.001	91	117100	50.0	42.4	
81 Hexachlorobenzene	284	8.222	8.222	-0.002	96	151942	50.0	43.2	
82 Atrazine	200	8.353	8.350	0.002	90	53185	20.0	20.7	
84 Pentachloronitrobenzene	237	8.427	8.423	0.002	87	51838	50.0	41.2	
83 Pentachlorophenol	266	8.423	8.423	-0.002	95	183286	100.0	86.3	
* 85 Phenanthrene-d10	188	8.609	8.610	-0.001	99	529457	40.0	40.0	
86 Phenanthrene	178	8.631	8.631	-0.002	98	565674	50.0	41.8	

DRAFT

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
87 Anthracene	178	8.683	8.679	0.002	97	573485	50.0	41.5	
88 Carbazole	167	8.849	8.845	0.002	96	529246	50.0	40.5	
89 Di-n-butyl phthalate	149	9.171	9.171	-0.002	99	676387	50.0	41.4	
90 Fluoranthene	202	9.762	9.762	-0.002	96	595656	50.0	41.2	
91 Benzidine	184	9.915	9.909	0.001	100	234389	50.0	30.3	
92 Pyrene	202	9.979	9.977	-0.002	96	608852	50.0	41.4	
93 Bisphenol-A	213	10.043	10.042	0.001	98	127860	25.0	19.5	
$ 94 Terphenyl-d14	244	10.133	10.135	-0.002	97	498524	50.0	41.1	
95 Butyl benzyl phthalate	149	10.644	10.638	0.001	97	279630	50.0	40.7	
97 Carbamazepine	193	10.759	10.756	-0.002	93	237931	50.0	43.6	
98 3,3'-Dichlorobenzidine	252	11.238	11.235	-0.002	99	179617	50.0	32.9	
99 Benzo[a]anthracene	228	11.251	11.250	0.001	100	564164	50.0	41.1	
* 100 Chrysene-d12	240	11.260	11.262	-0.002	99	408561	40.0	40.0	
101 Chrysene	228	11.292	11.291	0.001	98	532985	50.0	42.3	
102 Bis(2-ethylhexyl) phthalate	149	11.296	11.290	0.002	86	411434	50.0	42.6	
103 Di-n-octyl phthalate	149	12.152	12.150	-0.002	96	748645	50.0	41.4	
104 Benzo[b]fluoranthene	252	12.647	12.642	0.001	97	621642	50.0	42.7	
105 Benzo[k]fluoranthene	252	12.685	12.684	-0.002	98	643891	50.0	43.3	
106 Benzo[a]pyrene	252	13.110	13.109	0.001	95	593224	50.0	43.1	
* 107 Perylene-d12	264	13.190	13.192	-0.002	97	531241	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.796	14.795	-0.003	98	742982	50.0	49.1	
109 Dibenz(a,h)anthracene	278	14.838	14.837	-0.003	97	733386	50.0	50.0	
110 Benzo[g,h,i]perylene	276	15.247	15.246	-0.003	97	689207	50.0	49.2	

QC Flag Legend

Processing Flags

E - Exceeded Maximum Amount

Review Flags

a - User Assigned ID

Reagents:

SM_ISTD_00197 Amount Added: 20.00 Units: uL Run Reagent

DRAFT

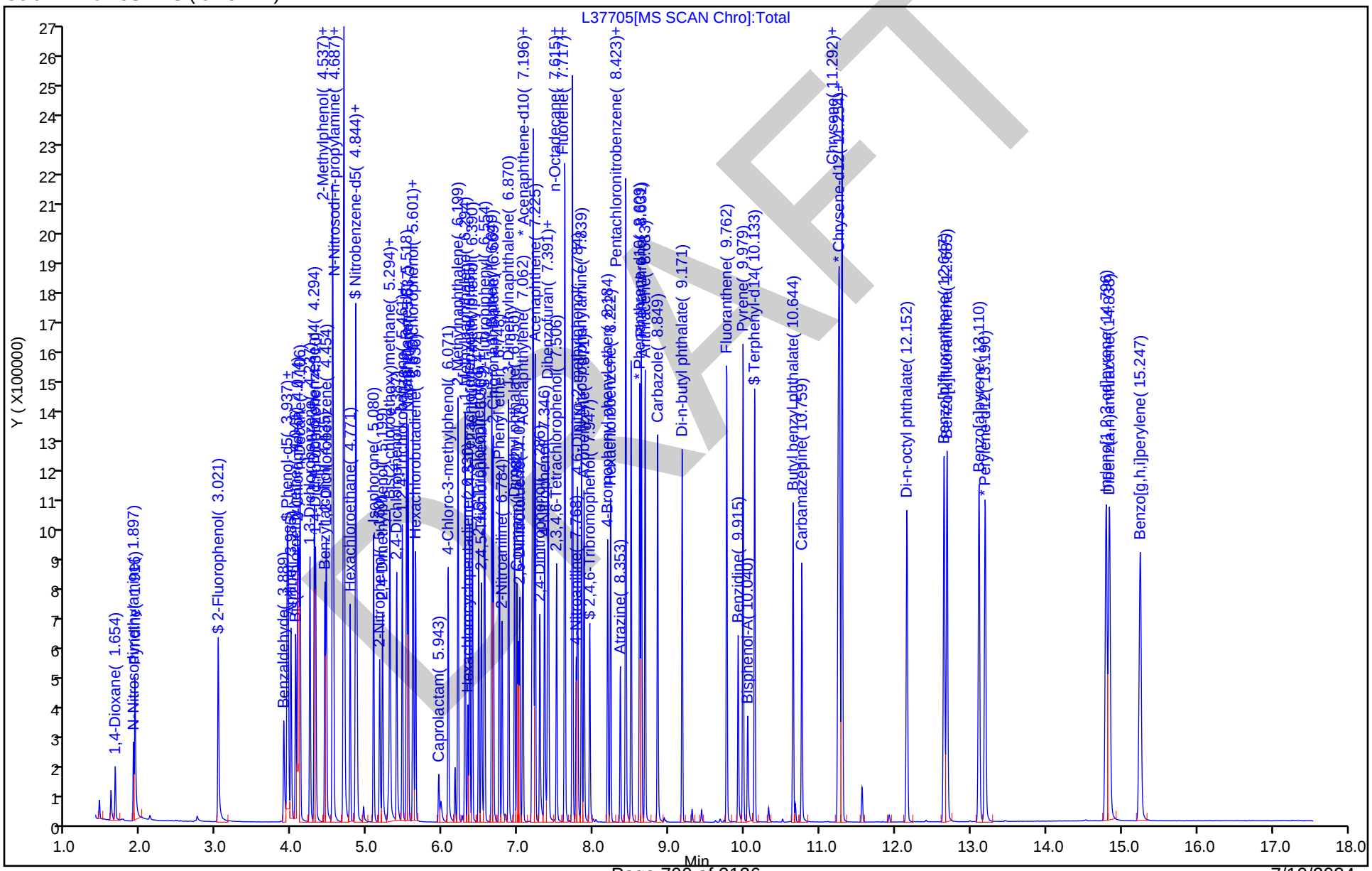
Report Date: 08-Jul-2024 13:13:42 Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37705.d

Injection Date:	07-Jul-2024 15:32:30	Instrument ID:	CBNAMS12	Operator ID:	
Lims ID:	LCSD 460-983903/3-A			Worklist Smp#:	6
Client ID:					
Injection Vol:	1.0 ul	Dil. Factor:	1.0000	ALS Bottle#:	6
Method:	8270_12R_9	Limit Group:	SV 8270E ICAL		

Column: Rtxi-5Sil MS (0.25 mm)



DRAFT

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37705.d
Lims ID: LCSD 460-983903/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 07-Jul-2024 15:32:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0178055-006
Operator ID: Instrument ID: CBNAMS12

Method: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\8270_12R_9.m
Limit Group: SV 8270E ICAL
Last Update: 08-Jul-2024 13:13:41 Calib Date: 24-Jun-2024 11:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37512.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: C8UP Date: 08-Jul-2024 13:13:41

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 2-Fluorophenol	50.0	39.2	78.41
$ 6 Phenol-d5	50.0	39.2	78.47
$ 26 Nitrobenzene-d5	50.0	38.5	77.04
$ 50 2-Fluorobiphenyl	50.0	39.5	78.98
$ 79 2,4,6-Tribromophenol	50.0	40.2	80.37
$ 94 Terphenyl-d14	50.0	41.1	82.13

DRAFT

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-307050-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-307009-B-6-G MS

Matrix: Solid | Lab File ID: L37707.d

Analysis Method: 8270E | Date Collected:

Extract. Method: 3546 | Date Extracted: 07/06/2024 10:42

Sample wt/vol: 15.00(g) | Date Analyzed: 07/07/2024 16:18

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: 60.2 % Solids: 39.8 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 983942 | Units: mg/Kg

Preparation Batch No.: 983903 | Instrument ID: CBNAMS12

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	3.14		0.083	0.073
95-48-7	2-Methylphenol	4.63		0.83	0.031
15831-10-4	3 & 4 Methylphenol	4.68		0.83	0.052
83-32-9	Acenaphthene	4.77		0.83	0.024
208-96-8	Acenaphthylene	4.68		0.83	0.024
120-12-7	Anthracene	4.83		0.83	0.025
56-55-3	Benzo[a]anthracene	4.78		0.083	0.063
50-32-8	Benzo[a]pyrene	4.95		0.083	0.022
205-99-2	Benzo[b]fluoranthene	5.01		0.083	0.022
191-24-2	Benzo[g,h,i]perylene	5.49		0.83	0.025
207-08-9	Benzo[k]fluoranthene	5.07		0.083	0.016
218-01-9	Chrysene	4.97		0.83	0.035
53-70-3	Dibenz(a,h)anthracene	5.47		0.083	0.036
132-64-9	Dibenzofuran	4.86		0.83	0.028
206-44-0	Fluoranthene	4.66		0.83	0.029
86-73-7	Fluorene	4.71		0.83	0.024
118-74-1	Hexachlorobenzene	5.10		0.083	0.039
193-39-5	Indeno[1,2,3-cd]pyrene	5.37		0.083	0.032
91-20-3	Naphthalene	4.80		0.83	0.014
87-86-5	Pentachlorophenol	9.34		0.67	0.17
85-01-8	Phenanthrene	4.89		0.83	0.034
108-95-2	Phenol	4.62		0.83	0.031
129-00-0	Pyrene	5.29		0.83	0.021

DRAFT

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-307050-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-307009-B-6-G MS

Matrix: Solid | Lab File ID: L37707.d

Analysis Method: 8270E | Date Collected:

Extract. Method: 3546 | Date Extracted: 07/06/2024 10:42

Sample wt/vol: 15.00(g) | Date Analyzed: 07/07/2024 16:18

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: 60.2 % Solids: 39.8 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 983942 | Units: mg/Kg

Preparation Batch No.: 983903 | Instrument ID: CBNAMS12

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	56		24-137
321-60-8	2-Fluorobiphenyl	58		38-128
367-12-4	2-Fluorophenol (Surr)	61		31-133
4165-60-0	Nitrobenzene-d5 (Surr)	59		31-120
4165-62-2	Phenol-d5 (Surr)	60		35-132
1718-51-0	Terphenyl-d14 (Surr)	65		44-147

DRAFT

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37707.d
Lims ID: 460-307009-B-6-G MS
Client ID: #20241044 COMPOSITE 39W-P-2-23
Sample Type: MS
Inject. Date: 07-Jul-2024 16:18:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0178055-008
Operator ID: Instrument ID: CBNAMS12

Method: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\8270_12R_9.m
Limit Group: SV 8270E ICAL
Last Update: 08-Jul-2024 13:16:29 Calib Date: 24-Jun-2024 11:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37512.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: C8UP Date: 08-Jul-2024 13:16:54

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.677	1.645	0.032	95	49619	50.0	18.8	
2 N-Nitrosodimethylamine	74	1.923	1.890	0.032	92	110383	50.0	25.7	
3 Pyridine	79	1.942	1.906	0.035	92	176169	100.0	28.0	
$ 4 2-Fluorophenol	112	3.027	3.015	0.012	95	199651	50.0	30.6	
5 Benzaldehyde	77	3.889	3.893	-0.004	97	78947	20.0	13.8	
$ 6 Phenol-d5	99	3.940	3.934	0.006	0	263961	50.0	30.1	
7 Phenol	94	3.953	3.946	0.006	98	240982	50.0	27.6	
8 Aniline	93	3.988	3.981	0.006	99	217471	50.0	21.6	
9 Bis(2-chloroethyl)ether	93	4.046	4.045	0.000	93	184198	50.0	29.7	
10 2-Chlorophenol	128	4.090	4.086	0.002	97	194402	50.0	28.7	
11 n-Decane	43	4.103	4.104	-0.001	92	175216	50.0	23.3	
12 1,3-Dichlorobenzene	146	4.234	4.233	-0.001	95	197307	50.0	28.1	
* 13 1,4-Dichlorobenzene-d4	152	4.295	4.295	0.000	97	188278	40.0	40.0	
14 1,4-Dichlorobenzene	146	4.311	4.310	0.000	94	199531	50.0	28.4	
15 Benzyl alcohol	108	4.439	4.432	0.006	93	122050	50.0	28.1	
16 1,2-Dichlorobenzene	146	4.451	4.451	-0.001	95	190921	50.0	28.3	
17 2-Methylphenol	108	4.538	4.534	0.003	86	161644	50.0	27.6	
18 2,2'-oxybis[1-chloropropane]	45	4.547	4.547	-0.001	94	270537	50.0	27.4	
130 N-Methylaniline	106	4.678	4.678	-0.001	89	268156	50.0	26.7	a
21 N-Nitrosodi-n-propylamine	70	4.685	4.684	0.000	81	141332	50.0	28.7	
20 3 & 4 Methylphenol	108	4.688	4.687	0.000	87	186203	50.0	27.9	
19 4-Methylphenol	108	4.688	4.687	0.000	83	186203	50.0	27.9	
22 Acetophenone	105	4.691	4.690	-0.001	93	260009	50.0	28.5	
25 Hexachloroethane	117	4.768	4.767	0.000	95	77487	50.0	28.3	
$ 26 Nitrobenzene-d5	82	4.841	4.842	-0.001	89	213145	50.0	29.3	
28 n,n'-Dimethylaniline	120	4.845	4.844	-0.001	98	261765	50.0	27.1	
27 Nitrobenzene	123	4.861	4.859	0.000	96	86451	50.0	28.6	
29 Isophorone	82	5.081	5.079	0.000	100	342875	50.0	27.4	
30 2-Nitrophenol	139	5.161	5.159	0.000	92	92581	50.0	26.8	
31 2,4-Dimethylphenol	122	5.199	5.194	0.003	91	102662	50.0	22.4	
32 Bis(2-chloroethoxy)methane	93	5.295	5.293	0.000	98	217246	50.0	28.2	
33 Benzoic acid	122	5.298	5.309	-0.013	88	105614	50.0	26.8	

DRAFT

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 2,4-Dichlorophenol	162	5.388	5.385	0.000	96	143929	50.0	29.3	
35 1,2,4-Trichlorobenzene	180	5.461	5.459	-0.001	94	154464	50.0	28.4	
* 36 Naphthalene-d8	136	5.519	5.519	0.000	99	702190	40.0	40.0	
37 Naphthalene	128	5.538	5.536	0.000	99	509906	50.0	28.6	
47 Benzidine_T	184	5.461	5.552	-0.092	60	48195		NC	
131 2,6-Dichlorophenol	162	5.602	5.600	0.000	95	138858	50.0	28.9	
38 4-Chloroaniline	127	5.605	5.603	-0.001	96	182189	50.0	23.8	
39 Hexachlorobutadiene	225	5.637	5.635	-0.001	96	86170	50.0	29.2	
40 Caprolactam	113	5.944	5.944	-0.003	91	21740	20.0	11.2	
41 4-Chloro-3-methylphenol	107	6.071	6.066	0.002	96	146368	50.0	28.0	
42 2-Methylnaphthalene	142	6.199	6.197	-0.001	84	325890	50.0	27.7	
43 1-Methylnaphthalene	142	6.292	6.289	0.000	93	301269	50.0	28.0	
44 Hexachlorocyclopentadiene	237	6.330	6.332	-0.001	97	40147	50.0	14.6	
56 1-Naphthylamine	143	6.292	6.345	-0.052	50	34717		NC	
45 1,2,4,5-Tetrachlorobenzene	216	6.356	6.354	0.003	97	148437	50.0	28.9	
46 2-tertbutyl-4-methylphenol	149	6.391	6.388	-0.001	90	191731	50.0	27.4	
48 2,4,6-Trichlorophenol	196	6.474	6.476	-0.001	89	98938	50.0	29.1	
49 2,4,5-Trichlorophenol	196	6.509	6.511	-0.001	97	108122	50.0	29.4	
$ 50 2-Fluorobiphenyl	172	6.551	6.551	0.000	97	367428	50.0	29.2	
51 1,1'-Biphenyl	154	6.647	6.647	0.000	96	384424	50.0	28.7	
52 2-Chloronaphthalene	162	6.666	6.668	-0.001	97	306214	50.0	29.0	
57 2-Naphthylamine	143	6.749	6.739	0.010	45	6455		NC	
53 Phenyl ether	170	6.749	6.751	-0.001	88	190796	50.0	26.5	
54 2-Nitroaniline	65	6.784	6.786	-0.001	98	97780	50.0	27.3	
55 1,3-Dimethylnaphthalene	156	6.870	6.872	-0.001	91	228207	50.0	26.9	
58 Dimethyl phthalate	163	6.950	6.952	-0.001	98	339469	50.0	28.6	
59 Coumarin	146	6.982	6.980	-0.001	80	111875	50.0	25.2	
60 2,6-Dinitrotoluene	165	7.018	7.019	0.000	94	76459	50.0	29.1	
61 Acenaphthylene	152	7.059	7.061	-0.001	97	446015	50.0	27.9	
62 3-Nitroaniline	138	7.180	7.180	-0.001	94	83254	50.0	25.4	a
* 63 Acenaphthene-d10	164	7.193	7.191	0.002	97	351108	40.0	40.0	
64 3,5-di-tert-butyl-4-hydroxytol	205	7.200	7.202	0.000	98	216722	50.0	29.6	
65 Acenaphthene	154	7.222	7.223	-0.001	97	275096	50.0	28.5	
66 2,4-Dinitrophenol	184	7.286	7.285	0.002	94	71718	100.0	43.7	
67 4-Nitrophenol	65	7.347	7.349	-0.001	93	105759	100.0	46.2	
69 Dibenzofuran	168	7.392	7.390	0.003	98	418342	50.0	29.0	
68 2,4-Dinitrotoluene	165	7.401	7.403	-0.001	95	99190	50.0	28.2	
70 2,3,4,6-Tetrachlorophenol	232	7.507	7.509	0.000	94	81725	50.0	27.5	
72 n-Octadecane	57	7.612	7.611	-0.001	93	235047	50.0	30.4	
71 Diethyl phthalate	149	7.619	7.621	0.000	98	333988	50.0	27.5	
74 Fluorene	166	7.714	7.716	-0.001	96	325218	50.0	28.1	
73 4-Chlorophenyl phenyl ether	204	7.718	7.720	0.000	90	149707	50.0	28.6	
75 4-Nitroaniline	138	7.766	7.771	-0.004	92	73272	50.0	23.6	
76 4,6-Dinitro-2-methylphenol	198	7.785	7.784	-0.001	85	109962	100.0	56.8	
77 N-Nitrosodiphenylamine	169	7.839	7.839	-0.001	98	232168	50.0	29.8	
78 1,2-Diphenylhydrazine	77	7.871	7.872	-0.001	97	364207	50.0	29.9	
132 Azobenzene	77	7.871	7.872	-0.001	97	364207	50.0	29.8	
$ 79 2,4,6-Tribromophenol	330	7.948	7.949	-0.001	93	72251	50.0	28.0	
80 4-Bromophenyl phenyl ether	248	8.184	8.184	-0.001	90	94549	50.0	30.1	
81 Hexachlorobenzene	284	8.223	8.222	-0.001	96	121568	50.0	30.4	
82 Atrazine	200	8.351	8.350	0.000	90	40702	20.0	13.9	
84 Pentachloronitrobenzene	237	8.424	8.424	-0.001	87	40698	50.0	28.5	

DRAFT

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
83 Pentachlorophenol	266	8.424	8.424	-0.001	94	134507	100.0	55.7	
* 85 Phenanthrene-d10	188	8.610	8.610	0.000	99	601798	40.0	40.0	
86 Phenanthrene	178	8.632	8.631	-0.001	98	448178	50.0	29.2	
87 Anthracene	178	8.680	8.679	-0.001	97	452501	50.0	28.8	
88 Carbazole	167	8.846	8.846	-0.001	96	411840	50.0	27.7	
89 Di-n-butyl phthalate	149	9.172	9.171	-0.001	99	529597	50.0	28.5	
90 Fluoranthene	202	9.763	9.762	-0.001	96	456920	50.0	27.8	
91 Benzidine	184	9.916	9.910	0.002	99	110732	50.0	12.6	
92 Pyrene	202	9.980	9.977	-0.001	96	463305	50.0	31.6	
93 Bisphenol-A	213	10.041	10.042	-0.001	98	74754	25.0	11.4	
$ 94 Terphenyl-d14	244	10.134	10.135	-0.001	97	390734	50.0	32.3	
95 Butyl benzyl phthalate	149	10.641	10.639	-0.002	97	196959	50.0	28.7	
97 Carbamazepine	193	10.756	10.757	-0.005	93	133275	50.0	24.5	
98 3,3'-Dichlorobenzidine	252	11.239	11.236	-0.001	99	127388	50.0	23.4	
99 Benzo[a]anthracene	228	11.248	11.250	-0.002	100	390752	50.0	28.6	
* 100 Chrysene-d12	240	11.261	11.262	-0.001	98	407359	40.0	40.0	
101 Chrysene	228	11.290	11.291	-0.001	98	372834	50.0	29.7	
102 Bis(2-ethylhexyl) phthalate	149	11.293	11.290	-0.001	86	268368	50.0	27.9	
103 Di-n-octyl phthalate	149	12.152	12.152	-0.002	96	443415	50.0	27.8	
104 Benzo[b]fluoranthene	252	12.644	12.643	-0.002	99	385139	50.0	29.9	
105 Benzo[k]fluoranthene	252	12.683	12.685	-0.004	99	397821	50.0	30.3	
106 Benzo[a]pyrene	252	13.107	13.109	-0.002	96	358954	50.0	29.5	
* 107 Perylene-d12	264	13.191	13.192	-0.002	98	469568	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.794	14.796	-0.005	98	429036	50.0	32.1	
109 Dibenz(a,h)anthracene	278	14.836	14.838	-0.005	97	423310	50.0	32.6	
110 Benzo[g,h,i]perylene	276	15.241	15.247	-0.009	97	405747	50.0	32.8	
S 117 Total Cresols	1				0			55.6	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SM_ISTD_00197 Amount Added: 20.00 Units: uL Run Reagent

DRAFT

Report Date: 08-Jul-2024 13:16:55 Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37707.d

Injection Date: 07-Jul-2024 16:18:30 Instrument ID: CBNAMS12 Operator ID:

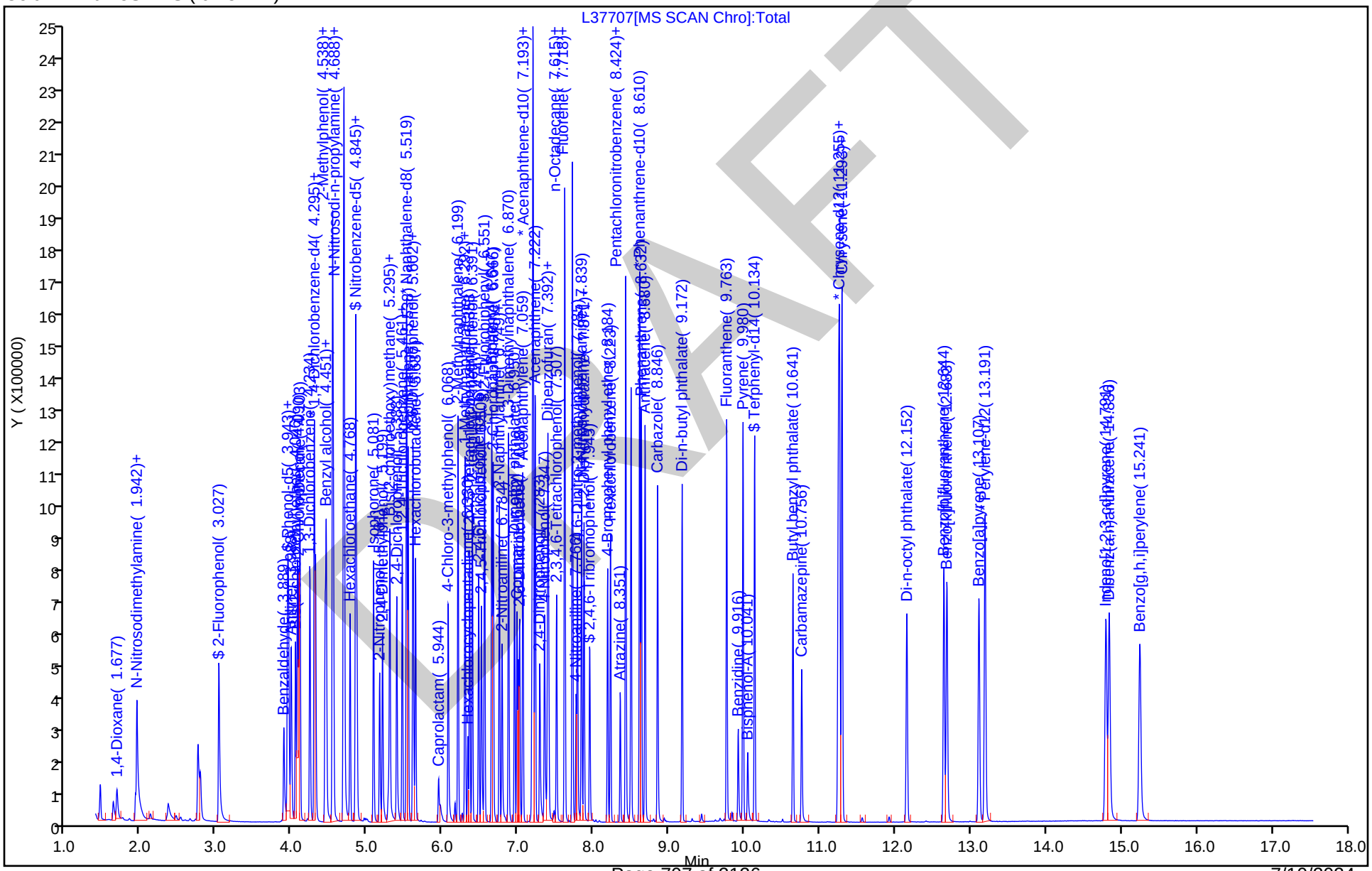
Lims ID: 460-307009-B-6-G MS Worklist Smp#: 8

Client ID: #20241044 COMPOSITE 39W-P-2-23

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 8

Method: 8270_12R_9 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



DRAFT

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37707.d
Lims ID: 460-307009-B-6-G MS
Client ID: #20241044 COMPOSITE 39W-P-2-23
Sample Type: MS
Inject. Date: 07-Jul-2024 16:18:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0178055-008
Operator ID: Instrument ID: CBNAMS12

Method: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\8270_12R_9.m
Limit Group: SV 8270E ICAL
Last Update: 08-Jul-2024 13:16:29 Calib Date: 24-Jun-2024 11:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37512.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: C8UP Date: 08-Jul-2024 13:16:54

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 2-Fluorophenol	50.0	30.6	61.30
$ 6 Phenol-d5	50.0	30.1	60.22
$ 26 Nitrobenzene-d5	50.0	29.3	58.52
$ 50 2-Fluorobiphenyl	50.0	29.2	58.39
$ 79 2,4,6-Tribromophenol	50.0	28.0	56.03
$ 94 Terphenyl-d14	50.0	32.3	64.56

DRAFT

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-307050-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-307009-B-6-H MSD

Matrix: Solid | Lab File ID: L37708.d

Analysis Method: 8270E | Date Collected:

Extract. Method: 3546 | Date Extracted: 07/06/2024 10:42

Sample wt/vol: 15.00(g) | Date Analyzed: 07/07/2024 16:40

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: 60.2 % Solids: 39.8 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 983942 | Units: mg/Kg

Preparation Batch No.: 983903 | Instrument ID: CBNAMS12

CAS NO.	COMPOUND NAME	RESULT	Q	RL	MDL
123-91-1	1,4-Dioxane	2.71		0.083	0.073
95-48-7	2-Methylphenol	5.31		0.83	0.031
15831-10-4	3 & 4 Methylphenol	5.35		0.83	0.052
83-32-9	Acenaphthene	5.61		0.83	0.024
208-96-8	Acenaphthylene	5.54		0.83	0.024
120-12-7	Anthracene	5.96		0.83	0.025
56-55-3	Benzo[a]anthracene	5.90		0.083	0.063
50-32-8	Benzo[a]pyrene	6.19		0.083	0.022
205-99-2	Benzo[b]fluoranthene	6.18		0.083	0.022
191-24-2	Benzo[g,h,i]perylene	7.21		0.83	0.025
207-08-9	Benzo[k]fluoranthene	6.21		0.083	0.016
218-01-9	Chrysene	6.20		0.83	0.035
53-70-3	Dibenz(a,h)anthracene	7.25		0.083	0.036
132-64-9	Dibenzofuran	5.87		0.83	0.028
206-44-0	Fluoranthene	5.87		0.83	0.029
86-73-7	Fluorene	5.74		0.83	0.024
118-74-1	Hexachlorobenzene	6.15		0.083	0.039
193-39-5	Indeno[1,2,3-cd]pyrene	7.06		0.083	0.032
91-20-3	Naphthalene	5.17		0.83	0.014
87-86-5	Pentachlorophenol	12.0		0.67	0.17
85-01-8	Phenanthrene	5.91		0.83	0.034
108-95-2	Phenol	5.15		0.83	0.031
129-00-0	Pyrene	6.24		0.83	0.021

DRAFT

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Edison | Job No.: 460-307050-1

SDG No.:

Client Sample ID: | Lab Sample ID: 460-307009-B-6-H MSD

Matrix: Solid | Lab File ID: L37708.d

Analysis Method: 8270E | Date Collected:

Extract. Method: 3546 | Date Extracted: 07/06/2024 10:42

Sample wt/vol: 15.00(g) | Date Analyzed: 07/07/2024 16:40

Con. Extract Vol.: 1(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | GC Column: Rtxi-5Sil MS ID: 0.25(mm)

% Moisture: 60.2 % Solids: 39.8 | GPC Cleanup:(Y/N) N

Cleanup Factor: | Level: (low/med) Low

Analysis Batch No.: 983942 | Units: mg/Kg

Preparation Batch No.: 983903 | Instrument ID: CBNAMS12

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	68		24-137
321-60-8	2-Fluorobiphenyl	65		38-128
367-12-4	2-Fluorophenol (Surr)	60		31-133
4165-60-0	Nitrobenzene-d5 (Surr)	60		31-120
4165-62-2	Phenol-d5 (Surr)	63		35-132
1718-51-0	Terphenyl-d14 (Surr)	75		44-147

DRAFT

Eurofins Edison
Target Compound Quantitation Report

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37708.d
Lims ID: 460-307009-B-6-H MSD
Client ID: #20241044 COMPOSITE 39W-P-2-23
Sample Type: MSD
Inject. Date: 07-Jul-2024 16:40:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0178055-009
Operator ID: Instrument ID: CBNAMS12

Method: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\8270_12R_9.m
Limit Group: SV 8270E ICAL
Last Update: 08-Jul-2024 13:18:26 Calib Date: 24-Jun-2024 11:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37512.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: C8UP Date: 08-Jul-2024 13:18:53

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
1 1,4-Dioxane	88	1.661	1.645	0.016	95	38067	50.0	16.2	
2 N-Nitrosodimethylamine	74	1.903	1.890	0.012	93	94685	50.0	24.8	
3 Pyridine	79	1.926	1.906	0.019	92	133449	100.0	23.9	
$ 4 2-Fluorophenol	112	3.024	3.015	0.009	95	173817	50.0	30.0	
5 Benzaldehyde	77	3.889	3.893	-0.004	97	73651	20.0	14.5	
$ 6 Phenol-d5	99	3.933	3.934	-0.001	0	246350	50.0	31.6	
7 Phenol	94	3.946	3.946	-0.001	98	238693	50.0	30.7	
8 Aniline	93	3.985	3.981	0.003	100	199961	50.0	22.4	
9 Bis(2-chloroethyl)ether	93	4.045	4.045	-0.001	93	165949	50.0	30.1	
10 2-Chlorophenol	128	4.087	4.086	-0.001	96	186841	50.0	31.1	
11 n-Decane	43	4.106	4.104	0.002	92	154623	50.0	23.1	
12 1,3-Dichlorobenzene	146	4.237	4.233	0.002	95	172259	50.0	27.6	
* 13 1,4-Dichlorobenzene-d4	152	4.295	4.295	0.000	96	167390	40.0	40.0	
14 1,4-Dichlorobenzene	146	4.310	4.310	-0.001	94	175922	50.0	28.2	
15 Benzyl alcohol	108	4.435	4.432	0.002	92	119524	50.0	30.9	
16 1,2-Dichlorobenzene	146	4.451	4.451	-0.001	96	168579	50.0	28.1	
17 2-Methylphenol	108	4.534	4.534	-0.001	83	164654	50.0	31.7	
18 2,2'-oxybis[1-chloropropane]	45	4.547	4.547	-0.001	94	249410	50.0	28.4	a
130 N-Methylaniline	106	4.678	4.678	-0.001	88	252373	50.0	28.2	a
21 N-Nitrosodi-n-propylamine	70	4.684	4.684	-0.001	76	136434	50.0	31.2	
20 3 & 4 Methylphenol	108	4.687	4.687	-0.001	86	189268	50.0	31.9	
19 4-Methylphenol	108	4.687	4.687	-0.001	80	189268	50.0	31.9	
22 Acetophenone	105	4.691	4.690	-0.001	93	245786	50.0	30.3	
25 Hexachloroethane	117	4.767	4.767	-0.001	96	67280	50.0	27.7	
$ 26 Nitrobenzene-d5	82	4.841	4.842	-0.001	89	192219	50.0	29.9	
28 n,n'-Dimethylaniline	120	4.844	4.844	-0.001	98	241311	50.0	28.1	
27 Nitrobenzene	123	4.860	4.859	-0.001	95	83458	50.0	31.1	
29 Isophorone	82	5.080	5.079	-0.001	99	345764	50.0	31.2	
30 2-Nitrophenol	139	5.160	5.159	-0.001	92	93618	50.0	30.7	
31 2,4-Dimethylphenol	122	5.199	5.194	0.003	91	105738	50.0	26.1	
32 Bis(2-chloroethoxy)methane	93	5.294	5.293	-0.001	98	219721	50.0	32.3	
33 Benzoic acid	122	5.301	5.309	-0.010	88	117937	50.0	33.9	

DRAFT

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
34 2,4-Dichlorophenol	162	5.387	5.385	-0.001	95	150699	50.0	34.7	
35 1,2,4-Trichlorobenzene	180	5.461	5.459	-0.001	94	143528	50.0	29.9	
* 36 Naphthalene-d8	136	5.518	5.519	-0.001	99	620359	40.0	40.0	
37 Naphthalene	128	5.537	5.536	-0.001	99	485529	50.0	30.9	
47 Benzidine_T	184	5.461	5.552	-0.092	60	42193		NC	
131 2,6-Dichlorophenol	162	5.601	5.600	-0.001	94	144586	50.0	34.1	
38 4-Chloroaniline	127	5.604	5.603	-0.002	96	195681	50.0	28.9	
39 Hexachlorobutadiene	225	5.636	5.635	-0.002	96	77184	50.0	29.6	
40 Caprolactam	113	5.943	5.944	-0.004	90	25444	20.0	14.6	
41 4-Chloro-3-methylphenol	107	6.071	6.066	0.002	97	158572	50.0	34.4	
42 2-Methylnaphthalene	142	6.202	6.197	0.002	84	331829	50.0	31.9	
43 1-Methylnaphthalene	142	6.294	6.289	0.002	92	304342	50.0	32.0	
44 Hexachlorocyclopentadiene	237	6.330	6.332	-0.001	97	40402	50.0	16.5	
56 1-Naphthylamine	143	6.294	6.345	-0.050	49	34803		NC	
45 1,2,4,5-Tetrachlorobenzene	216	6.355	6.354	0.002	97	149937	50.0	32.8	
46 2-tertbutyl-4-methylphenol	149	6.390	6.388	-0.002	90	204431	50.0	33.0	
48 2,4,6-Trichlorophenol	196	6.474	6.476	-0.001	89	107017	50.0	35.4	
49 2,4,5-Trichlorophenol	196	6.509	6.511	-0.001	96	119178	50.0	36.3	
$ 50 2-Fluorobiphenyl	172	6.554	6.551	0.003	97	364491	50.0	32.5	
51 1,1'-Biphenyl	154	6.646	6.647	-0.001	97	400706	50.0	33.6	
52 2-Chloronaphthalene	162	6.669	6.668	0.002	98	313559	50.0	33.4	
57 2-Naphthylamine	143	6.748	6.739	0.009	45	6578		NC	
53 Phenyl ether	170	6.748	6.751	-0.002	88	198803	50.0	31.0	
54 2-Nitroaniline	65	6.784	6.786	-0.001	98	108526	50.0	34.0	
55 1,3-Dimethylnaphthalene	156	6.870	6.872	-0.001	91	239113	50.0	31.7	
58 Dimethyl phthalate	163	6.950	6.952	-0.001	98	369369	50.0	34.9	
59 Coumarin	146	6.982	6.980	-0.001	79	123017	50.0	31.3	
60 2,6-Dinitrotoluene	165	7.017	7.019	-0.001	94	82564	50.0	35.3	
61 Acenaphthylene	152	7.062	7.061	0.002	97	470134	50.0	33.1	
62 3-Nitroaniline	138	7.180	7.180	-0.001	94	95150	50.0	32.6	
* 63 Acenaphthene-d10	164	7.193	7.191	0.002	97	312576	40.0	40.0	
64 3,5-di-tert-butyl-4-hydroxytol	205	7.199	7.202	-0.001	98	230963	50.0	35.5	
65 Acenaphthene	154	7.222	7.223	-0.001	97	287701	50.0	33.5	
66 2,4-Dinitrophenol	184	7.286	7.285	0.002	95	92261	100.0	61.9	
67 4-Nitrophenol	65	7.346	7.349	-0.002	93	125463	100.0	61.6	
69 Dibenzofuran	168	7.391	7.390	0.002	99	449788	50.0	35.0	
68 2,4-Dinitrotoluene	165	7.401	7.403	-0.001	96	111712	50.0	35.7	
70 2,3,4,6-Tetrachlorophenol	232	7.506	7.509	-0.001	94	91252	50.0	34.5	
72 n-Octadecane	57	7.612	7.611	-0.001	93	242817	50.0	34.1	
71 Diethyl phthalate	149	7.618	7.621	-0.001	98	371159	50.0	34.4	
74 Fluorene	166	7.714	7.716	-0.001	94	352653	50.0	34.2	
73 4-Chlorophenyl phenyl ether	204	7.717	7.720	-0.001	86	162591	50.0	34.9	
75 4-Nitroaniline	138	7.765	7.771	-0.005	92	87010	50.0	31.4	
76 4,6-Dinitro-2-methylphenol	198	7.784	7.784	-0.002	85	130133	100.0	72.8	
77 N-Nitrosodiphenylamine	169	7.839	7.839	-0.001	98	257478	50.0	35.8	
78 1,2-Diphenylhydrazine	77	7.871	7.872	-0.001	97	397356	50.0	35.3	
132 Azobenzene	77	7.871	7.872	-0.001	97	397356	50.0	35.3	
$ 79 2,4,6-Tribromophenol	330	7.948	7.949	-0.001	93	78529	50.0	34.2	
80 4-Bromophenyl phenyl ether	248	8.184	8.184	-0.001	90	102723	50.0	35.5	
81 Hexachlorobenzene	284	8.222	8.222	-0.002	96	135304	50.0	36.7	
82 Atrazine	200	8.353	8.350	0.002	90	50252	20.0	18.7	
84 Pentachloronitrobenzene	237	8.427	8.424	0.002	88	45799	50.0	34.7	

DRAFT

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/ml	OnCol Amt ug/ml	Flags
83 Pentachlorophenol	266	8.424	8.424	-0.001	95	158850	100.0	71.4	
* 85 Phenanthrene-d10	188	8.609	8.610	-0.001	99	555115	40.0	40.0	
86 Phenanthrene	178	8.632	8.631	-0.001	98	499730	50.0	35.2	
87 Anthracene	178	8.680	8.679	-0.001	98	515061	50.0	35.6	
88 Carbazole	167	8.846	8.846	-0.001	96	472414	50.0	34.5	
89 Di-n-butyl phthalate	149	9.172	9.171	-0.001	99	613356	50.0	35.8	
90 Fluoranthene	202	9.763	9.762	-0.001	97	530774	50.0	35.0	
91 Benzidine	184	9.913	9.910	-0.001	99	151249	50.0	18.6	
92 Pyrene	202	9.980	9.977	-0.001	96	540387	50.0	37.2	
93 Bisphenol-A	213	10.041	10.042	-0.001	98	104795	25.0	16.2	
$ 94 Terphenyl-d14	244	10.134	10.135	-0.001	97	446945	50.0	37.3	
95 Butyl benzyl phthalate	149	10.642	10.639	-0.001	97	244944	50.0	36.1	
97 Carbamazepine	193	10.757	10.757	-0.004	93	189014	50.0	35.1	
98 3,3'-Dichlorobenzidine	252	11.240	11.236	0.000	99	164508	50.0	30.6	
99 Benzo[a]anthracene	228	11.249	11.250	-0.001	100	476881	50.0	35.2	
* 100 Chrysene-d12	240	11.259	11.262	-0.003	98	402934	40.0	40.0	
101 Chrysene	228	11.291	11.291	0.000	98	459738	50.0	37.0	
102 Bis(2-ethylhexyl) phthalate	149	11.294	11.290	0.000	86	343025	50.0	36.0	
103 Di-n-octyl phthalate	149	12.154	12.152	0.000	96	608324	50.0	35.4	
104 Benzo[b]fluoranthene	252	12.646	12.643	0.000	97	511950	50.0	36.9	
105 Benzo[k]fluoranthene	252	12.684	12.685	-0.003	98	525045	50.0	37.1	
106 Benzo[a]pyrene	252	13.109	13.109	0.000	96	483737	50.0	37.0	
* 107 Perylene-d12	264	13.189	13.192	-0.003	97	505736	40.0	40.0	
108 Indeno[1,2,3-cd]pyrene	276	14.796	14.796	-0.003	98	606862	50.0	42.1	
109 Dibenz(a,h)anthracene	278	14.838	14.838	-0.003	97	604162	50.0	43.3	
110 Benzo[g,h,i]perylene	276	15.247	15.247	-0.003	98	573858	50.0	43.0	
S 117 Total Cresols	1				0			63.6	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

SM_ISTD_00197 Amount Added: 20.00 Units: uL Run Reagent

DRAFT

Report Date: 08-Jul-2024 13:18:53 Chrom Revision: 2.3 26-Jun-2024 16:13:32

Eurofins Edison

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37708.d

Injection Date: 07-Jul-2024 16:40:30 Instrument ID: CBNAMS12 Operator ID:

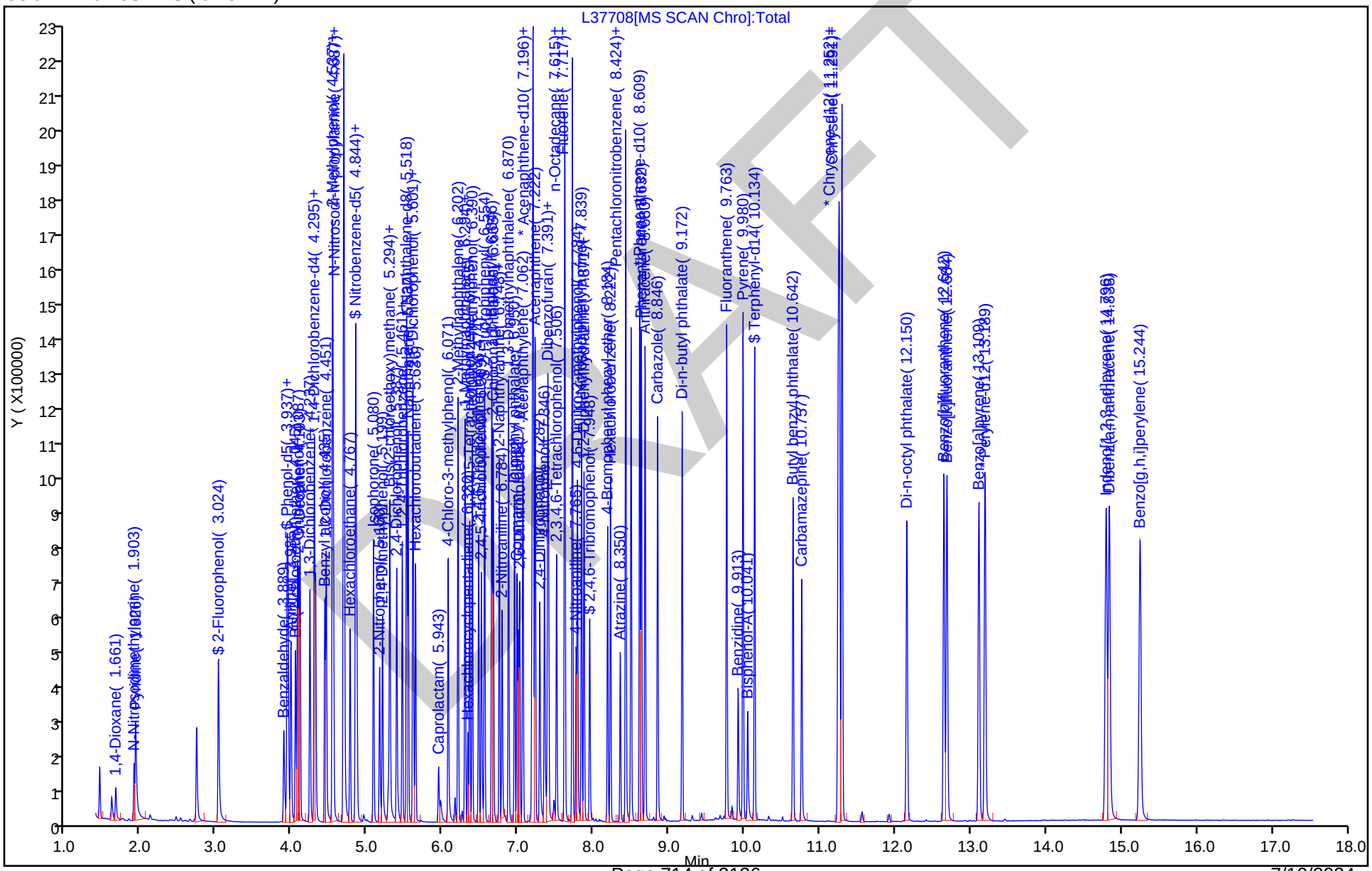
Lims ID: 460-307009-B-6-H MSD Worklist Smp#: 9

Client ID: #20241044 COMPOSITE 39W-P-2-23

Injection Vol: 1.0 ul Dil. Factor: 1.0000 ALS Bottle#: 9

Method: 8270_12R_9 Limit Group: SV 8270E ICAL

Column: Rtxi-5Sil MS (0.25 mm)



DRAFT

Eurofins Edison
Recovery Report

Data File: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\L37708.d
Lims ID: 460-307009-B-6-H MSD
Client ID: #20241044 COMPOSITE 39W-P-2-23
Sample Type: MSD
Inject. Date: 07-Jul-2024 16:40:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 460-0178055-009
Operator ID: Instrument ID: CBNAMS12

Method: \\chromfs\Edison\ChromData\CBNAMS12\20240707-178055.b\8270_12R_9.m
Limit Group: SV 8270E ICAL
Last Update: 08-Jul-2024 13:18:26 Calib Date: 24-Jun-2024 11:06:30
Integrator: RTE ID Type: Deconvolution ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Edison\ChromData\CBNAMS12\20240624-177545.b\L37512.d

Column 1 : Rtxi-5Sil MS (0.25 mm) Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: C8UP Date: 08-Jul-2024 13:18:53

Compound	Amount Added	Amount Recovered	% Rec.
$ 4 2-Fluorophenol	50.0	30.0	60.02
$ 6 Phenol-d5	50.0	31.6	63.21
$ 26 Nitrobenzene-d5	50.0	29.9	59.74
$ 50 2-Fluorobiphenyl	50.0	32.5	65.06
$ 79 2,4,6-Tribromophenol	50.0	34.2	68.41
$ 94 Terphenyl-d14	50.0	37.3	74.66

DRAFT

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Instrument ID: CBNAMS11 Start Date: 06/24/2024 05:54

Analysis Batch Number: 981832 End Date: 06/24/2024 18:11

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-981832/1		06/24/2024 05:54	1	Z86735.d	Rtxi-5Sil MS 0.25(mm)
ICIS 460-981832/2		06/24/2024 06:06	1	Z86736.d	Rtxi-5Sil MS 0.25(mm)
STD120 460-981832/3 IC		06/24/2024 06:28	1	Z86737.d	Rtxi-5Sil MS 0.25(mm)
STD80 460-981832/4 IC		06/24/2024 06:51	1	Z86738.d	Rtxi-5Sil MS 0.25(mm)
STD20 460-981832/5 IC		06/24/2024 07:14	1	Z86739.d	Rtxi-5Sil MS 0.25(mm)
STD10 460-981832/6 IC		06/24/2024 07:36	1	Z86740.d	Rtxi-5Sil MS 0.25(mm)
STD5 460-981832/7 IC		06/24/2024 07:59	1	Z86741.d	Rtxi-5Sil MS 0.25(mm)
STD2 460-981832/8 IC		06/24/2024 08:22	1	Z86742.d	Rtxi-5Sil MS 0.25(mm)
STD1 460-981832/9 IC		06/24/2024 08:44	1	Z86743.d	Rtxi-5Sil MS 0.25(mm)
STD05 460-981832/10 IC		06/24/2024 09:07	1	Z86744.d	Rtxi-5Sil MS 0.25(mm)
ICV 460-981832/11		06/24/2024 09:30	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		06/24/2024 17:03	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		06/24/2024 17:25	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		06/24/2024 17:48	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		06/24/2024 18:11	1		Rtxi-5Sil MS 0.25(mm)

DRAFT

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Instrument ID: CBNAMS11 Start Date: 07/08/2024 08:34

Analysis Batch Number: 984002 End Date: 07/08/2024 19:34

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVIS 460-984002/2		07/08/2024 08:34	1	Z86929.d	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/08/2024 09:19	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/08/2024 09:42	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/08/2024 10:05	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/08/2024 10:28	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/08/2024 10:51	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/08/2024 11:13	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/08/2024 11:36	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/08/2024 11:59	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/08/2024 12:22	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/08/2024 12:45	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/08/2024 13:08	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/08/2024 13:31	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/08/2024 16:58	2		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/08/2024 17:21	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/08/2024 17:44	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/08/2024 18:49	1		Rtxi-5Sil MS 0.25(mm)
460-307050-2	SB-7-(9-11)	07/08/2024 19:34	1	Z86957.d	Rtxi-5Sil MS 0.25(mm)

DRAFT

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Instrument ID: CBNAMS12 Start Date: 06/24/2024 07:53

Analysis Batch Number: 981853 End Date: 06/24/2024 11:29

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 460-981853/1		06/24/2024 07:53	1	L37503.d	Rtxi-5Sil MS 0.25(mm)
ICIS 460-981853/2		06/24/2024 08:05	1	L37504.d	Rtxi-5Sil MS 0.25(mm)
STD120 460-981853/3 IC		06/24/2024 08:28	1	L37505.d	Rtxi-5Sil MS 0.25(mm)
STD80 460-981853/4 IC		06/24/2024 08:50	1	L37506.d	Rtxi-5Sil MS 0.25(mm)
STD20 460-981853/5 IC		06/24/2024 09:13	1	L37507.d	Rtxi-5Sil MS 0.25(mm)
STD10 460-981853/6 IC		06/24/2024 09:35	1	L37508.d	Rtxi-5Sil MS 0.25(mm)
STD5 460-981853/7 IC		06/24/2024 09:58	1	L37509.d	Rtxi-5Sil MS 0.25(mm)
STD2 460-981853/8 IC		06/24/2024 10:21	1	L37510.d	Rtxi-5Sil MS 0.25(mm)
STD1 460-981853/9 IC		06/24/2024 10:43	1	L37511.d	Rtxi-5Sil MS 0.25(mm)
STD05 460-981853/10 IC		06/24/2024 11:06	1	L37512.d	Rtxi-5Sil MS 0.25(mm)
ICV 460-981853/11		06/24/2024 11:29	1	L37513.d	Rtxi-5Sil MS 0.25(mm)

DRAFT

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Instrument ID: CBNAMS12 Start Date: 07/07/2024 13:52

Analysis Batch Number: 983942 End Date: 07/07/2024 23:55

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
CCVIS 460-983942/2		07/07/2024 13:52	1	L37701.d	Rtxi-5Sil MS 0.25(mm)
MB 460-983903/1-A		07/07/2024 14:46	1	L37703.d	Rtxi-5Sil MS 0.25(mm)
LCS 460-983903/2-A		07/07/2024 15:09	1	L37704.d	Rtxi-5Sil MS 0.25(mm)
LCSD 460-983903/3-A		07/07/2024 15:32	1	L37705.d	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/07/2024 15:55	1		Rtxi-5Sil MS 0.25(mm)
460-307009-B-6-G MS		07/07/2024 16:18	1	L37707.d	Rtxi-5Sil MS 0.25(mm)
460-307009-B-6-H MSD		07/07/2024 16:40	1	L37708.d	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/07/2024 17:04	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/07/2024 17:26	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/07/2024 17:49	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/07/2024 18:12	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/07/2024 18:35	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/07/2024 18:58	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/07/2024 19:21	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/07/2024 19:44	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/07/2024 20:07	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/07/2024 20:30	1		Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/07/2024 20:53	1		Rtxi-5Sil MS 0.25(mm)
460-307050-3	SB-8-(0-2)	07/07/2024 21:15	1	L37720.d	Rtxi-5Sil MS 0.25(mm)
460-307050-4	SB-8-(9-11)	07/07/2024 21:38	1	L37721.d	Rtxi-5Sil MS 0.25(mm)
460-307050-5	SB-9-(0-2)	07/07/2024 22:01	1	L37722.d	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/07/2024 22:24	1		Rtxi-5Sil MS 0.25(mm)
460-307050-6	SB-9-(9-11)	07/07/2024 22:46	1	L37724.d	Rtxi-5Sil MS 0.25(mm)
ZZZZZ		07/07/2024 23:09	5		Rtxi-5Sil MS 0.25(mm)
460-307050-1	SB-7-(0-2)	07/07/2024 23:55	5	L37727.d	Rtxi-5Sil MS 0.25(mm)

DRAFT

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Batch Number: 981832 Batch Start Date: 06/24/24 05:54 Batch Analyst: Johnston, Mark D

Batch Method: 8270E Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FinalAmount	SMDFTP_CH 00036	SV_BNA_L1 00006	SV_BNA_L2 00006	SV_BNA_L3 00006	SV_BNA_L4 00006
DFTPP 460-981832/1		8270E			1 mL	1 mL				
ICIS 460-981832/2		8270E			1 mL					
STD120 460-981832/3 IC		8270E			1 mL					
STD80 460-981832/4 IC		8270E			1 mL					
STD20 460-981832/5 IC		8270E			1 mL					
STD10 460-981832/6 IC		8270E			1 mL					
STD5 460-981832/7 IC		8270E			1 mL					1 mL
STD2 460-981832/8 IC		8270E			1 mL				1 mL	
STD1 460-981832/9 IC		8270E			1 mL			1 mL		
STD05 460-981832/10 IC		8270E			1 mL		1 mL			

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	SV_BNA_L5 00006	SV_BNA_L6 00006	SV_BNA_L7 00007	SV_BNA_L8 00006	SV_BNA_L9 00006	
DFTPP 460-981832/1		8270E								
ICIS 460-981832/2		8270E					1 mL			
STD120 460-981832/3 IC		8270E							1 mL	
STD80 460-981832/4 IC		8270E						1 mL		
STD20 460-981832/5 IC		8270E				1 mL				
STD10 460-981832/6 IC		8270E			1 mL					
STD5 460-981832/7 IC		8270E								
STD2 460-981832/8 IC		8270E								
STD1 460-981832/9 IC		8270E								

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

DRAFT

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Batch Number: 981832 Batch Start Date: 06/24/24 05:54 Batch Analyst: Johnston, Mark D

Batch Method: 8270E Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	SV_BNA_L5 00006	SV_BNA_L6 00006	SV_BNA_L7 00007	SV_BNA_L8 00006	SV_BNA_L9 00006	
STD05 460-981832/10 IC		8270E								

Batch Notes	

Basis	Basis Description

DRAFT

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Batch Number: 981853 Batch Start Date: 06/24/24 07:53 Batch Analyst: Johnston, Mark D

Batch Method: 8270E Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	FinalAmount	SMDFTP_CH 00036	SV_BNA_ICV 00010	SV_BNA_L1 00006	SV_BNA_L2 00006	SV_BNA_L3 00006
DFTPP 460-981853/1		8270E			1 mL	1 mL				
ICIS 460-981853/2		8270E			1 mL					
STD120 460-981853/3 IC		8270E			1 mL					
STD80 460-981853/4 IC		8270E			1 mL					
STD20 460-981853/5 IC		8270E			1 mL					
STD10 460-981853/6 IC		8270E			1 mL					
STD5 460-981853/7 IC		8270E			1 mL					
STD2 460-981853/8 IC		8270E			1 mL					1 mL
STD1 460-981853/9 IC		8270E			1 mL				1 mL	
STD05 460-981853/10 IC		8270E			1 mL			1 mL		
ICV 460-981853/11		8270E			1 mL		1 mL			

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	SV_BNA_L4 00006	SV_BNA_L5 00006	SV_BNA_L6 00006	SV_BNA_L7 00007	SV_BNA_L8 00006	SV_BNA_L9 00006
DFTPP 460-981853/1		8270E								
ICIS 460-981853/2		8270E						1 mL		
STD120 460-981853/3 IC		8270E								1 mL
STD80 460-981853/4 IC		8270E							1 mL	
STD20 460-981853/5 IC		8270E					1 mL			
STD10 460-981853/6 IC		8270E				1 mL				
STD5 460-981853/7 IC		8270E			1 mL					
STD2 460-981853/8 IC		8270E								

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

DRAFT

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Batch Number: 981853 Batch Start Date: 06/24/24 07:53 Batch Analyst: Johnston, Mark D

Batch Method: 8270E Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	SV_BNA_L4 00006	SV_BNA_L5 00006	SV_BNA_L6 00006	SV_BNA_L7 00007	SV_BNA_L8 00006	SV_BNA_L9 00006
STD1 460-981853/9 IC		8270E								
STD05 460-981853/10 IC		8270E								
ICV 460-981853/11		8270E								

Batch Notes	

Basis	Basis Description

DRAFT

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Batch Number: 983903 Batch Start Date: 07/06/24 17:41 Batch Analyst: Biri, Zouher X

Batch Method: 3546 Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	OP_Benzald_sp 00020	OP_BNA SPIK 00051	OP_BNASurroga 00029	
MB 460-983903/1		3546, 8270E			15.00 g	1 mL			500 uL	
LCS 460-983903/2		3546, 8270E			15.00 g	1 mL	10 uL	500 uL	500 uL	
LCSD 460-983903/3		3546, 8270E			15.00 g	1 mL	10 uL	500 uL	500 uL	
460-307009-B-6 MS		3546, 8270E		T	15.00 g	1 mL	10 uL	500 uL	500 uL	
460-307009-B-6 MSD		3546, 8270E		T	15.00 g	1 mL	10 uL	500 uL	500 uL	
460-307050-A-1	SB-7-(0-2)	3546, 8270E	Solid	T	15.00 g	1 mL			500 uL	
460-307050-A-2	SB-7-(9-11)	3546, 8270E	Solid	T	15.00 g	1 mL			500 uL	
460-307050-A-3	SB-8-(0-2)	3546, 8270E	Solid	T	15.00 g	1 mL			500 uL	
460-307050-A-4	SB-8-(9-11)	3546, 8270E	Solid	T	15.00 g	1 mL			500 uL	
460-307050-A-5	SB-9-(0-2)	3546, 8270E	Solid	T	15.00 g	1 mL			500 uL	
460-307050-A-6	SB-9-(9-11)	3546, 8270E	Solid	T	15.00 g	1 mL			500 uL	

DRAFT

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Batch Number: 983903 Batch Start Date: 07/06/24 17:41 Batch Analyst: Biri, Zouher X

Batch Method: 3546 Batch End Date:

Batch Notes	
Method/Fraction	3546 / 8270E
Balance ID	13
Microwave Oven ID	MD-1952
Analyst ID - Extraction	Bz
Blank Matrix ID	181427
Analyst ID - Spike Analyst	Bz
Analyst ID - Spike Witness Analyst	BB
Prep Solvent ID	Dichloromethane: 3162011 & Acetone: 1962019
Na2SO4 ID	232436
Analyst ID - Concentration	AB
Equipment ID - Concentration 1	31869
Thermometer ID - Concentration 1	31869
Concentration 1 Uncorrected Temperature	34.0 Degrees C
Concentration 1 Corrected Temperature	34.0 Degrees C
Vial Lot Number	21126080
Batch Comment	BNA Soil

Basis	Basis Description
T	Total/NA

DRAFT

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS

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COVER PAGE
METALS

Lab Name: Eurofins Edison Job Number: 460-307050-1

SDG No.:

Project: 1931 Lafayette Ave, Bronx

Client Sample ID	Lab Sample ID
SB-7-(0-2)	460-307050-1
SB-7-(9-11)	460-307050-2
SB-8-(0-2)	460-307050-3
SB-8-(9-11)	460-307050-4
SB-9-(0-2)	460-307050-5
SB-9-(9-11)	460-307050-6

DRAFT

Comments:

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SB-7-(0-2)
Lab Sample ID: 460-307050-1
Lab Name: Eurofins Edison
Job No.: 460-307050-1
SDG ID.:
Matrix: Solid
Date Sampled: 07/03/2024 08:30
Reporting Basis: DRY
Date Received: 07/03/2024 17:20
Preparation Batch Number: 983997
Instrument ID: ICPMS4
% Solids: 85.4

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	8.4	1.0	0.11	mg/Kg			1	6020B
7440-39-3	Barium	1920	2.1	0.15	mg/Kg			1	6020B
7440-41-7	Beryllium	0.34	0.42	0.060	mg/Kg	J		1	6020B
7440-43-9	Cadmium	0.76	1.0	0.12	mg/Kg	J		1	6020B
7440-47-3	Chromium	18.7	2.1	0.95	mg/Kg			1	6020B
7440-50-8	Copper	49.0	2.1	0.38	mg/Kg			1	6020B
7439-92-1	Lead	888	0.63	0.21	mg/Kg			1	6020B
7439-96-5	Manganese	312	4.2	0.42	mg/Kg			1	6020B
7440-02-0	Nickel	21.4	2.1	0.49	mg/Kg			1	6020B
7782-49-2	Selenium	0.59	1.3	0.13	mg/Kg	J		1	6020B
7440-22-4	Silver	0.16	0.42	0.093	mg/Kg	J		1	6020B
7440-66-6	Zinc	916	8.4	3.2	mg/Kg			1	6020B
7439-97-6	Mercury	0.75	0.018	0.0086	mg/Kg			1	7471B

DRAFT

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SB-7-(9-11)
Lab Sample ID: 460-307050-2
Lab Name: Eurofins Edison
Job No.: 460-307050-1
SDG ID.:
Matrix: Solid
Date Sampled: 07/03/2024 09:50
Reporting Basis: DRY
Date Received: 07/03/2024 17:20
Preparation Batch Number: 983997
Instrument ID: ICPMS4
% Solids: 90.8

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	5.0	1.1	0.11	mg/Kg			1	6020B
7440-39-3	Barium	270	2.1	0.16	mg/Kg			1	6020B
7440-41-7	Beryllium	0.77	0.43	0.061	mg/Kg			1	6020B
7440-43-9	Cadmium	0.46	1.1	0.12	mg/Kg	J		1	6020B
7440-47-3	Chromium	15.8	2.1	0.97	mg/Kg			1	6020B
7440-50-8	Copper	40.5	2.1	0.39	mg/Kg			1	6020B
7439-92-1	Lead	235	0.64	0.21	mg/Kg			1	6020B
7439-96-5	Manganese	284	4.3	0.43	mg/Kg			1	6020B
7440-02-0	Nickel	16.1	2.1	0.50	mg/Kg			1	6020B
7782-49-2	Selenium	0.30	1.3	0.14	mg/Kg	J		1	6020B
7440-22-4	Silver	0.10	0.43	0.095	mg/Kg	J		1	6020B
7440-66-6	Zinc	259	8.6	3.3	mg/Kg			1	6020B
7439-97-6	Mercury	0.19	0.018	0.0084	mg/Kg			1	7471B

DRAFT

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SB-8-(0-2)
Lab Sample ID: 460-307050-3
Lab Name: Eurofins Edison
Job No.: 460-307050-1
SDG ID.:
Matrix: Solid
Date Sampled: 07/03/2024 09:30
Reporting Basis: DRY
Date Received: 07/03/2024 17:20
Preparation Batch Number: 983997
Instrument ID: ICPMS4
% Solids: 84.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	10.4	1.1	0.12	mg/Kg			1	6020B
7440-39-3	Barium	472	2.2	0.16	mg/Kg			1	6020B
7440-41-7	Beryllium	0.38	0.45	0.064	mg/Kg	J		1	6020B
7440-43-9	Cadmium	0.50	1.1	0.13	mg/Kg	J		1	6020B
7440-47-3	Chromium	26.8	2.2	1.0	mg/Kg			1	6020B
7440-50-8	Copper	149	2.2	0.41	mg/Kg			1	6020B
7439-92-1	Lead	347	0.67	0.22	mg/Kg			1	6020B
7439-96-5	Manganese	115	4.5	0.45	mg/Kg			1	6020B
7440-02-0	Nickel	21.9	2.2	0.52	mg/Kg			1	6020B
7782-49-2	Selenium	1.1	1.4	0.14	mg/Kg	J		1	6020B
7440-22-4	Silver	0.36	0.45	0.099	mg/Kg	J		1	6020B
7440-66-6	Zinc	488	8.9	3.4	mg/Kg			1	6020B
7439-97-6	Mercury	0.20	0.020	0.0093	mg/Kg			1	7471B

DRAFT

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SB-8-(9-11)
Lab Sample ID: 460-307050-4
Lab Name: Eurofins Edison
Job No.: 460-307050-1
SDG ID.:
Matrix: Solid
Date Sampled: 07/03/2024 10:30
Reporting Basis: DRY
Date Received: 07/03/2024 17:20
Preparation Batch Number: 983997
Instrument ID: ICPMS4
% Solids: 89.6

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	3.4	0.99	0.10	mg/Kg			1	6020B
7440-39-3	Barium	139	2.0	0.14	mg/Kg			1	6020B
7440-41-7	Beryllium	0.35	0.40	0.056	mg/Kg	J		1	6020B
7440-43-9	Cadmium	0.23	0.99	0.11	mg/Kg	J		1	6020B
7440-47-3	Chromium	15.2	2.0	0.90	mg/Kg			1	6020B
7440-50-8	Copper	22.3	2.0	0.36	mg/Kg			1	6020B
7439-92-1	Lead	153	0.59	0.20	mg/Kg			1	6020B
7439-96-5	Manganese	169	4.0	0.40	mg/Kg			1	6020B
7440-02-0	Nickel	15.7	2.0	0.46	mg/Kg			1	6020B
7782-49-2	Selenium	0.19	1.2	0.13	mg/Kg	J		1	6020B
7440-22-4	Silver	0.099	0.40	0.088	mg/Kg	J		1	6020B
7440-66-6	Zinc	129	7.9	3.0	mg/Kg			1	6020B
7439-97-6	Mercury	0.16	0.019	0.0088	mg/Kg			1	7471B

DRAFT

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SB-9-(0-2)
Lab Sample ID: 460-307050-5
Lab Name: Eurofins Edison
Job No.: 460-307050-1
SDG ID.:
Matrix: Solid
Date Sampled: 07/03/2024 10:40
Reporting Basis: DRY
Date Received: 07/03/2024 17:20
Preparation Batch Number: 983997
Instrument ID: ICPMS4
% Solids: 78.5

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	4.4	1.2	0.12	mg/Kg			1	6020B
7440-39-3	Barium	4060	7.1	0.52	mg/Kg			3	6020B
7440-41-7	Beryllium	0.45	0.48	0.068	mg/Kg	J		1	6020B
7440-43-9	Cadmium	0.97	1.2	0.13	mg/Kg	J		1	6020B
7440-47-3	Chromium	17.3	2.4	1.1	mg/Kg			1	6020B
7440-50-8	Copper	78.9	2.4	0.44	mg/Kg			1	6020B
7439-92-1	Lead	140	0.71	0.24	mg/Kg			1	6020B
7439-96-5	Manganese	70.2	4.8	0.48	mg/Kg			1	6020B
7440-02-0	Nickel	12.5	2.4	0.56	mg/Kg			1	6020B
7782-49-2	Selenium	0.63	1.5	0.15	mg/Kg	J		1	6020B
7440-22-4	Silver	0.12	0.48	0.11	mg/Kg	J		1	6020B
7440-66-6	Zinc	1650	9.5	3.6	mg/Kg			1	6020B
7439-97-6	Mercury	0.83	0.022	0.010	mg/Kg			1	7471B

DRAFT

1A-IN
INORGANIC ANALYSIS DATA SHEET
METALS

Client Sample ID: SB-9-(9-11)
Lab Sample ID: 460-307050-6
Lab Name: Eurofins Edison
Job No.: 460-307050-1
SDG ID.:
Matrix: Solid
Date Sampled: 07/03/2024 11:25
Reporting Basis: DRY
Date Received: 07/03/2024 17:20
Preparation Batch Number: 983997
Instrument ID: ICPMS4
% Solids: 90.3

CAS No.	Analyte	Result	RL	MDL	Units	C	Q	DIL	Method
7440-38-2	Arsenic	3.7	1.1	0.11	mg/Kg			1	6020B
7440-39-3	Barium	172	2.2	0.16	mg/Kg			1	6020B
7440-41-7	Beryllium	0.94	0.43	0.061	mg/Kg			1	6020B
7440-43-9	Cadmium	0.27	1.1	0.12	mg/Kg	J		1	6020B
7440-47-3	Chromium	20.6	2.2	0.98	mg/Kg			1	6020B
7440-50-8	Copper	42.8	2.2	0.40	mg/Kg			1	6020B
7439-92-1	Lead	64.9	0.65	0.22	mg/Kg			1	6020B
7439-96-5	Manganese	233	4.3	0.43	mg/Kg			1	6020B
7440-02-0	Nickel	20.2	2.2	0.51	mg/Kg			1	6020B
7782-49-2	Selenium	0.22	1.3	0.14	mg/Kg	J		1	6020B
7440-22-4	Silver	0.10	0.43	0.096	mg/Kg	J		1	6020B
7440-66-6	Zinc	96.0	8.6	3.3	mg/Kg			1	6020B
7439-97-6	Mercury	0.085	0.018	0.0086	mg/Kg			1	7471B

DRAFT

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

ICV Source: Interm_ICV_00017 Concentration Units: ug/L

CCV Source: me_Cal5_00171

Analyte	ICV 460-984070/7 07/08/2024 11:38				CCV 460-984070/19 07/08/2024 12:15				CCV 460-984070/73 07/08/2024 14:33			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	80.54		80.0	101	100.1		100	100	98.32		100	98
Barium	81.63		80.0	102	100.0		100	100	102.3		100	102
Beryllium	81.25		80.0	102	102.6		100	103	101.6		100	102
Cadmium	79.53		80.0	99	103.3		100	103	100.3		100	100
Chromium	79.02		80.0	99	101.5		100	102	99.86		100	100
Copper	81.64		80.0	102	103.0		100	103	100.0		100	100
Lead	79.67		80.0	100	101.2		100	101	99.41		100	99
Manganese	79.44		80.0	99	103.1		100	103	99.43		100	99
Nickel	79.23		80.0	99	102.1		100	102	90.03		100	90
Selenium	80.67		80.0	101	103.1		100	103	97.43		100	97
Silver	39.90		40.0	100	51.10		50.0	102	49.20		50.0	98
Zinc	203.2		200	102	260.6		250	104	247.6		250	99

DRAFT

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

ICV Source: Interm_ICV_00017 Concentration Units: ug/L

CCV Source: me_Cal5_00171

Analyte	CCV 460-984070/85 07/08/2024 15:03				CCV 460-984070/100 07/08/2024 15:43				CCV 460-984070/109 07/08/2024 16:06			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Arsenic	98.33		100	98	99.99		100	100	101.2		100	101
Barium	103.3		100	103	98.88		100	99	106.1		100	106
Beryllium	104.0		100	104	102.7		100	103	100.5		100	101
Cadmium	98.10		100	98	101.1		100	101	100.3		100	100
Chromium	99.30		100	99	101.3		100	101	100.6		100	101
Copper	100.2		100	100	101.3		100	101	101.7		100	102
Lead	99.50		100	99	101.3		100	101	102.0		100	102
Manganese	99.11		100	99	99.53		100	100	100.3		100	100
Nickel	90.78		100	91	90.96		100	91				
Selenium	102.8		100	103	99.91		100	100	101.4		100	101
Silver	49.42		50.0	99	51.20		50.0	102	50.13		50.0	100
Zinc	251.8		250	101	249.9		250	100	252.1		250	101

DRAFT

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

ICV Source: Interm_ICV_00017 Concentration Units: ug/L

CCV Source: me_Cal5_00171

Analyte	ICV 460-984282/7 07/09/2024 11:17				CCV 460-984282/19 07/09/2024 11:47				CCV 460-984282/106 07/09/2024 15:33			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Barium	80.43		80.0	101	98.71		100	99	94.10		100	94
Nickel	79.43		80.0	99	100.4		100	100	101.0		100	101
Arsenic	78.79		80.0	98	101.3		100	101	95.67		100	96
Beryllium	78.99		80.0	99	96.68		100	97	96.15		100	96
Cadmium	80.68		80.0	101	100.6		100	101	103.0		100	103
Chromium	81.33		80.0	102	100.7		100	101	102.0		100	102
Copper	81.59		80.0	102	101.6		100	102	102.0		100	102
Lead	80.36		80.0	100	100.7		100	101	100.4		100	100
Manganese	81.54		80.0	102	101.4		100	101	101.2		100	101
Selenium	78.60		80.0	98	98.82		100	99	102.0		100	102
Silver	40.20		40.0	100	50.35		50.0	101	51.14		50.0	102
Zinc	203.1		200	102	256.0		250	102	254.4		250	102

DRAFT

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

ICV Source: Interm_ICV_00017 Concentration Units: ug/L

CCV Source: me_Cal5_00171

Analyte	CCV 460-984282/116 07/09/2024 15:58											
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Barium	100.5		100	101								
Nickel	101.4		100	101								
Arsenic	100.9		100	101								
Beryllium	97.52		100	98								
Cadmium	102.4		100	102								
Chromium	100.5		100	100								
Copper	102.2		100	102								
Lead	102.4		100	102								
Manganese	102.4		100	102								
Selenium	101.2		100	101								
Silver	51.12		50.0	102								
Zinc	258.0		250	103								

DRAFT

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

ICV Source: ME_DQCS-INT_04344 Concentration Units: ug/L

CCV Source: ME_DCAL-IN_04614

Analyte	ICV 460-984181/23 07/09/2024 04:23				CCV 460-984181/49 07/09/2024 05:11				CCV 460-984181/61 07/09/2024 05:33			
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	4.97		5.00	99	4.96		5.00	99	5.00		5.00	100

DRAFT

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

2A-IN
CALIBRATION VERIFICATIONS
METALS

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

ICV Source: ME_DQCS-INT_04344 Concentration Units: ug/L

CCV Source: ME_DCAL-IN_04614

Analyte	CCV 460-984181/73 07/09/2024 05:54				CCV 460-984181/85 07/09/2024 06:16							
	Found	C	True	%R	Found	C	True	%R	Found	C	True	%R
Mercury	5.04		5.00	101	5.02		5.00	100				

DRAFT

Note! Calculations are performed before rounding to avoid round-off errors in calculated results.
Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 460-984070/8 07/08/2024 11:40		CCB 460-984070/20 07/08/2024 12:17		CCB 460-984070/74 07/08/2024 14:36		CCB 460-984070/86 07/08/2024 15:06	
		Found	C	Found	C	Found	C	Found	C
Arsenic	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Barium	20.0	20.0	U	20.0	U	20.0	U	20.0	U
Beryllium	4.0	4.0	U	4.0	U	4.0	U	4.0	U
Cadmium	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Chromium	20.0	20.0	U	20.0	U	20.0	U	20.0	U
Copper	20.0	20.0	U	20.0	U	20.0	U	20.0	U
Lead	6.0	6.0	U	6.0	U	6.0	U	6.0	U
Manganese	40.0	40.0	U	40.0	U	40.0	U	40.0	U
Nickel	20.0	20.0	U	20.0	U	20.0	U	20.0	U
Selenium	12.5	12.5	U	12.5	U	12.5	U	12.5	U
Silver	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Zinc	80.0	80.0	U	80.0	U	80.0	U	80.0	U

DRAFT

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 460-984070/101 07/08/2024 15:45		CCB 460-984070/110 07/08/2024 16:08					
		Found	C	Found	C	Found	C	Found	C
Arsenic	10.0	10.0	U	10.0	U				
Barium	20.0	20.0	U	20.0	U				
Beryllium	4.0	4.0	U	4.0	U				
Cadmium	10.0	10.0	U	10.0	U				
Chromium	20.0	20.0	U	20.0	U				
Copper	20.0	20.0	U	20.0	U				
Lead	6.0	6.0	U	6.0	U				
Manganese	40.0	40.0	U	40.0	U				
Nickel	20.0	20.0	U	20.0	U				
Selenium	12.5	12.5	U	12.5	U				
Silver	10.0	10.0	U	10.0	U				
Zinc	80.0	80.0	U	80.0	U				

DRAFT

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 460-984282/8 07/09/2024 11:20		CCB 460-984282/20 07/09/2024 11:50		CCB 460-984282/107 07/09/2024 15:36		CCB 460-984282/117 07/09/2024 16:01	
		Found	C	Found	C	Found	C	Found	C
Barium	20.0	20.0	U	20.0	U	20.0	U	1.79	J
Nickel	20.0	20.0	U	20.0	U	20.0	U	20.0	U
Arsenic	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Beryllium	4.0	4.0	U	4.0	U	4.0	U	4.0	U
Cadmium	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Chromium	20.0	20.0	U	20.0	U	20.0	U	20.0	U
Copper	20.0	20.0	U	20.0	U	20.0	U	20.0	U
Lead	6.0	6.0	U	6.0	U	6.0	U	6.0	U
Manganese	40.0	40.0	U	40.0	U	40.0	U	40.0	U
Selenium	12.5	12.5	U	12.5	U	12.5	U	12.5	U
Silver	10.0	10.0	U	10.0	U	10.0	U	10.0	U
Zinc	80.0	80.0	U	80.0	U	80.0	U	80.0	U

DRAFT

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	ICB 460-984181/24 07/09/2024 04:25		CCB 460-984181/50 07/09/2024 05:13		CCB 460-984181/62 07/09/2024 05:34		CCB 460-984181/74 07/09/2024 05:56	
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U	0.20	U	0.20	U	0.20	U

DRAFT

Italicized analytes were not requested for this sequence.

3-IN
INSTRUMENT BLANKS
METALS

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Concentration Units: ug/L

Analyte	RL	CCB 460-984181/86 07/09/2024 06:18							
		Found	C	Found	C	Found	C	Found	C
Mercury	0.20	0.20	U						

DRAFT

Italicized analytes were not requested for this sequence.

3-IN
METHOD BLANK
METALS

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 460-983997/1-A

Instrument Code: ICPMS4 Batch No.: 984070

CAS No.	Analyte	Concentration	C	Q	Method
7440-38-2	Arsenic	1.0	U		6020B
7440-39-3	Barium	2.0	U		6020B
7440-41-7	Beryllium	0.40	U		6020B
7440-43-9	Cadmium	1.0	U		6020B
7440-47-3	Chromium	2.0	U		6020B
7440-50-8	Copper	2.0	U		6020B
7439-92-1	Lead	0.60	U		6020B
7439-96-5	Manganese	4.0	U		6020B
7440-02-0	Nickel	2.0	U		6020B
7782-49-2	Selenium	1.3	U		6020B
7440-22-4	Silver	0.40	U		6020B
7440-66-6	Zinc	8.0	U		6020B

DRAFT

3-IN
METHOD BLANK
METALS

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Concentration Units: mg/Kg Lab Sample ID: MB 460-984147/1-A

Instrument Code: LEEMAN6 Batch No.: 984181

CAS No.	Analyte	Concentration	C	Q	Method
7439-97-6	Mercury	0.017	U		7471B

DRAFT

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Lab Sample ID: ICSA 460-984070/10 Instrument ID: ICPMS4

Lab File ID: 013ICSA.d ICS Source: me_ICSA_00239

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Arsenic		**0.219**	
Barium		**1.43**	
Beryllium		**0.0700**	
Cadmium		**0.579**	
Chromium		**2.01**	
Copper		**1.21**	
Lead		**0.940**	
Manganese		**1.71**	
Nickel		**-0.450**	
Selenium		**0.0850**	
Silver		**0.0380**	
Zinc		**5.20**	
Aluminum	*100000*	*100968*	*101*
Antimony		*0.325*	
Boron		*3.83*	
Calcium	*100000*	*101829*	*102*
Cobalt		*0.457*	
Iron	*100000*	*102025*	*102*
Magnesium	*100000*	*101440*	*101*
Molybdenum	*2000*	*2123*	*106*
Potassium	*100000*	*100213*	*100*
Sodium	*100000*	*102329*	*102*
Strontium		*0.906*	
Thallium		*0.0310*	
Tin		*-0.775*	
Titanium	*2000*	*2214*	*111*
Vanadium		*0.363*	

DRAFT

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Lab Sample ID: ICSAB 460-984070/11 Instrument ID: ICPMS4

Lab File ID: 014ICSB.d ICS Source: me_ICSAB_00199

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Arsenic	**200**	**197**	**98**
Barium	**200**	**204**	**102**
Beryllium	**200**	**209**	**104**
Cadmium	**200**	**206**	**103**
Chromium	**200**	**205**	**102**
Copper	**200**	**202**	**101**
Lead	**200**	**208**	**104**
Manganese	**200**	**194**	**97**
Nickel	**200**	**201**	**101**
Selenium	**200**	**194**	**97**
Silver	**200**	**200**	**100**
Zinc	**200**	**199**	
Aluminum	*100000*	*100353*	*100*
Antimony	*100*	*104*	*104*
Boron		*3.45*	
Calcium	*100000*	*101857*	*102*
Cobalt	*200*	*203*	*101*
Iron	*100000*	*102707*	*103*
Magnesium	*100000*	*100082*	*100*
Molybdenum	*2000*	*2113*	*106*
Potassium	*100000*	*99879*	*100*
Sodium	*100000*	*103107*	*103*
Strontium	*200*	*203*	*101*
Thallium	*100*	*104*	*104*
Tin	*200*	*209*	
Titanium	*2000*	*2203*	*110*
Vanadium	*200*	*208*	*104*

DRAFT

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Lab Sample ID: ICSA 460-984282/10 Instrument ID: ICPMS5

Lab File ID: 013ICSA.d ICS Source: me_ICSA_00239

Concentration Units: ug/L

Analyte	True Solution A	Found Solution A	Percent Recovery
Barium		**1.17**	
Nickel		**0.861**	
Aluminum	*100000*	*101052*	*101*
Antimony		*0.151*	
Arsenic		*0.154*	
Beryllium		*0.0460*	
Boron		*4.10*	
Cadmium		*0.474*	
Calcium	*100000*	*100238*	*100*
Chromium		*1.09*	
Cobalt		*0.371*	
Copper		*0.783*	
Iron	*100000*	*97639*	*98*
Lead		*0.565*	
Magnesium	*100000*	*101326*	*101*
Manganese		*1.06*	
Molybdenum	*2000*	*2016*	*101*
Potassium	*100000*	*101890*	*102*
Selenium		*0.104*	
Silver		*0.0320*	
Sodium	*100000*	*102136*	*102*
Strontium		*0.878*	
Thallium		*0.0150*	
Tin		*0.0880*	
Titanium	*2000*	*2175*	*109*
Vanadium		*-0.160*	
Zinc		*7.87*	

DRAFT

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

4A-IN
INTERFERENCE CHECK STANDARD
METALS

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Lab Sample ID: ICSAB 460-984282/11 Instrument ID: ICPMS5

Lab File ID: 014ICSB.d ICS Source: me_ICSAB_00199

Concentration Units: ug/L

Analyte	True Solution AB	Found Solution AB	Percent Recovery
Barium	**200**	**205**	**102**
Nickel	**200**	**201**	**101**
Aluminum	*100000*	*103061*	*103*
Antimony	*100*	*101*	*101*
Arsenic	*200*	*200*	*100*
Beryllium	*200*	*192*	*96*
Boron		*3.66*	
Cadmium	*200*	*204*	*102*
Calcium	*100000*	*102385*	*102*
Chromium	*200*	*202*	*101*
Cobalt	*200*	*199*	*100*
Copper	*200*	*199*	*100*
Iron	*100000*	*100609*	*101*
Lead	*200*	*207*	*104*
Magnesium	*100000*	*103167*	*103*
Manganese	*200*	*198*	*99*
Molybdenum	*2000*	*2077*	*104*
Potassium	*100000*	*103707*	*104*
Selenium	*200*	*195*	*97*
Silver	*200*	*199*	*100*
Sodium	*100000*	*103918*	*104*
Strontium	*200*	*205*	*103*
Thallium	*100*	*103*	*103*
Tin	*200*	*203*	
Titanium	*2000*	*2235*	*112*
Vanadium	*200*	*203*	*101*
Zinc	*200*	*206*	

DRAFT

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM IVA-IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 460-306985-F-6-D MS

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.: _____

Matrix: Solid Concentration Units: mg/Kg

% Solids: 92.9

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	10.23		0.93	J	10.8	86	75-125		6020B
Barium	17.82		7.8		10.8	93	75-125		6020B
Beryllium	5.01		0.15	J	5.38	90	75-125		6020B
Cadmium	4.75		1.1	U	5.38	88	75-125		6020B
Chromium	14.34		3.9		10.8	97	75-125		6020B
Copper	14.79		4.7		10.8	94	75-125		6020B
Lead	6.42		1.5		5.38	92	75-125		6020B
Manganese	114.4		54.3		53.8	112	75-125		6020B
Nickel	13.64		3.5		10.8	94	75-125		6020B
Selenium	8.95		1.3	U	10.8	83	75-125		6020B
Silver	4.67		0.43	U	5.38	87	75-125		6020B
Zinc	68.71		20.1		53.8	90	75-125		6020B

SSR = Spiked Sample Result

DRAFT

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5A-IN
MATRIX SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 460-307022-D-1-H MS

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.: _____

Matrix: Solid Concentration Units: mg/Kg

% Solids: 94.5

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Mercury	0.0966		0.011	J	0.0778	109	80-120		7471B

SSR = Spiked Sample Result

DRAFT

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VA - IN

5B-IN
POST DIGESTION SPIKE SAMPLE RECOVERY
METALS

Client ID: _____ Lab ID: 460-306985-F-6-B PDS

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.: _____

Matrix: Solid Concentration Units: mg/Kg

Analyte	SSR	C	Sample Result (SR)	C	Spike Added (SA)	%R	Control Limit %R	Q	Method
Arsenic	6.16		0.93	J	5.38	97	75-125		6020B
Barium	12.85		7.8		5.38	93	75-125		6020B
Beryllium	2.79		0.15	J	2.69	98	75-125		6020B
Cadmium	2.66		1.1	U	2.69	99	75-125		6020B
Chromium	8.98		3.9		5.38	95	75-125		6020B
Copper	9.81		4.7		5.38	96	75-125		6020B
Lead	4.04		1.5		2.69	96	75-125		6020B
Manganese	79.43		54.3		26.9	94	75-125		6020B
Nickel	8.55		3.5		5.38	93	75-125		6020B
Selenium	5.18		1.3	U	5.38	96	75-125		6020B
Silver	2.37		0.43	U	2.69	88	75-125		6020B
Zinc	43.91		20.1		26.9	88	75-125		6020B

SSR = Spiked Sample Result

DRAFT

Calculations are performed before rounding to avoid round-off errors in calculated results.
Note - Results and Reporting Limits have been adjusted for dry weight.

FORM VB - IN

6-IN
DUPLICATES
METALS

Client ID: _____ Lab ID: 460-306985-F-6-C DU

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.: _____

% Solids for Sample: 92.9 % Solids for Duplicate: 92.9

Matrix: Solid Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Arsenic	1.1	0.93	J	1.12		19		6020B
Barium	2.2	7.8		7.80		0.4		6020B
Beryllium	0.43	0.15	J	0.195	J	27		6020B
Cadmium	1.1	1.1	U	1.1	U	NC		6020B
Chromium	2.2	3.9		5.40		33		6020B
Copper	2.2	4.7		5.56		18		6020B
Lead	0.65	1.5		1.94		28		6020B
Manganese	4.3	54.3		74.76		32	*	6020B
Nickel	2.2	3.5		4.42		23		6020B
Selenium	1.3	1.3	U	1.3	U	NC		6020B
Silver	0.43	0.43	U	0.43	U	NC		6020B
Zinc	8.6	20.1		24.59		20		6020B

DRAFT

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

6-IN
DUPLICATES
METALS

Client ID: _____ Lab ID: 460-307022-D-1-G DU

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.: _____

% Solids for Sample: 94.5 % Solids for Duplicate: 94.5

Matrix: Solid Concentration Units: mg/Kg

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Mercury	0.016	0.011	J	0.0130	J	13		7471B

DRAFT

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VI-IN

7A-IN
LINEAR RANGE CHECK STANDARD
METALS

Lab ID: LRC 460-984070/13

Lab Name: Eurofins Edison Job No.: 460-307050-1

Sample Matrix: LCS Source:

Analyte	(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic		10.0	U					6020B
Barium		15.46	J					6020B
Beryllium		4.0	U					6020B
Cadmium		10.0	U					6020B
Chromium		20.0	U					6020B
Copper		20.0	U					6020B
Lead		6.0	U					6020B
Manganese		4.39	J					6020B
Nickel		20.0	U					6020B
Selenium		12.5	U					6020B
Silver		10.0	U					6020B
Zinc		80.0	U					6020B

DRAFT

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LINEAR RANGE CHECK STANDARD
METALS

Lab ID: LRC 460-984070/14

Lab Name: Eurofins Edison Job No.: 460-307050-1

Sample Matrix: LCS Source:

Analyte	(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic		10.0	U					6020B
Barium		1.65	J					6020B
Beryllium		4.0	U					6020B
Cadmium		10.0	U					6020B
Chromium		20.0	U					6020B
Copper		20.0	U					6020B
Lead		6.0	U					6020B
Manganese		40.0	U					6020B
Nickel		20.0	U					6020B
Selenium	3000	2958		99	90	110		6020B
Silver	1000	1017		102	90	110		6020B
Zinc		80.0	U					6020B

DRAFT

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LINEAR RANGE CHECK STANDARD
METALS

Lab ID: LRC 460-984070/15

Lab Name: Eurofins Edison Job No.: 460-307050-1

Sample Matrix: LCS Source: me_LR-A_00042

Analyte	(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	5000	4763		95	90	110		6020B
Barium	20000	19000		95	90	110		6020B
Beryllium	2000	2023		101	90	110		6020B
Cadmium	5000	4892		98	90	110		6020B
Chromium	20000	19810		99	90	110		6020B
Copper	20000	20870		104	90	110		6020B
Lead	20000	20690		103	90	110		6020B
Manganese	20000	19190		96	90	110		6020B
Nickel	20000	20700		103	90	110		6020B
Selenium		12.5	U					6020B
Silver		10.0	U					6020B
Zinc	20000	19980		100	90	110		6020B

DRAFT

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCSSRM 460-983997/2-A ^3

Lab Name: Eurofins Edison Job No.: 460-307050-1

Sample Matrix: Solid LCS Source: ME_LCSS_123_00004

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	311	314.6		101.2	81.7	118.3		6020B
Barium	304	301.6		99.2	81.9	118.1		6020B
Beryllium	169	168.6		99.8	82.8	117.2		6020B
Cadmium	212	214.6		101.2	82.5	117.9		6020B
Chromium	180	182.4		101.3	81.1	118.3		6020B
Copper	205	208.8		101.8	82.9	117.1		6020B
Lead	92.8	95.06		102.4	81.8	118.5		6020B
Manganese	531	528.6		99.6	80.8	119.2		6020B
Nickel	313	314.7		100.5	82.4	117.6		6020B
Selenium	165	168.1		101.9	80.6	119.4		6020B
Silver	82.4	83.25		101.0	79.5	120.4		6020B
Zinc	166	162.6		98.0	80.1	120.5		6020B

DRAFT

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LINEAR RANGE CHECK STANDARD
METALS

Lab ID: LRC 460-984282/12

Lab Name: Eurofins Edison Job No.: 460-307050-1

Sample Matrix: LCS Source: me_LR-A_00042

Analyte	(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic	5000	5097		102	90	110		6020B
Barium	20000	20100		100	90	110		6020B
Beryllium	2000	1953		98	90	110		6020B
Cadmium	5000	5116		102	90	110		6020B
Chromium	20000	20240		101	90	110		6020B
Copper	20000	20360		102	90	110		6020B
Lead	20000	20060		100	90	110		6020B
Manganese	20000	20090		100	90	110		6020B
Nickel	20000	20440		102	90	110		6020B
Selenium		12.5	U					6020B
Silver		10.0	U					6020B
Zinc	20000	19660		98	90	110		6020B

DRAFT

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LINEAR RANGE CHECK STANDARD
METALS

Lab ID: LRC 460-984282/13

Lab Name: Eurofins Edison Job No.: 460-307050-1

Sample Matrix: LCS Source:

Analyte	(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic		1.30	J					6020B
Barium		15.47	J					6020B
Beryllium		4.0	U					6020B
Cadmium		10.0	U					6020B
Chromium		20.0	U					6020B
Copper		3.72	J					6020B
Lead		2.53	J					6020B
Manganese		4.51	J					6020B
Nickel		20.0	U					6020B
Selenium		12.5	U					6020B
Silver		10.0	U					6020B
Zinc		80.0	U					6020B

DRAFT

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LINEAR RANGE CHECK STANDARD
METALS

Lab ID: LRC 460-984282/14

Lab Name: Eurofins Edison Job No.: 460-307050-1

Sample Matrix: LCS Source:

Analyte	(ug/L)							
	True	Found	C	%R	Limits		Q	Method
Arsenic		10.0	U					6020B
Barium		3.63	J					6020B
Beryllium		4.0	U					6020B
Cadmium		10.0	U					6020B
Chromium		20.0	U					6020B
Copper		4.48	J					6020B
Lead		2.93	J					6020B
Manganese		40.0	U					6020B
Nickel		20.0	U					6020B
Selenium	3000	2925		98	90	110		6020B
Silver	1000	966.9		97	90	110		6020B
Zinc		80.0	U					6020B

DRAFT

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

7A-IN
LCS-CERTIFIED REFERENCE MATERIAL
METALS

Lab ID: LCSSRM 460-984147/2-A ^20

Lab Name: Eurofins Edison Job No.: 460-307050-1

Sample Matrix: Solid LCS Source: ME_LCSS_123_00004

Analyte	Solid(mg/Kg)							
	True	Found	C	%R	Limits		Q	Method
Mercury	11.9	12.38		104.1	67.1	131.9		7471B

DRAFT

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIIA - IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 460-306985-F-6-B SD ^5

SDG No:

Lab Name: Eurofins Edison Job No: 460-307050-1

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Arsenic	0.93	J	0.934	J	NC		6020B
Barium	7.8		7.67	J	NC		6020B
Beryllium	0.15	J	2.2	U	NC		6020B
Cadmium	1.1	U	5.4	U	NC		6020B
Chromium	3.9		10.8	U	NC		6020B
Copper	4.7		4.73	J	NC		6020B
Lead	1.5		1.50	J	NC		6020B
Manganese	54.3		55.80		NC		6020B
Nickel	3.5		10.8	U	NC		6020B
Selenium	1.3	U	6.7	U	NC		6020B
Silver	0.43	U	2.2	U	NC		6020B
Zinc	20.1		20.73	J	NC		6020B

DRAFT

Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS
METALS

Lab ID: 460-307022-D-1-F SD ^5

SDG No:

Lab Name: Eurofins Edison Job No: 460-307050-1

Matrix: Solid Concentration Units: mg/Kg

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Mercury	0.011	J	0.079	U	NC		7471B

DRAFT

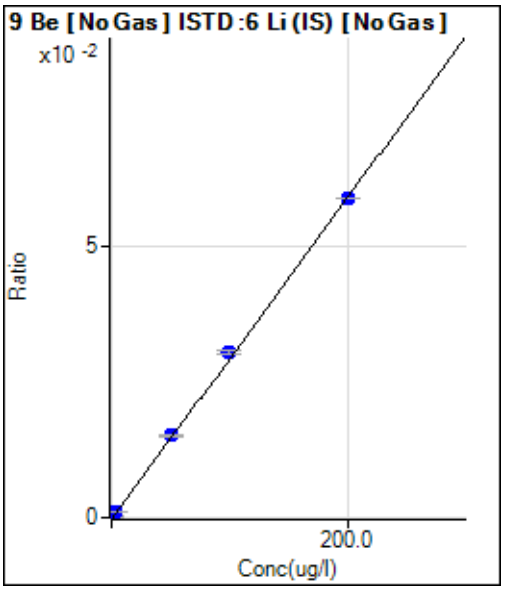
Calculations are performed before rounding to avoid round-off errors in calculated results.

FORM VIII-IN

Batch Folder: C:\Agilent\ICPMH\1\DATA\NM070824A1.b\
Analysis File: NM070824A1.batch.bin
DA Date-Time: 2024-07-08 12:54:33
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	IC CAL-Blk	2024-07-08 11:22:04
2	005CALS.d	IC CAL1	2024-07-08 11:24:47
3	006CALS.d	IC CAL2	2024-07-08 11:27:31
4	007CALS.d	IC CAL3	2024-07-08 11:30:14
5	008CALS.d	IC CAL4	2024-07-08 11:32:57
6	009CALS.d	IC CAL5	2024-07-08 11:35:40

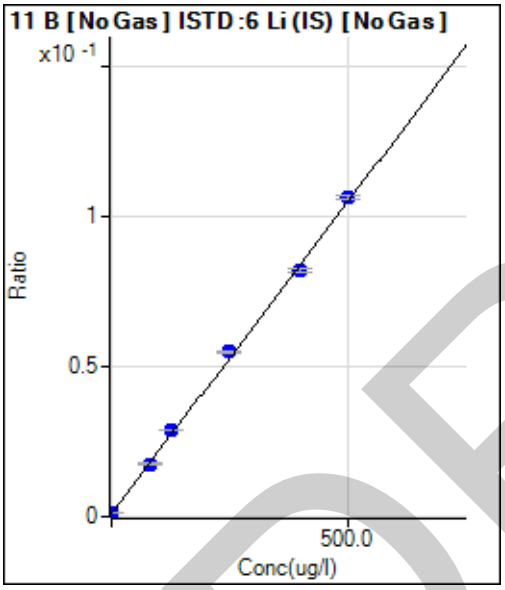
DRAFT



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	15.56	0.0000	P	12.7	
2	☐	0.800	0.752	1141.17	0.0002	P	8.2	-6.0
3	☐	4.000	3.903	5854.58	0.0012	P	0.8	-2.4
4	☐	50.000	51.225	75662.80	0.0152	P	1.8	2.4
5	☐	100.000	102.650	151724.03	0.0304	P	2.2	2.7
6	☐	200.000	198.371	294734.50	0.0587	P	0.5	-0.8

y = 2.9574E-004 * x + 3.0824E-006
R = 0.9998
DL = 0.003975 ug/l
BEC = 0.01042 ug/l

Weight: <None>
Min Conc: <None>

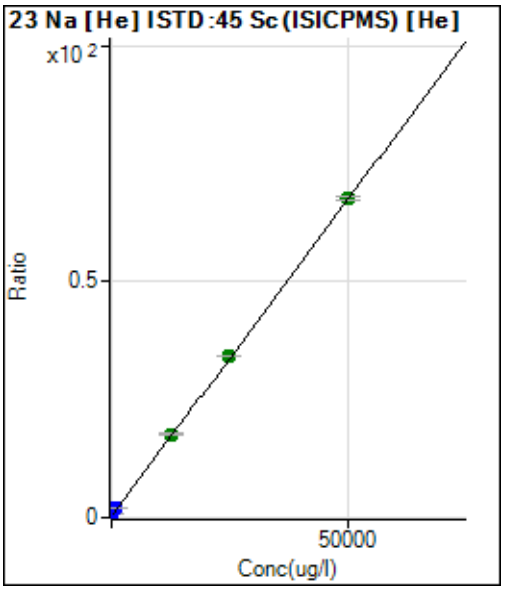


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	7977.86	0.0016	P	0.8	
2	☐	80.000	77.228	89248.57	0.0177	P	1.5	-3.5
3	☐	400.000	388.633	417111.07	0.0825	P	1.6	-2.8
4	☐	125.000	131.934	145016.72	0.0290	P	0.6	5.5
5	☐	250.000	256.438	274625.17	0.0549	P	0.4	2.6
6	☐	500.000	504.585	535488.70	0.1066	P	0.6	0.9

y = 2.0810E-004 * x + 0.0016
R = 0.9994
DL = 0.1727 ug/l
BEC = 7.594 ug/l

Weight: <None>
Min Conc: <None>

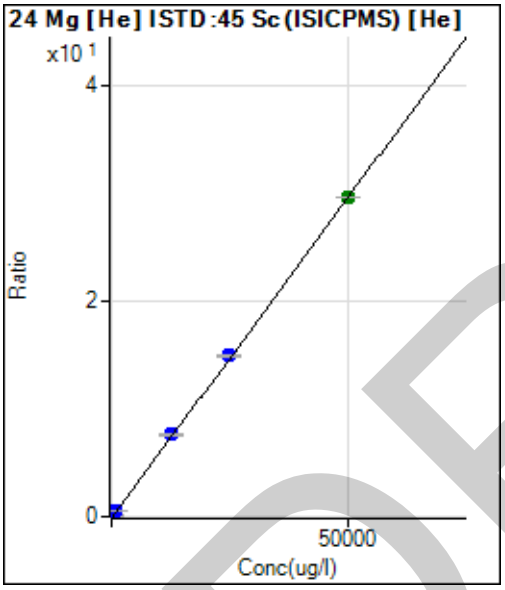
DRAFT



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	30813.86	0.6589	P	1.0	
2	☐	200.000	189.489	42939.03	0.9134	P	1.4	-5.3
3	☐	1000.000	980.027	91696.11	1.9750	P	1.2	-2.0
4	☐	12500.000	12664.915	824919.70	17.6671	A	1.6	1.3
5	☐	25000.000	25002.234	1586433.66	34.2353	A	0.4	0.0
6	☐	50000.000	49958.096	3163482.35	67.7494	A	0.7	-0.1

y = 0.0013 * x + 0.6589
R = 1.0000
DL = 14.75 ug/l
BEC = 490.7 ug/l

Weight: <None>
Min Conc: <None>

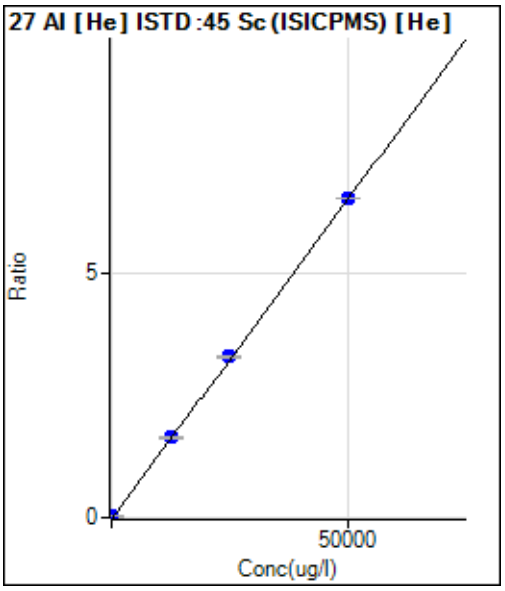


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	186.67	0.0040	P	14.0	
2	☐	200.000	202.526	5841.26	0.1243	P	1.1	1.3
3	☐	1000.000	998.070	27697.45	0.5967	P	2.1	-0.2
4	☐	12500.000	12759.083	353953.90	7.5804	P	1.4	2.1
5	☐	25000.000	25190.116	693287.08	14.9621	P	1.0	0.8
6	☐	50000.000	49840.200	1382121.10	29.5995	A	0.2	-0.3

y = 5.9381E-004 * x + 0.0040
R = 1.0000
DL = 2.822 ug/l
BEC = 6.721 ug/l

Weight: <None>
Min Conc: <None>

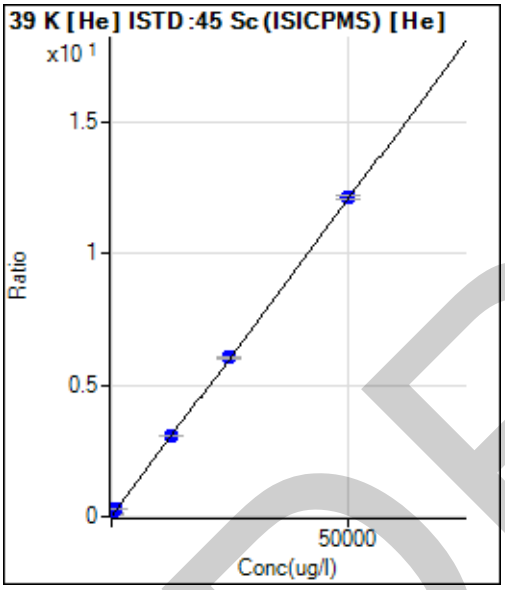
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	43.33	0.0009	P	22.4	
2	☐	40.000	38.810	282.23	0.0060	P	14.5	-3.0
3	☐	200.000	207.666	1303.40	0.0281	P	8.2	3.8
4	☐	12500.000	12558.441	76733.45	1.6434	P	1.6	0.5
5	☐	25000.000	25120.841	152305.91	3.2864	P	1.0	0.5
6	☐	50000.000	49924.940	304930.49	6.5304	P	0.4	-0.2

y = 1.3079E-004 * x + 9.2560E-004
R = 1.0000
DL = 4.764 ug/l
BEC = 7.077 ug/l

Weight: <None>
Min Conc: <None>

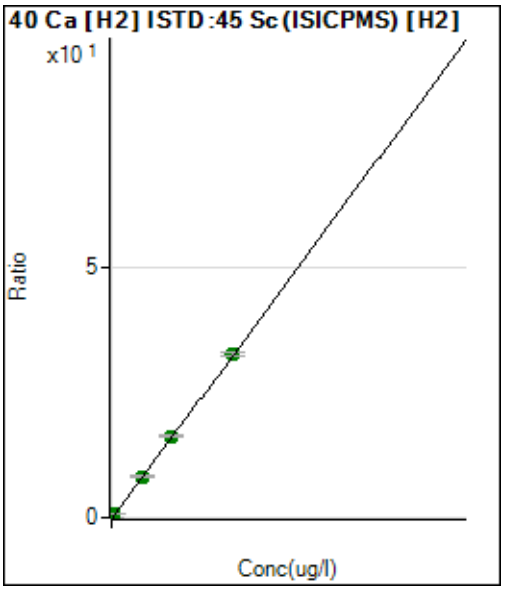


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3578.27	0.0765	P	2.7	
2	☐	200.000	197.999	5835.71	0.1241	P	0.8	-1.0
3	☐	1000.000	1003.934	14764.59	0.3179	P	0.6	0.4
4	☐	12500.000	12518.553	144145.51	3.0869	P	1.0	0.1
5	☐	25000.000	24774.814	279608.69	6.0343	P	1.7	-0.9
6	☐	50000.000	50107.884	566216.78	12.1263	P	0.8	0.2

y = 2.4048E-004 * x + 0.0765
R = 1.0000
DL = 26.12 ug/l
BEC = 318.2 ug/l

Weight: <None>
Min Conc: <None>

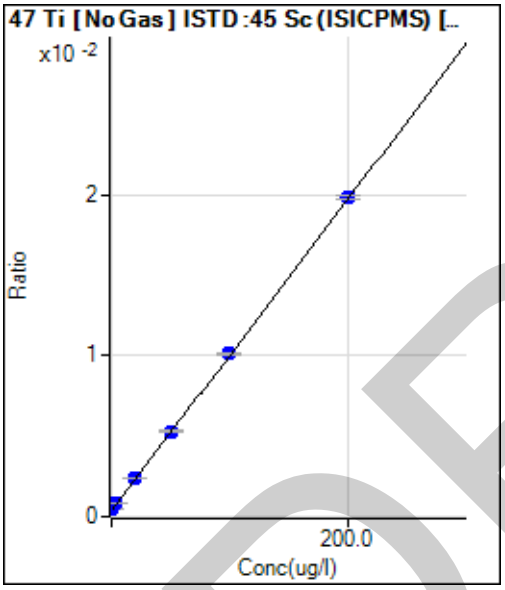
DRAFT



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	55326.82	0.0430	P	0.9	
2	☐	200.000	200.759	222611.66	0.1743	P	0.4	0.4
3	☐	1000.000	1008.088	890581.72	0.7023	A	1.8	0.8
4	☐	12500.000	12515.304	10458904.98	8.2280	A	2.0	0.1
5	☐	25000.000	25000.534	20828516.08	16.3933	A	1.2	0.0
6	☐	50000.000	49995.742	41431831.05	32.7402	A	1.7	0.0

y = 6.5400E-004 * x + 0.0430
R = 1.0000
DL = 1.847 ug/l
BEC = 65.73 ug/l

Weight: <None>
Min Conc: <None>

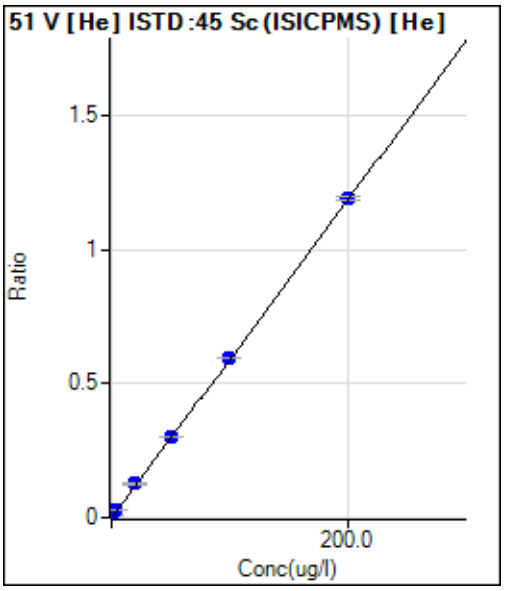


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2328.10	0.0005	P	3.6	
2	☐	4.000	4.108	4246.42	0.0009	P	1.9	2.7
3	☐	20.000	19.721	11628.74	0.0024	P	1.6	-1.4
4	☐	50.000	49.764	25529.11	0.0053	P	1.1	-0.5
5	☐	100.000	99.730	48770.66	0.0101	P	1.9	-0.3
6	☐	200.000	200.220	94514.92	0.0198	P	1.0	0.1

y = 9.6680E-005 * x + 4.8001E-004
R = 1.0000
DL = 0.5311 ug/l
BEC = 4.965 ug/l

Weight: <None>
Min Conc: <None>

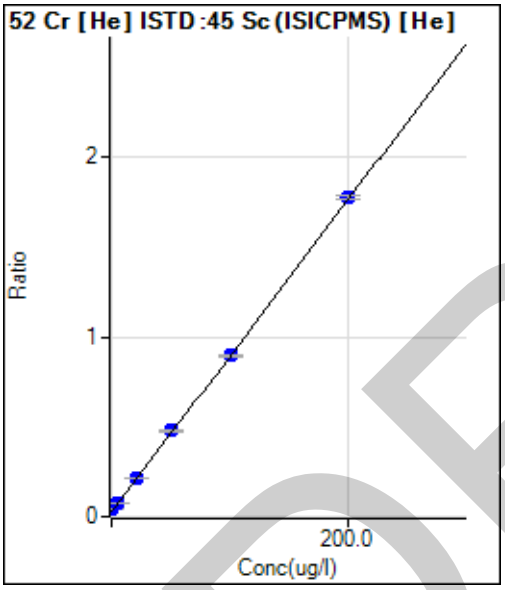
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	181.12	0.0039	P	9.0	
2	☐	4.000	4.139	1337.85	0.0285	P	1.7	3.5
3	☐	20.000	20.800	5914.64	0.1274	P	3.3	4.0
4	☐	50.000	50.528	14197.40	0.3040	P	0.6	1.1
5	☐	100.000	99.343	27526.50	0.5940	P	0.3	-0.7
6	☐	200.000	200.114	55688.11	1.1926	P	0.8	0.1

y = 0.0059 * x + 0.0039
R = 1.0000
DL = 0.1754 ug/l
BEC = 0.6521 ug/l

Weight: <None>
Min Conc: <None>

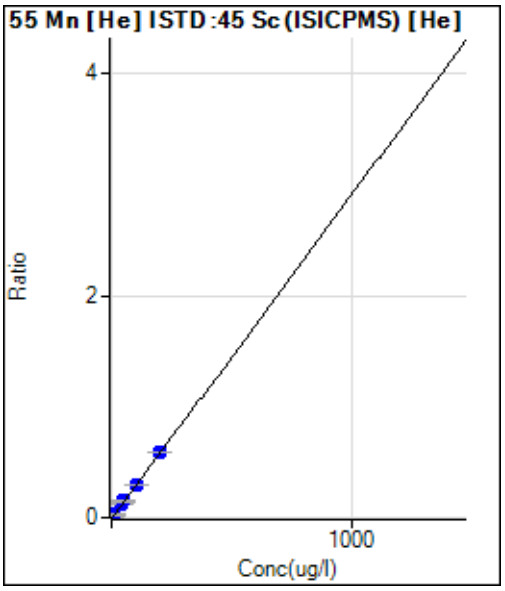


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1920.15	0.0411	P	4.3	
2	☐	4.000	4.034	3570.49	0.0760	P	2.3	0.9
3	☐	20.000	19.731	9826.90	0.2117	P	2.5	-1.3
4	☐	50.000	50.320	22240.28	0.4763	P	2.0	0.6
5	☐	100.000	98.703	41455.84	0.8947	P	1.1	-1.3
6	☐	200.000	200.595	82923.60	1.7759	P	1.7	0.3

y = 0.0086 * x + 0.0411
R = 1.0000
DL = 0.6075 ug/l
BEC = 4.748 ug/l

Weight: <None>
Min Conc: <None>

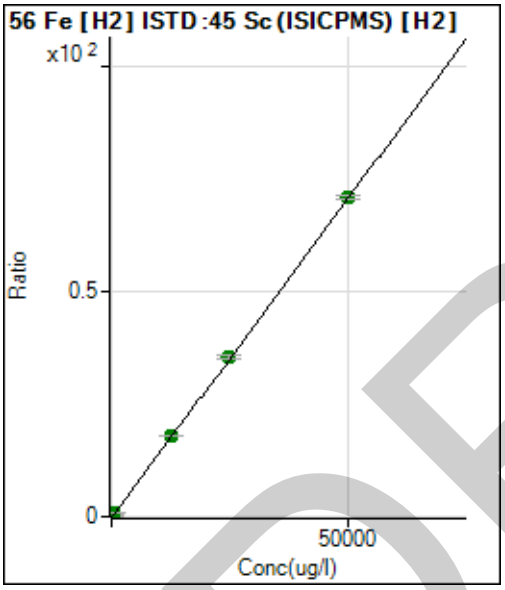
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	167.78	0.0036	P	13.3	
2	☐	8.000	7.857	1253.40	0.0267	P	9.2	-1.8
3	☐	40.000	39.812	5593.39	0.1205	P	2.6	-0.5
4	☐	50.000	49.580	6962.92	0.1492	P	3.6	-0.8
5	☐	100.000	101.325	13952.71	0.3011	P	0.6	1.3
6	☐	200.000	199.486	27515.44	0.5893	P	2.6	-0.3

y = 0.0029 * x + 0.0036
R = 1.0000
DL = 0.488 ug/l
BEC = 1.222 ug/l

Weight: <None>
Min Conc: <None>

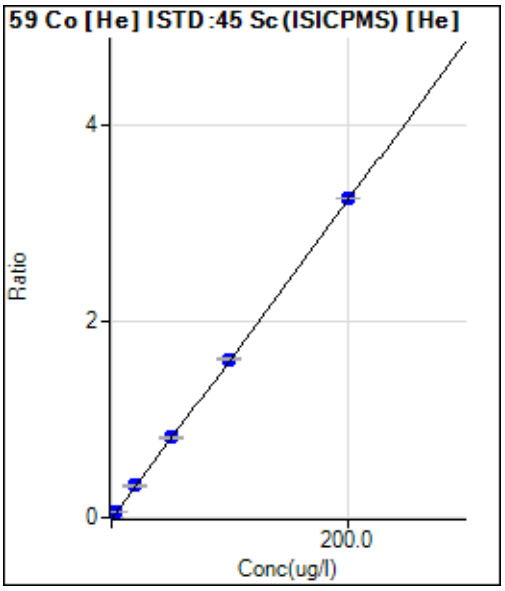


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	97078.88	0.0754	P	1.1	
2	☐	120.000	120.581	314973.30	0.2466	P	0.1	0.5
3	☐	600.000	602.292	1179930.04	0.9304	A	1.3	0.4
4	☐	12500.000	12560.887	22761232.16	17.9059	A	1.6	0.5
5	☐	25000.000	24999.647	45183272.10	35.5630	A	1.7	0.0
6	☐	50000.000	49984.926	89885910.88	71.0302	A	1.7	0.0

y = 0.0014 * x + 0.0754
R = 1.0000
DL = 1.792 ug/l
BEC = 53.13 ug/l

Weight: <None>
Min Conc: <None>

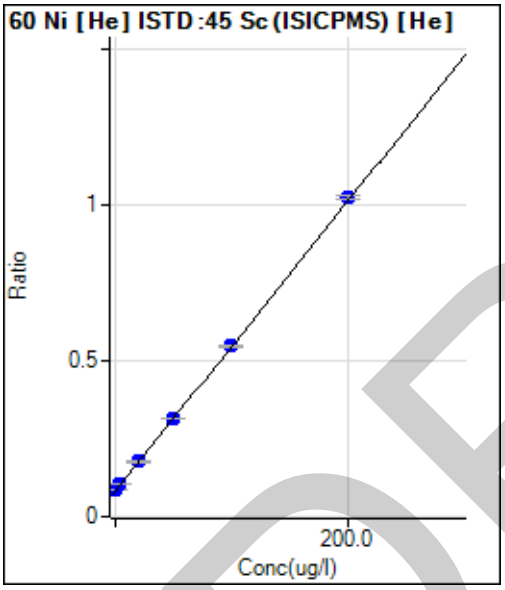
DRAFT



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	65.55	0.0014	P	38.8	
2	☐	4.000	3.929	3067.03	0.0652	P	1.5	-1.8
3	☐	20.000	19.942	15108.39	0.3254	P	1.4	-0.3
4	☐	50.000	50.207	38163.17	0.8172	P	1.3	0.4
5	☐	100.000	99.051	74639.09	1.6108	P	1.2	-0.9
6	☐	200.000	200.430	152137.57	3.2581	P	0.5	0.2

y = 0.0162 * x + 0.0014
R = 1.0000
DL = 0.1006 ug/l
BEC = 0.0863 ug/l

Weight: <None>
Min Conc: <None>

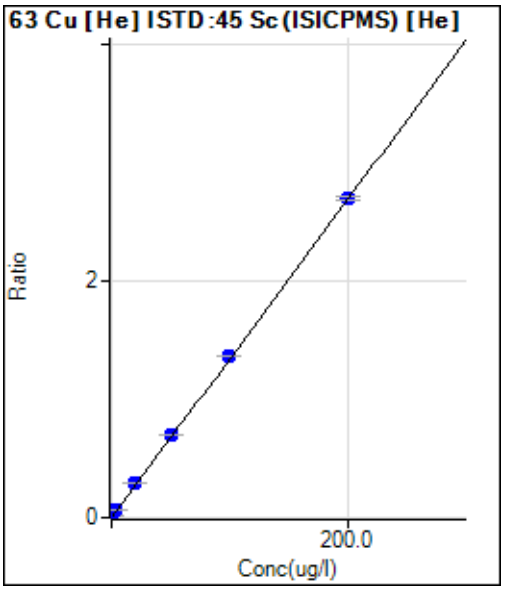


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3972.83	0.0850	P	2.1	
2	☐	4.000	3.853	4840.89	0.1030	P	1.7	-3.7
3	☐	20.000	19.812	8243.63	0.1776	P	2.7	-0.9
4	☐	50.000	49.274	14728.00	0.3154	P	0.7	-1.5
5	☐	100.000	98.825	25352.40	0.5470	P	0.8	-1.2
6	☐	200.000	200.791	47805.49	1.0238	P	0.8	0.4

y = 0.0047 * x + 0.0850
R = 1.0000
DL = 1.131 ug/l
BEC = 18.17 ug/l

Weight: <None>
Min Conc: <None>

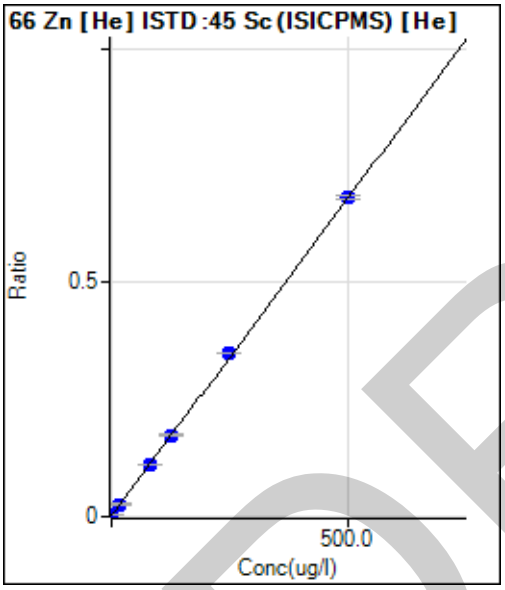
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	616.69	0.0132	P	1.0	
2	☐	4.000	4.027	3162.61	0.0673	P	2.1	0.7
3	☐	20.000	20.520	13407.76	0.2888	P	0.7	2.6
4	☐	50.000	50.850	32506.45	0.6961	P	0.7	1.7
5	☐	100.000	100.172	62953.45	1.3585	P	0.3	0.2
6	☐	200.000	199.649	125820.06	2.6945	P	0.9	-0.2

y = 0.0134 * x + 0.0132
R = 1.0000
DL = 0.03061 ug/l
BEC = 0.9819 ug/l

Weight: <None>
Min Conc: <None>

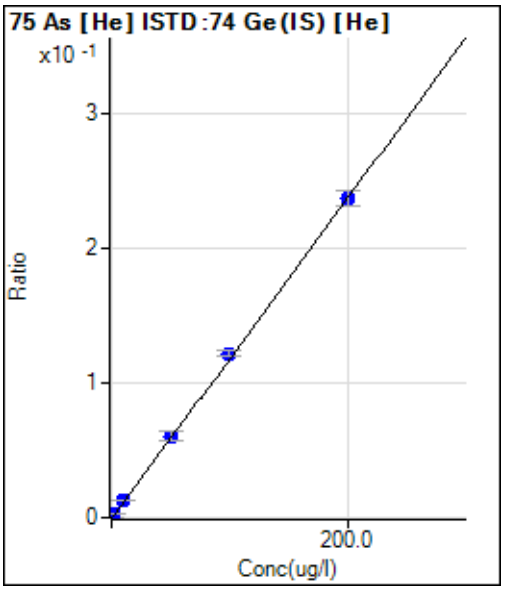


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	266.67	0.0057	P	3.5	
2	☐	16.000	15.347	1246.73	0.0265	P	4.9	-4.1
3	☐	80.000	77.412	5139.89	0.1107	P	2.6	-3.2
4	☐	125.000	123.949	8120.25	0.1739	P	1.6	-0.8
5	☐	250.000	253.503	16200.83	0.3496	P	1.1	1.4
6	☐	500.000	498.946	31875.03	0.6826	P	1.1	-0.2

y = 0.0014 * x + 0.0057
R = 0.9999
DL = 0.4463 ug/l
BEC = 4.203 ug/l

Weight: <None>
Min Conc: <None>

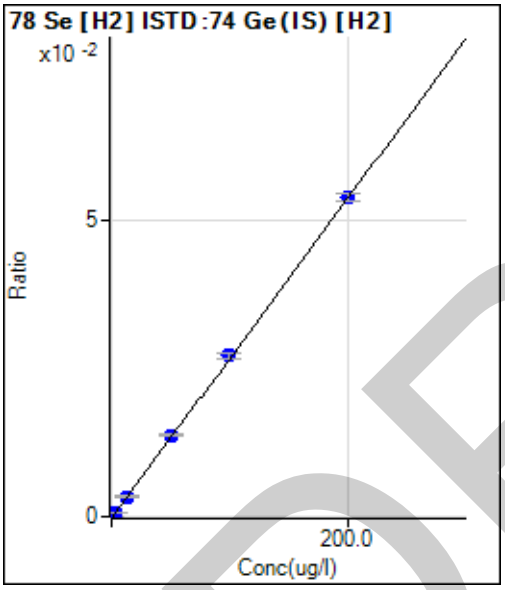
DRAFT



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	6.67	0.0002	P	50.3	
2	☐	2.000	2.267	81.11	0.0029	P	5.2	13.4
3	☐	10.000	10.663	345.56	0.0129	P	3.4	6.6
4	☐	50.000	50.604	1675.68	0.0605	P	11.7	1.2
5	☐	100.000	102.173	3341.54	0.1219	P	3.3	2.2
6	☐	200.000	198.727	6746.17	0.2369	P	4.8	-0.6

y = 0.0012 * x + 2.4499E-004
R = 0.9999
DL = 0.3107 ug/l
BEC = 0.2057 ug/l

Weight: <None>
Min Conc: <None>

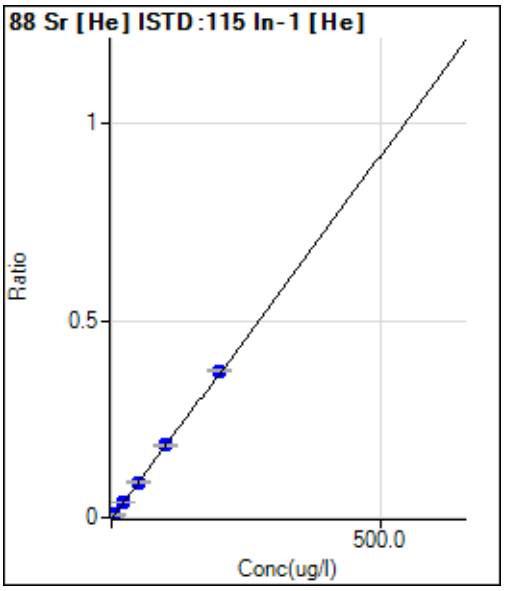


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	6.67	0.0000	P	50.0	
2	☐	2.500	2.640	170.00	0.0007	P	16.8	5.6
3	☐	12.500	12.143	756.70	0.0033	P	8.0	-2.9
4	☐	50.000	50.625	3182.62	0.0137	P	2.3	1.3
5	☐	100.000	100.533	6385.99	0.0272	P	2.8	0.5
6	☐	200.000	199.598	12759.43	0.0540	P	1.9	-0.2

y = 2.7048E-004 * x + 2.8834E-005
R = 1.0000
DL = 0.16 ug/l
BEC = 0.1066 ug/l

Weight: <None>
Min Conc: <None>

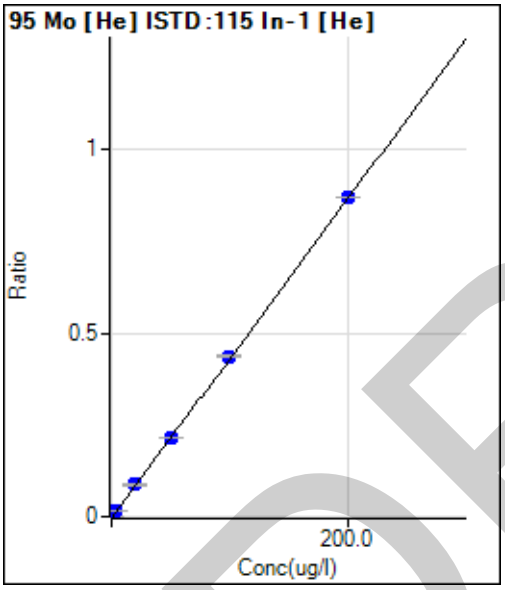
DRAFT



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	14.44	0.0002	P	57.1	
2	☐	4.000	3.856	451.12	0.0074	P	3.1	-3.6
3	☐	20.000	20.039	2243.54	0.0374	P	0.7	0.2
4	☐	50.000	48.087	5422.25	0.0893	P	3.3	-3.8
5	☐	100.000	99.227	10967.87	0.1841	P	1.5	-0.8
6	☐	200.000	200.864	22330.84	0.3725	P	1.3	0.4

y = 0.0019 * x + 2.3416E-004
R = 0.9999
DL = 0.2163 ug/l
BEC = 0.1264 ug/l

Weight: <None>
Min Conc: <None>

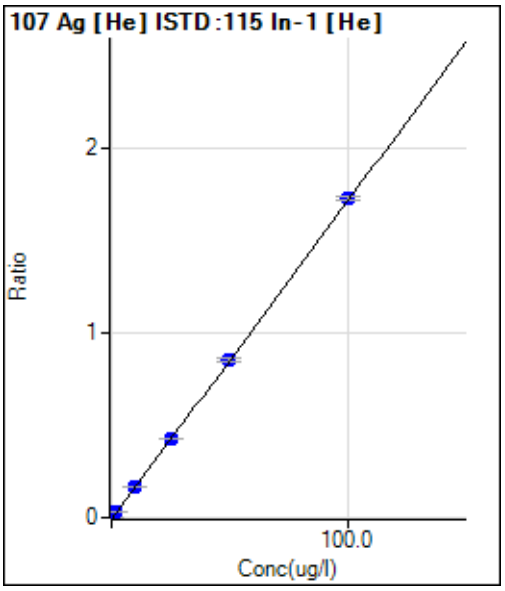


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	27.78	0.0005	P	37.4	
2	☐	4.000	3.917	1068.94	0.0175	P	1.8	-2.1
3	☐	20.000	20.095	5272.19	0.0879	P	6.9	0.5
4	☐	50.000	49.619	13127.62	0.2163	P	0.4	-0.8
5	☐	100.000	100.366	26038.73	0.4371	P	2.0	0.4
6	☐	200.000	199.904	52171.66	0.8702	P	0.3	0.0

y = 0.0044 * x + 4.5021E-004
R = 1.0000
DL = 0.1161 ug/l
BEC = 0.1035 ug/l

Weight: <None>
Min Conc: <None>

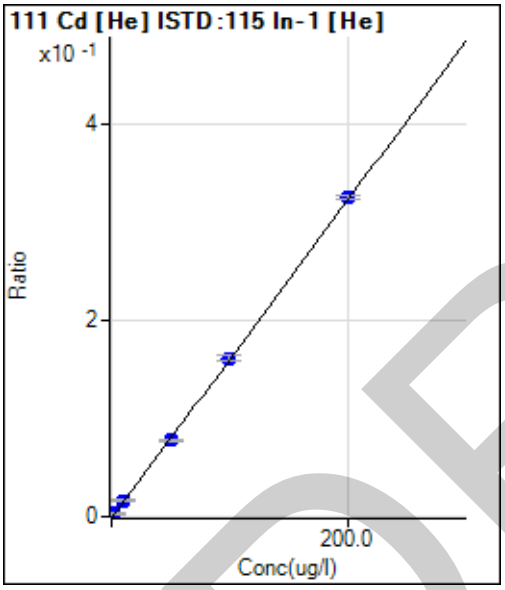
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	12.22	0.0002	P	31.0	
2	☐	2.000	1.948	2065.73	0.0338	P	5.1	-2.6
3	☐	10.000	9.810	10175.08	0.1695	P	1.8	-1.9
4	☐	25.000	24.670	25843.01	0.4259	P	0.8	-1.3
5	☐	50.000	49.536	50929.66	0.8549	P	1.4	-0.9
6	☐	100.000	100.335	103804.66	1.7315	P	0.6	0.3

y = 0.0173 * x + 1.9840E-004
R = 1.0000
DL = 0.01069 ug/l
BEC = 0.0115 ug/l

Weight: <None>
Min Conc: <None>

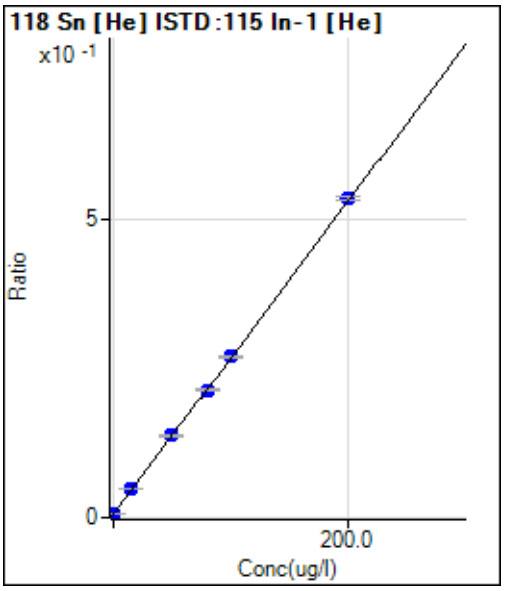


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	0.00	0.0000	P		
2	☐	2.000	1.876	185.56	0.0030	P	7.0	-6.2
3	☐	10.000	10.246	995.60	0.0166	P	2.9	2.5
4	☐	50.000	47.806	4694.20	0.0774	P	0.8	-4.4
5	☐	100.000	99.664	9606.87	0.1613	P	3.1	-0.3
6	☐	200.000	200.706	19469.96	0.3248	P	1.4	0.4

y = 0.0016 * x + 0.0000E+000
R = 0.9999
DL = 0 ug/l
BEC = 0 ug/l

Weight: <None>
Min Conc: <None>

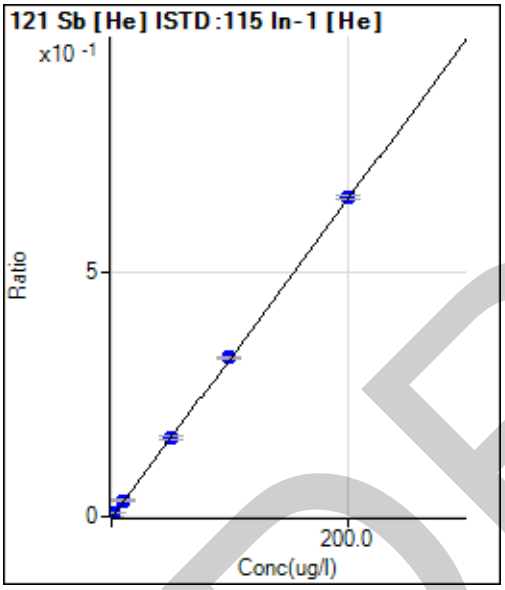
DRAFT



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	441.12	0.0072	P	2.0	
2	☐	16.000	15.857	2984.80	0.0488	P	3.1	-0.9
3	☐	80.000	78.711	12849.64	0.2141	P	1.7	-1.6
4	☐	50.000	49.423	8318.23	0.1371	P	2.0	-1.2
5	☐	100.000	99.817	16058.74	0.2696	P	0.8	-0.2
6	☐	200.000	200.763	32070.15	0.5349	P	0.9	0.4

y = 0.0026 * x + 0.0072
R = 1.0000
DL = 0.1648 ug/l
BEC = 2.726 ug/l

Weight: <None>
Min Conc: <None>

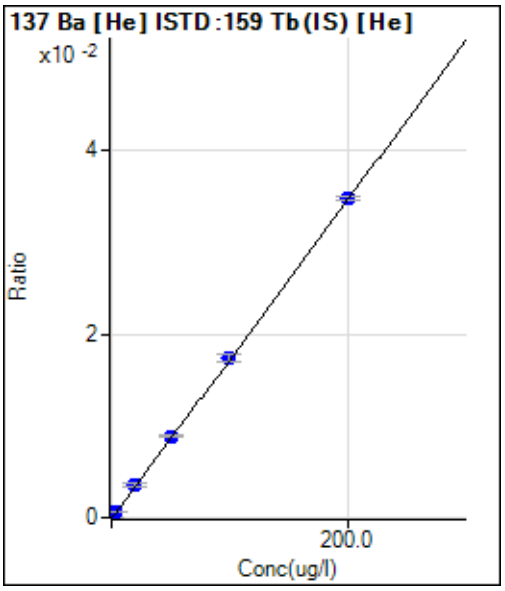


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	11.11	0.0002	P	75.0	
2	☐	2.000	1.971	404.45	0.0066	P	7.8	-1.5
3	☐	10.000	10.076	1987.94	0.0331	P	4.2	0.8
4	☐	50.000	49.329	9790.36	0.1613	P	3.6	-1.3
5	☐	100.000	99.777	19428.82	0.3262	P	1.5	-0.2
6	☐	200.000	200.276	39237.24	0.6545	P	1.2	0.1

y = 0.0033 * x + 1.8069E-004
R = 1.0000
DL = 0.1244 ug/l
BEC = 0.05531 ug/l

Weight: <None>
Min Conc: <None>

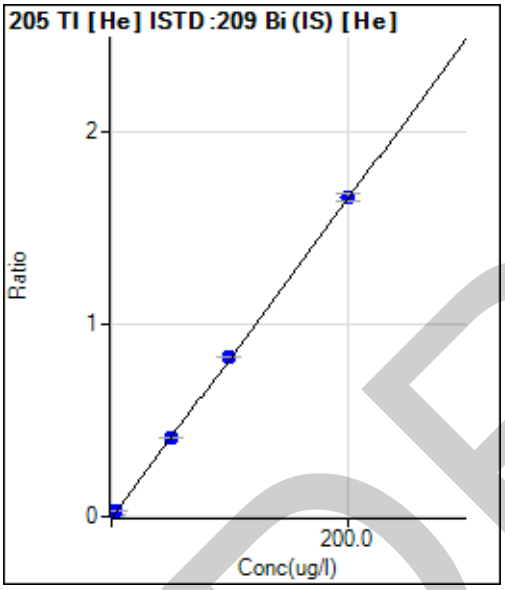
DRAFT



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.015	12.22	0.0000	P	57.2	
2	☐	4.000	3.585	222.23	0.0007	P	18.1	-10.4
3	☐	20.000	19.982	1177.84	0.0035	P	11.6	-0.1
4	☐	50.000	50.661	2971.47	0.0088	P	2.3	1.3
5	☐	100.000	99.824	5754.72	0.0174	P	4.8	-0.2
6	☐	200.000	199.933	11796.53	0.0348	P	1.5	0.0

y = 1.739335E-004 * x + 3.349993E-005
R = 1.0000
DL = 0.3569 ug/l
BEC = 0.1926 ug/l

Weight: <None>
Min Conc: <None>

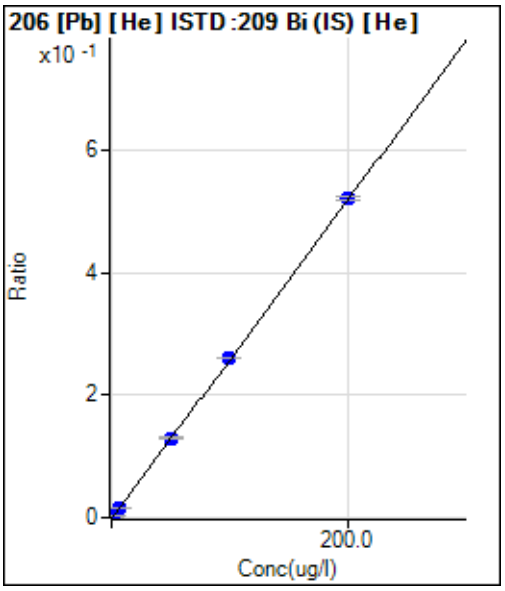


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	196.67	0.0008	P	6.0	
2	☐	0.800	0.837	1991.28	0.0077	P	2.7	4.7
3	☐	4.000	3.910	8522.95	0.0332	P	1.2	-2.2
4	☐	50.000	49.200	103117.14	0.4094	P	1.7	-1.6
5	☐	100.000	100.261	205427.72	0.8334	P	0.6	0.3
6	☐	200.000	200.071	409909.43	1.6623	P	2.2	0.0

y = 0.0083 * x + 7.6226E-004
R = 1.0000
DL = 0.01642 ug/l
BEC = 0.09179 ug/l

Weight: <None>
Min Conc: <None>

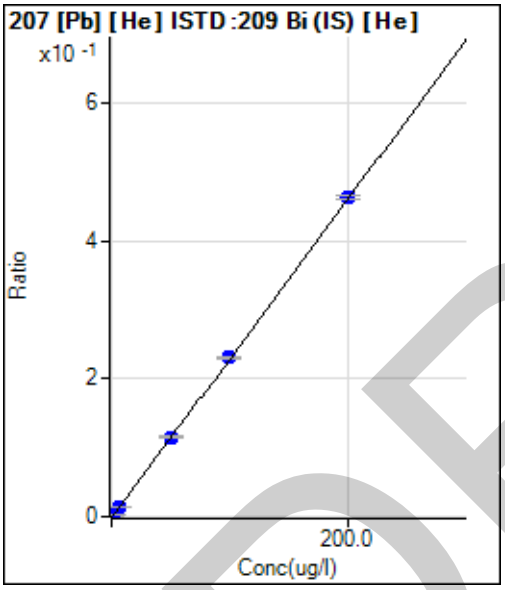
DRAFT



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	136.67	0.0005	P	14.6	
2	☐	1.200	1.176	926.71	0.0036	P	3.7	-2.0
3	☐	6.000	5.918	4087.36	0.0159	P	0.5	-1.4
4	☐	50.000	49.723	32751.87	0.1300	P	0.9	-0.6
5	☐	100.000	99.907	64254.57	0.2607	P	0.8	-0.1
6	☐	200.000	200.119	128642.00	0.5216	P	1.4	0.1

y = 0.0026 * x + 5.2968E-004
R = 1.0000
DL = 0.08929 ug/l
BEC = 0.2034 ug/l

Weight: <None>
Min Conc: <None>

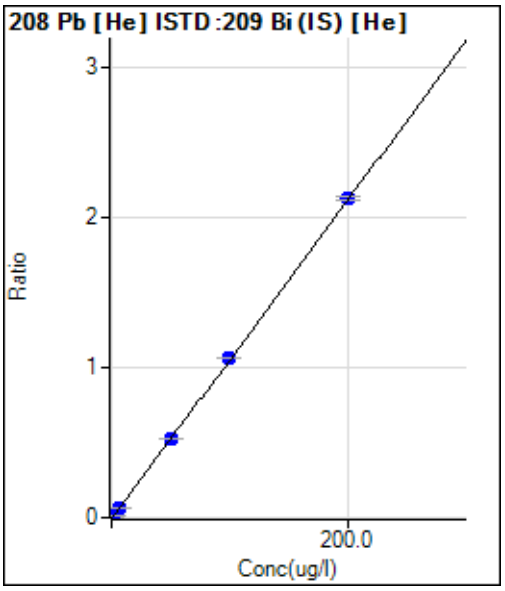


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	98.89	0.0004	P	14.1	
2	☐	1.200	1.223	828.92	0.0032	P	6.4	1.9
3	☐	6.000	5.841	3563.86	0.0139	P	0.8	-2.7
4	☐	50.000	49.856	29156.33	0.1157	P	1.8	-0.3
5	☐	100.000	99.517	56853.42	0.2307	P	0.3	-0.5
6	☐	200.000	200.282	114379.52	0.4638	P	1.4	0.1

y = 0.0023 * x + 3.8327E-004
R = 1.0000
DL = 0.06997 ug/l
BEC = 0.1656 ug/l

Weight: <None>
Min Conc: <None>

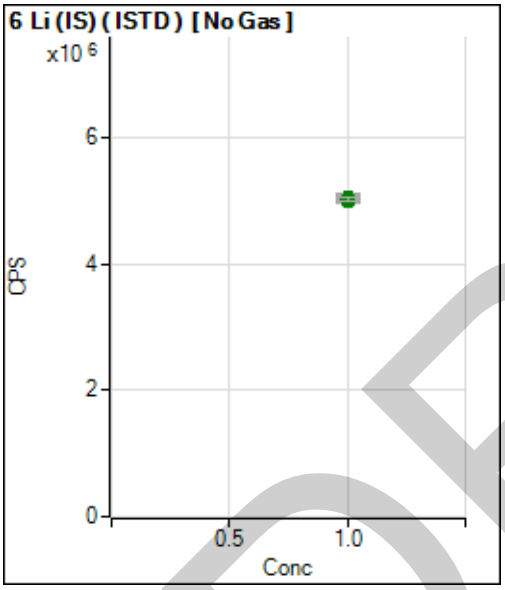
DRAFT



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	482.23	0.0019	P	8.0	
2	☐	1.200	1.176	3709.13	0.0144	P	2.4	-2.0
3	☐	6.000	5.987	16800.19	0.0655	P	1.4	-0.2
4	☐	50.000	49.694	133541.85	0.5301	P	0.8	-0.6
5	☐	100.000	99.841	262068.70	1.0632	P	0.3	-0.2
6	☐	200.000	200.157	525173.52	2.1296	P	1.3	0.1

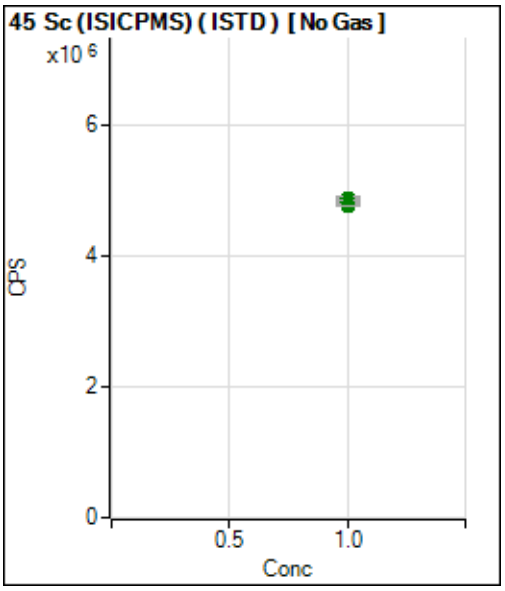
y = 0.0106 * x + 0.0019
R = 1.0000
DL = 0.04221 ug/l
BEC = 0.1758 ug/l

Weight: <None>
Min Conc: <None>

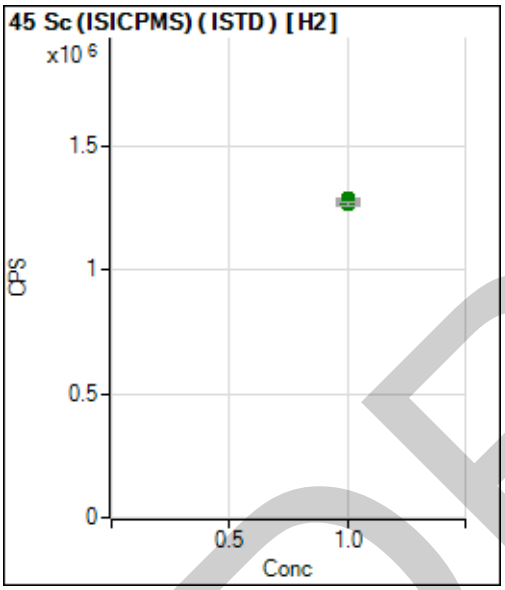


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		5048419.51		A	0.9	
2	☐	1.000		5056393.88		A	1.3	
3	☐	1.000		5059748.64		A	2.3	
4	☐	1.000		4994217.91		A	1.2	
5	☐	1.000		4998175.90		A	1.3	
6	☐	1.000		5023924.09		A	1.3	

DRAFT

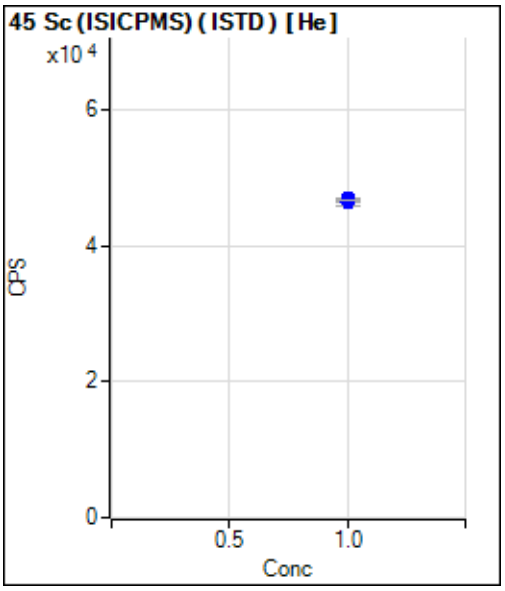


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		4850282.25		A	1.5	
2	☐	1.000		4840719.06		A	0.2	
3	☐	1.000		4872917.46		A	1.6	
4	☐	1.000		4825032.29		A	0.5	
5	☐	1.000		4819168.64		A	1.4	
6	☐	1.000		4764500.90		A	0.2	

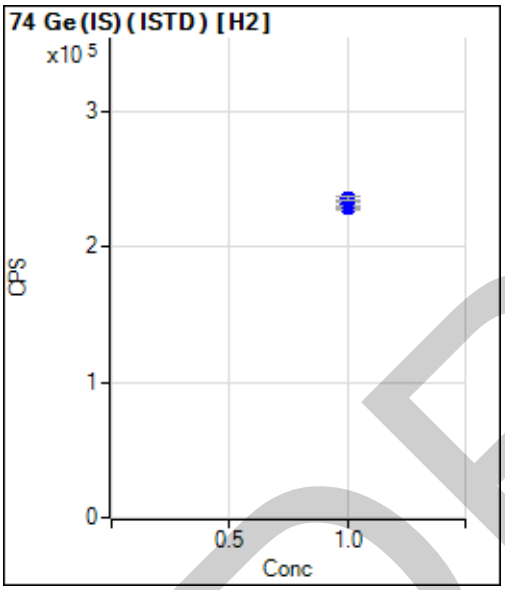


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		1287080.72		A	0.5	
2	☐	1.000		1277315.87		A	0.5	
3	☐	1.000		1268398.71		A	1.7	
4	☐	1.000		1271257.92		A	0.7	
5	☐	1.000		1270658.84		A	1.2	
6	☐	1.000		1265633.72		A	1.2	

DRAFT

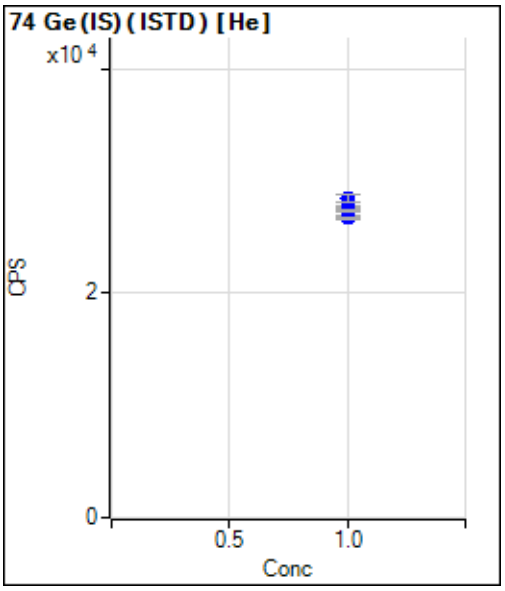


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		46765.74		P	0.7	
2	☐	1.000		47009.94		P	0.4	
3	☐	1.000		46434.68		P	2.1	
4	☐	1.000		46700.09		P	1.6	
5	☐	1.000		46341.06		P	1.5	
6	☐	1.000		46694.35		P	0.4	

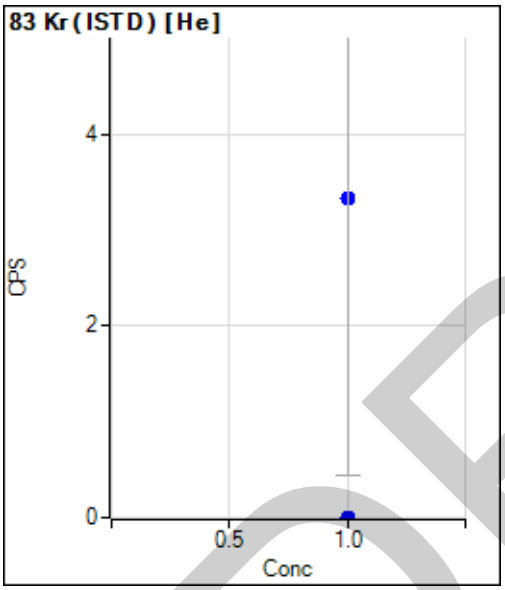


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		231216.74		P	0.0	
2	☐	1.000		228853.66		P	0.2	
3	☐	1.000		228424.82		P	1.0	
4	☐	1.000		231970.78		P	1.0	
5	☐	1.000		234609.37		P	0.3	
6	☐	1.000		236238.36		P	1.0	

DRAFT

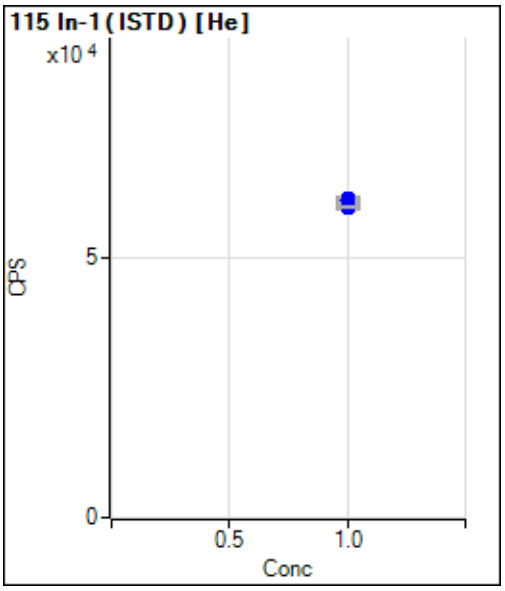


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		27321.82		P	2.4	
2	☐	1.000		27529.17		P	1.2	
3	☐	1.000		26693.68		P	1.1	
4	☐	1.000		27686.33		P	0.3	
5	☐	1.000		27408.91		P	1.0	
6	☐	1.000		28492.04		P	2.7	

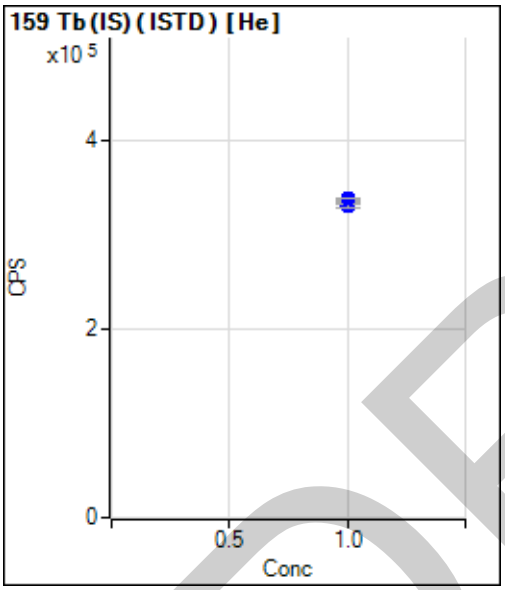


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		0.00		P		
2	☐	1.000		0.00		P		
3	☐	1.000		3.34		P	173.2	
4	☐	1.000		0.00		P		
5	☐	1.000		0.00		P		
6	☐	1.000		0.00		P		

DRAFT

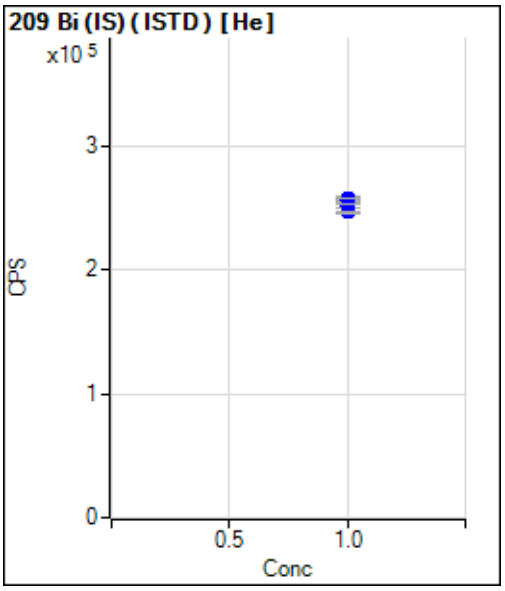


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		61558.46		P	1.7	
2	☐	1.000		61107.79		P	1.0	
3	☐	1.000		60032.69		P	1.8	
4	☐	1.000		60681.88		P	0.8	
5	☐	1.000		59573.75		P	0.9	
6	☐	1.000		59952.60		P	0.7	



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		338695.96		P	0.5	
2	☐	1.000		337985.67		P	0.9	
3	☐	1.000		335683.91		P	0.7	
4	☐	1.000		335925.14		P	0.3	
5	☐	1.000		330727.27		P	0.7	
6	☐	1.000		338881.60		P	0.5	

DRAFT



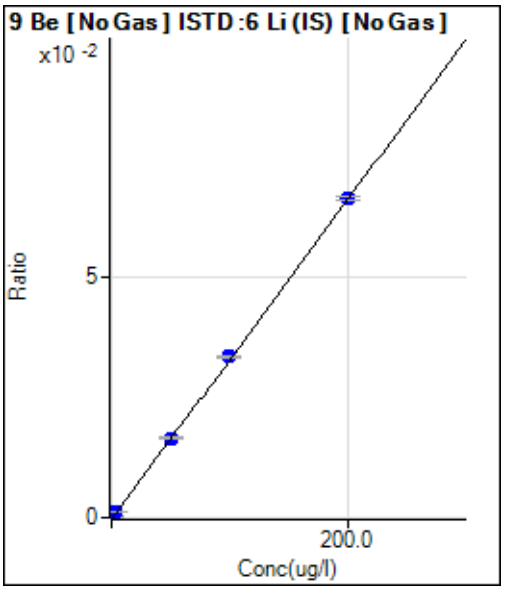
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		258024.89		P	0.2	
2	☐	1.000		258132.34		P	1.6	
3	☐	1.000		256417.98		P	0.8	
4	☐	1.000		251909.71		P	0.7	
5	☐	1.000		246487.55		P	1.0	
6	☐	1.000		246627.11		P	0.9	

DRAFT

Batch Folder: D:\Agilent\ICPMH\1\DATA\NM070924A.b\
Analysis File: NM070924A.batch.bin
DA Date-Time: 2024-07-09 11:51:29
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	IC CAL-Blk	2024-07-09 11:01:19
2	005CALS.d	IC CAL1	2024-07-09 11:04:22
3	006CALS.d	IC CAL2	2024-07-09 11:07:02
4	007CALS.d	IC CAL3	2024-07-09 11:09:44
5	008CALS.d	IC CAL4	2024-07-09 11:12:24
6	009CALS.d	IC CAL5	2024-07-09 11:15:05

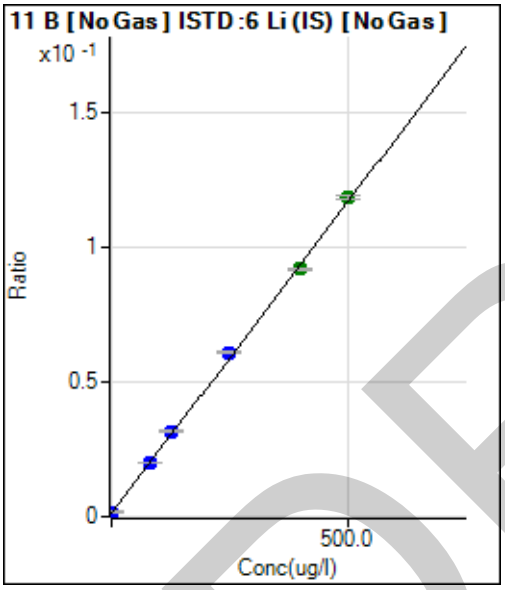
DRAFT



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	14.44	0.0000	P	34.2	
2	☐	0.800	0.788	2451.34	0.0003	P	2.0	-1.5
3	☐	4.000	3.845	12055.24	0.0013	P	2.2	-3.9
4	☐	50.000	49.696	154844.63	0.0165	P	1.4	-0.6
5	☐	100.000	100.738	314585.70	0.0335	P	0.8	0.7
6	☐	200.000	199.710	622203.21	0.0664	P	1.6	-0.1

y = 3.3255E-004 * x + 1.5309E-006
R = 1.0000
DL = 0.004729 ug/l
BEC = 0.004604 ug/l

Weight: <None>
Min Conc: <None>

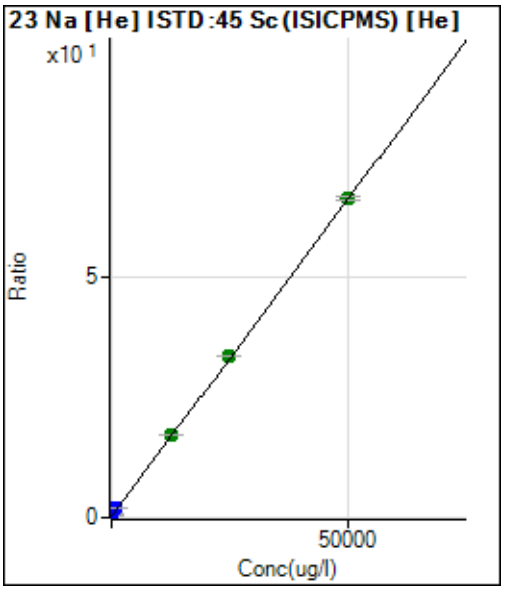


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	16792.32	0.0018	P	3.1	
2	☐	80.000	78.481	185475.33	0.0200	P	1.4	-1.9
3	☐	400.000	389.374	865527.89	0.0919	A	1.0	-2.7
4	☐	125.000	129.428	297420.48	0.0317	P	0.9	3.5
5	☐	250.000	256.004	573200.97	0.0610	P	0.9	2.4
6	☐	500.000	504.635	1111250.56	0.1186	A	1.3	0.9

y = 2.3149E-004 * x + 0.0018
R = 0.9995
DL = 0.719 ug/l
BEC = 7.706 ug/l

Weight: <None>
Min Conc: <None>

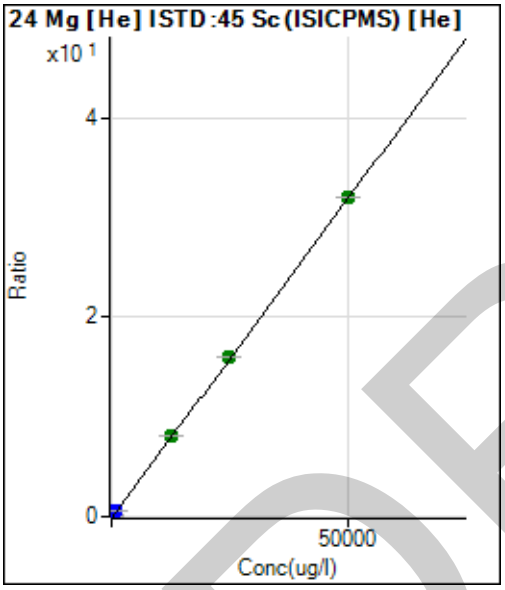
DRAFT



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	63252.00	0.5891	P	1.0	
2	☐	200.000	205.816	92957.65	0.8604	P	0.6	2.9
3	☐	1000.000	1031.009	208396.39	1.9483	P	0.9	3.1
4	☐	12500.000	12618.170	1861013.25	17.2241	A	1.6	0.9
5	☐	25000.000	25067.852	3662916.05	33.6369	A	0.4	0.3
6	☐	50000.000	49935.888	7158830.38	66.4214	A	1.6	-0.1

y = 0.0013 * x + 0.5891
R = 1.0000
DL = 13.69 ug/l
BEC = 446.8 ug/l

Weight: <None>
Min Conc: <None>

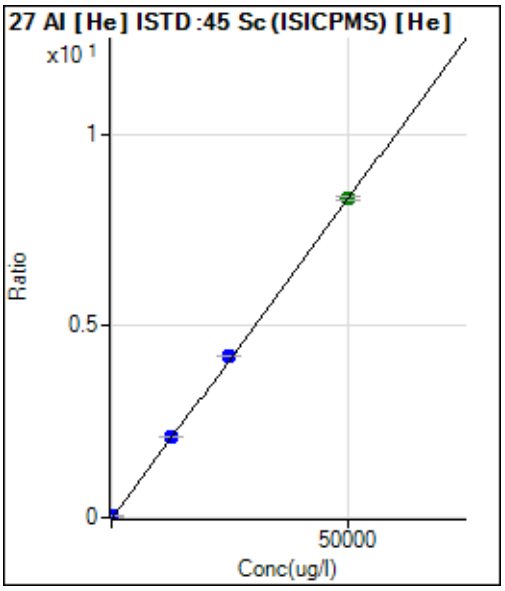


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	277.78	0.0026	P	7.5	
2	☐	200.000	206.110	14544.32	0.1346	P	0.9	3.1
3	☐	1000.000	1029.556	70821.54	0.6621	P	1.4	3.0
4	☐	12500.000	12589.411	871676.18	8.0674	A	1.0	0.7
5	☐	25000.000	25010.207	1744952.63	16.0241	A	0.1	0.0
6	☐	50000.000	49971.928	3450645.09	32.0146	A	0.5	-0.1

y = 6.4060E-004 * x + 0.0026
R = 1.0000
DL = 0.9082 ug/l
BEC = 4.039 ug/l

Weight: <None>
Min Conc: <None>

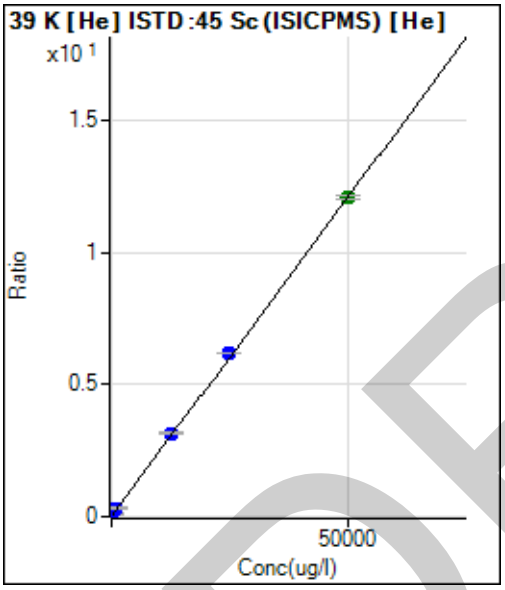
DRAFT



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	94.44	0.0009	P	23.1	
2	☐	40.000	40.919	833.37	0.0077	P	1.3	2.3
3	☐	200.000	213.074	3900.57	0.0365	P	2.3	6.5
4	☐	12500.000	12625.169	227915.85	2.1094	P	1.2	1.0
5	☐	25000.000	25203.182	458444.40	4.2100	P	0.4	0.8
6	☐	50000.000	49867.064	897735.55	8.3290	A	0.7	-0.3

y = 1.6701E-004 * x + 8.7970E-004
R = 1.0000
DL = 3.656 ug/l
BEC = 5.267 ug/l

Weight: <None>
Min Conc: <None>

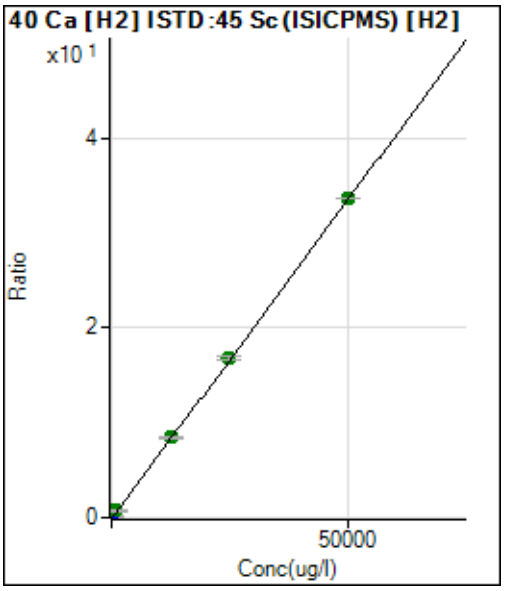


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	8488.21	0.0791	P	1.2	
2	☐	200.000	202.536	13818.05	0.1279	P	2.7	1.3
3	☐	1000.000	1027.479	34964.97	0.3269	P	2.0	2.7
4	☐	12500.000	12781.496	341676.71	3.1622	P	0.9	2.3
5	☐	25000.000	25335.715	674112.10	6.1904	P	0.6	1.3
6	☐	50000.000	49761.209	1302270.58	12.0823	A	0.7	-0.5

y = 2.4122E-004 * x + 0.0791
R = 0.9999
DL = 11.5 ug/l
BEC = 327.7 ug/l

Weight: <None>
Min Conc: <None>

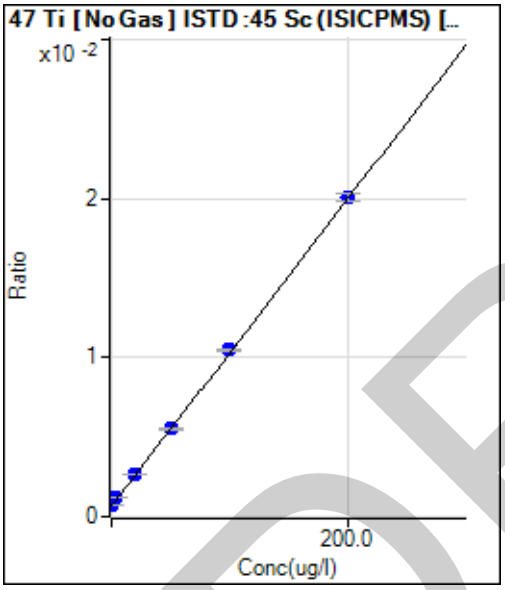
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	86658.85	0.0327	P	1.1	
2	☐	200.000	207.369	455527.66	0.1721	P	0.5	3.7
3	☐	1000.000	1011.196	1910936.39	0.7125	A	1.9	1.1
4	☐	12500.000	12492.099	22830172.16	8.4318	A	0.8	-0.1
5	☐	25000.000	25001.137	45627527.65	16.8424	A	2.6	0.0
6	☐	50000.000	50001.154	89696860.88	33.6513	A	0.3	0.0

y = 6.7236E-004 * x + 0.0327
R = 1.0000
DL = 1.55 ug/l
BEC = 48.58 ug/l

Weight: <None>
Min Conc: <None>

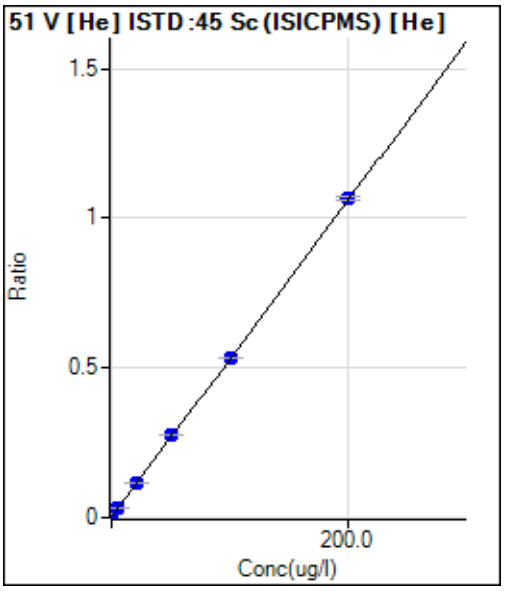


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	5323.31	0.0008	P	3.3	
2	☐	4.000	4.177	7976.81	0.0012	P	1.5	4.4
3	☐	20.000	19.998	18739.60	0.0027	P	0.5	0.0
4	☐	50.000	49.323	38461.76	0.0055	P	1.3	-1.4
5	☐	100.000	100.439	72899.72	0.0105	P	1.9	0.4
6	☐	200.000	199.946	139971.98	0.0201	P	2.4	0.0

y = 9.6636E-005 * x + 7.6386E-004
R = 1.0000
DL = 0.7863 ug/l
BEC = 7.905 ug/l

Weight: <None>
Min Conc: <None>

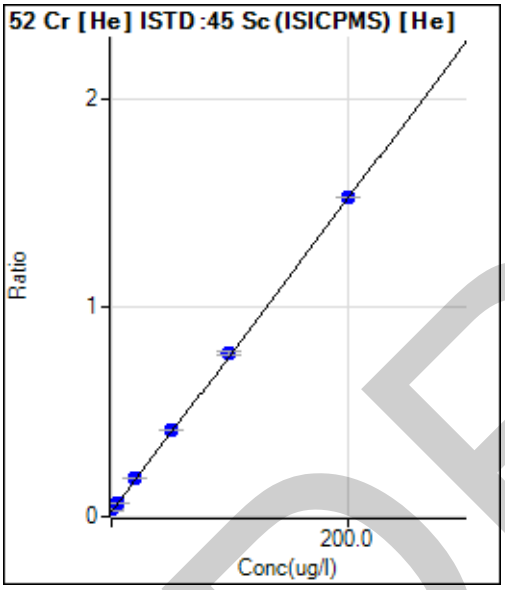
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1106.72	0.0103	P	8.4	
2	☐	4.000	4.028	3410.45	0.0316	P	3.3	0.7
3	☐	20.000	19.741	12247.74	0.1145	P	1.0	-1.3
4	☐	50.000	50.714	30037.32	0.2780	P	1.0	1.4
5	☐	100.000	99.143	58107.83	0.5336	P	1.2	-0.9
6	☐	200.000	200.276	115048.31	1.0674	P	1.1	0.1

y = 0.0053 * x + 0.0103
R = 1.0000
DL = 0.4895 ug/l
BEC = 1.952 ug/l

Weight: <None>
Min Conc: <None>

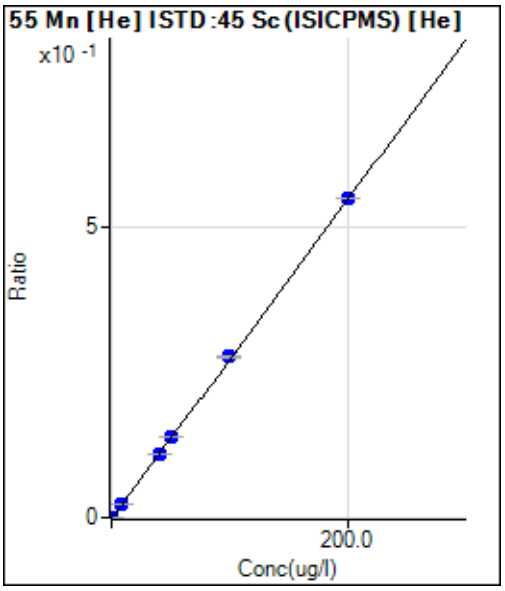


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3504.92	0.0326	P	7.7	
2	☐	4.000	3.874	6657.20	0.0616	P	0.7	-3.1
3	☐	20.000	19.972	19471.68	0.1820	P	2.2	-0.1
4	☐	50.000	50.779	44568.94	0.4125	P	0.2	1.6
5	☐	100.000	100.122	85108.35	0.7816	P	2.2	0.1
6	☐	200.000	199.750	164563.50	1.5268	P	0.4	-0.1

y = 0.0075 * x + 0.0326
R = 1.0000
DL = 1.012 ug/l
BEC = 4.363 ug/l

Weight: <None>
Min Conc: <None>

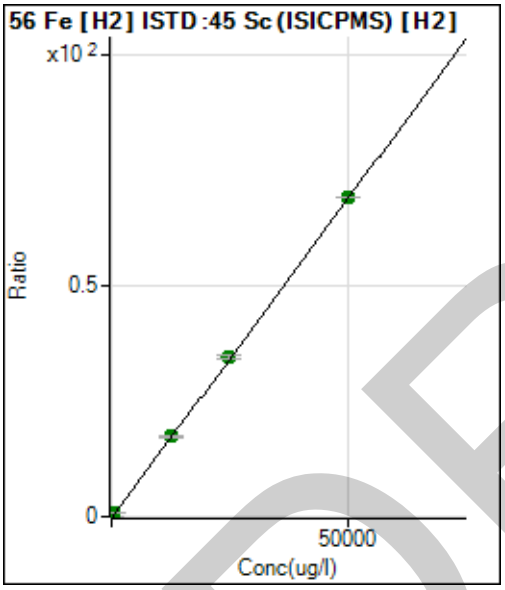
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	87.78	0.0008	P	23.2	
2	☐	8.000	8.202	2525.81	0.0234	P	5.4	2.5
3	☐	40.000	39.842	11809.61	0.1104	P	1.1	-0.4
4	☐	50.000	50.685	15152.90	0.1402	P	0.3	1.4
5	☐	100.000	100.304	30133.23	0.2767	P	1.5	0.3
6	☐	200.000	199.700	59293.75	0.5501	P	0.3	-0.1

y = 0.0028 * x + 8.1740E-004
R = 1.0000
DL = 0.2069 ug/l
BEC = 0.2972 ug/l

Weight: <None>
Min Conc: <None>

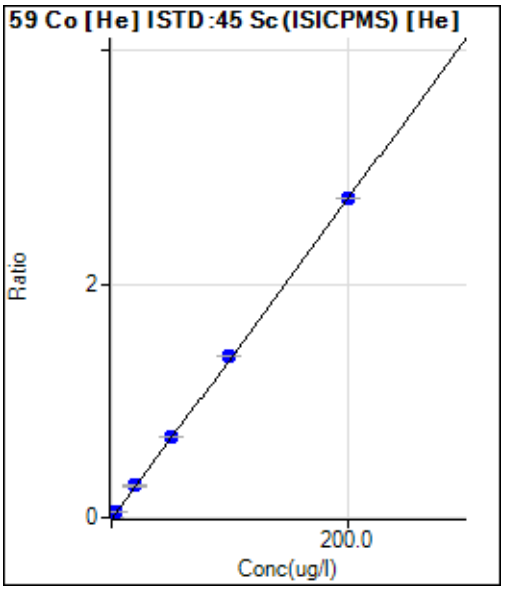


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	90244.23	0.0340	P	0.6	
2	☐	120.000	122.764	540350.60	0.2041	P	0.2	2.3
3	☐	600.000	608.664	2353212.33	0.8774	A	1.0	1.4
4	☐	12500.000	12529.793	47103450.97	17.3967	A	1.1	0.2
5	☐	25000.000	25002.515	93952450.82	34.6802	A	2.3	0.0
6	☐	50000.000	49991.184	184736832.80	69.3072	A	0.3	0.0

y = 0.0014 * x + 0.0340
R = 1.0000
DL = 0.4427 ug/l
BEC = 24.54 ug/l

Weight: <None>
Min Conc: <None>

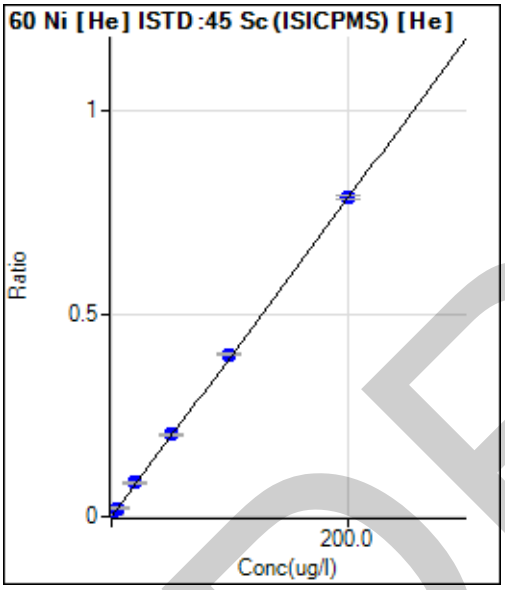
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	75.56	0.0007	P	22.7	
2	☐	4.000	4.047	6072.51	0.0562	P	1.1	1.2
3	☐	20.000	19.910	29284.75	0.2738	P	1.8	-0.4
4	☐	50.000	50.620	75092.51	0.6950	P	0.2	1.2
5	☐	100.000	100.952	150847.47	1.3853	P	0.2	1.0
6	☐	200.000	199.377	294808.53	2.7351	P	0.4	-0.3

y = 0.0137 * x + 7.0367E-004
R = 1.0000
DL = 0.03494 ug/l
BEC = 0.05131 ug/l

Weight: <None>
Min Conc: <None>

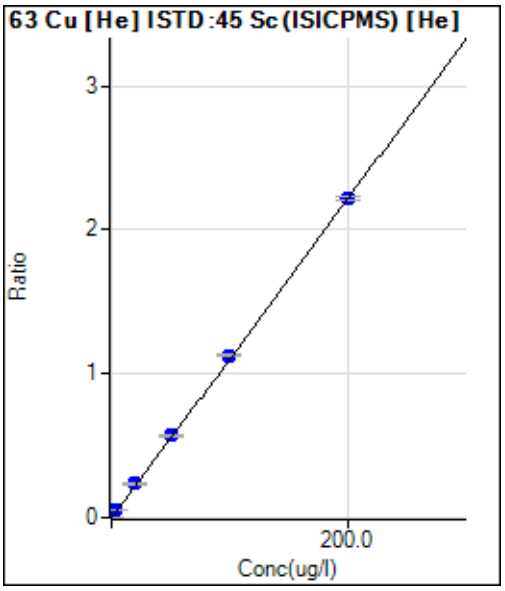


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	471.12	0.0044	P	6.2	
2	☐	4.000	4.132	2226.86	0.0206	P	7.9	3.3
3	☐	20.000	20.213	8961.88	0.0838	P	1.8	1.1
4	☐	50.000	50.376	21855.29	0.2023	P	1.1	0.8
5	☐	100.000	100.660	43531.45	0.3998	P	1.5	0.7
6	☐	200.000	199.552	84950.84	0.7882	P	0.9	-0.2

y = 0.0039 * x + 0.0044
R = 1.0000
DL = 0.2076 ug/l
BEC = 1.117 ug/l

Weight: <None>
Min Conc: <None>

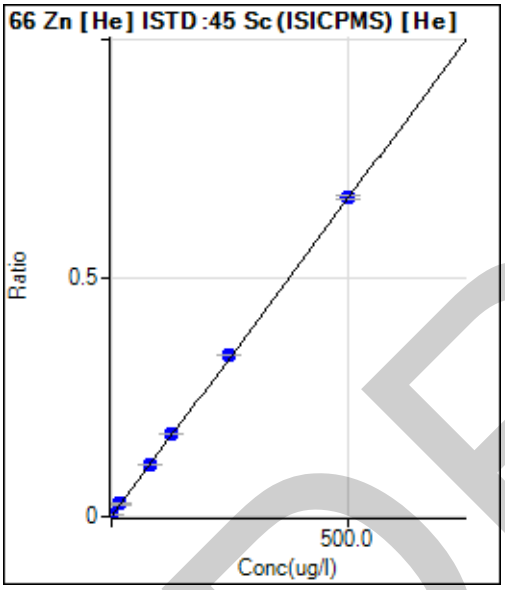
DRAFT



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	696.69	0.0065	P	5.0	
2	☐	4.000	4.083	5597.85	0.0518	P	3.0	2.1
3	☐	20.000	20.522	25063.06	0.2343	P	1.1	2.6
4	☐	50.000	50.821	61659.99	0.5707	P	1.1	1.6
5	☐	100.000	100.837	122607.71	1.1259	P	0.9	0.8
6	☐	200.000	199.322	239191.21	2.2192	P	1.6	-0.3

y = 0.0111 * x + 0.0065
R = 1.0000
DL = 0.08819 ug/l
BEC = 0.5844 ug/l

Weight: <None>
Min Conc: <None>

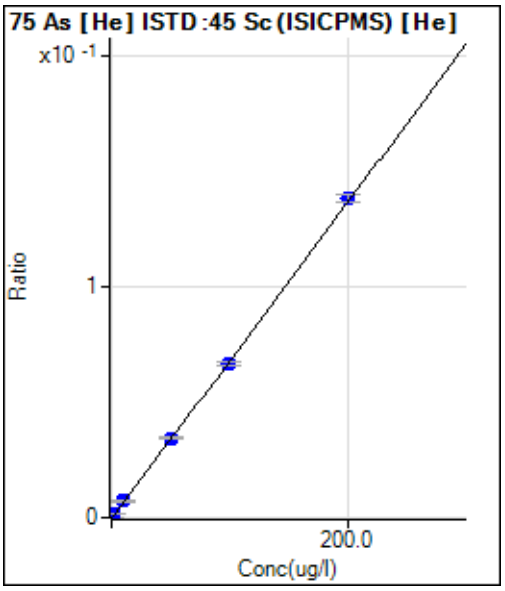


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	500.01	0.0047	P	11.4	
2	☐	16.000	16.390	2860.32	0.0265	P	5.2	2.4
3	☐	80.000	78.903	11734.00	0.1097	P	0.2	-1.4
4	☐	125.000	125.901	18613.91	0.1723	P	0.6	0.7
5	☐	250.000	250.742	36857.56	0.3385	P	0.5	0.3
6	☐	500.000	499.567	72183.98	0.6697	P	1.4	-0.1

y = 0.0013 * x + 0.0047
R = 1.0000
DL = 1.196 ug/l
BEC = 3.499 ug/l

Weight: <None>
Min Conc: <None>

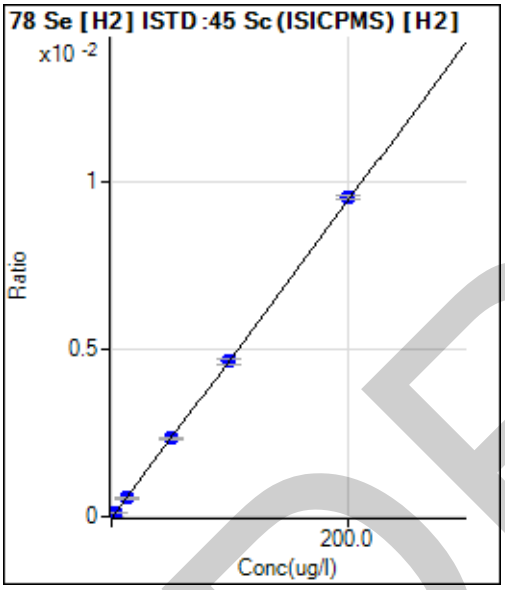
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	36.66	0.0003	P	41.3	
2	☐	2.000	1.952	181.12	0.0017	P	17.3	-2.4
3	☐	10.000	9.987	766.69	0.0072	P	3.9	-0.1
4	☐	50.000	49.845	3718.31	0.0344	P	1.8	-0.3
5	☐	100.000	97.062	7261.98	0.0667	P	2.8	-2.9
6	☐	200.000	201.509	14881.53	0.1381	P	2.8	0.8

y = 6.8354E-004 * x + 3.4109E-004
R = 0.9998
DL = 0.6181 ug/l
BEC = 0.499 ug/l

Weight: <None>
Min Conc: <None>

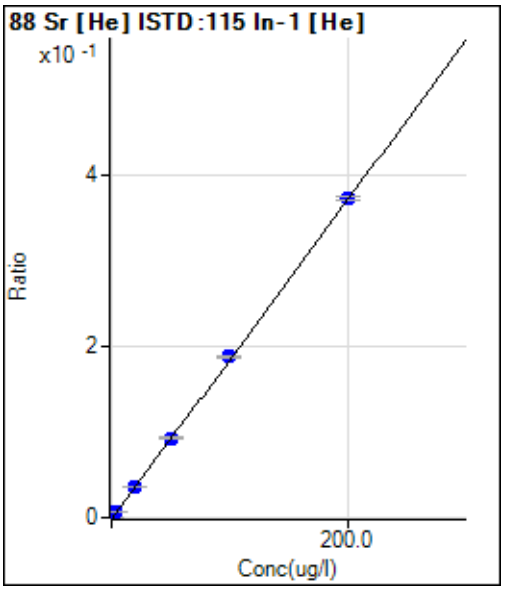


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	8.89	0.0000	P	77.4	
2	☐	2.500	2.296	296.67	0.0001	P	7.4	-8.1
3	☐	12.500	11.522	1472.31	0.0005	P	7.4	-7.8
4	☐	50.000	49.122	6307.07	0.0023	P	1.7	-1.8
5	☐	100.000	97.962	12575.93	0.0046	P	3.5	-2.0
6	☐	200.000	201.302	25417.29	0.0095	P	1.2	0.7

y = 4.7354E-005 * x + 3.3373E-006
R = 0.9999
DL = 0.1637 ug/l
BEC = 0.07048 ug/l

Weight: <None>
Min Conc: <None>

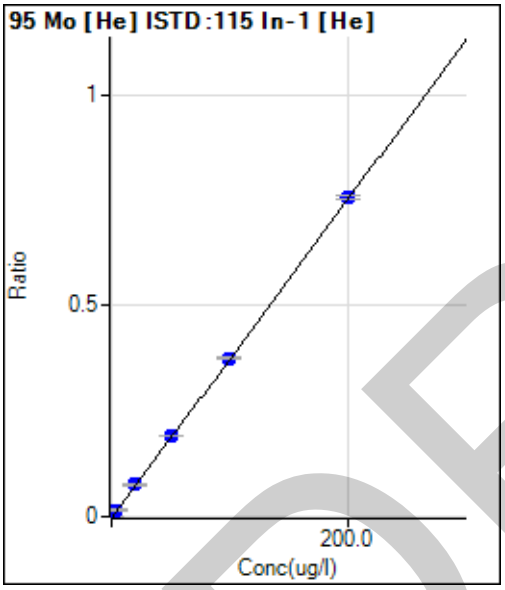
DRAFT



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	22.22	0.0002	P	23.3	
2	☐	4.000	3.846	907.82	0.0074	P	2.5	-3.9
3	☐	20.000	18.874	4384.08	0.0354	P	3.1	-5.6
4	☐	50.000	49.741	11551.74	0.0930	P	1.4	-0.5
5	☐	100.000	100.555	23127.77	0.1879	P	0.4	0.6
6	☐	200.000	199.903	45653.00	0.3733	P	1.5	0.0

y = 0.0019 * x + 1.7814E-004
R = 1.0000
DL = 0.06669 ug/l
BEC = 0.09543 ug/l

Weight: <None>
Min Conc: <None>

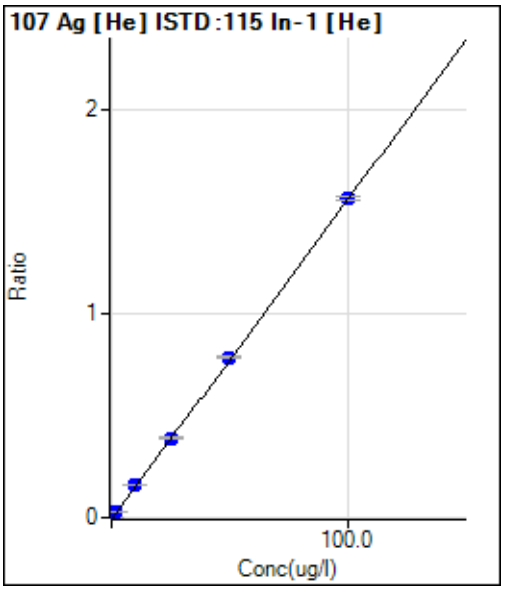


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	38.89	0.0003	P	13.9	
2	☐	4.000	4.044	1924.60	0.0156	P	7.5	1.1
3	☐	20.000	19.874	9339.99	0.0754	P	2.7	-0.6
4	☐	50.000	50.380	23686.71	0.1908	P	0.3	0.8
5	☐	100.000	99.181	46187.81	0.3752	P	1.6	-0.8
6	☐	200.000	200.326	92638.17	0.7576	P	1.7	0.2

y = 0.0038 * x + 3.1169E-004
R = 1.0000
DL = 0.03441 ug/l
BEC = 0.08246 ug/l

Weight: <None>
Min Conc: <None>

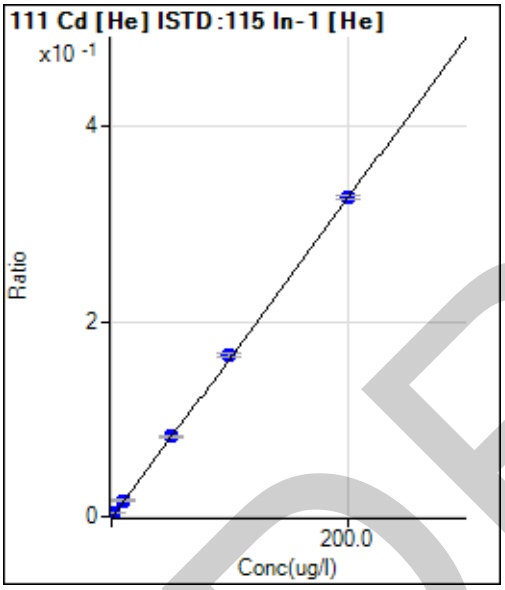
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	8.89	0.0001	P	94.2	
2	☐	2.000	2.026	3928.39	0.0318	P	2.6	1.3
3	☐	10.000	9.990	19398.81	0.1567	P	1.1	-0.1
4	☐	25.000	24.888	48453.34	0.3902	P	1.1	-0.4
5	☐	50.000	50.196	96866.96	0.7869	P	1.1	0.4
6	☐	100.000	99.930	191574.83	1.5665	P	0.8	-0.1

y = 0.0157 * x + 7.0811E-005
R = 1.0000
DL = 0.01276 ug/l
BEC = 0.004517 ug/l

Weight: <None>
Min Conc: <None>

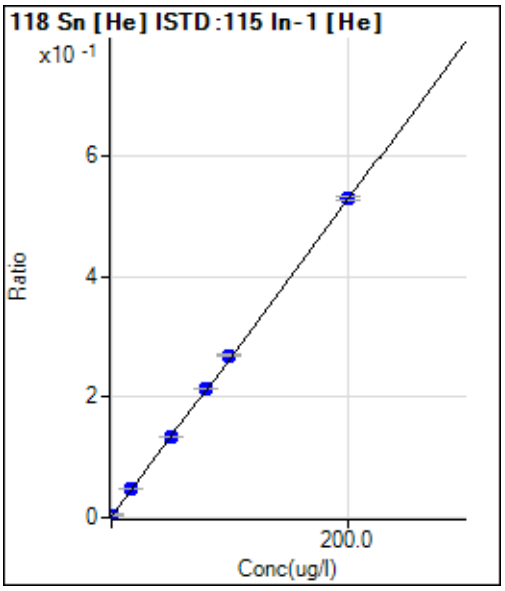


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	0.00	0.0000	P		
2	☐	2.000	2.062	417.79	0.0034	P	6.3	3.1
3	☐	10.000	10.138	2061.29	0.0166	P	3.6	1.4
4	☐	50.000	50.213	10237.37	0.0825	P	2.6	0.4
5	☐	100.000	100.875	20390.27	0.1656	P	1.5	0.9
6	☐	200.000	199.502	40064.08	0.3276	P	1.0	-0.2

y = 0.0016 * x + 0.0000E+000
R = 1.0000
DL = 0 ug/l
BEC = 0 ug/l

Weight: <None>
Min Conc: <None>

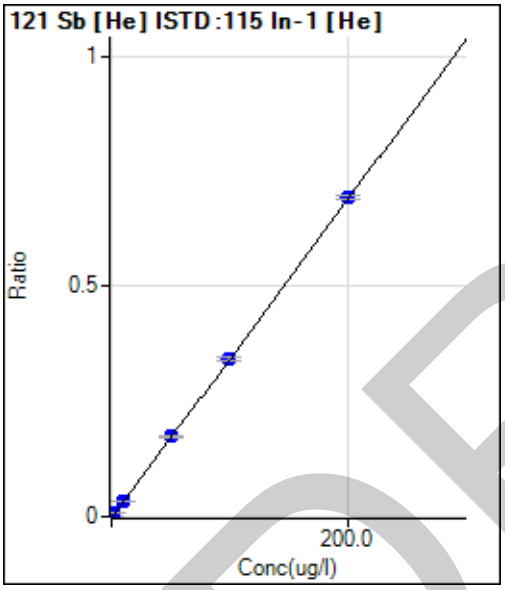
DRAFT



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	574.46	0.0046	P	12.9	
2	☐	16.000	16.305	5856.91	0.0475	P	1.9	1.9
3	☐	80.000	79.682	26503.49	0.2140	P	0.3	-0.4
4	☐	50.000	49.369	16684.01	0.1344	P	1.2	-1.3
5	☐	100.000	100.750	33166.32	0.2694	P	0.9	0.8
6	☐	200.000	199.885	64813.95	0.5300	P	1.0	-0.1

y = 0.0026 * x + 0.0046
R = 1.0000
DL = 0.6786 ug/l
BEC = 1.751 ug/l

Weight: <None>
Min Conc: <None>

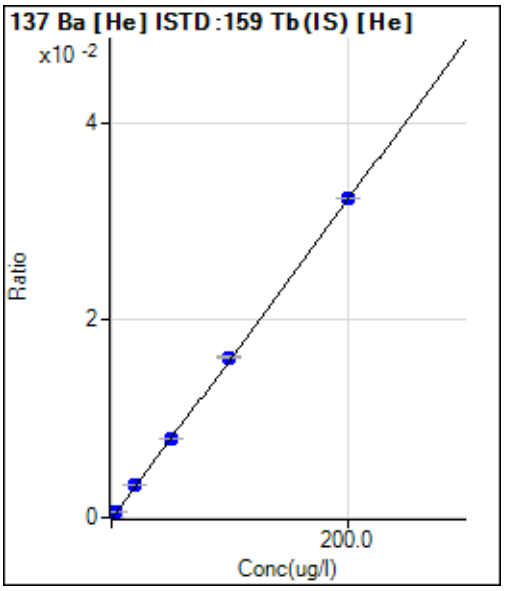


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	38.89	0.0003	P	9.1	
2	☐	2.000	1.984	886.71	0.0072	P	6.5	-0.8
3	☐	10.000	9.787	4236.27	0.0342	P	5.4	-2.1
4	☐	50.000	50.256	21658.93	0.1744	P	1.8	0.5
5	☐	100.000	99.317	42389.18	0.3444	P	2.3	-0.7
6	☐	200.000	200.288	84891.73	0.6942	P	0.7	0.1

y = 0.0035 * x + 3.1134E-004
R = 1.0000
DL = 0.02466 ug/l
BEC = 0.08987 ug/l

Weight: <None>
Min Conc: <None>

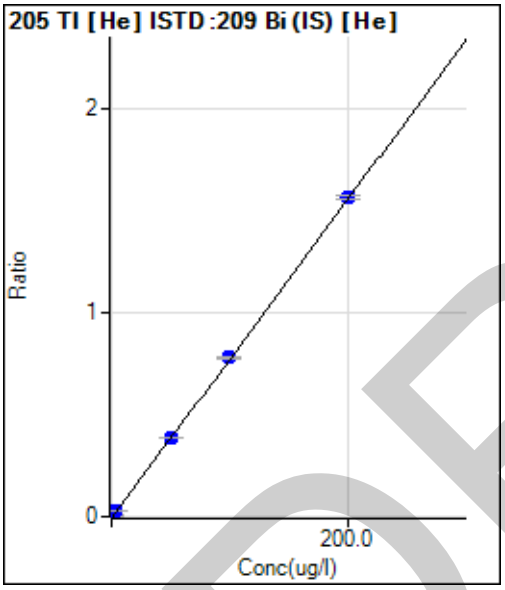
DRAFT



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	10.00	0.0000	P	99.6	
2	☐	4.000	3.735	451.12	0.0006	P	13.6	-6.6
3	☐	20.000	20.180	2395.79	0.0033	P	1.5	0.9
4	☐	50.000	49.651	5898.05	0.0080	P	0.3	-0.7
5	☐	100.000	100.217	11932.21	0.0162	P	1.0	0.2
6	☐	200.000	199.966	23630.43	0.0323	P	0.3	0.0

y = 1.6158E-004 * x + 1.3463E-005
R = 1.0000
DL = 0.249 ug/l
BEC = 0.08332 ug/l

Weight: <None>
Min Conc: <None>

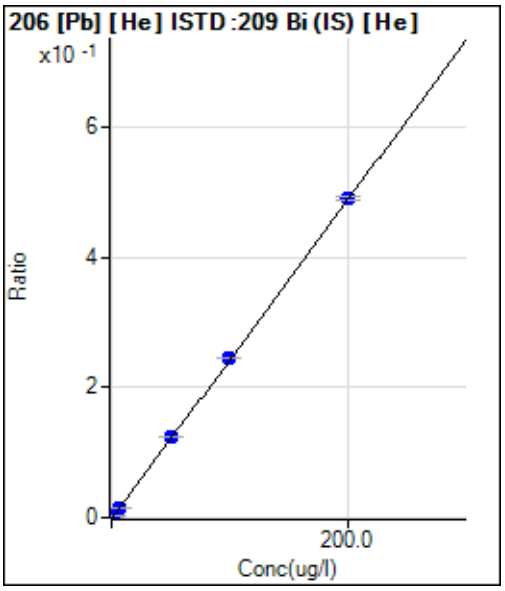


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	302.23	0.0005	P	3.1	
2	☐	0.800	0.779	4269.67	0.0065	P	4.3	-2.6
3	☐	4.000	3.970	20436.85	0.0314	P	0.5	-0.8
4	☐	50.000	49.439	246674.13	0.3861	P	0.8	-1.1
5	☐	100.000	99.575	496369.01	0.7771	P	1.1	-0.4
6	☐	200.000	200.354	981995.49	1.5632	P	1.0	0.2

y = 0.0078 * x + 4.6069E-004
R = 1.0000
DL = 0.005479 ug/l
BEC = 0.05906 ug/l

Weight: <None>
Min Conc: <None>

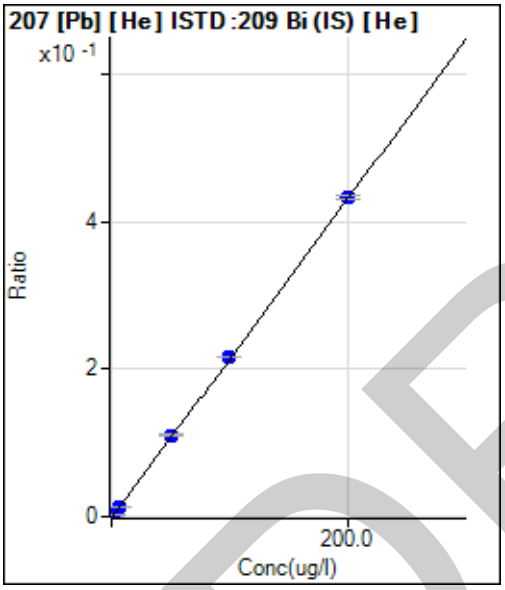
DRAFT



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	211.11	0.0003	P	18.4	
2	☐	1.200	1.105	1983.50	0.0030	P	5.2	-7.9
3	☐	6.000	6.014	9809.49	0.0151	P	0.3	0.2
4	☐	50.000	50.214	78958.24	0.1236	P	0.3	0.4
5	☐	100.000	99.851	156759.11	0.2454	P	0.5	-0.1
6	☐	200.000	200.021	308645.30	0.4913	P	0.9	0.0

y = 0.0025 * x + 3.2186E-004
R = 1.0000
DL = 0.07235 ug/l
BEC = 0.1311 ug/l

Weight: <None>
Min Conc: <None>

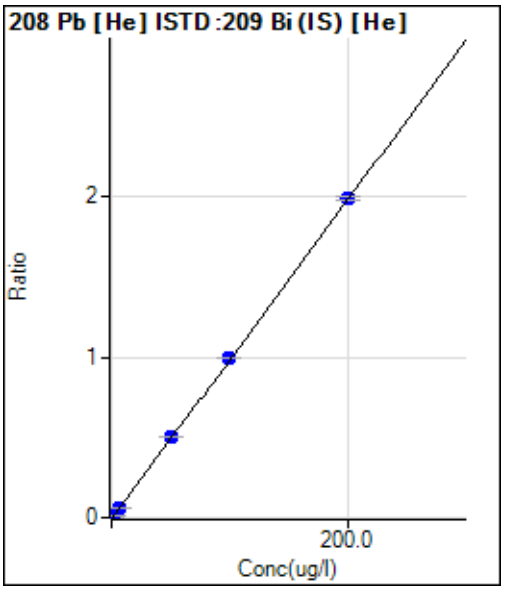


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	202.22	0.0003	P	14.7	
2	☐	1.200	1.177	1867.94	0.0029	P	5.5	-1.9
3	☐	6.000	5.981	8620.83	0.0133	P	2.1	-0.3
4	☐	50.000	50.886	70576.57	0.1105	P	2.1	1.8
5	☐	100.000	99.747	138121.16	0.2162	P	0.2	-0.3
6	☐	200.000	199.906	272054.73	0.4331	P	0.7	0.0

y = 0.0022 * x + 3.0817E-004
R = 1.0000
DL = 0.06271 ug/l
BEC = 0.1424 ug/l

Weight: <None>
Min Conc: <None>

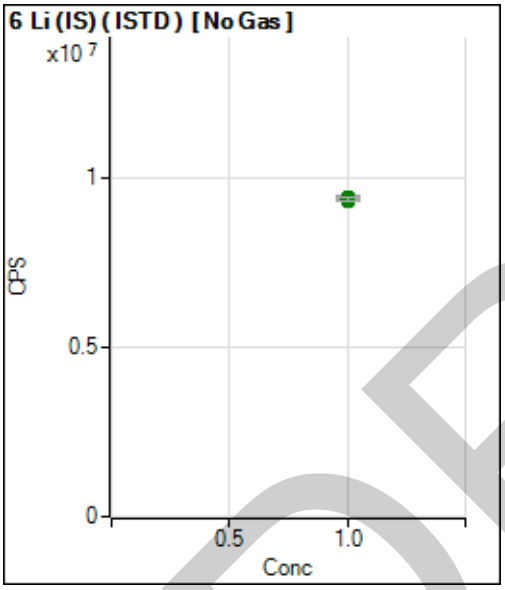
DRAFT



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	831.13	0.0013	P	10.0	
2	☐	1.200	1.168	8436.76	0.0129	P	2.1	-2.7
3	☐	6.000	5.972	39538.30	0.0608	P	0.6	-0.5
4	☐	50.000	50.180	320366.58	0.5014	P	1.1	0.4
5	☐	100.000	100.114	638195.09	0.9992	P	0.2	0.1
6	☐	200.000	199.899	1252430.50	1.9938	P	1.6	-0.1

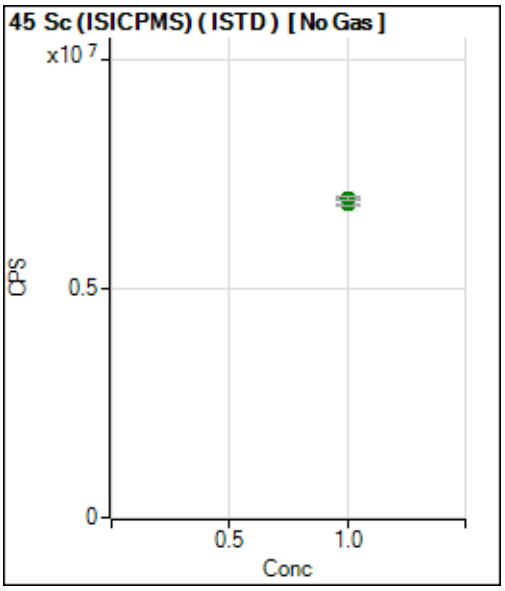
y = 0.0100 * x + 0.0013
R = 1.0000
DL = 0.03797 ug/l
BEC = 0.1271 ug/l

Weight: <None>
Min Conc: <None>

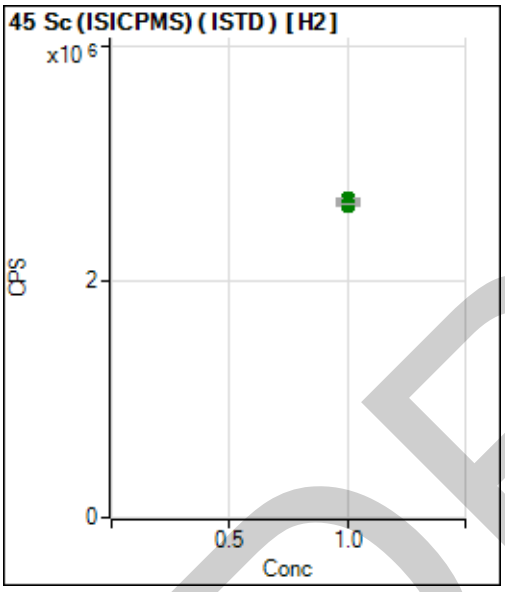


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		9414383.40		A	1.0	
2	☐	1.000		9296664.72		A	0.3	
3	☐	1.000		9416187.98		A	0.1	
4	☐	1.000		9369255.76		A	0.8	
5	☐	1.000		9389873.47		A	0.7	
6	☐	1.000		9369850.69		A	1.5	

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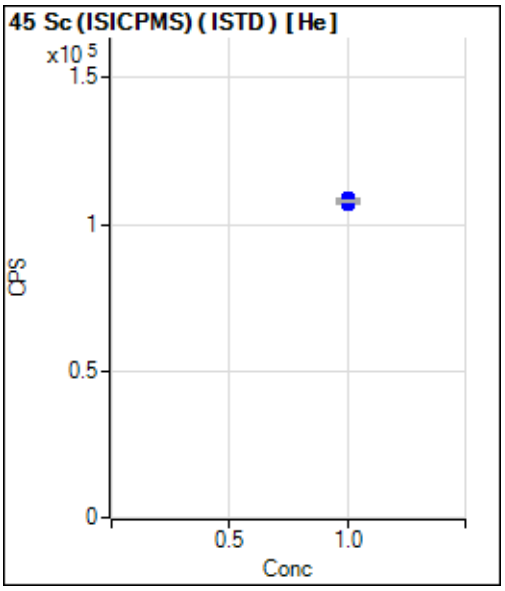


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		6969325.38		A	0.7	
2	☐	1.000		6832398.09		A	0.5	
3	☐	1.000		6949783.92		A	0.7	
4	☐	1.000		6955326.63		A	0.8	
5	☐	1.000		6963637.53		A	1.2	
6	☐	1.000		6969736.35		A	1.2	

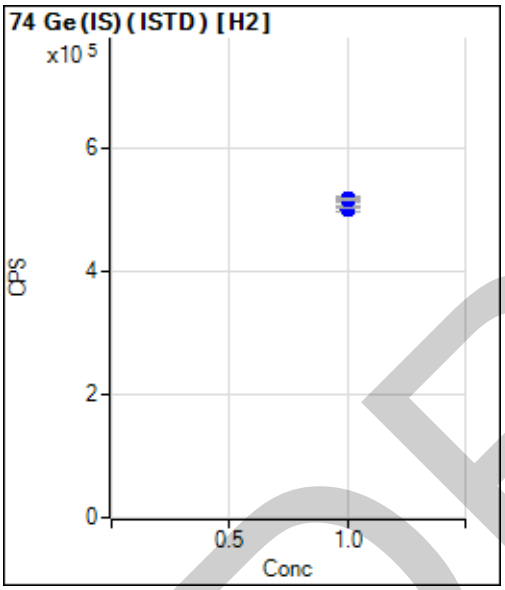


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		2653446.99		A	0.8	
2	☐	1.000		2647115.27		A	0.5	
3	☐	1.000		2681958.40		A	0.5	
4	☐	1.000		2707653.47		A	0.4	
5	☐	1.000		2709220.97		A	0.3	
6	☐	1.000		2665479.61		A	0.1	

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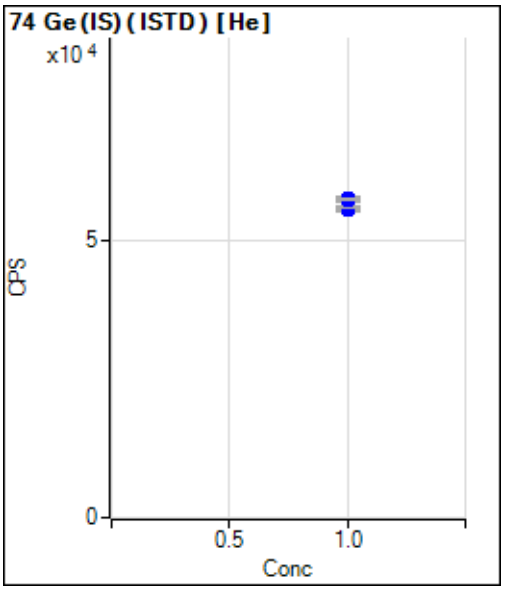


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		107379.65		P	0.4	
2	☐	1.000		108042.51		P	0.6	
3	☐	1.000		106965.13		P	0.3	
4	☐	1.000		108054.67		P	0.7	
5	☐	1.000		108895.47		P	0.1	
6	☐	1.000		107785.47		P	0.6	

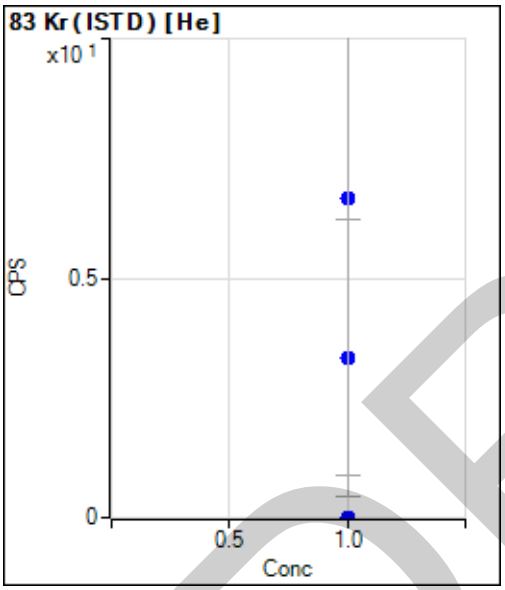


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		505553.61		P	0.5	
2	☐	1.000		499129.69		P	1.2	
3	☐	1.000		503789.16		P	0.2	
4	☐	1.000		514669.41		P	0.8	
5	☐	1.000		518229.69		P	1.1	
6	☐	1.000		517108.74		P	0.7	

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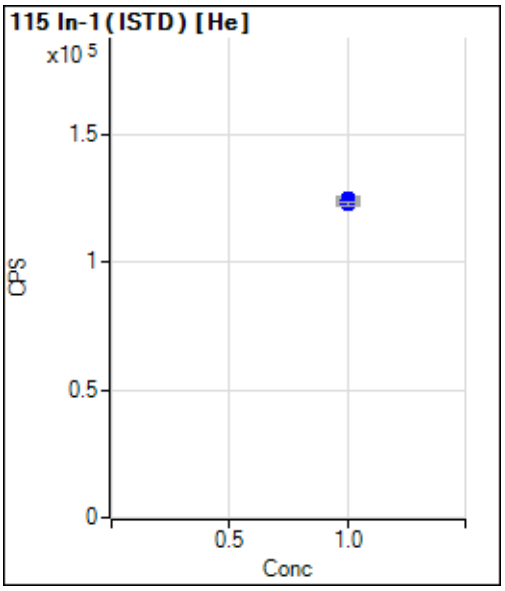


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		55569.01		P	1.3	
2	☐	1.000		55572.36		P	0.5	
3	☐	1.000		56152.53		P	0.6	
4	☐	1.000		57317.51		P	1.1	
5	☐	1.000		57777.21		P	1.4	
6	☐	1.000		57772.72		P	0.6	

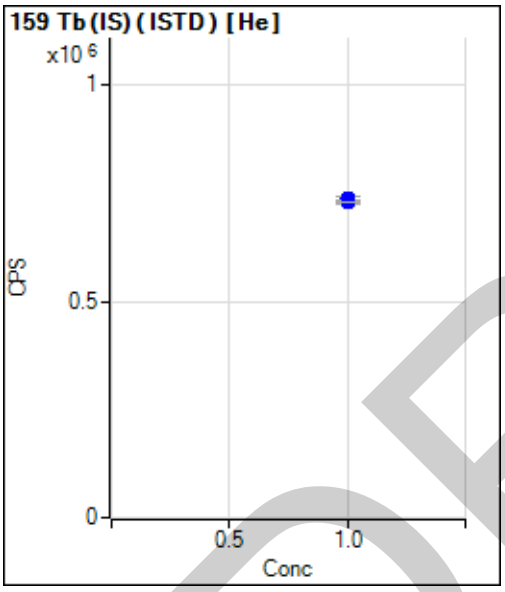


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		3.34		P	173.2	
2	☐	1.000		6.67		P	173.2	
3	☐	1.000		3.34		P	173.2	
4	☐	1.000		0.00		P		
5	☐	1.000		0.00		P		
6	☐	1.000		0.00		P		

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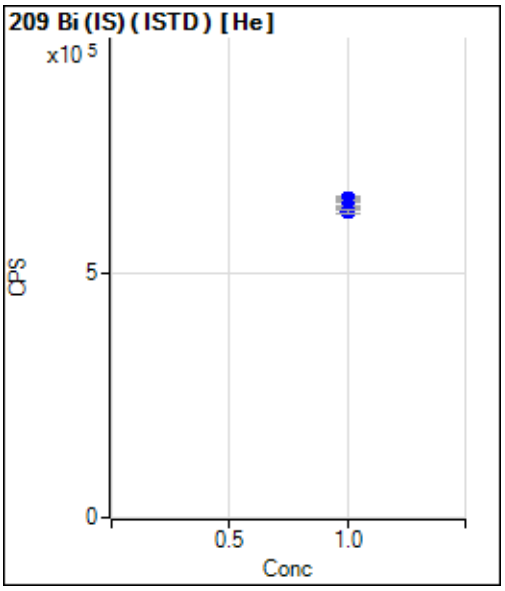


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		124858.87		P	0.9	
2	☐	1.000		123405.74		P	0.2	
3	☐	1.000		123820.57		P	0.4	
4	☐	1.000		124173.24		P	0.8	
5	☐	1.000		123098.90		P	0.4	
6	☐	1.000		122301.64		P	1.3	



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		739286.95		P	0.8	
2	☐	1.000		731627.32		P	0.7	
3	☐	1.000		731743.39		P	1.0	
4	☐	1.000		733937.79		P	0.4	
5	☐	1.000		736251.60		P	0.1	
6	☐	1.000		731043.83		P	0.3	

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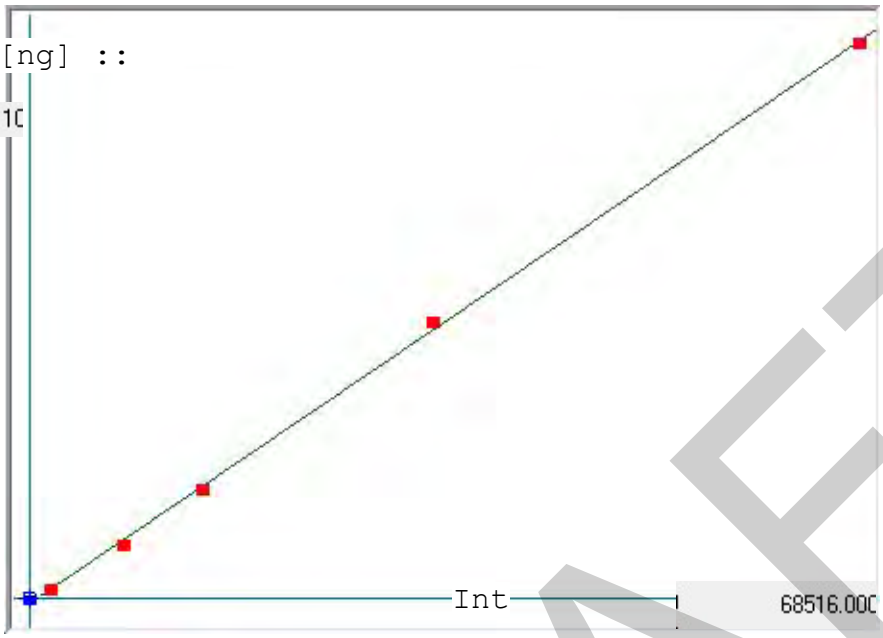
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		656020.60		P	0.4	
2	☐	1.000		653584.19		P	1.8	
3	☐	1.000		650329.31		P	0.6	
4	☐	1.000		638916.65		P	0.6	
5	☐	1.000		638735.88		P	0.8	
6	☐	1.000		628222.91		P	0.8	

DRAFT

7471B

Linear

Max. Hg [ng] ::



A= 0.0000e+000

B= 1.4768e-004

C= -6.8922e-002

Rho= 0.9997515

Accept= Accepted

Accepted Date=

07/09/24 04:23

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
Cal Blank	0.000	-0.050	-0.050	129	0.000	129				
0.2 ug/L	0.200	0.203	0.003	1840	0.0 %	1840				
1.0 ug/L	1.000	1.096	0.096	7888	0.0 %	7888				
2.0 ug/L	2.000	2.046	0.046	14320	0.0 %	14320				
5.0 ug/L	5.000	4.855	-0.145	33344	0.0 %	33344				
10.0 ug/L	10.000	10.050	0.050	68516	0.0 %	68516				

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9-IN
DETECTION LIMITS
METALS

Lab Name: Eurofins Edison Job Number: 460-307050-1

SDG Number:

Matrix: Solid Instrument ID: ICPMS4

Method: 6020B MDL Date: 03/16/2023 00:00

Prep Method: 3050B

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Arsenic		1	0.103
Barium		2	0.145
Beryllium		0.4	0.057
Cadmium		1	0.113
Chromium		2	0.908
Copper		2	0.368
Lead		0.6	0.2
Manganese		4	0.403
Selenium		1.25	0.128
Silver		0.4	0.089
Zinc		8	3.05

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9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: Eurofins Edison Job Number: 460-307050-1

SDG Number:

Matrix: Solid Instrument ID: ICPMS4

Method: 6020B XMDL Date: 03/16/2023 00:00

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Arsenic		10	1.03
Barium		20	1.45
Beryllium		4	0.57
Cadmium		10	1.13
Chromium		20	9.07
Copper		20	3.68
Lead		6	2
Manganese		40	4.03
Selenium		12.5	1.28
Silver		10	0.89
Zinc		80	30.5

DRAFT

9-IN
DETECTION LIMITS
METALS

Lab Name: Eurofins Edison Job Number: 460-307050-1

SDG Number:

Matrix: Solid Instrument ID: ICPMS5

Method: 6020B MDL Date: 03/16/2023 00:00

Prep Method: 3050B

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Barium		2	0.145
Nickel		2	0.47

DRAFT

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: Eurofins Edison Job Number: 460-307050-1

SDG Number:

Matrix: Solid Instrument ID: ICPMS5

Method: 6020B XMDL Date: 03/16/2023 00:00

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Barium		20	1.45
Nickel		20	4.7

DRAFT

9-IN
DETECTION LIMITS
METALS

Lab Name: Eurofins Edison Job Number: 460-307050-1

SDG Number:

Matrix: Solid Instrument ID: LEEMAN6

Method: 7471B MDL Date: 09/10/2021 00:00

Prep Method: 7471B

Analyte	Wavelength/ Mass	RL (mg/Kg)	MDL (mg/Kg)
Mercury		0.017	0.008

DRAFT

9-IN
CALIBRATION BLANK DETECTION LIMITS
METALS

Lab Name: Eurofins Edison Job Number: 460-307050-1

SDG Number:

Matrix: Solid Instrument ID: LEEMAN6

Method: 7471B XMDL Date: 01/13/2020 12:26

Analyte	Wavelength/ Mass	XRL (ug/L)	XMDL (ug/L)
Mercury		0.2	0.091

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11-IN
LINEAR RANGES
METALS

Lab Name: Eurofins Edison Job No: 460-307050-1

SDG No.:

Instrument ID: ICPMS4 Date: 04/26/2023 00:00

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Arsenic		5000	6020B
Barium		20000	6020B
Beryllium		2000	6020B
Cadmium		5000	6020B
Chromium		20000	6020B
Copper		20000	6020B
Lead		20000	6020B
Manganese		20000	6020B
Selenium		3000	6020B
Silver		1000	6020B
Zinc		20000	6020B

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11-IN
LINEAR RANGES
METALS

Lab Name: Eurofins Edison Job No: 460-307050-1

SDG No.:

Instrument ID: ICPMS5 Date: 04/26/2023 00:00

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Barium		20000	6020B
Nickel		20000	6020B

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12-IN
PREPARATION LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Prep Method: 3050B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-983997/1-A	07/08/2024 06:13	983997	1.00		100
LCSSRM 460-983997/2-A ^3	07/08/2024 06:13	983997	1.00		100
460-306985-F-6-C DU	07/08/2024 06:13	983997	1.00		100
460-306985-F-6-D MS	07/08/2024 06:13	983997	1.00		100
460-307050-1	07/08/2024 06:13	983997	1.12		100
460-307050-2	07/08/2024 06:13	983997	1.03		100
460-307050-3	07/08/2024 06:13	983997	1.06		100
460-307050-4	07/08/2024 06:13	983997	1.13		100
460-307050-5	07/08/2024 06:13	983997	1.07		100
460-307050-6	07/08/2024 06:13	983997	1.03		100

DRAFT

12-IN
PREPARATION LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Prep Method: 7471B

Lab Sample ID	Preparation Date	Prep Batch	Initial Weight (g)	Initial Volume	Final Volume (mL)
MB 460-984147/1-A	07/09/2024 00:51	984147	0.60		50
LCSSRM 460-984147/2-A ^20	07/09/2024 00:51	984147	0.60		50
460-307022-D-1-G DU	07/09/2024 00:51	984147	0.68		50
460-307022-D-1-H MS	07/09/2024 00:51	984147	0.68		50
460-307050-1	07/09/2024 00:51	984147	0.65		50
460-307050-2	07/09/2024 00:51	984147	0.63		50
460-307050-3	07/09/2024 00:51	984147	0.61		50
460-307050-4	07/09/2024 00:51	984147	0.61		50
460-307050-5	07/09/2024 00:51	984147	0.60		50
460-307050-6	07/09/2024 00:51	984147	0.62		50

DRAFT

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Instrument ID: ICPMS4 Method: 6020B

Start Date: 07/08/2024 11:22 End Date: 07/09/2024 01:35

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Be	Cd	Cr	Cu	Mn	Ni	Pb	Se	Zn								
IC 460-984070/1	1		11:22	X	X	X	X	X	X	X	X	X	X	X	X								
IC 460-984070/2	1		11:24	X	X	X	X	X	X	X	X	X	X	X	X								
IC 460-984070/3	1		11:27	X	X	X	X	X	X	X	X	X	X	X	X								
IC 460-984070/4	1		11:30	X	X	X	X	X	X	X	X	X	X	X	X								
IC 460-984070/5	1		11:32	X	X	X	X	X	X	X	X	X	X	X	X								
IC 460-984070/6	1		11:35	X	X	X	X	X	X	X	X	X	X	X	X								
ICV 460-984070/7	1		11:38	X	X	X	X	X	X	X	X	X	X	X	X								
ICB 460-984070/8	1		11:40	X	X	X	X	X	X	X	X	X	X	X	X								
CRI 460-984070/9			11:43																				
ICSA 460-984070/10	1		11:45	X	X	X	X	X	X	X	X	X	X	X	X								
ICSAB 460-984070/11	1		11:48	X	X	X	X	X	X	X	X	X	X	X	X								
ZZZZZZ			11:50																				
LRC 460-984070/13	1		11:55	X	X	X	X	X	X	X	X	X	X	X	X								
LRC 460-984070/14	1		11:57	X	X	X	X	X	X	X	X	X	X	X	X								
LRC 460-984070/15	1		12:05	X	X	X	X	X	X	X	X	X	X	X	X								
ZZZZZZ			12:07																				
ZZZZZZ			12:10																				
ZZZZZZ			12:12																				
CCV 460-984070/19	1		12:15	X	X	X	X	X	X	X	X	X	X	X	X								
CCB 460-984070/20	1		12:17	X	X	X	X	X	X	X	X	X	X	X	X								
ZZZZZZ			12:23																				
ZZZZZZ			12:25																				
ZZZZZZ			12:28																				
ZZZZZZ			12:30																				
ZZZZZZ			12:33																				
ZZZZZZ			12:35																				
ZZZZZZ			12:38																				
ZZZZZZ			12:40																				
ZZZZZZ			12:43																				
ZZZZZZ			12:45																				
CCV 460-984070/31			12:48																				
CCB 460-984070/32			12:50																				
ZZZZZZ			12:53																				
ZZZZZZ			12:55																				
ZZZZZZ			12:58																				
ZZZZZZ			13:00																				
ZZZZZZ			13:03																				
ZZZZZZ			13:05																				
CCV 460-984070/39			13:08																				
CCB 460-984070/40			13:10																				
ZZZZZZ			13:13																				

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13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Instrument ID: ICPMS4 Method: 6020B

Start Date: 07/08/2024 11:22 End Date: 07/09/2024 01:35

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Be	Cd	Cr	Cu	Mn	Ni	Pb	Se	Zn								
ZZZZZZ			13:15																				
ZZZZZZ			13:18																				
ZZZZZZ			13:20																				
ZZZZZZ			13:23																				
ZZZZZZ			13:26																				
ZZZZZZ			13:28																				
ZZZZZZ			13:31																				
ZZZZZZ			13:33																				
ZZZZZZ			13:36																				
CCV 460-984070/51			13:38																				
CCB 460-984070/52			13:41																				
ZZZZZZ			13:43																				
ZZZZZZ			13:46																				
ZZZZZZ			13:48																				
ZZZZZZ			13:51																				
ZZZZZZ			13:53																				
ZZZZZZ			13:56																				
ZZZZZZ			13:58																				
ZZZZZZ			14:01																				
ZZZZZZ			14:03																				
CCV 460-984070/62			14:06																				
CCB 460-984070/63			14:08																				
ZZZZZZ			14:11																				
ZZZZZZ			14:13																				
ZZZZZZ			14:16																				
ZZZZZZ			14:18																				
ZZZZZZ			14:21																				
ZZZZZZ			14:23																				
ZZZZZZ			14:26																				
ZZZZZZ			14:28																				
ZZZZZZ			14:31																				
CCV 460-984070/73	1		14:33	X	X	X	X	X	X	X	X	X	X	X	X								
CCB 460-984070/74	1		14:36	X	X	X	X	X	X	X	X	X	X	X	X								
MB 460-983997/1-A	1	T	14:38	X	X	X	X	X	X	X	X	X	X	X	X								
ZZZZZZ			14:41																				
LCSSRM 460-983997/2-A ^3	3	T	14:43	X	X	X	X	X	X	X	X	X	X	X	X								
460-306985-F-6-B PDS	1	T	14:46	X	X	X	X	X	X	X	X	X	X	X	X								
460-306985-F-6-D MS	1	T	14:48	X	X	X	X	X	X	X	X	X	X	X	X								
460-306985-F-6-C DU	1	T	14:51	X	X	X	X	X	X	X	X	X	X	X	X								
ZZZZZZ			14:53																				

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13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Instrument ID: ICPMS4 Method: 6020B

Start Date: 07/08/2024 11:22 End Date: 07/09/2024 01:35

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Be	Cd	Cr	Cu	Mn	Ni	Pb	Se	Zn								
460-306985-F-6-B SD ^5	5	T	14:56	X	X	X	X	X	X	X	X	X	X	X	X								
ZZZZZZ			14:58																				
ZZZZZZ			15:01																				
CCV 460-984070/85	1		15:03	X	X	X	X	X	X	X	X	X	X	X	X								
CCB 460-984070/86	1		15:06	X	X	X	X	X	X	X	X	X	X	X	X								
ZZZZZZ			15:10																				
CCV 460-984070/88			15:13																				
CCB 460-984070/89			15:15																				
ZZZZZZ			15:18																				
ZZZZZZ			15:20																				
ZZZZZZ			15:23																				
ZZZZZZ			15:25																				
ZZZZZZ			15:28																				
ZZZZZZ			15:30																				
ZZZZZZ			15:33																				
ZZZZZZ			15:35																				
ZZZZZZ			15:38																				
ZZZZZZ			15:40																				
CCV 460-984070/100	1		15:43	X	X	X	X	X	X	X	X	X	X	X	X								
CCB 460-984070/101	1		15:45	X	X	X	X	X	X	X	X	X	X	X	X								
ZZZZZZ			15:48																				
460-307050-1	1	T	15:50	X	X	X	X	X	X	X	X		X	X	X								
460-307050-2	1	T	15:53	X	X	X	X	X	X	X	X		X	X	X								
460-307050-3	1	T	15:55	X	X	X	X	X	X	X	X		X	X	X								
460-307050-4	1	T	15:58	X	X	X	X	X	X	X	X		X	X	X								
460-307050-5	1	T	16:01	X	X		X	X	X	X	X		X	X	X								
460-307050-6	1	T	16:03	X	X	X	X	X	X	X	X		X	X	X								
CCV 460-984070/109	1		16:06	X	X	X	X	X	X	X	X		X	X	X								
CCB 460-984070/110	1		16:08	X	X	X	X	X	X	X	X	X	X	X	X								
ZZZZZZ			16:11																				
ZZZZZZ			16:13																				
ZZZZZZ			16:16																				
ZZZZZZ			16:18																				
ZZZZZZ			19:07																				
CCV 460-984070/116			19:09																				
CCB 460-984070/117			19:12																				
ZZZZZZ			19:31																				
ZZZZZZ			19:33																				
ZZZZZZ			19:36																				
CCV 460-984070/121			19:38																				
CCB 460-984070/122			19:41																				

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13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Instrument ID: ICPMS4 Method: 6020B

Start Date: 07/08/2024 11:22 End Date: 07/09/2024 01:35

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ag	As	Ba	Be	Cd	Cr	Cu	Mn	Ni	Pb	Se	Zn								
ZZZZZZ			19:43																				
ZZZZZZ			19:46																				
ZZZZZZ			19:48																				
ZZZZZZ			19:51																				
ZZZZZZ			19:53																				
ZZZZZZ			19:56																				
ZZZZZZ			19:58																				
ZZZZZZ			20:01																				
ZZZZZZ			20:03																				
ZZZZZZ			20:06																				
CCV 460-984070/133			20:08																				
CCB 460-984070/134			20:11																				
ZZZZZZ			20:13																				
ZZZZZZ			20:16																				
ZZZZZZ			20:18																				
ZZZZZZ			20:21																				
ZZZZZZ			20:23																				
ZZZZZZ			20:26																				
ZZZZZZ			20:28																				
ZZZZZZ			20:31																				
ZZZZZZ			20:33																				
ZZZZZZ			20:36																				
CCV 460-984070/145			20:39																				
CCB 460-984070/146			20:41																				
ZZZZZZ			20:44																				
ZZZZZZ			20:46																				
ZZZZZZ			20:49																				
ZZZZZZ			20:51																				
ZZZZZZ			20:54																				
ZZZZZZ			20:56																				
ZZZZZZ			20:59																				
ZZZZZZ			21:01																				
ZZZZZZ			21:04																				
ZZZZZZ			21:06																				
CCV 460-984070/157			21:09																				
CCB 460-984070/158			21:11																				
ZZZZZZ			21:14																				
ZZZZZZ			21:16																				
ZZZZZZ			21:19																				
ZZZZZZ			21:21																				
ZZZZZZ			21:24																				

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13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Instrument ID: ICPMS4 Method: 6020B

Start Date: 07/08/2024 11:22 End Date: 07/09/2024 01:35

Lab Sample ID	D / F	Type	Time	Analytes																			
				Ag	As	Ba	Be	Cd	Cr	Cu	Mn	Ni	Pb	Se	Zn								
CCV 460-984070/164			21:26																				
CCB 460-984070/165			21:29																				
ZZZZZZ			22:06																				
CCV 460-984070/167			22:08																				
CCB 460-984070/168			22:11																				
ZZZZZZ			22:13																				
CCV 460-984070/170			22:16																				
CCB 460-984070/171			22:18																				
ZZZZZZ			23:02																				
ZZZZZZ			23:04																				
ZZZZZZ			23:07																				
ZZZZZZ			23:09																				
ZZZZZZ			23:12																				
ZZZZZZ			23:14																				
ZZZZZZ			23:17																				
ZZZZZZ			23:20																				
ZZZZZZ			23:22																				
ZZZZZZ			23:25																				
CCV 460-984070/182			23:27																				
CCB 460-984070/183			23:30																				
ICSA 460-984070/184			23:32																				
ICSAB 460-984070/185			23:35																				
ZZZZZZ			23:37																				
ZZZZZZ			23:40																				
ZZZZZZ			23:42																				
CCV 460-984070/189			23:45																				
CCB 460-984070/190			23:47																				
ZZZZZZ			23:50																				
ZZZZZZ			23:52																				
ZZZZZZ			23:55																				
ZZZZZZ			23:57																				
ZZZZZZ			00:00																				
ZZZZZZ			00:02																				
ZZZZZZ			00:05																				
ZZZZZZ			00:07																				
ZZZZZZ			00:10																				
ZZZZZZ			00:12																				
CCV 460-984070/201			00:15																				
CCB 460-984070/202			00:17																				
ZZZZZZ			00:20																				
ZZZZZZ			00:23																				

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13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Instrument ID: ICPMS4 Method: 6020B

Start Date: 07/08/2024 11:22 End Date: 07/09/2024 01:35

Lab Sample ID	D / F	Type	Time	Analytes																			
				Ag	As	Ba	Be	Cd	Cr	Cu	Mn	Ni	Pb	Se	Zn								
ZZZZZZ			00:25																				
ZZZZZZ			00:28																				
ZZZZZZ			00:30																				
ZZZZZZ			00:33																				
ZZZZZZ			00:35																				
ZZZZZZ			00:38																				
ZZZZZZ			00:40																				
CCV 460-984070/212			00:43																				
CCB 460-984070/213			00:45																				
ZZZZZZ			00:48																				
ZZZZZZ			00:50																				
ZZZZZZ			00:54																				
ZZZZZZ			00:56																				
ZZZZZZ			00:59																				
CCV 460-984070/219			01:02																				
CCB 460-984070/220			01:04																				
ZZZZZZ			01:07																				
ZZZZZZ			01:09																				
ZZZZZZ			01:12																				
ZZZZZZ			01:14																				
ZZZZZZ			01:17																				
ZZZZZZ			01:19																				
ZZZZZZ			01:22																				
ZZZZZZ			01:24																				
ZZZZZZ			01:27																				
ZZZZZZ			01:30																				
CCV 460-984070/231			01:32																				
CCB 460-984070/232			01:35																				

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Prep Types
T = Total/NA

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Instrument ID: ICPMS5 Method: 6020B

Start Date: 07/09/2024 11:01 End Date: 07/10/2024 02:49

Lab Sample ID	D/F	Type	Time	Analytes																				
				Ba	Ni																			
IC 460-984282/1	1		11:01	X	X																			
IC 460-984282/2	1		11:04	X	X																			
IC 460-984282/3	1		11:07	X	X																			
IC 460-984282/4	1		11:09	X	X																			
IC 460-984282/5	1		11:12	X	X																			
IC 460-984282/6	1		11:15	X	X																			
ICV 460-984282/7	1		11:17	X	X																			
ICB 460-984282/8	1		11:20	X	X																			
CRI 460-984282/9			11:22																					
ICSA 460-984282/10	1		11:25	X	X																			
ICSAB 460-984282/11	1		11:27	X	X																			
LRC 460-984282/12	1		11:30	X	X																			
LRC 460-984282/13	1		11:32	X	X																			
LRC 460-984282/14	1		11:35	X	X																			
ZZZZZZ			11:37																					
ZZZZZZ			11:40																					
ZZZZZZ			11:42																					
ZZZZZZ			11:45																					
CCV 460-984282/19	1		11:47	X	X																			
CCB 460-984282/20	1		11:50	X	X																			
ZZZZZZ			11:53																					
ZZZZZZ			11:56																					
ZZZZZZ			11:58																					
ZZZZZZ			12:01																					
ZZZZZZ			12:03																					
ZZZZZZ			12:06																					
ZZZZZZ			12:08																					
ZZZZZZ			12:11																					
ZZZZZZ			12:13																					
ZZZZZZ			12:16																					
CCV 460-984282/31			12:18																					
CCB 460-984282/32			12:21																					
ZZZZZZ			12:23																					
ZZZZZZ			12:26																					
ZZZZZZ			12:28																					
ZZZZZZ			12:38																					
ZZZZZZ			12:41																					
ZZZZZZ			12:43																					
ZZZZZZ			12:46																					
ZZZZZZ			12:48																					
ZZZZZZ			12:51																					

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13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Instrument ID: ICPMS5 Method: 6020B

Start Date: 07/09/2024 11:01 End Date: 07/10/2024 02:49

Lab Sample ID	D / F	Type	Time	Analytes																			
				Ba	Ni																		
CCV 460-984282/42			12:53																				
CCB 460-984282/43			12:56																				
ZZZZZZ			12:58																				
ZZZZZZ			13:01																				
ZZZZZZ			13:03																				
ZZZZZZ			13:06																				
ZZZZZZ			13:08																				
ZZZZZZ			13:11																				
ZZZZZZ			13:13																				
ZZZZZZ			13:16																				
ZZZZZZ			13:18																				
ZZZZZZ			13:21																				
CCV 460-984282/54			13:23																				
CCB 460-984282/55			13:26																				
ZZZZZZ			13:28																				
ZZZZZZ			13:31																				
ZZZZZZ			13:33																				
ZZZZZZ			13:36																				
ZZZZZZ			13:38																				
ZZZZZZ			13:41																				
ZZZZZZ			13:43																				
ZZZZZZ			13:46																				
CCV 460-984282/64			13:48																				
CCB 460-984282/65			13:50																				
ZZZZZZ			13:54																				
ZZZZZZ			13:56																				
ZZZZZZ			13:59																				
ZZZZZZ			14:01																				
ZZZZZZ			14:04																				
ZZZZZZ			14:06																				
ZZZZZZ			14:09																				
ZZZZZZ			14:11																				
CCV 460-984282/74			14:14																				
CCB 460-984282/75			14:16																				
ZZZZZZ			14:19																				
ZZZZZZ			14:21																				
ZZZZZZ			14:24																				
ZZZZZZ			14:26																				
ZZZZZZ			14:29																				
ZZZZZZ			14:31																				
ZZZZZZ			14:34																				

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13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Instrument ID: ICPMS5 Method: 6020B

Start Date: 07/09/2024 11:01 End Date: 07/10/2024 02:49

Lab Sample ID	D/F	Type	Time	Analytes																			
				Ba	Ni																		
ZZZZZZ			14:36																				
ZZZZZZ			14:39																				
CCV 460-984282/85			14:41																				
CCB 460-984282/86			14:44																				
ZZZZZZ			14:46																				
ZZZZZZ			14:49																				
ZZZZZZ			14:51																				
ZZZZZZ			14:53																				
ZZZZZZ			14:56																				
ZZZZZZ			14:58																				
ZZZZZZ			15:01																				
CCV 460-984282/94			15:03																				
CCB 460-984282/95			15:06																				
ZZZZZZ			15:08																				
ZZZZZZ			15:11																				
ZZZZZZ			15:13																				
ZZZZZZ			15:16																				
ZZZZZZ			15:18																				
ZZZZZZ			15:21																				
ZZZZZZ			15:23																				
ZZZZZZ			15:26																				
ZZZZZZ			15:28																				
ZZZZZZ			15:31																				
CCV 460-984282/106	1		15:33	X	X																		
CCB 460-984282/107	1		15:36	X	X																		
ZZZZZZ			15:38																				
460-307050-1	1	T	15:41		X																		
460-307050-2	1	T	15:43		X																		
460-307050-3	1	T	15:46		X																		
460-307050-4	1	T	15:48		X																		
460-307050-5	1	T	15:51		X																		
460-307050-5	3	T	15:53	X																			
460-307050-6	1	T	15:56		X																		
CCV 460-984282/116	1		15:58	X	X																		
CCB 460-984282/117	1		16:01	X	X																		
ZZZZZZ			16:16																				
ZZZZZZ			16:19																				
ZZZZZZ			16:21																				
ZZZZZZ			16:24																				
ZZZZZZ			16:26																				
ZZZZZZ			16:29																				

DRAFT

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Instrument ID: ICPMS5 Method: 6020B

Start Date: 07/09/2024 11:01 End Date: 07/10/2024 02:49

Lab Sample ID	D / F	Type	Time	Analytes																			
				Ba	Ni																		
ZZZZZZ			16:31																				
ZZZZZZ			16:34																				
ZZZZZZ			16:36																				
ZZZZZZ			16:39																				
CCB 460-984282/128			16:41																				
ZZZZZZ			16:44																				
ZZZZZZ			16:46																				
ZZZZZZ			16:49																				
ZZZZZZ			16:51																				
ZZZZZZ			16:54																				
ZZZZZZ			16:57																				
ZZZZZZ			16:59																				
CCV 460-984282/136			17:02																				
CCB 460-984282/137			17:04																				
ZZZZZZ			17:06																				
ZZZZZZ			17:09																				
ZZZZZZ			17:11																				
ZZZZZZ			17:14																				
ZZZZZZ			17:16																				
ZZZZZZ			17:19																				
CCV 460-984282/144			17:21																				
CCB 460-984282/145			17:24																				
ZZZZZZ			17:26																				
ZZZZZZ			17:29																				
ZZZZZZ			17:31																				
ZZZZZZ			17:34																				
ZZZZZZ			17:36																				
ZZZZZZ			17:39																				
ZZZZZZ			17:42																				
ZZZZZZ			17:44																				
CCV 460-984282/154			17:47																				
CCB 460-984282/155			17:49																				
ZZZZZZ			17:52																				
ZZZZZZ			17:54																				
ZZZZZZ			17:57																				
ZZZZZZ			17:59																				
ZZZZZZ			18:02																				
ZZZZZZ			18:04																				
ZZZZZZ			18:07																				
ZZZZZZ			18:09																				
CCV 460-984282/164			18:12																				

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13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Instrument ID: ICPMS5 Method: 6020B

Start Date: 07/09/2024 11:01 End Date: 07/10/2024 02:49

Lab Sample ID	D / F	Type	Time	Analytes																				
				Ba	Ni																			
CCB 460-984282/165			18:14																					
ZZZZZZ			18:24																					
CCV 460-984282/167			18:26																					
CCB 460-984282/168			18:29																					
ZZZZZZ			18:31																					
ZZZZZZ			18:34																					
ZZZZZZ			18:36																					
ZZZZZZ			18:39																					
ZZZZZZ			18:41																					
ZZZZZZ			18:44																					
ZZZZZZ			18:46																					
ZZZZZZ			18:49																					
ZZZZZZ			18:51																					
ZZZZZZ			18:54																					
CCV 460-984282/179			18:56																					
CCB 460-984282/180			18:59																					
ZZZZZZ			19:01																					
ZZZZZZ			19:04																					
ZZZZZZ			19:06																					
ZZZZZZ			19:09																					
ZZZZZZ			19:11																					
ZZZZZZ			19:14																					
ZZZZZZ			19:16																					
ZZZZZZ			19:19																					
ZZZZZZ			19:21																					
ZZZZZZ			19:24																					
CCV 460-984282/191			19:26																					
CCB 460-984282/192			19:29																					
ZZZZZZ			19:32																					
ZZZZZZ			19:35																					
ZZZZZZ			19:37																					
ZZZZZZ			19:40																					
ZZZZZZ			19:42																					
ZZZZZZ			19:45																					
ZZZZZZ			19:47																					
ZZZZZZ			19:50																					
ZZZZZZ			19:52																					
ZZZZZZ			19:55																					
CCV 460-984282/203			19:57																					
CCB 460-984282/204			20:00																					
ZZZZZZ			20:02																					

DRAFT

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Instrument ID: ICPMS5 Method: 6020B

Start Date: 07/09/2024 11:01 End Date: 07/10/2024 02:49

Lab Sample ID	D / F	Type	Time	Analytes																			
				Ba	Ni																		
ZZZZZZ			20:05																				
ZZZZZZ			20:07																				
ZZZZZZ			20:10																				
ZZZZZZ			20:12																				
ZZZZZZ			20:15																				
ZZZZZZ			20:17																				
ZZZZZZ			20:20																				
ZZZZZZ			20:22																				
ZZZZZZ			20:25																				
CCV 460-984282/215			20:27																				
CCB 460-984282/216			20:30																				
ZZZZZZ			20:32																				
ZZZZZZ			20:35																				
ZZZZZZ			20:37																				
ZZZZZZ			20:40																				
ZZZZZZ			20:42																				
ZZZZZZ			20:45																				
ZZZZZZ			20:47																				
ZZZZZZ			20:50																				
ZZZZZZ			20:52																				
ZZZZZZ			20:55																				
CCV 460-984282/227			20:57																				
CCB 460-984282/228			21:00																				
ZZZZZZ			21:02																				
ZZZZZZ			21:05																				
ZZZZZZ			21:07																				
ZZZZZZ			21:10																				
ZZZZZZ			21:12																				
ZZZZZZ			21:15																				
ZZZZZZ			21:17																				
CCV 460-984282/236			21:20																				
CCB 460-984282/237			21:22																				
ZZZZZZ			22:08																				
ZZZZZZ			22:10																				
ZZZZZZ			22:13																				
ZZZZZZ			22:15																				
ZZZZZZ			22:18																				
ZZZZZZ			22:20																				
ZZZZZZ			22:23																				
ZZZZZZ			22:25																				
ZZZZZZ			22:28																				

DRAFT

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Instrument ID: ICPMS5 Method: 6020B

Start Date: 07/09/2024 11:01 End Date: 07/10/2024 02:49

Lab Sample ID	D / F	Type	Time	Analytes																			
				Ba	Ni																		
ZZZZZZ			22:30																				
CCV 460-984282/248			22:33																				
CCB 460-984282/249			22:35																				
ZZZZZZ			22:38																				
ZZZZZZ			22:40																				
ZZZZZZ			22:43																				
ZZZZZZ			22:45																				
ZZZZZZ			22:48																				
ZZZZZZ			22:50																				
ZZZZZZ			22:53																				
ZZZZZZ			22:55																				
ZZZZZZ			22:58																				
ZZZZZZ			23:00																				
CCV 460-984282/260			23:03																				
CCB 460-984282/261			23:05																				
ZZZZZZ			23:08																				
ZZZZZZ			23:10																				
ZZZZZZ			23:13																				
ZZZZZZ			23:15																				
ZZZZZZ			23:18																				
ZZZZZZ			23:20																				
ZZZZZZ			23:23																				
ZZZZZZ			23:25																				
ZZZZZZ			23:28																				
CCV 460-984282/271			23:30																				
CCB 460-984282/272			23:33																				
ICSA 460-984282/273			23:35																				
ICSAB 460-984282/274			23:38																				
ZZZZZZ			23:40																				
ZZZZZZ			23:43																				
ZZZZZZ			23:45																				
CCV 460-984282/278			23:48																				
CCB 460-984282/279			23:50																				
ZZZZZZ			00:06																				
ZZZZZZ			00:09																				
ZZZZZZ			00:11																				
ZZZZZZ			00:14																				
ZZZZZZ			00:16																				
ZZZZZZ			00:19																				
ZZZZZZ			00:21																				
ZZZZZZ			00:25																				

DRAFT

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Instrument ID: ICPMS5 Method: 6020B

Start Date: 07/09/2024 11:01 End Date: 07/10/2024 02:49

Lab Sample ID	D / F	Type	Time	Analytes																			
				Ba	Ni																		
ZZZZZZ			00:28																				
ZZZZZZ			00:31																				
CCV 460-984282/290			00:33																				
CCB 460-984282/291			00:36																				
ZZZZZZ			00:38																				
ZZZZZZ			00:43																				
ZZZZZZ			00:45																				
ZZZZZZ			00:48																				
ZZZZZZ			00:50																				
ZZZZZZ			00:53																				
ZZZZZZ			00:55																				
ZZZZZZ			00:58																				
ZZZZZZ			01:00																				
ZZZZZZ			01:03																				
CCV 460-984282/302			01:05																				
CCB 460-984282/303			01:08																				
ZZZZZZ			01:10																				
ZZZZZZ			01:13																				
ZZZZZZ			01:15																				
ZZZZZZ			01:18																				
ZZZZZZ			01:20																				
ZZZZZZ			01:23																				
ZZZZZZ			01:25																				
ZZZZZZ			01:28																				
ZZZZZZ			01:30																				
ZZZZZZ			01:33																				
CCV 460-984282/314			01:35																				
CCB 460-984282/315			01:38																				
ZZZZZZ			01:40																				
ZZZZZZ			01:43																				
ZZZZZZ			01:45																				
ZZZZZZ			01:48																				
ZZZZZZ			01:50																				
ZZZZZZ			01:53																				
ZZZZZZ			01:55																				
ZZZZZZ			01:58																				
ZZZZZZ			02:00																				
ZZZZZZ			02:03																				
CCV 460-984282/326			02:05																				
CCB 460-984282/327			02:08																				
ZZZZZZ			02:21																				

DRAFT

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Instrument ID: ICPMS5 Method: 6020B

Start Date: 07/09/2024 11:01 End Date: 07/10/2024 02:49

Lab Sample ID	D / F	Type	Time	Analytes																			
				Ba	Ni																		
ZZZZZZ			02:24																				
ZZZZZZ			02:26																				
ZZZZZZ			02:29																				
ZZZZZZ			02:31																				
ZZZZZZ			02:34																				
ZZZZZZ			02:36																				
ZZZZZZ			02:39																				
ZZZZZZ			02:41																				
ZZZZZZ			02:44																				
CCV 460-984282/338			02:46																				
CCB 460-984282/339			02:49																				

Prep Types
R = Total Recoverable
T = Total/NA

DRAFT

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Instrument ID: LEEMAN6 Method: 7471B

Start Date: 07/09/2024 03:45 End Date: 07/09/2024 07:18

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			03:45																				
ZZZZZZ			03:47																				
ZZZZZZ			03:48																				
ZZZZZZ			03:50																				
ZZZZZZ			03:52																				
ZZZZZZ			03:54																				
ZZZZZZ			03:56																				
ZZZZZZ			03:57																				
ZZZZZZ			03:59																				
ZZZZZZ			04:00																				
ZZZZZZ			04:02																				
ZZZZZZ			04:03																				
ZZZZZZ			04:05																				
ZZZZZZ			04:07																				
ZZZZZZ			04:09																				
ZZZZZZ			04:11																				
ICIS 460-984181/17			04:12	X																			
IC 460-984146/2-A			04:14	X																			
IC 460-984146/3-A			04:16	X																			
IC 460-984146/4-A			04:17	X																			
IC 460-984146/5-A			04:19	X																			
IC 460-984146/6-A			04:21	X																			
ICV 460-984181/23	1		04:23	X																			
ICB 460-984181/24	1		04:25	X																			
CCV 460-984181/25			04:27																				
CCB 460-984181/26			04:29																				
ZZZZZZ			04:31																				
ZZZZZZ			04:33																				
ZZZZZZ			04:34																				
ZZZZZZ			04:36																				
ZZZZZZ			04:38																				
ZZZZZZ			04:40																				
ZZZZZZ			04:42																				
ZZZZZZ			04:43																				
ZZZZZZ			04:45																				
ZZZZZZ			04:47																				
CCV 460-984181/37			04:49																				
CCB 460-984181/38			04:51																				
ZZZZZZ			04:53																				
ZZZZZZ			04:55																				
ZZZZZZ			04:56																				

DRAFT

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Instrument ID: LEEMAN6 Method: 7471B

Start Date: 07/09/2024 03:45 End Date: 07/09/2024 07:18

Lab Sample ID	D/F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			04:58																				
ZZZZZZ			05:00																				
ZZZZZZ			05:02																				
ZZZZZZ			05:04																				
ZZZZZZ			05:06																				
ZZZZZZ			05:08																				
ZZZZZZ			05:09																				
CCV 460-984181/49	1		05:11	X																			
CCB 460-984181/50	1		05:13	X																			
ZZZZZZ			05:15																				
ZZZZZZ			05:17																				
ZZZZZZ			05:18																				
ZZZZZZ			05:20																				
ZZZZZZ			05:22																				
MB 460-984147/1-A	1	T	05:24	X																			
LCSSRM 460-984147/2-A ^20	20	T	05:25	X																			
ZZZZZZ			05:27																				
460-307022-D-1-G DU	1	T	05:29	X																			
460-307022-D-1-H MS	1	T	05:31	X																			
CCV 460-984181/61	1		05:33	X																			
CCB 460-984181/62	1		05:34	X																			
460-307022-D-1-F SD ^5	5	T	05:36	X																			
ZZZZZZ			05:38																				
ZZZZZZ			05:40																				
ZZZZZZ			05:42																				
ZZZZZZ			05:43																				
ZZZZZZ			05:45																				
ZZZZZZ			05:47																				
ZZZZZZ			05:49																				
ZZZZZZ			05:51																				
460-307050-1	1	T	05:52	X																			
CCV 460-984181/73	1		05:54	X																			
CCB 460-984181/74	1		05:56	X																			
460-307050-2	1	T	05:58	X																			
460-307050-3	1	T	06:00	X																			
460-307050-4	1	T	06:02	X																			
460-307050-5	1	T	06:03	X																			
460-307050-6	1	T	06:05	X																			
ZZZZZZ			06:07																				
ZZZZZZ			06:09																				

DRAFT

13-IN
ANALYSIS RUN LOG
METALS

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Instrument ID: LEEMAN6 Method: 7471B

Start Date: 07/09/2024 03:45 End Date: 07/09/2024 07:18

Lab Sample ID	D / F	Type	Time	Analytes																			
				Hg																			
ZZZZZZ			06:11																				
ZZZZZZ			06:13																				
ZZZZZZ			06:14																				
CCV 460-984181/85	1		06:16	X																			
CCB 460-984181/86	1		06:18	X																			
ZZZZZZ			06:20																				
ZZZZZZ			06:22																				
ZZZZZZ			06:23																				
ZZZZZZ			06:26																				
ZZZZZZ			06:27																				
ZZZZZZ			06:29																				
ZZZZZZ			06:31																				
ZZZZZZ			06:33																				
ZZZZZZ			06:34																				
ZZZZZZ			06:36																				
CCV 460-984181/97			06:38																				
CCB 460-984181/98			06:40																				
ZZZZZZ			06:42																				
ZZZZZZ			06:44																				
ZZZZZZ			06:45																				
ZZZZZZ			06:47																				
ZZZZZZ			06:49																				
ZZZZZZ			06:51																				
ZZZZZZ			06:52																				
ZZZZZZ			06:54																				
ZZZZZZ			06:56																				
ZZZZZZ			06:58																				
CCV 460-984181/109			07:00																				
CCB 460-984181/110			07:02																				
ZZZZZZ			07:04																				
ZZZZZZ			07:05																				
ZZZZZZ			07:07																				
ZZZZZZ			07:09																				
ZZZZZZ			07:10																				
ZZZZZZ			07:12																				
ZZZZZZ			07:14																				
CCV 460-984181/118			07:16																				
CCB 460-984181/119			07:18																				

DRAFT

Prep Types
T = Total/NA

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.: Analysis Batch No.: 984070

ICP-MS Instrument ID: ICPMS4 Start Date: 07/08/2024 End Date: 07/08/2024

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc/1	Q	Element Sc/2	Q	Element Sc/3	Q	Element Ge/2	Q
IC 460-984070/1	11:22	100		100		100		100		100	
IC 460-984070/2	11:24	100		100		99		101		99	
IC 460-984070/3	11:27	100		101		99		99		99	
IC 460-984070/4	11:30	99		100		99		100		100	
IC 460-984070/5	11:32	99		99		99		99		102	
IC 460-984070/6	11:35	100		98		98		100		102	
ICV 460-984070/7	11:38	99		100		99		99		102	
ICB 460-984070/8	11:40	97		98		99		98		99	
ICSA 460-984070/10	11:45	96		97		98		99		102	
ICSAB 460-984070/11	11:48	89		95		95		97		100	
LRC 460-984070/13	11:55	87		100		105		108		104	
LRC 460-984070/14	11:57	81		96		100		99		101	
LRC 460-984070/15	12:05	80		90		91		90		93	
CCV 460-984070/19	12:15	87		94		98		95		99	
CCB 460-984070/20	12:17	86		94		93		92		93	
CCV 460-984070/73	14:33	91		99		98		100		101	
CCB 460-984070/74	14:36	92		99		99		100		100	
MB 460-983997/1-A	14:38	91		98		98		99		98	
LCSSRM	14:43	94		97		97		98		101	
460-983997/2-A ^3 460-306985-F-6-B	14:46	90		99		98		100		102	
PDS 460-306985-F-6-D MS	14:48	89		98		100		101		104	
460-306985-F-6-C DU	14:51	89		99		101		102		104	
460-306985-F-6-B SD	14:56	89		99		100		101		102	
^5 CCV 460-984070/85	15:03	92		100		102		104		104	
CCB 460-984070/86	15:06	91		100		100		100		101	
CCV 460-984070/100	15:43	91		101		100		102		103	
CCB 460-984070/101	15:45	92		100		101		102		101	
460-307050-1	15:50	91		103		106		107		104	
460-307050-2	15:53	93		108		108		107		105	
460-307050-3	15:55	95		103		105		107		106	
460-307050-4	15:58	97		108		111		107		107	
460-307050-5	16:01	100		107		108		105		111	
460-307050-6	16:03	97		110		113		114		108	
CCV 460-984070/109	16:06	102		108		108		108		109	
CCB 460-984070/110	16:08	97		103		103		106		103	
IS Name on Instrument											

DRAFT

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.: Analysis Batch No.: 984070

ICP-MS Instrument ID: ICPMS4 Start Date: 07/08/2024 End Date: 07/08/2024

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Ge/3	Q	Element In	Q	Element Tb	Q	Element Bi	Q	Element	Q
IC 460-984070/1	11:22	100		100		100		100			
IC 460-984070/2	11:24	101		99		100		100			
IC 460-984070/3	11:27	98		98		99		99			
IC 460-984070/4	11:30	101		99		99		98			
IC 460-984070/5	11:32	100		97		98		96			
IC 460-984070/6	11:35	104		97		100		96			
ICV 460-984070/7	11:38	100		96		98		96			
ICB 460-984070/8	11:40	99		96		98		97			
ICSA 460-984070/10	11:45	105		94		98		93			
ICSAB 460-984070/11	11:48	104		94		96		93			
LRC 460-984070/13	11:55	111		101		101		92			
LRC 460-984070/14	11:57	104		95		98		94			
LRC 460-984070/15	12:05	95		89		93		94			
CCV 460-984070/19	12:15	101		95		98		97			
CCB 460-984070/20	12:17	92		91		95		96			
CCV 460-984070/73	14:33	105		99		99		98			
CCB 460-984070/74	14:36	101		100		100		99			
MB 460-983997/1-A	14:38	101		98		98		99			
LCSSRM	14:43	103		96		98		98			
460-983997/2-A ^3 460-306985-F-6-B	14:46	104		99		100		98			
PDS 460-306985-F-6-D MS	14:48	108		98		101		99			
460-306985-F-6-C DU	14:51	106		99		101		99			
460-306985-F-6-B SD	14:56	106		99		100		100			
^5 CCV 460-984070/85	15:03	106		101		101		99			
CCB 460-984070/86	15:06	104		101		100		100			
CCV 460-984070/100	15:43	105		99		101		99			
CCB 460-984070/101	15:45	103		101		102		101			
460-307050-1	15:50	110		100		103		100			
460-307050-2	15:53	106		99		101		95			
460-307050-3	15:55	110		104		105		103			
460-307050-4	15:58	109		100		103		97			
460-307050-5	16:01	113		104		106		104			
460-307050-6	16:03	112		104		108		100			
CCV 460-984070/109	16:06	111		106		106		103			
CCB 460-984070/110	16:08	107		105		105		104			
IS Name on Instrument											

DRAFT

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.: Analysis Batch No.: 984282

ICP-MS Instrument ID: ICPMS5 Start Date: 07/09/2024 End Date: 07/09/2024

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Li-6	Q	Element Sc/1	Q	Element Sc/2	Q	Element Sc/3	Q	Element Ge/2	Q
IC 460-984282/1	11:01	100		100		100		100		100	
IC 460-984282/2	11:04	99		98		100		101		99	
IC 460-984282/3	11:07	100		100		101		100		100	
IC 460-984282/4	11:09	100		100		102		101		102	
IC 460-984282/5	11:12	100		100		102		101		103	
IC 460-984282/6	11:15	100		100		101		100		102	
ICV 460-984282/7	11:17	102		100		104		102		105	
ICB 460-984282/8	11:20	104		102		102		103		101	
ICSA 460-984282/10	11:25	98		98		102		100		103	
ICSAB 460-984282/11	11:27	102		99		103		100		104	
LRC 460-984282/12	11:30	98		97		95		92		95	
LRC 460-984282/13	11:32	103		102		109		112		107	
LRC 460-984282/14	11:35	97		93		98		97		98	
CCV 460-984282/19	11:47	97		93		93		92		95	
CCB 460-984282/20	11:50	98		94		95		95		94	
CCV 460-984282/106	15:33	87		84		83		80		82	
CCB 460-984282/107	15:36	88		85		84		82		82	
460-307050-1	15:41	87		88		89		86		87	
460-307050-2	15:43	90		90		93		90		86	
460-307050-3	15:46	95		93		93		92		92	
460-307050-4	15:48	94		92		93		90		89	
460-307050-5	15:51	96		94		92		90		93	
460-307050-5	15:53	94		93		91		88		92	
460-307050-6	15:56	93		96		97		94		91	
CCV 460-984282/116	15:58	96		91		90		88		89	
CCB 460-984282/117	16:01	95		92		92		89		89	
IS Name on Instrument											

DRAFT

15-IN
ICP-MS INTERNAL STANDARDS RELATIVE INTENSITY SUMMARY
METALS

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.: Analysis Batch No.: 984282

ICP-MS Instrument ID: ICPMS5 Start Date: 07/09/2024 End Date: 07/09/2024

Lab Sample ID	Time	Internal Standards %RI For:									
		Element Ge/3	Q	Element In	Q	Element Tb	Q	Element Bi	Q	Element	Q
IC 460-984282/1	11:01	100		100		100		100			
IC 460-984282/2	11:04	100		99		99		100			
IC 460-984282/3	11:07	101		99		99		99			
IC 460-984282/4	11:09	103		100		99		97			
IC 460-984282/5	11:12	104		99		100		97			
IC 460-984282/6	11:15	104		98		99		96			
ICV 460-984282/7	11:17	105		99		100		98			
ICB 460-984282/8	11:20	103		102		100		100			
ICSA 460-984282/10	11:25	104		96		97		92			
ICSAB 460-984282/11	11:27	105		97		98		93			
LRC 460-984282/12	11:30	94		92		94		95			
LRC 460-984282/13	11:32	113		107		106		96			
LRC 460-984282/14	11:35	98		94		97		92			
CCV 460-984282/19	11:47	96		92		94		93			
CCB 460-984282/20	11:50	96		96		96		96			
CCV 460-984282/106	15:33	83		80		85		85			
CCB 460-984282/107	15:36	83		83		86		88			
460-307050-1	15:41	88		83		89		87			
460-307050-2	15:43	90		84		90		85			
460-307050-3	15:46	95		90		94		95			
460-307050-4	15:48	91		86		92		87			
460-307050-5	15:51	94		88		93		93			
460-307050-5	15:53	92		89		92		93			
460-307050-6	15:56	94		89		95		90			
CCV 460-984282/116	15:58	92		88		92		91			
CCB 460-984282/117	16:01	91		91		93		95			
IS Name on Instrument											

DRAFT

Sample Report

File Name 001SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A.b

Acq Time 2024-07-08 10:52:31

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas		ug/l		2000	
B	11	6	No Gas		ug/l		2000	
Na	23	45	He		ug/l		500000	
Mg	24	45	He		ug/l		500000	
Al	27	45	He		ug/l		500000	
K	39	45	He		ug/l		500000	
Ca	40	45	H2		ug/l		1000000	
Ti	47	45	No Gas		ug/l		10000	
V	51	45	He		ug/l		5000	
Cr	52	45	He		ug/l		20000	
Mn	55	45	He		ug/l		20000	
Fe	56	45	H2		ug/l		500000	
Co	59	45	He		ug/l		2000	
Ni	60	45	He		ug/l		20000	
Cu	63	45	He		ug/l		20000	
Zn	66	45	He		ug/l		20000	
As	75	74	He		ug/l		5000	
Se	78	74	H2		ug/l		3000	
Sr	88	115	He		ug/l		5000	
Mo	95	115	He		ug/l		2000	
Ag	107	115	He		ug/l		1000	
Cd	111	115	He		ug/l		5000	
Sn	118	115	He		ug/l		2000	
Sb	121	115	He		ug/l		1000	
Ba	137	159	He		ug/l		20000	
Tl	205	209	He		ug/l		1000	
[Pb]	206	209	He		ug/l			
[Pb]	207	209	He		ug/l			
Pb	208	209	He		ug/l		20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	3796889.84	0.7		60	125	
Sc (ISICPMS)	45	No Gas	4791530.90	0.4		60	125	
Sc (ISICPMS)	45	H2	1245954.89	2.2		60	125	
Sc (ISICPMS)	45	He	46126.90	1.3		60	125	
Ge (IS)	74	H2	222860.42	1.2		60	125	
Ge (IS)	74	He	26114.93	1.5		60	125	
Kr	83	He	3.34	173.2				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	59248.51	0.6		60	125	
Tb (IS)	159	He	322833.03	0.8		60	125	
Bi (IS)	209	He	246091.37	1.3		60	125	

DRAFT

Sample Report

File Name 001SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 11:14:32

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas		ug/l		2000	
B	11	6	No Gas		ug/l		2000	
Na	23	45	He		ug/l		500000	
Mg	24	45	He		ug/l		500000	
Al	27	45	He		ug/l		500000	
K	39	45	He		ug/l		500000	
Ca	40	45	H2		ug/l		1000000	
Ti	47	45	No Gas		ug/l		10000	
V	51	45	He		ug/l		5000	
Cr	52	45	He		ug/l		20000	
Mn	55	45	He		ug/l		20000	
Fe	56	45	H2		ug/l		500000	
Co	59	45	He		ug/l		2000	
Ni	60	45	He		ug/l		20000	
Cu	63	45	He		ug/l		20000	
Zn	66	45	He		ug/l		20000	
As	75	74	He		ug/l		5000	
Se	78	74	H2		ug/l		3000	
Sr	88	115	He		ug/l		5000	
Mo	95	115	He		ug/l		2000	
Ag	107	115	He		ug/l		1000	
Cd	111	115	He		ug/l		5000	
Sn	118	115	He		ug/l		2000	
Sb	121	115	He		ug/l		1000	
Ba	137	159	He		ug/l		20000	
Tl	205	209	He		ug/l		1000	
[Pb]	206	209	He		ug/l			
[Pb]	207	209	He		ug/l			
Pb	208	209	He		ug/l		20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4886899.16	0.7		60	125	
Sc (ISICPMS)	45	No Gas	4900855.38	1.5		60	125	
Sc (ISICPMS)	45	H2	1260962.99	0.6		60	125	
Sc (ISICPMS)	45	He	46965.41	1.4		60	125	
Ge (IS)	74	H2	226551.16	0.4		60	125	
Ge (IS)	74	He	26914.04	1.8		60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	61631.30	1.5		60	125	
Tb (IS)	159	He	336820.03	1.2		60	125	
Bi (IS)	209	He	255698.26	0.9		60	125	

DRAFT

Sample Report

File Name 002SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 11:17:03

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas		ug/l		2000	
B	11	6	No Gas		ug/l		2000	
Na	23	45	He		ug/l		500000	
Mg	24	45	He		ug/l		500000	
Al	27	45	He		ug/l		500000	
K	39	45	He		ug/l		500000	
Ca	40	45	H2		ug/l		1000000	
Ti	47	45	No Gas		ug/l		10000	
V	51	45	He		ug/l		5000	
Cr	52	45	He		ug/l		20000	
Mn	55	45	He		ug/l		20000	
Fe	56	45	H2		ug/l		500000	
Co	59	45	He		ug/l		2000	
Ni	60	45	He		ug/l		20000	
Cu	63	45	He		ug/l		20000	
Zn	66	45	He		ug/l		20000	
As	75	74	He		ug/l		5000	
Se	78	74	H2		ug/l		3000	
Sr	88	115	He		ug/l		5000	
Mo	95	115	He		ug/l		2000	
Ag	107	115	He		ug/l		1000	
Cd	111	115	He		ug/l		5000	
Sn	118	115	He		ug/l		2000	
Sb	121	115	He		ug/l		1000	
Ba	137	159	He		ug/l		20000	
Tl	205	209	He		ug/l		1000	
[Pb]	206	209	He		ug/l			
[Pb]	207	209	He		ug/l			
Pb	208	209	He		ug/l		20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4912167.05	0.7		60	125	
Sc (ISICPMS)	45	No Gas	4820914.58	1.3		60	125	
Sc (ISICPMS)	45	H2	1275900.08	0.6		60	125	
Sc (ISICPMS)	45	He	46055.77	0.6		60	125	
Ge (IS)	74	H2	228654.94	0.3		60	125	
Ge (IS)	74	He	26312.15	0.6		60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	59626.03	1.2		60	125	
Tb (IS)	159	He	331059.12	0.3		60	125	
Bi (IS)	209	He	251417.86	0.7		60	125	

DRAFT

Sample Report

File Name 003SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 11:19:34

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas		ug/l		2000	
B	11	6	No Gas		ug/l		2000	
Na	23	45	He		ug/l		500000	
Mg	24	45	He		ug/l		500000	
Al	27	45	He		ug/l		500000	
K	39	45	He		ug/l		500000	
Ca	40	45	H2		ug/l		1000000	
Ti	47	45	No Gas		ug/l		10000	
V	51	45	He		ug/l		5000	
Cr	52	45	He		ug/l		20000	
Mn	55	45	He		ug/l		20000	
Fe	56	45	H2		ug/l		500000	
Co	59	45	He		ug/l		2000	
Ni	60	45	He		ug/l		20000	
Cu	63	45	He		ug/l		20000	
Zn	66	45	He		ug/l		20000	
As	75	74	He		ug/l		5000	
Se	78	74	H2		ug/l		3000	
Sr	88	115	He		ug/l		5000	
Mo	95	115	He		ug/l		2000	
Ag	107	115	He		ug/l		1000	
Cd	111	115	He		ug/l		5000	
Sn	118	115	He		ug/l		2000	
Sb	121	115	He		ug/l		1000	
Ba	137	159	He		ug/l		20000	
Tl	205	209	He		ug/l		1000	
[Pb]	206	209	He		ug/l			
[Pb]	207	209	He		ug/l			
Pb	208	209	He		ug/l		20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4951983.60	0.6		60	125	
Sc (ISICPMS)	45	No Gas	4803694.65	1.3		60	125	
Sc (ISICPMS)	45	H2	1275863.03	0.4		60	125	
Sc (ISICPMS)	45	He	47639.91	1.5		60	125	
Ge (IS)	74	H2	227556.59	0.7		60	125	
Ge (IS)	74	He	27351.97	0.9		60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	61314.65	0.3		60	125	
Tb (IS)	159	He	343647.12	0.6		60	125	
Bi (IS)	209	He	259977.98	0.7		60	125	

DRAFT

Calibration Blank

File Name 004CALB.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 11:22:04

Sample Name **IC CAL-Blk**

Comment ---

Dilution 1.0000

Full Quant Table 1101

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	6	No Gas	15.56	12.4
B	11	6	No Gas	7977.86	1.2
Na	23	45	He	30813.86	0.4
Mg	24	45	He	186.67	14.3
Al	27	45	He	43.33	23.1
K	39	45	He	3578.27	2.2
Ca	40	45	H2	55326.82	1.2
Ti	47	45	No Gas	2328.10	3.7
V	51	45	He	181.12	8.7
Cr	52	45	He	1920.15	3.9
Mn	55	45	He	167.78	13.5
Fe	56	45	H2	97078.88	1.6
Co	59	45	He	65.55	38.8
Ni	60	45	He	3972.83	1.7
Cu	63	45	He	616.69	1.1
Zn	66	45	He	266.67	3.7
As	75	74	He	6.67	50.0
Se	78	74	H2	6.67	50.0
Sr	88	115	He	14.44	58.1
Mo	95	115	He	27.78	38.6
Ag	107	115	He	12.22	31.5
Cd	111	115	He	0.00	N/A
Sn	118	115	He	441.12	2.4
Sb	121	115	He	11.11	75.5
Ba	137	159	He	12.22	56.8
Tl	205	209	He	196.67	5.9
[Pb]	206	209	He	136.67	14.6
[Pb]	207	209	He	98.89	14.0
Pb	208	209	He	482.23	8.1

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %
Li (IS)	6	No Gas	5048419.51	0.9	100.0
Sc (ISICPMS)	45	No Gas	4850282.25	1.5	100.0
Sc (ISICPMS)	45	H2	1287080.72	0.5	100.0
Sc (ISICPMS)	45	He	46765.74	0.7	100.0
Ge (IS)	74	H2	231216.74	0.0	100.0
Ge (IS)	74	He	27321.82	2.4	100.0
Kr	83	He	0.00	N/A	

DRAFT

Calibration Blank

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %
In-1	115	He	61558.46	1.7	100.0
Tb (IS)	159	He	338695.96	0.5	100.0
Bi (IS)	209	He	258024.89	0.2	100.0

DRAFT

Calibration Standard

File Name 005CALS.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 11:24:47

Sample Name **IC CAL1**

Comment ---

Dilution 1.0000

Vial # 1102

FullQuant Table

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	6	No Gas	1141.17	9.5
B	11	6	No Gas	89248.57	1.5
Na	23	45	He	42939.03	1.5
Mg	24	45	He	5841.26	1.5
Al	27	45	He	282.23	14.9
K	39	45	He	5835.71	1.0
Ca	40	45	H2	222611.66	0.4
Ti	47	45	No Gas	4246.42	2.1
V	51	45	He	1337.85	1.4
Cr	52	45	He	3570.49	2.4
Mn	55	45	He	1253.40	9.6
Fe	56	45	H2	314973.30	0.5
Co	59	45	He	3067.03	1.2
Ni	60	45	He	4840.89	2.0
Cu	63	45	He	3162.61	2.2
Zn	66	45	He	1246.73	4.5
As	75	74	He	81.11	6.3
Se	78	74	H2	170.00	16.8
Sr	88	115	He	451.12	4.1
Mo	95	115	He	1068.94	2.8
Ag	107	115	He	2065.73	4.5
Cd	111	115	He	185.56	7.5
Sn	118	115	He	2984.80	2.8
Sb	121	115	He	404.45	7.7
Ba	137	159	He	222.23	18.8
Tl	205	209	He	1991.28	2.5
[Pb]	206	209	He	926.71	2.7
[Pb]	207	209	He	828.92	4.8
Pb	208	209	He	3709.13	1.4

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5056393.88	1.3	100.2	60	125	
Sc (ISICPMS)	45	No Gas	4840719.06	0.2	99.8	60	125	
Sc (ISICPMS)	45	H2	1277315.87	0.5	99.2	60	125	
Sc (ISICPMS)	45	He	47009.94	0.4	100.5	60	125	
Ge (IS)	74	H2	228853.66	0.2	99.0	60	125	

DRAFT

Calibration Standard

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Ge (IS)	74	He	27529.17	1.2	100.8	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	61107.79	1.0	99.3	60	125	
Tb (IS)	159	He	337985.67	0.9	99.8	60	125	
Bi (IS)	209	He	258132.34	1.6	100.0	60	125	

DRAFT

Calibration Standard

File Name 006CALS.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 11:27:31

Sample Name **IC CAL2**

Comment ---

Dilution 1.0000

Vial # 1103

FullQuant Table

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	6	No Gas	5854.58	1.5
B	11	6	No Gas	417111.07	0.9
Na	23	45	He	91696.11	1.0
Mg	24	45	He	27697.45	0.5
Al	27	45	He	1303.40	7.5
K	39	45	He	14764.59	2.5
Ca	40	45	H2	890581.72	0.3
Ti	47	45	No Gas	11628.74	1.4
V	51	45	He	5914.64	1.2
Cr	52	45	He	9826.90	0.6
Mn	55	45	He	5593.39	2.5
Fe	56	45	H2	1179930.04	0.4
Co	59	45	He	15108.39	0.8
Ni	60	45	He	8243.63	0.9
Cu	63	45	He	13407.76	1.4
Zn	66	45	He	5139.89	0.5
As	75	74	He	345.56	3.9
Se	78	74	H2	756.70	7.7
Sr	88	115	He	2243.54	2.3
Mo	95	115	He	5272.19	5.4
Ag	107	115	He	10175.08	3.1
Cd	111	115	He	995.60	4.5
Sn	118	115	He	12849.64	1.0
Sb	121	115	He	1987.94	6.0
Ba	137	159	He	1177.84	11.5
Tl	205	209	He	8522.95	1.9
[Pb]	206	209	He	4087.36	1.1
[Pb]	207	209	He	3563.86	1.6
Pb	208	209	He	16800.19	2.1

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5059748.64	2.3	100.2	60	125	
Sc (ISICPMS)	45	No Gas	4872917.46	1.6	100.5	60	125	
Sc (ISICPMS)	45	H2	1268398.71	1.7	98.5	60	125	
Sc (ISICPMS)	45	He	46434.68	2.1	99.3	60	125	
Ge (IS)	74	H2	228424.82	1.0	98.8	60	125	

DRAFT

Calibration Standard

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Ge (IS)	74	He	26693.68	1.1	97.7	60	125	
Kr	83	He	3.34	173.2				
In-1	115	He	60032.69	1.8	97.5	60	125	
Tb (IS)	159	He	335683.91	0.7	99.1	60	125	
Bi (IS)	209	He	256417.98	0.8	99.4	60	125	

DRAFT

Calibration Standard

File Name 007CALS.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 11:30:14

Sample Name **IC CAL3**

Comment ---

Dilution 1.0000

Vial # 1104

FullQuant Table

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	6	No Gas	75662.80	0.7
B	11	6	No Gas	145016.72	1.6
Na	23	45	He	824919.70	0.4
Mg	24	45	He	353953.90	0.4
Al	27	45	He	76733.45	0.4
K	39	45	He	144145.51	0.8
Ca	40	45	H2	10458904.98	1.3
Ti	47	45	No Gas	25529.11	0.5
V	51	45	He	14197.40	1.2
Cr	52	45	He	22240.28	2.3
Mn	55	45	He	6962.92	2.1
Fe	56	45	H2	22761232.16	1.0
Co	59	45	He	38163.17	2.1
Ni	60	45	He	14728.00	2.3
Cu	63	45	He	32506.45	1.0
Zn	66	45	He	8120.25	2.7
As	75	74	He	1675.68	11.9
Se	78	74	H2	3182.62	1.5
Sr	88	115	He	5422.25	3.7
Mo	95	115	He	13127.62	0.8
Ag	107	115	He	25843.01	0.4
Cd	111	115	He	4694.20	1.3
Sn	118	115	He	8318.23	1.5
Sb	121	115	He	9790.36	3.7
Ba	137	159	He	2971.47	2.7
Tl	205	209	He	103117.14	1.6
[Pb]	206	209	He	32751.87	1.4
[Pb]	207	209	He	29156.33	1.7
Pb	208	209	He	133541.85	0.5

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4994217.91	1.2	98.9	60	125	
Sc (ISICPMS)	45	No Gas	4825032.29	0.5	99.5	60	125	
Sc (ISICPMS)	45	H2	1271257.92	0.7	98.8	60	125	
Sc (ISICPMS)	45	He	46700.09	1.6	99.9	60	125	
Ge (IS)	74	H2	231970.78	1.0	100.3	60	125	

DRAFT

Calibration Standard

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Ge (IS)	74	He	27686.33	0.3	101.3	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	60681.88	0.8	98.6	60	125	
Tb (IS)	159	He	335925.14	0.3	99.2	60	125	
Bi (IS)	209	He	251909.71	0.7	97.6	60	125	

DRAFT

Calibration Standard

File Name 008CALS.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 11:32:57

Sample Name **IC CAL4**

Comment ---

Dilution 1.0000

Vial # 1105

FullQuant Table

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	6	No Gas	151724.03	1.3
B	11	6	No Gas	274625.17	1.1
Na	23	45	He	1586433.66	1.1
Mg	24	45	He	693287.08	0.6
Al	27	45	He	152305.91	2.4
K	39	45	He	279608.69	1.5
Ca	40	45	H2	20828516.08	0.4
Ti	47	45	No Gas	48770.66	0.5
V	51	45	He	27526.50	1.4
Cr	52	45	He	41455.84	0.5
Mn	55	45	He	13952.71	1.9
Fe	56	45	H2	45183272.10	0.8
Co	59	45	He	74639.09	0.4
Ni	60	45	He	25352.40	2.3
Cu	63	45	He	62953.45	1.3
Zn	66	45	He	16200.83	0.5
As	75	74	He	3341.54	2.6
Se	78	74	H2	6385.99	2.6
Sr	88	115	He	10967.87	0.7
Mo	95	115	He	26038.73	1.1
Ag	107	115	He	50929.66	1.1
Cd	111	115	He	9606.87	2.9
Sn	118	115	He	16058.74	1.1
Sb	121	115	He	19428.82	0.8
Ba	137	159	He	5754.72	5.5
Tl	205	209	He	205427.72	1.5
[Pb]	206	209	He	64254.57	0.6
[Pb]	207	209	He	56853.42	1.0
Pb	208	209	He	262068.70	1.2

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4998175.90	1.3	99.0	60	125	
Sc (ISICPMS)	45	No Gas	4819168.64	1.4	99.4	60	125	
Sc (ISICPMS)	45	H2	1270658.84	1.2	98.7	60	125	
Sc (ISICPMS)	45	He	46341.06	1.5	99.1	60	125	
Ge (IS)	74	H2	234609.37	0.3	101.5	60	125	

DRAFT

Calibration Standard

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Ge (IS)	74	He	27408.91	1.0	100.3	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	59573.75	0.9	96.8	60	125	
Tb (IS)	159	He	330727.27	0.7	97.6	60	125	
Bi (IS)	209	He	246487.55	1.0	95.5	60	125	

DRAFT

Calibration Standard

File Name 009CALS.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 11:35:40

Sample Name **IC CAL5**

Comment ---

Dilution 1.0000

Vial # 1106

FullQuant Table

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	6	No Gas	294734.50	0.8
B	11	6	No Gas	535488.70	1.6
Na	23	45	He	3163482.35	0.6
Mg	24	45	He	1382121.10	0.2
Al	27	45	He	304930.49	0.1
K	39	45	He	566216.78	0.4
Ca	40	45	H2	41431831.05	0.7
Ti	47	45	No Gas	94514.92	1.1
V	51	45	He	55688.11	0.6
Cr	52	45	He	82923.60	1.7
Mn	55	45	He	27515.44	2.5
Fe	56	45	H2	89885910.88	0.6
Co	59	45	He	152137.57	0.9
Ni	60	45	He	47805.49	0.5
Cu	63	45	He	125820.06	1.1
Zn	66	45	He	31875.03	1.0
As	75	74	He	6746.17	3.3
Se	78	74	H2	12759.43	1.5
Sr	88	115	He	22330.84	1.5
Mo	95	115	He	52171.66	0.6
Ag	107	115	He	103804.66	0.2
Cd	111	115	He	19469.96	1.0
Sn	118	115	He	32070.15	0.9
Sb	121	115	He	39237.24	1.0
Ba	137	159	He	11796.53	2.0
Tl	205	209	He	409909.43	1.3
[Pb]	206	209	He	128642.00	0.5
[Pb]	207	209	He	114379.52	0.6
Pb	208	209	He	525173.52	0.4

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5023924.09	1.3	99.5	60	125	
Sc (ISICPMS)	45	No Gas	4764500.90	0.2	98.2	60	125	
Sc (ISICPMS)	45	H2	1265633.72	1.2	98.3	60	125	
Sc (ISICPMS)	45	He	46694.35	0.4	99.8	60	125	
Ge (IS)	74	H2	236238.36	1.0	102.2	60	125	

DRAFT

Calibration Standard

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Ge (IS)	74	He	28492.04	2.7	104.3	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	59952.60	0.7	97.4	60	125	
Tb (IS)	159	He	338881.60	0.5	100.1	60	125	
Bi (IS)	209	He	246627.11	0.9	95.6	60	125	

DRAFT

Initial Calibration Verification (ICV)

File Name 010_ICV.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 11:38:22

Sample Name **ICV**

Comment ---

Dilution 1.0000

Vial # 1201

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	81.246	ug/l	2.9	80	72	88	
B	11	6	No Gas	210.639	ug/l	1.3	200	180	220	
Na	23	45	He	20045.071	ug/l	0.7	20000	18000	22000	
Mg	24	45	He	20216.964	ug/l	1.0	20000	18000	22000	
Al	27	45	He	19956.227	ug/l	1.2	20000	18000	22000	
K	39	45	He	19864.277	ug/l	0.1	20000	18000	22000	
Ca	40	45	H2	20052.646	ug/l	0.8	20000	18000	22000	
Ti	47	45	No Gas	79.799	ug/l	0.5	80	72	88	
V	51	45	He	79.511	ug/l	0.7	80	72	88	
Cr	52	45	He	79.015	ug/l	0.4	80	72	88	
Mn	55	45	He	79.440	ug/l	0.6	80	72	88	
Fe	56	45	H2	20282.379	ug/l	1.3	20000	18000	22000	
Co	59	45	He	78.928	ug/l	1.0	80	72	88	
Ni	60	45	He	79.231	ug/l	2.0	80	72	88	
Cu	63	45	He	81.643	ug/l	0.7	80	72	88	
Zn	66	45	He	203.203	ug/l	0.5	200	180	220	
As	75	74	He	80.535	ug/l	4.1	80	72	88	
Se	78	74	H2	80.665	ug/l	2.0	80	72	88	
Sr	88	115	He	78.827	ug/l	2.4	80	72	88	
Mo	95	115	He	79.980	ug/l	1.9	80	72	88	
Ag	107	115	He	39.899	ug/l	1.7	40	36	44	
Cd	111	115	He	79.526	ug/l	2.7	80	72	88	
Sn	118	115	He	81.558	ug/l	3.1	80	72	88	
Sb	121	115	He	80.771	ug/l	1.8	80	72	88	
Ba	137	159	He	81.631	ug/l	2.7	80	72	88	
Tl	205	209	He	80.023	ug/l	0.4	80	72	88	
[Pb]	206	209	He	80.154	ug/l	0.5				
[Pb]	207	209	He	79.624	ug/l	1.5				
Pb	208	209	He	79.666	ug/l	0.7	80	72	88	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5001011.73	2.1	99.1	60	125	
Sc (ISICPMS)	45	No Gas	4836235.90	0.5	99.7	60	125	
Sc (ISICPMS)	45	H2	1271028.84	0.5	98.8	60	125	
Sc (ISICPMS)	45	He	46437.87	0.5	99.3	60	125	
Ge (IS)	74	H2	236020.41	1.0	102.1	60	125	
Ge (IS)	74	He	27221.62	1.2	99.6	60	125	

DRAFT

Initial Calibration Verification (ICV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	3.34	173.2				
In-1	115	He	59295.67	1.0	96.3	60	125	
Tb (IS)	159	He	331683.11	0.5	97.9	60	125	
Bi (IS)	209	He	247789.12	0.5	96.0	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 011_ICB.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 11:40:53

Sample Name **ICB**

Comment ---

Dilution 1.0000

Multiquant Table 1101

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.017	ug/l	24.3	0.4	-0.4	0.4	
B	11	6	No Gas	4.773	ug/l	3.8	20	-20	20	
Na	23	45	He	10.821	ug/l	87.6	250	-250	250	
Mg	24	45	He	0.874	ug/l	58.9	100	-100	100	
Al	27	45	He	2.375	ug/l	182.7	20	-20	20	
K	39	45	He	8.428	ug/l	120.6	100	-100	100	
Ca	40	45	H2	0.931	ug/l	30.4	250	-250	250	
Ti	47	45	No Gas	-0.066	ug/l	N/A	2	-2	2	
V	51	45	He	0.186	ug/l	92.5	2	-2	2	
Cr	52	45	He	0.029	ug/l	642.5	2	-2	2	
Mn	55	45	He	-0.166	ug/l	N/A	4	-4	4	
Fe	56	45	H2	0.698	ug/l	81.3	30	-30	30	
Co	59	45	He	0.048	ug/l	37.1	2	-2	2	
Ni	60	45	He	-0.588	ug/l	N/A	2	-2	2	
Cu	63	45	He	-0.016	ug/l	N/A	2	-2	2	
Zn	66	45	He	0.429	ug/l	40.5	8	-8	8	
As	75	74	He	-0.171	ug/l	N/A	1	-1	1	
Se	78	74	H2	0.055	ug/l	0.3	1.25	-1.25	1.25	
Sr	88	115	He	0.046	ug/l	191.9	2	-2	2	
Mo	95	115	He	0.078	ug/l	76.4	2	-2	2	
Ag	107	115	He	0.006	ug/l	114.9	1	-1	1	
Cd	111	115	He	0.035	ug/l	100.0	1	-1	1	
Sn	118	115	He	-0.178	ug/l	N/A	8	-8	8	
Sb	121	115	He	0.100	ug/l	46.2	1	-1	1	
Ba	137	159	He	0.001	ug/l	6865.3	2	-2	2	
Tl	205	209	He	0.028	ug/l	43.9	0.4	-0.4	0.4	
[Pb]	206	209	He	-0.032	ug/l	N/A				
[Pb]	207	209	He	0.045	ug/l	66.6				
Pb	208	209	He	0.016	ug/l	111.1	0.6	-0.6	0.6	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	4887317.15	1.0	96.8	60	125	
Sc (ISICPMS)	45	No Gas	4747334.89	0.7	97.9	60	125	
Sc (ISICPMS)	45	H2	1271779.36	0.6	98.8	60	125	
Sc (ISICPMS)	45	He	45815.91	1.4	98.0	60	125	
Ge (IS)	74	H2	228759.72	0.1	98.9	60	125	
Ge (IS)	74	He	27034.30	0.8	98.9	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	59217.15	0.4	96.2	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	330863.55	1.3	97.7	60	125	
Bi (IS)	209	He	251264.46	1.2	97.4	60	125	

DRAFT

CRQL Check Standard (CRI)

File Name 012_CRI.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 11:43:23

Sample Name **CRI**

Comment ---

Dilution 1.0000

Vial # 1102

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.856	ug/l	1.1	0.8	0.4	1.2	
B	11	6	No Gas	80.501	ug/l	1.5	80	40	120	
Na	23	45	He	203.581	ug/l	7.4	200	100	300	
Mg	24	45	He	202.034	ug/l	4.3	200	100	300	
Al	27	45	He	41.497	ug/l	6.8	40	20	60	
K	39	45	He	209.193	ug/l	2.8	200	100	300	
Ca	40	45	H2	202.498	ug/l	2.4	200	100	300	
Ti	47	45	No Gas	3.892	ug/l	1.5	4	2	6	
V	51	45	He	3.963	ug/l	6.2	4	2	6	
Cr	52	45	He	3.846	ug/l	4.9	4	2	6	
Mn	55	45	He	7.360	ug/l	6.6	8	4	12	
Fe	56	45	H2	120.336	ug/l	2.1	120	60	180	
Co	59	45	He	3.980	ug/l	4.3	4	2	6	
Ni	60	45	He	2.618	ug/l	34.3	4	2	6	
Cu	63	45	He	4.191	ug/l	6.6	4	2	6	
Zn	66	45	He	16.408	ug/l	8.1	16	8	24	
As	75	74	He	2.147	ug/l	25.5	2	1	3	
Se	78	74	H2	2.166	ug/l	5.9	2.5	1.25	3.75	
Sr	88	115	He	3.839	ug/l	9.6	4	2	6	
Mo	95	115	He	3.738	ug/l	1.9	4	2	6	
Ag	107	115	He	1.903	ug/l	2.0	2	1	3	
Cd	111	115	He	2.052	ug/l	9.8	2	1	3	
Sn	118	115	He	15.819	ug/l	4.2	16	8	24	
Sb	121	115	He	2.009	ug/l	1.6	2	1	3	
Ba	137	159	He	4.011	ug/l	7.9	4	2	6	
Tl	205	209	He	0.757	ug/l	6.5	0.8	0.4	1.2	
[Pb]	206	209	He	1.151	ug/l	1.0				
[Pb]	207	209	He	1.141	ug/l	4.2				
Pb	208	209	He	1.141	ug/l	3.3	1.2	0.6	1.8	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	4856445.10	1.1	96.2	60	125	
Sc (ISICPMS)	45	No Gas	4707097.29	1.4	97.0	60	125	
Sc (ISICPMS)	45	H2	1271575.73	1.2	98.8	60	125	
Sc (ISICPMS)	45	He	46679.93	1.6	99.8	60	125	
Ge (IS)	74	H2	229533.19	1.0	99.3	60	125	
Ge (IS)	74	He	27749.85	1.5	101.6	60	125	

DRAFT

CRQL Check Standard (CRI)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	6.67	86.6				
In-1	115	He	60968.40	2.0	99.0	60	125	
Tb (IS)	159	He	337697.07	1.8	99.7	60	125	
Bi (IS)	209	He	257955.39	0.7	100.0	60	125	

DRAFT

Interference Check Standard-A (ICSA)

File Name 013ICSA.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 11:45:55

Sample Name **ICSA 11845754**

Comment ---

Dilution 1.0000

Full Quant Table 4508

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.070	ug/l	14.9	0.8	-1.6	1.6	
B	11	6	No Gas	3.832	ug/l	7.0	80	-160	160	
Na	23	45	He	102328.862	ug/l	1.3	100000	80000	120000	
Mg	24	45	He	101439.955	ug/l	1.9	100000	80000	120000	
Al	27	45	He	100967.984	ug/l	1.2	100000	80000	120000	
K	39	45	He	100212.922	ug/l	0.9	100000	80000	120000	
Ca	40	45	H2	101829.480	ug/l	0.3	100000	80000	120000	
Ti	47	45	No Gas	2214.075	ug/l	1.1	2000	1600	2400	
V	51	45	He	0.363	ug/l	35.0	4	-8	8	
Cr	52	45	He	2.008	ug/l	7.3	4	-8	8	
Mn	55	45	He	1.710	ug/l	6.0	8	-16	16	
Fe	56	45	H2	102025.123	ug/l	0.2	100000	80000	120000	
Co	59	45	He	0.457	ug/l	15.3	4	-8	8	
Ni	60	45	He	-0.450	ug/l	N/A	4	-8	8	
Cu	63	45	He	1.214	ug/l	13.7	4	-8	8	
Zn	66	45	He	5.196	ug/l	18.0	16	-32	32	
As	75	74	He	0.219	ug/l	114.9	2	-4	4	
Se	78	74	H2	0.085	ug/l	35.8	2.5	-5	5	
Sr	88	115	He	0.906	ug/l	22.7	4	-8	8	
Mo	95	115	He	2123.308	ug/l	0.6	2000	-4000	4000	
Ag	107	115	He	0.038	ug/l	15.0	2	-4	4	
Cd	111	115	He	0.579	ug/l	33.6	2	-4	4	
Sn	118	115	He	-0.775	ug/l	N/A	16	-32	32	
Sb	121	115	He	0.325	ug/l	17.4	2	-4	4	
Ba	137	159	He	1.433	ug/l	8.4	4	-8	8	
Tl	205	209	He	0.031	ug/l	27.6	0.8	-1.6	1.6	
[Pb]	206	209	He	0.955	ug/l	2.4				
[Pb]	207	209	He	0.915	ug/l	5.8				
Pb	208	209	He	0.940	ug/l	1.5	1.2	-2.4	2.4	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	4818817.04	1.8	95.5	60	125	
Sc (ISICPMS)	45	No Gas	4721871.67	1.6	97.4	60	125	
Sc (ISICPMS)	45	H2	1262845.18	0.6	98.1	60	125	
Sc (ISICPMS)	45	He	46210.57	0.9	98.8	60	125	
Ge (IS)	74	H2	235934.55	0.4	102.0	60	125	
Ge (IS)	74	He	28689.42	1.2	105.0	60	125	

DRAFT

Interference Check Standard-A (ICSA)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	0.00	N/A				
In-1	115	He	58062.47	0.2	94.3	60	125	
Tb (IS)	159	He	330085.26	0.4	97.5	60	125	
Bi (IS)	209	He	240472.05	1.2	93.2	60	125	

DRAFT

Interference Check Standard-AB (ICSAB)

File Name 014ICSB.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 11:48:27

Sample Name **ICSAB 11845234**

Comment ---

Dilution 1.0000

Multiplier Table 4509

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	208.843	ug/l	1.1	200	-400	400	
B	11	6	No Gas	3.447	ug/l	5.4				
Na	23	45	He	103106.596	ug/l	1.5	100000	80000	120000	
Mg	24	45	He	100082.102	ug/l	1.3	100000	80000	120000	
Al	27	45	He	100353.375	ug/l	0.9	100000	80000	120000	
K	39	45	He	99878.737	ug/l	1.3	100000	80000	120000	
Ca	40	45	H2	101856.895	ug/l	0.9	100000	80000	120000	
Ti	47	45	No Gas	2202.505	ug/l	0.7	2000	1600	2400	
V	51	45	He	207.545	ug/l	2.6	200	160	240	
Cr	52	45	He	204.535	ug/l	1.3	200	160	240	
Mn	55	45	He	193.999	ug/l	1.5	200	160	240	
Fe	56	45	H2	102706.606	ug/l	1.0	100000	80000	120000	
Co	59	45	He	202.917	ug/l	1.4	200	160	240	
Ni	60	45	He	201.446	ug/l	2.7	200	160	240	
Cu	63	45	He	202.225	ug/l	1.5	200	160	240	
Zn	66	45	He	198.950	ug/l	1.6	200	160	240	
As	75	74	He	196.957	ug/l	4.4	200	160	240	
Se	78	74	H2	194.496	ug/l	1.5	200	160	240	
Sr	88	115	He	202.732	ug/l	1.3	200	-400	400	
Mo	95	115	He	2113.392	ug/l	1.1	2000	1600	2400	
Ag	107	115	He	199.916	ug/l	1.4	200	160	240	
Cd	111	115	He	206.418	ug/l	1.1	200	160	240	
Sn	118	115	He	208.666	ug/l	2.5	200	-400	400	
Sb	121	115	He	104.106	ug/l	1.8	100	-200	200	
Ba	137	159	He	204.264	ug/l	1.4	200	-400	400	
Tl	205	209	He	103.720	ug/l	1.3	100	-200	200	
[Pb]	206	209	He	211.415	ug/l	1.2				
[Pb]	207	209	He	206.439	ug/l	0.8				
Pb	208	209	He	208.104	ug/l	1.3	200	-400	400	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	4480838.55	2.1	88.8	60	125	
Sc (ISICPMS)	45	No Gas	4629244.20	1.9	95.4	60	125	
Sc (ISICPMS)	45	H2	1226625.96	0.7	95.3	60	125	
Sc (ISICPMS)	45	He	45536.14	2.1	97.4	60	125	
Ge (IS)	74	H2	230835.18	0.2	99.8	60	125	
Ge (IS)	74	He	28431.87	2.5	104.1	60	125	

DRAFT

Interference Check Standard-AB (ICSAB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	0.00	N/A				
In-1	115	He	57905.15	1.9	94.1	60	125	
Tb (IS)	159	He	325639.79	1.2	96.1	60	125	
Bi (IS)	209	He	238590.61	1.1	92.5	60	125	

DRAFT

Linear Range Check (LRC)

File Name 015LRCA.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 11:50:59

Sample Name **LRC 11855591**

Comment LRC-A

Dilution 1.0000

Vial # 4510

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	2218.248	ug/l	1.6	2000	1800	2200	fail 6020B
B	11	6	No Gas	1.816	ug/l	11.7				
Na	23	45	He	122.512	ug/l	2.9				
Mg	24	45	He	26.318	ug/l	16.7				
Al	27	45	He	34.326	ug/l	26.4				
K	39	45	He	77.540	ug/l	19.5				
Ca	40	45	H2	79.168	ug/l	1.4				
Ti	47	45	No Gas	0.867	ug/l	4.3				
V	51	45	He	5330.383	ug/l	1.2	5000	4500	5500	
Cr	52	45	He	21377.604	ug/l	1.4	20000	18000	22000	
Mn	55	45	He	20624.394	ug/l	1.2	20000	18000	22000	
Fe	56	45	H2	54.966	ug/l	0.9				
Co	59	45	He	2215.037	ug/l	1.4	2000	1800	2200	fail 6020B
Ni	60	45	He	22311.077	ug/l	0.8	20000	18000	22000	fail 6020B
Cu	63	45	He	22644.029	ug/l	1.6	20000	18000	22000	fail 6020B
Zn	66	45	He	21504.576	ug/l	0.6	20000	18000	22000	
As	75	74	He	5170.048	ug/l	4.8	5000	4500	5500	
Se	78	74	H2	0.295	ug/l	55.2				
Sr	88	115	He	4988.912	ug/l	1.0	5000	4500	5500	
Mo	95	115	He	2095.688	ug/l	0.9	2000	1800	2200	
Ag	107	115	He	0.042	ug/l	47.9				
Cd	111	115	He	5203.386	ug/l	0.4	5000	4500	5500	
Sn	118	115	He	-0.577	ug/l	N/A				
Sb	121	115	He	0.241	ug/l	9.1				
Ba	137	159	He	21662.695	ug/l	0.6	20000	18000	22000	
Tl	205	209	He	1093.120	ug/l	0.8	1000	900	1100	
[Pb]	206	209	He	22318.452	ug/l	1.0				
[Pb]	207	209	He	22055.344	ug/l	0.9				
Pb	208	209	He	22214.530	ug/l	0.7	20000	18000	22000	fail 6020B

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	4083591.75	0.5	80.9	60	125	
Sc (ISICPMS)	45	No Gas	4604910.04	1.1	94.9	60	125	
Sc (ISICPMS)	45	H2	1216790.44	1.2	94.5	60	125	
Sc (ISICPMS)	45	He	42772.91	1.5	91.5	60	125	
Ge (IS)	74	H2	224001.91	1.4	96.9	60	125	
Ge (IS)	74	He	26683.37	4.4	97.7	60	125	

DRAFT

Linear Range Check (LRC)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	0.00	N/A				
In-1	115	He	56243.40	0.5	91.4	60	125	
Tb (IS)	159	He	318662.03	0.4	94.1	60	125	
Bi (IS)	209	He	246594.95	1.4	95.6	60	125	

DRAFT

Linear Range Check (LRC)

File Name 016LRCB.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 11:55:05

Sample Name **LRC 11518844**

Comment LRC-B

Dilution 1.0000

Vial # 4511

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.091	ug/l	25.7				
B	11	6	No Gas	4.171	ug/l	10.7				
Na	23	45	He	481068.560	ug/l	0.4	500000	450000	550000	
Mg	24	45	He	465600.393	ug/l	1.0	500000	450000	550000	
Al	27	45	He	488309.212	ug/l	0.7	500000	450000	550000	
K	39	45	He	490113.030	ug/l	0.6	500000	450000	550000	
Ca	40	45	H2	65.992	ug/l	1.8				
Ti	47	45	No Gas	-0.466	ug/l	N/A				
V	51	45	He	0.692	ug/l	14.8				
Cr	52	45	He	2.755	ug/l	10.3				
Mn	55	45	He	4.392	ug/l	6.5				
Fe	56	45	H2	496155.939	ug/l	0.9	500000	450000	550000	
Co	59	45	He	1.623	ug/l	3.4				
Ni	60	45	He	-3.293	ug/l	N/A				
Cu	63	45	He	1.411	ug/l	1.4				
Zn	66	45	He	4.866	ug/l	18.9				
As	75	74	He	0.411	ug/l	90.0				
Se	78	74	H2	0.115	ug/l	92.4				
Sr	88	115	He	0.533	ug/l	7.4				
Mo	95	115	He	0.858	ug/l	13.9				
Ag	107	115	He	0.169	ug/l	15.2				
Cd	111	115	He	0.200	ug/l	66.0				
Sn	118	115	He	-0.691	ug/l	N/A				
Sb	121	115	He	0.748	ug/l	6.2				
Ba	137	159	He	15.463	ug/l	4.9				
Tl	205	209	He	0.096	ug/l	6.0				
[Pb]	206	209	He	1.858	ug/l	4.3				
[Pb]	207	209	He	1.917	ug/l	9.5				
Pb	208	209	He	1.862	ug/l	6.0				

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	4396616.50	0.9	87.1	60	125	
Sc (ISICPMS)	45	No Gas	4841153.09	0.5	99.8	60	125	
Sc (ISICPMS)	45	H2	1350298.97	0.4	104.9	60	125	
Sc (ISICPMS)	45	He	50632.79	0.9	108.3	60	125	
Ge (IS)	74	H2	240807.80	0.7	104.1	60	125	
Ge (IS)	74	He	30187.51	0.7	110.5	60	125	

DRAFT

Linear Range Check (LRC)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	0.00	N/A				
In-1	115	He	61853.48	1.0	100.5	60	125	
Tb (IS)	159	He	341513.22	0.2	100.8	60	125	
Bi (IS)	209	He	237948.19	0.9	92.2	60	125	

DRAFT

Linear Range Check (LRC)

File Name 017LRCC.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 11:57:37

Sample Name **LRC 11779824**

Comment LRC-C

Dilution 1.0000

Vial # 4512

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.164	ug/l	18.8				
B	11	6	No Gas	2016.931	ug/l	1.6	2000	1800	2200	
Na	23	45	He	74.975	ug/l	13.5				
Mg	24	45	He	72.306	ug/l	4.3				
Al	27	45	He	26.647	ug/l	7.8				
K	39	45	He	52.856	ug/l	33.2				
Ca	40	45	H2	1015666.676	ug/l	0.9	1000000	900000	1100000	
Ti	47	45	No Gas	10052.524	ug/l	1.2	10000	9000	11000	
V	51	45	He	0.333	ug/l	9.8				
Cr	52	45	He	1.757	ug/l	14.6				
Mn	55	45	He	1.546	ug/l	18.2				
Fe	56	45	H2	29.178	ug/l	4.7				
Co	59	45	He	0.377	ug/l	9.6				
Ni	60	45	He	0.470	ug/l	165.7				
Cu	63	45	He	1.969	ug/l	5.8				
Zn	66	45	He	3.749	ug/l	10.3				
As	75	74	He	0.418	ug/l	28.0				
Se	78	74	H2	2958.272	ug/l	0.6	3000	2700	3300	
Sr	88	115	He	9.700	ug/l	8.5				
Mo	95	115	He	0.360	ug/l	22.9				
Ag	107	115	He	1016.980	ug/l	4.6	1000	900	1100	
Cd	111	115	He	0.282	ug/l	11.8				
Sn	118	115	He	2115.163	ug/l	0.7	2000	1800	2200	
Sb	121	115	He	1049.778	ug/l	0.7	1000	900	1100	
Ba	137	159	He	1.647	ug/l	27.2				
Tl	205	209	He	0.077	ug/l	21.6				
[Pb]	206	209	He	1.402	ug/l	6.4				
[Pb]	207	209	He	1.414	ug/l	2.7				
Pb	208	209	He	1.432	ug/l	4.2				

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	4111162.89	0.8	81.4	60	125	
Sc (ISICPMS)	45	No Gas	4666659.96	0.9	96.2	60	125	
Sc (ISICPMS)	45	H2	1282771.21	0.3	99.7	60	125	
Sc (ISICPMS)	45	He	46345.51	0.4	99.1	60	125	
Ge (IS)	74	H2	233335.86	0.7	100.9	60	125	
Ge (IS)	74	He	28462.01	1.5	104.2	60	125	

DRAFT

Linear Range Check (LRC)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	0.00	N/A				
In-1	115	He	58411.77	1.0	94.9	60	125	
Tb (IS)	159	He	333024.23	0.7	98.3	60	125	
Bi (IS)	209	He	243188.39	0.6	94.2	60	125	

DRAFT

Linear Range Check (LRC)

File Name 020LRCA.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 12:05:12

Sample Name **LRC 11855591**

Comment LRC-A

Dilution 1.0000

Vial # 4510

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	2023.032	ug/l	3.1	2000	1800	2200	
B	11	6	No Gas	4.621	ug/l	4.8				
Na	23	45	He	95.403	ug/l	7.8				
Mg	24	45	He	24.938	ug/l	0.4				
Al	27	45	He	30.492	ug/l	16.5				
K	39	45	He	84.754	ug/l	8.2				
Ca	40	45	H2	80.411	ug/l	1.6				
Ti	47	45	No Gas	0.725	ug/l	14.6				
V	51	45	He	4915.311	ug/l	0.6	5000	4500	5500	
Cr	52	45	He	19807.551	ug/l	0.7	20000	18000	22000	
Mn	55	45	He	19187.200	ug/l	0.7	20000	18000	22000	
Fe	56	45	H2	48.687	ug/l	1.3				
Co	59	45	He	2037.695	ug/l	0.8	2000	1800	2200	
Ni	60	45	He	20695.887	ug/l	0.7	20000	18000	22000	
Cu	63	45	He	20870.919	ug/l	0.5	20000	18000	22000	
Zn	66	45	He	19976.134	ug/l	0.8	20000	18000	22000	
As	75	74	He	4762.859	ug/l	2.9	5000	4500	5500	
Se	78	74	H2	0.028	ug/l	117.1				
Sr	88	115	He	4608.985	ug/l	0.5	5000	4500	5500	
Mo	95	115	He	1931.181	ug/l	0.8	2000	1800	2200	
Ag	107	115	He	0.065	ug/l	15.2				
Cd	111	115	He	4891.705	ug/l	0.5	5000	4500	5500	
Sn	118	115	He	-0.606	ug/l	N/A				
Sb	121	115	He	0.225	ug/l	8.1				
Ba	137	159	He	18995.042	ug/l	3.5	20000	18000	22000	
Tl	205	209	He	1023.969	ug/l	2.3	1000	900	1100	
[Pb]	206	209	He	20796.246	ug/l	1.9				
[Pb]	207	209	He	20519.584	ug/l	1.5				
Pb	208	209	He	20692.670	ug/l	1.8	20000	18000	22000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	4056644.70	2.2	80.4	60	125	
Sc (ISICPMS)	45	No Gas	4363409.62	1.5	90.0	60	125	
Sc (ISICPMS)	45	H2	1170045.85	0.6	90.9	60	125	
Sc (ISICPMS)	45	He	41846.74	0.5	89.5	60	125	
Ge (IS)	74	H2	213802.34	0.5	92.5	60	125	
Ge (IS)	74	He	26078.33	3.1	95.4	60	125	

DRAFT

Linear Range Check (LRC)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	0.00	N/A				
In-1	115	He	54653.39	0.5	88.8	60	125	
Tb (IS)	159	He	314797.66	0.8	92.9	60	125	
Bi (IS)	209	He	242743.06	1.7	94.1	60	125	

DRAFT

Sample Report

File Name 021SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 12:07:43

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.235	ug/l	8.7	2000	
B	11	6	No Gas	2.453	ug/l	4.0	2000	
Na	23	45	He	39.048	ug/l	10.7	500000	
Mg	24	45	He	2.560	ug/l	44.3	500000	
Al	27	45	He	-0.886	ug/l	N/A	500000	
K	39	45	He	39.816	ug/l	32.2	500000	
Ca	40	45	H2	6.839	ug/l	14.9	1000000	
Ti	47	45	No Gas	-0.240	ug/l	N/A	10000	
V	51	45	He	0.158	ug/l	82.1	5000	
Cr	52	45	He	0.683	ug/l	16.8	20000	
Mn	55	45	He	1.832	ug/l	13.6	20000	
Fe	56	45	H2	4.558	ug/l	4.9	500000	
Co	59	45	He	0.361	ug/l	12.9	2000	
Ni	60	45	He	4.835	ug/l	20.7	20000	
Cu	63	45	He	1.370	ug/l	13.0	20000	
Zn	66	45	He	1.692	ug/l	12.7	20000	
As	75	74	He	0.315	ug/l	123.3	5000	
Se	78	74	H2	0.067	ug/l	170.6	3000	
Sr	88	115	He	0.441	ug/l	48.8	5000	
Mo	95	115	He	0.363	ug/l	12.5	2000	
Ag	107	115	He	0.006	ug/l	154.8	1000	
Cd	111	115	He	0.212	ug/l	43.2	5000	
Sn	118	115	He	0.149	ug/l	118.5	2000	
Sb	121	115	He	0.087	ug/l	51.6	1000	
Ba	137	159	He	0.951	ug/l	33.2	20000	
Tl	205	209	He	0.176	ug/l	19.9	1000	
[Pb]	206	209	He	0.911	ug/l	7.6		
[Pb]	207	209	He	0.973	ug/l	7.2		
Pb	208	209	He	0.948	ug/l	3.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4168427.16	1.8	82.6	60	125	
Sc (ISICPMS)	45	No Gas	4406365.74	1.3	90.8	60	125	
Sc (ISICPMS)	45	H2	1186833.40	0.2	92.2	60	125	
Sc (ISICPMS)	45	He	41119.06	0.9	87.9	60	125	
Ge (IS)	74	H2	211562.47	1.9	91.5	60	125	
Ge (IS)	74	He	24874.89	1.9	91.0	60	125	
Kr	83	He	3.34	173.2				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	54814.86	1.5	89.0	60	125	
Tb (IS)	159	He	312868.97	0.3	92.4	60	125	
Bi (IS)	209	He	243845.81	1.5	94.5	60	125	

DRAFT

Sample Report

File Name 022SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 12:10:14

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.107	ug/l	11.0	2000	
B	11	6	No Gas	1.782	ug/l	7.0	2000	
Na	23	45	He	20.405	ug/l	29.8	500000	
Mg	24	45	He	2.027	ug/l	27.2	500000	
Al	27	45	He	1.060	ug/l	177.3	500000	
K	39	45	He	26.437	ug/l	43.6	500000	
Ca	40	45	H2	5.712	ug/l	10.7	1000000	
Ti	47	45	No Gas	-0.008	ug/l	N/A	10000	
V	51	45	He	0.053	ug/l	282.5	5000	
Cr	52	45	He	0.230	ug/l	145.4	20000	
Mn	55	45	He	0.973	ug/l	2.2	20000	
Fe	56	45	H2	3.631	ug/l	13.7	500000	
Co	59	45	He	0.232	ug/l	21.2	2000	
Ni	60	45	He	3.077	ug/l	27.1	20000	
Cu	63	45	He	0.745	ug/l	6.9	20000	
Zn	66	45	He	0.907	ug/l	60.1	20000	
As	75	74	He	0.167	ug/l	108.9	5000	
Se	78	74	H2	0.147	ug/l	61.6	3000	
Sr	88	115	He	0.140	ug/l	132.6	5000	
Mo	95	115	He	0.147	ug/l	51.7	2000	
Ag	107	115	He	0.010	ug/l	39.5	1000	
Cd	111	115	He	0.196	ug/l	42.8	5000	
Sn	118	115	He	0.079	ug/l	314.5	2000	
Sb	121	115	He	0.090	ug/l	39.1	1000	
Ba	137	159	He	0.463	ug/l	92.3	20000	
Tl	205	209	He	0.024	ug/l	42.7	1000	
[Pb]	206	209	He	0.487	ug/l	11.3		
[Pb]	207	209	He	0.600	ug/l	13.1		
Pb	208	209	He	0.525	ug/l	5.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4241746.95	1.1	84.0	60	125	
Sc (ISICPMS)	45	No Gas	4432755.80	0.8	91.4	60	125	
Sc (ISICPMS)	45	H2	1183290.26	0.3	91.9	60	125	
Sc (ISICPMS)	45	He	42767.30	0.8	91.5	60	125	
Ge (IS)	74	H2	210560.85	0.5	91.1	60	125	
Ge (IS)	74	He	25222.42	3.6	92.3	60	125	
Kr	83	He	3.34	173.2				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	56092.14	1.0	91.1	60	125	
Tb (IS)	159	He	320772.46	0.7	94.7	60	125	
Bi (IS)	209	He	246559.97	0.4	95.6	60	125	

DRAFT

Sample Report

File Name 023SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 12:12:45

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.097	ug/l	6.3	2000	
B	11	6	No Gas	1.085	ug/l	3.7	2000	
Na	23	45	He	30.355	ug/l	28.2	500000	
Mg	24	45	He	2.200	ug/l	72.4	500000	
Al	27	45	He	4.389	ug/l	67.7	500000	
K	39	45	He	30.276	ug/l	18.3	500000	
Ca	40	45	H2	7.376	ug/l	16.0	1000000	
Ti	47	45	No Gas	-0.141	ug/l	N/A	10000	
V	51	45	He	-0.067	ug/l	N/A	5000	
Cr	52	45	He	0.202	ug/l	85.5	20000	
Mn	55	45	He	1.012	ug/l	32.4	20000	
Fe	56	45	H2	6.210	ug/l	6.0	500000	
Co	59	45	He	0.167	ug/l	59.3	2000	
Ni	60	45	He	3.793	ug/l	20.7	20000	
Cu	63	45	He	0.458	ug/l	11.3	20000	
Zn	66	45	He	1.122	ug/l	42.6	20000	
As	75	74	He	0.240	ug/l	47.7	5000	
Se	78	74	H2	0.029	ug/l	301.4	3000	
Sr	88	115	He	0.140	ug/l	50.1	5000	
Mo	95	115	He	0.137	ug/l	74.4	2000	
Ag	107	115	He	0.010	ug/l	67.7	1000	
Cd	111	115	He	0.024	ug/l	86.6	5000	
Sn	118	115	He	-0.059	ug/l	N/A	2000	
Sb	121	115	He	0.035	ug/l	155.3	1000	
Ba	137	159	He	0.729	ug/l	25.9	20000	
Tl	205	209	He	0.005	ug/l	196.9	1000	
[Pb]	206	209	He	0.449	ug/l	29.2		
[Pb]	207	209	He	0.470	ug/l	13.9		
Pb	208	209	He	0.469	ug/l	9.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4357610.56	0.4	86.3	60	125	
Sc (ISICPMS)	45	No Gas	4472162.12	0.7	92.2	60	125	
Sc (ISICPMS)	45	H2	1172544.21	1.0	91.1	60	125	
Sc (ISICPMS)	45	He	41533.59	0.5	88.8	60	125	
Ge (IS)	74	H2	211096.17	0.3	91.3	60	125	
Ge (IS)	74	He	25158.84	0.7	92.1	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	56444.00	1.6	91.7	60	125	
Tb (IS)	159	He	319001.74	0.7	94.2	60	125	
Bi (IS)	209	He	246200.79	0.6	95.4	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 024_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 12:15:16

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	102.589	ug/l	1.5	100	90	110	
B	11	6	No Gas	255.711	ug/l	1.3	250	225	275	
Na	23	45	He	25520.971	ug/l	0.7	25000	22500	27500	
Mg	24	45	He	25375.086	ug/l	0.7	25000	22500	27500	
Al	27	45	He	24713.453	ug/l	2.2	25000	22500	27500	
K	39	45	He	24812.725	ug/l	1.3	25000	22500	27500	
Ca	40	45	H2	24759.127	ug/l	2.2	25000	22500	27500	
Ti	47	45	No Gas	97.049	ug/l	0.6	100	90	110	
V	51	45	He	101.059	ug/l	2.9	100	90	110	
Cr	52	45	He	101.534	ug/l	1.6	100	90	110	
Mn	55	45	He	103.133	ug/l	2.1	100	90	110	
Fe	56	45	H2	25189.147	ug/l	1.5	25000	22500	27500	
Co	59	45	He	101.890	ug/l	1.1	100	90	110	
Ni	60	45	He	102.076	ug/l	2.4	100	90	110	
Cu	63	45	He	103.038	ug/l	1.7	100	90	110	
Zn	66	45	He	260.589	ug/l	1.6	250	225	275	
As	75	74	He	100.118	ug/l	4.3	100	90	110	
Se	78	74	H2	103.102	ug/l	3.6	100	90	110	
Sr	88	115	He	97.304	ug/l	1.2	100	90	110	
Mo	95	115	He	102.717	ug/l	0.7	100	90	110	
Ag	107	115	He	51.103	ug/l	1.6	50	45	55	
Cd	111	115	He	103.255	ug/l	1.6	100	90	110	
Sn	118	115	He	102.345	ug/l	1.7	100	90	110	
Sb	121	115	He	101.723	ug/l	1.7	100	90	110	
Ba	137	159	He	100.015	ug/l	1.3	100	90	110	
Tl	205	209	He	100.755	ug/l	1.7	100	90	110	
[Pb]	206	209	He	100.881	ug/l	2.3				
[Pb]	207	209	He	100.784	ug/l	0.7				
Pb	208	209	He	101.173	ug/l	1.3	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	4375555.32	1.9	86.7	60	125	
Sc (ISICPMS)	45	No Gas	4538298.33	1.7	93.6	60	125	
Sc (ISICPMS)	45	H2	1258317.37	1.2	97.8	60	125	
Sc (ISICPMS)	45	He	44590.89	2.7	95.3	60	125	
Ge (IS)	74	H2	228863.23	1.7	99.0	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	27529.09	4.1	100.8	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	58260.56	1.6	94.6	60	125	
Tb (IS)	159	He	331170.68	1.7	97.8	60	125	
Bi (IS)	209	He	248919.31	0.6	96.5	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 025_Blk.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 12:17:47

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.061	ug/l	15.3	0.8	-0.8	0.8	
B	11	6	No Gas	2.780	ug/l	18.5	40	-40	40	
Na	23	45	He	27.360	ug/l	10.8	500	-500	500	
Mg	24	45	He	0.793	ug/l	308.5	200	-200	200	
Al	27	45	He	3.574	ug/l	93.1	40	-40	40	
K	39	45	He	29.403	ug/l	15.2	200	-200	200	
Ca	40	45	H2	5.377	ug/l	14.2	500	-500	500	
Ti	47	45	No Gas	-0.306	ug/l	N/A	4	-4	4	
V	51	45	He	0.094	ug/l	136.9	4	-4	4	
Cr	52	45	He	0.152	ug/l	126.5	4	-4	4	
Mn	55	45	He	0.719	ug/l	36.2	8	-8	8	
Fe	56	45	H2	4.106	ug/l	3.5	60	-60	60	
Co	59	45	He	0.123	ug/l	23.7	4	-4	4	
Ni	60	45	He	0.856	ug/l	87.3	4	-4	4	
Cu	63	45	He	0.310	ug/l	13.1	4	-4	4	
Zn	66	45	He	0.889	ug/l	35.1	16	-16	16	
As	75	74	He	-0.019	ug/l	N/A	2	-2	2	
Se	78	74	H2	0.065	ug/l	177.9	2.5	-2.5	2.5	
Sr	88	115	He	0.247	ug/l	32.6	4	-4	4	
Mo	95	115	He	0.037	ug/l	138.1	4	-4	4	
Ag	107	115	He	0.013	ug/l	118.8	2	-2	2	
Cd	111	115	He	0.037	ug/l	173.2	2	-2	2	
Sn	118	115	He	0.132	ug/l	280.5	16	-16	16	
Sb	121	115	He	0.133	ug/l	65.2	2	-2	2	
Ba	137	159	He	0.483	ug/l	14.7	4	-4	4	
Tl	205	209	He	0.005	ug/l	191.8	0.8	-0.8	0.8	
[Pb]	206	209	He	0.341	ug/l	39.0				
[Pb]	207	209	He	0.387	ug/l	6.3				
Pb	208	209	He	0.348	ug/l	11.9	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	4329746.12	0.7	85.8	60	125	
Sc (ISICPMS)	45	No Gas	4568643.02	1.3	94.2	60	125	
Sc (ISICPMS)	45	H2	1190543.63	1.3	92.5	60	125	
Sc (ISICPMS)	45	He	43111.84	0.6	92.2	60	125	
Ge (IS)	74	H2	215909.27	1.1	93.4	60	125	
Ge (IS)	74	He	25031.89	0.3	91.6	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	56182.65	0.5	91.3	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	321612.14	0.5	95.0	60	125	
Bi (IS)	209	He	248467.97	0.4	96.3	60	125	

DRAFT

Sample Report

File Name 026SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 12:23:19

Sample Name **MB 460-984048/1-B**

Comment ---

Dilution **1.0000**

Vial # 2401

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.044	ug/l	45.4	2000	
B	11	6	No Gas	0.878	ug/l	27.3	2000	
Na	23	45	He	12.201	ug/l	16.6	500000	
Mg	24	45	He	0.958	ug/l	70.4	500000	
Al	27	45	He	2.680	ug/l	78.1	500000	
K	39	45	He	19.097	ug/l	62.0	500000	
Ca	40	45	H2	4.772	ug/l	32.5	1000000	
Ti	47	45	No Gas	0.305	ug/l	24.1	10000	
V	51	45	He	0.031	ug/l	256.8	5000	
Cr	52	45	He	0.451	ug/l	43.1	20000	
Mn	55	45	He	0.454	ug/l	43.5	20000	
Fe	56	45	H2	3.574	ug/l	25.0	500000	
Co	59	45	He	0.114	ug/l	29.1	2000	
Ni	60	45	He	0.806	ug/l	40.6	20000	
Cu	63	45	He	0.709	ug/l	12.9	20000	
Zn	66	45	He	4.563	ug/l	19.3	20000	
As	75	74	He	-0.130	ug/l	N/A	5000	
Se	78	74	H2	0.029	ug/l	109.1	3000	
Sr	88	115	He	0.065	ug/l	175.0	5000	
Mo	95	115	He	0.006	ug/l	626.8	2000	
Ag	107	115	He	0.007	ug/l	75.1	1000	
Cd	111	115	He	0.012	ug/l	173.2	5000	
Sn	118	115	He	0.589	ug/l	154.4	2000	
Sb	121	115	He	0.072	ug/l	67.9	1000	
Ba	137	159	He	0.267	ug/l	32.9	20000	
Tl	205	209	He	0.008	ug/l	29.1	1000	
[Pb]	206	209	He	0.300	ug/l	22.5		
[Pb]	207	209	He	0.370	ug/l	13.5		
Pb	208	209	He	0.352	ug/l	5.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4443332.05	1.4	88.0	60	125	
Sc (ISICPMS)	45	No Gas	4480427.71	1.5	92.4	60	125	
Sc (ISICPMS)	45	H2	1175198.66	1.5	91.3	60	125	
Sc (ISICPMS)	45	He	42671.47	1.1	91.2	60	125	
Ge (IS)	74	H2	211041.94	1.3	91.3	60	125	
Ge (IS)	74	He	25275.87	2.6	92.5	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	56124.59	1.5	91.2	60	125	
Tb (IS)	159	He	319661.24	1.1	94.4	60	125	
Bi (IS)	209	He	245736.86	1.1	95.2	60	125	

DRAFT

Sample Report

File Name 027SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 12:25:50

Sample Name **MB 460-984051/12-A**

Comment ---

Dilution **1.0000**

Vial # 2501

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.031	ug/l	25.5	2000	
B	11	6	No Gas	0.407	ug/l	18.4	2000	
Na	23	45	He	9.317	ug/l	81.4	500000	
Mg	24	45	He	1.373	ug/l	46.4	500000	
Al	27	45	He	0.633	ug/l	325.7	500000	
K	39	45	He	5.842	ug/l	117.0	500000	
Ca	40	45	H2	3.553	ug/l	15.6	1000000	
Ti	47	45	No Gas	-0.037	ug/l	N/A	10000	
V	51	45	He	0.013	ug/l	668.4	5000	
Cr	52	45	He	-0.186	ug/l	N/A	20000	
Mn	55	45	He	0.425	ug/l	42.0	20000	
Fe	56	45	H2	0.928	ug/l	53.6	500000	
Co	59	45	He	0.084	ug/l	34.7	2000	
Ni	60	45	He	-0.517	ug/l	N/A	20000	
Cu	63	45	He	0.186	ug/l	23.4	20000	
Zn	66	45	He	0.273	ug/l	104.9	20000	
As	75	74	He	-0.028	ug/l	N/A	5000	
Se	78	74	H2	0.177	ug/l	63.3	3000	
Sr	88	115	He	0.094	ug/l	89.1	5000	
Mo	95	115	He	0.017	ug/l	132.8	2000	
Ag	107	115	He	-0.005	ug/l	N/A	1000	
Cd	111	115	He	0.024	ug/l	173.2	5000	
Sn	118	115	He	0.288	ug/l	85.1	2000	
Sb	121	115	He	0.016	ug/l	291.6	1000	
Ba	137	159	He	0.206	ug/l	61.1	20000	
Tl	205	209	He	-0.019	ug/l	N/A	1000	
[Pb]	206	209	He	0.244	ug/l	11.2		
[Pb]	207	209	He	0.226	ug/l	20.6		
Pb	208	209	He	0.254	ug/l	7.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4530278.16	0.8	89.7	60	125	
Sc (ISICPMS)	45	No Gas	4530005.38	0.5	93.4	60	125	
Sc (ISICPMS)	45	H2	1200628.33	0.7	93.3	60	125	
Sc (ISICPMS)	45	He	42984.60	1.1	91.9	60	125	
Ge (IS)	74	H2	216719.52	0.6	93.7	60	125	
Ge (IS)	74	He	26131.57	2.5	95.6	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	57076.82	0.3	92.7	60	125	
Tb (IS)	159	He	320812.64	0.4	94.7	60	125	
Bi (IS)	209	He	246147.46	0.5	95.4	60	125	

DRAFT

Sample Report

File Name 028SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 12:28:20

Sample Name **LCS 460-984051/2-A**

Comment ---

Dilution **1.0000**

Vial # 2402

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	26.607	ug/l	1.5	2000	
B	11	6	No Gas	513.964	ug/l	1.1	2000	
Na	23	45	He	2708.592	ug/l	0.6	500000	
Mg	24	45	He	2736.594	ug/l	1.0	500000	
Al	27	45	He	2674.569	ug/l	0.3	500000	
K	39	45	He	2694.808	ug/l	0.4	500000	
Ca	40	45	H2	2656.805	ug/l	0.3	1000000	
Ti	47	45	No Gas	51.259	ug/l	0.9	10000	
V	51	45	He	54.055	ug/l	2.5	5000	
Cr	52	45	He	52.473	ug/l	1.6	20000	
Mn	55	45	He	266.292	ug/l	0.2	20000	
Fe	56	45	H2	2702.947	ug/l	0.3	500000	
Co	59	45	He	27.878	ug/l	1.0	2000	
Ni	60	45	He	53.470	ug/l	2.5	20000	
Cu	63	45	He	57.084	ug/l	2.2	20000	
Zn	66	45	He	266.745	ug/l	0.8	20000	
As	75	74	He	56.490	ug/l	7.1	5000	
Se	78	74	H2	56.625	ug/l	2.2	3000	
Sr	88	115	He	52.423	ug/l	1.7	5000	
Mo	95	115	He	52.055	ug/l	1.3	2000	
Ag	107	115	He	26.705	ug/l	1.6	1000	
Cd	111	115	He	27.026	ug/l	3.0	5000	
Sn	118	115	He	53.620	ug/l	1.7	2000	
Sb	121	115	He	25.949	ug/l	3.3	1000	
Ba	137	159	He	52.688	ug/l	0.3	20000	
Tl	205	209	He	21.140	ug/l	1.1	1000	
[Pb]	206	209	He	27.530	ug/l	3.2		
[Pb]	207	209	He	26.119	ug/l	3.2		
Pb	208	209	He	26.803	ug/l	0.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4693508.71	0.3	93.0	60	125	
Sc (ISICPMS)	45	No Gas	4625817.88	1.9	95.4	60	125	
Sc (ISICPMS)	45	H2	1224212.40	0.6	95.1	60	125	
Sc (ISICPMS)	45	He	44165.05	0.3	94.4	60	125	
Ge (IS)	74	H2	217040.63	0.4	93.9	60	125	
Ge (IS)	74	He	25910.97	0.7	94.8	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	59047.81	0.4	95.9	60	125	
Tb (IS)	159	He	331521.73	0.2	97.9	60	125	
Bi (IS)	209	He	253623.07	0.8	98.3	60	125	

DRAFT

Sample Report

File Name 029SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 12:30:51

Sample Name **460-307082-A-1-D MSD**

Comment ---

Dilution **1.0000**

Vial # 2403

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	24.380	ug/l	0.4	2000	
B	11	6	No Gas	725.936	ug/l	2.2	2000	
Na	23	45	He	14340.875	ug/l	2.1	500000	
Mg	24	45	He	40800.795	ug/l	1.5	500000	
Al	27	45	He	2425.526	ug/l	1.6	500000	
K	39	45	He	7988.027	ug/l	1.7	500000	
Ca	40	45	H2	98738.270	ug/l	0.6	1000000	
Ti	47	45	No Gas	53.504	ug/l	0.5	10000	
V	51	45	He	75.704	ug/l	1.6	5000	
Cr	52	45	He	48.841	ug/l	2.6	20000	
Mn	55	45	He	236.903	ug/l	0.8	20000	
Fe	56	45	H2	2417.232	ug/l	0.5	500000	
Co	59	45	He	24.248	ug/l	2.5	2000	
Ni	60	45	He	46.370	ug/l	2.5	20000	
Cu	63	45	He	56.400	ug/l	2.2	20000	
Zn	66	45	He	246.251	ug/l	1.1	20000	
As	75	74	He	50.114	ug/l	5.1	5000	
Se	78	74	H2	51.069	ug/l	0.2	3000	
Sr	88	115	He	190.849	ug/l	1.1	5000	
Mo	95	115	He	49.438	ug/l	1.2	2000	
Ag	107	115	He	21.932	ug/l	2.3	1000	
Cd	111	115	He	23.823	ug/l	7.8	5000	
Sn	118	115	He	47.738	ug/l	2.8	2000	
Sb	121	115	He	23.248	ug/l	3.6	1000	
Ba	137	159	He	65.193	ug/l	4.5	20000	
Tl	205	209	He	19.288	ug/l	1.8	1000	
[Pb]	206	209	He	24.138	ug/l	2.9		
[Pb]	207	209	He	23.792	ug/l	1.1		
Pb	208	209	He	24.120	ug/l	0.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4615510.24	0.9	91.4	60	125	
Sc (ISICPMS)	45	No Gas	4570935.42	0.5	94.2	60	125	
Sc (ISICPMS)	45	H2	1216081.70	0.6	94.5	60	125	
Sc (ISICPMS)	45	He	43598.69	1.3	93.2	60	125	
Ge (IS)	74	H2	223502.51	1.7	96.7	60	125	
Ge (IS)	74	He	26937.47	2.2	98.6	60	125	
Kr	83	He	3.34	173.2				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	57656.96	0.2	93.7	60	125	
Tb (IS)	159	He	323892.93	0.7	95.6	60	125	
Bi (IS)	209	He	246321.73	0.3	95.5	60	125	

DRAFT

Sample Report

File Name 030SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 12:33:21

Sample Name **460-307082-A-1-C MS**

Comment ---

Dilution **1.0000**

Vial # 2404

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	23.856	ug/l	1.8	2000	
B	11	6	No Gas	712.526	ug/l	1.1	2000	
Na	23	45	He	13894.452	ug/l	1.0	500000	
Mg	24	45	He	39225.166	ug/l	1.1	500000	
Al	27	45	He	2352.157	ug/l	0.9	500000	
K	39	45	He	7681.365	ug/l	0.9	500000	
Ca	40	45	H2	93021.488	ug/l	1.0	1000000	
Ti	47	45	No Gas	53.025	ug/l	1.0	10000	
V	51	45	He	76.736	ug/l	2.8	5000	
Cr	52	45	He	48.710	ug/l	2.8	20000	
Mn	55	45	He	227.589	ug/l	1.6	20000	
Fe	56	45	H2	2370.396	ug/l	0.1	500000	
Co	59	45	He	23.534	ug/l	2.1	2000	
Ni	60	45	He	44.698	ug/l	1.8	20000	
Cu	63	45	He	56.606	ug/l	1.8	20000	
Zn	66	45	He	234.004	ug/l	1.6	20000	
As	75	74	He	52.061	ug/l	7.3	5000	
Se	78	74	H2	49.965	ug/l	2.0	3000	
Sr	88	115	He	183.815	ug/l	2.5	5000	
Mo	95	115	He	49.087	ug/l	1.5	2000	
Ag	107	115	He	22.151	ug/l	2.2	1000	
Cd	111	115	He	24.632	ug/l	5.5	5000	
Sn	118	115	He	48.252	ug/l	3.1	2000	
Sb	121	115	He	23.391	ug/l	3.2	1000	
Ba	137	159	He	59.612	ug/l	1.4	20000	
Tl	205	209	He	18.649	ug/l	0.8	1000	
[Pb]	206	209	He	24.933	ug/l	2.0		
[Pb]	207	209	He	24.333	ug/l	2.0		
Pb	208	209	He	24.645	ug/l	0.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4699079.27	0.9	93.1	60	125	
Sc (ISICPMS)	45	No Gas	4644676.91	0.4	95.8	60	125	
Sc (ISICPMS)	45	H2	1233400.38	0.2	95.8	60	125	
Sc (ISICPMS)	45	He	44030.16	1.1	94.2	60	125	
Ge (IS)	74	H2	226480.25	0.7	98.0	60	125	
Ge (IS)	74	He	26582.89	1.3	97.3	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	57959.62	1.2	94.2	60	125	
Tb (IS)	159	He	325097.88	0.4	96.0	60	125	
Bi (IS)	209	He	246687.33	0.7	95.6	60	125	

DRAFT

Sample Report

File Name 031SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 12:35:52

Sample Name **460-307082-G-1-C DU**

Comment ---

Dilution **1.0000**

Vial # 2405

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.028	ug/l	18.4	2000	
B	11	6	No Gas	252.222	ug/l	1.0	2000	
Na	23	45	He	11950.843	ug/l	1.5	500000	
Mg	24	45	He	38545.312	ug/l	1.2	500000	
Al	27	45	He	0.157	ug/l	1328.3	500000	
K	39	45	He	5600.528	ug/l	3.8	500000	
Ca	40	45	H2	95378.494	ug/l	0.6	1000000	
Ti	47	45	No Gas	5.900	ug/l	4.0	10000	
V	51	45	He	26.218	ug/l	0.4	5000	
Cr	52	45	He	0.037	ug/l	1216.7	20000	
Mn	55	45	He	1.412	ug/l	16.3	20000	
Fe	56	45	H2	-6.276	ug/l	N/A	500000	
Co	59	45	He	0.109	ug/l	30.6	2000	
Ni	60	45	He	-2.397	ug/l	N/A	20000	
Cu	63	45	He	6.368	ug/l	3.5	20000	
Zn	66	45	He	3.066	ug/l	26.7	20000	
As	75	74	He	0.576	ug/l	25.6	5000	
Se	78	74	H2	0.106	ug/l	47.7	3000	
Sr	88	115	He	142.746	ug/l	3.1	5000	
Mo	95	115	He	0.315	ug/l	16.4	2000	
Ag	107	115	He	-0.006	ug/l	N/A	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	-1.233	ug/l	N/A	2000	
Sb	121	115	He	0.270	ug/l	32.4	1000	
Ba	137	159	He	15.485	ug/l	4.2	20000	
Tl	205	209	He	-0.025	ug/l	N/A	1000	
[Pb]	206	209	He	0.173	ug/l	18.2		
[Pb]	207	209	He	0.218	ug/l	37.5		
Pb	208	209	He	0.212	ug/l	14.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4655883.23	0.4	92.2	60	125	
Sc (ISICPMS)	45	No Gas	4695165.21	1.1	96.8	60	125	
Sc (ISICPMS)	45	H2	1259644.74	1.9	97.9	60	125	
Sc (ISICPMS)	45	He	44716.85	1.3	95.6	60	125	
Ge (IS)	74	H2	231819.25	1.8	100.3	60	125	
Ge (IS)	74	He	27395.51	1.3	100.3	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	58589.35	0.5	95.2	60	125	
Tb (IS)	159	He	334980.84	0.4	98.9	60	125	
Bi (IS)	209	He	251886.50	0.9	97.6	60	125	

DRAFT

Sample Report

File Name 032SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 12:38:22

Sample Name **460-307082-G-1-B**

Comment ---

Dilution **1.0000**

Vial # 2406

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.029	ug/l	49.1	2000	
B	11	6	No Gas	250.148	ug/l	1.8	2000	
Na	23	45	He	11969.652	ug/l	0.8	500000	
Mg	24	45	He	38621.301	ug/l	1.1	500000	
Al	27	45	He	2.778	ug/l	190.7	500000	
K	39	45	He	5714.045	ug/l	1.6	500000	
Ca	40	45	H2	94759.740	ug/l	0.3	1000000	
Ti	47	45	No Gas	6.042	ug/l	3.4	10000	
V	51	45	He	25.720	ug/l	2.5	5000	
Cr	52	45	He	0.097	ug/l	266.2	20000	
Mn	55	45	He	1.332	ug/l	17.4	20000	
Fe	56	45	H2	-5.771	ug/l	N/A	500000	
Co	59	45	He	0.104	ug/l	11.1	2000	
Ni	60	45	He	-2.293	ug/l	N/A	20000	
Cu	63	45	He	6.395	ug/l	1.4	20000	
Zn	66	45	He	4.408	ug/l	4.4	20000	
As	75	74	He	0.906	ug/l	68.4	5000	
Se	78	74	H2	0.195	ug/l	66.8	3000	
Sr	88	115	He	143.869	ug/l	1.5	5000	
Mo	95	115	He	0.324	ug/l	41.5	2000	
Ag	107	115	He	-0.002	ug/l	N/A	1000	
Cd	111	115	He	0.012	ug/l	173.2	5000	
Sn	118	115	He	-1.265	ug/l	N/A	2000	
Sb	121	115	He	0.282	ug/l	26.2	1000	
Ba	137	159	He	16.240	ug/l	3.6	20000	
Tl	205	209	He	-0.039	ug/l	N/A	1000	
[Pb]	206	209	He	0.187	ug/l	27.7		
[Pb]	207	209	He	0.197	ug/l	54.8		
Pb	208	209	He	0.197	ug/l	25.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4616789.48	2.1	91.5	60	125	
Sc (ISICPMS)	45	No Gas	4687533.65	0.5	96.6	60	125	
Sc (ISICPMS)	45	H2	1253683.93	0.6	97.4	60	125	
Sc (ISICPMS)	45	He	44890.65	0.4	96.0	60	125	
Ge (IS)	74	H2	230500.47	1.6	99.7	60	125	
Ge (IS)	74	He	27810.04	1.4	101.8	60	125	
Kr	83	He	6.67	86.6				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	59705.35	1.6	97.0	60	125	
Tb (IS)	159	He	334820.23	1.1	98.9	60	125	
Bi (IS)	209	He	251219.68	0.4	97.4	60	125	

DRAFT

Sample Report

File Name 033SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 12:40:53

Sample Name **sd 460-307082-G-1-B@5**

Comment ---

Dilution **1.0000**

Vial # 2407

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.019	ug/l	8.0	2000	
B	11	6	No Gas	56.509	ug/l	0.7	2000	
Na	23	45	He	2421.298	ug/l	1.1	500000	
Mg	24	45	He	7880.066	ug/l	0.6	500000	
Al	27	45	He	0.937	ug/l	210.2	500000	
K	39	45	He	1148.356	ug/l	2.6	500000	
Ca	40	45	H2	20128.838	ug/l	0.6	1000000	
Ti	47	45	No Gas	1.056	ug/l	10.5	10000	
V	51	45	He	5.454	ug/l	4.7	5000	
Cr	52	45	He	-0.119	ug/l	N/A	20000	
Mn	55	45	He	0.292	ug/l	50.9	20000	
Fe	56	45	H2	-0.200	ug/l	N/A	500000	
Co	59	45	He	0.029	ug/l	58.4	2000	
Ni	60	45	He	-1.468	ug/l	N/A	20000	
Cu	63	45	He	1.533	ug/l	2.1	20000	
Zn	66	45	He	1.575	ug/l	11.5	20000	
As	75	74	He	0.141	ug/l	38.7	5000	
Se	78	74	H2	0.126	ug/l	23.5	3000	
Sr	88	115	He	29.589	ug/l	1.4	5000	
Mo	95	115	He	0.057	ug/l	12.4	2000	
Ag	107	115	He	-0.004	ug/l	N/A	1000	
Cd	111	115	He	0.012	ug/l	173.2	5000	
Sn	118	115	He	-0.185	ug/l	N/A	2000	
Sb	121	115	He	0.130	ug/l	6.8	1000	
Ba	137	159	He	3.340	ug/l	7.4	20000	
Tl	205	209	He	-0.026	ug/l	N/A	1000	
[Pb]	206	209	He	0.203	ug/l	21.9		
[Pb]	207	209	He	0.220	ug/l	33.8		
Pb	208	209	He	0.221	ug/l	9.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4498458.44	0.5	89.1	60	125	
Sc (ISICPMS)	45	No Gas	4698000.14	0.8	96.9	60	125	
Sc (ISICPMS)	45	H2	1228965.38	0.9	95.5	60	125	
Sc (ISICPMS)	45	He	44511.65	0.2	95.2	60	125	
Ge (IS)	74	H2	229721.59	0.7	99.4	60	125	
Ge (IS)	74	He	26897.32	1.7	98.4	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	58722.78	0.7	95.4	60	125	
Tb (IS)	159	He	327424.33	0.8	96.7	60	125	
Bi (IS)	209	He	247826.19	1.1	96.0	60	125	

DRAFT

Sample Report

File Name 034SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 12:43:23

Sample Name **460-306963-D-2-A**

Comment ---

Dilution **1.0000**

Vial # 2502

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.024	ug/l	25.4	2000	
B	11	6	No Gas	209.183	ug/l	0.9	2000	
Na	23	45	He	35923.441	ug/l	1.6	500000	
Mg	24	45	He	57272.335	ug/l	1.2	500000	
Al	27	45	He	4.041	ug/l	9.0	500000	
K	39	45	He	13056.188	ug/l	1.6	500000	
Ca	40	45	H2	129187.767	ug/l	1.6	1000000	
Ti	47	45	No Gas	1.480	ug/l	8.3	10000	
V	51	45	He	0.871	ug/l	5.1	5000	
Cr	52	45	He	-0.621	ug/l	N/A	20000	
Mn	55	45	He	356.260	ug/l	2.0	20000	
Fe	56	45	H2	-2.810	ug/l	N/A	500000	
Co	59	45	He	0.932	ug/l	8.6	2000	
Ni	60	45	He	1.692	ug/l	25.9	20000	
Cu	63	45	He	2.968	ug/l	1.2	20000	
Zn	66	45	He	5.188	ug/l	16.4	20000	
As	75	74	He	0.522	ug/l	38.9	5000	
Se	78	74	H2	1.753	ug/l	16.7	3000	
Sr	88	115	He	540.741	ug/l	0.4	5000	
Mo	95	115	He	21.600	ug/l	3.9	2000	
Ag	107	115	He	0.002	ug/l	301.5	1000	
Cd	111	115	He	0.072	ug/l	87.3	5000	
Sn	118	115	He	0.215	ug/l	58.9	2000	
Sb	121	115	He	0.288	ug/l	14.5	1000	
Ba	137	159	He	46.453	ug/l	4.6	20000	
Tl	205	209	He	-0.028	ug/l	N/A	1000	
[Pb]	206	209	He	0.331	ug/l	6.7		
[Pb]	207	209	He	0.393	ug/l	10.6		
Pb	208	209	He	0.371	ug/l	10.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4772749.48	0.7	94.5	60	125	
Sc (ISICPMS)	45	No Gas	4830139.41	0.2	99.6	60	125	
Sc (ISICPMS)	45	H2	1258539.89	0.5	97.8	60	125	
Sc (ISICPMS)	45	He	44323.19	0.7	94.8	60	125	
Ge (IS)	74	H2	229536.50	0.7	99.3	60	125	
Ge (IS)	74	He	26870.64	0.7	98.3	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	57502.07	0.8	93.4	60	125	
Tb (IS)	159	He	326875.92	0.6	96.5	60	125	
Bi (IS)	209	He	245007.87	0.2	95.0	60	125	

DRAFT

Sample Report

File Name 035SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 12:45:53

Sample Name **460-306963-D-3-A**

Comment ---

Dilution **1.0000**

Vial # 2503

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.016	ug/l	92.8	2000	
B	11	6	No Gas	169.461	ug/l	1.4	2000	
Na	23	45	He	9657.302	ug/l	1.5	500000	
Mg	24	45	He	40133.978	ug/l	0.7	500000	
Al	27	45	He	3.027	ug/l	53.3	500000	
K	39	45	He	14263.538	ug/l	1.1	500000	
Ca	40	45	H2	121769.476	ug/l	1.5	1000000	
Ti	47	45	No Gas	9.269	ug/l	2.8	10000	
V	51	45	He	0.396	ug/l	32.3	5000	
Cr	52	45	He	-0.894	ug/l	N/A	20000	
Mn	55	45	He	10626.078	ug/l	1.1	20000	
Fe	56	45	H2	41359.321	ug/l	1.4	500000	
Co	59	45	He	3.906	ug/l	2.6	2000	
Ni	60	45	He	-0.025	ug/l	N/A	20000	
Cu	63	45	He	0.057	ug/l	65.0	20000	
Zn	66	45	He	51.179	ug/l	3.0	20000	
As	75	74	He	20.712	ug/l	11.7	5000	
Se	78	74	H2	0.119	ug/l	50.3	3000	
Sr	88	115	He	527.919	ug/l	1.3	5000	
Mo	95	115	He	4.872	ug/l	3.2	2000	
Ag	107	115	He	-0.002	ug/l	N/A	1000	
Cd	111	115	He	0.011	ug/l	173.2	5000	
Sn	118	115	He	-0.973	ug/l	N/A	2000	
Sb	121	115	He	0.146	ug/l	62.9	1000	
Ba	137	159	He	246.070	ug/l	0.2	20000	
Tl	205	209	He	-0.033	ug/l	N/A	1000	
[Pb]	206	209	He	0.230	ug/l	8.5		
[Pb]	207	209	He	0.305	ug/l	11.5		
Pb	208	209	He	0.272	ug/l	12.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4653665.14	1.1	92.2	60	125	
Sc (ISICPMS)	45	No Gas	4830379.06	1.3	99.6	60	125	
Sc (ISICPMS)	45	H2	1298511.54	1.4	100.9	60	125	
Sc (ISICPMS)	45	He	46209.40	1.0	98.8	60	125	
Ge (IS)	74	H2	237081.61	0.7	102.5	60	125	
Ge (IS)	74	He	28321.66	0.8	103.7	60	125	
Kr	83	He	3.34	173.2				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	60730.19	1.3	98.7	60	125	
Tb (IS)	159	He	341490.20	0.9	100.8	60	125	
Bi (IS)	209	He	256891.41	0.4	99.6	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 036_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 12:48:23

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	103.194	ug/l	1.6	100	90	110	
B	11	6	No Gas	259.647	ug/l	1.6	250	225	275	
Na	23	45	He	25219.516	ug/l	0.8	25000	22500	27500	
Mg	24	45	He	25098.657	ug/l	0.5	25000	22500	27500	
Al	27	45	He	24098.821	ug/l	0.9	25000	22500	27500	
K	39	45	He	24755.281	ug/l	0.1	25000	22500	27500	
Ca	40	45	H2	24795.708	ug/l	0.6	25000	22500	27500	
Ti	47	45	No Gas	96.597	ug/l	1.5	100	90	110	
V	51	45	He	99.550	ug/l	1.5	100	90	110	
Cr	52	45	He	100.510	ug/l	0.8	100	90	110	
Mn	55	45	He	99.323	ug/l	2.1	100	90	110	
Fe	56	45	H2	25307.590	ug/l	0.8	25000	22500	27500	
Co	59	45	He	101.328	ug/l	0.4	100	90	110	
Ni	60	45	He	96.806	ug/l	2.0	100	90	110	
Cu	63	45	He	100.907	ug/l	1.7	100	90	110	
Zn	66	45	He	252.583	ug/l	1.1	250	225	275	
As	75	74	He	101.128	ug/l	1.7	100	90	110	
Se	78	74	H2	102.059	ug/l	0.8	100	90	110	
Sr	88	115	He	98.373	ug/l	2.5	100	90	110	
Mo	95	115	He	102.893	ug/l	3.4	100	90	110	
Ag	107	115	He	50.719	ug/l	2.0	50	45	55	
Cd	111	115	He	101.762	ug/l	2.3	100	90	110	
Sn	118	115	He	102.605	ug/l	2.3	100	90	110	
Sb	121	115	He	102.240	ug/l	2.1	100	90	110	
Ba	137	159	He	99.387	ug/l	3.3	100	90	110	
Tl	205	209	He	99.720	ug/l	0.2	100	90	110	
[Pb]	206	209	He	100.768	ug/l	0.8				
[Pb]	207	209	He	100.291	ug/l	0.1				
Pb	208	209	He	100.509	ug/l	0.8	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	4448313.06	1.3	88.1	60	125	
Sc (ISICPMS)	45	No Gas	4791603.50	1.4	98.8	60	125	
Sc (ISICPMS)	45	H2	1276550.66	0.6	99.2	60	125	
Sc (ISICPMS)	45	He	46356.63	0.5	99.1	60	125	
Ge (IS)	74	H2	232053.85	0.8	100.4	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	28371.81	1.4	103.8	60	125	
Kr	83	He	3.34	173.2				
In-1	115	He	59433.57	2.0	96.5	60	125	
Tb (IS)	159	He	338952.82	0.5	100.1	60	125	
Bi (IS)	209	He	252834.46	0.8	98.0	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 037_Blk.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 12:50:56

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.016	ug/l	40.1	0.8	-0.8	0.8	
B	11	6	No Gas	4.689	ug/l	1.8	40	-40	40	
Na	23	45	He	19.458	ug/l	55.0	500	-500	500	
Mg	24	45	He	1.595	ug/l	43.7	200	-200	200	
Al	27	45	He	4.082	ug/l	14.0	40	-40	40	
K	39	45	He	27.577	ug/l	21.7	200	-200	200	
Ca	40	45	H2	6.166	ug/l	29.5	500	-500	500	
Ti	47	45	No Gas	-0.037	ug/l	N/A	4	-4	4	
V	51	45	He	0.089	ug/l	52.1	4	-4	4	
Cr	52	45	He	-0.133	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.501	ug/l	71.2	8	-8	8	
Fe	56	45	H2	1.390	ug/l	58.7	60	-60	60	
Co	59	45	He	0.024	ug/l	81.0	4	-4	4	
Ni	60	45	He	-2.676	ug/l	N/A	4	-4	4	
Cu	63	45	He	0.130	ug/l	26.7	4	-4	4	
Zn	66	45	He	0.226	ug/l	22.5	16	-16	16	
As	75	74	He	-0.071	ug/l	N/A	2	-2	2	
Se	78	74	H2	0.149	ug/l	75.1	2.5	-2.5	2.5	
Sr	88	115	He	0.050	ug/l	120.3	4	-4	4	
Mo	95	115	He	0.042	ug/l	209.2	4	-4	4	
Ag	107	115	He	0.002	ug/l	300.9	2	-2	2	
Cd	111	115	He	0.045	ug/l	114.7	2	-2	2	
Sn	118	115	He	-0.145	ug/l	N/A	16	-16	16	
Sb	121	115	He	0.078	ug/l	74.4	2	-2	2	
Ba	137	159	He	0.202	ug/l	55.1	4	-4	4	
Tl	205	209	He	-0.013	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.204	ug/l	30.9				
[Pb]	207	209	He	0.229	ug/l	14.0				
Pb	208	209	He	0.213	ug/l	16.1	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	4417617.43	0.2	87.5	60	125	
Sc (ISICPMS)	45	No Gas	4779450.42	1.3	98.5	60	125	
Sc (ISICPMS)	45	H2	1273149.06	2.0	98.9	60	125	
Sc (ISICPMS)	45	He	45680.13	0.5	97.7	60	125	
Ge (IS)	74	H2	224440.43	0.8	97.1	60	125	
Ge (IS)	74	He	27663.07	1.9	101.2	60	125	
Kr	83	He	3.34	173.2				
In-1	115	He	61240.55	0.9	99.5	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	339972.77	0.5	100.4	60	125	
Bi (IS)	209	He	260520.49	0.4	101.0	60	125	

DRAFT

Sample Report

File Name 038SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 12:53:26

Sample Name **460-306963-D-1-B**

Comment ---

Dilution **1.0000**

Vial # 2504

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.020	ug/l	26.3	2000	
B	11	6	No Gas	223.192	ug/l	1.3	2000	
Na	23	45	He	27462.378	ug/l	0.9	500000	
Mg	24	45	He	25882.443	ug/l	1.3	500000	
Al	27	45	He	-1.710	ug/l	N/A	500000	
K	39	45	He	11569.137	ug/l	1.3	500000	
Ca	40	45	H2	97922.732	ug/l	1.4	1000000	
Ti	47	45	No Gas	7.893	ug/l	2.5	10000	
V	51	45	He	1.555	ug/l	3.4	5000	
Cr	52	45	He	-0.575	ug/l	N/A	20000	
Mn	55	45	He	979.744	ug/l	1.2	20000	
Fe	56	45	H2	474.963	ug/l	0.7	500000	
Co	59	45	He	0.152	ug/l	7.5	2000	
Ni	60	45	He	-2.735	ug/l	N/A	20000	
Cu	63	45	He	-0.022	ug/l	N/A	20000	
Zn	66	45	He	0.488	ug/l	68.3	20000	
As	75	74	He	0.786	ug/l	23.2	5000	
Se	78	74	H2	0.806	ug/l	19.3	3000	
Sr	88	115	He	436.880	ug/l	0.6	5000	
Mo	95	115	He	5.452	ug/l	8.4	2000	
Ag	107	115	He	-0.001	ug/l	N/A	1000	
Cd	111	115	He	0.023	ug/l	86.6	5000	
Sn	118	115	He	-1.003	ug/l	N/A	2000	
Sb	121	115	He	0.244	ug/l	4.0	1000	
Ba	137	159	He	80.651	ug/l	0.6	20000	
Tl	205	209	He	-0.027	ug/l	N/A	1000	
[Pb]	206	209	He	0.177	ug/l	26.0		
[Pb]	207	209	He	0.126	ug/l	100.5		
Pb	208	209	He	0.188	ug/l	17.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4563334.90	0.5	90.4	60	125	
Sc (ISICPMS)	45	No Gas	4817588.05	0.9	99.3	60	125	
Sc (ISICPMS)	45	H2	1280408.69	0.6	99.5	60	125	
Sc (ISICPMS)	45	He	45932.99	0.8	98.2	60	125	
Ge (IS)	74	H2	234226.07	1.4	101.3	60	125	
Ge (IS)	74	He	28251.32	1.0	103.4	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	60283.94	0.8	97.9	60	125	
Tb (IS)	159	He	336050.03	0.3	99.2	60	125	
Bi (IS)	209	He	253644.49	1.0	98.3	60	125	

DRAFT

Sample Report

File Name 039SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 12:55:57

Sample Name **460-307136-A-1-B**

Comment ---

Dilution **1.0000**

Vial # 2408

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.014	ug/l	62.9	2000	
B	11	6	No Gas	20.176	ug/l	0.5	2000	
Na	23	45	He	15648.029	ug/l	1.0	500000	
Mg	24	45	He	4997.606	ug/l	0.8	500000	
Al	27	45	He	2.104	ug/l	203.3	500000	
K	39	45	He	2337.227	ug/l	0.9	500000	
Ca	40	45	H2	23522.293	ug/l	1.5	1000000	
Ti	47	45	No Gas	0.697	ug/l	9.9	10000	
V	51	45	He	-0.001	ug/l	N/A	5000	
Cr	52	45	He	-0.772	ug/l	N/A	20000	
Mn	55	45	He	0.668	ug/l	19.2	20000	
Fe	56	45	H2	3.413	ug/l	34.7	500000	
Co	59	45	He	0.069	ug/l	19.3	2000	
Ni	60	45	He	-4.065	ug/l	N/A	20000	
Cu	63	45	He	0.415	ug/l	26.0	20000	
Zn	66	45	He	1.195	ug/l	26.4	20000	
As	75	74	He	0.756	ug/l	20.0	5000	
Se	78	74	H2	0.227	ug/l	26.5	3000	
Sr	88	115	He	92.173	ug/l	1.4	5000	
Mo	95	115	He	0.749	ug/l	1.3	2000	
Ag	107	115	He	-0.006	ug/l	N/A	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	-1.009	ug/l	N/A	2000	
Sb	121	115	He	0.264	ug/l	36.1	1000	
Ba	137	159	He	17.342	ug/l	1.4	20000	
Tl	205	209	He	-0.034	ug/l	N/A	1000	
[Pb]	206	209	He	0.166	ug/l	12.1		
[Pb]	207	209	He	0.134	ug/l	34.2		
Pb	208	209	He	0.149	ug/l	19.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4679747.74	0.2	92.7	60	125	
Sc (ISICPMS)	45	No Gas	4838189.86	0.2	99.8	60	125	
Sc (ISICPMS)	45	H2	1280094.24	0.3	99.5	60	125	
Sc (ISICPMS)	45	He	46270.76	0.1	98.9	60	125	
Ge (IS)	74	H2	233671.95	0.6	101.1	60	125	
Ge (IS)	74	He	28137.76	1.2	103.0	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	60817.32	0.9	98.8	60	125	
Tb (IS)	159	He	338102.04	0.5	99.8	60	125	
Bi (IS)	209	He	260879.63	0.2	101.1	60	125	

DRAFT

Sample Report

File Name 040SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 12:58:27

Sample Name **460-307136-A-3-B**

Comment ---

Dilution **1.0000**

Vial # 2409

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.011	ug/l	12.4	2000	
B	11	6	No Gas	12.244	ug/l	0.7	2000	
Na	23	45	He	11985.957	ug/l	1.9	500000	
Mg	24	45	He	4912.398	ug/l	2.0	500000	
Al	27	45	He	5.238	ug/l	64.6	500000	
K	39	45	He	1924.283	ug/l	1.7	500000	
Ca	40	45	H2	14616.313	ug/l	1.7	1000000	
Ti	47	45	No Gas	0.044	ug/l	87.2	10000	
V	51	45	He	-0.075	ug/l	N/A	5000	
Cr	52	45	He	-1.073	ug/l	N/A	20000	
Mn	55	45	He	0.806	ug/l	44.5	20000	
Fe	56	45	H2	0.970	ug/l	25.8	500000	
Co	59	45	He	0.007	ug/l	348.2	2000	
Ni	60	45	He	-4.684	ug/l	N/A	20000	
Cu	63	45	He	0.305	ug/l	23.7	20000	
Zn	66	45	He	0.764	ug/l	25.4	20000	
As	75	74	He	0.249	ug/l	20.3	5000	
Se	78	74	H2	0.033	ug/l	329.7	3000	
Sr	88	115	He	55.253	ug/l	1.1	5000	
Mo	95	115	He	0.319	ug/l	21.2	2000	
Ag	107	115	He	-0.003	ug/l	N/A	1000	
Cd	111	115	He	0.011	ug/l	173.2	5000	
Sn	118	115	He	-1.112	ug/l	N/A	2000	
Sb	121	115	He	0.147	ug/l	12.8	1000	
Ba	137	159	He	15.860	ug/l	11.7	20000	
Tl	205	209	He	-0.020	ug/l	N/A	1000	
[Pb]	206	209	He	0.155	ug/l	37.5		
[Pb]	207	209	He	0.150	ug/l	41.2		
Pb	208	209	He	0.162	ug/l	18.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4583722.36	0.4	90.8	60	125	
Sc (ISICPMS)	45	No Gas	4770247.85	0.7	98.3	60	125	
Sc (ISICPMS)	45	H2	1279378.33	0.7	99.4	60	125	
Sc (ISICPMS)	45	He	46986.36	0.9	100.5	60	125	
Ge (IS)	74	H2	234880.73	1.0	101.6	60	125	
Ge (IS)	74	He	28682.71	2.2	105.0	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	60477.26	1.1	98.2	60	125	
Tb (IS)	159	He	340967.35	1.1	100.7	60	125	
Bi (IS)	209	He	259872.27	0.3	100.7	60	125	

DRAFT

Sample Report

File Name 041SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 13:00:57

Sample Name **460-307136-A-4-B**

Comment ---

Dilution **1.0000**

Vial # 2410

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.007	ug/l	63.4	2000	
B	11	6	No Gas	19.148	ug/l	2.8	2000	
Na	23	45	He	19551.264	ug/l	0.1	500000	
Mg	24	45	He	6216.519	ug/l	0.7	500000	
Al	27	45	He	1.120	ug/l	143.8	500000	
K	39	45	He	1938.045	ug/l	2.5	500000	
Ca	40	45	H2	25328.149	ug/l	0.1	1000000	
Ti	47	45	No Gas	0.798	ug/l	25.7	10000	
V	51	45	He	-0.008	ug/l	N/A	5000	
Cr	52	45	He	-0.930	ug/l	N/A	20000	
Mn	55	45	He	2.521	ug/l	7.4	20000	
Fe	56	45	H2	13.971	ug/l	3.1	500000	
Co	59	45	He	0.062	ug/l	31.4	2000	
Ni	60	45	He	-4.149	ug/l	N/A	20000	
Cu	63	45	He	0.645	ug/l	15.0	20000	
Zn	66	45	He	0.627	ug/l	135.2	20000	
As	75	74	He	0.775	ug/l	81.7	5000	
Se	78	74	H2	0.177	ug/l	87.2	3000	
Sr	88	115	He	102.201	ug/l	1.4	5000	
Mo	95	115	He	0.532	ug/l	7.4	2000	
Ag	107	115	He	-0.008	ug/l	N/A	1000	
Cd	111	115	He	0.011	ug/l	173.2	5000	
Sn	118	115	He	-1.101	ug/l	N/A	2000	
Sb	121	115	He	0.221	ug/l	32.8	1000	
Ba	137	159	He	23.963	ug/l	5.2	20000	
Tl	205	209	He	-0.027	ug/l	N/A	1000	
[Pb]	206	209	He	0.095	ug/l	32.4		
[Pb]	207	209	He	0.118	ug/l	28.6		
Pb	208	209	He	0.109	ug/l	12.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4601352.36	0.2	91.1	60	125	
Sc (ISICPMS)	45	No Gas	4740521.63	0.7	97.7	60	125	
Sc (ISICPMS)	45	H2	1267541.01	0.3	98.5	60	125	
Sc (ISICPMS)	45	He	45597.46	0.4	97.5	60	125	
Ge (IS)	74	H2	232203.23	1.1	100.4	60	125	
Ge (IS)	74	He	27990.56	3.7	102.4	60	125	
Kr	83	He	6.67	173.2				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	60336.53	1.2	98.0	60	125	
Tb (IS)	159	He	336939.98	1.0	99.5	60	125	
Bi (IS)	209	He	257090.58	0.6	99.6	60	125	

DRAFT

Sample Report

File Name 042SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 13:03:27

Sample Name **460-307136-A-5-B**

Comment ---

Dilution **1.0000**

Vial # 2411

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.016	ug/l	45.9	2000	
B	11	6	No Gas	20.585	ug/l	1.2	2000	
Na	23	45	He	21664.800	ug/l	1.7	500000	
Mg	24	45	He	6897.155	ug/l	0.8	500000	
Al	27	45	He	-0.167	ug/l	N/A	500000	
K	39	45	He	1790.608	ug/l	2.6	500000	
Ca	40	45	H2	27471.405	ug/l	0.6	1000000	
Ti	47	45	No Gas	0.847	ug/l	19.9	10000	
V	51	45	He	-0.034	ug/l	N/A	5000	
Cr	52	45	He	-0.965	ug/l	N/A	20000	
Mn	55	45	He	4.896	ug/l	6.1	20000	
Fe	56	45	H2	12.727	ug/l	0.8	500000	
Co	59	45	He	0.105	ug/l	20.0	2000	
Ni	60	45	He	-4.077	ug/l	N/A	20000	
Cu	63	45	He	0.692	ug/l	2.7	20000	
Zn	66	45	He	0.910	ug/l	73.8	20000	
As	75	74	He	0.596	ug/l	27.7	5000	
Se	78	74	H2	0.213	ug/l	51.4	3000	
Sr	88	115	He	110.782	ug/l	2.9	5000	
Mo	95	115	He	0.360	ug/l	31.0	2000	
Ag	107	115	He	0.000	ug/l	1764.5	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	-1.046	ug/l	N/A	2000	
Sb	121	115	He	0.313	ug/l	22.3	1000	
Ba	137	159	He	29.670	ug/l	1.8	20000	
Tl	205	209	He	-0.038	ug/l	N/A	1000	
[Pb]	206	209	He	0.091	ug/l	40.4		
[Pb]	207	209	He	0.132	ug/l	68.7		
Pb	208	209	He	0.134	ug/l	24.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4637819.27	0.4	91.9	60	125	
Sc (ISICPMS)	45	No Gas	4719888.40	0.6	97.3	60	125	
Sc (ISICPMS)	45	H2	1267304.49	0.1	98.5	60	125	
Sc (ISICPMS)	45	He	45709.00	1.6	97.7	60	125	
Ge (IS)	74	H2	232021.32	1.1	100.3	60	125	
Ge (IS)	74	He	27880.37	2.1	102.0	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	60082.16	0.6	97.6	60	125	
Tb (IS)	159	He	333322.62	0.2	98.4	60	125	
Bi (IS)	209	He	251932.47	0.7	97.6	60	125	

DRAFT

Sample Report

File Name 043SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 13:05:57

Sample Name **460-307136-A-6-B**

Comment ---

Dilution **1.0000**

Vial # 2412

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.016	ug/l	52.3	2000	
B	11	6	No Gas	17.181	ug/l	1.8	2000	
Na	23	45	He	16298.093	ug/l	1.1	500000	
Mg	24	45	He	4930.926	ug/l	1.3	500000	
Al	27	45	He	13.737	ug/l	31.3	500000	
K	39	45	He	1957.782	ug/l	1.3	500000	
Ca	40	45	H2	22537.962	ug/l	0.6	1000000	
Ti	47	45	No Gas	0.769	ug/l	32.7	10000	
V	51	45	He	-0.083	ug/l	N/A	5000	
Cr	52	45	He	-1.013	ug/l	N/A	20000	
Mn	55	45	He	0.322	ug/l	94.4	20000	
Fe	56	45	H2	1.074	ug/l	59.6	500000	
Co	59	45	He	0.062	ug/l	14.1	2000	
Ni	60	45	He	-4.639	ug/l	N/A	20000	
Cu	63	45	He	0.581	ug/l	14.8	20000	
Zn	66	45	He	0.173	ug/l	275.5	20000	
As	75	74	He	0.297	ug/l	87.8	5000	
Se	78	74	H2	0.181	ug/l	75.6	3000	
Sr	88	115	He	60.184	ug/l	1.4	5000	
Mo	95	115	He	0.908	ug/l	15.0	2000	
Ag	107	115	He	0.004	ug/l	104.1	1000	
Cd	111	115	He	0.011	ug/l	173.2	5000	
Sn	118	115	He	-1.144	ug/l	N/A	2000	
Sb	121	115	He	0.160	ug/l	52.0	1000	
Ba	137	159	He	11.939	ug/l	1.2	20000	
Tl	205	209	He	-0.039	ug/l	N/A	1000	
[Pb]	206	209	He	0.075	ug/l	64.7		
[Pb]	207	209	He	0.162	ug/l	37.4		
Pb	208	209	He	0.125	ug/l	25.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4684012.08	0.3	92.8	60	125	
Sc (ISICPMS)	45	No Gas	4723306.01	0.9	97.4	60	125	
Sc (ISICPMS)	45	H2	1251194.88	0.5	97.2	60	125	
Sc (ISICPMS)	45	He	45316.56	1.3	96.9	60	125	
Ge (IS)	74	H2	229212.62	0.6	99.1	60	125	
Ge (IS)	74	He	27773.34	2.2	101.7	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	59843.52	0.4	97.2	60	125	
Tb (IS)	159	He	333846.50	0.4	98.6	60	125	
Bi (IS)	209	He	255527.65	0.5	99.0	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 044_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 13:08:27

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	100.936	ug/l	1.0	100	90	110	
B	11	6	No Gas	253.013	ug/l	0.7	250	225	275	
Na	23	45	He	25688.140	ug/l	1.6	25000	22500	27500	
Mg	24	45	He	25393.038	ug/l	1.4	25000	22500	27500	
Al	27	45	He	24788.042	ug/l	1.0	25000	22500	27500	
K	39	45	He	24986.895	ug/l	1.2	25000	22500	27500	
Ca	40	45	H2	24907.070	ug/l	0.8	25000	22500	27500	
Ti	47	45	No Gas	97.293	ug/l	1.2	100	90	110	
V	51	45	He	99.704	ug/l	1.3	100	90	110	
Cr	52	45	He	99.874	ug/l	2.5	100	90	110	
Mn	55	45	He	99.952	ug/l	1.8	100	90	110	
Fe	56	45	H2	25630.532	ug/l	0.8	25000	22500	27500	
Co	59	45	He	101.680	ug/l	2.0	100	90	110	
Ni	60	45	He	96.919	ug/l	0.5	100	90	110	
Cu	63	45	He	101.399	ug/l	2.1	100	90	110	
Zn	66	45	He	257.147	ug/l	2.8	250	225	275	
As	75	74	He	96.487	ug/l	1.0	100	90	110	
Se	78	74	H2	98.554	ug/l	2.2	100	90	110	
Sr	88	115	He	96.331	ug/l	2.2	100	90	110	
Mo	95	115	He	99.746	ug/l	0.9	100	90	110	
Ag	107	115	He	50.327	ug/l	0.6	50	45	55	
Cd	111	115	He	101.841	ug/l	3.2	100	90	110	
Sn	118	115	He	100.714	ug/l	2.5	100	90	110	
Sb	121	115	He	101.146	ug/l	1.2	100	90	110	
Ba	137	159	He	99.348	ug/l	3.0	100	90	110	
Tl	205	209	He	99.527	ug/l	0.9	100	90	110	
[Pb]	206	209	He	100.454	ug/l	1.6				
[Pb]	207	209	He	100.597	ug/l	0.5				
Pb	208	209	He	100.272	ug/l	0.5	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	4508031.28	1.2	89.3	60	125	
Sc (ISICPMS)	45	No Gas	4610444.10	0.3	95.1	60	125	
Sc (ISICPMS)	45	H2	1221181.53	0.2	94.9	60	125	
Sc (ISICPMS)	45	He	44408.11	1.8	95.0	60	125	
Ge (IS)	74	H2	226563.99	0.5	98.0	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	27372.12	2.1	100.2	60	125	
Kr	83	He	3.34	173.2				
In-1	115	He	58714.73	0.6	95.4	60	125	
Tb (IS)	159	He	332715.25	1.2	98.2	60	125	
Bi (IS)	209	He	247701.11	0.3	96.0	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 045_Blk.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 13:10:57

Sample Name **CCB**

Comment ---

Dilution 1.0000

Analyte Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.019	ug/l	51.2	0.8	-0.8	0.8	
B	11	6	No Gas	3.118	ug/l	8.8	40	-40	40	
Na	23	45	He	20.526	ug/l	60.8	500	-500	500	
Mg	24	45	He	1.444	ug/l	47.8	200	-200	200	
Al	27	45	He	2.512	ug/l	184.2	40	-40	40	
K	39	45	He	23.272	ug/l	25.1	200	-200	200	
Ca	40	45	H2	5.497	ug/l	10.4	500	-500	500	
Ti	47	45	No Gas	-0.021	ug/l	N/A	4	-4	4	
V	51	45	He	0.032	ug/l	71.8	4	-4	4	
Cr	52	45	He	-0.104	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.046	ug/l	194.7	8	-8	8	
Fe	56	45	H2	-0.949	ug/l	N/A	60	-60	60	
Co	59	45	He	0.046	ug/l	45.6	4	-4	4	
Ni	60	45	He	-4.092	ug/l	N/A	4	-4	4	> water RL
Cu	63	45	He	0.082	ug/l	132.7	4	-4	4	
Zn	66	45	He	0.632	ug/l	56.9	16	-16	16	
As	75	74	He	-0.068	ug/l	N/A	2	-2	2	
Se	78	74	H2	0.095	ug/l	175.0	2.5	-2.5	2.5	
Sr	88	115	He	0.100	ug/l	115.6	4	-4	4	
Mo	95	115	He	0.049	ug/l	93.9	4	-4	4	
Ag	107	115	He	0.000	ug/l	3109.5	2	-2	2	
Cd	111	115	He	0.000	ug/l	N/A	2	-2	2	
Sn	118	115	He	-0.140	ug/l	N/A	16	-16	16	
Sb	121	115	He	0.001	ug/l	5314.9	2	-2	2	
Ba	137	159	He	0.036	ug/l	163.1	4	-4	4	
Tl	205	209	He	-0.006	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.122	ug/l	35.3				
[Pb]	207	209	He	0.161	ug/l	65.4				
Pb	208	209	He	0.144	ug/l	9.7	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	4596845.73	0.7	91.1	60	125	
Sc (ISICPMS)	45	No Gas	4729087.92	0.5	97.5	60	125	
Sc (ISICPMS)	45	H2	1254931.62	0.9	97.5	60	125	
Sc (ISICPMS)	45	He	45391.21	1.4	97.1	60	125	
Ge (IS)	74	H2	222502.17	1.2	96.2	60	125	
Ge (IS)	74	He	27027.76	1.3	98.9	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	60454.75	1.7	98.2	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	335724.54	0.8	99.1	60	125	
Bi (IS)	209	He	259917.87	0.9	100.7	60	125	

DRAFT

Sample Report

File Name 046SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 13:13:27

Sample Name **MB 460-984048/1-B**

Comment ---

Dilution **1.0000**

Vial # 2401

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.004	ug/l	149.3	2000	
B	11	6	No Gas	1.209	ug/l	20.0	2000	
Na	23	45	He	70.214	ug/l	332.1	500000	
Mg	24	45	He	993.380	ug/l	162.8	500000	
Al	27	45	He	13.899	ug/l	174.8	500000	
K	39	45	He	1514.441	ug/l	149.7	500000	
Ca	40	45	H2	5.458	ug/l	7.0	1000000	
Ti	47	45	No Gas	-0.076	ug/l	N/A	10000	
V	51	45	He	10.225	ug/l	172.7	5000	
Cr	52	45	He	4.786	ug/l	174.7	20000	
Mn	55	45	He	8.277	ug/l	175.5	20000	
Fe	56	45	H2	-2.404	ug/l	N/A	500000	
Co	59	45	He	6.585	ug/l	121.2	2000	
Ni	60	45	He	-4.900	ug/l	N/A	20000	
Cu	63	45	He	1.814	ug/l	175.1	20000	
Zn	66	45	He	-0.383	ug/l	N/A	20000	
As	75	74	He	165.416	ug/l	173.2	5000	
Se	78	74	H2	0.004	ug/l	2400.5	3000	
Sr	88	115	He	43.295	ug/l	93.0	5000	
Mo	95	115	He	44.597	ug/l	132.4	2000	
Ag	107	115	He	2.436	ug/l	173.4	1000	
Cd	111	115	He	46.775	ug/l	173.2	5000	
Sn	118	115	He	18.376	ug/l	173.5	2000	
Sb	121	115	He	19.315	ug/l	172.8	1000	
Ba	137	159	He	0.078	ug/l	230.2	20000	
Tl	205	209	He	3.163	ug/l	175.1	1000	
[Pb]	206	209	He	13.998	ug/l	155.8		
[Pb]	207	209	He	16.446	ug/l	171.4		
Pb	208	209	He	9.277	ug/l	96.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4603420.56	0.9	91.2	60	125	
Sc (ISICPMS)	45	No Gas	4727343.71	0.4	97.5	60	125	
Sc (ISICPMS)	45	H2	1250927.55	0.5	97.2	60	125	
Sc (ISICPMS)	45	He	52343.92	27.9	111.9	60	125	
Ge (IS)	74	H2	222788.05	0.6	96.4	60	125	
Ge (IS)	74	He	31878.08	27.1	116.7	60	125	
Kr	83	He	11535.61	173.2				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	65659.27	18.0	106.7	60	125	
Tb (IS)	159	He	332516.61	1.4	98.2	60	125	
Bi (IS)	209	He	258236.56	2.3	100.1	60	125	

DRAFT

Sample Report

File Name 047SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 13:15:58

Sample Name **MB 460-984040/1-B**

Comment ---

Dilution **1.0000**

Vial # 2101

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.011	ug/l	45.6	2000	
B	11	6	No Gas	0.604	ug/l	9.3	2000	
Na	23	45	He	5.868	ug/l	143.9	500000	
Mg	24	45	He	1.514	ug/l	106.4	500000	
Al	27	45	He	0.418	ug/l	434.4	500000	
K	39	45	He	22.224	ug/l	28.6	500000	
Ca	40	45	H2	4.419	ug/l	17.4	1000000	
Ti	47	45	No Gas	-0.194	ug/l	N/A	10000	
V	51	45	He	0.027	ug/l	605.1	5000	
Cr	52	45	He	0.172	ug/l	177.3	20000	
Mn	55	45	He	-0.111	ug/l	N/A	20000	
Fe	56	45	H2	-2.240	ug/l	N/A	500000	
Co	59	45	He	0.033	ug/l	122.0	2000	
Ni	60	45	He	-4.156	ug/l	N/A	20000	
Cu	63	45	He	-0.016	ug/l	N/A	20000	
Zn	66	45	He	-0.100	ug/l	N/A	20000	
As	75	74	He	-0.100	ug/l	N/A	5000	
Se	78	74	H2	0.086	ug/l	139.4	3000	
Sr	88	115	He	0.162	ug/l	39.3	5000	
Mo	95	115	He	0.028	ug/l	171.4	2000	
Ag	107	115	He	0.002	ug/l	502.3	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	-0.181	ug/l	N/A	2000	
Sb	121	115	He	0.038	ug/l	68.7	1000	
Ba	137	159	He	0.061	ug/l	200.6	20000	
Tl	205	209	He	-0.033	ug/l	N/A	1000	
[Pb]	206	209	He	0.134	ug/l	43.0		
[Pb]	207	209	He	0.135	ug/l	13.5		
Pb	208	209	He	0.146	ug/l	14.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4582370.97	1.9	90.8	60	125	
Sc (ISICPMS)	45	No Gas	4608098.26	1.4	95.0	60	125	
Sc (ISICPMS)	45	H2	1186228.61	0.3	92.2	60	125	
Sc (ISICPMS)	45	He	44285.53	1.2	94.7	60	125	
Ge (IS)	74	H2	213158.01	0.8	92.2	60	125	
Ge (IS)	74	He	26135.08	1.7	95.7	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	58277.47	0.7	94.7	60	125	
Tb (IS)	159	He	327897.80	0.7	96.8	60	125	
Bi (IS)	209	He	252749.22	0.5	98.0	60	125	

DRAFT

Sample Report

File Name 048SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 13:18:28

Sample Name **MB 460-984045/25-A**

Comment ---

Dilution **1.0000**

Vial # 2302

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.011	ug/l	56.6	2000	
B	11	6	No Gas	0.408	ug/l	44.4	2000	
Na	23	45	He	7.184	ug/l	74.9	500000	
Mg	24	45	He	1.020	ug/l	35.3	500000	
Al	27	45	He	0.108	ug/l	2141.3	500000	
K	39	45	He	12.260	ug/l	124.8	500000	
Ca	40	45	H2	5.587	ug/l	16.3	1000000	
Ti	47	45	No Gas	-0.126	ug/l	N/A	10000	
V	51	45	He	0.101	ug/l	53.3	5000	
Cr	52	45	He	-0.308	ug/l	N/A	20000	
Mn	55	45	He	-0.127	ug/l	N/A	20000	
Fe	56	45	H2	-1.910	ug/l	N/A	500000	
Co	59	45	He	0.040	ug/l	66.3	2000	
Ni	60	45	He	-3.367	ug/l	N/A	20000	
Cu	63	45	He	0.113	ug/l	104.2	20000	
Zn	66	45	He	0.168	ug/l	545.2	20000	
As	75	74	He	-0.067	ug/l	N/A	5000	
Se	78	74	H2	0.026	ug/l	549.5	3000	
Sr	88	115	He	0.074	ug/l	88.0	5000	
Mo	95	115	He	0.054	ug/l	39.2	2000	
Ag	107	115	He	0.004	ug/l	100.6	1000	
Cd	111	115	He	0.023	ug/l	86.6	5000	
Sn	118	115	He	-0.079	ug/l	N/A	2000	
Sb	121	115	He	0.064	ug/l	25.4	1000	
Ba	137	159	He	0.072	ug/l	119.6	20000	
Tl	205	209	He	-0.040	ug/l	N/A	1000	
[Pb]	206	209	He	0.106	ug/l	115.7		
[Pb]	207	209	He	0.143	ug/l	26.7		
Pb	208	209	He	0.146	ug/l	23.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4656596.35	0.8	92.2	60	125	
Sc (ISICPMS)	45	No Gas	4618546.91	1.8	95.2	60	125	
Sc (ISICPMS)	45	H2	1218426.31	0.4	94.7	60	125	
Sc (ISICPMS)	45	He	44970.91	0.5	96.2	60	125	
Ge (IS)	74	H2	216523.94	0.4	93.6	60	125	
Ge (IS)	74	He	26837.06	1.6	98.2	60	125	
Kr	83	He	3.34	173.2				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	59891.27	1.3	97.3	60	125	
Tb (IS)	159	He	337449.74	0.1	99.6	60	125	
Bi (IS)	209	He	257174.83	0.5	99.7	60	125	

DRAFT

Sample Report

File Name 049SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 13:20:59

Sample Name **LCS 460-984045/2-A**

Comment ---

Dilution **1.0000**

Vial # 2102

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	555.327	ug/l	1.3	2000	
B	11	6	No Gas	1006.548	ug/l	1.2	2000	
Na	23	45	He	13577.562	ug/l	1.0	500000	
Mg	24	45	He	13398.410	ug/l	0.9	500000	
Al	27	45	He	5240.678	ug/l	1.6	500000	
K	39	45	He	13372.823	ug/l	1.3	500000	
Ca	40	45	H2	13578.724	ug/l	0.7	1000000	
Ti	47	45	No Gas	579.474	ug/l	0.5	10000	
V	51	45	He	321.376	ug/l	1.8	5000	
Cr	52	45	He	2806.876	ug/l	0.9	20000	
Mn	55	45	He	762.376	ug/l	1.3	20000	
Fe	56	45	H2	3162.785	ug/l	1.1	500000	
Co	59	45	He	553.023	ug/l	1.3	2000	
Ni	60	45	He	570.686	ug/l	1.8	20000	
Cu	63	45	He	583.075	ug/l	1.3	20000	
Zn	66	45	He	764.814	ug/l	2.7	20000	
As	75	74	He	2789.355	ug/l	1.8	5000	
Se	78	74	H2	587.917	ug/l	0.9	3000	
Sr	88	115	He	569.588	ug/l	1.0	5000	
Mo	95	115	He	605.361	ug/l	0.4	2000	
Ag	107	115	He	287.644	ug/l	0.2	1000	
Cd	111	115	He	560.715	ug/l	1.1	5000	
Sn	118	115	He	611.820	ug/l	1.1	2000	
Sb	121	115	He	578.702	ug/l	0.3	1000	
Ba	137	159	He	5154.655	ug/l	0.8	20000	
Tl	205	209	He	589.981	ug/l	1.8	1000	
[Pb]	206	209	He	3018.440	ug/l	2.4		
[Pb]	207	209	He	2946.239	ug/l	1.3		
Pb	208	209	He	2970.369	ug/l	1.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4908760.20	0.5	97.2	60	125	
Sc (ISICPMS)	45	No Gas	4739961.84	0.2	97.7	60	125	
Sc (ISICPMS)	45	H2	1251366.08	1.1	97.2	60	125	
Sc (ISICPMS)	45	He	46051.14	1.5	98.5	60	125	
Ge (IS)	74	H2	226470.41	0.8	97.9	60	125	
Ge (IS)	74	He	27057.75	1.0	99.0	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	59469.82	0.4	96.6	60	125	
Tb (IS)	159	He	341132.16	0.3	100.7	60	125	
Bi (IS)	209	He	256505.39	1.4	99.4	60	125	

DRAFT

Sample Report

File Name 050SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 13:23:29

Sample Name **460-306762-F-3-I MSD**

Comment ---

Dilution **1.0000**

Vial # 2103

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	23.016	ug/l	2.5	2000	
B	11	6	No Gas	1110.202	ug/l	1.0	2000	
Na	23	45	He	109099.018	ug/l	1.5	500000	
Mg	24	45	He	55914.377	ug/l	2.0	500000	
Al	27	45	He	2226.501	ug/l	3.0	500000	
K	39	45	He	98806.040	ug/l	1.5	500000	
Ca	40	45	H2	155598.563	ug/l	1.4	1000000	
Ti	47	45	No Gas	65.880	ug/l	0.6	10000	
V	51	45	He	50.418	ug/l	0.9	5000	
Cr	52	45	He	48.854	ug/l	1.2	20000	
Mn	55	45	He	1173.439	ug/l	1.6	20000	
Fe	56	45	H2	2419.951	ug/l	1.6	500000	
Co	59	45	He	28.179	ug/l	3.9	2000	
Ni	60	45	He	49.856	ug/l	3.9	20000	
Cu	63	45	He	47.698	ug/l	3.5	20000	
Zn	66	45	He	245.050	ug/l	1.7	20000	
As	75	74	He	54.090	ug/l	5.0	5000	
Se	78	74	H2	54.374	ug/l	3.2	3000	
Sr	88	115	He	1453.561	ug/l	1.7	5000	
Mo	95	115	He	51.132	ug/l	2.5	2000	
Ag	107	115	He	22.765	ug/l	7.4	1000	
Cd	111	115	He	25.630	ug/l	1.9	5000	
Sn	118	115	He	47.587	ug/l	2.7	2000	
Sb	121	115	He	24.539	ug/l	4.1	1000	
Ba	137	159	He	178.475	ug/l	3.3	20000	
Tl	205	209	He	19.949	ug/l	0.9	1000	
[Pb]	206	209	He	24.860	ug/l	1.3		
[Pb]	207	209	He	23.764	ug/l	0.9		
Pb	208	209	He	24.407	ug/l	0.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4932353.68	1.0	97.7	60	125	
Sc (ISICPMS)	45	No Gas	4763926.35	0.5	98.2	60	125	
Sc (ISICPMS)	45	H2	1257892.79	1.6	97.7	60	125	
Sc (ISICPMS)	45	He	45595.21	1.0	97.5	60	125	
Ge (IS)	74	H2	233202.86	1.4	100.9	60	125	
Ge (IS)	74	He	28167.67	2.0	103.1	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	59451.33	0.5	96.6	60	125	
Tb (IS)	159	He	337018.46	0.7	99.5	60	125	
Bi (IS)	209	He	249325.32	0.2	96.6	60	125	

DRAFT

Sample Report

File Name 051SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 13:26:01

Sample Name **460-306762-F-3-H MS**

Comment ---

Dilution **1.0000**

Vial # 2104

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	24.262	ug/l	1.5	2000	
B	11	6	No Gas	1124.585	ug/l	0.3	2000	
Na	23	45	He	107385.866	ug/l	1.5	500000	
Mg	24	45	He	54731.224	ug/l	1.2	500000	
Al	27	45	He	2256.612	ug/l	4.0	500000	
K	39	45	He	97917.757	ug/l	0.6	500000	
Ca	40	45	H2	153747.918	ug/l	2.1	1000000	
Ti	47	45	No Gas	66.013	ug/l	0.8	10000	
V	51	45	He	49.935	ug/l	3.3	5000	
Cr	52	45	He	48.303	ug/l	1.3	20000	
Mn	55	45	He	1152.192	ug/l	0.5	20000	
Fe	56	45	H2	2501.735	ug/l	2.7	500000	
Co	59	45	He	27.735	ug/l	3.0	2000	
Ni	60	45	He	49.322	ug/l	3.3	20000	
Cu	63	45	He	47.634	ug/l	1.2	20000	
Zn	66	45	He	242.233	ug/l	3.4	20000	
As	75	74	He	50.276	ug/l	4.6	5000	
Se	78	74	H2	58.964	ug/l	2.9	3000	
Sr	88	115	He	1426.426	ug/l	0.8	5000	
Mo	95	115	He	51.446	ug/l	2.2	2000	
Ag	107	115	He	23.540	ug/l	5.6	1000	
Cd	111	115	He	24.939	ug/l	2.9	5000	
Sn	118	115	He	49.784	ug/l	0.8	2000	
Sb	121	115	He	24.506	ug/l	4.8	1000	
Ba	137	159	He	178.008	ug/l	1.4	20000	
Tl	205	209	He	20.363	ug/l	1.1	1000	
[Pb]	206	209	He	26.044	ug/l	2.1		
[Pb]	207	209	He	25.164	ug/l	2.3		
Pb	208	209	He	25.482	ug/l	0.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4847437.15	0.8	96.0	60	125	
Sc (ISICPMS)	45	No Gas	4798163.99	0.6	98.9	60	125	
Sc (ISICPMS)	45	H2	1264052.40	0.9	98.2	60	125	
Sc (ISICPMS)	45	He	46271.84	1.9	98.9	60	125	
Ge (IS)	74	H2	231465.22	0.2	100.1	60	125	
Ge (IS)	74	He	28739.56	2.3	105.2	60	125	
Kr	83	He	3.34	173.2				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	59832.62	0.5	97.2	60	125	
Tb (IS)	159	He	334657.94	0.4	98.8	60	125	
Bi (IS)	209	He	246525.75	0.6	95.5	60	125	

DRAFT

Sample Report

File Name 052SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 13:28:32

Sample Name **460-306762-F-3-G DU**

Comment ---

Dilution **1.0000**

Vial # 2105

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.018	ug/l	48.5	2000	
B	11	6	No Gas	638.599	ug/l	1.6	2000	
Na	23	45	He	109137.664	ug/l	1.3	500000	
Mg	24	45	He	54410.757	ug/l	1.3	500000	
Al	27	45	He	0.769	ug/l	260.3	500000	
K	39	45	He	99523.314	ug/l	1.4	500000	
Ca	40	45	H2	152526.260	ug/l	0.6	1000000	
Ti	47	45	No Gas	18.685	ug/l	2.3	10000	
V	51	45	He	0.150	ug/l	94.2	5000	
Cr	52	45	He	-0.252	ug/l	N/A	20000	
Mn	55	45	He	946.989	ug/l	0.4	20000	
Fe	56	45	H2	7.065	ug/l	1.6	500000	
Co	59	45	He	3.422	ug/l	2.9	2000	
Ni	60	45	He	0.848	ug/l	88.9	20000	
Cu	63	45	He	0.099	ug/l	65.3	20000	
Zn	66	45	He	1.401	ug/l	21.9	20000	
As	75	74	He	1.007	ug/l	15.0	5000	
Se	78	74	H2	0.317	ug/l	1.1	3000	
Sr	88	115	He	1422.571	ug/l	0.9	5000	
Mo	95	115	He	1.799	ug/l	5.9	2000	
Ag	107	115	He	0.001	ug/l	645.6	1000	
Cd	111	115	He	0.034	ug/l	100.0	5000	
Sn	118	115	He	-1.065	ug/l	N/A	2000	
Sb	121	115	He	0.311	ug/l	19.2	1000	
Ba	137	159	He	133.785	ug/l	3.2	20000	
Tl	205	209	He	0.036	ug/l	41.0	1000	
[Pb]	206	209	He	0.203	ug/l	15.5		
[Pb]	207	209	He	0.220	ug/l	22.4		
Pb	208	209	He	0.219	ug/l	15.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4774603.26	1.7	94.6	60	125	
Sc (ISICPMS)	45	No Gas	4727419.90	0.1	97.5	60	125	
Sc (ISICPMS)	45	H2	1269052.65	0.5	98.6	60	125	
Sc (ISICPMS)	45	He	45462.52	0.9	97.2	60	125	
Ge (IS)	74	H2	232998.45	0.9	100.8	60	125	
Ge (IS)	74	He	27659.47	2.3	101.2	60	125	
Kr	83	He	3.34	173.2				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	60276.15	0.3	97.9	60	125	
Tb (IS)	159	He	334057.93	0.3	98.6	60	125	
Bi (IS)	209	He	246710.04	0.2	95.6	60	125	

DRAFT

Sample Report

File Name 053SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 13:31:03

Sample Name **460-306762-F-3-F**

Comment ---

Dilution **1.0000**

Vial # 2106

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.017	ug/l	38.0	2000	
B	11	6	No Gas	641.581	ug/l	0.7	2000	
Na	23	45	He	107098.454	ug/l	0.4	500000	
Mg	24	45	He	53827.535	ug/l	0.3	500000	
Al	27	45	He	1.339	ug/l	205.9	500000	
K	39	45	He	97342.804	ug/l	0.8	500000	
Ca	40	45	H2	155040.053	ug/l	0.7	1000000	
Ti	47	45	No Gas	18.744	ug/l	0.6	10000	
V	51	45	He	0.302	ug/l	33.6	5000	
Cr	52	45	He	-0.582	ug/l	N/A	20000	
Mn	55	45	He	929.889	ug/l	0.9	20000	
Fe	56	45	H2	6.880	ug/l	12.5	500000	
Co	59	45	He	3.187	ug/l	4.7	2000	
Ni	60	45	He	1.224	ug/l	68.7	20000	
Cu	63	45	He	0.228	ug/l	47.5	20000	
Zn	66	45	He	6.935	ug/l	19.7	20000	
As	75	74	He	0.887	ug/l	58.5	5000	
Se	78	74	H2	0.124	ug/l	66.9	3000	
Sr	88	115	He	1429.560	ug/l	1.9	5000	
Mo	95	115	He	1.610	ug/l	8.3	2000	
Ag	107	115	He	0.007	ug/l	28.3	1000	
Cd	111	115	He	0.035	ug/l	99.7	5000	
Sn	118	115	He	-1.132	ug/l	N/A	2000	
Sb	121	115	He	0.156	ug/l	17.7	1000	
Ba	137	159	He	129.967	ug/l	2.7	20000	
Tl	205	209	He	0.027	ug/l	20.8	1000	
[Pb]	206	209	He	0.208	ug/l	14.7		
[Pb]	207	209	He	0.180	ug/l	6.5		
Pb	208	209	He	0.209	ug/l	9.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4746199.51	1.0	94.0	60	125	
Sc (ISICPMS)	45	No Gas	4768322.71	0.2	98.3	60	125	
Sc (ISICPMS)	45	H2	1258671.97	0.1	97.8	60	125	
Sc (ISICPMS)	45	He	46485.88	0.6	99.4	60	125	
Ge (IS)	74	H2	232097.20	1.0	100.4	60	125	
Ge (IS)	74	He	28900.16	1.4	105.8	60	125	
Kr	83	He	3.34	173.2				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	59646.83	0.7	96.9	60	125	
Tb (IS)	159	He	338622.60	0.6	100.0	60	125	
Bi (IS)	209	He	250147.52	0.8	96.9	60	125	

DRAFT

Sample Report

File Name 054SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 13:33:34

Sample Name **sd 460-306762-F-3-F@5**

Comment ---

Dilution **1.0000**

Vial # 2107

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.025	ug/l	28.2	2000	
B	11	6	No Gas	139.565	ug/l	1.3	2000	
Na	23	45	He	21820.541	ug/l	0.2	500000	
Mg	24	45	He	10841.463	ug/l	1.0	500000	
Al	27	45	He	3.732	ug/l	30.4	500000	
K	39	45	He	19710.082	ug/l	1.0	500000	
Ca	40	45	H2	31204.846	ug/l	0.6	1000000	
Ti	47	45	No Gas	3.863	ug/l	2.1	10000	
V	51	45	He	0.214	ug/l	60.5	5000	
Cr	52	45	He	-0.060	ug/l	N/A	20000	
Mn	55	45	He	188.546	ug/l	1.8	20000	
Fe	56	45	H2	-1.074	ug/l	N/A	500000	
Co	59	45	He	0.713	ug/l	4.5	2000	
Ni	60	45	He	-3.653	ug/l	N/A	20000	
Cu	63	45	He	0.136	ug/l	37.2	20000	
Zn	66	45	He	1.798	ug/l	27.3	20000	
As	75	74	He	0.126	ug/l	47.3	5000	
Se	78	74	H2	-0.001	ug/l	N/A	3000	
Sr	88	115	He	278.892	ug/l	0.4	5000	
Mo	95	115	He	0.397	ug/l	6.1	2000	
Ag	107	115	He	0.010	ug/l	98.7	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	-0.154	ug/l	N/A	2000	
Sb	121	115	He	0.087	ug/l	78.6	1000	
Ba	137	159	He	26.278	ug/l	2.4	20000	
Tl	205	209	He	-0.019	ug/l	N/A	1000	
[Pb]	206	209	He	0.199	ug/l	21.3		
[Pb]	207	209	He	0.174	ug/l	13.1		
Pb	208	209	He	0.216	ug/l	5.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4642965.00	1.4	92.0	60	125	
Sc (ISICPMS)	45	No Gas	4721117.02	0.6	97.3	60	125	
Sc (ISICPMS)	45	H2	1260685.14	1.0	97.9	60	125	
Sc (ISICPMS)	45	He	45580.71	0.3	97.5	60	125	
Ge (IS)	74	H2	232677.77	0.9	100.6	60	125	
Ge (IS)	74	He	28144.41	2.4	103.0	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	59691.28	0.6	97.0	60	125	
Tb (IS)	159	He	334275.76	0.9	98.7	60	125	
Bi (IS)	209	He	252723.91	0.4	97.9	60	125	

DRAFT

Sample Report

File Name 055SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 13:36:04

Sample Name **LCS 460-984045/2-A**

Comment ---

Dilution **1.0000**

Vial # 2102

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	26.899	ug/l	1.7	2000	
B	11	6	No Gas	521.400	ug/l	1.5	2000	
Na	23	45	He	2724.831	ug/l	0.6	500000	
Mg	24	45	He	2700.389	ug/l	0.2	500000	
Al	27	45	He	2639.447	ug/l	1.4	500000	
K	39	45	He	2757.322	ug/l	1.2	500000	
Ca	40	45	H2	2701.793	ug/l	0.2	1000000	
Ti	47	45	No Gas	52.043	ug/l	1.3	10000	
V	51	45	He	52.285	ug/l	1.4	5000	
Cr	52	45	He	51.883	ug/l	1.9	20000	
Mn	55	45	He	261.630	ug/l	1.9	20000	
Fe	56	45	H2	2707.134	ug/l	0.8	500000	
Co	59	45	He	27.610	ug/l	1.0	2000	
Ni	60	45	He	48.545	ug/l	2.9	20000	
Cu	63	45	He	55.988	ug/l	0.4	20000	
Zn	66	45	He	265.126	ug/l	0.1	20000	
As	75	74	He	57.673	ug/l	1.6	5000	
Se	78	74	H2	57.087	ug/l	4.6	3000	
Sr	88	115	He	51.619	ug/l	1.3	5000	
Mo	95	115	He	52.801	ug/l	0.9	2000	
Ag	107	115	He	26.509	ug/l	0.9	1000	
Cd	111	115	He	27.188	ug/l	3.5	5000	
Sn	118	115	He	53.930	ug/l	1.3	2000	
Sb	121	115	He	25.522	ug/l	3.3	1000	
Ba	137	159	He	53.500	ug/l	3.4	20000	
Tl	205	209	He	20.757	ug/l	0.8	1000	
[Pb]	206	209	He	26.956	ug/l	1.8		
[Pb]	207	209	He	26.668	ug/l	2.2		
Pb	208	209	He	26.741	ug/l	0.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4821803.64	1.3	95.5	60	125	
Sc (ISICPMS)	45	No Gas	4853447.53	1.2	100.1	60	125	
Sc (ISICPMS)	45	H2	1276144.14	0.4	99.2	60	125	
Sc (ISICPMS)	45	He	46732.38	0.8	99.9	60	125	
Ge (IS)	74	H2	226563.18	0.4	98.0	60	125	
Ge (IS)	74	He	27241.62	1.2	99.7	60	125	
Kr	83	He	6.67	86.6				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	61109.28	0.6	99.3	60	125	
Tb (IS)	159	He	340160.15	0.5	100.4	60	125	
Bi (IS)	209	He	261226.50	0.8	101.2	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 056_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 13:38:34

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	103.147	ug/l	0.9	100	90	110	
B	11	6	No Gas	264.597	ug/l	0.4	250	225	275	
Na	23	45	He	25411.647	ug/l	0.9	25000	22500	27500	
Mg	24	45	He	25286.381	ug/l	0.7	25000	22500	27500	
Al	27	45	He	24735.812	ug/l	0.8	25000	22500	27500	
K	39	45	He	24925.979	ug/l	1.3	25000	22500	27500	
Ca	40	45	H2	24746.760	ug/l	0.2	25000	22500	27500	
Ti	47	45	No Gas	96.954	ug/l	1.7	100	90	110	
V	51	45	He	100.842	ug/l	2.1	100	90	110	
Cr	52	45	He	99.812	ug/l	1.1	100	90	110	
Mn	55	45	He	98.853	ug/l	0.0	100	90	110	
Fe	56	45	H2	25033.966	ug/l	0.4	25000	22500	27500	
Co	59	45	He	100.605	ug/l	0.7	100	90	110	
Ni	60	45	He	93.822	ug/l	1.0	100	90	110	
Cu	63	45	He	101.165	ug/l	1.2	100	90	110	
Zn	66	45	He	255.192	ug/l	0.8	250	225	275	
As	75	74	He	100.583	ug/l	2.3	100	90	110	
Se	78	74	H2	101.017	ug/l	0.8	100	90	110	
Sr	88	115	He	98.199	ug/l	3.3	100	90	110	
Mo	95	115	He	101.265	ug/l	3.1	100	90	110	
Ag	107	115	He	50.288	ug/l	1.6	50	45	55	
Cd	111	115	He	100.484	ug/l	1.3	100	90	110	
Sn	118	115	He	103.873	ug/l	3.1	100	90	110	
Sb	121	115	He	100.449	ug/l	1.4	100	90	110	
Ba	137	159	He	102.510	ug/l	1.5	100	90	110	
Tl	205	209	He	98.974	ug/l	0.8	100	90	110	
[Pb]	206	209	He	99.835	ug/l	1.5				
[Pb]	207	209	He	99.046	ug/l	1.0				
Pb	208	209	He	99.798	ug/l	0.6	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	4588634.76	0.2	90.9	60	125	
Sc (ISICPMS)	45	No Gas	4736467.88	0.3	97.7	60	125	
Sc (ISICPMS)	45	H2	1248386.56	0.6	97.0	60	125	
Sc (ISICPMS)	45	He	45965.41	0.5	98.3	60	125	
Ge (IS)	74	H2	228203.22	0.8	98.7	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	28060.85	0.5	102.7	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	59724.78	1.3	97.0	60	125	
Tb (IS)	159	He	336920.50	0.8	99.5	60	125	
Bi (IS)	209	He	252311.96	0.9	97.8	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 057_Blk.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 13:41:04

Sample Name **CCB**

Comment ---

Dilution 1.0000

Analyte Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.022	ug/l	22.7	0.8	-0.8	0.8	
B	11	6	No Gas	8.032	ug/l	1.8	40	-40	40	
Na	23	45	He	21.916	ug/l	41.8	500	-500	500	
Mg	24	45	He	3.384	ug/l	25.5	200	-200	200	
Al	27	45	He	1.105	ug/l	279.6	40	-40	40	
K	39	45	He	33.952	ug/l	22.3	200	-200	200	
Ca	40	45	H2	7.271	ug/l	7.8	500	-500	500	
Ti	47	45	No Gas	-0.015	ug/l	N/A	4	-4	4	
V	51	45	He	0.025	ug/l	253.4	4	-4	4	
Cr	52	45	He	-0.158	ug/l	N/A	4	-4	4	
Mn	55	45	He	-0.100	ug/l	N/A	8	-8	8	
Fe	56	45	H2	-3.702	ug/l	N/A	60	-60	60	
Co	59	45	He	0.043	ug/l	43.5	4	-4	4	
Ni	60	45	He	-5.841	ug/l	N/A	4	-4	4	> water RL
Cu	63	45	He	0.091	ug/l	86.7	4	-4	4	
Zn	66	45	He	-0.396	ug/l	N/A	16	-16	16	
As	75	74	He	0.004	ug/l	2827.6	2	-2	2	
Se	78	74	H2	0.186	ug/l	16.6	2.5	-2.5	2.5	
Sr	88	115	He	0.074	ug/l	224.7	4	-4	4	
Mo	95	115	He	0.007	ug/l	283.3	4	-4	4	
Ag	107	115	He	-0.004	ug/l	N/A	2	-2	2	
Cd	111	115	He	0.011	ug/l	173.2	2	-2	2	
Sn	118	115	He	-0.044	ug/l	N/A	16	-16	16	
Sb	121	115	He	0.097	ug/l	89.9	2	-2	2	
Ba	137	159	He	0.189	ug/l	76.9	4	-4	4	
Tl	205	209	He	-0.004	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.106	ug/l	28.7				
[Pb]	207	209	He	0.163	ug/l	49.4				
Pb	208	209	He	0.163	ug/l	10.2	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	4708577.98	1.1	93.3	60	125	
Sc (ISICPMS)	45	No Gas	4748897.78	0.3	97.9	60	125	
Sc (ISICPMS)	45	H2	1253726.13	0.5	97.4	60	125	
Sc (ISICPMS)	45	He	45568.49	1.1	97.4	60	125	
Ge (IS)	74	H2	224443.19	0.2	97.1	60	125	
Ge (IS)	74	He	26840.66	2.1	98.2	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	60044.80	1.4	97.5	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	334936.71	0.4	98.9	60	125	
Bi (IS)	209	He	258309.43	0.4	100.1	60	125	

DRAFT

Sample Report

File Name 058SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 13:43:35

Sample Name **460-306762-F-1-B**

Comment ---

Dilution **1.0000**

Vial # 2108

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.008	ug/l	174.1	2000	
B	11	6	No Gas	754.075	ug/l	1.6	2000	
Na	23	45	He	112035.508	ug/l	0.5	500000	
Mg	24	45	He	54731.231	ug/l	0.4	500000	
Al	27	45	He	-1.576	ug/l	N/A	500000	
K	39	45	He	95338.131	ug/l	0.7	500000	
Ca	40	45	H2	110602.556	ug/l	1.2	1000000	
Ti	47	45	No Gas	13.655	ug/l	0.8	10000	
V	51	45	He	0.305	ug/l	33.5	5000	
Cr	52	45	He	-0.467	ug/l	N/A	20000	
Mn	55	45	He	218.069	ug/l	1.2	20000	
Fe	56	45	H2	4.126	ug/l	5.3	500000	
Co	59	45	He	2.105	ug/l	1.1	2000	
Ni	60	45	He	0.334	ug/l	74.8	20000	
Cu	63	45	He	0.239	ug/l	26.6	20000	
Zn	66	45	He	1.877	ug/l	9.5	20000	
As	75	74	He	1.015	ug/l	29.6	5000	
Se	78	74	H2	0.228	ug/l	28.3	3000	
Sr	88	115	He	1310.651	ug/l	1.5	5000	
Mo	95	115	He	1.613	ug/l	3.6	2000	
Ag	107	115	He	-0.004	ug/l	N/A	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	-1.002	ug/l	N/A	2000	
Sb	121	115	He	0.318	ug/l	12.8	1000	
Ba	137	159	He	117.701	ug/l	1.6	20000	
Tl	205	209	He	-0.010	ug/l	N/A	1000	
[Pb]	206	209	He	0.113	ug/l	26.1		
[Pb]	207	209	He	0.162	ug/l	15.1		
Pb	208	209	He	0.135	ug/l	13.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4870627.01	0.5	96.5	60	125	
Sc (ISICPMS)	45	No Gas	4836976.66	0.5	99.7	60	125	
Sc (ISICPMS)	45	H2	1273840.38	0.6	99.0	60	125	
Sc (ISICPMS)	45	He	46343.20	0.3	99.1	60	125	
Ge (IS)	74	H2	233467.58	1.2	101.0	60	125	
Ge (IS)	74	He	27616.03	2.5	101.1	60	125	
Kr	83	He	3.34	173.2				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	60123.36	1.5	97.7	60	125	
Tb (IS)	159	He	335307.19	0.8	99.0	60	125	
Bi (IS)	209	He	247855.21	0.5	96.1	60	125	

DRAFT

Sample Report

File Name 059SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 13:46:05

Sample Name **460-306762-F-2-B**

Comment ---

Dilution **1.0000**

Vial # 2109

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.006	ug/l	102.7	2000	
B	11	6	No Gas	702.716	ug/l	0.8	2000	
Na	23	45	He	107684.974	ug/l	1.3	500000	
Mg	24	45	He	53391.222	ug/l	1.0	500000	
Al	27	45	He	0.467	ug/l	289.9	500000	
K	39	45	He	94666.397	ug/l	1.1	500000	
Ca	40	45	H2	144578.161	ug/l	1.0	1000000	
Ti	47	45	No Gas	17.281	ug/l	2.0	10000	
V	51	45	He	0.353	ug/l	8.9	5000	
Cr	52	45	He	-0.520	ug/l	N/A	20000	
Mn	55	45	He	867.307	ug/l	0.9	20000	
Fe	56	45	H2	7.765	ug/l	5.0	500000	
Co	59	45	He	3.117	ug/l	2.7	2000	
Ni	60	45	He	-0.708	ug/l	N/A	20000	
Cu	63	45	He	-0.032	ug/l	N/A	20000	
Zn	66	45	He	1.086	ug/l	17.9	20000	
As	75	74	He	0.845	ug/l	73.8	5000	
Se	78	74	H2	0.157	ug/l	59.5	3000	
Sr	88	115	He	1399.715	ug/l	1.8	5000	
Mo	95	115	He	1.658	ug/l	13.4	2000	
Ag	107	115	He	-0.005	ug/l	N/A	1000	
Cd	111	115	He	0.012	ug/l	173.2	5000	
Sn	118	115	He	-1.236	ug/l	N/A	2000	
Sb	121	115	He	0.238	ug/l	27.0	1000	
Ba	137	159	He	132.535	ug/l	2.3	20000	
Tl	205	209	He	-0.002	ug/l	N/A	1000	
[Pb]	206	209	He	0.096	ug/l	63.1		
[Pb]	207	209	He	0.183	ug/l	10.8		
Pb	208	209	He	0.150	ug/l	9.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4812269.76	0.5	95.3	60	125	
Sc (ISICPMS)	45	No Gas	4807437.25	0.9	99.1	60	125	
Sc (ISICPMS)	45	H2	1275811.07	1.2	99.1	60	125	
Sc (ISICPMS)	45	He	46149.28	0.7	98.7	60	125	
Ge (IS)	74	H2	233983.41	1.1	101.2	60	125	
Ge (IS)	74	He	28408.37	1.6	104.0	60	125	
Kr	83	He	3.34	173.2				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	59292.28	0.9	96.3	60	125	
Tb (IS)	159	He	334889.06	1.1	98.9	60	125	
Bi (IS)	209	He	246391.14	0.7	95.5	60	125	

DRAFT

Sample Report

File Name 060SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 13:48:36

Sample Name **460-306762-F-4-B**

Comment ---

Dilution **1.0000**

Vial # 2110

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.003	ug/l	165.6	2000	
B	11	6	No Gas	696.682	ug/l	0.4	2000	
Na	23	45	He	110154.659	ug/l	1.4	500000	
Mg	24	45	He	54325.461	ug/l	1.1	500000	
Al	27	45	He	-0.784	ug/l	N/A	500000	
K	39	45	He	97433.577	ug/l	1.2	500000	
Ca	40	45	H2	151139.423	ug/l	1.2	1000000	
Ti	47	45	No Gas	17.673	ug/l	1.2	10000	
V	51	45	He	0.288	ug/l	20.6	5000	
Cr	52	45	He	-0.203	ug/l	N/A	20000	
Mn	55	45	He	844.259	ug/l	2.1	20000	
Fe	56	45	H2	7.984	ug/l	7.2	500000	
Co	59	45	He	3.092	ug/l	5.4	2000	
Ni	60	45	He	-0.190	ug/l	N/A	20000	
Cu	63	45	He	0.058	ug/l	92.4	20000	
Zn	66	45	He	1.091	ug/l	18.8	20000	
As	75	74	He	0.737	ug/l	61.7	5000	
Se	78	74	H2	0.154	ug/l	35.0	3000	
Sr	88	115	He	1382.709	ug/l	0.4	5000	
Mo	95	115	He	1.429	ug/l	11.9	2000	
Ag	107	115	He	0.002	ug/l	224.9	1000	
Cd	111	115	He	0.034	ug/l	100.2	5000	
Sn	118	115	He	-0.713	ug/l	N/A	2000	
Sb	121	115	He	0.133	ug/l	43.9	1000	
Ba	137	159	He	132.194	ug/l	2.9	20000	
Tl	205	209	He	-0.013	ug/l	N/A	1000	
[Pb]	206	209	He	0.170	ug/l	41.5		
[Pb]	207	209	He	0.205	ug/l	25.3		
Pb	208	209	He	0.173	ug/l	13.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4796812.88	1.2	95.0	60	125	
Sc (ISICPMS)	45	No Gas	4851449.96	0.7	100.0	60	125	
Sc (ISICPMS)	45	H2	1285803.53	0.6	99.9	60	125	
Sc (ISICPMS)	45	He	45941.83	1.5	98.2	60	125	
Ge (IS)	74	H2	236632.59	0.8	102.3	60	125	
Ge (IS)	74	He	28649.28	0.9	104.9	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	61302.13	0.5	99.6	60	125	
Tb (IS)	159	He	337133.91	1.3	99.5	60	125	
Bi (IS)	209	He	250317.51	0.8	97.0	60	125	

DRAFT

Sample Report

File Name 061SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 13:51:07

Sample Name **460-306773-H-2-B**

Comment ---

Dilution **1.0000**

Vial # 2111

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.005	ug/l	229.6	2000	
B	11	6	No Gas	10.516	ug/l	4.5	2000	
Na	23	45	He	-19.515	ug/l	N/A	500000	
Mg	24	45	He	4.524	ug/l	25.7	500000	
Al	27	45	He	-2.061	ug/l	N/A	500000	
K	39	45	He	27.807	ug/l	51.3	500000	
Ca	40	45	H2	4.715	ug/l	10.4	1000000	
Ti	47	45	No Gas	-0.791	ug/l	N/A	10000	
V	51	45	He	0.014	ug/l	339.7	5000	
Cr	52	45	He	-1.142	ug/l	N/A	20000	
Mn	55	45	He	-0.296	ug/l	N/A	20000	
Fe	56	45	H2	-12.766	ug/l	N/A	500000	
Co	59	45	He	-0.026	ug/l	N/A	2000	
Ni	60	45	He	-8.177	ug/l	N/A	20000	
Cu	63	45	He	-0.131	ug/l	N/A	20000	
Zn	66	45	He	0.391	ug/l	95.4	20000	
As	75	74	He	-0.070	ug/l	N/A	5000	
Se	78	74	H2	0.038	ug/l	216.6	3000	
Sr	88	115	He	0.086	ug/l	39.6	5000	
Mo	95	115	He	-0.009	ug/l	N/A	2000	
Ag	107	115	He	-0.001	ug/l	N/A	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	-1.234	ug/l	N/A	2000	
Sb	121	115	He	0.125	ug/l	55.1	1000	
Ba	137	159	He	0.068	ug/l	127.6	20000	
Tl	205	209	He	-0.049	ug/l	N/A	1000	
[Pb]	206	209	He	0.109	ug/l	13.0		
[Pb]	207	209	He	0.165	ug/l	12.5		
Pb	208	209	He	0.147	ug/l	7.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4906237.60	1.2	97.2	60	125	
Sc (ISICPMS)	45	No Gas	4906192.39	0.8	101.2	60	125	
Sc (ISICPMS)	45	H2	1307707.96	0.5	101.6	60	125	
Sc (ISICPMS)	45	He	47424.59	0.0	101.4	60	125	
Ge (IS)	74	H2	226486.49	1.3	98.0	60	125	
Ge (IS)	74	He	27351.84	2.4	100.1	60	125	
Kr	83	He	3.34	173.2				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	62054.74	1.6	100.8	60	125	
Tb (IS)	159	He	343717.33	0.9	101.5	60	125	
Bi (IS)	209	He	262430.07	0.7	101.7	60	125	

DRAFT

Sample Report

File Name 062SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 13:53:38

Sample Name **460-306932-A-1-B**

Comment ---

Dilution **1.0000**

Vial # 2112

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.037	ug/l	43.4	2000	
B	11	6	No Gas	12.719	ug/l	1.9	2000	
Na	23	45	He	1795.838	ug/l	2.1	500000	
Mg	24	45	He	275.463	ug/l	3.5	500000	
Al	27	45	He	43.616	ug/l	12.8	500000	
K	39	45	He	782.835	ug/l	1.5	500000	
Ca	40	45	H2	342.491	ug/l	0.6	1000000	
Ti	47	45	No Gas	0.119	ug/l	124.7	10000	
V	51	45	He	-0.009	ug/l	N/A	5000	
Cr	52	45	He	-0.943	ug/l	N/A	20000	
Mn	55	45	He	3.865	ug/l	10.6	20000	
Fe	56	45	H2	-10.192	ug/l	N/A	500000	
Co	59	45	He	0.238	ug/l	16.6	2000	
Ni	60	45	He	-7.720	ug/l	N/A	20000	
Cu	63	45	He	1.210	ug/l	7.0	20000	
Zn	66	45	He	8.581	ug/l	8.0	20000	
As	75	74	He	0.059	ug/l	358.5	5000	
Se	78	74	H2	0.101	ug/l	102.5	3000	
Sr	88	115	He	4.425	ug/l	5.6	5000	
Mo	95	115	He	-0.017	ug/l	N/A	2000	
Ag	107	115	He	-0.001	ug/l	N/A	1000	
Cd	111	115	He	0.056	ug/l	70.9	5000	
Sn	118	115	He	-1.101	ug/l	N/A	2000	
Sb	121	115	He	0.219	ug/l	27.9	1000	
Ba	137	159	He	15.883	ug/l	7.2	20000	
Tl	205	209	He	-0.033	ug/l	N/A	1000	
[Pb]	206	209	He	0.127	ug/l	36.3		
[Pb]	207	209	He	0.146	ug/l	35.1		
Pb	208	209	He	0.139	ug/l	11.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4857753.54	0.4	96.2	60	125	
Sc (ISICPMS)	45	No Gas	4874075.10	0.5	100.5	60	125	
Sc (ISICPMS)	45	H2	1286057.20	0.8	99.9	60	125	
Sc (ISICPMS)	45	He	47098.94	0.7	100.7	60	125	
Ge (IS)	74	H2	237385.97	0.3	102.7	60	125	
Ge (IS)	74	He	28505.48	2.0	104.3	60	125	
Kr	83	He	3.34	173.2				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	62018.54	1.4	100.7	60	125	
Tb (IS)	159	He	339442.47	0.8	100.2	60	125	
Bi (IS)	209	He	262191.95	0.5	101.6	60	125	

DRAFT

Sample Report

File Name 063SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 13:56:08

Sample Name **460-306932-A-2-B**

Comment ---

Dilution **1.0000**

Vial # 2201

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.020	ug/l	91.7	2000	
B	11	6	No Gas	9.268	ug/l	1.2	2000	
Na	23	45	He	1714.161	ug/l	0.8	500000	
Mg	24	45	He	235.040	ug/l	0.6	500000	
Al	27	45	He	4.981	ug/l	21.6	500000	
K	39	45	He	913.216	ug/l	3.0	500000	
Ca	40	45	H2	516.760	ug/l	1.0	1000000	
Ti	47	45	No Gas	0.178	ug/l	57.7	10000	
V	51	45	He	-0.044	ug/l	N/A	5000	
Cr	52	45	He	-1.310	ug/l	N/A	20000	
Mn	55	45	He	4.745	ug/l	2.0	20000	
Fe	56	45	H2	-10.460	ug/l	N/A	500000	
Co	59	45	He	0.133	ug/l	5.6	2000	
Ni	60	45	He	-7.502	ug/l	N/A	20000	
Cu	63	45	He	0.663	ug/l	16.7	20000	
Zn	66	45	He	3.656	ug/l	11.9	20000	
As	75	74	He	-0.007	ug/l	N/A	5000	
Se	78	74	H2	0.000	ug/l	N/A	3000	
Sr	88	115	He	5.081	ug/l	6.6	5000	
Mo	95	115	He	-0.003	ug/l	N/A	2000	
Ag	107	115	He	0.001	ug/l	711.6	1000	
Cd	111	115	He	0.022	ug/l	86.6	5000	
Sn	118	115	He	-1.181	ug/l	N/A	2000	
Sb	121	115	He	0.067	ug/l	57.1	1000	
Ba	137	159	He	14.527	ug/l	1.5	20000	
Tl	205	209	He	-0.039	ug/l	N/A	1000	
[Pb]	206	209	He	0.095	ug/l	39.7		
[Pb]	207	209	He	0.124	ug/l	21.1		
Pb	208	209	He	0.109	ug/l	6.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4843153.05	1.5	95.9	60	125	
Sc (ISICPMS)	45	No Gas	4823088.85	1.6	99.4	60	125	
Sc (ISICPMS)	45	H2	1265217.88	1.2	98.3	60	125	
Sc (ISICPMS)	45	He	46498.21	1.0	99.4	60	125	
Ge (IS)	74	H2	232056.53	0.9	100.4	60	125	
Ge (IS)	74	He	28635.86	2.0	104.8	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	61006.59	0.7	99.1	60	125	
Tb (IS)	159	He	337648.62	0.7	99.7	60	125	
Bi (IS)	209	He	260261.47	1.3	100.9	60	125	

DRAFT

Sample Report

File Name 064SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 13:58:38

Sample Name **460-306932-A-3-B**

Comment ---

Dilution **1.0000**

Vial # 2202

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.002	ug/l	437.5	2000	
B	11	6	No Gas	12.795	ug/l	3.9	2000	
Na	23	45	He	2718.365	ug/l	1.1	500000	
Mg	24	45	He	2126.627	ug/l	1.4	500000	
Al	27	45	He	9.280	ug/l	25.3	500000	
K	39	45	He	763.575	ug/l	1.0	500000	
Ca	40	45	H2	3625.676	ug/l	1.0	1000000	
Ti	47	45	No Gas	-0.090	ug/l	N/A	10000	
V	51	45	He	0.031	ug/l	157.1	5000	
Cr	52	45	He	-1.065	ug/l	N/A	20000	
Mn	55	45	He	0.210	ug/l	55.1	20000	
Fe	56	45	H2	18.671	ug/l	1.5	500000	
Co	59	45	He	0.042	ug/l	49.0	2000	
Ni	60	45	He	-7.903	ug/l	N/A	20000	
Cu	63	45	He	0.260	ug/l	3.3	20000	
Zn	66	45	He	2.748	ug/l	8.9	20000	
As	75	74	He	0.227	ug/l	51.0	5000	
Se	78	74	H2	-0.035	ug/l	N/A	3000	
Sr	88	115	He	12.304	ug/l	6.0	5000	
Mo	95	115	He	0.133	ug/l	48.8	2000	
Ag	107	115	He	0.004	ug/l	73.7	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	-0.857	ug/l	N/A	2000	
Sb	121	115	He	0.122	ug/l	35.2	1000	
Ba	137	159	He	13.740	ug/l	14.7	20000	
Tl	205	209	He	-0.036	ug/l	N/A	1000	
[Pb]	206	209	He	0.152	ug/l	31.4		
[Pb]	207	209	He	0.174	ug/l	19.1		
Pb	208	209	He	0.155	ug/l	20.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4912282.81	1.0	97.3	60	125	
Sc (ISICPMS)	45	No Gas	4869689.68	0.7	100.4	60	125	
Sc (ISICPMS)	45	H2	1287663.97	0.6	100.0	60	125	
Sc (ISICPMS)	45	He	46786.94	1.1	100.0	60	125	
Ge (IS)	74	H2	230630.53	1.0	99.7	60	125	
Ge (IS)	74	He	28040.88	0.9	102.6	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	61625.13	1.2	100.1	60	125	
Tb (IS)	159	He	339517.73	1.0	100.2	60	125	
Bi (IS)	209	He	260284.92	0.3	100.9	60	125	

DRAFT

Sample Report

File Name 065SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 14:01:08

Sample Name **460-306932-A-4-B**

Comment ---

Dilution **1.0000**

Vial # 2203

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.015	ug/l	44.4	2000	
B	11	6	No Gas	12.580	ug/l	3.5	2000	
Na	23	45	He	3270.627	ug/l	0.8	500000	
Mg	24	45	He	1822.637	ug/l	1.7	500000	
Al	27	45	He	7.284	ug/l	36.1	500000	
K	39	45	He	762.414	ug/l	2.0	500000	
Ca	40	45	H2	3073.892	ug/l	1.1	1000000	
Ti	47	45	No Gas	-0.803	ug/l	N/A	10000	
V	51	45	He	-0.083	ug/l	N/A	5000	
Cr	52	45	He	-0.964	ug/l	N/A	20000	
Mn	55	45	He	0.078	ug/l	369.9	20000	
Fe	56	45	H2	31.854	ug/l	1.7	500000	
Co	59	45	He	0.013	ug/l	113.6	2000	
Ni	60	45	He	-8.321	ug/l	N/A	20000	
Cu	63	45	He	0.219	ug/l	44.7	20000	
Zn	66	45	He	2.434	ug/l	5.0	20000	
As	75	74	He	0.290	ug/l	32.9	5000	
Se	78	74	H2	0.069	ug/l	244.3	3000	
Sr	88	115	He	12.414	ug/l	3.1	5000	
Mo	95	115	He	0.035	ug/l	207.5	2000	
Ag	107	115	He	-0.001	ug/l	N/A	1000	
Cd	111	115	He	0.011	ug/l	173.2	5000	
Sn	118	115	He	-1.047	ug/l	N/A	2000	
Sb	121	115	He	0.179	ug/l	5.4	1000	
Ba	137	159	He	19.091	ug/l	1.2	20000	
Tl	205	209	He	-0.038	ug/l	N/A	1000	
[Pb]	206	209	He	0.119	ug/l	32.6		
[Pb]	207	209	He	0.172	ug/l	14.1		
Pb	208	209	He	0.151	ug/l	18.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4929710.38	0.8	97.6	60	125	
Sc (ISICPMS)	45	No Gas	4849439.30	1.5	100.0	60	125	
Sc (ISICPMS)	45	H2	1306671.34	1.0	101.5	60	125	
Sc (ISICPMS)	45	He	47378.91	1.0	101.3	60	125	
Ge (IS)	74	H2	233490.45	0.7	101.0	60	125	
Ge (IS)	74	He	28228.03	1.0	103.3	60	125	
Kr	83	He	0.00	N/A				

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Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	62488.39	0.6	101.5	60	125	
Tb (IS)	159	He	344223.88	1.0	101.6	60	125	
Bi (IS)	209	He	265846.77	0.2	103.0	60	125	

DRAFT

Sample Report

File Name 066SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 14:03:38

Sample Name **460-306932-A-5-B**

Comment ---

Dilution **1.0000**

Vial # 2204

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.047	ug/l	16.1	2000	
B	11	6	No Gas	9.144	ug/l	1.6	2000	
Na	23	45	He	1941.149	ug/l	1.5	500000	
Mg	24	45	He	525.384	ug/l	3.7	500000	
Al	27	45	He	15.395	ug/l	13.0	500000	
K	39	45	He	758.747	ug/l	3.2	500000	
Ca	40	45	H2	916.973	ug/l	0.9	1000000	
Ti	47	45	No Gas	-0.993	ug/l	N/A	10000	
V	51	45	He	-0.036	ug/l	N/A	5000	
Cr	52	45	He	-0.959	ug/l	N/A	20000	
Mn	55	45	He	14.044	ug/l	4.5	20000	
Fe	56	45	H2	-1.226	ug/l	N/A	500000	
Co	59	45	He	0.342	ug/l	10.5	2000	
Ni	60	45	He	-7.818	ug/l	N/A	20000	
Cu	63	45	He	0.108	ug/l	123.1	20000	
Zn	66	45	He	3.623	ug/l	6.4	20000	
As	75	74	He	0.211	ug/l	88.0	5000	
Se	78	74	H2	0.142	ug/l	57.8	3000	
Sr	88	115	He	7.399	ug/l	8.5	5000	
Mo	95	115	He	0.005	ug/l	649.7	2000	
Ag	107	115	He	0.003	ug/l	311.5	1000	
Cd	111	115	He	0.011	ug/l	173.2	5000	
Sn	118	115	He	-1.251	ug/l	N/A	2000	
Sb	121	115	He	0.077	ug/l	34.3	1000	
Ba	137	159	He	13.417	ug/l	5.4	20000	
Tl	205	209	He	-0.035	ug/l	N/A	1000	
[Pb]	206	209	He	0.158	ug/l	15.3		
[Pb]	207	209	He	0.187	ug/l	23.3		
Pb	208	209	He	0.153	ug/l	11.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4948310.48	0.8	98.0	60	125	
Sc (ISICPMS)	45	No Gas	4873181.94	0.8	100.5	60	125	
Sc (ISICPMS)	45	H2	1289100.13	1.2	100.2	60	125	
Sc (ISICPMS)	45	He	46477.10	1.2	99.4	60	125	
Ge (IS)	74	H2	231132.61	0.4	100.0	60	125	
Ge (IS)	74	He	27024.22	2.6	98.9	60	125	
Kr	83	He	0.00	N/A				

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Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	61365.06	1.7	99.7	60	125	
Tb (IS)	159	He	342721.54	0.4	101.2	60	125	
Bi (IS)	209	He	262908.59	1.5	101.9	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 067_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 14:06:08

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	100.943	ug/l	0.7	100	90	110	
B	11	6	No Gas	253.281	ug/l	0.6	250	225	275	
Na	23	45	He	25222.909	ug/l	0.7	25000	22500	27500	
Mg	24	45	He	25075.295	ug/l	0.2	25000	22500	27500	
Al	27	45	He	24452.269	ug/l	0.3	25000	22500	27500	
K	39	45	He	24811.701	ug/l	0.3	25000	22500	27500	
Ca	40	45	H2	24993.309	ug/l	1.1	25000	22500	27500	
Ti	47	45	No Gas	98.265	ug/l	1.6	100	90	110	
V	51	45	He	98.511	ug/l	1.5	100	90	110	
Cr	52	45	He	97.747	ug/l	2.0	100	90	110	
Mn	55	45	He	100.828	ug/l	2.8	100	90	110	
Fe	56	45	H2	25307.714	ug/l	1.4	25000	22500	27500	
Co	59	45	He	99.920	ug/l	1.1	100	90	110	
Ni	60	45	He	90.724	ug/l	1.9	100	90	110	
Cu	63	45	He	99.754	ug/l	2.0	100	90	110	
Zn	66	45	He	252.811	ug/l	1.1	250	225	275	
As	75	74	He	92.055	ug/l	2.8	100	90	110	
Se	78	74	H2	99.257	ug/l	4.1	100	90	110	
Sr	88	115	He	99.172	ug/l	0.9	100	90	110	
Mo	95	115	He	99.877	ug/l	0.4	100	90	110	
Ag	107	115	He	49.816	ug/l	1.3	50	45	55	
Cd	111	115	He	99.220	ug/l	1.7	100	90	110	
Sn	118	115	He	100.172	ug/l	0.3	100	90	110	
Sb	121	115	He	101.846	ug/l	1.0	100	90	110	
Ba	137	159	He	99.745	ug/l	3.4	100	90	110	
Tl	205	209	He	100.197	ug/l	1.1	100	90	110	
[Pb]	206	209	He	100.279	ug/l	0.3				
[Pb]	207	209	He	98.670	ug/l	1.4				
Pb	208	209	He	99.586	ug/l	0.8	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	4741016.39	0.3	93.9	60	125	
Sc (ISICPMS)	45	No Gas	4721474.93	0.2	97.3	60	125	
Sc (ISICPMS)	45	H2	1254469.66	1.0	97.5	60	125	
Sc (ISICPMS)	45	He	46379.05	0.9	99.2	60	125	
Ge (IS)	74	H2	231475.21	0.3	100.1	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	28896.57	1.5	105.8	60	125	
Kr	83	He	3.34	173.2				
In-1	115	He	60346.49	0.5	98.0	60	125	
Tb (IS)	159	He	337777.44	0.9	99.7	60	125	
Bi (IS)	209	He	252674.93	0.7	97.9	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 068_Blk.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 14:08:39

Sample Name **CCB**

Comment ---

Dilution 1.0000

Multiplier Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.021	ug/l	41.6	0.8	-0.8	0.8	
B	11	6	No Gas	4.043	ug/l	10.7	40	-40	40	
Na	23	45	He	22.079	ug/l	12.5	500	-500	500	
Mg	24	45	He	2.819	ug/l	30.3	200	-200	200	
Al	27	45	He	3.511	ug/l	67.0	40	-40	40	
K	39	45	He	32.741	ug/l	10.9	200	-200	200	
Ca	40	45	H2	8.982	ug/l	6.3	500	-500	500	
Ti	47	45	No Gas	-0.184	ug/l	N/A	4	-4	4	
V	51	45	He	0.122	ug/l	57.0	4	-4	4	
Cr	52	45	He	-0.132	ug/l	N/A	4	-4	4	
Mn	55	45	He	-0.245	ug/l	N/A	8	-8	8	
Fe	56	45	H2	-3.526	ug/l	N/A	60	-60	60	
Co	59	45	He	0.013	ug/l	220.0	4	-4	4	
Ni	60	45	He	-7.526	ug/l	N/A	4	-4	4	> water RL
Cu	63	45	He	0.224	ug/l	58.1	4	-4	4	
Zn	66	45	He	0.719	ug/l	63.9	16	-16	16	
As	75	74	He	-0.033	ug/l	N/A	2	-2	2	
Se	78	74	H2	0.021	ug/l	147.5	2.5	-2.5	2.5	
Sr	88	115	He	0.150	ug/l	30.6	4	-4	4	
Mo	95	115	He	0.094	ug/l	28.5	4	-4	4	
Ag	107	115	He	-0.001	ug/l	N/A	2	-2	2	
Cd	111	115	He	0.023	ug/l	86.6	2	-2	2	
Sn	118	115	He	-0.105	ug/l	N/A	16	-16	16	
Sb	121	115	He	0.040	ug/l	107.0	2	-2	2	
Ba	137	159	He	-0.060	ug/l	N/A	4	-4	4	
Tl	205	209	He	-0.014	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.140	ug/l	6.4				
[Pb]	207	209	He	0.178	ug/l	9.7				
Pb	208	209	He	0.163	ug/l	9.6	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	4717791.32	1.1	93.5	60	125	
Sc (ISICPMS)	45	No Gas	4778959.96	0.7	98.5	60	125	
Sc (ISICPMS)	45	H2	1261223.57	0.5	98.0	60	125	
Sc (ISICPMS)	45	He	44926.40	0.2	96.1	60	125	
Ge (IS)	74	H2	225207.18	0.4	97.4	60	125	
Ge (IS)	74	He	27001.04	2.9	98.8	60	125	
Kr	83	He	3.34	173.2				
In-1	115	He	60800.72	0.8	98.8	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	336075.09	0.3	99.2	60	125	
Bi (IS)	209	He	256997.21	0.2	99.6	60	125	

DRAFT

Sample Report

File Name 069SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 14:11:09

Sample Name **460-306937-I-1-B**

Comment ---

Dilution **1.0000**

Vial # 2205

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.006	ug/l	75.8	2000	
B	11	6	No Gas	87.266	ug/l	1.4	2000	
Na	23	45	He	145153.447	ug/l	0.9	500000	
Mg	24	45	He	69313.874	ug/l	0.3	500000	
Al	27	45	He	0.908	ug/l	201.6	500000	
K	39	45	He	2609.492	ug/l	0.3	500000	
Ca	40	45	H2	374651.503	ug/l	0.5	1000000	
Ti	47	45	No Gas	9.124	ug/l	1.4	10000	
V	51	45	He	0.864	ug/l	10.5	5000	
Cr	52	45	He	113.305	ug/l	0.9	20000	
Mn	55	45	He	-0.024	ug/l	N/A	20000	
Fe	56	45	H2	-13.431	ug/l	N/A	500000	
Co	59	45	He	0.057	ug/l	29.3	2000	
Ni	60	45	He	-7.055	ug/l	N/A	20000	
Cu	63	45	He	0.182	ug/l	12.5	20000	
Zn	66	45	He	2.918	ug/l	7.9	20000	
As	75	74	He	0.166	ug/l	187.6	5000	
Se	78	74	H2	1.061	ug/l	9.0	3000	
Sr	88	115	He	515.041	ug/l	1.6	5000	
Mo	95	115	He	0.049	ug/l	44.9	2000	
Ag	107	115	He	0.009	ug/l	51.0	1000	
Cd	111	115	He	0.082	ug/l	65.8	5000	
Sn	118	115	He	-1.100	ug/l	N/A	2000	
Sb	121	115	He	0.333	ug/l	17.5	1000	
Ba	137	159	He	18.074	ug/l	4.5	20000	
Tl	205	209	He	-0.035	ug/l	N/A	1000	
[Pb]	206	209	He	0.233	ug/l	30.8		
[Pb]	207	209	He	0.183	ug/l	11.9		
Pb	208	209	He	0.229	ug/l	22.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4927901.73	0.5	97.6	60	125	
Sc (ISICPMS)	45	No Gas	4760800.83	0.8	98.2	60	125	
Sc (ISICPMS)	45	H2	1270265.24	0.9	98.7	60	125	
Sc (ISICPMS)	45	He	45776.86	0.7	97.9	60	125	
Ge (IS)	74	H2	232175.12	1.0	100.4	60	125	
Ge (IS)	74	He	27736.34	0.8	101.5	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	58707.09	1.4	95.4	60	125	
Tb (IS)	159	He	335795.65	0.6	99.1	60	125	
Bi (IS)	209	He	248045.82	0.7	96.1	60	125	

DRAFT

Sample Report

File Name 070SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 14:13:40

Sample Name **460-306937-I-6-B**

Comment ---

Dilution **1.0000**

Vial # 2206

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.012	ug/l	95.6	2000	
B	11	6	No Gas	535.142	ug/l	1.2	2000	
Na	23	45	He	33130.340	ug/l	0.4	500000	
Mg	24	45	He	36840.223	ug/l	1.4	500000	
Al	27	45	He	0.232	ug/l	1446.7	500000	
K	39	45	He	3163.084	ug/l	0.9	500000	
Ca	40	45	H2	88277.442	ug/l	1.0	1000000	
Ti	47	45	No Gas	3.750	ug/l	5.0	10000	
V	51	45	He	3.673	ug/l	8.7	5000	
Cr	52	45	He	3.754	ug/l	8.2	20000	
Mn	55	45	He	2066.117	ug/l	0.9	20000	
Fe	56	45	H2	-12.370	ug/l	N/A	500000	
Co	59	45	He	0.618	ug/l	10.4	2000	
Ni	60	45	He	-7.232	ug/l	N/A	20000	
Cu	63	45	He	3.500	ug/l	4.5	20000	
Zn	66	45	He	2.718	ug/l	36.7	20000	
As	75	74	He	1.722	ug/l	22.6	5000	
Se	78	74	H2	0.190	ug/l	58.8	3000	
Sr	88	115	He	508.470	ug/l	2.3	5000	
Mo	95	115	He	2.766	ug/l	7.0	2000	
Ag	107	115	He	-0.003	ug/l	N/A	1000	
Cd	111	115	He	0.477	ug/l	43.8	5000	
Sn	118	115	He	-1.081	ug/l	N/A	2000	
Sb	121	115	He	0.287	ug/l	4.7	1000	
Ba	137	159	He	114.561	ug/l	1.6	20000	
Tl	205	209	He	-0.039	ug/l	N/A	1000	
[Pb]	206	209	He	0.122	ug/l	24.5		
[Pb]	207	209	He	0.140	ug/l	18.5		
Pb	208	209	He	0.142	ug/l	11.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4854771.04	1.6	96.2	60	125	
Sc (ISICPMS)	45	No Gas	4821254.23	1.0	99.4	60	125	
Sc (ISICPMS)	45	H2	1295389.19	0.3	100.6	60	125	
Sc (ISICPMS)	45	He	46605.36	0.9	99.7	60	125	
Ge (IS)	74	H2	236393.00	1.3	102.2	60	125	
Ge (IS)	74	He	28960.25	3.4	106.0	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	60665.94	1.1	98.6	60	125	
Tb (IS)	159	He	339507.33	1.6	100.2	60	125	
Bi (IS)	209	He	254601.49	0.9	98.7	60	125	

DRAFT

Sample Report

File Name 071SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 14:16:10

Sample Name **460-306773-H-3-A**

Comment ---

Dilution **1.0000**

Vial # 2207

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.012	ug/l	49.8	2000	
B	11	6	No Gas	53.714	ug/l	1.2	2000	
Na	23	45	He	179743.903	ug/l	0.9	500000	
Mg	24	45	He	3402.873	ug/l	0.9	500000	
Al	27	45	He	2.564	ug/l	102.7	500000	
K	39	45	He	2881.598	ug/l	1.8	500000	
Ca	40	45	H2	9535.002	ug/l	0.8	1000000	
Ti	47	45	No Gas	5.800	ug/l	1.3	10000	
V	51	45	He	-0.060	ug/l	N/A	5000	
Cr	52	45	He	-0.747	ug/l	N/A	20000	
Mn	55	45	He	70.899	ug/l	1.5	20000	
Fe	56	45	H2	660.070	ug/l	2.1	500000	
Co	59	45	He	1.228	ug/l	7.0	2000	
Ni	60	45	He	-5.932	ug/l	N/A	20000	
Cu	63	45	He	1.878	ug/l	5.8	20000	
Zn	66	45	He	3.628	ug/l	4.7	20000	
As	75	74	He	0.287	ug/l	91.6	5000	
Se	78	74	H2	2.495	ug/l	14.9	3000	
Sr	88	115	He	49.588	ug/l	4.8	5000	
Mo	95	115	He	0.186	ug/l	21.4	2000	
Ag	107	115	He	0.006	ug/l	132.4	1000	
Cd	111	115	He	0.080	ug/l	64.2	5000	
Sn	118	115	He	-0.684	ug/l	N/A	2000	
Sb	121	115	He	0.200	ug/l	7.3	1000	
Ba	137	159	He	80.187	ug/l	2.6	20000	
Tl	205	209	He	0.040	ug/l	1.8	1000	
[Pb]	206	209	He	0.096	ug/l	42.2		
[Pb]	207	209	He	0.118	ug/l	15.5		
Pb	208	209	He	0.137	ug/l	13.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4716039.76	0.4	93.4	60	125	
Sc (ISICPMS)	45	No Gas	4878134.89	0.5	100.6	60	125	
Sc (ISICPMS)	45	H2	1303082.11	1.1	101.2	60	125	
Sc (ISICPMS)	45	He	46746.81	0.6	100.0	60	125	
Ge (IS)	74	H2	240013.49	1.0	103.8	60	125	
Ge (IS)	74	He	28401.93	2.9	104.0	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	60037.69	1.3	97.5	60	125	
Tb (IS)	159	He	338188.24	0.8	99.9	60	125	
Bi (IS)	209	He	252616.87	1.4	97.9	60	125	

DRAFT

Sample Report

File Name 072SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 14:18:41

Sample Name **460-306773-H-4-A**

Comment ---

Dilution **1.0000**

Vial # 2208

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.003	ug/l	N/A	2000	
B	11	6	No Gas	998.537	ug/l	1.0	2000	
Na	23	45	He	3342.967	ug/l	1.4	500000	
Mg	24	45	He	21713.484	ug/l	0.4	500000	
Al	27	45	He	-0.166	ug/l	N/A	500000	
K	39	45	He	25540.548	ug/l	0.7	500000	
Ca	40	45	H2	34177.530	ug/l	0.9	1000000	
Ti	47	45	No Gas	1.612	ug/l	9.9	10000	
V	51	45	He	0.062	ug/l	74.0	5000	
Cr	52	45	He	-1.023	ug/l	N/A	20000	
Mn	55	45	He	16.370	ug/l	2.3	20000	
Fe	56	45	H2	-13.109	ug/l	N/A	500000	
Co	59	45	He	0.143	ug/l	30.5	2000	
Ni	60	45	He	-8.165	ug/l	N/A	20000	
Cu	63	45	He	1.872	ug/l	1.0	20000	
Zn	66	45	He	3.119	ug/l	18.1	20000	
As	75	74	He	0.113	ug/l	265.5	5000	
Se	78	74	H2	1.564	ug/l	13.6	3000	
Sr	88	115	He	166.581	ug/l	1.3	5000	
Mo	95	115	He	0.816	ug/l	9.4	2000	
Ag	107	115	He	-0.002	ug/l	N/A	1000	
Cd	111	115	He	0.022	ug/l	86.6	5000	
Sn	118	115	He	-1.123	ug/l	N/A	2000	
Sb	121	115	He	0.083	ug/l	82.2	1000	
Ba	137	159	He	5.246	ug/l	7.6	20000	
Tl	205	209	He	0.151	ug/l	20.6	1000	
[Pb]	206	209	He	0.097	ug/l	38.0		
[Pb]	207	209	He	0.148	ug/l	8.0		
Pb	208	209	He	0.131	ug/l	10.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4696567.09	1.2	93.0	60	125	
Sc (ISICPMS)	45	No Gas	4851389.40	0.5	100.0	60	125	
Sc (ISICPMS)	45	H2	1293891.65	0.3	100.5	60	125	
Sc (ISICPMS)	45	He	46649.87	1.3	99.8	60	125	
Ge (IS)	74	H2	231072.15	0.2	99.9	60	125	
Ge (IS)	74	He	28712.78	3.6	105.1	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	61375.70	1.1	99.7	60	125	
Tb (IS)	159	He	340606.02	0.3	100.6	60	125	
Bi (IS)	209	He	258469.18	0.9	100.2	60	125	

DRAFT

Sample Report

File Name 073SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 14:21:11

Sample Name **460-306773-H-5-A**

Comment ---

Dilution **1.0000**

Vial # 2209

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.008	ug/l	17.1	2000	
B	11	6	No Gas	834.478	ug/l	0.8	2000	
Na	23	45	He	3097.112	ug/l	2.9	500000	
Mg	24	45	He	11485.426	ug/l	1.8	500000	
Al	27	45	He	-0.920	ug/l	N/A	500000	
K	39	45	He	18683.019	ug/l	2.0	500000	
Ca	40	45	H2	57646.337	ug/l	0.5	1000000	
Ti	47	45	No Gas	3.581	ug/l	4.4	10000	
V	51	45	He	0.012	ug/l	638.4	5000	
Cr	52	45	He	-0.823	ug/l	N/A	20000	
Mn	55	45	He	87.884	ug/l	4.7	20000	
Fe	56	45	H2	548.592	ug/l	0.5	500000	
Co	59	45	He	0.439	ug/l	5.9	2000	
Ni	60	45	He	-7.437	ug/l	N/A	20000	
Cu	63	45	He	0.236	ug/l	62.8	20000	
Zn	66	45	He	1.024	ug/l	32.4	20000	
As	75	74	He	1.286	ug/l	19.0	5000	
Se	78	74	H2	0.351	ug/l	18.1	3000	
Sr	88	115	He	341.389	ug/l	1.0	5000	
Mo	95	115	He	1.005	ug/l	8.9	2000	
Ag	107	115	He	0.002	ug/l	517.1	1000	
Cd	111	115	He	0.011	ug/l	173.2	5000	
Sn	118	115	He	-0.931	ug/l	N/A	2000	
Sb	121	115	He	0.097	ug/l	18.8	1000	
Ba	137	159	He	21.533	ug/l	4.0	20000	
Tl	205	209	He	0.407	ug/l	6.0	1000	
[Pb]	206	209	He	0.067	ug/l	18.3		
[Pb]	207	209	He	0.142	ug/l	20.6		
Pb	208	209	He	0.109	ug/l	5.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4693701.73	0.5	93.0	60	125	
Sc (ISICPMS)	45	No Gas	4812100.90	0.4	99.2	60	125	
Sc (ISICPMS)	45	H2	1298763.74	0.5	100.9	60	125	
Sc (ISICPMS)	45	He	46813.63	2.0	100.1	60	125	
Ge (IS)	74	H2	233730.76	0.7	101.1	60	125	
Ge (IS)	74	He	28244.67	3.1	103.4	60	125	
Kr	83	He	6.67	86.6				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	62416.70	0.6	101.4	60	125	
Tb (IS)	159	He	337594.37	0.5	99.7	60	125	
Bi (IS)	209	He	257267.79	0.5	99.7	60	125	

DRAFT

Sample Report

File Name 074SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 14:23:41

Sample Name **460-306773-H-6-A**

Comment ---

Dilution **1.0000**

Vial # 2210

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.010	ug/l	49.0	2000	
B	11	6	No Gas	62.519	ug/l	0.6	2000	
Na	23	45	He	825.596	ug/l	0.6	500000	
Mg	24	45	He	10501.449	ug/l	0.2	500000	
Al	27	45	He	11.050	ug/l	15.5	500000	
K	39	45	He	1731.417	ug/l	1.2	500000	
Ca	40	45	H2	30443.484	ug/l	1.7	1000000	
Ti	47	45	No Gas	1.247	ug/l	6.0	10000	
V	51	45	He	0.377	ug/l	25.6	5000	
Cr	52	45	He	-0.150	ug/l	N/A	20000	
Mn	55	45	He	96.001	ug/l	2.4	20000	
Fe	56	45	H2	4769.819	ug/l	0.9	500000	
Co	59	45	He	0.054	ug/l	37.5	2000	
Ni	60	45	He	-9.041	ug/l	N/A	20000	
Cu	63	45	He	0.079	ug/l	66.1	20000	
Zn	66	45	He	0.641	ug/l	104.1	20000	
As	75	74	He	1.620	ug/l	9.6	5000	
Se	78	74	H2	0.548	ug/l	14.5	3000	
Sr	88	115	He	104.295	ug/l	1.6	5000	
Mo	95	115	He	0.751	ug/l	12.6	2000	
Ag	107	115	He	0.003	ug/l	113.1	1000	
Cd	111	115	He	0.011	ug/l	173.2	5000	
Sn	118	115	He	-1.103	ug/l	N/A	2000	
Sb	121	115	He	0.061	ug/l	70.0	1000	
Ba	137	159	He	9.463	ug/l	6.1	20000	
Tl	205	209	He	-0.045	ug/l	N/A	1000	
[Pb]	206	209	He	0.058	ug/l	53.6		
[Pb]	207	209	He	0.076	ug/l	95.0		
Pb	208	209	He	0.094	ug/l	23.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4677722.15	1.7	92.7	60	125	
Sc (ISICPMS)	45	No Gas	4844007.77	1.5	99.9	60	125	
Sc (ISICPMS)	45	H2	1280232.55	0.8	99.5	60	125	
Sc (ISICPMS)	45	He	46861.65	0.7	100.2	60	125	
Ge (IS)	74	H2	232307.44	0.3	100.5	60	125	
Ge (IS)	74	He	28619.22	1.5	104.7	60	125	
Kr	83	He	3.34	173.2				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	61255.21	1.2	99.5	60	125	
Tb (IS)	159	He	338049.22	0.8	99.8	60	125	
Bi (IS)	209	He	258117.59	0.3	100.0	60	125	

DRAFT

Sample Report

File Name 075SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 14:26:12

Sample Name **460-306773-H-7-A**

Comment ---

Dilution **1.0000**

Vial # 2211

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.003	ug/l	160.2	2000	
B	11	6	No Gas	292.351	ug/l	1.5	2000	
Na	23	45	He	2231.128	ug/l	2.0	500000	
Mg	24	45	He	7945.115	ug/l	2.1	500000	
Al	27	45	He	2.889	ug/l	81.6	500000	
K	39	45	He	6789.142	ug/l	1.6	500000	
Ca	40	45	H2	75844.759	ug/l	1.4	1000000	
Ti	47	45	No Gas	2.914	ug/l	3.6	10000	
V	51	45	He	-0.138	ug/l	N/A	5000	
Cr	52	45	He	-0.766	ug/l	N/A	20000	
Mn	55	45	He	59.019	ug/l	4.9	20000	
Fe	56	45	H2	12456.780	ug/l	2.3	500000	
Co	59	45	He	0.102	ug/l	46.1	2000	
Ni	60	45	He	-8.354	ug/l	N/A	20000	
Cu	63	45	He	0.054	ug/l	309.0	20000	
Zn	66	45	He	1.353	ug/l	37.7	20000	
As	75	74	He	5.227	ug/l	9.5	5000	
Se	78	74	H2	0.286	ug/l	28.6	3000	
Sr	88	115	He	262.554	ug/l	1.0	5000	
Mo	95	115	He	3.284	ug/l	8.7	2000	
Ag	107	115	He	-0.006	ug/l	N/A	1000	
Cd	111	115	He	0.011	ug/l	173.2	5000	
Sn	118	115	He	-0.980	ug/l	N/A	2000	
Sb	121	115	He	0.023	ug/l	109.4	1000	
Ba	137	159	He	21.223	ug/l	1.6	20000	
Tl	205	209	He	-0.050	ug/l	N/A	1000	
[Pb]	206	209	He	0.039	ug/l	28.5		
[Pb]	207	209	He	0.113	ug/l	24.0		
Pb	208	209	He	0.085	ug/l	16.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4713133.85	1.2	93.4	60	125	
Sc (ISICPMS)	45	No Gas	4828542.81	2.2	99.6	60	125	
Sc (ISICPMS)	45	H2	1271796.53	1.0	98.8	60	125	
Sc (ISICPMS)	45	He	46152.51	1.9	98.7	60	125	
Ge (IS)	74	H2	230165.14	1.0	99.5	60	125	
Ge (IS)	74	He	27673.09	1.9	101.3	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	60823.09	1.0	98.8	60	125	
Tb (IS)	159	He	332631.16	0.4	98.2	60	125	
Bi (IS)	209	He	256588.73	0.7	99.4	60	125	

DRAFT

Sample Report

File Name 076SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 14:28:42

Sample Name **460-306773-H-8-A**

Comment ---

Dilution **1.0000**

Vial # 2212

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.012	ug/l	49.3	2000	
B	11	6	No Gas	190.045	ug/l	1.8	2000	
Na	23	45	He	2177.453	ug/l	1.6	500000	
Mg	24	45	He	9084.755	ug/l	1.3	500000	
Al	27	45	He	1.572	ug/l	311.5	500000	
K	39	45	He	5336.616	ug/l	1.2	500000	
Ca	40	45	H2	98623.197	ug/l	0.9	1000000	
Ti	47	45	No Gas	5.217	ug/l	7.9	10000	
V	51	45	He	-0.118	ug/l	N/A	5000	
Cr	52	45	He	-0.797	ug/l	N/A	20000	
Mn	55	45	He	127.172	ug/l	1.6	20000	
Fe	56	45	H2	6626.937	ug/l	0.8	500000	
Co	59	45	He	0.094	ug/l	23.1	2000	
Ni	60	45	He	-8.716	ug/l	N/A	20000	
Cu	63	45	He	0.085	ug/l	76.9	20000	
Zn	66	45	He	1.228	ug/l	16.1	20000	
As	75	74	He	3.228	ug/l	13.7	5000	
Se	78	74	H2	0.919	ug/l	17.0	3000	
Sr	88	115	He	367.435	ug/l	1.4	5000	
Mo	95	115	He	1.114	ug/l	9.6	2000	
Ag	107	115	He	-0.001	ug/l	N/A	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	-1.354	ug/l	N/A	2000	
Sb	121	115	He	0.067	ug/l	14.6	1000	
Ba	137	159	He	17.205	ug/l	4.6	20000	
Tl	205	209	He	-0.048	ug/l	N/A	1000	
[Pb]	206	209	He	0.076	ug/l	30.9		
[Pb]	207	209	He	0.131	ug/l	36.0		
Pb	208	209	He	0.106	ug/l	13.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4762589.44	1.4	94.3	60	125	
Sc (ISICPMS)	45	No Gas	4840188.61	0.4	99.8	60	125	
Sc (ISICPMS)	45	H2	1287716.33	0.3	100.0	60	125	
Sc (ISICPMS)	45	He	46917.34	1.4	100.3	60	125	
Ge (IS)	74	H2	236324.19	0.3	102.2	60	125	
Ge (IS)	74	He	28468.92	2.4	104.2	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	61249.13	0.8	99.5	60	125	
Tb (IS)	159	He	334150.81	0.4	98.7	60	125	
Bi (IS)	209	He	254637.96	0.4	98.7	60	125	

DRAFT

Sample Report

File Name 077SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 14:31:12

Sample Name **460-306788-H-3-A**

Comment ---

Dilution **1.0000**

Vial # 2301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.007	ug/l	72.8	2000	
B	11	6	No Gas	719.346	ug/l	2.0	2000	
Na	23	45	He	2448.864	ug/l	0.4	500000	
Mg	24	45	He	7363.086	ug/l	1.1	500000	
Al	27	45	He	-2.302	ug/l	N/A	500000	
K	39	45	He	41003.386	ug/l	1.6	500000	
Ca	40	45	H2	3832.895	ug/l	1.3	1000000	
Ti	47	45	No Gas	-0.062	ug/l	N/A	10000	
V	51	45	He	-0.081	ug/l	N/A	5000	
Cr	52	45	He	-0.813	ug/l	N/A	20000	
Mn	55	45	He	74.785	ug/l	1.9	20000	
Fe	56	45	H2	-12.697	ug/l	N/A	500000	
Co	59	45	He	0.102	ug/l	16.9	2000	
Ni	60	45	He	-8.628	ug/l	N/A	20000	
Cu	63	45	He	1.031	ug/l	12.5	20000	
Zn	66	45	He	1.627	ug/l	9.1	20000	
As	75	74	He	0.030	ug/l	795.8	5000	
Se	78	74	H2	0.417	ug/l	31.6	3000	
Sr	88	115	He	34.931	ug/l	1.2	5000	
Mo	95	115	He	0.264	ug/l	32.9	2000	
Ag	107	115	He	-0.004	ug/l	N/A	1000	
Cd	111	115	He	0.067	ug/l	49.9	5000	
Sn	118	115	He	-1.233	ug/l	N/A	2000	
Sb	121	115	He	0.056	ug/l	140.7	1000	
Ba	137	159	He	150.154	ug/l	1.3	20000	
Tl	205	209	He	0.997	ug/l	4.2	1000	
[Pb]	206	209	He	0.043	ug/l	62.8		
[Pb]	207	209	He	0.112	ug/l	39.7		
Pb	208	209	He	0.080	ug/l	53.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4769084.68	0.9	94.5	60	125	
Sc (ISICPMS)	45	No Gas	4845755.24	2.7	99.9	60	125	
Sc (ISICPMS)	45	H2	1274168.51	1.9	99.0	60	125	
Sc (ISICPMS)	45	He	46217.22	0.7	98.8	60	125	
Ge (IS)	74	H2	235142.09	1.6	101.7	60	125	
Ge (IS)	74	He	28064.06	2.0	102.7	60	125	
Kr	83	He	3.34	173.2				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	61165.12	0.4	99.4	60	125	
Tb (IS)	159	He	333321.46	0.2	98.4	60	125	
Bi (IS)	209	He	256153.05	0.5	99.3	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 078_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 14:33:42

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	101.579	ug/l	0.8	100	90	110	
B	11	6	No Gas	260.421	ug/l	0.6	250	225	275	
Na	23	45	He	25320.312	ug/l	2.2	25000	22500	27500	
Mg	24	45	He	25071.521	ug/l	2.5	25000	22500	27500	
Al	27	45	He	24468.365	ug/l	1.6	25000	22500	27500	
K	39	45	He	25015.455	ug/l	2.9	25000	22500	27500	
Ca	40	45	H2	24689.432	ug/l	2.1	25000	22500	27500	
Ti	47	45	No Gas	97.000	ug/l	1.6	100	90	110	
V	51	45	He	99.679	ug/l	3.3	100	90	110	
Cr	52	45	He	99.860	ug/l	2.7	100	90	110	
Mn	55	45	He	99.431	ug/l	2.9	100	90	110	
Fe	56	45	H2	25091.644	ug/l	1.9	25000	22500	27500	
Co	59	45	He	99.922	ug/l	2.9	100	90	110	
Ni	60	45	He	90.025	ug/l	2.1	100	90	110	
Cu	63	45	He	100.008	ug/l	2.2	100	90	110	
Zn	66	45	He	247.648	ug/l	0.5	250	225	275	
As	75	74	He	98.315	ug/l	2.6	100	90	110	
Se	78	74	H2	97.428	ug/l	4.2	100	90	110	
Sr	88	115	He	98.120	ug/l	3.4	100	90	110	
Mo	95	115	He	99.099	ug/l	2.0	100	90	110	
Ag	107	115	He	49.201	ug/l	0.9	50	45	55	
Cd	111	115	He	100.292	ug/l	1.0	100	90	110	
Sn	118	115	He	101.808	ug/l	0.7	100	90	110	
Sb	121	115	He	100.147	ug/l	0.9	100	90	110	
Ba	137	159	He	102.317	ug/l	1.6	100	90	110	
Tl	205	209	He	99.024	ug/l	0.9	100	90	110	
[Pb]	206	209	He	99.175	ug/l	0.7				
[Pb]	207	209	He	99.805	ug/l	0.7				
Pb	208	209	He	99.410	ug/l	1.0	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	4605452.29	0.4	91.2	60	125	
Sc (ISICPMS)	45	No Gas	4778589.65	0.9	98.5	60	125	
Sc (ISICPMS)	45	H2	1260990.72	0.4	98.0	60	125	
Sc (ISICPMS)	45	He	46646.53	1.7	99.7	60	125	
Ge (IS)	74	H2	233093.47	0.1	100.8	60	125	

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	28806.54	3.4	105.4	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	61005.56	0.3	99.1	60	125	
Tb (IS)	159	He	335944.74	1.5	99.2	60	125	
Bi (IS)	209	He	252548.19	1.6	97.9	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 079_Blk.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 14:36:13

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.015	ug/l	25.0	0.8	-0.8	0.8	
B	11	6	No Gas	8.232	ug/l	4.3	40	-40	40	
Na	23	45	He	10.175	ug/l	59.8	500	-500	500	
Mg	24	45	He	1.605	ug/l	73.1	200	-200	200	
Al	27	45	He	1.279	ug/l	213.1	40	-40	40	
K	39	45	He	16.393	ug/l	52.1	200	-200	200	
Ca	40	45	H2	9.626	ug/l	6.4	500	-500	500	
Ti	47	45	No Gas	-0.333	ug/l	N/A	4	-4	4	
V	51	45	He	0.192	ug/l	23.5	4	-4	4	
Cr	52	45	He	0.041	ug/l	288.6	4	-4	4	
Mn	55	45	He	-0.315	ug/l	N/A	8	-8	8	
Fe	56	45	H2	-7.036	ug/l	N/A	60	-60	60	
Co	59	45	He	0.020	ug/l	237.3	4	-4	4	
Ni	60	45	He	-8.111	ug/l	N/A	4	-4	4	> water RL
Cu	63	45	He	0.071	ug/l	109.3	4	-4	4	
Zn	66	45	He	0.617	ug/l	62.6	16	-16	16	
As	75	74	He	0.031	ug/l	380.8	2	-2	2	
Se	78	74	H2	0.178	ug/l	75.0	2.5	-2.5	2.5	
Sr	88	115	He	0.127	ug/l	58.0	4	-4	4	
Mo	95	115	He	0.013	ug/l	154.0	4	-4	4	
Ag	107	115	He	0.003	ug/l	153.5	2	-2	2	
Cd	111	115	He	0.022	ug/l	86.6	2	-2	2	
Sn	118	115	He	-0.118	ug/l	N/A	16	-16	16	
Sb	121	115	He	0.088	ug/l	47.3	2	-2	2	
Ba	137	159	He	-0.004	ug/l	N/A	4	-4	4	
Tl	205	209	He	-0.011	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.109	ug/l	49.1				
[Pb]	207	209	He	0.105	ug/l	20.0				
Pb	208	209	He	0.129	ug/l	5.6	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	4622857.26	0.2	91.6	60	125	
Sc (ISICPMS)	45	No Gas	4822462.50	1.3	99.4	60	125	
Sc (ISICPMS)	45	H2	1274062.05	0.8	99.0	60	125	
Sc (ISICPMS)	45	He	46732.19	0.5	99.9	60	125	
Ge (IS)	74	H2	231036.57	0.6	99.9	60	125	
Ge (IS)	74	He	27692.97	2.9	101.4	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	61564.08	0.5	100.0	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	338272.67	0.4	99.9	60	125	
Bi (IS)	209	He	255880.14	1.2	99.2	60	125	

DRAFT

Sample Report

File Name 080SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 14:38:43

Sample Name **MB 460-983997/1-A**

Comment ---

Dilution **1.0000**

Vial # 3101

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.017	ug/l	40.3	2000	
B	11	6	No Gas	4.903	ug/l	2.7	2000	
Na	23	45	He	10.214	ug/l	90.2	500000	
Mg	24	45	He	-0.147	ug/l	N/A	500000	
Al	27	45	He	4.480	ug/l	12.9	500000	
K	39	45	He	28.269	ug/l	29.7	500000	
Ca	40	45	H2	10.442	ug/l	9.1	1000000	
Ti	47	45	No Gas	-0.375	ug/l	N/A	10000	
V	51	45	He	-0.034	ug/l	N/A	5000	
Cr	52	45	He	-0.240	ug/l	N/A	20000	
Mn	55	45	He	-0.468	ug/l	N/A	20000	
Fe	56	45	H2	-7.048	ug/l	N/A	500000	
Co	59	45	He	-0.014	ug/l	N/A	2000	
Ni	60	45	He	-7.871	ug/l	N/A	20000	
Cu	63	45	He	0.011	ug/l	778.6	20000	
Zn	66	45	He	0.372	ug/l	220.1	20000	
As	75	74	He	0.031	ug/l	501.5	5000	
Se	78	74	H2	-0.052	ug/l	N/A	3000	
Sr	88	115	He	0.114	ug/l	106.7	5000	
Mo	95	115	He	0.032	ug/l	22.3	2000	
Ag	107	115	He	0.000	ug/l	1999.4	1000	
Cd	111	115	He	0.011	ug/l	173.2	5000	
Sn	118	115	He	0.009	ug/l	2619.2	2000	
Sb	121	115	He	0.052	ug/l	19.7	1000	
Ba	137	159	He	0.135	ug/l	91.1	20000	
Tl	205	209	He	-0.046	ug/l	N/A	1000	
[Pb]	206	209	He	0.124	ug/l	38.7		
[Pb]	207	209	He	0.089	ug/l	18.4		
Pb	208	209	He	0.115	ug/l	31.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4606060.63	1.1	91.2	60	125	
Sc (ISICPMS)	45	No Gas	4761160.66	1.2	98.2	60	125	
Sc (ISICPMS)	45	H2	1256274.53	1.2	97.6	60	125	
Sc (ISICPMS)	45	He	46318.74	1.6	99.0	60	125	
Ge (IS)	74	H2	227552.55	0.7	98.4	60	125	
Ge (IS)	74	He	27676.24	1.1	101.3	60	125	
Kr	83	He	3.34	173.2				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	60149.57	1.4	97.7	60	125	
Tb (IS)	159	He	332321.72	0.9	98.1	60	125	
Bi (IS)	209	He	254637.99	1.0	98.7	60	125	

DRAFT

Sample Report

File Name 081SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 14:41:14

Sample Name **MB 460-984048/1-B**

Comment ---

Dilution **1.0000**

Vial # 2401

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.008	ug/l	15.4	2000	
B	11	6	No Gas	3.793	ug/l	2.3	2000	
Na	23	45	He	13.273	ug/l	36.9	500000	
Mg	24	45	He	2.234	ug/l	17.7	500000	
Al	27	45	He	2.711	ug/l	72.6	500000	
K	39	45	He	24.258	ug/l	31.1	500000	
Ca	40	45	H2	11.180	ug/l	6.2	1000000	
Ti	47	45	No Gas	-0.059	ug/l	N/A	10000	
V	51	45	He	0.010	ug/l	1073.8	5000	
Cr	52	45	He	0.789	ug/l	24.1	20000	
Mn	55	45	He	-0.190	ug/l	N/A	20000	
Fe	56	45	H2	-4.367	ug/l	N/A	500000	
Co	59	45	He	-0.002	ug/l	N/A	2000	
Ni	60	45	He	-7.204	ug/l	N/A	20000	
Cu	63	45	He	0.409	ug/l	24.3	20000	
Zn	66	45	He	3.056	ug/l	14.3	20000	
As	75	74	He	-0.033	ug/l	N/A	5000	
Se	78	74	H2	0.039	ug/l	82.3	3000	
Sr	88	115	He	0.146	ug/l	96.2	5000	
Mo	95	115	He	0.046	ug/l	167.0	2000	
Ag	107	115	He	0.005	ug/l	336.8	1000	
Cd	111	115	He	0.011	ug/l	173.2	5000	
Sn	118	115	He	0.319	ug/l	77.4	2000	
Sb	121	115	He	0.059	ug/l	121.5	1000	
Ba	137	159	He	-0.077	ug/l	N/A	20000	
Tl	205	209	He	-0.032	ug/l	N/A	1000	
[Pb]	206	209	He	0.119	ug/l	27.0		
[Pb]	207	209	He	0.171	ug/l	20.5		
Pb	208	209	He	0.149	ug/l	8.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4669031.49	0.9	92.5	60	125	
Sc (ISICPMS)	45	No Gas	4722531.11	0.8	97.4	60	125	
Sc (ISICPMS)	45	H2	1250443.50	1.2	97.2	60	125	
Sc (ISICPMS)	45	He	45139.31	1.3	96.5	60	125	
Ge (IS)	74	H2	226167.37	1.2	97.8	60	125	
Ge (IS)	74	He	27224.87	2.0	99.6	60	125	
Kr	83	He	3.34	173.2				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	59539.64	1.4	96.7	60	125	
Tb (IS)	159	He	331771.93	0.5	98.0	60	125	
Bi (IS)	209	He	252442.36	0.3	97.8	60	125	

DRAFT

Sample Report

File Name 082SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 14:43:45

Sample Name **LCSSRM 460-983997/2-A@3**

Comment ---

Dilution **1.0000**

Vial # 3102

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	562.130	ug/l	2.4	2000	
B	11	6	No Gas	786.504	ug/l	1.5	2000	
Na	23	45	He	1657.883	ug/l	0.8	500000	
Mg	24	45	He	5433.426	ug/l	0.5	500000	
Al	27	45	He	19188.471	ug/l	1.2	500000	
K	39	45	He	4078.208	ug/l	1.0	500000	
Ca	40	45	H2	16952.685	ug/l	1.0	1000000	
Ti	47	45	No Gas	995.599	ug/l	2.0	10000	
V	51	45	He	352.227	ug/l	0.3	5000	
Cr	52	45	He	608.061	ug/l	0.7	20000	
Mn	55	45	He	1762.126	ug/l	0.2	20000	
Fe	56	45	H2	20991.191	ug/l	1.7	500000	
Co	59	45	He	275.516	ug/l	0.2	2000	
Ni	60	45	He	1048.958	ug/l	0.5	20000	
Cu	63	45	He	695.951	ug/l	0.5	20000	
Zn	66	45	He	542.058	ug/l	1.3	20000	
As	75	74	He	1048.700	ug/l	1.4	5000	
Se	78	74	H2	560.478	ug/l	0.8	3000	
Sr	88	115	He	441.514	ug/l	1.4	5000	
Mo	95	115	He	465.343	ug/l	1.7	2000	
Ag	107	115	He	277.484	ug/l	1.1	1000	
Cd	111	115	He	715.494	ug/l	0.9	5000	
Sn	118	115	He	263.792	ug/l	0.6	2000	
Sb	121	115	He	261.389	ug/l	1.6	1000	
Ba	137	159	He	1005.476	ug/l	0.5	20000	
Tl	205	209	He	771.460	ug/l	1.1	1000	
[Pb]	206	209	He	327.776	ug/l	1.6		
[Pb]	207	209	He	308.269	ug/l	0.7		
Pb	208	209	He	316.869	ug/l	1.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4748552.95	1.6	94.1	60	125	
Sc (ISICPMS)	45	No Gas	4703107.05	1.8	97.0	60	125	
Sc (ISICPMS)	45	H2	1243265.17	0.3	96.6	60	125	
Sc (ISICPMS)	45	He	45785.79	0.5	97.9	60	125	
Ge (IS)	74	H2	234282.87	0.7	101.3	60	125	
Ge (IS)	74	He	28087.44	0.5	102.8	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	59057.02	1.1	95.9	60	125	
Tb (IS)	159	He	332436.52	0.3	98.2	60	125	
Bi (IS)	209	He	253301.33	1.3	98.2	60	125	

DRAFT

Sample Report

File Name 083SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 14:46:16

Sample Name **pds 460-306985-F-6-B**

Comment ---

Dilution **1.0000**

Vial # 3103

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	25.955	ug/l	2.5	2000	
B	11	6	No Gas	512.509	ug/l	1.8	2000	
Na	23	45	He	2812.499	ug/l	1.6	500000	
Mg	24	45	He	11561.939	ug/l	1.9	500000	
Al	27	45	He	29757.349	ug/l	1.3	500000	
K	39	45	He	4893.891	ug/l	1.9	500000	
Ca	40	45	H2	5342.932	ug/l	1.2	1000000	
Ti	47	45	No Gas	971.301	ug/l	2.5	10000	
V	51	45	He	106.732	ug/l	1.1	5000	
Cr	52	45	He	83.363	ug/l	0.8	20000	
Mn	55	45	He	737.659	ug/l	1.4	20000	
Fe	56	45	H2	51592.077	ug/l	1.0	500000	
Co	59	45	He	47.800	ug/l	0.5	2000	
Ni	60	45	He	79.398	ug/l	0.9	20000	
Cu	63	45	He	91.136	ug/l	2.1	20000	
Zn	66	45	He	407.769	ug/l	2.6	20000	
As	75	74	He	57.245	ug/l	6.9	5000	
Se	78	74	H2	48.131	ug/l	2.6	3000	
Sr	88	115	He	65.254	ug/l	2.9	5000	
Mo	95	115	He	48.796	ug/l	2.0	2000	
Ag	107	115	He	22.030	ug/l	3.7	1000	
Cd	111	115	He	24.714	ug/l	2.8	5000	
Sn	118	115	He	59.205	ug/l	1.1	2000	
Sb	121	115	He	26.563	ug/l	4.2	1000	
Ba	137	159	He	119.338	ug/l	1.4	20000	
Tl	205	209	He	19.424	ug/l	1.6	1000	
[Pb]	206	209	He	38.074	ug/l	1.3		
[Pb]	207	209	He	36.815	ug/l	2.1		
Pb	208	209	He	37.522	ug/l	1.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4527113.89	1.2	89.7	60	125	
Sc (ISICPMS)	45	No Gas	4780071.25	1.0	98.6	60	125	
Sc (ISICPMS)	45	H2	1262912.66	0.3	98.1	60	125	
Sc (ISICPMS)	45	He	46931.93	0.7	100.4	60	125	
Ge (IS)	74	H2	236396.02	1.4	102.2	60	125	
Ge (IS)	74	He	28525.60	2.0	104.4	60	125	
Kr	83	He	16.68	91.7				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	60719.50	1.1	98.6	60	125	
Tb (IS)	159	He	339945.55	0.5	100.4	60	125	
Bi (IS)	209	He	253027.23	0.8	98.1	60	125	

DRAFT

Sample Report

File Name 084SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 14:48:47

Sample Name **460-306985-F-6-D MS**

Comment ---

Dilution **1.0000**

Vial # 3104

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	46.547	ug/l	1.8	2000	
B	11	6	No Gas	906.197	ug/l	0.8	2000	
Na	23	45	He	4856.307	ug/l	1.5	500000	
Mg	24	45	He	15052.696	ug/l	0.2	500000	
Al	27	45	He	37158.335	ug/l	0.3	500000	
K	39	45	He	6955.953	ug/l	1.5	500000	
Ca	40	45	H2	8821.732	ug/l	0.8	1000000	
Ti	47	45	No Gas	1311.578	ug/l	1.2	10000	
V	51	45	He	164.659	ug/l	1.7	5000	
Cr	52	45	He	133.174	ug/l	1.3	20000	
Mn	55	45	He	1062.489	ug/l	1.9	20000	
Fe	56	45	H2	65574.091	ug/l	0.2	500000	
Co	59	45	He	72.970	ug/l	1.3	2000	
Ni	60	45	He	126.649	ug/l	1.1	20000	
Cu	63	45	He	137.337	ug/l	0.9	20000	
Zn	66	45	He	638.105	ug/l	2.5	20000	
As	75	74	He	95.001	ug/l	1.2	5000	
Se	78	74	H2	83.160	ug/l	3.3	3000	
Sr	88	115	He	111.984	ug/l	1.4	5000	
Mo	95	115	He	88.132	ug/l	2.5	2000	
Ag	107	115	He	43.350	ug/l	0.5	1000	
Cd	111	115	He	44.145	ug/l	1.8	5000	
Sn	118	115	He	98.098	ug/l	2.1	2000	
Sb	121	115	He	29.900	ug/l	2.3	1000	
Ba	137	159	He	165.475	ug/l	2.4	20000	
Tl	205	209	He	35.284	ug/l	1.0	1000	
[Pb]	206	209	He	61.030	ug/l	1.7		
[Pb]	207	209	He	57.925	ug/l	2.3		
Pb	208	209	He	59.579	ug/l	1.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4501142.74	0.4	89.2	60	125	
Sc (ISICPMS)	45	No Gas	4757894.62	1.1	98.1	60	125	
Sc (ISICPMS)	45	H2	1281059.59	0.3	99.5	60	125	
Sc (ISICPMS)	45	He	47144.93	1.5	100.8	60	125	
Ge (IS)	74	H2	239379.35	0.7	103.5	60	125	
Ge (IS)	74	He	29381.71	1.0	107.5	60	125	
Kr	83	He	10.01	100.0				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	60013.92	0.8	97.5	60	125	
Tb (IS)	159	He	340557.06	1.1	100.5	60	125	
Bi (IS)	209	He	255526.14	0.9	99.0	60	125	

DRAFT

Sample Report

File Name 085SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 14:51:18

Sample Name **460-306985-F-6-C DU**

Comment ---

Dilution **1.0000**

Vial # 3105

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	1.811	ug/l	3.7	2000	
B	11	6	No Gas	29.018	ug/l	1.8	2000	
Na	23	45	He	432.482	ug/l	1.7	500000	
Mg	24	45	He	10864.616	ug/l	0.5	500000	
Al	27	45	He	31698.249	ug/l	0.9	500000	
K	39	45	He	2653.351	ug/l	1.4	500000	
Ca	40	45	H2	4687.800	ug/l	0.2	1000000	
Ti	47	45	No Gas	1379.485	ug/l	0.2	10000	
V	51	45	He	84.710	ug/l	1.6	5000	
Cr	52	45	He	50.168	ug/l	0.7	20000	
Mn	55	45	He	694.235	ug/l	0.2	20000	
Fe	56	45	H2	64113.519	ug/l	0.2	500000	
Co	59	45	He	30.669	ug/l	1.0	2000	
Ni	60	45	He	41.016	ug/l	2.7	20000	
Cu	63	45	He	51.662	ug/l	0.4	20000	
Zn	66	45	He	228.316	ug/l	1.4	20000	
As	75	74	He	10.426	ug/l	21.0	5000	
Se	78	74	H2	0.475	ug/l	8.2	3000	
Sr	88	115	He	23.281	ug/l	5.4	5000	
Mo	95	115	He	1.240	ug/l	14.7	2000	
Ag	107	115	He	0.031	ug/l	14.9	1000	
Cd	111	115	He	0.360	ug/l	18.7	5000	
Sn	118	115	He	9.794	ug/l	4.9	2000	
Sb	121	115	He	0.934	ug/l	8.8	1000	
Ba	137	159	He	72.465	ug/l	1.5	20000	
Tl	205	209	He	0.158	ug/l	1.3	1000	
[Pb]	206	209	He	19.137	ug/l	3.3		
[Pb]	207	209	He	16.844	ug/l	1.2		
Pb	208	209	He	18.019	ug/l	1.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4505140.04	0.9	89.2	60	125	
Sc (ISICPMS)	45	No Gas	4818877.50	0.6	99.4	60	125	
Sc (ISICPMS)	45	H2	1293603.52	1.3	100.5	60	125	
Sc (ISICPMS)	45	He	47862.93	0.4	102.3	60	125	
Ge (IS)	74	H2	240300.06	1.6	103.9	60	125	
Ge (IS)	74	He	29023.90	1.5	106.2	60	125	
Kr	83	He	26.69	57.3				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	60903.67	1.7	98.9	60	125	
Tb (IS)	159	He	342710.80	0.8	101.2	60	125	
Bi (IS)	209	He	255395.37	0.8	99.0	60	125	

DRAFT

Sample Report

File Name 086SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 14:53:48

Sample Name **460-306985-F-6-B**

Comment ---

Dilution **1.0000**

Vial # 3106

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	1.385	ug/l	3.6	2000	
B	11	6	No Gas	20.841	ug/l	0.4	2000	
Na	23	45	He	370.919	ug/l	5.5	500000	
Mg	24	45	He	9145.381	ug/l	1.4	500000	
Al	27	45	He	27211.633	ug/l	2.6	500000	
K	39	45	He	2555.830	ug/l	4.1	500000	
Ca	40	45	H2	2986.408	ug/l	0.5	1000000	
Ti	47	45	No Gas	934.323	ug/l	0.6	10000	
V	51	45	He	58.036	ug/l	3.0	5000	
Cr	52	45	He	35.882	ug/l	2.7	20000	
Mn	55	45	He	503.864	ug/l	1.5	20000	
Fe	56	45	H2	49289.523	ug/l	1.2	500000	
Co	59	45	He	23.290	ug/l	1.5	2000	
Ni	60	45	He	32.706	ug/l	4.3	20000	
Cu	63	45	He	43.212	ug/l	3.2	20000	
Zn	66	45	He	186.914	ug/l	2.3	20000	
As	75	74	He	8.634	ug/l	10.6	5000	
Se	78	74	H2	0.462	ug/l	49.5	3000	
Sr	88	115	He	18.417	ug/l	4.4	5000	
Mo	95	115	He	0.841	ug/l	7.0	2000	
Ag	107	115	He	0.021	ug/l	52.4	1000	
Cd	111	115	He	0.234	ug/l	38.2	5000	
Sn	118	115	He	10.015	ug/l	6.7	2000	
Sb	121	115	He	0.705	ug/l	17.6	1000	
Ba	137	159	He	72.773	ug/l	4.0	20000	
Tl	205	209	He	0.113	ug/l	25.9	1000	
[Pb]	206	209	He	14.039	ug/l	2.4		
[Pb]	207	209	He	13.008	ug/l	1.6		
Pb	208	209	He	13.541	ug/l	0.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4526628.02	1.6	89.7	60	125	
Sc (ISICPMS)	45	No Gas	4793186.21	0.5	98.8	60	125	
Sc (ISICPMS)	45	H2	1280330.00	0.5	99.5	60	125	
Sc (ISICPMS)	45	He	47920.83	1.8	102.5	60	125	
Ge (IS)	74	H2	238990.00	0.9	103.4	60	125	
Ge (IS)	74	He	29742.61	1.1	108.9	60	125	
Kr	83	He	13.35	86.6				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	61657.17	0.8	100.2	60	125	
Tb (IS)	159	He	342157.90	0.5	101.0	60	125	
Bi (IS)	209	He	255582.23	0.6	99.1	60	125	

DRAFT

Sample Report

File Name 087SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 14:56:19

Sample Name **sd 460-306985-F-6-B@5**

Comment ---

Dilution **1.0000**

Vial # 3107

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.296	ug/l	2.6	2000	
B	11	6	No Gas	7.756	ug/l	2.5	2000	
Na	23	45	He	87.479	ug/l	7.9	500000	
Mg	24	45	He	1877.091	ug/l	3.1	500000	
Al	27	45	He	5637.930	ug/l	0.9	500000	
K	39	45	He	554.153	ug/l	4.3	500000	
Ca	40	45	H2	616.741	ug/l	1.2	1000000	
Ti	47	45	No Gas	189.702	ug/l	1.9	10000	
V	51	45	He	11.757	ug/l	3.0	5000	
Cr	52	45	He	7.215	ug/l	1.3	20000	
Mn	55	45	He	103.642	ug/l	1.8	20000	
Fe	56	45	H2	10112.414	ug/l	0.7	500000	
Co	59	45	He	4.877	ug/l	2.4	2000	
Ni	60	45	He	0.131	ug/l	971.9	20000	
Cu	63	45	He	8.788	ug/l	2.9	20000	
Zn	66	45	He	38.510	ug/l	0.9	20000	
As	75	74	He	1.735	ug/l	9.5	5000	
Se	78	74	H2	0.103	ug/l	51.8	3000	
Sr	88	115	He	4.141	ug/l	20.9	5000	
Mo	95	115	He	0.178	ug/l	26.8	2000	
Ag	107	115	He	0.004	ug/l	125.7	1000	
Cd	111	115	He	0.045	ug/l	43.5	5000	
Sn	118	115	He	2.109	ug/l	20.6	2000	
Sb	121	115	He	0.275	ug/l	17.7	1000	
Ba	137	159	He	14.243	ug/l	1.9	20000	
Tl	205	209	He	0.001	ug/l	762.5	1000	
[Pb]	206	209	He	2.810	ug/l	1.4		
[Pb]	207	209	He	2.717	ug/l	7.7		
Pb	208	209	He	2.792	ug/l	0.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4511139.83	1.2	89.4	60	125	
Sc (ISICPMS)	45	No Gas	4791069.03	0.6	98.8	60	125	
Sc (ISICPMS)	45	H2	1286196.67	0.5	99.9	60	125	
Sc (ISICPMS)	45	He	47003.33	1.2	100.5	60	125	
Ge (IS)	74	H2	234946.86	0.7	101.6	60	125	
Ge (IS)	74	He	28816.40	2.2	105.5	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	60839.74	0.1	98.8	60	125	
Tb (IS)	159	He	338538.00	0.3	100.0	60	125	
Bi (IS)	209	He	257595.99	1.0	99.8	60	125	

DRAFT

Sample Report

File Name 088SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 14:58:50

Sample Name **460-306985-F-1-B**

Comment ---

Dilution **1.0000**

Vial # 3108

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	2.261	ug/l	1.9	2000	
B	11	6	No Gas	28.174	ug/l	3.6	2000	
Na	23	45	He	627.040	ug/l	4.8	500000	
Mg	24	45	He	12354.507	ug/l	2.3	500000	
Al	27	45	He	49730.419	ug/l	1.3	500000	
K	39	45	He	3892.883	ug/l	0.9	500000	
Ca	40	45	H2	5128.887	ug/l	1.4	1000000	
Ti	47	45	No Gas	1648.990	ug/l	1.1	10000	
V	51	45	He	106.098	ug/l	1.5	5000	
Cr	52	45	He	64.345	ug/l	2.0	20000	
Mn	55	45	He	466.412	ug/l	1.6	20000	
Fe	56	45	H2	62600.085	ug/l	0.5	500000	
Co	59	45	He	28.739	ug/l	0.5	2000	
Ni	60	45	He	46.732	ug/l	1.3	20000	
Cu	63	45	He	52.858	ug/l	2.8	20000	
Zn	66	45	He	151.071	ug/l	2.1	20000	
As	75	74	He	9.868	ug/l	9.8	5000	
Se	78	74	H2	0.369	ug/l	58.5	3000	
Sr	88	115	He	37.347	ug/l	4.3	5000	
Mo	95	115	He	3.788	ug/l	4.5	2000	
Ag	107	115	He	0.087	ug/l	15.0	1000	
Cd	111	115	He	0.313	ug/l	32.4	5000	
Sn	118	115	He	11.093	ug/l	3.4	2000	
Sb	121	115	He	0.488	ug/l	13.3	1000	
Ba	137	159	He	116.182	ug/l	1.5	20000	
Tl	205	209	He	0.237	ug/l	4.4	1000	
[Pb]	206	209	He	24.165	ug/l	2.9		
[Pb]	207	209	He	22.478	ug/l	0.8		
Pb	208	209	He	23.381	ug/l	1.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4479070.77	1.6	88.7	60	125	
Sc (ISICPMS)	45	No Gas	4911857.15	1.3	101.3	60	125	
Sc (ISICPMS)	45	H2	1320402.29	0.7	102.6	60	125	
Sc (ISICPMS)	45	He	48250.96	1.8	103.2	60	125	
Ge (IS)	74	H2	242383.14	0.8	104.8	60	125	
Ge (IS)	74	He	29528.63	0.9	108.1	60	125	
Kr	83	He	30.03	57.7				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	61299.74	0.4	99.6	60	125	
Tb (IS)	159	He	343215.35	0.4	101.3	60	125	
Bi (IS)	209	He	257014.79	0.6	99.6	60	125	

DRAFT

Sample Report

File Name 089SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 15:01:20

Sample Name **460-306985-E-2-B**

Comment ---

Dilution **1.0000**

Vial # 3109

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	2.774	ug/l	4.6	2000	
B	11	6	No Gas	21.957	ug/l	2.6	2000	
Na	23	45	He	503.294	ug/l	13.8	500000	
Mg	24	45	He	8390.098	ug/l	1.0	500000	
Al	27	45	He	39264.903	ug/l	1.0	500000	
K	39	45	He	3146.958	ug/l	1.0	500000	
Ca	40	45	H2	4304.092	ug/l	1.6	1000000	
Ti	47	45	No Gas	1483.045	ug/l	0.4	10000	
V	51	45	He	132.814	ug/l	0.8	5000	
Cr	52	45	He	148.147	ug/l	2.6	20000	
Mn	55	45	He	406.139	ug/l	0.7	20000	
Fe	56	45	H2	119333.865	ug/l	2.1	500000	
Co	59	45	He	28.915	ug/l	1.4	2000	
Ni	60	45	He	52.862	ug/l	1.9	20000	
Cu	63	45	He	40.054	ug/l	2.6	20000	
Zn	66	45	He	130.730	ug/l	1.5	20000	
As	75	74	He	26.584	ug/l	1.5	5000	
Se	78	74	H2	0.533	ug/l	43.7	3000	
Sr	88	115	He	28.300	ug/l	3.1	5000	
Mo	95	115	He	5.909	ug/l	3.3	2000	
Ag	107	115	He	0.058	ug/l	15.4	1000	
Cd	111	115	He	0.441	ug/l	12.5	5000	
Sn	118	115	He	10.725	ug/l	8.9	2000	
Sb	121	115	He	0.288	ug/l	25.1	1000	
Ba	137	159	He	134.345	ug/l	1.0	20000	
Tl	205	209	He	0.202	ug/l	15.1	1000	
[Pb]	206	209	He	19.955	ug/l	0.5		
[Pb]	207	209	He	17.697	ug/l	0.6		
Pb	208	209	He	19.010	ug/l	0.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4554430.66	0.2	90.2	60	125	
Sc (ISICPMS)	45	No Gas	4980168.16	0.2	102.7	60	125	
Sc (ISICPMS)	45	H2	1337414.13	0.8	103.9	60	125	
Sc (ISICPMS)	45	He	48864.19	0.7	104.5	60	125	
Ge (IS)	74	H2	244430.74	0.9	105.7	60	125	
Ge (IS)	74	He	30050.56	2.1	110.0	60	125	
Kr	83	He	23.36	137.8				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	62304.95	1.1	101.2	60	125	
Tb (IS)	159	He	350616.80	0.9	103.5	60	125	
Bi (IS)	209	He	258966.05	0.3	100.4	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 090_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 15:03:51

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	103.998	ug/l	1.5	100	90	110	
B	11	6	No Gas	258.358	ug/l	1.3	250	225	275	
Na	23	45	He	25019.548	ug/l	0.5	25000	22500	27500	
Mg	24	45	He	24784.289	ug/l	1.2	25000	22500	27500	
Al	27	45	He	24321.489	ug/l	0.5	25000	22500	27500	
K	39	45	He	25065.643	ug/l	0.9	25000	22500	27500	
Ca	40	45	H2	25179.549	ug/l	1.7	25000	22500	27500	
Ti	47	45	No Gas	98.313	ug/l	1.5	100	90	110	
V	51	45	He	98.878	ug/l	1.6	100	90	110	
Cr	52	45	He	99.302	ug/l	1.8	100	90	110	
Mn	55	45	He	99.107	ug/l	0.8	100	90	110	
Fe	56	45	H2	25392.879	ug/l	1.7	25000	22500	27500	
Co	59	45	He	99.381	ug/l	2.0	100	90	110	
Ni	60	45	He	88.738	ug/l	1.2	100	90	110	failed
Cu	63	45	He	100.204	ug/l	1.6	100	90	110	
Zn	66	45	He	251.845	ug/l	2.3	250	225	275	
As	75	74	He	98.334	ug/l	1.5	100	90	110	
Se	78	74	H2	102.825	ug/l	2.6	100	90	110	
Sr	88	115	He	99.915	ug/l	1.9	100	90	110	
Mo	95	115	He	99.695	ug/l	0.3	100	90	110	
Ag	107	115	He	49.424	ug/l	0.2	50	45	55	
Cd	111	115	He	98.095	ug/l	2.4	100	90	110	
Sn	118	115	He	101.622	ug/l	1.9	100	90	110	
Sb	121	115	He	100.535	ug/l	2.1	100	90	110	
Ba	137	159	He	103.286	ug/l	2.4	100	90	110	
Tl	205	209	He	99.235	ug/l	0.3	100	90	110	
[Pb]	206	209	He	99.701	ug/l	1.1				
[Pb]	207	209	He	98.864	ug/l	0.4				
Pb	208	209	He	99.499	ug/l	0.3	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	4618487.26	0.7	91.5	60	125	
Sc (ISICPMS)	45	No Gas	4865191.18	1.4	100.3	60	125	
Sc (ISICPMS)	45	H2	1308197.27	1.3	101.6	60	125	
Sc (ISICPMS)	45	He	48426.07	0.9	103.6	60	125	
Ge (IS)	74	H2	241076.21	1.1	104.3	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	29007.22	2.2	106.2	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	62433.28	0.6	101.4	60	125	
Tb (IS)	159	He	343577.13	0.6	101.4	60	125	
Bi (IS)	209	He	256477.03	0.5	99.4	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 091_Blk.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 15:06:21

Sample Name **CCB**

Comment ---

Dilution 1.0000

Analyte Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.011	ug/l	53.7	0.8	-0.8	0.8	
B	11	6	No Gas	4.196	ug/l	5.3	40	-40	40	
Na	23	45	He	15.064	ug/l	37.7	500	-500	500	
Mg	24	45	He	0.727	ug/l	221.8	200	-200	200	
Al	27	45	He	5.289	ug/l	70.0	40	-40	40	
K	39	45	He	17.252	ug/l	53.6	200	-200	200	
Ca	40	45	H2	5.468	ug/l	7.1	500	-500	500	
Ti	47	45	No Gas	-0.425	ug/l	N/A	4	-4	4	
V	51	45	He	0.044	ug/l	56.9	4	-4	4	
Cr	52	45	He	-0.045	ug/l	N/A	4	-4	4	
Mn	55	45	He	-0.428	ug/l	N/A	8	-8	8	
Fe	56	45	H2	-5.118	ug/l	N/A	60	-60	60	
Co	59	45	He	0.016	ug/l	156.0	4	-4	4	
Ni	60	45	He	-8.997	ug/l	N/A	4	-4	4	> water RL
Cu	63	45	He	0.156	ug/l	64.2	4	-4	4	
Zn	66	45	He	-0.194	ug/l	N/A	16	-16	16	
As	75	74	He	-0.005	ug/l	N/A	2	-2	2	
Se	78	74	H2	0.106	ug/l	152.1	2.5	-2.5	2.5	
Sr	88	115	He	0.038	ug/l	86.7	4	-4	4	
Mo	95	115	He	0.012	ug/l	235.9	4	-4	4	
Ag	107	115	He	0.001	ug/l	823.0	2	-2	2	
Cd	111	115	He	0.011	ug/l	173.2	2	-2	2	
Sn	118	115	He	-0.097	ug/l	N/A	16	-16	16	
Sb	121	115	He	0.093	ug/l	64.8	2	-2	2	
Ba	137	159	He	-0.078	ug/l	N/A	4	-4	4	
Tl	205	209	He	-0.003	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.063	ug/l	51.9				
[Pb]	207	209	He	0.091	ug/l	35.5				
Pb	208	209	He	0.070	ug/l	17.6	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	4592466.32	1.0	91.0	60	125	
Sc (ISICPMS)	45	No Gas	4829824.37	0.7	99.6	60	125	
Sc (ISICPMS)	45	H2	1285781.57	1.6	99.9	60	125	
Sc (ISICPMS)	45	He	46764.71	0.5	100.0	60	125	
Ge (IS)	74	H2	232577.99	1.2	100.6	60	125	
Ge (IS)	74	He	28341.66	2.7	103.7	60	125	
Kr	83	He	3.34	173.2				
In-1	115	He	61907.87	0.6	100.6	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	338383.32	1.3	99.9	60	125	
Bi (IS)	209	He	258018.86	1.0	100.0	60	125	

DRAFT

Sample Report

File Name 092SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 15:10:30

Sample Name **460-306985-F-3-B**

Comment ---

Dilution **1.0000**

Vial # 3110

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	2.709	ug/l	2.9	2000	
B	11	6	No Gas	21.993	ug/l	1.3	2000	
Na	23	45	He	504.616	ug/l	4.0	500000	
Mg	24	45	He	12178.738	ug/l	1.7	500000	
Al	27	45	He	48224.255	ug/l	1.0	500000	
K	39	45	He	4129.348	ug/l	0.8	500000	
Ca	40	45	H2	2961.729	ug/l	2.2	1000000	
Ti	47	45	No Gas	1747.698	ug/l	0.4	10000	
V	51	45	He	134.500	ug/l	0.6	5000	
Cr	52	45	He	56.465	ug/l	1.0	20000	
Mn	55	45	He	3578.310	ug/l	1.2	20000	
Fe	56	45	H2	88582.872	ug/l	1.5	500000	
Co	59	45	He	45.501	ug/l	0.4	2000	
Ni	60	45	He	60.116	ug/l	0.0	20000	
Cu	63	45	He	77.239	ug/l	2.4	20000	
Zn	66	45	He	157.350	ug/l	2.9	20000	
As	75	74	He	15.786	ug/l	3.7	5000	
Se	78	74	H2	0.456	ug/l	48.7	3000	
Sr	88	115	He	26.761	ug/l	6.2	5000	
Mo	95	115	He	4.461	ug/l	4.0	2000	
Ag	107	115	He	0.069	ug/l	38.6	1000	
Cd	111	115	He	1.005	ug/l	24.4	5000	
Sn	118	115	He	10.479	ug/l	10.1	2000	
Sb	121	115	He	0.710	ug/l	3.6	1000	
Ba	137	159	He	203.758	ug/l	0.6	20000	
Tl	205	209	He	0.534	ug/l	6.8	1000	
[Pb]	206	209	He	22.137	ug/l	1.2		
[Pb]	207	209	He	20.223	ug/l	0.3		
Pb	208	209	He	21.200	ug/l	1.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4501466.01	0.6	89.2	60	125	
Sc (ISICPMS)	45	No Gas	4908331.14	0.2	101.2	60	125	
Sc (ISICPMS)	45	H2	1313513.54	1.0	102.1	60	125	
Sc (ISICPMS)	45	He	48282.17	0.9	103.2	60	125	
Ge (IS)	74	H2	241034.83	0.2	104.2	60	125	
Ge (IS)	74	He	29528.70	1.4	108.1	60	125	
Kr	83	He	23.36	89.2				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	61291.25	2.0	99.6	60	125	
Tb (IS)	159	He	345797.29	0.6	102.1	60	125	
Bi (IS)	209	He	258396.30	0.4	100.1	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 093_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 15:13:01

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	105.338	ug/l	0.1	100	90	110	
B	11	6	No Gas	263.910	ug/l	1.6	250	225	275	
Na	23	45	He	25783.559	ug/l	0.7	25000	22500	27500	
Mg	24	45	He	25426.461	ug/l	1.5	25000	22500	27500	
Al	27	45	He	25065.066	ug/l	1.7	25000	22500	27500	
K	39	45	He	25598.549	ug/l	0.5	25000	22500	27500	
Ca	40	45	H2	25205.907	ug/l	0.8	25000	22500	27500	
Ti	47	45	No Gas	99.168	ug/l	1.7	100	90	110	
V	51	45	He	104.082	ug/l	1.0	100	90	110	
Cr	52	45	He	102.099	ug/l	1.7	100	90	110	
Mn	55	45	He	101.513	ug/l	1.3	100	90	110	
Fe	56	45	H2	25370.253	ug/l	0.7	25000	22500	27500	
Co	59	45	He	102.955	ug/l	0.6	100	90	110	
Ni	60	45	He	91.422	ug/l	1.2	100	90	110	
Cu	63	45	He	102.736	ug/l	0.8	100	90	110	
Zn	66	45	He	256.459	ug/l	1.0	250	225	275	
As	75	74	He	101.398	ug/l	5.4	100	90	110	
Se	78	74	H2	100.954	ug/l	1.0	100	90	110	
Sr	88	115	He	99.852	ug/l	2.7	100	90	110	
Mo	95	115	He	101.722	ug/l	1.5	100	90	110	
Ag	107	115	He	50.357	ug/l	0.7	50	45	55	
Cd	111	115	He	103.076	ug/l	1.7	100	90	110	
Sn	118	115	He	103.524	ug/l	1.4	100	90	110	
Sb	121	115	He	103.205	ug/l	1.0	100	90	110	
Ba	137	159	He	103.390	ug/l	1.4	100	90	110	
Tl	205	209	He	100.635	ug/l	0.4	100	90	110	
[Pb]	206	209	He	101.198	ug/l	1.0				
[Pb]	207	209	He	100.065	ug/l	1.2				
Pb	208	209	He	100.591	ug/l	0.3	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	4625117.99	1.4	91.6	60	125	
Sc (ISICPMS)	45	No Gas	4916190.38	2.8	101.4	60	125	
Sc (ISICPMS)	45	H2	1315005.41	1.5	102.2	60	125	
Sc (ISICPMS)	45	He	47417.97	0.7	101.4	60	125	
Ge (IS)	74	H2	240792.79	0.9	104.1	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	29251.18	3.4	107.1	60	125	
Kr	83	He	3.34	173.2				
In-1	115	He	61983.67	1.0	100.7	60	125	
Tb (IS)	159	He	340686.79	0.5	100.6	60	125	
Bi (IS)	209	He	255662.07	0.4	99.1	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 094_Blk.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 15:15:31

Sample Name **CCB**

Comment ---

Dilution 1.0000

Multiplier Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.020	ug/l	69.2	0.8	-0.8	0.8	
B	11	6	No Gas	3.739	ug/l	3.0	40	-40	40	
Na	23	45	He	7.057	ug/l	59.7	500	-500	500	
Mg	24	45	He	1.213	ug/l	112.8	200	-200	200	
Al	27	45	He	2.646	ug/l	52.6	40	-40	40	
K	39	45	He	16.678	ug/l	64.4	200	-200	200	
Ca	40	45	H2	6.275	ug/l	11.4	500	-500	500	
Ti	47	45	No Gas	-0.165	ug/l	N/A	4	-4	4	
V	51	45	He	-0.089	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.373	ug/l	N/A	4	-4	4	
Mn	55	45	He	-0.347	ug/l	N/A	8	-8	8	
Fe	56	45	H2	-5.259	ug/l	N/A	60	-60	60	
Co	59	45	He	0.028	ug/l	146.9	4	-4	4	
Ni	60	159	He	-9.415	ug/l	N/A	4	-4	4	> water RL
Cu	63	45	He	0.004	ug/l	502.6	4	-4	4	
Zn	66	45	He	0.118	ug/l	717.9	16	-16	16	
As	75	74	He	-0.104	ug/l	N/A	2	-2	2	
Se	78	74	H2	0.119	ug/l	102.2	2.5	-2.5	2.5	
Sr	88	115	He	0.037	ug/l	247.7	4	-4	4	
Mo	95	115	He	-0.009	ug/l	N/A	4	-4	4	
Ag	107	115	He	-0.002	ug/l	N/A	2	-2	2	
Cd	111	115	He	0.033	ug/l	99.9	2	-2	2	
Sn	118	115	He	0.241	ug/l	175.8	16	-16	16	
Sb	121	115	He	0.043	ug/l	77.8	2	-2	2	
Ba	137	159	He	-0.042	ug/l	N/A	4	-4	4	
Tl	205	209	He	-0.005	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.005	ug/l	176.2				
[Pb]	207	209	He	0.091	ug/l	31.3				
Pb	208	209	He	0.066	ug/l	17.2	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	4670842.16	0.4	92.5	60	125	
Sc (ISICPMS)	45	No Gas	4863917.67	0.3	100.3	60	125	
Sc (ISICPMS)	45	H2	1311547.66	0.2	101.9	60	125	
Sc (ISICPMS)	45	He	47164.91	0.4	100.9	60	125	
Ge (IS)	74	H2	236874.49	0.7	102.4	60	125	
Ge (IS)	74	He	27803.42	1.4	101.8	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	62167.10	1.0	101.0	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	338891.54	1.6	100.1	60	125	
Bi (IS)	209	He	258265.12	1.8	100.1	60	125	

DRAFT

Sample Report

File Name 095SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 15:18:02

Sample Name **460-306985-F-3-B**

Comment ---

Dilution **1.0000**

Vial # 3110

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	2.674	ug/l	4.4	2000	
B	11	6	No Gas	21.121	ug/l	0.6	2000	
Na	23	45	He	479.835	ug/l	3.5	500000	
Mg	24	45	He	11903.796	ug/l	1.3	500000	
Al	27	45	He	47384.082	ug/l	1.7	500000	
K	39	45	He	4033.188	ug/l	1.2	500000	
Ca	40	45	H2	2975.352	ug/l	0.7	1000000	
Ti	47	45	No Gas	1808.900	ug/l	2.2	10000	
V	51	45	He	130.175	ug/l	1.8	5000	
Cr	52	45	He	54.893	ug/l	2.0	20000	
Mn	55	45	He	3518.569	ug/l	1.3	20000	
Fe	56	45	H2	87886.177	ug/l	0.9	500000	
Co	59	45	He	44.637	ug/l	0.2	2000	
Ni	60	159	He	61.056	ug/l	1.0	20000	
Cu	63	45	He	76.187	ug/l	1.2	20000	
Zn	66	45	He	153.052	ug/l	1.8	20000	
As	75	74	He	17.447	ug/l	8.3	5000	
Se	78	74	H2	0.602	ug/l	20.8	3000	
Sr	88	115	He	25.569	ug/l	4.9	5000	
Mo	95	115	He	4.341	ug/l	6.8	2000	
Ag	107	115	He	0.093	ug/l	7.4	1000	
Cd	111	115	He	1.072	ug/l	9.9	5000	
Sn	118	115	He	10.738	ug/l	4.1	2000	
Sb	121	115	He	0.661	ug/l	10.1	1000	
Ba	137	159	He	197.285	ug/l	1.6	20000	
Tl	205	209	He	0.562	ug/l	2.1	1000	
[Pb]	206	209	He	21.966	ug/l	1.7		
[Pb]	207	209	He	19.934	ug/l	1.4		
Pb	208	209	He	21.065	ug/l	1.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4723239.90	0.8	93.6	60	125	
Sc (ISICPMS)	45	No Gas	5000528.95	1.0	103.1	60	125	
Sc (ISICPMS)	45	H2	1359222.66	0.5	105.6	60	125	
Sc (ISICPMS)	45	He	49990.44	1.1	106.9	60	125	
Ge (IS)	74	H2	249236.37	1.3	107.8	60	125	
Ge (IS)	74	He	29705.94	0.3	108.7	60	125	
Kr	83	He	16.68	69.3				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	62158.60	0.5	101.0	60	125	
Tb (IS)	159	He	351658.82	1.1	103.8	60	125	
Bi (IS)	209	He	261033.01	1.5	101.2	60	125	

DRAFT

Sample Report

File Name 096SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 15:20:35

Sample Name **460-306985-E-4-B**

Comment ---

Dilution **1.0000**

Vial # 3111

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	2.209	ug/l	2.9	2000	
B	11	6	No Gas	19.183	ug/l	2.7	2000	
Na	23	45	He	425.198	ug/l	8.8	500000	
Mg	24	45	He	9535.677	ug/l	0.9	500000	
Al	27	45	He	39896.061	ug/l	0.8	500000	
K	39	45	He	3252.629	ug/l	3.2	500000	
Ca	40	45	H2	2622.326	ug/l	2.0	1000000	
Ti	47	45	No Gas	1359.444	ug/l	1.2	10000	
V	51	45	He	92.606	ug/l	1.3	5000	
Cr	52	45	He	57.143	ug/l	0.4	20000	
Mn	55	45	He	586.814	ug/l	1.0	20000	
Fe	56	45	H2	104368.153	ug/l	1.7	500000	
Co	59	45	He	22.313	ug/l	0.3	2000	
Ni	60	45	He	35.703	ug/l	2.1	20000	
Cu	63	45	He	44.696	ug/l	1.5	20000	
Zn	66	45	He	301.756	ug/l	0.7	20000	
As	75	74	He	16.059	ug/l	7.0	5000	
Se	78	74	H2	0.619	ug/l	32.2	3000	
Sr	88	115	He	29.016	ug/l	0.3	5000	
Mo	95	115	He	3.186	ug/l	9.3	2000	
Ag	107	115	He	0.041	ug/l	15.6	1000	
Cd	111	115	He	0.279	ug/l	38.3	5000	
Sn	118	115	He	10.322	ug/l	4.0	2000	
Sb	121	115	He	0.510	ug/l	14.6	1000	
Ba	137	159	He	100.423	ug/l	3.7	20000	
Tl	205	209	He	0.141	ug/l	19.3	1000	
[Pb]	206	209	He	16.341	ug/l	2.9		
[Pb]	207	209	He	14.814	ug/l	2.5		
Pb	208	209	He	15.670	ug/l	1.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4603318.37	0.9	91.2	60	125	
Sc (ISICPMS)	45	No Gas	4976201.59	1.0	102.6	60	125	
Sc (ISICPMS)	45	H2	1328706.84	0.5	103.2	60	125	
Sc (ISICPMS)	45	He	47673.29	0.8	101.9	60	125	
Ge (IS)	74	H2	243076.66	0.9	105.1	60	125	
Ge (IS)	74	He	29274.61	1.6	107.1	60	125	
Kr	83	He	16.68	34.6				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	61421.24	0.4	99.8	60	125	
Tb (IS)	159	He	342879.84	1.0	101.2	60	125	
Bi (IS)	209	He	255494.68	0.3	99.0	60	125	

DRAFT

Sample Report

File Name 097SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 15:23:06

Sample Name **460-306985-E-5-B**

Comment ---

Dilution **1.0000**

Vial # 3112

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	1.409	ug/l	2.0	2000	
B	11	6	No Gas	20.589	ug/l	2.8	2000	
Na	23	45	He	384.500	ug/l	1.9	500000	
Mg	24	45	He	11547.656	ug/l	1.3	500000	
Al	27	45	He	34058.189	ug/l	1.2	500000	
K	39	45	He	3207.146	ug/l	2.5	500000	
Ca	40	45	H2	2552.052	ug/l	1.5	1000000	
Ti	47	45	No Gas	1191.198	ug/l	1.1	10000	
V	51	45	He	67.984	ug/l	1.6	5000	
Cr	52	45	He	44.635	ug/l	2.1	20000	
Mn	55	45	He	612.544	ug/l	0.7	20000	
Fe	56	45	H2	57749.131	ug/l	0.4	500000	
Co	59	45	He	18.976	ug/l	1.1	2000	
Ni	60	45	He	35.519	ug/l	2.7	20000	
Cu	63	45	He	37.053	ug/l	1.3	20000	
Zn	66	45	He	105.714	ug/l	3.0	20000	
As	75	74	He	4.927	ug/l	2.5	5000	
Se	78	74	H2	0.627	ug/l	51.5	3000	
Sr	88	115	He	20.242	ug/l	3.2	5000	
Mo	95	115	He	0.584	ug/l	13.3	2000	
Ag	107	115	He	0.035	ug/l	65.3	1000	
Cd	111	115	He	0.227	ug/l	9.6	5000	
Sn	118	115	He	10.124	ug/l	2.6	2000	
Sb	121	115	He	0.158	ug/l	7.4	1000	
Ba	137	159	He	75.439	ug/l	3.0	20000	
Tl	205	209	He	0.150	ug/l	8.5	1000	
[Pb]	206	209	He	16.207	ug/l	1.9		
[Pb]	207	209	He	15.040	ug/l	3.8		
Pb	208	209	He	15.565	ug/l	1.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4567135.76	0.5	90.5	60	125	
Sc (ISICPMS)	45	No Gas	4854846.91	0.8	100.1	60	125	
Sc (ISICPMS)	45	H2	1279307.51	0.7	99.4	60	125	
Sc (ISICPMS)	45	He	47494.89	0.7	101.6	60	125	
Ge (IS)	74	H2	235066.14	1.2	101.7	60	125	
Ge (IS)	74	He	28351.68	1.0	103.8	60	125	
Kr	83	He	3.34	173.2				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	60627.28	1.1	98.5	60	125	
Tb (IS)	159	He	336643.27	0.6	99.4	60	125	
Bi (IS)	209	He	251946.93	0.5	97.6	60	125	

DRAFT

Sample Report

File Name 098SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 15:25:37

Sample Name **460-307113-A-1-C**

Comment ---

Dilution **1.0000**

Vial # 3201

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	2.710	ug/l	3.2	2000	
B	11	6	No Gas	911.011	ug/l	1.1	2000	
Na	23	45	He	69906.727	ug/l	1.2	500000	
Mg	24	45	He	69667.733	ug/l	0.2	500000	
Al	27	45	He	263749.032	ug/l	1.2	500000	
K	39	45	He	30178.965	ug/l	0.5	500000	
Ca	40	45	H2	612286.082	ug/l	0.6	1000000	
Ti	47	45	No Gas	7371.068	ug/l	0.4	10000	
V	51	45	He	172.991	ug/l	0.6	5000	
Cr	52	45	He	1102.168	ug/l	1.3	20000	
Mn	55	45	He	3358.177	ug/l	0.8	20000	
Fe	56	45	H2	222040.758	ug/l	0.8	500000	
Co	59	45	He	1579.026	ug/l	1.3	2000	
Ni	60	45	He	1952.436	ug/l	1.2	20000	
Cu	63	45	He	20639.440	ug/l	0.7	20000	>LDR 6020B□>LDR 200.8
Zn	66	45	He	18537.483	ug/l	1.1	20000	>LDR 200.8
As	75	74	He	53.206	ug/l	0.6	5000	
Se	78	74	H2	4.088	ug/l	23.6	3000	
Sr	88	115	He	1246.438	ug/l	0.9	5000	
Mo	95	115	He	332.151	ug/l	1.7	2000	
Ag	107	115	He	8.729	ug/l	2.7	1000	
Cd	111	115	He	44.138	ug/l	4.0	5000	
Sn	118	115	He	468.463	ug/l	0.5	2000	
Sb	121	115	He	320.788	ug/l	0.4	1000	
Ba	137	159	He	3509.923	ug/l	0.6	20000	
Tl	205	209	He	0.165	ug/l	14.9	1000	
[Pb]	206	209	He	3017.481	ug/l	0.8		
[Pb]	207	209	He	2928.108	ug/l	0.7		
Pb	208	209	He	2950.364	ug/l	0.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4421637.82	2.0	87.6	60	125	
Sc (ISICPMS)	45	No Gas	4786529.96	0.6	98.7	60	125	
Sc (ISICPMS)	45	H2	1300894.42	1.4	101.1	60	125	
Sc (ISICPMS)	45	He	47462.64	1.1	101.5	60	125	
Ge (IS)	74	H2	230832.67	1.9	99.8	60	125	
Ge (IS)	74	He	28351.73	1.1	103.8	60	125	
Kr	83	He	23.36	65.5				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	58948.23	0.7	95.8	60	125	
Tb (IS)	159	He	332095.31	0.5	98.1	60	125	
Bi (IS)	209	He	269635.15	0.6	104.5	60	125	

DRAFT

Sample Report

File Name 099SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 15:28:10

Sample Name **460-307113-A-2-C**

Comment ---

Dilution **1.0000**

Vial # 3202

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	1.489	ug/l	5.7	2000	
B	11	6	No Gas	4266.993	ug/l	0.4	2000	>LDR 6020B□>LDR 200.8
Na	23	45	He	53570.441	ug/l	1.5	500000	
Mg	24	45	He	28290.596	ug/l	1.5	500000	
Al	27	45	He	183442.495	ug/l	1.6	500000	
K	39	45	He	9070.819	ug/l	1.2	500000	
Ca	40	45	H2	292853.379	ug/l	0.6	1000000	
Ti	47	45	No Gas	13628.850	ug/l	0.6	10000	>LDR 6020B□>LDR 200.8
V	51	45	He	75.977	ug/l	1.2	5000	
Cr	52	45	He	441.102	ug/l	1.2	20000	
Mn	55	45	He	2477.682	ug/l	0.8	20000	
Fe	56	45	H2	127049.222	ug/l	0.4	500000	
Co	59	45	He	911.234	ug/l	1.3	2000	
Ni	60	45	He	927.200	ug/l	1.4	20000	
Cu	63	45	He	7762.637	ug/l	1.3	20000	
Zn	66	45	He	4830.267	ug/l	1.6	20000	
As	75	74	He	18.631	ug/l	9.0	5000	
Se	78	74	H2	1.099	ug/l	29.0	3000	
Sr	88	115	He	729.425	ug/l	1.1	5000	
Mo	95	115	He	381.520	ug/l	2.0	2000	
Ag	107	115	He	3.368	ug/l	2.5	1000	
Cd	111	115	He	8.217	ug/l	5.2	5000	
Sn	118	115	He	140.965	ug/l	1.3	2000	
Sb	121	115	He	76.076	ug/l	1.4	1000	
Ba	137	159	He	1839.387	ug/l	1.2	20000	
Tl	205	209	He	-0.008	ug/l	N/A	1000	
[Pb]	206	209	He	359.120	ug/l	0.3		
[Pb]	207	209	He	348.353	ug/l	0.6		
Pb	208	209	He	352.759	ug/l	0.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4354080.56	1.2	86.2	60	125	
Sc (ISICPMS)	45	No Gas	4774897.67	0.4	98.4	60	125	
Sc (ISICPMS)	45	H2	1283148.81	0.9	99.7	60	125	
Sc (ISICPMS)	45	He	46957.69	1.2	100.4	60	125	
Ge (IS)	74	H2	231880.42	1.3	100.3	60	125	
Ge (IS)	74	He	28478.82	0.2	104.2	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	59582.33	1.0	96.8	60	125	
Tb (IS)	159	He	336626.60	0.8	99.4	60	125	
Bi (IS)	209	He	254801.24	0.3	98.8	60	125	

DRAFT

Sample Report

File Name 100SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 15:30:43

Sample Name **460-307113-A-3-C**

Comment ---

Dilution **1.0000**

Vial # 3203

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	2.279	ug/l	1.5	2000	
B	11	6	No Gas	148.141	ug/l	0.5	2000	
Na	23	45	He	10610.035	ug/l	0.7	500000	
Mg	24	45	He	19873.099	ug/l	0.9	500000	
Al	27	45	He	53254.859	ug/l	0.2	500000	
K	39	45	He	7567.120	ug/l	0.7	500000	
Ca	40	45	H2	424868.543	ug/l	0.7	1000000	
Ti	47	45	No Gas	3802.863	ug/l	1.8	10000	
V	51	45	He	93.647	ug/l	0.5	5000	
Cr	52	45	He	163.996	ug/l	0.5	20000	
Mn	55	45	He	958.819	ug/l	1.1	20000	
Fe	56	45	H2	50901.655	ug/l	0.9	500000	
Co	59	45	He	29.293	ug/l	1.8	2000	
Ni	60	45	He	54.469	ug/l	1.4	20000	
Cu	63	45	He	418.956	ug/l	0.5	20000	
Zn	66	45	He	1402.838	ug/l	0.2	20000	
As	75	74	He	46.453	ug/l	7.0	5000	
Se	78	74	H2	0.820	ug/l	37.3	3000	
Sr	88	115	He	596.728	ug/l	0.3	5000	
Mo	95	115	He	27.982	ug/l	2.2	2000	
Ag	107	115	He	1.259	ug/l	7.9	1000	
Cd	111	115	He	5.964	ug/l	1.2	5000	
Sn	118	115	He	46.370	ug/l	1.9	2000	
Sb	121	115	He	15.787	ug/l	2.8	1000	
Ba	137	159	He	534.752	ug/l	0.6	20000	
Tl	205	209	He	0.254	ug/l	12.0	1000	
[Pb]	206	209	He	167.346	ug/l	0.4		
[Pb]	207	209	He	161.283	ug/l	0.9		
Pb	208	209	He	164.341	ug/l	0.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4398577.88	0.7	87.1	60	125	
Sc (ISICPMS)	45	No Gas	4878602.78	0.7	100.6	60	125	
Sc (ISICPMS)	45	H2	1335326.65	1.6	103.7	60	125	
Sc (ISICPMS)	45	He	48228.58	0.5	103.1	60	125	
Ge (IS)	74	H2	238971.40	1.1	103.4	60	125	
Ge (IS)	74	He	28987.14	2.7	106.1	60	125	
Kr	83	He	16.68	34.6				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	62292.78	0.8	101.2	60	125	
Tb (IS)	159	He	342045.11	0.5	101.0	60	125	
Bi (IS)	209	He	251677.11	0.7	97.5	60	125	

DRAFT

Sample Report

File Name 101SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 15:33:15

Sample Name **460-307022-D-1-E**

Comment ---

Dilution **1.0000**

Vial # 3204

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	3.878	ug/l	3.0	2000	
B	11	6	No Gas	61.322	ug/l	0.7	2000	
Na	23	45	He	1815.262	ug/l	0.6	500000	
Mg	24	45	He	26521.187	ug/l	0.2	500000	
Al	27	45	He	77890.190	ug/l	0.6	500000	
K	39	45	He	4852.276	ug/l	1.4	500000	
Ca	40	45	H2	16937.099	ug/l	1.3	1000000	
Ti	47	45	No Gas	3136.298	ug/l	1.3	10000	
V	51	45	He	242.180	ug/l	1.2	5000	
Cr	52	45	He	138.765	ug/l	0.4	20000	
Mn	55	45	He	3086.103	ug/l	0.5	20000	
Fe	56	45	H2	170331.963	ug/l	1.5	500000	
Co	59	45	He	61.777	ug/l	0.2	2000	
Ni	60	45	He	108.244	ug/l	1.5	20000	
Cu	63	45	He	155.980	ug/l	1.0	20000	
Zn	66	45	He	334.426	ug/l	0.4	20000	
As	75	74	He	26.546	ug/l	11.5	5000	
Se	78	74	H2	1.331	ug/l	21.7	3000	
Sr	88	115	He	94.913	ug/l	1.3	5000	
Mo	95	115	He	8.194	ug/l	4.8	2000	
Ag	107	115	He	0.139	ug/l	6.9	1000	
Cd	111	115	He	1.470	ug/l	15.5	5000	
Sn	118	115	He	12.855	ug/l	4.8	2000	
Sb	121	115	He	1.160	ug/l	15.2	1000	
Ba	137	159	He	286.784	ug/l	1.6	20000	
Tl	205	209	He	0.484	ug/l	7.9	1000	
[Pb]	206	209	He	100.636	ug/l	1.3		
[Pb]	207	209	He	92.321	ug/l	1.1		
Pb	208	209	He	99.989	ug/l	1.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4546598.37	1.4	90.1	60	125	
Sc (ISICPMS)	45	No Gas	5103307.67	1.5	105.2	60	125	
Sc (ISICPMS)	45	H2	1391692.51	1.0	108.1	60	125	
Sc (ISICPMS)	45	He	50266.87	1.1	107.5	60	125	
Ge (IS)	74	H2	245786.56	0.2	106.3	60	125	
Ge (IS)	74	He	29843.07	2.6	109.2	60	125	
Kr	83	He	63.40	18.2				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	62147.45	0.4	101.0	60	125	
Tb (IS)	159	He	353021.69	0.7	104.2	60	125	
Bi (IS)	209	He	255739.51	1.2	99.1	60	125	

DRAFT

Sample Report

File Name 102SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 15:35:47

Sample Name **460-307022-D-2-F**

Comment ---

Dilution **1.0000**

Vial # 3205

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	3.957	ug/l	1.3	2000	
B	11	6	No Gas	177.677	ug/l	0.5	2000	
Na	23	45	He	1415.479	ug/l	2.3	500000	
Mg	24	45	He	25410.211	ug/l	2.1	500000	
Al	27	45	He	89825.407	ug/l	1.7	500000	
K	39	45	He	4393.847	ug/l	1.6	500000	
Ca	40	45	H2	12471.977	ug/l	1.0	1000000	
Ti	47	45	No Gas	3081.887	ug/l	0.6	10000	
V	51	45	He	245.002	ug/l	1.7	5000	
Cr	52	45	He	137.128	ug/l	0.8	20000	
Mn	55	45	He	3040.288	ug/l	1.5	20000	
Fe	56	45	H2	160276.996	ug/l	0.8	500000	
Co	59	45	He	56.174	ug/l	1.7	2000	
Ni	60	45	He	95.565	ug/l	2.7	20000	
Cu	63	45	He	148.407	ug/l	1.3	20000	
Zn	66	45	He	377.554	ug/l	1.5	20000	
As	75	74	He	24.605	ug/l	4.4	5000	
Se	78	74	H2	1.353	ug/l	27.7	3000	
Sr	88	115	He	63.053	ug/l	0.3	5000	
Mo	95	115	He	5.162	ug/l	0.3	2000	
Ag	107	115	He	0.190	ug/l	22.2	1000	
Cd	111	115	He	0.883	ug/l	34.0	5000	
Sn	118	115	He	13.706	ug/l	2.3	2000	
Sb	121	115	He	0.848	ug/l	7.7	1000	
Ba	137	159	He	317.383	ug/l	1.6	20000	
Tl	205	209	He	0.527	ug/l	3.4	1000	
[Pb]	206	209	He	90.238	ug/l	1.0		
[Pb]	207	209	He	84.617	ug/l	0.5		
Pb	208	209	He	87.581	ug/l	1.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4653055.55	1.3	92.2	60	125	
Sc (ISICPMS)	45	No Gas	5242113.60	0.4	108.1	60	125	
Sc (ISICPMS)	45	H2	1419230.17	0.1	110.3	60	125	
Sc (ISICPMS)	45	He	51432.23	2.5	110.0	60	125	
Ge (IS)	74	H2	250656.33	0.6	108.4	60	125	
Ge (IS)	74	He	31230.90	2.4	114.3	60	125	
Kr	83	He	56.72	44.4				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	63639.03	0.8	103.4	60	125	
Tb (IS)	159	He	361626.78	1.4	106.8	60	125	
Bi (IS)	209	He	261706.03	0.8	101.4	60	125	

DRAFT

Sample Report

File Name 103SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 15:38:18

Sample Name **460-307022-D-3-E**

Comment ---

Dilution **1.0000**

Vial # 3206

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	4.279	ug/l	3.8	2000	
B	11	6	No Gas	33.268	ug/l	2.8	2000	
Na	23	45	He	778.162	ug/l	3.0	500000	
Mg	24	45	He	22320.663	ug/l	0.9	500000	
Al	27	45	He	109526.888	ug/l	1.3	500000	
K	39	45	He	3805.361	ug/l	2.9	500000	
Ca	40	45	H2	8345.430	ug/l	0.5	1000000	
Ti	47	45	No Gas	3265.302	ug/l	0.9	10000	
V	51	45	He	276.818	ug/l	1.1	5000	
Cr	52	45	He	145.660	ug/l	0.8	20000	
Mn	55	45	He	1804.187	ug/l	0.5	20000	
Fe	56	45	H2	167534.077	ug/l	0.2	500000	
Co	59	45	He	51.434	ug/l	2.1	2000	
Ni	60	45	He	86.239	ug/l	1.5	20000	
Cu	63	45	He	105.226	ug/l	0.9	20000	
Zn	66	45	He	284.395	ug/l	1.5	20000	
As	75	74	He	25.330	ug/l	8.6	5000	
Se	78	74	H2	1.849	ug/l	1.7	3000	
Sr	88	115	He	62.941	ug/l	2.9	5000	
Mo	95	115	He	3.973	ug/l	8.0	2000	
Ag	107	115	He	0.163	ug/l	5.3	1000	
Cd	111	115	He	0.682	ug/l	14.7	5000	
Sn	118	115	He	14.071	ug/l	6.4	2000	
Sb	121	115	He	0.734	ug/l	3.2	1000	
Ba	137	159	He	396.361	ug/l	1.7	20000	
Tl	205	209	He	0.568	ug/l	2.0	1000	
[Pb]	206	209	He	75.826	ug/l	1.0		
[Pb]	207	209	He	70.813	ug/l	1.0		
Pb	208	209	He	73.177	ug/l	0.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4677401.53	0.4	92.7	60	125	
Sc (ISICPMS)	45	No Gas	5285095.75	0.4	109.0	60	125	
Sc (ISICPMS)	45	H2	1418684.74	0.7	110.2	60	125	
Sc (ISICPMS)	45	He	50749.73	0.8	108.5	60	125	
Ge (IS)	74	H2	247877.70	0.2	107.2	60	125	
Ge (IS)	74	He	31220.84	1.0	114.3	60	125	
Kr	83	He	33.37	45.8				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	62460.02	0.2	101.5	60	125	
Tb (IS)	159	He	358689.12	0.8	105.9	60	125	
Bi (IS)	209	He	261712.74	1.5	101.4	60	125	

DRAFT

Sample Report

File Name 104SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 15:40:50

Sample Name **460-307022-D-4-E**

Comment ---

Dilution **1.0000**

Vial # 3207

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	3.667	ug/l	2.8	2000	
B	11	6	No Gas	36.187	ug/l	1.0	2000	
Na	23	45	He	2270.737	ug/l	1.0	500000	
Mg	24	45	He	27252.367	ug/l	0.5	500000	
Al	27	45	He	83830.676	ug/l	0.5	500000	
K	39	45	He	4745.934	ug/l	1.5	500000	
Ca	40	45	H2	14783.333	ug/l	0.6	1000000	
Ti	47	45	No Gas	3212.931	ug/l	1.0	10000	
V	51	45	He	240.933	ug/l	0.9	5000	
Cr	52	45	He	127.601	ug/l	1.4	20000	
Mn	55	45	He	2796.261	ug/l	1.6	20000	
Fe	56	45	H2	162492.248	ug/l	0.8	500000	
Co	59	45	He	58.309	ug/l	0.3	2000	
Ni	60	45	He	97.869	ug/l	2.7	20000	
Cu	63	45	He	170.768	ug/l	0.5	20000	
Zn	66	45	He	357.898	ug/l	1.4	20000	
As	75	74	He	22.436	ug/l	3.4	5000	
Se	78	74	H2	1.122	ug/l	10.3	3000	
Sr	88	115	He	69.824	ug/l	1.0	5000	
Mo	95	115	He	5.937	ug/l	3.8	2000	
Ag	107	115	He	0.230	ug/l	12.5	1000	
Cd	111	115	He	1.900	ug/l	14.4	5000	
Sn	118	115	He	14.162	ug/l	1.8	2000	
Sb	121	115	He	0.591	ug/l	14.8	1000	
Ba	137	159	He	314.608	ug/l	0.6	20000	
Tl	205	209	He	0.503	ug/l	3.7	1000	
[Pb]	206	209	He	117.139	ug/l	1.1		
[Pb]	207	209	He	111.778	ug/l	1.2		
Pb	208	209	He	114.818	ug/l	0.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4620812.36	1.0	91.5	60	125	
Sc (ISICPMS)	45	No Gas	5177323.50	0.8	106.7	60	125	
Sc (ISICPMS)	45	H2	1389205.64	0.6	107.9	60	125	
Sc (ISICPMS)	45	He	50685.06	1.4	108.4	60	125	
Ge (IS)	74	H2	247573.95	1.0	107.1	60	125	
Ge (IS)	74	He	30819.46	0.2	112.8	60	125	
Kr	83	He	46.71	44.6				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	63251.00	2.4	102.7	60	125	
Tb (IS)	159	He	360796.78	1.6	106.5	60	125	
Bi (IS)	209	He	263631.64	0.9	102.2	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 105_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 15:43:22

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	102.696	ug/l	1.5	100	90	110	
B	11	6	No Gas	257.305	ug/l	1.9	250	225	275	
Na	23	45	He	25794.615	ug/l	1.9	25000	22500	27500	
Mg	24	45	He	25413.991	ug/l	1.7	25000	22500	27500	
Al	27	45	He	24822.468	ug/l	2.2	25000	22500	27500	
K	39	45	He	25443.522	ug/l	1.1	25000	22500	27500	
Ca	40	45	H2	25179.246	ug/l	0.8	25000	22500	27500	
Ti	47	45	No Gas	97.616	ug/l	1.4	100	90	110	
V	51	45	He	103.615	ug/l	2.0	100	90	110	
Cr	52	45	He	101.347	ug/l	1.7	100	90	110	
Mn	55	45	He	99.532	ug/l	1.1	100	90	110	
Fe	56	45	H2	25528.994	ug/l	0.3	25000	22500	27500	
Co	59	45	He	101.243	ug/l	1.7	100	90	110	
Ni	60	45	He	90.964	ug/l	1.2	100	90	110	
Cu	63	45	He	101.298	ug/l	2.5	100	90	110	
Zn	66	45	He	249.883	ug/l	1.4	250	225	275	
As	75	74	He	99.993	ug/l	5.5	100	90	110	
Se	78	74	H2	99.906	ug/l	4.0	100	90	110	
Sr	88	115	He	100.324	ug/l	2.4	100	90	110	
Mo	95	115	He	102.316	ug/l	0.8	100	90	110	
Ag	107	115	He	51.195	ug/l	1.8	50	45	55	
Cd	111	115	He	101.079	ug/l	2.0	100	90	110	
Sn	118	115	He	103.798	ug/l	1.5	100	90	110	
Sb	121	115	He	103.438	ug/l	0.6	100	90	110	
Ba	137	159	He	98.876	ug/l	2.1	100	90	110	
Tl	205	209	He	99.978	ug/l	1.2	100	90	110	
[Pb]	206	209	He	101.517	ug/l	1.2				
[Pb]	207	209	He	100.594	ug/l	0.3				
Pb	208	209	He	101.302	ug/l	0.9	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	4614883.79	2.1	91.4	60	125	
Sc (ISICPMS)	45	No Gas	4874963.54	1.3	100.5	60	125	
Sc (ISICPMS)	45	H2	1292031.36	0.9	100.4	60	125	
Sc (ISICPMS)	45	He	47463.68	2.4	101.5	60	125	
Ge (IS)	74	H2	237168.53	1.7	102.6	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	28799.76	1.2	105.4	60	125	
Kr	83	He	6.67	86.6				
In-1	115	He	61051.69	1.3	99.2	60	125	
Tb (IS)	159	He	342256.14	2.1	101.1	60	125	
Bi (IS)	209	He	255013.32	1.0	98.8	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 106_Blk.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 15:45:52

Sample Name **CCB**

Comment ---

Dilution 1.0000

Analyte Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.025	ug/l	41.2	0.8	-0.8	0.8	
B	11	6	No Gas	6.399	ug/l	6.2	40	-40	40	
Na	23	45	He	5.771	ug/l	219.4	500	-500	500	
Mg	24	45	He	1.363	ug/l	12.2	200	-200	200	
Al	27	45	He	4.565	ug/l	19.5	40	-40	40	
K	39	45	He	12.170	ug/l	36.1	200	-200	200	
Ca	40	45	H2	7.702	ug/l	6.0	500	-500	500	
Ti	47	45	No Gas	-0.408	ug/l	N/A	4	-4	4	
V	51	45	He	-0.075	ug/l	N/A	4	-4	4	
Cr	52	45	He	0.084	ug/l	177.4	4	-4	4	
Mn	55	45	He	-0.328	ug/l	N/A	8	-8	8	
Fe	56	45	H2	-2.253	ug/l	N/A	60	-60	60	
Co	59	45	He	0.077	ug/l	10.0	4	-4	4	
Ni	60	45	He	-10.450	ug/l	N/A	4	-4	4	> water RL
Cu	63	45	He	0.103	ug/l	70.4	4	-4	4	
Zn	66	45	He	0.426	ug/l	78.7	16	-16	16	
As	75	74	He	-0.007	ug/l	N/A	2	-2	2	
Se	78	74	H2	-0.036	ug/l	N/A	2.5	-2.5	2.5	
Sr	88	115	He	0.085	ug/l	106.5	4	-4	4	
Mo	95	115	He	0.015	ug/l	458.8	4	-4	4	
Ag	107	115	He	0.001	ug/l	321.4	2	-2	2	
Cd	111	115	He	0.011	ug/l	173.2	2	-2	2	
Sn	118	115	He	-0.214	ug/l	N/A	16	-16	16	
Sb	121	115	He	0.099	ug/l	57.9	2	-2	2	
Ba	137	159	He	0.124	ug/l	97.4	4	-4	4	
Tl	205	209	He	-0.021	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.096	ug/l	31.7				
[Pb]	207	209	He	0.122	ug/l	30.4				
Pb	208	209	He	0.114	ug/l	19.8	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	4640071.87	2.4	91.9	60	125	
Sc (ISICPMS)	45	No Gas	4853239.13	1.5	100.1	60	125	
Sc (ISICPMS)	45	H2	1294852.61	0.5	100.6	60	125	
Sc (ISICPMS)	45	He	47448.04	1.6	101.5	60	125	
Ge (IS)	74	H2	233072.61	0.9	100.8	60	125	
Ge (IS)	74	He	28174.40	1.4	103.1	60	125	
Kr	83	He	3.34	173.2				
In-1	115	He	62193.69	2.4	101.0	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	344545.51	1.2	101.7	60	125	
Bi (IS)	209	He	260977.01	1.6	101.1	60	125	

DRAFT

Sample Report

File Name 107SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 15:48:22

Sample Name **460-307042-B-1-F**

Comment ---

Dilution **1.0000**

Vial # 3208

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	5.747	ug/l	1.4	2000	
B	11	6	No Gas	79.996	ug/l	2.6	2000	
Na	23	45	He	925.570	ug/l	2.2	500000	
Mg	24	45	He	3259.947	ug/l	1.4	500000	
Al	27	45	He	41197.691	ug/l	1.6	500000	
K	39	45	He	5091.379	ug/l	1.0	500000	
Ca	40	45	H2	15519.159	ug/l	0.7	1000000	
Ti	47	45	No Gas	1297.029	ug/l	2.2	10000	
V	51	45	He	349.872	ug/l	0.1	5000	
Cr	52	45	He	279.696	ug/l	0.4	20000	
Mn	55	45	He	973.852	ug/l	1.1	20000	
Fe	56	45	H2	209179.978	ug/l	1.2	500000	
Co	59	45	He	35.700	ug/l	1.5	2000	
Ni	60	45	He	90.170	ug/l	1.8	20000	
Cu	63	45	He	175.320	ug/l	1.4	20000	
Zn	66	45	He	1331.737	ug/l	1.7	20000	
As	75	74	He	355.349	ug/l	2.9	5000	
Se	78	74	H2	11.648	ug/l	2.2	3000	
Sr	88	115	He	481.299	ug/l	1.8	5000	
Mo	95	115	He	20.393	ug/l	0.5	2000	
Ag	107	115	He	0.896	ug/l	2.3	1000	
Cd	111	115	He	4.745	ug/l	3.3	5000	
Sn	118	115	He	67.181	ug/l	1.8	2000	
Sb	121	115	He	7.563	ug/l	3.4	1000	
Ba	137	159	He	832.291	ug/l	0.7	20000	
Tl	205	209	He	3.839	ug/l	2.3	1000	
[Pb]	206	209	He	694.135	ug/l	1.9		
[Pb]	207	209	He	662.179	ug/l	1.6		
Pb	208	209	He	677.079	ug/l	1.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4722217.26	1.2	93.5	60	125	
Sc (ISICPMS)	45	No Gas	5051135.93	1.8	104.1	60	125	
Sc (ISICPMS)	45	H2	1356718.64	0.9	105.4	60	125	
Sc (ISICPMS)	45	He	49279.02	0.6	105.4	60	125	
Ge (IS)	74	H2	248843.98	0.3	107.6	60	125	
Ge (IS)	74	He	30261.07	1.3	110.8	60	125	
Kr	83	He	16.68	69.3				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	62955.51	0.7	102.3	60	125	
Tb (IS)	159	He	350350.12	0.6	103.4	60	125	
Bi (IS)	209	He	269701.01	1.2	104.5	60	125	

DRAFT

Sample Report

File Name 108SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 15:50:54

Sample Name **460-307050-A-1-B**

Comment ---

Dilution **1.0000**

Vial # 3209

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	3.241	ug/l	6.4	2000	
B	11	6	No Gas	55.801	ug/l	1.3	2000	
Na	23	45	He	1804.070	ug/l	2.0	500000	
Mg	24	45	He	117280.856	ug/l	0.9	500000	
Al	27	45	He	64306.925	ug/l	1.0	500000	
K	39	45	He	22624.834	ug/l	1.0	500000	
Ca	40	45	H2	526560.167	ug/l	1.7	1000000	
Ti	47	45	No Gas	5805.902	ug/l	0.8	10000	
V	51	45	He	227.359	ug/l	0.5	5000	
Cr	52	45	He	179.070	ug/l	1.3	20000	
Mn	55	45	He	2979.432	ug/l	0.9	20000	
Fe	56	45	H2	225576.230	ug/l	0.9	500000	
Co	59	45	He	66.913	ug/l	0.8	2000	
Ni	60	45	He	189.292	ug/l	1.2	20000	
Cu	63	45	He	468.596	ug/l	0.6	20000	
Zn	66	45	He	8762.698	ug/l	1.4	20000	
As	75	74	He	80.270	ug/l	3.9	5000	
Se	78	74	H2	5.636	ug/l	12.2	3000	
Sr	88	115	He	1132.788	ug/l	0.7	5000	
Mo	95	115	He	16.043	ug/l	4.2	2000	
Ag	107	115	He	1.495	ug/l	4.2	1000	
Cd	111	115	He	7.221	ug/l	5.8	5000	
Sn	118	115	He	227.681	ug/l	2.2	2000	
Sb	121	115	He	72.964	ug/l	2.3	1000	
Ba	137	159	He	18388.576	ug/l	0.4	20000	>LDR 200.8
Tl	205	209	He	2.022	ug/l	1.5	1000	
[Pb]	206	209	He	8612.102	ug/l	0.3		
[Pb]	207	209	He	8455.609	ug/l	0.5		
Pb	208	209	He	8494.411	ug/l	0.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4598408.58	1.3	91.1	60	125	
Sc (ISICPMS)	45	No Gas	4974684.58	0.7	102.6	60	125	
Sc (ISICPMS)	45	H2	1357716.40	0.2	105.5	60	125	
Sc (ISICPMS)	45	He	49962.34	1.2	106.8	60	125	
Ge (IS)	74	H2	240489.23	1.1	104.0	60	125	
Ge (IS)	74	He	30100.55	1.4	110.2	60	125	
Kr	83	He	26.69	78.1				

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Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	61329.23	1.0	99.6	60	125	
Tb (IS)	159	He	349633.66	1.0	103.2	60	125	
Bi (IS)	209	He	258968.47	0.6	100.4	60	125	

DRAFT

Sample Report

File Name 109SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 15:53:26

Sample Name **460-307050-A-2-B**

Comment ---

Dilution **1.0000**

Vial # 3210

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	7.203	ug/l	1.3	2000	
B	11	6	No Gas	37.963	ug/l	0.6	2000	
Na	23	45	He	2120.551	ug/l	2.8	500000	
Mg	24	45	He	347763.590	ug/l	1.7	500000	
Al	27	45	He	64872.986	ug/l	0.8	500000	
K	39	45	He	14859.924	ug/l	1.5	500000	
Ca	40	45	H2	727187.156	ug/l	1.9	1000000	
Ti	47	45	No Gas	3724.560	ug/l	0.8	10000	
V	51	45	He	239.921	ug/l	0.9	5000	
Cr	52	45	He	148.153	ug/l	0.9	20000	
Mn	55	45	He	2659.147	ug/l	0.7	20000	
Fe	56	45	H2	166832.057	ug/l	0.7	500000	
Co	59	45	He	51.692	ug/l	1.5	2000	
Ni	60	45	He	136.344	ug/l	1.7	20000	
Cu	63	45	He	379.039	ug/l	1.3	20000	
Zn	66	45	He	2422.746	ug/l	1.4	20000	
As	75	74	He	46.682	ug/l	2.6	5000	
Se	78	74	H2	2.835	ug/l	21.7	3000	
Sr	88	115	He	784.521	ug/l	0.1	5000	
Mo	95	115	He	10.371	ug/l	1.5	2000	
Ag	107	115	He	0.955	ug/l	10.4	1000	
Cd	111	115	He	4.276	ug/l	22.4	5000	
Sn	118	115	He	82.927	ug/l	0.9	2000	
Sb	121	115	He	3.056	ug/l	3.3	1000	
Ba	137	159	He	2521.480	ug/l	1.1	20000	
Tl	205	209	He	2.150	ug/l	4.0	1000	
[Pb]	206	209	He	2229.248	ug/l	0.6		
[Pb]	207	209	He	2185.191	ug/l	0.2		
Pb	208	209	He	2194.666	ug/l	0.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4698291.39	0.7	93.1	60	125	
Sc (ISICPMS)	45	No Gas	5215853.29	0.9	107.5	60	125	
Sc (ISICPMS)	45	H2	1390041.25	1.7	108.0	60	125	
Sc (ISICPMS)	45	He	49792.97	1.2	106.5	60	125	
Ge (IS)	74	H2	241688.29	0.7	104.5	60	125	
Ge (IS)	74	He	28970.33	0.7	106.0	60	125	
Kr	83	He	30.03	88.2				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	60664.74	0.8	98.5	60	125	
Tb (IS)	159	He	343310.84	0.2	101.4	60	125	
Bi (IS)	209	He	244067.68	0.5	94.6	60	125	

DRAFT

Sample Report

File Name 110SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 15:55:59

Sample Name **460-307050-A-3-B**

Comment ---

Dilution **1.0000**

Vial # 3211

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	3.412	ug/l	2.2	2000	
B	11	6	No Gas	36.883	ug/l	0.8	2000	
Na	23	45	He	1756.037	ug/l	1.6	500000	
Mg	24	45	He	7512.192	ug/l	0.5	500000	
Al	27	45	He	31821.052	ug/l	0.2	500000	
K	39	45	He	7346.059	ug/l	1.9	500000	
Ca	40	45	H2	28702.740	ug/l	1.2	1000000	
Ti	47	45	No Gas	2264.810	ug/l	2.1	10000	
V	51	45	He	244.669	ug/l	0.7	5000	
Cr	52	45	He	239.984	ug/l	0.5	20000	
Mn	55	45	He	1029.963	ug/l	1.3	20000	
Fe	56	45	H2	256381.216	ug/l	1.5	500000	
Co	59	45	He	53.648	ug/l	0.3	2000	
Ni	60	45	He	184.064	ug/l	0.8	20000	
Cu	63	45	He	1330.123	ug/l	0.5	20000	
Zn	66	45	He	4370.345	ug/l	0.7	20000	
As	75	74	He	93.076	ug/l	2.2	5000	
Se	78	74	H2	10.031	ug/l	6.7	3000	
Sr	88	115	He	417.302	ug/l	1.4	5000	
Mo	95	115	He	68.428	ug/l	1.2	2000	
Ag	107	115	He	3.226	ug/l	1.9	1000	
Cd	111	115	He	4.435	ug/l	5.7	5000	
Sn	118	115	He	369.881	ug/l	1.1	2000	
Sb	121	115	He	23.441	ug/l	1.8	1000	
Ba	137	159	He	4228.617	ug/l	1.0	20000	
Tl	205	209	He	0.928	ug/l	7.8	1000	
[Pb]	206	209	He	3186.471	ug/l	0.3		
[Pb]	207	209	He	3070.343	ug/l	0.4		
Pb	208	209	He	3103.925	ug/l	0.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4814815.62	0.6	95.4	60	125	
Sc (ISICPMS)	45	No Gas	5008232.25	0.2	103.3	60	125	
Sc (ISICPMS)	45	H2	1354033.51	1.8	105.2	60	125	
Sc (ISICPMS)	45	He	50153.26	0.8	107.2	60	125	
Ge (IS)	74	H2	244398.38	0.4	105.7	60	125	
Ge (IS)	74	He	30010.24	1.5	109.8	60	125	
Kr	83	He	16.68	69.3				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	63965.79	1.1	103.9	60	125	
Tb (IS)	159	He	355044.26	1.3	104.8	60	125	
Bi (IS)	209	He	266808.15	0.8	103.4	60	125	

DRAFT

Sample Report

File Name 111SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 15:58:31

Sample Name **460-307050-A-4-B**

Comment ---

Dilution **1.0000**

Vial # 3212

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	3.515	ug/l	4.4	2000	
B	11	6	No Gas	34.186	ug/l	1.8	2000	
Na	23	45	He	2025.492	ug/l	0.5	500000	
Mg	24	45	He	209415.360	ug/l	0.9	500000	
Al	27	45	He	51861.491	ug/l	0.8	500000	
K	39	45	He	14283.074	ug/l	0.7	500000	
Ca	40	45	H2	687450.210	ug/l	1.9	1000000	
Ti	47	45	No Gas	3605.508	ug/l	1.7	10000	
V	51	45	He	259.434	ug/l	0.2	5000	
Cr	52	45	He	154.326	ug/l	0.7	20000	
Mn	55	45	He	1716.087	ug/l	0.9	20000	
Fe	56	45	H2	121107.772	ug/l	1.8	500000	
Co	59	45	He	52.951	ug/l	1.0	2000	
Ni	60	45	He	145.428	ug/l	1.2	20000	
Cu	63	45	He	226.119	ug/l	0.8	20000	
Zn	66	45	He	1304.861	ug/l	1.4	20000	
As	75	74	He	34.864	ug/l	8.8	5000	
Se	78	74	H2	1.970	ug/l	16.8	3000	
Sr	88	115	He	1202.891	ug/l	1.0	5000	
Mo	95	115	He	6.791	ug/l	7.6	2000	
Ag	107	115	He	0.998	ug/l	3.0	1000	
Cd	111	115	He	2.337	ug/l	10.8	5000	
Sn	118	115	He	59.761	ug/l	2.7	2000	
Sb	121	115	He	2.238	ug/l	12.1	1000	
Ba	137	159	He	1408.971	ug/l	0.9	20000	
Tl	205	209	He	1.385	ug/l	2.3	1000	
[Pb]	206	209	He	1498.200	ug/l	1.0		
[Pb]	207	209	He	1455.277	ug/l	1.1		
Pb	208	209	He	1551.698	ug/l	1.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4872331.42	1.1	96.5	60	125	
Sc (ISICPMS)	45	No Gas	5215800.65	1.7	107.5	60	125	
Sc (ISICPMS)	45	H2	1428295.72	0.3	111.0	60	125	
Sc (ISICPMS)	45	He	50071.77	0.5	107.1	60	125	
Ge (IS)	74	H2	247171.08	0.4	106.9	60	125	
Ge (IS)	74	He	29876.44	1.5	109.4	60	125	
Kr	83	He	26.69	43.3				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	61688.13	0.9	100.2	60	125	
Tb (IS)	159	He	349358.68	0.3	103.1	60	125	
Bi (IS)	209	He	250976.43	0.3	97.3	60	125	

DRAFT

Sample Report

File Name 112SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 16:01:03

Sample Name **460-307050-A-5-B**

Comment ---

Dilution **1.0000**

Vial # 3301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	3.810	ug/l	1.6	2000	
B	11	6	No Gas	28.084	ug/l	3.6	2000	
Na	23	45	He	1625.590	ug/l	1.1	500000	
Mg	24	45	He	3941.839	ug/l	0.8	500000	
Al	27	45	He	24918.844	ug/l	1.2	500000	
K	39	45	He	2947.785	ug/l	1.1	500000	
Ca	40	45	H2	31825.878	ug/l	0.6	1000000	
Ti	47	45	No Gas	987.556	ug/l	2.2	10000	
V	51	45	He	127.793	ug/l	1.1	5000	
Cr	52	45	He	144.987	ug/l	1.3	20000	
Mn	55	45	He	589.698	ug/l	0.5	20000	
Fe	56	45	H2	55528.320	ug/l	0.7	500000	
Co	59	45	He	46.099	ug/l	2.1	2000	
Ni	60	45	He	96.311	ug/l	1.7	20000	
Cu	63	45	He	662.804	ug/l	1.0	20000	
Zn	66	45	He	13851.621	ug/l	0.3	20000	
As	75	74	He	36.703	ug/l	8.3	5000	
Se	78	74	H2	5.307	ug/l	16.5	3000	
Sr	88	115	He	787.225	ug/l	1.3	5000	
Mo	95	115	He	16.595	ug/l	2.7	2000	
Ag	107	115	He	1.021	ug/l	3.9	1000	
Cd	111	115	He	8.156	ug/l	6.4	5000	
Sn	118	115	He	48.989	ug/l	2.1	2000	
Sb	121	115	He	3.371	ug/l	5.4	1000	
Ba	137	159	He	34444.610	ug/l	0.3	20000	>LDR 6020B□>LDR 200.8
Tl	205	209	He	0.699	ug/l	6.8	1000	
[Pb]	206	209	He	1155.299	ug/l	1.2		
[Pb]	207	209	He	1089.855	ug/l	1.2		
Pb	208	209	He	1176.440	ug/l	1.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5067992.74	0.4	100.4	60	125	
Sc (ISICPMS)	45	No Gas	5195285.83	2.0	107.1	60	125	
Sc (ISICPMS)	45	H2	1392383.57	1.0	108.2	60	125	
Sc (ISICPMS)	45	He	49206.58	1.0	105.2	60	125	
Ge (IS)	74	H2	257316.34	0.3	111.3	60	125	
Ge (IS)	74	He	30969.97	2.6	113.4	60	125	
Kr	83	He	20.02	50.0				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	63807.67	0.8	103.7	60	125	
Tb (IS)	159	He	357412.03	0.4	105.5	60	125	
Bi (IS)	209	He	267265.39	0.8	103.6	60	125	

DRAFT

Sample Report

File Name 113SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 16:03:35

Sample Name **460-307050-A-6-B**

Comment ---

Dilution **1.0000**

Vial # 3302

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	8.744	ug/l	1.0	2000	
B	11	6	No Gas	31.001	ug/l	1.2	2000	
Na	23	45	He	1060.331	ug/l	1.8	500000	
Mg	24	45	He	143990.906	ug/l	1.2	500000	
Al	27	45	He	52967.377	ug/l	1.0	500000	
K	39	45	He	18497.127	ug/l	1.2	500000	
Ca	40	45	H2	282173.841	ug/l	2.2	1000000	
Ti	47	45	No Gas	5868.113	ug/l	0.6	10000	
V	51	45	He	1040.861	ug/l	0.9	5000	
Cr	52	45	He	191.636	ug/l	1.0	20000	
Mn	55	45	He	2170.316	ug/l	1.1	20000	
Fe	56	45	H2	213848.977	ug/l	2.2	500000	
Co	59	45	He	77.497	ug/l	1.0	2000	
Ni	60	45	He	174.855	ug/l	1.5	20000	
Cu	63	45	He	398.250	ug/l	0.5	20000	
Zn	66	45	He	892.794	ug/l	2.2	20000	
As	75	74	He	34.536	ug/l	6.9	5000	
Se	78	74	H2	2.092	ug/l	10.6	3000	
Sr	88	115	He	384.801	ug/l	1.2	5000	
Mo	95	115	He	5.322	ug/l	4.8	2000	
Ag	107	115	He	0.926	ug/l	3.6	1000	
Cd	111	115	He	2.531	ug/l	14.6	5000	
Sn	118	115	He	49.417	ug/l	2.4	2000	
Sb	121	115	He	1.113	ug/l	3.8	1000	
Ba	137	159	He	1601.729	ug/l	1.3	20000	
Tl	205	209	He	2.299	ug/l	1.2	1000	
[Pb]	206	209	He	613.140	ug/l	0.8		
[Pb]	207	209	He	598.115	ug/l	0.5		
Pb	208	209	He	603.603	ug/l	0.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4887869.13	1.7	96.8	60	125	
Sc (ISICPMS)	45	No Gas	5347718.95	1.4	110.3	60	125	
Sc (ISICPMS)	45	H2	1458626.84	0.7	113.3	60	125	
Sc (ISICPMS)	45	He	53353.81	1.0	114.1	60	125	
Ge (IS)	74	H2	248642.71	0.9	107.5	60	125	
Ge (IS)	74	He	30488.57	0.7	111.6	60	125	
Kr	83	He	30.03	88.2				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	64044.85	1.6	104.0	60	125	
Tb (IS)	159	He	364691.63	1.1	107.7	60	125	
Bi (IS)	209	He	258166.93	0.2	100.1	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 114_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 16:06:07

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	100.531	ug/l	1.1	100	90	110	
B	11	6	No Gas	248.420	ug/l	0.3	250	225	275	
Na	23	45	He	25603.300	ug/l	0.8	25000	22500	27500	
Mg	24	45	He	25118.708	ug/l	1.0	25000	22500	27500	
Al	27	45	He	24664.574	ug/l	0.5	25000	22500	27500	
K	39	45	He	25389.956	ug/l	0.6	25000	22500	27500	
Ca	40	45	H2	25441.225	ug/l	2.3	25000	22500	27500	
Ti	47	45	No Gas	98.522	ug/l	0.8	100	90	110	
V	51	45	He	98.863	ug/l	0.7	100	90	110	
Cr	52	45	He	100.619	ug/l	0.8	100	90	110	
Mn	55	45	He	100.280	ug/l	1.7	100	90	110	
Fe	56	45	H2	25621.847	ug/l	1.2	25000	22500	27500	
Co	59	45	He	101.287	ug/l	1.5	100	90	110	
Ni	60	45	He	88.368	ug/l	1.4	100	90	110	failed
Cu	63	45	He	101.683	ug/l	1.2	100	90	110	
Zn	66	45	He	252.138	ug/l	2.3	250	225	275	
As	75	74	He	101.157	ug/l	2.8	100	90	110	
Se	78	74	H2	101.381	ug/l	3.6	100	90	110	
Sr	88	115	He	102.151	ug/l	0.6	100	90	110	
Mo	95	115	He	101.688	ug/l	1.2	100	90	110	
Ag	107	115	He	50.127	ug/l	0.5	50	45	55	
Cd	111	115	He	100.318	ug/l	0.6	100	90	110	
Sn	118	115	He	102.915	ug/l	1.3	100	90	110	
Sb	121	115	He	101.393	ug/l	1.9	100	90	110	
Ba	137	159	He	106.128	ug/l	1.2	100	90	110	
Tl	205	209	He	101.695	ug/l	0.2	100	90	110	
[Pb]	206	209	He	103.198	ug/l	0.8				
[Pb]	207	209	He	101.795	ug/l	0.7				
Pb	208	209	He	102.022	ug/l	0.2	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5134585.62	1.5	101.7	60	125	
Sc (ISICPMS)	45	No Gas	5246996.10	0.9	108.2	60	125	
Sc (ISICPMS)	45	H2	1390785.05	1.1	108.1	60	125	
Sc (ISICPMS)	45	He	50702.97	1.0	108.4	60	125	
Ge (IS)	74	H2	252939.30	0.3	109.4	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	30428.43	0.7	111.4	60	125	
Kr	83	He	3.34	173.2				
In-1	115	He	65435.49	0.6	106.3	60	125	
Tb (IS)	159	He	359806.72	0.4	106.2	60	125	
Bi (IS)	209	He	265500.41	0.1	102.9	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 115_Blk.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 16:08:37

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.009	ug/l	38.8	0.8	-0.8	0.8	
B	11	6	No Gas	3.581	ug/l	5.7	40	-40	40	
Na	23	45	He	-9.933	ug/l	N/A	500	-500	500	
Mg	24	45	He	3.705	ug/l	31.9	200	-200	200	
Al	27	45	He	1.183	ug/l	174.0	40	-40	40	
K	39	45	He	9.581	ug/l	70.6	200	-200	200	
Ca	40	45	H2	16.439	ug/l	3.8	500	-500	500	
Ti	47	45	No Gas	-0.464	ug/l	N/A	4	-4	4	
V	51	45	He	0.033	ug/l	372.1	4	-4	4	
Cr	52	45	He	-0.290	ug/l	N/A	4	-4	4	
Mn	55	45	He	-0.125	ug/l	N/A	8	-8	8	
Fe	56	45	H2	-5.059	ug/l	N/A	60	-60	60	
Co	59	45	He	0.030	ug/l	62.5	4	-4	4	
Ni	60	45	He	-11.514	ug/l	N/A	4	-4	4	> water RL
Cu	63	45	He	0.186	ug/l	42.1	4	-4	4	
Zn	66	45	He	0.490	ug/l	104.6	16	-16	16	
As	75	74	He	0.049	ug/l	219.9	2	-2	2	
Se	78	74	H2	0.049	ug/l	212.7	2.5	-2.5	2.5	
Sr	88	115	He	0.058	ug/l	116.3	4	-4	4	
Mo	95	115	He	0.034	ug/l	169.0	4	-4	4	
Ag	107	115	He	0.009	ug/l	65.4	2	-2	2	
Cd	111	115	He	0.000	ug/l	N/A	2	-2	2	
Sn	118	115	He	0.126	ug/l	254.4	16	-16	16	
Sb	121	115	He	0.123	ug/l	25.5	2	-2	2	
Ba	137	159	He	0.475	ug/l	39.8	4	-4	4	
Tl	205	209	He	-0.006	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.327	ug/l	12.6				
[Pb]	207	209	He	0.351	ug/l	12.6				
Pb	208	209	He	0.332	ug/l	5.9	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	4917305.14	0.9	97.4	60	125	
Sc (ISICPMS)	45	No Gas	5012022.15	0.9	103.3	60	125	
Sc (ISICPMS)	45	H2	1320050.45	1.5	102.6	60	125	
Sc (ISICPMS)	45	He	49370.38	0.5	105.6	60	125	
Ge (IS)	74	H2	237341.54	1.1	102.6	60	125	
Ge (IS)	74	He	29231.05	1.8	107.0	60	125	
Kr	83	He	3.34	173.2				
In-1	115	He	64739.52	1.3	105.2	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	353907.84	0.2	104.5	60	125	
Bi (IS)	209	He	268382.86	0.4	104.0	60	125	

DRAFT

Sample Report

File Name 116SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 16:11:08

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.005	ug/l	189.3	2000	
B	11	6	No Gas	1.722	ug/l	6.9	2000	
Na	23	45	He	-17.778	ug/l	N/A	500000	
Mg	24	45	He	1.479	ug/l	100.4	500000	
Al	27	45	He	-0.816	ug/l	N/A	500000	
K	39	45	He	5.144	ug/l	229.1	500000	
Ca	40	45	H2	10.874	ug/l	5.0	1000000	
Ti	47	45	No Gas	-0.404	ug/l	N/A	10000	
V	51	45	He	-0.066	ug/l	N/A	5000	
Cr	52	45	He	-0.124	ug/l	N/A	20000	
Mn	55	45	He	-0.168	ug/l	N/A	20000	
Fe	56	45	H2	-8.320	ug/l	N/A	500000	
Co	59	45	He	0.019	ug/l	24.8	2000	
Ni	60	45	He	-11.514	ug/l	N/A	20000	
Cu	63	45	He	0.003	ug/l	2775.2	20000	
Zn	66	45	He	0.275	ug/l	90.6	20000	
As	75	74	He	0.016	ug/l	704.6	5000	
Se	78	74	H2	0.029	ug/l	272.3	3000	
Sr	88	115	He	0.134	ug/l	10.2	5000	
Mo	95	115	He	-0.016	ug/l	N/A	2000	
Ag	107	115	He	0.004	ug/l	85.6	1000	
Cd	111	115	He	0.011	ug/l	173.2	5000	
Sn	118	115	He	-0.080	ug/l	N/A	2000	
Sb	121	115	He	0.013	ug/l	182.6	1000	
Ba	137	159	He	0.280	ug/l	55.3	20000	
Tl	205	209	He	-0.041	ug/l	N/A	1000	
[Pb]	206	209	He	0.292	ug/l	17.3		
[Pb]	207	209	He	0.251	ug/l	9.8		
Pb	208	209	He	0.249	ug/l	11.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5095870.55	0.9	100.9	60	125	
Sc (ISICPMS)	45	No Gas	5169539.51	0.4	106.6	60	125	
Sc (ISICPMS)	45	H2	1360147.17	0.5	105.7	60	125	
Sc (ISICPMS)	45	He	48822.83	0.4	104.4	60	125	
Ge (IS)	74	H2	243319.06	0.4	105.2	60	125	
Ge (IS)	74	He	29588.82	1.1	108.3	60	125	
Kr	83	He	0.00	N/A				

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Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	64384.81	0.9	104.6	60	125	
Tb (IS)	159	He	351213.69	0.8	103.7	60	125	
Bi (IS)	209	He	267212.08	1.2	103.6	60	125	

DRAFT

Sample Report

File Name 117SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 16:13:38

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.007	ug/l	50.0	2000	
B	11	6	No Gas	0.860	ug/l	41.8	2000	
Na	23	45	He	-23.559	ug/l	N/A	500000	
Mg	24	45	He	0.526	ug/l	159.4	500000	
Al	27	45	He	1.765	ug/l	112.5	500000	
K	39	45	He	-1.318	ug/l	N/A	500000	
Ca	40	45	H2	9.368	ug/l	4.1	1000000	
Ti	47	45	No Gas	-0.624	ug/l	N/A	10000	
V	51	45	He	-0.065	ug/l	N/A	5000	
Cr	52	45	He	-0.192	ug/l	N/A	20000	
Mn	55	45	He	-0.096	ug/l	N/A	20000	
Fe	56	45	H2	-8.224	ug/l	N/A	500000	
Co	59	45	He	0.001	ug/l	571.7	2000	
Ni	60	45	He	-11.256	ug/l	N/A	20000	
Cu	63	45	He	0.071	ug/l	21.2	20000	
Zn	66	45	He	0.755	ug/l	60.0	20000	
As	75	74	He	-0.075	ug/l	N/A	5000	
Se	78	74	H2	0.029	ug/l	269.9	3000	
Sr	88	115	He	0.058	ug/l	234.9	5000	
Mo	95	115	He	0.026	ug/l	43.1	2000	
Ag	107	115	He	0.004	ug/l	158.9	1000	
Cd	111	115	He	0.021	ug/l	86.6	5000	
Sn	118	115	He	-0.267	ug/l	N/A	2000	
Sb	121	115	He	0.107	ug/l	52.2	1000	
Ba	137	159	He	0.167	ug/l	39.1	20000	
Tl	205	209	He	-0.056	ug/l	N/A	1000	
[Pb]	206	209	He	0.227	ug/l	37.5		
[Pb]	207	209	He	0.194	ug/l	11.6		
Pb	208	209	He	0.221	ug/l	16.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5079811.48	0.6	100.6	60	125	
Sc (ISICPMS)	45	No Gas	5144267.94	0.7	106.1	60	125	
Sc (ISICPMS)	45	H2	1354593.77	0.1	105.2	60	125	
Sc (ISICPMS)	45	He	49104.82	1.4	105.0	60	125	
Ge (IS)	74	H2	242762.81	0.6	105.0	60	125	
Ge (IS)	74	He	28716.16	2.7	105.1	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	65100.88	0.5	105.8	60	125	
Tb (IS)	159	He	355708.91	1.0	105.0	60	125	
Bi (IS)	209	He	270911.69	0.6	105.0	60	125	

DRAFT

Sample Report

File Name 118SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 16:16:09

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.000	ug/l	N/A	2000	
B	11	6	No Gas	0.658	ug/l	13.6	2000	
Na	23	45	He	-16.003	ug/l	N/A	500000	
Mg	24	45	He	1.486	ug/l	194.6	500000	
Al	27	45	He	4.054	ug/l	52.0	500000	
K	39	45	He	-0.369	ug/l	N/A	500000	
Ca	40	45	H2	8.915	ug/l	6.5	1000000	
Ti	47	45	No Gas	-0.535	ug/l	N/A	10000	
V	51	45	He	0.032	ug/l	203.9	5000	
Cr	52	45	He	-0.063	ug/l	N/A	20000	
Mn	55	45	He	-0.318	ug/l	N/A	20000	
Fe	56	45	H2	-8.607	ug/l	N/A	500000	
Co	59	45	He	0.009	ug/l	497.7	2000	
Ni	60	45	He	-11.774	ug/l	N/A	20000	
Cu	63	45	He	0.003	ug/l	1465.1	20000	
Zn	66	45	He	-0.023	ug/l	N/A	20000	
As	75	74	He	0.020	ug/l	768.1	5000	
Se	78	74	H2	-0.072	ug/l	N/A	3000	
Sr	88	115	He	0.049	ug/l	67.0	5000	
Mo	95	115	He	0.011	ug/l	323.9	2000	
Ag	107	115	He	0.000	ug/l	740.4	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	0.255	ug/l	134.6	2000	
Sb	121	115	He	0.034	ug/l	143.0	1000	
Ba	137	159	He	0.096	ug/l	90.1	20000	
Tl	205	209	He	-0.038	ug/l	N/A	1000	
[Pb]	206	209	He	0.148	ug/l	26.4		
[Pb]	207	209	He	0.138	ug/l	12.7		
Pb	208	209	He	0.171	ug/l	13.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5104032.94	1.0	101.1	60	125	
Sc (ISICPMS)	45	No Gas	5152661.59	0.7	106.2	60	125	
Sc (ISICPMS)	45	H2	1345953.98	0.8	104.6	60	125	
Sc (ISICPMS)	45	He	48930.92	1.5	104.6	60	125	
Ge (IS)	74	H2	241511.60	1.0	104.5	60	125	
Ge (IS)	74	He	29221.07	2.2	107.0	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	64929.71	0.7	105.5	60	125	
Tb (IS)	159	He	355183.43	1.3	104.9	60	125	
Bi (IS)	209	He	271945.89	0.9	105.4	60	125	

DRAFT

Sample Report

File Name 119SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 16:18:40

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.003	ug/l	162.3	2000	
B	11	6	No Gas	0.531	ug/l	20.1	2000	
Na	23	45	He	-26.887	ug/l	N/A	500000	
Mg	24	45	He	0.673	ug/l	122.8	500000	
Al	27	45	He	4.256	ug/l	122.7	500000	
K	39	45	He	0.082	ug/l	23006.1	500000	
Ca	40	45	H2	8.417	ug/l	11.5	1000000	
Ti	47	45	No Gas	-0.549	ug/l	N/A	10000	
V	51	45	He	-0.087	ug/l	N/A	5000	
Cr	52	45	He	-0.107	ug/l	N/A	20000	
Mn	55	45	He	0.076	ug/l	136.4	20000	
Fe	56	45	H2	-9.594	ug/l	N/A	500000	
Co	59	45	He	0.014	ug/l	23.6	2000	
Ni	60	45	He	-11.262	ug/l	N/A	20000	
Cu	63	45	He	0.078	ug/l	38.0	20000	
Zn	66	45	He	-0.040	ug/l	N/A	20000	
As	75	74	He	0.050	ug/l	116.7	5000	
Se	78	74	H2	-0.022	ug/l	N/A	3000	
Sr	88	115	He	0.003	ug/l	1888.2	5000	
Mo	95	115	He	-0.052	ug/l	N/A	2000	
Ag	107	115	He	-0.001	ug/l	N/A	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	0.102	ug/l	224.0	2000	
Sb	121	115	He	0.118	ug/l	22.1	1000	
Ba	137	159	He	0.241	ug/l	58.5	20000	
Tl	205	209	He	-0.050	ug/l	N/A	1000	
[Pb]	206	209	He	0.134	ug/l	40.3		
[Pb]	207	209	He	0.174	ug/l	14.4		
Pb	208	209	He	0.171	ug/l	13.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5129119.68	1.1	101.6	60	125	
Sc (ISICPMS)	45	No Gas	5071509.09	0.7	104.6	60	125	
Sc (ISICPMS)	45	H2	1352241.73	1.1	105.1	60	125	
Sc (ISICPMS)	45	He	49314.75	1.1	105.5	60	125	
Ge (IS)	74	H2	243690.29	1.2	105.4	60	125	
Ge (IS)	74	He	29301.29	1.2	107.2	60	125	
Kr	83	He	3.34	173.2				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	64709.08	0.8	105.1	60	125	
Tb (IS)	159	He	353016.72	0.5	104.2	60	125	
Bi (IS)	209	He	269679.26	0.0	104.5	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 120_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 19:07:13

Sample Name **rn chk**

Comment ---

Dilution 1.0000

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	-0.006	ug/l	N/A	100	90	110	failed
B	11	6	No Gas	-1.251	ug/l	N/A	250	225	275	failed
Na	23	45	He	-42.434	ug/l	N/A	25000	22500	27500	failed
Mg	24	45	He	-0.833	ug/l	N/A	25000	22500	27500	failed
Al	27	45	He	0.677	ug/l	504.4	25000	22500	27500	failed
K	39	45	He	-10.304	ug/l	N/A	25000	22500	27500	failed
Ca	40	45	H2	-0.932	ug/l	N/A	25000	22500	27500	failed
Ti	47	45	No Gas	-0.154	ug/l	N/A	100	90	110	failed
V	51	45	He	-0.043	ug/l	N/A	100	90	110	failed
Cr	52	45	He	-0.301	ug/l	N/A	100	90	110	failed
Mn	55	45	He	-0.604	ug/l	N/A	100	90	110	failed
Fe	56	45	H2	-14.986	ug/l	N/A	25000	22500	27500	failed
Co	59	45	He	-0.024	ug/l	N/A	100	90	110	failed
Ni	60	45	He	-13.083	ug/l	N/A	100	90	110	failed
Cu	63	45	He	-0.079	ug/l	N/A	100	90	110	failed
Zn	66	45	He	-0.169	ug/l	N/A	250	225	275	failed
As	75	74	He	0.000	ug/l	N/A	100	90	110	failed
Se	78	74	H2	-0.053	ug/l	N/A	100	90	110	failed
Sr	88	115	He	0.076	ug/l	101.8	100	90	110	failed
Mo	95	115	He	0.040	ug/l	150.5	100	90	110	failed
Ag	107	115	He	-0.002	ug/l	N/A	50	45	55	failed
Cd	111	115	He	0.011	ug/l	173.2	100	90	110	failed
Sn	118	115	He	-0.186	ug/l	N/A	100	90	110	failed
Sb	121	115	He	0.065	ug/l	30.5	100	90	110	failed
Ba	137	159	He	-0.003	ug/l	N/A	100	90	110	failed
Tl	205	209	He	-0.057	ug/l	N/A	100	90	110	failed
[Pb]	206	209	He	-0.010	ug/l	N/A				
[Pb]	207	209	He	-0.010	ug/l	N/A				
Pb	208	209	He	-0.005	ug/l	N/A	100	90	110	failed

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5697644.29	1.3	112.9	60	125	
Sc (ISICPMS)	45	No Gas	5009130.62	1.4	103.3	60	125	
Sc (ISICPMS)	45	H2	1272685.23	0.5	98.9	60	125	
Sc (ISICPMS)	45	He	47296.45	1.4	101.1	60	125	
Ge (IS)	74	H2	230565.11	0.4	99.7	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	27278.40	1.4	99.8	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	62255.16	0.8	101.1	60	125	
Tb (IS)	159	He	337606.50	0.7	99.7	60	125	
Bi (IS)	209	He	255501.61	0.6	99.0	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 121_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 19:09:43

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	94.171	ug/l	1.0	100	90	110	
B	11	6	No Gas	234.349	ug/l	0.8	250	225	275	
Na	23	45	He	25503.804	ug/l	1.1	25000	22500	27500	
Mg	24	45	He	25385.962	ug/l	0.6	25000	22500	27500	
Al	27	45	He	26019.422	ug/l	0.7	25000	22500	27500	
K	39	45	He	25339.812	ug/l	0.5	25000	22500	27500	
Ca	40	45	H2	25218.587	ug/l	0.4	25000	22500	27500	
Ti	47	45	No Gas	98.523	ug/l	1.4	100	90	110	
V	51	45	He	98.310	ug/l	0.8	100	90	110	
Cr	52	45	He	98.403	ug/l	1.1	100	90	110	
Mn	55	45	He	100.315	ug/l	1.1	100	90	110	
Fe	56	45	H2	25363.148	ug/l	0.8	25000	22500	27500	
Co	59	45	He	97.809	ug/l	1.3	100	90	110	
Ni	60	45	He	85.825	ug/l	2.6	100	90	110	failed
Cu	63	45	He	98.274	ug/l	0.9	100	90	110	
Zn	66	45	He	253.260	ug/l	1.7	250	225	275	
As	75	74	He	98.536	ug/l	1.5	100	90	110	
Se	78	74	H2	96.714	ug/l	1.8	100	90	110	
Sr	88	115	He	101.864	ug/l	1.4	100	90	110	
Mo	95	115	He	100.262	ug/l	0.5	100	90	110	
Ag	107	115	He	49.278	ug/l	0.4	50	45	55	
Cd	111	115	He	99.967	ug/l	1.6	100	90	110	
Sn	118	115	He	101.698	ug/l	2.0	100	90	110	
Sb	121	115	He	101.610	ug/l	1.8	100	90	110	
Ba	137	159	He	101.319	ug/l	1.0	100	90	110	
Tl	205	209	He	98.804	ug/l	1.7	100	90	110	
[Pb]	206	209	He	100.120	ug/l	1.3				
[Pb]	207	209	He	98.543	ug/l	1.6				
Pb	208	209	He	99.374	ug/l	0.7	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5685688.60	0.8	112.6	60	125	
Sc (ISICPMS)	45	No Gas	4952661.66	1.0	102.1	60	125	
Sc (ISICPMS)	45	H2	1267844.84	0.8	98.5	60	125	
Sc (ISICPMS)	45	He	48090.21	1.4	102.8	60	125	
Ge (IS)	74	H2	235121.49	0.4	101.7	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	28579.09	2.6	104.6	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	61886.22	1.5	100.5	60	125	
Tb (IS)	159	He	344948.33	0.9	101.8	60	125	
Bi (IS)	209	He	256310.39	1.3	99.3	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 122_Blk.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 19:12:13

Sample Name **CCB**

Comment ---

Dilution 1.0000

Analyte Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.003	ug/l	42.4	0.8	-0.8	0.8	
B	11	6	No Gas	0.361	ug/l	25.3	40	-40	40	
Na	23	45	He	-20.806	ug/l	N/A	500	-500	500	
Mg	24	45	He	-0.932	ug/l	N/A	200	-200	200	
Al	27	45	He	-0.406	ug/l	N/A	40	-40	40	
K	39	45	He	-20.294	ug/l	N/A	200	-200	200	
Ca	40	45	H2	3.803	ug/l	18.7	500	-500	500	
Ti	47	45	No Gas	0.062	ug/l	222.5	4	-4	4	
V	51	45	He	0.039	ug/l	41.1	4	-4	4	
Cr	52	45	He	-0.124	ug/l	N/A	4	-4	4	
Mn	55	45	He	-0.605	ug/l	N/A	8	-8	8	
Fe	56	45	H2	-12.112	ug/l	N/A	60	-60	60	
Co	59	45	He	-0.010	ug/l	N/A	4	-4	4	
Ni	60	45	He	-13.145	ug/l	N/A	4	-4	4	> water RL
Cu	63	45	He	-0.166	ug/l	N/A	4	-4	4	
Zn	66	45	He	-0.090	ug/l	N/A	16	-16	16	
As	75	74	He	0.054	ug/l	100.9	2	-2	2	
Se	78	74	H2	0.048	ug/l	319.6	2.5	-2.5	2.5	
Sr	88	115	He	-0.033	ug/l	N/A	4	-4	4	
Mo	95	115	He	0.028	ug/l	154.0	4	-4	4	
Ag	107	115	He	-0.005	ug/l	N/A	2	-2	2	
Cd	111	115	He	0.011	ug/l	173.2	2	-2	2	
Sn	118	115	He	-0.934	ug/l	N/A	16	-16	16	
Sb	121	115	He	0.056	ug/l	49.3	2	-2	2	
Ba	137	159	He	-0.084	ug/l	N/A	4	-4	4	
Tl	205	209	He	-0.031	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	-0.021	ug/l	N/A				
[Pb]	207	209	He	0.060	ug/l	62.5				
Pb	208	209	He	0.020	ug/l	21.1	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5679458.74	1.0	112.5	60	125	
Sc (ISICPMS)	45	No Gas	4991886.42	0.3	102.9	60	125	
Sc (ISICPMS)	45	H2	1289582.28	1.4	100.2	60	125	
Sc (ISICPMS)	45	He	48442.57	1.0	103.6	60	125	
Ge (IS)	74	H2	238300.60	1.1	103.1	60	125	
Ge (IS)	74	He	28749.60	1.3	105.2	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	64147.99	0.2	104.2	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	351301.06	1.0	103.7	60	125	
Bi (IS)	209	He	263800.37	0.6	102.2	60	125	

DRAFT

Sample Report

File Name 123SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 19:31:21

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.000	ug/l	2140.6	2000	
B	11	6	No Gas	-1.057	ug/l	N/A	2000	
Na	23	45	He	-47.521	ug/l	N/A	500000	
Mg	24	45	He	-0.193	ug/l	N/A	500000	
Al	27	45	He	0.595	ug/l	359.1	500000	
K	39	45	He	-12.092	ug/l	N/A	500000	
Ca	40	45	H2	0.326	ug/l	95.0	1000000	
Ti	47	45	No Gas	-0.151	ug/l	N/A	10000	
V	51	45	He	-0.034	ug/l	N/A	5000	
Cr	52	45	He	-0.124	ug/l	N/A	20000	
Mn	55	45	He	-0.507	ug/l	N/A	20000	
Fe	56	45	H2	-15.103	ug/l	N/A	500000	
Co	59	45	He	-0.029	ug/l	N/A	2000	
Ni	60	45	He	-13.337	ug/l	N/A	20000	
Cu	63	45	He	-0.121	ug/l	N/A	20000	
Zn	66	45	He	-0.220	ug/l	N/A	20000	
As	75	74	He	-0.172	ug/l	N/A	5000	
Se	78	74	H2	-0.002	ug/l	N/A	3000	
Sr	88	115	He	0.021	ug/l	148.6	5000	
Mo	95	115	He	-0.009	ug/l	N/A	2000	
Ag	107	115	He	-0.004	ug/l	N/A	1000	
Cd	111	115	He	0.021	ug/l	86.6	5000	
Sn	118	115	He	-0.186	ug/l	N/A	2000	
Sb	121	115	He	0.018	ug/l	266.3	1000	
Ba	137	159	He	-0.083	ug/l	N/A	20000	
Tl	205	209	He	-0.059	ug/l	N/A	1000	
[Pb]	206	209	He	-0.035	ug/l	N/A		
[Pb]	207	209	He	0.004	ug/l	124.6		
Pb	208	209	He	0.001	ug/l	735.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5695187.55	0.8	112.8	60	125	
Sc (ISICPMS)	45	No Gas	5016680.10	1.7	103.4	60	125	
Sc (ISICPMS)	45	H2	1277323.86	0.8	99.2	60	125	
Sc (ISICPMS)	45	He	48742.65	0.6	104.2	60	125	
Ge (IS)	74	H2	235223.18	0.3	101.7	60	125	
Ge (IS)	74	He	28067.46	1.4	102.7	60	125	
Kr	83	He	3.34	173.2				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	64896.48	0.3	105.4	60	125	
Tb (IS)	159	He	349955.32	0.5	103.3	60	125	
Bi (IS)	209	He	266507.20	1.1	103.3	60	125	

DRAFT

Sample Report

File Name 124SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 19:33:51

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.002	ug/l	N/A	2000	
B	11	6	No Gas	-1.309	ug/l	N/A	2000	
Na	23	45	He	-50.554	ug/l	N/A	500000	
Mg	24	45	He	-0.841	ug/l	N/A	500000	
Al	27	45	He	-0.376	ug/l	N/A	500000	
K	39	45	He	-13.613	ug/l	N/A	500000	
Ca	40	45	H2	-0.055	ug/l	N/A	1000000	
Ti	47	45	No Gas	-0.094	ug/l	N/A	10000	
V	51	45	He	-0.021	ug/l	N/A	5000	
Cr	52	45	He	-0.159	ug/l	N/A	20000	
Mn	55	45	He	-0.655	ug/l	N/A	20000	
Fe	56	45	H2	-14.844	ug/l	N/A	500000	
Co	59	45	He	-0.037	ug/l	N/A	2000	
Ni	60	45	He	-13.329	ug/l	N/A	20000	
Cu	63	45	He	-0.132	ug/l	N/A	20000	
Zn	66	45	He	-0.210	ug/l	N/A	20000	
As	75	74	He	-0.104	ug/l	N/A	5000	
Se	78	74	H2	0.032	ug/l	95.8	3000	
Sr	88	115	He	-0.032	ug/l	N/A	5000	
Mo	95	115	He	0.005	ug/l	364.9	2000	
Ag	107	115	He	0.001	ug/l	1564.0	1000	
Cd	111	115	He	0.011	ug/l	173.2	5000	
Sn	118	115	He	0.119	ug/l	513.0	2000	
Sb	121	115	He	0.020	ug/l	92.9	1000	
Ba	137	159	He	-0.026	ug/l	N/A	20000	
Tl	205	209	He	-0.061	ug/l	N/A	1000	
[Pb]	206	209	He	-0.023	ug/l	N/A		
[Pb]	207	209	He	0.003	ug/l	1578.9		
Pb	208	209	He	-0.003	ug/l	N/A	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5672635.61	0.7	112.4	60	125	
Sc (ISICPMS)	45	No Gas	4939203.02	1.3	101.8	60	125	
Sc (ISICPMS)	45	H2	1295207.53	1.5	100.6	60	125	
Sc (ISICPMS)	45	He	48074.78	1.4	102.8	60	125	
Ge (IS)	74	H2	237207.91	1.1	102.6	60	125	
Ge (IS)	74	He	28094.17	3.4	102.8	60	125	
Kr	83	He	3.34	173.2				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	63231.28	1.0	102.7	60	125	
Tb (IS)	159	He	346456.28	1.2	102.3	60	125	
Bi (IS)	209	He	262193.37	0.4	101.6	60	125	

DRAFT

Sample Report

File Name 125SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 19:36:22

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.002	ug/l	N/A	2000	
B	11	6	No Gas	-1.184	ug/l	N/A	2000	
Na	23	45	He	-46.312	ug/l	N/A	500000	
Mg	24	45	He	-0.521	ug/l	N/A	500000	
Al	27	45	He	0.168	ug/l	691.4	500000	
K	39	45	He	-15.088	ug/l	N/A	500000	
Ca	40	45	H2	-0.308	ug/l	N/A	1000000	
Ti	47	45	No Gas	-0.042	ug/l	N/A	10000	
V	51	45	He	-0.138	ug/l	N/A	5000	
Cr	52	45	He	-0.246	ug/l	N/A	20000	
Mn	55	45	He	-0.538	ug/l	N/A	20000	
Fe	56	45	H2	-14.727	ug/l	N/A	500000	
Co	59	45	He	-0.027	ug/l	N/A	2000	
Ni	60	45	He	-13.304	ug/l	N/A	20000	
Cu	63	45	He	-0.091	ug/l	N/A	20000	
Zn	66	45	He	0.208	ug/l	470.6	20000	
As	75	74	He	-0.039	ug/l	N/A	5000	
Se	78	74	H2	0.032	ug/l	252.4	3000	
Sr	88	115	He	-0.012	ug/l	N/A	5000	
Mo	95	115	He	-0.010	ug/l	N/A	2000	
Ag	107	115	He	0.002	ug/l	262.3	1000	
Cd	111	115	He	0.011	ug/l	173.2	5000	
Sn	118	115	He	0.343	ug/l	319.6	2000	
Sb	121	115	He	0.026	ug/l	110.7	1000	
Ba	137	159	He	-0.027	ug/l	N/A	20000	
Tl	205	209	He	-0.054	ug/l	N/A	1000	
[Pb]	206	209	He	-0.036	ug/l	N/A		
[Pb]	207	209	He	0.025	ug/l	92.8		
Pb	208	209	He	-0.001	ug/l	N/A	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5737021.72	0.4	113.6	60	125	
Sc (ISICPMS)	45	No Gas	4930235.45	0.5	101.6	60	125	
Sc (ISICPMS)	45	H2	1289282.66	0.2	100.2	60	125	
Sc (ISICPMS)	45	He	48120.39	1.5	102.9	60	125	
Ge (IS)	74	H2	238177.61	0.5	103.0	60	125	
Ge (IS)	74	He	27950.44	1.2	102.3	60	125	
Kr	83	He	0.00	N/A				

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Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	63106.42	0.7	102.5	60	125	
Tb (IS)	159	He	347786.59	0.5	102.7	60	125	
Bi (IS)	209	He	261960.87	0.3	101.5	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 126_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 19:38:53

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	98.410	ug/l	0.9	100	90	110	
B	11	6	No Gas	241.800	ug/l	1.2	250	225	275	
Na	23	45	He	25815.070	ug/l	0.1	25000	22500	27500	
Mg	24	45	He	26054.513	ug/l	0.8	25000	22500	27500	
Al	27	45	He	26421.731	ug/l	1.3	25000	22500	27500	
K	39	45	He	25924.796	ug/l	0.8	25000	22500	27500	
Ca	40	45	H2	26062.590	ug/l	1.3	25000	22500	27500	
Ti	47	45	No Gas	103.588	ug/l	1.8	100	90	110	
V	51	45	He	101.170	ug/l	0.4	100	90	110	
Cr	52	45	He	100.184	ug/l	1.7	100	90	110	
Mn	55	45	He	103.740	ug/l	2.3	100	90	110	
Fe	56	45	H2	26033.095	ug/l	1.1	25000	22500	27500	
Co	59	45	He	101.506	ug/l	0.6	100	90	110	
Ni	60	45	He	86.849	ug/l	0.7	100	90	110	failed
Cu	63	45	He	102.279	ug/l	0.1	100	90	110	
Zn	66	45	He	260.643	ug/l	1.1	250	225	275	
As	75	74	He	106.642	ug/l	3.8	100	90	110	
Se	78	74	H2	100.152	ug/l	1.4	100	90	110	
Sr	88	115	He	103.827	ug/l	1.4	100	90	110	
Mo	95	115	He	100.528	ug/l	0.2	100	90	110	
Ag	107	115	He	49.919	ug/l	0.8	50	45	55	
Cd	111	115	He	101.523	ug/l	1.9	100	90	110	
Sn	118	115	He	104.858	ug/l	2.6	100	90	110	
Sb	121	115	He	102.038	ug/l	2.0	100	90	110	
Ba	137	159	He	104.866	ug/l	2.3	100	90	110	
Tl	205	209	He	101.690	ug/l	1.2	100	90	110	
[Pb]	206	209	He	103.404	ug/l	1.5				
[Pb]	207	209	He	102.800	ug/l	0.8				
Pb	208	209	He	102.542	ug/l	0.6	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5657834.71	0.3	112.1	60	125	
Sc (ISICPMS)	45	No Gas	4904311.14	1.0	101.1	60	125	
Sc (ISICPMS)	45	H2	1287516.65	0.7	100.0	60	125	
Sc (ISICPMS)	45	He	48394.68	0.4	103.5	60	125	
Ge (IS)	74	H2	242875.80	1.5	105.0	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	28913.41	1.9	105.8	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	63230.63	1.0	102.7	60	125	
Tb (IS)	159	He	350277.85	0.5	103.4	60	125	
Bi (IS)	209	He	258139.00	0.9	100.0	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 127_Blk.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 19:41:23

Sample Name **CCB**

Comment ---

Dilution 1.0000

Analyte Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.001	ug/l	561.7	0.8	-0.8	0.8	
B	11	6	No Gas	0.639	ug/l	28.7	40	-40	40	
Na	23	45	He	-29.673	ug/l	N/A	500	-500	500	
Mg	24	45	He	-1.052	ug/l	N/A	200	-200	200	
Al	27	45	He	2.470	ug/l	230.6	40	-40	40	
K	39	45	He	-22.927	ug/l	N/A	200	-200	200	
Ca	40	45	H2	3.196	ug/l	10.0	500	-500	500	
Ti	47	45	No Gas	0.035	ug/l	209.4	4	-4	4	
V	51	45	He	-0.059	ug/l	N/A	4	-4	4	
Cr	52	45	He	0.066	ug/l	124.3	4	-4	4	
Mn	55	45	He	-0.648	ug/l	N/A	8	-8	8	
Fe	56	45	H2	-12.174	ug/l	N/A	60	-60	60	
Co	59	45	He	-0.015	ug/l	N/A	4	-4	4	
Ni	60	45	He	-13.516	ug/l	N/A	4	-4	4	> water RL
Cu	63	45	He	-0.294	ug/l	N/A	4	-4	4	
Zn	66	45	He	-0.800	ug/l	N/A	16	-16	16	
As	75	74	He	-0.173	ug/l	N/A	2	-2	2	
Se	78	74	H2	0.098	ug/l	139.1	2.5	-2.5	2.5	
Sr	88	115	He	0.061	ug/l	29.2	4	-4	4	
Mo	95	115	He	0.028	ug/l	157.7	4	-4	4	
Ag	107	115	He	-0.002	ug/l	N/A	2	-2	2	
Cd	111	115	He	0.032	ug/l	1.6	2	-2	2	
Sn	118	115	He	-0.762	ug/l	N/A	16	-16	16	
Sb	121	115	He	0.098	ug/l	59.9	2	-2	2	
Ba	137	159	He	0.006	ug/l	2777.3	4	-4	4	
Tl	205	209	He	-0.031	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	-0.005	ug/l	N/A				
[Pb]	207	209	He	0.009	ug/l	280.5				
Pb	208	209	He	0.020	ug/l	38.6	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5678443.66	0.5	112.5	60	125	
Sc (ISICPMS)	45	No Gas	4975188.85	0.4	102.6	60	125	
Sc (ISICPMS)	45	H2	1296733.28	1.4	100.7	60	125	
Sc (ISICPMS)	45	He	48868.45	0.4	104.5	60	125	
Ge (IS)	74	H2	241261.22	0.9	104.3	60	125	
Ge (IS)	74	He	28341.68	2.1	103.7	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	64115.29	1.6	104.2	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	353041.22	0.8	104.2	60	125	
Bi (IS)	209	He	264215.35	0.2	102.4	60	125	

DRAFT

Sample Report

File Name 128SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 19:43:54

Sample Name **460-306482-H-12-A**

Comment FB

Dilution **1.0000**

Vial # 2101

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.002	ug/l	133.4	2000	
B	11	6	No Gas	23.475	ug/l	1.7	2000	
Na	23	45	He	720.704	ug/l	0.7	500000	
Mg	24	45	He	2.074	ug/l	50.2	500000	
Al	27	45	He	12.187	ug/l	11.5	500000	
K	39	45	He	-21.599	ug/l	N/A	500000	
Ca	40	45	H2	19.910	ug/l	2.3	1000000	
Ti	47	45	No Gas	-0.198	ug/l	N/A	10000	
V	51	45	He	-0.021	ug/l	N/A	5000	
Cr	52	45	He	-0.052	ug/l	N/A	20000	
Mn	55	45	He	-0.426	ug/l	N/A	20000	
Fe	56	45	H2	-5.590	ug/l	N/A	500000	
Co	59	45	He	-0.017	ug/l	N/A	2000	
Ni	60	45	He	-12.159	ug/l	N/A	20000	
Cu	63	45	He	5.438	ug/l	7.1	20000	
Zn	66	45	He	5.404	ug/l	16.3	20000	
As	75	74	He	-0.009	ug/l	N/A	5000	
Se	78	74	H2	-0.023	ug/l	N/A	3000	
Sr	88	115	He	0.052	ug/l	124.4	5000	
Mo	95	115	He	-0.028	ug/l	N/A	2000	
Ag	107	115	He	0.003	ug/l	177.0	1000	
Cd	111	115	He	0.011	ug/l	173.2	5000	
Sn	118	115	He	-1.053	ug/l	N/A	2000	
Sb	121	115	He	0.094	ug/l	26.8	1000	
Ba	137	159	He	0.028	ug/l	203.1	20000	
Tl	205	209	He	-0.047	ug/l	N/A	1000	
[Pb]	206	209	He	0.140	ug/l	16.9		
[Pb]	207	209	He	0.172	ug/l	31.0		
Pb	208	209	He	0.160	ug/l	8.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5667832.55	0.3	112.3	60	125	
Sc (ISICPMS)	45	No Gas	4934579.44	0.9	101.7	60	125	
Sc (ISICPMS)	45	H2	1309280.10	1.0	101.7	60	125	
Sc (ISICPMS)	45	He	48079.16	0.8	102.8	60	125	
Ge (IS)	74	H2	244591.82	0.3	105.8	60	125	
Ge (IS)	74	He	28542.26	1.5	104.5	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	63927.54	0.5	103.8	60	125	
Tb (IS)	159	He	347896.32	0.9	102.7	60	125	
Bi (IS)	209	He	264939.08	0.2	102.7	60	125	

DRAFT

Sample Report

File Name 129SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 19:46:23

Sample Name **Scan 460-306482-H-12**

Comment FB

Dilution **1.0000**

Vial # 2102

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.002	ug/l	N/A	2000	
B	11	6	No Gas	1.506	ug/l	21.5	2000	
Na	23	45	He	697.070	ug/l	1.6	500000	
Mg	24	45	He	-0.696	ug/l	N/A	500000	
Al	27	45	He	0.019	ug/l	5608.6	500000	
K	39	45	He	-17.828	ug/l	N/A	500000	
Ca	40	45	H2	-10.761	ug/l	N/A	1000000	
Ti	47	45	No Gas	-0.828	ug/l	N/A	10000	
V	51	45	He	-0.061	ug/l	N/A	5000	
Cr	52	45	He	-1.011	ug/l	N/A	20000	
Mn	55	45	He	-0.612	ug/l	N/A	20000	
Fe	56	45	H2	-19.771	ug/l	N/A	500000	
Co	59	45	He	-0.032	ug/l	N/A	2000	
Ni	60	45	He	-14.266	ug/l	N/A	20000	
Cu	63	45	He	2.131	ug/l	6.3	20000	
Zn	66	45	He	4.843	ug/l	8.0	20000	
As	75	74	He	-0.042	ug/l	N/A	5000	
Se	78	74	H2	-0.021	ug/l	N/A	3000	
Sr	88	115	He	-0.016	ug/l	N/A	5000	
Mo	95	115	He	-0.053	ug/l	N/A	2000	
Ag	107	115	He	-0.008	ug/l	N/A	1000	
Cd	111	115	He	0.021	ug/l	86.6	5000	
Sn	118	115	He	-1.244	ug/l	N/A	2000	
Sb	121	115	He	0.038	ug/l	81.7	1000	
Ba	137	159	He	-0.066	ug/l	N/A	20000	
Tl	205	209	He	-0.055	ug/l	N/A	1000	
[Pb]	206	209	He	0.088	ug/l	9.6		
[Pb]	207	209	He	0.103	ug/l	39.3		
Pb	208	209	He	0.116	ug/l	11.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5895839.36	0.5	116.8	60	125	
Sc (ISICPMS)	45	No Gas	5079381.21	0.8	104.7	60	125	
Sc (ISICPMS)	45	H2	1324272.68	0.1	102.9	60	125	
Sc (ISICPMS)	45	He	49067.05	0.7	104.9	60	125	
Ge (IS)	74	H2	239370.64	0.2	103.5	60	125	
Ge (IS)	74	He	28565.69	1.4	104.6	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	65316.77	0.8	106.1	60	125	
Tb (IS)	159	He	353772.27	1.2	104.5	60	125	
Bi (IS)	209	He	268451.28	1.3	104.0	60	125	

DRAFT

Sample Report

File Name 130SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 19:48:54

Sample Name **Scan 460-306964-D-9**

Comment FB

Dilution **1.0000**

Vial # 2103

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.004	ug/l	N/A	2000	
B	11	6	No Gas	-2.022	ug/l	N/A	2000	
Na	23	45	He	-99.220	ug/l	N/A	500000	
Mg	24	45	He	0.364	ug/l	229.1	500000	
Al	27	45	He	-0.990	ug/l	N/A	500000	
K	39	45	He	-24.622	ug/l	N/A	500000	
Ca	40	45	H2	67.294	ug/l	3.0	1000000	
Ti	47	45	No Gas	-0.950	ug/l	N/A	10000	
V	51	45	He	-0.227	ug/l	N/A	5000	
Cr	52	45	He	-1.134	ug/l	N/A	20000	
Mn	55	45	He	-0.509	ug/l	N/A	20000	
Fe	56	45	H2	-20.214	ug/l	N/A	500000	
Co	59	45	He	-0.033	ug/l	N/A	2000	
Ni	60	45	He	-14.313	ug/l	N/A	20000	
Cu	63	45	He	0.136	ug/l	83.5	20000	
Zn	66	45	He	-0.063	ug/l	N/A	20000	
As	75	74	He	-0.172	ug/l	N/A	5000	
Se	78	74	H2	-0.003	ug/l	N/A	3000	
Sr	88	115	He	0.013	ug/l	560.7	5000	
Mo	95	115	He	-0.025	ug/l	N/A	2000	
Ag	107	115	He	-0.002	ug/l	N/A	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	-1.181	ug/l	N/A	2000	
Sb	121	115	He	0.034	ug/l	55.6	1000	
Ba	137	159	He	-0.082	ug/l	N/A	20000	
Tl	205	209	He	-0.054	ug/l	N/A	1000	
[Pb]	206	209	He	-0.048	ug/l	N/A		
[Pb]	207	209	He	-0.025	ug/l	N/A		
Pb	208	209	He	-0.028	ug/l	N/A	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5850752.48	0.2	115.9	60	125	
Sc (ISICPMS)	45	No Gas	5044709.02	0.5	104.0	60	125	
Sc (ISICPMS)	45	H2	1326441.88	0.6	103.1	60	125	
Sc (ISICPMS)	45	He	48854.06	0.3	104.5	60	125	
Ge (IS)	74	H2	237825.37	0.2	102.9	60	125	
Ge (IS)	74	He	27636.09	2.6	101.2	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	64552.76	1.0	104.9	60	125	
Tb (IS)	159	He	347017.11	0.2	102.5	60	125	
Bi (IS)	209	He	267370.34	1.4	103.6	60	125	

DRAFT

Sample Report

File Name 131SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 19:51:24

Sample Name **460-306992-A-5-B**

Comment ---

Dilution **1.0000**

Vial # 2104

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.007	ug/l	N/A	2000	
B	11	6	No Gas	115.523	ug/l	0.7	2000	
Na	23	45	He	158557.964	ug/l	1.3	500000	
Mg	24	45	He	12141.890	ug/l	1.0	500000	
Al	27	45	He	16.453	ug/l	26.1	500000	
K	39	45	He	8368.401	ug/l	2.0	500000	
Ca	40	45	H2	19541.473	ug/l	0.4	1000000	
Ti	47	45	No Gas	3.701	ug/l	6.8	10000	
V	51	45	He	-0.139	ug/l	N/A	5000	
Cr	52	45	He	-1.043	ug/l	N/A	20000	
Mn	55	45	He	83.452	ug/l	2.0	20000	
Fe	56	45	H2	-15.991	ug/l	N/A	500000	
Co	59	45	He	0.033	ug/l	97.3	2000	
Ni	60	45	He	-14.018	ug/l	N/A	20000	
Cu	63	45	He	-0.224	ug/l	N/A	20000	
Zn	66	45	He	0.296	ug/l	180.2	20000	
As	75	74	He	0.249	ug/l	86.8	5000	
Se	78	74	H2	0.059	ug/l	96.3	3000	
Sr	88	115	He	131.186	ug/l	2.6	5000	
Mo	95	115	He	0.177	ug/l	68.7	2000	
Ag	107	115	He	-0.007	ug/l	N/A	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	-1.111	ug/l	N/A	2000	
Sb	121	115	He	0.291	ug/l	52.1	1000	
Ba	137	159	He	3.743	ug/l	5.5	20000	
Tl	205	209	He	-0.056	ug/l	N/A	1000	
[Pb]	206	209	He	-0.041	ug/l	N/A		
[Pb]	207	209	He	-0.011	ug/l	N/A		
Pb	208	209	He	-0.014	ug/l	N/A	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5761897.97	0.5	114.1	60	125	
Sc (ISICPMS)	45	No Gas	4965660.52	0.4	102.4	60	125	
Sc (ISICPMS)	45	H2	1320231.82	0.5	102.6	60	125	
Sc (ISICPMS)	45	He	48784.93	0.7	104.3	60	125	
Ge (IS)	74	H2	247924.04	0.5	107.2	60	125	
Ge (IS)	74	He	28986.95	2.8	106.1	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	63141.60	2.0	102.6	60	125	
Tb (IS)	159	He	352131.56	0.6	104.0	60	125	
Bi (IS)	209	He	257101.40	0.4	99.6	60	125	

DRAFT

Sample Report

File Name 132SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 19:53:54

Sample Name **460-306992-A-6-B**

Comment ---

Dilution **1.0000**

Vial # 2105

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.003	ug/l	N/A	2000	
B	11	6	No Gas	116.913	ug/l	1.0	2000	
Na	23	45	He	157046.375	ug/l	0.5	500000	
Mg	24	45	He	12028.129	ug/l	0.8	500000	
Al	27	45	He	33.698	ug/l	17.1	500000	
K	39	45	He	8294.278	ug/l	1.3	500000	
Ca	40	45	H2	19488.244	ug/l	1.0	1000000	
Ti	47	45	No Gas	3.684	ug/l	2.1	10000	
V	51	45	He	0.090	ug/l	91.5	5000	
Cr	52	45	He	-1.108	ug/l	N/A	20000	
Mn	55	45	He	85.270	ug/l	1.0	20000	
Fe	56	45	H2	-0.412	ug/l	N/A	500000	
Co	59	45	He	0.046	ug/l	34.1	2000	
Ni	60	45	He	-14.157	ug/l	N/A	20000	
Cu	63	45	He	-0.194	ug/l	N/A	20000	
Zn	66	45	He	0.063	ug/l	1756.7	20000	
As	75	74	He	0.531	ug/l	10.3	5000	
Se	78	74	H2	0.111	ug/l	27.5	3000	
Sr	88	115	He	129.870	ug/l	0.4	5000	
Mo	95	115	He	0.213	ug/l	34.8	2000	
Ag	107	115	He	-0.004	ug/l	N/A	1000	
Cd	111	115	He	0.032	ug/l	0.6	5000	
Sn	118	115	He	-1.099	ug/l	N/A	2000	
Sb	121	115	He	0.062	ug/l	83.6	1000	
Ba	137	159	He	4.106	ug/l	17.5	20000	
Tl	205	209	He	-0.058	ug/l	N/A	1000	
[Pb]	206	209	He	-0.034	ug/l	N/A		
[Pb]	207	209	He	-0.001	ug/l	N/A		
Pb	208	209	He	-0.006	ug/l	N/A	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5766036.51	0.9	114.2	60	125	
Sc (ISICPMS)	45	No Gas	5007433.85	0.8	103.2	60	125	
Sc (ISICPMS)	45	H2	1301815.26	1.2	101.1	60	125	
Sc (ISICPMS)	45	He	49162.84	0.2	105.1	60	125	
Ge (IS)	74	H2	245495.19	0.6	106.2	60	125	
Ge (IS)	74	He	29120.69	0.3	106.6	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	63905.27	0.6	103.8	60	125	
Tb (IS)	159	He	352276.99	0.9	104.0	60	125	
Bi (IS)	209	He	257292.70	0.9	99.7	60	125	

DRAFT

Sample Report

File Name 133SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 19:56:25

Sample Name **460-306992-A-7-B**

Comment ---

Dilution **1.0000**

Vial # 2106

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.001	ug/l	324.7	2000	
B	11	6	No Gas	117.483	ug/l	1.7	2000	
Na	23	45	He	158950.978	ug/l	0.7	500000	
Mg	24	45	He	12187.276	ug/l	1.0	500000	
Al	27	45	He	18.619	ug/l	21.1	500000	
K	39	45	He	8464.764	ug/l	0.5	500000	
Ca	40	45	H2	19586.918	ug/l	1.9	1000000	
Ti	47	45	No Gas	3.842	ug/l	3.3	10000	
V	51	45	He	0.006	ug/l	1099.8	5000	
Cr	52	45	He	-1.133	ug/l	N/A	20000	
Mn	55	45	He	84.278	ug/l	2.5	20000	
Fe	56	45	H2	-3.280	ug/l	N/A	500000	
Co	59	45	He	0.029	ug/l	90.4	2000	
Ni	60	45	He	-14.187	ug/l	N/A	20000	
Cu	63	45	He	-0.073	ug/l	N/A	20000	
Zn	66	45	He	0.668	ug/l	81.7	20000	
As	75	74	He	0.490	ug/l	43.1	5000	
Se	78	74	H2	0.174	ug/l	64.9	3000	
Sr	88	115	He	132.527	ug/l	2.4	5000	
Mo	95	115	He	0.212	ug/l	48.0	2000	
Ag	107	115	He	-0.007	ug/l	N/A	1000	
Cd	111	115	He	0.011	ug/l	173.2	5000	
Sn	118	115	He	-1.462	ug/l	N/A	2000	
Sb	121	115	He	0.099	ug/l	52.4	1000	
Ba	137	159	He	4.096	ug/l	17.1	20000	
Tl	205	209	He	-0.059	ug/l	N/A	1000	
[Pb]	206	209	He	-0.044	ug/l	N/A		
[Pb]	207	209	He	0.001	ug/l	834.6		
Pb	208	209	He	-0.008	ug/l	N/A	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5746170.40	0.6	113.8	60	125	
Sc (ISICPMS)	45	No Gas	4986699.93	0.3	102.8	60	125	
Sc (ISICPMS)	45	H2	1315118.42	1.0	102.2	60	125	
Sc (ISICPMS)	45	He	48629.85	1.2	104.0	60	125	
Ge (IS)	74	H2	248088.96	1.3	107.3	60	125	
Ge (IS)	74	He	29421.73	1.1	107.7	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	63883.98	0.6	103.8	60	125	
Tb (IS)	159	He	354536.34	0.2	104.7	60	125	
Bi (IS)	209	He	256506.20	0.5	99.4	60	125	

DRAFT

Sample Report

File Name 134SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 19:58:55

Sample Name **460-306992-A-8-B**

Comment ---

Dilution **1.0000**

Vial # 2107

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.001	ug/l	N/A	2000	
B	11	6	No Gas	118.080	ug/l	0.6	2000	
Na	23	45	He	157082.674	ug/l	0.7	500000	
Mg	24	45	He	12211.539	ug/l	0.3	500000	
Al	27	45	He	19.742	ug/l	24.1	500000	
K	39	45	He	8633.206	ug/l	1.4	500000	
Ca	40	45	H2	19749.335	ug/l	0.7	1000000	
Ti	47	45	No Gas	3.695	ug/l	2.3	10000	
V	51	45	He	0.032	ug/l	448.2	5000	
Cr	52	45	He	-1.192	ug/l	N/A	20000	
Mn	55	45	He	78.871	ug/l	1.4	20000	
Fe	56	45	H2	-7.003	ug/l	N/A	500000	
Co	59	45	He	0.056	ug/l	25.0	2000	
Ni	60	45	He	-14.034	ug/l	N/A	20000	
Cu	63	45	He	0.259	ug/l	34.8	20000	
Zn	66	45	He	1.231	ug/l	74.3	20000	
As	75	74	He	0.215	ug/l	130.9	5000	
Se	78	74	H2	0.143	ug/l	92.6	3000	
Sr	88	115	He	135.052	ug/l	2.1	5000	
Mo	95	115	He	0.200	ug/l	18.5	2000	
Ag	107	115	He	-0.004	ug/l	N/A	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	-0.954	ug/l	N/A	2000	
Sb	121	115	He	0.300	ug/l	37.4	1000	
Ba	137	159	He	4.297	ug/l	6.9	20000	
Tl	205	209	He	-0.063	ug/l	N/A	1000	
[Pb]	206	209	He	-0.028	ug/l	N/A		
[Pb]	207	209	He	0.022	ug/l	162.4		
Pb	208	209	He	-0.002	ug/l	N/A	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5726875.26	0.4	113.4	60	125	
Sc (ISICPMS)	45	No Gas	4969606.83	0.6	102.5	60	125	
Sc (ISICPMS)	45	H2	1315643.07	1.1	102.2	60	125	
Sc (ISICPMS)	45	He	49149.47	0.9	105.1	60	125	
Ge (IS)	74	H2	246879.30	0.6	106.8	60	125	
Ge (IS)	74	He	28940.10	0.9	105.9	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	63217.17	0.3	102.7	60	125	
Tb (IS)	159	He	351522.14	0.4	103.8	60	125	
Bi (IS)	209	He	258257.43	0.4	100.1	60	125	

DRAFT

Sample Report

File Name 135SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 20:01:25

Sample Name **460-306992-A-9-B**

Comment ---

Dilution **1.0000**

Vial # 2108

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.002	ug/l	N/A	2000	
B	11	6	No Gas	116.987	ug/l	1.5	2000	
Na	23	45	He	155341.884	ug/l	0.9	500000	
Mg	24	45	He	12056.931	ug/l	0.6	500000	
Al	27	45	He	17.786	ug/l	18.5	500000	
K	39	45	He	8306.948	ug/l	0.3	500000	
Ca	40	45	H2	19585.656	ug/l	1.6	1000000	
Ti	47	45	No Gas	3.956	ug/l	3.4	10000	
V	51	45	He	-0.067	ug/l	N/A	5000	
Cr	52	45	He	-1.289	ug/l	N/A	20000	
Mn	55	45	He	76.967	ug/l	1.9	20000	
Fe	56	45	H2	-1.754	ug/l	N/A	500000	
Co	59	45	He	0.014	ug/l	41.0	2000	
Ni	60	45	He	-13.982	ug/l	N/A	20000	
Cu	63	45	He	-0.046	ug/l	N/A	20000	
Zn	66	45	He	0.229	ug/l	201.3	20000	
As	75	74	He	0.174	ug/l	53.9	5000	
Se	78	74	H2	0.043	ug/l	201.5	3000	
Sr	88	115	He	132.525	ug/l	3.2	5000	
Mo	95	115	He	0.151	ug/l	28.0	2000	
Ag	107	115	He	-0.005	ug/l	N/A	1000	
Cd	111	115	He	0.022	ug/l	86.6	5000	
Sn	118	115	He	-1.183	ug/l	N/A	2000	
Sb	121	115	He	0.117	ug/l	22.0	1000	
Ba	137	159	He	4.522	ug/l	11.1	20000	
Tl	205	209	He	-0.055	ug/l	N/A	1000	
[Pb]	206	209	He	-0.035	ug/l	N/A		
[Pb]	207	209	He	0.005	ug/l	850.4		
Pb	208	209	He	-0.007	ug/l	N/A	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5752276.86	1.4	113.9	60	125	
Sc (ISICPMS)	45	No Gas	4959879.51	1.0	102.3	60	125	
Sc (ISICPMS)	45	H2	1318648.20	0.5	102.5	60	125	
Sc (ISICPMS)	45	He	49524.22	0.7	105.9	60	125	
Ge (IS)	74	H2	247262.75	0.3	106.9	60	125	
Ge (IS)	74	He	29472.01	0.7	107.9	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	63278.13	0.6	102.8	60	125	
Tb (IS)	159	He	350721.58	1.0	103.6	60	125	
Bi (IS)	209	He	258803.12	0.6	100.3	60	125	

DRAFT

Sample Report

File Name 136SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 20:03:56

Sample Name **460-306992-A-10-B**

Comment ---

Dilution **1.0000**

Vial # 2109

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.003	ug/l	N/A	2000	
B	11	6	No Gas	117.308	ug/l	0.7	2000	
Na	23	45	He	157331.600	ug/l	0.7	500000	
Mg	24	45	He	12202.676	ug/l	0.8	500000	
Al	27	45	He	9.656	ug/l	3.6	500000	
K	39	45	He	8396.416	ug/l	0.9	500000	
Ca	40	45	H2	19782.713	ug/l	0.9	1000000	
Ti	47	45	No Gas	4.193	ug/l	4.9	10000	
V	51	45	He	-0.132	ug/l	N/A	5000	
Cr	52	45	He	-1.163	ug/l	N/A	20000	
Mn	55	45	He	76.282	ug/l	0.6	20000	
Fe	56	45	H2	3.791	ug/l	8.3	500000	
Co	59	45	He	0.005	ug/l	467.8	2000	
Ni	60	45	He	-14.276	ug/l	N/A	20000	
Cu	63	45	He	-0.076	ug/l	N/A	20000	
Zn	66	45	He	-0.047	ug/l	N/A	20000	
As	75	74	He	0.209	ug/l	53.3	5000	
Se	78	74	H2	-0.008	ug/l	N/A	3000	
Sr	88	115	He	130.889	ug/l	2.5	5000	
Mo	95	115	He	0.163	ug/l	55.8	2000	
Ag	107	115	He	-0.007	ug/l	N/A	1000	
Cd	111	115	He	0.021	ug/l	86.6	5000	
Sn	118	115	He	-1.221	ug/l	N/A	2000	
Sb	121	115	He	0.082	ug/l	58.2	1000	
Ba	137	159	He	4.845	ug/l	5.2	20000	
Tl	205	209	He	-0.062	ug/l	N/A	1000	
[Pb]	206	209	He	-0.014	ug/l	N/A		
[Pb]	207	209	He	0.012	ug/l	163.5		
Pb	208	209	He	0.007	ug/l	242.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5774607.97	0.7	114.4	60	125	
Sc (ISICPMS)	45	No Gas	4992724.16	0.5	102.9	60	125	
Sc (ISICPMS)	45	H2	1315832.73	1.3	102.2	60	125	
Sc (ISICPMS)	45	He	49249.88	0.3	105.3	60	125	
Ge (IS)	74	H2	247960.12	2.0	107.2	60	125	
Ge (IS)	74	He	29291.30	0.3	107.2	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	64297.31	0.5	104.4	60	125	
Tb (IS)	159	He	355021.06	0.3	104.8	60	125	
Bi (IS)	209	He	259405.76	0.5	100.5	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 137_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 20:06:27

Sample Name **rn chk**

Comment ---

Dilution 1.0000

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.001	ug/l	873.2	100	90	110	failed
B	11	6	No Gas	1.026	ug/l	13.4	250	225	275	failed
Na	23	45	He	-16.536	ug/l	N/A	25000	22500	27500	failed
Mg	24	45	He	-0.093	ug/l	N/A	25000	22500	27500	failed
Al	27	45	He	3.843	ug/l	9.3	25000	22500	27500	failed
K	39	45	He	-12.304	ug/l	N/A	25000	22500	27500	failed
Ca	40	45	H2	3.056	ug/l	9.9	25000	22500	27500	failed
Ti	47	45	No Gas	0.060	ug/l	128.1	100	90	110	failed
V	51	45	He	-0.065	ug/l	N/A	100	90	110	failed
Cr	52	45	He	-0.192	ug/l	N/A	100	90	110	failed
Mn	55	45	He	-0.560	ug/l	N/A	100	90	110	failed
Fe	56	45	H2	-14.371	ug/l	N/A	25000	22500	27500	failed
Co	59	45	He	-0.032	ug/l	N/A	100	90	110	failed
Ni	60	45	He	-13.908	ug/l	N/A	100	90	110	failed
Cu	63	45	He	0.010	ug/l	672.8	100	90	110	failed
Zn	66	45	He	-0.182	ug/l	N/A	250	225	275	failed
As	75	74	He	0.026	ug/l	438.9	100	90	110	failed
Se	78	74	H2	-0.019	ug/l	N/A	100	90	110	failed
Sr	88	115	He	0.034	ug/l	206.0	100	90	110	failed
Mo	95	115	He	-0.030	ug/l	N/A	100	90	110	failed
Ag	107	115	He	-0.005	ug/l	N/A	50	45	55	failed
Cd	111	115	He	0.000	ug/l	N/A	100	90	110	failed
Sn	118	115	He	-0.016	ug/l	N/A	100	90	110	failed
Sb	121	115	He	0.063	ug/l	15.1	100	90	110	failed
Ba	137	159	He	0.046	ug/l	66.9	100	90	110	failed
Tl	205	209	He	-0.062	ug/l	N/A	100	90	110	failed
[Pb]	206	209	He	-0.002	ug/l	N/A				
[Pb]	207	209	He	0.024	ug/l	193.2				
Pb	208	209	He	0.022	ug/l	74.9	100	90	110	failed

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5761520.33	1.0	114.1	60	125	
Sc (ISICPMS)	45	No Gas	4975948.85	0.3	102.6	60	125	
Sc (ISICPMS)	45	H2	1276501.81	1.1	99.2	60	125	
Sc (ISICPMS)	45	He	47463.75	0.7	101.5	60	125	
Ge (IS)	74	H2	234626.17	1.0	101.5	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	28194.61	1.3	103.2	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	63274.73	1.6	102.8	60	125	
Tb (IS)	159	He	348459.93	0.6	102.9	60	125	
Bi (IS)	209	He	265283.53	0.4	102.8	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 138_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 20:08:57

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	97.112	ug/l	0.5	100	90	110	
B	11	6	No Gas	238.541	ug/l	1.1	250	225	275	
Na	23	45	He	25820.054	ug/l	1.0	25000	22500	27500	
Mg	24	45	He	26174.560	ug/l	1.1	25000	22500	27500	
Al	27	45	He	26592.007	ug/l	1.0	25000	22500	27500	
K	39	45	He	26023.724	ug/l	1.5	25000	22500	27500	
Ca	40	45	H2	26175.251	ug/l	1.1	25000	22500	27500	
Ti	47	45	No Gas	102.492	ug/l	1.6	100	90	110	
V	51	45	He	101.263	ug/l	2.0	100	90	110	
Cr	52	45	He	103.030	ug/l	1.0	100	90	110	
Mn	55	45	He	103.477	ug/l	2.7	100	90	110	
Fe	56	45	H2	26104.519	ug/l	1.0	25000	22500	27500	
Co	59	45	He	102.415	ug/l	0.8	100	90	110	
Ni	60	45	He	87.137	ug/l	0.9	100	90	110	failed
Cu	63	45	He	103.102	ug/l	0.9	100	90	110	
Zn	66	45	He	265.269	ug/l	1.9	250	225	275	
As	75	74	He	107.073	ug/l	3.0	100	90	110	
Se	78	74	H2	98.567	ug/l	1.8	100	90	110	
Sr	88	115	He	105.548	ug/l	1.4	100	90	110	
Mo	95	115	He	104.191	ug/l	2.3	100	90	110	
Ag	107	115	He	50.755	ug/l	1.2	50	45	55	
Cd	111	115	He	103.996	ug/l	3.2	100	90	110	
Sn	118	115	He	105.106	ug/l	1.9	100	90	110	
Sb	121	115	He	105.331	ug/l	1.6	100	90	110	
Ba	137	159	He	107.229	ug/l	1.0	100	90	110	
Tl	205	209	He	102.317	ug/l	0.3	100	90	110	
[Pb]	206	209	He	103.789	ug/l	0.9				
[Pb]	207	209	He	101.791	ug/l	1.5				
Pb	208	209	He	103.007	ug/l	0.4	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5720534.36	0.6	113.3	60	125	
Sc (ISICPMS)	45	No Gas	4961136.63	1.0	102.3	60	125	
Sc (ISICPMS)	45	H2	1289341.72	0.5	100.2	60	125	
Sc (ISICPMS)	45	He	48351.30	0.6	103.4	60	125	
Ge (IS)	74	H2	244458.37	1.7	105.7	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	28746.31	1.9	105.2	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	62902.12	1.2	102.2	60	125	
Tb (IS)	159	He	350996.05	0.6	103.6	60	125	
Bi (IS)	209	He	260636.91	0.7	101.0	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 139_Blk.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 20:11:26

Sample Name **CCB**

Comment ---

Dilution 1.0000

Analyte Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.019	ug/l	28.1	0.8	-0.8	0.8	
B	11	6	No Gas	1.291	ug/l	10.4	40	-40	40	
Na	23	45	He	-17.632	ug/l	N/A	500	-500	500	
Mg	24	45	He	0.518	ug/l	146.2	200	-200	200	
Al	27	45	He	2.067	ug/l	105.8	40	-40	40	
K	39	45	He	-21.893	ug/l	N/A	200	-200	200	
Ca	40	45	H2	5.027	ug/l	16.5	500	-500	500	
Ti	47	45	No Gas	0.160	ug/l	44.9	4	-4	4	
V	51	45	He	0.048	ug/l	133.0	4	-4	4	
Cr	52	45	He	-0.216	ug/l	N/A	4	-4	4	
Mn	55	45	He	-0.494	ug/l	N/A	8	-8	8	
Fe	56	45	H2	-11.951	ug/l	N/A	60	-60	60	
Co	59	45	He	-0.004	ug/l	N/A	4	-4	4	
Ni	60	45	He	-13.767	ug/l	N/A	4	-4	4	> water RL
Cu	63	45	He	-0.170	ug/l	N/A	4	-4	4	
Zn	66	45	He	-0.071	ug/l	N/A	16	-16	16	
As	75	74	He	0.216	ug/l	186.9	2	-2	2	
Se	78	74	H2	0.013	ug/l	224.4	2.5	-2.5	2.5	
Sr	88	115	He	0.043	ug/l	115.2	4	-4	4	
Mo	95	115	He	0.044	ug/l	81.6	4	-4	4	
Ag	107	115	He	0.007	ug/l	157.7	2	-2	2	
Cd	111	115	He	0.011	ug/l	173.2	2	-2	2	
Sn	118	115	He	-0.927	ug/l	N/A	16	-16	16	
Sb	121	115	He	0.051	ug/l	89.3	2	-2	2	
Ba	137	159	He	-0.065	ug/l	N/A	4	-4	4	
Tl	205	209	He	-0.029	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.018	ug/l	270.5				
[Pb]	207	209	He	0.080	ug/l	39.6				
Pb	208	209	He	0.041	ug/l	52.5	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5586647.91	0.5	110.7	60	125	
Sc (ISICPMS)	45	No Gas	4908340.79	1.1	101.2	60	125	
Sc (ISICPMS)	45	H2	1290479.86	0.5	100.3	60	125	
Sc (ISICPMS)	45	He	48360.04	0.6	103.4	60	125	
Ge (IS)	74	H2	239776.01	0.4	103.7	60	125	
Ge (IS)	74	He	28746.18	0.8	105.2	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	63898.07	0.4	103.8	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	350104.48	0.6	103.4	60	125	
Bi (IS)	209	He	265954.21	0.8	103.1	60	125	

DRAFT

Sample Report

File Name 140SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 20:13:57

Sample Name **460-306992-A-11-B**

Comment ---

Dilution **1.0000**

Vial # 2110

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.006	ug/l	71.5	2000	
B	11	6	No Gas	115.055	ug/l	2.1	2000	
Na	23	45	He	156738.077	ug/l	1.7	500000	
Mg	24	45	He	12292.295	ug/l	1.7	500000	
Al	27	45	He	20.509	ug/l	31.3	500000	
K	39	45	He	8421.265	ug/l	1.4	500000	
Ca	40	45	H2	20024.023	ug/l	1.2	1000000	
Ti	47	45	No Gas	3.723	ug/l	6.5	10000	
V	51	45	He	-0.021	ug/l	N/A	5000	
Cr	52	45	He	-0.996	ug/l	N/A	20000	
Mn	55	45	He	59.477	ug/l	5.4	20000	
Fe	56	45	H2	15.889	ug/l	57.3	500000	
Co	59	45	He	-0.013	ug/l	N/A	2000	
Ni	60	45	He	-14.105	ug/l	N/A	20000	
Cu	63	45	He	-0.117	ug/l	N/A	20000	
Zn	66	45	He	0.229	ug/l	131.8	20000	
As	75	74	He	0.107	ug/l	221.0	5000	
Se	78	74	H2	0.075	ug/l	201.5	3000	
Sr	88	115	He	131.648	ug/l	1.0	5000	
Mo	95	115	He	0.153	ug/l	50.6	2000	
Ag	107	115	He	-0.003	ug/l	N/A	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	-1.011	ug/l	N/A	2000	
Sb	121	115	He	0.086	ug/l	17.9	1000	
Ba	137	159	He	5.354	ug/l	11.7	20000	
Tl	205	209	He	-0.060	ug/l	N/A	1000	
[Pb]	206	209	He	-0.034	ug/l	N/A		
[Pb]	207	209	He	0.038	ug/l	57.6		
Pb	208	209	He	0.001	ug/l	1460.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5808247.34	0.9	115.1	60	125	
Sc (ISICPMS)	45	No Gas	5019069.96	0.6	103.5	60	125	
Sc (ISICPMS)	45	H2	1315790.54	0.9	102.2	60	125	
Sc (ISICPMS)	45	He	49517.49	1.1	105.9	60	125	
Ge (IS)	74	H2	249198.76	0.8	107.8	60	125	
Ge (IS)	74	He	29803.06	0.6	109.1	60	125	
Kr	83	He	3.34	173.2				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	64837.08	0.4	105.3	60	125	
Tb (IS)	159	He	359334.74	0.6	106.1	60	125	
Bi (IS)	209	He	262102.18	1.4	101.6	60	125	

DRAFT

Sample Report

File Name 141SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 20:16:28

Sample Name **460-306992-A-12-B**

Comment ---

Dilution **1.0000**

Vial # 2111

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.007	ug/l	N/A	2000	
B	11	6	No Gas	117.552	ug/l	0.9	2000	
Na	23	45	He	157045.376	ug/l	1.8	500000	
Mg	24	45	He	12368.670	ug/l	1.7	500000	
Al	27	45	He	15.889	ug/l	13.0	500000	
K	39	45	He	8352.506	ug/l	2.8	500000	
Ca	40	45	H2	19825.571	ug/l	0.7	1000000	
Ti	47	45	No Gas	3.813	ug/l	4.2	10000	
V	51	45	He	0.019	ug/l	992.4	5000	
Cr	52	45	He	-1.188	ug/l	N/A	20000	
Mn	55	45	He	56.238	ug/l	0.2	20000	
Fe	56	45	H2	1.139	ug/l	42.9	500000	
Co	59	45	He	0.014	ug/l	9.2	2000	
Ni	60	45	He	-14.571	ug/l	N/A	20000	
Cu	63	45	He	-0.144	ug/l	N/A	20000	
Zn	66	45	He	0.819	ug/l	62.8	20000	
As	75	74	He	0.325	ug/l	84.1	5000	
Se	78	74	H2	0.041	ug/l	202.8	3000	
Sr	88	115	He	134.214	ug/l	0.8	5000	
Mo	95	115	He	0.118	ug/l	48.6	2000	
Ag	107	115	He	-0.004	ug/l	N/A	1000	
Cd	111	115	He	0.021	ug/l	86.6	5000	
Sn	118	115	He	-1.171	ug/l	N/A	2000	
Sb	121	115	He	0.171	ug/l	26.9	1000	
Ba	137	159	He	10.632	ug/l	9.7	20000	
Tl	205	209	He	-0.064	ug/l	N/A	1000	
[Pb]	206	209	He	-0.042	ug/l	N/A		
[Pb]	207	209	He	-0.004	ug/l	N/A		
Pb	208	209	He	-0.009	ug/l	N/A	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5759467.83	0.3	114.1	60	125	
Sc (ISICPMS)	45	No Gas	5056822.42	1.1	104.3	60	125	
Sc (ISICPMS)	45	H2	1326044.68	1.5	103.0	60	125	
Sc (ISICPMS)	45	He	49524.29	1.7	105.9	60	125	
Ge (IS)	74	H2	249528.40	1.4	107.9	60	125	
Ge (IS)	74	He	29906.67	1.3	109.5	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	64651.31	0.5	105.0	60	125	
Tb (IS)	159	He	358124.67	1.0	105.7	60	125	
Bi (IS)	209	He	264633.24	0.8	102.6	60	125	

DRAFT

Sample Report

File Name 142SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 20:18:58

Sample Name **460-306992-A-13-B**

Comment ---

Dilution **1.0000**

Vial # 2112

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.005	ug/l	N/A	2000	
B	11	6	No Gas	117.600	ug/l	0.8	2000	
Na	23	45	He	159247.663	ug/l	1.4	500000	
Mg	24	45	He	12600.875	ug/l	1.3	500000	
Al	27	45	He	19.130	ug/l	19.9	500000	
K	39	45	He	8518.240	ug/l	1.4	500000	
Ca	40	45	H2	19326.862	ug/l	0.5	1000000	
Ti	47	45	No Gas	3.950	ug/l	3.1	10000	
V	51	45	He	0.010	ug/l	876.0	5000	
Cr	52	45	He	-1.057	ug/l	N/A	20000	
Mn	55	45	He	58.917	ug/l	2.7	20000	
Fe	56	45	H2	11.995	ug/l	1.9	500000	
Co	59	45	He	0.003	ug/l	666.6	2000	
Ni	60	45	He	-14.495	ug/l	N/A	20000	
Cu	63	45	He	-0.092	ug/l	N/A	20000	
Zn	66	45	He	0.404	ug/l	43.3	20000	
As	75	74	He	-0.109	ug/l	N/A	5000	
Se	78	74	H2	0.010	ug/l	747.9	3000	
Sr	88	115	He	138.394	ug/l	1.1	5000	
Mo	95	115	He	0.123	ug/l	33.5	2000	
Ag	107	115	He	-0.002	ug/l	N/A	1000	
Cd	111	115	He	0.021	ug/l	173.2	5000	
Sn	118	115	He	-1.251	ug/l	N/A	2000	
Sb	121	115	He	0.040	ug/l	173.5	1000	
Ba	137	159	He	10.993	ug/l	5.7	20000	
Tl	205	209	He	-0.060	ug/l	N/A	1000	
[Pb]	206	209	He	-0.038	ug/l	N/A		
[Pb]	207	209	He	-0.011	ug/l	N/A		
Pb	208	209	He	-0.003	ug/l	N/A	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5737697.97	0.4	113.7	60	125	
Sc (ISICPMS)	45	No Gas	4967736.25	0.1	102.4	60	125	
Sc (ISICPMS)	45	H2	1309871.65	1.0	101.8	60	125	
Sc (ISICPMS)	45	He	48353.36	1.1	103.4	60	125	
Ge (IS)	74	H2	245886.95	0.8	106.3	60	125	
Ge (IS)	74	He	28873.35	0.2	105.7	60	125	
Kr	83	He	3.34	173.2				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	64191.55	0.7	104.3	60	125	
Tb (IS)	159	He	354712.66	0.8	104.7	60	125	
Bi (IS)	209	He	260109.72	0.4	100.8	60	125	

DRAFT

Sample Report

File Name 143SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 20:21:27

Sample Name **460-306992-A-14-B**

Comment ---

Dilution **1.0000**

Vial # 2201

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.001	ug/l	N/A	2000	
B	11	6	No Gas	118.133	ug/l	1.5	2000	
Na	23	45	He	157579.415	ug/l	2.0	500000	
Mg	24	45	He	12407.602	ug/l	1.2	500000	
Al	27	45	He	11.992	ug/l	28.6	500000	
K	39	45	He	8396.776	ug/l	1.7	500000	
Ca	40	45	H2	19407.419	ug/l	0.9	1000000	
Ti	47	45	No Gas	3.873	ug/l	2.4	10000	
V	51	45	He	-0.050	ug/l	N/A	5000	
Cr	52	45	He	-1.283	ug/l	N/A	20000	
Mn	55	45	He	56.619	ug/l	2.9	20000	
Fe	56	45	H2	-10.931	ug/l	N/A	500000	
Co	59	45	He	-0.039	ug/l	N/A	2000	
Ni	60	45	He	-14.743	ug/l	N/A	20000	
Cu	63	45	He	-0.171	ug/l	N/A	20000	
Zn	66	45	He	0.545	ug/l	101.7	20000	
As	75	74	He	-0.010	ug/l	N/A	5000	
Se	78	74	H2	0.128	ug/l	121.4	3000	
Sr	88	115	He	140.898	ug/l	3.5	5000	
Mo	95	115	He	0.022	ug/l	118.1	2000	
Ag	107	115	He	-0.004	ug/l	N/A	1000	
Cd	111	115	He	0.011	ug/l	173.2	5000	
Sn	118	115	He	-1.026	ug/l	N/A	2000	
Sb	121	115	He	0.042	ug/l	65.7	1000	
Ba	137	159	He	11.022	ug/l	5.8	20000	
Tl	205	209	He	-0.064	ug/l	N/A	1000	
[Pb]	206	209	He	-0.022	ug/l	N/A		
[Pb]	207	209	He	-0.020	ug/l	N/A		
Pb	208	209	He	-0.013	ug/l	N/A	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5729854.57	0.8	113.5	60	125	
Sc (ISICPMS)	45	No Gas	4999063.61	0.7	103.1	60	125	
Sc (ISICPMS)	45	H2	1302880.95	0.2	101.2	60	125	
Sc (ISICPMS)	45	He	48548.45	1.9	103.8	60	125	
Ge (IS)	74	H2	245806.34	1.1	106.3	60	125	
Ge (IS)	74	He	28485.42	1.7	104.3	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	63119.03	1.8	102.5	60	125	
Tb (IS)	159	He	352677.65	0.8	104.1	60	125	
Bi (IS)	209	He	256728.63	0.6	99.5	60	125	

DRAFT

Sample Report

File Name 144SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 20:23:58

Sample Name **460-306992-A-15-C**

Comment ---

Dilution **1.0000**

Vial # 2202

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.001	ug/l	N/A	2000	
B	11	6	No Gas	116.144	ug/l	1.1	2000	
Na	23	45	He	149075.183	ug/l	1.0	500000	
Mg	24	45	He	11742.223	ug/l	0.3	500000	
Al	27	45	He	26.698	ug/l	9.6	500000	
K	39	45	He	7899.211	ug/l	1.6	500000	
Ca	40	45	H2	18383.366	ug/l	0.9	1000000	
Ti	47	45	No Gas	3.929	ug/l	6.0	10000	
V	51	45	He	-0.196	ug/l	N/A	5000	
Cr	52	45	He	-1.080	ug/l	N/A	20000	
Mn	55	45	He	56.016	ug/l	3.2	20000	
Fe	56	45	H2	-15.228	ug/l	N/A	500000	
Co	59	45	He	-0.020	ug/l	N/A	2000	
Ni	60	45	He	-14.577	ug/l	N/A	20000	
Cu	63	45	He	-0.159	ug/l	N/A	20000	
Zn	66	45	He	0.156	ug/l	189.7	20000	
As	75	74	He	0.048	ug/l	118.1	5000	
Se	78	74	H2	0.028	ug/l	278.7	3000	
Sr	88	115	He	131.044	ug/l	1.5	5000	
Mo	95	115	He	-0.003	ug/l	N/A	2000	
Ag	107	115	He	0.000	ug/l	N/A	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	-1.146	ug/l	N/A	2000	
Sb	121	115	He	0.057	ug/l	49.2	1000	
Ba	137	159	He	10.817	ug/l	6.1	20000	
Tl	205	209	He	-0.063	ug/l	N/A	1000	
[Pb]	206	209	He	-0.012	ug/l	N/A		
[Pb]	207	209	He	0.018	ug/l	566.5		
Pb	208	209	He	0.005	ug/l	314.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5700397.14	0.1	112.9	60	125	
Sc (ISICPMS)	45	No Gas	4970799.65	1.6	102.5	60	125	
Sc (ISICPMS)	45	H2	1297356.22	0.9	100.8	60	125	
Sc (ISICPMS)	45	He	48831.60	1.3	104.4	60	125	
Ge (IS)	74	H2	244265.81	1.6	105.6	60	125	
Ge (IS)	74	He	29481.76	0.8	107.9	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	63671.94	0.2	103.4	60	125	
Tb (IS)	159	He	352294.52	0.6	104.0	60	125	
Bi (IS)	209	He	259157.41	0.5	100.4	60	125	

DRAFT

Sample Report

File Name 145SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 20:26:28

Sample Name **460-306992-A-15-D MS**

Comment ---

Dilution **1.0000**

Vial # 2203

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	22.789	ug/l	1.1	2000	
B	11	6	No Gas	551.295	ug/l	0.5	2000	
Na	23	45	He	158027.890	ug/l	2.2	500000	
Mg	24	45	He	14576.475	ug/l	1.4	500000	
Al	27	45	He	2488.102	ug/l	4.2	500000	
K	39	45	He	10813.436	ug/l	2.3	500000	
Ca	40	45	H2	21581.579	ug/l	1.5	1000000	
Ti	47	45	No Gas	50.979	ug/l	1.5	10000	
V	51	45	He	45.924	ug/l	0.3	5000	
Cr	52	45	He	45.681	ug/l	2.6	20000	
Mn	55	45	He	295.191	ug/l	1.6	20000	
Fe	56	45	H2	2271.352	ug/l	1.3	500000	
Co	59	45	He	23.754	ug/l	1.9	2000	
Ni	60	45	He	32.383	ug/l	2.7	20000	
Cu	63	45	He	47.063	ug/l	2.2	20000	
Zn	66	45	He	231.528	ug/l	1.5	20000	
As	75	74	He	48.065	ug/l	5.2	5000	
Se	78	74	H2	48.120	ug/l	3.5	3000	
Sr	88	115	He	186.706	ug/l	1.0	5000	
Mo	95	115	He	47.393	ug/l	1.9	2000	
Ag	107	115	He	17.739	ug/l	2.2	1000	
Cd	111	115	He	24.309	ug/l	1.2	5000	
Sn	118	115	He	47.337	ug/l	3.7	2000	
Sb	121	115	He	23.970	ug/l	3.1	1000	
Ba	137	159	He	60.424	ug/l	2.8	20000	
Tl	205	209	He	19.246	ug/l	1.3	1000	
[Pb]	206	209	He	24.972	ug/l	3.3		
[Pb]	207	209	He	24.098	ug/l	2.9		
Pb	208	209	He	24.265	ug/l	2.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5851087.20	0.3	115.9	60	125	
Sc (ISICPMS)	45	No Gas	5014805.17	0.4	103.4	60	125	
Sc (ISICPMS)	45	H2	1330040.33	0.4	103.3	60	125	
Sc (ISICPMS)	45	He	49666.92	1.3	106.2	60	125	
Ge (IS)	74	H2	249297.72	1.4	107.8	60	125	
Ge (IS)	74	He	29685.82	1.1	108.7	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	63983.57	1.2	103.9	60	125	
Tb (IS)	159	He	358931.17	0.6	106.0	60	125	
Bi (IS)	209	He	263246.45	0.2	102.0	60	125	

DRAFT

Sample Report

File Name 146SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 20:28:58

Sample Name **460-306991-F-7-B@2**

Comment ---

Dilution **1.0000**

Vial # 2204

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.043	ug/l	41.6	2000	
B	11	6	No Gas	28.275	ug/l	0.3	2000	
Na	23	45	He	209557.185	ug/l	0.6	500000	
Mg	24	45	He	134.281	ug/l	3.1	500000	
Al	27	45	He	24.833	ug/l	8.3	500000	
K	39	45	He	277558.243	ug/l	0.4	500000	
Ca	40	45	H2	221193.667	ug/l	1.1	1000000	
Ti	47	45	No Gas	0.085	ug/l	17.4	10000	
V	51	45	He	0.869	ug/l	18.0	5000	
Cr	52	45	He	40.270	ug/l	3.7	20000	
Mn	55	45	He	-0.227	ug/l	N/A	20000	
Fe	56	45	H2	-1.159	ug/l	N/A	500000	
Co	59	45	He	0.677	ug/l	14.8	2000	
Ni	60	45	He	-4.593	ug/l	N/A	20000	
Cu	63	45	He	2.347	ug/l	9.7	20000	
Zn	66	45	He	6.953	ug/l	8.6	20000	
As	75	74	He	23.459	ug/l	8.4	5000	
Se	78	74	H2	7.996	ug/l	12.2	3000	
Sr	88	115	He	1057.698	ug/l	0.3	5000	
Mo	95	115	He	690.064	ug/l	0.3	2000	
Ag	107	115	He	0.022	ug/l	7.1	1000	
Cd	111	115	He	0.167	ug/l	39.9	5000	
Sn	118	115	He	-0.757	ug/l	N/A	2000	
Sb	121	115	He	0.308	ug/l	36.0	1000	
Ba	137	159	He	103.967	ug/l	1.9	20000	
Tl	205	209	He	-0.009	ug/l	N/A	1000	
[Pb]	206	209	He	1.019	ug/l	12.6		
[Pb]	207	209	He	0.918	ug/l	5.1		
Pb	208	209	He	0.996	ug/l	5.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5608560.26	1.0	111.1	60	125	
Sc (ISICPMS)	45	No Gas	4859003.57	0.8	100.2	60	125	
Sc (ISICPMS)	45	H2	1286234.78	0.1	99.9	60	125	
Sc (ISICPMS)	45	He	47932.97	0.7	102.5	60	125	
Ge (IS)	74	H2	237779.81	0.7	102.8	60	125	
Ge (IS)	74	He	28555.70	1.2	104.5	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	61850.50	0.8	100.5	60	125	
Tb (IS)	159	He	349536.70	0.3	103.2	60	125	
Bi (IS)	209	He	248502.90	0.1	96.3	60	125	

DRAFT

Sample Report

File Name 147SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 20:31:29

Sample Name **LCSSRM 460-983516/2-A@3**

Comment ---

Dilution **1.0000**

Vial # 2205

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	498.697	ug/l	1.3	2000	
B	11	6	No Gas	681.746	ug/l	0.6	2000	
Na	23	45	He	1585.197	ug/l	0.6	500000	
Mg	24	45	He	5125.450	ug/l	0.4	500000	
Al	27	45	He	19075.602	ug/l	0.8	500000	
K	39	45	He	3855.541	ug/l	2.6	500000	
Ca	40	45	H2	16312.493	ug/l	1.4	1000000	
Ti	47	45	No Gas	960.921	ug/l	1.3	10000	
V	51	45	He	327.139	ug/l	1.0	5000	
Cr	52	45	He	567.206	ug/l	0.8	20000	
Mn	55	45	He	1701.695	ug/l	0.7	20000	
Fe	56	45	H2	19442.596	ug/l	1.9	500000	
Co	59	45	He	261.265	ug/l	1.2	2000	
Ni	60	45	He	987.286	ug/l	0.2	20000	
Cu	63	45	He	657.333	ug/l	0.4	20000	
Zn	66	45	He	515.774	ug/l	0.3	20000	
As	75	74	He	957.101	ug/l	2.6	5000	
Se	78	74	H2	507.554	ug/l	1.8	3000	
Sr	88	115	He	432.906	ug/l	0.9	5000	
Mo	95	115	He	424.721	ug/l	0.8	2000	
Ag	107	115	He	251.016	ug/l	0.2	1000	
Cd	111	115	He	684.044	ug/l	1.4	5000	
Sn	118	115	He	245.306	ug/l	0.7	2000	
Sb	121	115	He	249.144	ug/l	0.7	1000	
Ba	137	159	He	971.789	ug/l	1.3	20000	
Tl	205	209	He	746.155	ug/l	1.3	1000	
[Pb]	206	209	He	307.488	ug/l	1.4		
[Pb]	207	209	He	291.143	ug/l	1.6		
Pb	208	209	He	298.271	ug/l	1.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5910823.87	0.4	117.1	60	125	
Sc (ISICPMS)	45	No Gas	4929399.13	1.2	101.6	60	125	
Sc (ISICPMS)	45	H2	1293668.97	0.9	100.5	60	125	
Sc (ISICPMS)	45	He	48500.51	0.7	103.7	60	125	
Ge (IS)	74	H2	251052.47	1.2	108.6	60	125	
Ge (IS)	74	He	30244.40	1.9	110.7	60	125	
Kr	83	He	10.01	100.0				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	63532.72	0.1	103.2	60	125	
Tb (IS)	159	He	357342.44	0.3	105.5	60	125	
Bi (IS)	209	He	265223.03	1.2	102.8	60	125	

DRAFT

Sample Report

File Name 148SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 20:33:59

Sample Name **460-306890-K-4-B@2**

Comment ---

Dilution **1.0000**

Vial # 2206

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.073	ug/l	14.7	2000	
B	11	6	No Gas	105.058	ug/l	1.5	2000	
Na	23	45	He	247016.505	ug/l	1.1	500000	
Mg	24	45	He	482.193	ug/l	1.9	500000	
Al	27	45	He	307.964	ug/l	13.6	500000	
K	39	45	He	673.896	ug/l	1.1	500000	
Ca	40	45	H2	1376.621	ug/l	0.8	1000000	
Ti	47	45	No Gas	11.126	ug/l	56.6	10000	
V	51	45	He	0.547	ug/l	22.0	5000	
Cr	52	45	He	0.620	ug/l	53.7	20000	
Mn	55	45	He	13.644	ug/l	1.3	20000	
Fe	56	45	H2	456.769	ug/l	1.2	500000	
Co	59	45	He	0.183	ug/l	27.1	2000	
Ni	60	45	He	-13.130	ug/l	N/A	20000	
Cu	63	45	He	1.591	ug/l	4.8	20000	
Zn	66	45	He	3.937	ug/l	28.9	20000	
As	75	74	He	3.234	ug/l	27.5	5000	
Se	78	74	H2	0.078	ug/l	98.1	3000	
Sr	88	115	He	99.254	ug/l	0.7	5000	
Mo	95	115	He	2.722	ug/l	4.0	2000	
Ag	107	115	He	0.007	ug/l	115.1	1000	
Cd	111	115	He	0.077	ug/l	25.0	5000	
Sn	118	115	He	-0.537	ug/l	N/A	2000	
Sb	121	115	He	0.152	ug/l	65.0	1000	
Ba	137	159	He	21.676	ug/l	5.9	20000	
Tl	205	209	He	0.126	ug/l	17.2	1000	
[Pb]	206	209	He	0.993	ug/l	2.1		
[Pb]	207	209	He	0.870	ug/l	6.5		
Pb	208	209	He	0.926	ug/l	7.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5659416.79	0.8	112.1	60	125	
Sc (ISICPMS)	45	No Gas	4869944.06	0.3	100.4	60	125	
Sc (ISICPMS)	45	H2	1282613.99	0.8	99.7	60	125	
Sc (ISICPMS)	45	He	47249.57	1.0	101.0	60	125	
Ge (IS)	74	H2	245202.32	1.3	106.0	60	125	
Ge (IS)	74	He	28188.00	0.6	103.2	60	125	
Kr	83	He	3.34	173.2				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	62378.80	0.3	101.3	60	125	
Tb (IS)	159	He	350600.43	0.5	103.5	60	125	
Bi (IS)	209	He	256427.70	1.0	99.4	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 149_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 20:36:30

Sample Name **rn chk**

Comment ---

Dilution 1.0000

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.015	ug/l	11.9	100	90	110	failed
B	11	6	No Gas	3.299	ug/l	1.1	250	225	275	failed
Na	23	45	He	-12.721	ug/l	N/A	25000	22500	27500	failed
Mg	24	45	He	0.961	ug/l	215.7	25000	22500	27500	failed
Al	27	45	He	2.428	ug/l	39.2	25000	22500	27500	failed
K	39	45	He	-40.509	ug/l	N/A	25000	22500	27500	failed
Ca	40	45	H2	3.926	ug/l	17.3	25000	22500	27500	failed
Ti	47	45	No Gas	-0.165	ug/l	N/A	100	90	110	failed
V	51	45	He	0.018	ug/l	249.9	100	90	110	failed
Cr	52	45	He	-0.183	ug/l	N/A	100	90	110	failed
Mn	55	45	He	-0.594	ug/l	N/A	100	90	110	failed
Fe	56	45	H2	-15.882	ug/l	N/A	25000	22500	27500	failed
Co	59	45	He	-0.030	ug/l	N/A	100	90	110	failed
Ni	60	45	He	-13.912	ug/l	N/A	100	90	110	failed
Cu	63	45	He	-0.051	ug/l	N/A	100	90	110	failed
Zn	66	45	He	-0.334	ug/l	N/A	250	225	275	failed
As	75	74	He	-0.005	ug/l	N/A	100	90	110	failed
Se	78	74	H2	-0.004	ug/l	N/A	100	90	110	failed
Sr	88	115	He	0.070	ug/l	109.4	100	90	110	failed
Mo	95	115	He	0.044	ug/l	46.7	100	90	110	failed
Ag	107	115	He	0.001	ug/l	581.3	50	45	55	failed
Cd	111	115	He	0.000	ug/l	N/A	100	90	110	failed
Sn	118	115	He	-0.012	ug/l	N/A	100	90	110	failed
Sb	121	115	He	0.039	ug/l	140.9	100	90	110	failed
Ba	137	159	He	0.076	ug/l	244.9	100	90	110	failed
Tl	205	209	He	-0.012	ug/l	N/A	100	90	110	failed
[Pb]	206	209	He	-0.007	ug/l	N/A				
[Pb]	207	209	He	0.027	ug/l	156.4				
Pb	208	209	He	0.015	ug/l	97.7	100	90	110	failed

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5744394.43	0.7	113.8	60	125	
Sc (ISICPMS)	45	No Gas	4926189.75	0.7	101.6	60	125	
Sc (ISICPMS)	45	H2	1304392.45	1.1	101.3	60	125	
Sc (ISICPMS)	45	He	48276.30	0.6	103.2	60	125	
Ge (IS)	74	H2	240286.01	0.9	103.9	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	28074.12	1.8	102.8	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	64354.59	1.6	104.5	60	125	
Tb (IS)	159	He	357186.95	0.5	105.5	60	125	
Bi (IS)	209	He	269720.20	0.9	104.5	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 150_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 20:39:00

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	98.145	ug/l	2.1	100	90	110	
B	11	6	No Gas	241.086	ug/l	1.4	250	225	275	
Na	23	45	He	25926.605	ug/l	0.9	25000	22500	27500	
Mg	24	45	He	26425.385	ug/l	0.9	25000	22500	27500	
Al	27	45	He	26830.817	ug/l	0.6	25000	22500	27500	
K	39	45	He	26285.981	ug/l	0.6	25000	22500	27500	
Ca	40	45	H2	25719.609	ug/l	1.8	25000	22500	27500	
Ti	47	45	No Gas	101.617	ug/l	2.1	100	90	110	
V	51	45	He	103.991	ug/l	0.9	100	90	110	
Cr	52	45	He	102.674	ug/l	0.8	100	90	110	
Mn	55	45	He	105.904	ug/l	2.3	100	90	110	
Fe	56	45	H2	25699.958	ug/l	1.4	25000	22500	27500	
Co	59	45	He	102.349	ug/l	0.9	100	90	110	
Ni	60	45	He	86.789	ug/l	1.8	100	90	110	failed
Cu	63	45	He	103.223	ug/l	0.7	100	90	110	
Zn	66	45	He	263.512	ug/l	1.7	250	225	275	
As	75	74	He	105.703	ug/l	4.3	100	90	110	
Se	78	74	H2	98.351	ug/l	2.1	100	90	110	
Sr	88	115	He	103.984	ug/l	0.9	100	90	110	
Mo	95	115	He	101.153	ug/l	1.3	100	90	110	
Ag	107	115	He	50.248	ug/l	0.7	50	45	55	
Cd	111	115	He	101.347	ug/l	1.4	100	90	110	
Sn	118	115	He	103.415	ug/l	2.9	100	90	110	
Sb	121	115	He	104.223	ug/l	0.4	100	90	110	
Ba	137	159	He	106.124	ug/l	2.7	100	90	110	
Tl	205	209	He	102.165	ug/l	0.1	100	90	110	
[Pb]	206	209	He	103.251	ug/l	0.8				
[Pb]	207	209	He	102.841	ug/l	1.3				
Pb	208	209	He	103.099	ug/l	0.6	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5735036.23	0.7	113.6	60	125	
Sc (ISICPMS)	45	No Gas	4977725.93	0.8	102.6	60	125	
Sc (ISICPMS)	45	H2	1310206.89	1.0	101.8	60	125	
Sc (ISICPMS)	45	He	48551.92	1.1	103.8	60	125	
Ge (IS)	74	H2	247336.11	0.6	107.0	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	29538.66	0.3	108.1	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	64067.95	0.8	104.1	60	125	
Tb (IS)	159	He	358459.77	0.5	105.8	60	125	
Bi (IS)	209	He	263620.32	0.6	102.2	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 151_Blk.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 20:41:31

Sample Name **CCB**

Comment ---

Dilution 1.0000

Analyte Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.017	ug/l	30.6	0.8	-0.8	0.8	
B	11	6	No Gas	2.521	ug/l	6.1	40	-40	40	
Na	23	45	He	-7.834	ug/l	N/A	500	-500	500	
Mg	24	45	He	0.404	ug/l	43.9	200	-200	200	
Al	27	45	He	1.588	ug/l	71.9	40	-40	40	
K	39	45	He	-20.087	ug/l	N/A	200	-200	200	
Ca	40	45	H2	6.595	ug/l	13.0	500	-500	500	
Ti	47	45	No Gas	3.300	ug/l	170.3	4	-4	4	
V	51	45	He	0.056	ug/l	256.8	4	-4	4	
Cr	52	45	He	-0.164	ug/l	N/A	4	-4	4	
Mn	55	45	He	-0.395	ug/l	N/A	8	-8	8	
Fe	56	45	H2	-13.288	ug/l	N/A	60	-60	60	
Co	59	45	He	-0.006	ug/l	N/A	4	-4	4	
Ni	60	45	He	-13.671	ug/l	N/A	4	-4	4	> water RL
Cu	63	45	He	-0.149	ug/l	N/A	4	-4	4	
Zn	66	45	He	-0.473	ug/l	N/A	16	-16	16	
As	75	74	He	0.053	ug/l	108.7	2	-2	2	
Se	78	74	H2	0.080	ug/l	73.1	2.5	-2.5	2.5	
Sr	88	115	He	0.004	ug/l	873.2	4	-4	4	
Mo	95	115	He	0.047	ug/l	88.8	4	-4	4	
Ag	107	115	He	0.001	ug/l	307.6	2	-2	2	
Cd	111	115	He	0.032	ug/l	0.7	2	-2	2	
Sn	118	115	He	-0.977	ug/l	N/A	16	-16	16	
Sb	121	115	He	0.035	ug/l	148.3	2	-2	2	
Ba	137	159	He	0.042	ug/l	393.9	4	-4	4	
Tl	205	209	He	-0.017	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	-0.021	ug/l	N/A				
[Pb]	207	209	He	0.067	ug/l	37.5				
Pb	208	209	He	0.032	ug/l	36.1	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5749027.55	0.6	113.9	60	125	
Sc (ISICPMS)	45	No Gas	4940557.53	0.6	101.9	60	125	
Sc (ISICPMS)	45	H2	1298471.81	0.9	100.9	60	125	
Sc (ISICPMS)	45	He	48066.85	0.9	102.8	60	125	
Ge (IS)	74	H2	241905.71	0.6	104.6	60	125	
Ge (IS)	74	He	28876.67	1.1	105.7	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	64525.61	0.7	104.8	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	353868.79	0.4	104.5	60	125	
Bi (IS)	209	He	266604.36	0.7	103.3	60	125	

DRAFT

Sample Report

File Name 152SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 20:44:00

Sample Name **460-306893-S-1-A@2**

Comment ---

Dilution **1.0000**

Vial # 2207

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	38.704	ug/l	1.0	2000	
B	11	6	No Gas	174.208	ug/l	0.4	2000	
Na	23	45	He	53725.878	ug/l	0.8	500000	
Mg	24	45	He	209574.034	ug/l	0.7	500000	
Al	27	45	He	363297.066	ug/l	1.3	500000	
K	39	45	He	65560.012	ug/l	1.0	500000	
Ca	40	45	H2	106732.119	ug/l	0.6	1000000	
Ti	47	45	No Gas	9355.735	ug/l	1.7	10000	>LDR 200.8
V	51	45	He	1335.881	ug/l	1.8	5000	
Cr	52	45	He	679.877	ug/l	1.2	20000	
Mn	55	45	He	9353.499	ug/l	1.1	20000	
Fe	56	45	H2	451353.710	ug/l	1.8	500000	>LDR 200.8
Co	59	45	He	274.778	ug/l	0.7	2000	
Ni	60	45	He	431.065	ug/l	1.7	20000	
Cu	63	45	He	1905.878	ug/l	0.9	20000	
Zn	66	45	He	8741.622	ug/l	1.6	20000	
As	75	74	He	338.974	ug/l	3.6	5000	
Se	78	74	H2	6.876	ug/l	17.8	3000	
Sr	88	115	He	715.361	ug/l	0.8	5000	
Mo	95	115	He	42.751	ug/l	1.6	2000	
Ag	107	115	He	4.071	ug/l	3.6	1000	
Cd	111	115	He	64.500	ug/l	4.9	5000	
Sn	118	115	He	78.125	ug/l	0.5	2000	
Sb	121	115	He	0.732	ug/l	18.5	1000	
Ba	137	159	He	3129.876	ug/l	0.3	20000	
Tl	205	209	He	4.076	ug/l	1.8	1000	
[Pb]	206	209	He	11813.195	ug/l	0.8		
[Pb]	207	209	He	11351.365	ug/l	0.4		
Pb	208	209	He	11522.437	ug/l	0.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5875811.86	0.3	116.4	60	125	
Sc (ISICPMS)	45	No Gas	6362767.26	0.8	131.2	60	125	fail
Sc (ISICPMS)	45	H2	1708472.13	1.3	132.7	60	125	fail
Sc (ISICPMS)	45	He	62527.68	1.5	133.7	60	125	fail
Ge (IS)	74	H2	250710.41	0.4	108.4	60	125	
Ge (IS)	74	He	30575.45	1.2	111.9	60	125	
Kr	83	He	290.30	10.3				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	63425.90	0.6	103.0	60	125	
Tb (IS)	159	He	400449.59	1.3	118.2	60	125	
Bi (IS)	209	He	282348.91	0.5	109.4	60	125	

DRAFT

Sample Report

File Name 153SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 20:46:33

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.018	ug/l	47.6	2000	
B	11	6	No Gas	2.138	ug/l	7.4	2000	
Na	23	45	He	-16.993	ug/l	N/A	500000	
Mg	24	45	He	3.719	ug/l	10.7	500000	
Al	27	45	He	4.374	ug/l	61.5	500000	
K	39	45	He	-24.839	ug/l	N/A	500000	
Ca	40	45	H2	5.239	ug/l	19.4	1000000	
Ti	47	45	No Gas	0.133	ug/l	15.1	10000	
V	51	45	He	-0.106	ug/l	N/A	5000	
Cr	52	45	He	-0.367	ug/l	N/A	20000	
Mn	55	45	He	-0.023	ug/l	N/A	20000	
Fe	56	45	H2	2.317	ug/l	23.9	500000	
Co	59	45	He	-0.009	ug/l	N/A	2000	
Ni	60	45	He	-14.352	ug/l	N/A	20000	
Cu	63	45	He	0.102	ug/l	21.3	20000	
Zn	66	45	He	0.607	ug/l	153.1	20000	
As	75	74	He	-0.077	ug/l	N/A	5000	
Se	78	74	H2	-0.021	ug/l	N/A	3000	
Sr	88	115	He	0.024	ug/l	70.0	5000	
Mo	95	115	He	-0.016	ug/l	N/A	2000	
Ag	107	115	He	0.001	ug/l	1365.1	1000	
Cd	111	115	He	0.011	ug/l	173.2	5000	
Sn	118	115	He	-0.241	ug/l	N/A	2000	
Sb	121	115	He	0.030	ug/l	135.2	1000	
Ba	137	159	He	0.356	ug/l	26.4	20000	
Tl	205	209	He	-0.045	ug/l	N/A	1000	
[Pb]	206	209	He	0.432	ug/l	5.4		
[Pb]	207	209	He	0.577	ug/l	12.3		
Pb	208	209	He	0.507	ug/l	3.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5489031.65	0.5	108.7	60	125	
Sc (ISICPMS)	45	No Gas	5068424.68	0.6	104.5	60	125	
Sc (ISICPMS)	45	H2	1306740.74	1.5	101.5	60	125	
Sc (ISICPMS)	45	He	48919.80	1.0	104.6	60	125	
Ge (IS)	74	H2	240038.19	0.9	103.8	60	125	
Ge (IS)	74	He	28983.78	1.3	106.1	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	63944.13	0.3	103.9	60	125	
Tb (IS)	159	He	349529.07	0.6	103.2	60	125	
Bi (IS)	209	He	265409.23	0.9	102.9	60	125	

DRAFT

Sample Report

File Name 154SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 20:49:04

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.007	ug/l	94.1	2000	
B	11	6	No Gas	0.718	ug/l	20.5	2000	
Na	23	45	He	-23.170	ug/l	N/A	500000	
Mg	24	45	He	0.447	ug/l	131.1	500000	
Al	27	45	He	5.664	ug/l	27.8	500000	
K	39	45	He	-13.149	ug/l	N/A	500000	
Ca	40	45	H2	2.600	ug/l	7.8	1000000	
Ti	47	45	No Gas	-0.305	ug/l	N/A	10000	
V	51	45	He	-0.053	ug/l	N/A	5000	
Cr	52	45	He	-0.240	ug/l	N/A	20000	
Mn	55	45	He	-0.171	ug/l	N/A	20000	
Fe	56	45	H2	-10.636	ug/l	N/A	500000	
Co	59	45	He	0.023	ug/l	109.1	2000	
Ni	60	45	He	-14.514	ug/l	N/A	20000	
Cu	63	45	He	0.068	ug/l	76.9	20000	
Zn	66	45	He	0.379	ug/l	62.2	20000	
As	75	74	He	-0.078	ug/l	N/A	5000	
Se	78	74	H2	0.011	ug/l	1066.6	3000	
Sr	88	115	He	0.096	ug/l	117.4	5000	
Mo	95	115	He	-0.025	ug/l	N/A	2000	
Ag	107	115	He	-0.005	ug/l	N/A	1000	
Cd	111	115	He	0.011	ug/l	173.2	5000	
Sn	118	115	He	0.117	ug/l	481.5	2000	
Sb	121	115	He	0.044	ug/l	42.1	1000	
Ba	137	159	He	0.112	ug/l	147.5	20000	
Tl	205	209	He	-0.053	ug/l	N/A	1000	
[Pb]	206	209	He	0.269	ug/l	19.1		
[Pb]	207	209	He	0.236	ug/l	21.8		
Pb	208	209	He	0.264	ug/l	15.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5645122.90	0.7	111.8	60	125	
Sc (ISICPMS)	45	No Gas	5146904.99	0.4	106.1	60	125	
Sc (ISICPMS)	45	H2	1333038.87	0.3	103.6	60	125	
Sc (ISICPMS)	45	He	49339.12	0.2	105.5	60	125	
Ge (IS)	74	H2	243775.65	0.9	105.4	60	125	
Ge (IS)	74	He	29287.96	2.5	107.2	60	125	
Kr	83	He	3.34	173.2				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	64971.38	0.7	105.5	60	125	
Tb (IS)	159	He	356734.74	0.4	105.3	60	125	
Bi (IS)	209	He	271117.80	0.5	105.1	60	125	

DRAFT

Sample Report

File Name 155SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 20:51:34

Sample Name **460-306893-S-1-A@5**

Comment ---

Dilution **1.0000**

Vial # 2208

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	16.167	ug/l	2.4	2000	
B	11	6	No Gas	73.413	ug/l	1.1	2000	
Na	23	45	He	25288.957	ug/l	1.5	500000	
Mg	24	45	He	99690.903	ug/l	1.8	500000	
Al	27	45	He	171185.759	ug/l	1.3	500000	
K	39	45	He	30377.080	ug/l	2.3	500000	
Ca	40	45	H2	49107.734	ug/l	1.1	1000000	
Ti	47	45	No Gas	4326.184	ug/l	1.0	10000	
V	51	45	He	629.767	ug/l	1.7	5000	
Cr	52	45	He	323.498	ug/l	1.8	20000	
Mn	55	45	He	4304.959	ug/l	1.7	20000	
Fe	56	45	H2	211595.951	ug/l	0.5	500000	
Co	59	45	He	131.443	ug/l	1.7	2000	
Ni	60	45	He	202.242	ug/l	1.4	20000	
Cu	63	45	He	868.908	ug/l	2.5	20000	
Zn	66	45	He	4154.633	ug/l	1.7	20000	
As	75	74	He	137.252	ug/l	6.1	5000	
Se	78	74	H2	2.760	ug/l	5.1	3000	
Sr	88	115	He	288.723	ug/l	0.8	5000	
Mo	95	115	He	16.542	ug/l	4.1	2000	
Ag	107	115	He	1.731	ug/l	7.7	1000	
Cd	111	115	He	27.169	ug/l	4.9	5000	
Sn	118	115	He	31.924	ug/l	2.8	2000	
Sb	121	115	He	0.351	ug/l	3.2	1000	
Ba	137	159	He	1373.591	ug/l	1.1	20000	
Tl	205	209	He	1.772	ug/l	4.5	1000	
[Pb]	206	209	He	5142.656	ug/l	1.0		
[Pb]	207	209	He	4960.870	ug/l	0.6		
Pb	208	209	He	5047.458	ug/l	1.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5592635.96	1.2	110.8	60	125	
Sc (ISICPMS)	45	No Gas	5615256.93	0.7	115.8	60	125	
Sc (ISICPMS)	45	H2	1498886.17	0.2	116.5	60	125	
Sc (ISICPMS)	45	He	54335.54	1.4	116.2	60	125	
Ge (IS)	74	H2	253666.86	0.5	109.7	60	125	
Ge (IS)	74	He	30776.04	2.6	112.6	60	125	
Kr	83	He	73.41	28.4				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	63689.46	0.5	103.5	60	125	
Tb (IS)	159	He	375070.53	1.3	110.7	60	125	
Bi (IS)	209	He	269623.96	0.4	104.5	60	125	

DRAFT

Sample Report

File Name 156SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 20:54:06

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.002	ug/l	N/A	2000	
B	11	6	No Gas	0.563	ug/l	33.2	2000	
Na	23	45	He	-29.447	ug/l	N/A	500000	
Mg	24	45	He	1.348	ug/l	40.3	500000	
Al	27	45	He	3.864	ug/l	71.4	500000	
K	39	45	He	-14.785	ug/l	N/A	500000	
Ca	40	45	H2	1.641	ug/l	46.9	1000000	
Ti	47	45	No Gas	-0.319	ug/l	N/A	10000	
V	51	45	He	-0.045	ug/l	N/A	5000	
Cr	52	45	He	-0.170	ug/l	N/A	20000	
Mn	55	45	He	-0.017	ug/l	N/A	20000	
Fe	56	45	H2	-0.521	ug/l	N/A	500000	
Co	59	45	He	-0.021	ug/l	N/A	2000	
Ni	60	45	He	-14.314	ug/l	N/A	20000	
Cu	63	45	He	0.042	ug/l	230.0	20000	
Zn	66	45	He	0.399	ug/l	103.0	20000	
As	75	74	He	-0.111	ug/l	N/A	5000	
Se	78	74	H2	-0.005	ug/l	N/A	3000	
Sr	88	115	He	0.050	ug/l	143.9	5000	
Mo	95	115	He	-0.001	ug/l	N/A	2000	
Ag	107	115	He	0.002	ug/l	76.0	1000	
Cd	111	115	He	0.011	ug/l	173.2	5000	
Sn	118	115	He	0.228	ug/l	64.5	2000	
Sb	121	115	He	0.055	ug/l	26.7	1000	
Ba	137	159	He	-0.032	ug/l	N/A	20000	
Tl	205	209	He	-0.059	ug/l	N/A	1000	
[Pb]	206	209	He	0.324	ug/l	13.4		
[Pb]	207	209	He	0.356	ug/l	2.9		
Pb	208	209	He	0.348	ug/l	2.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5575051.38	0.7	110.4	60	125	
Sc (ISICPMS)	45	No Gas	5121707.49	1.1	105.6	60	125	
Sc (ISICPMS)	45	H2	1321923.99	0.4	102.7	60	125	
Sc (ISICPMS)	45	He	49633.45	0.7	106.1	60	125	
Ge (IS)	74	H2	242782.96	0.4	105.0	60	125	
Ge (IS)	74	He	29665.74	1.5	108.6	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	64842.76	1.0	105.3	60	125	
Tb (IS)	159	He	357286.94	0.4	105.5	60	125	
Bi (IS)	209	He	273388.12	0.9	106.0	60	125	

DRAFT

Sample Report

File Name 157SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 20:56:36

Sample Name **PDS 460-306925-A-70-B**

Comment ---

Dilution **1.0000**

Vial # 2209

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	36.793	ug/l	2.4	2000	
B	11	6	No Gas	490.100	ug/l	0.9	2000	
Na	23	45	He	4041.678	ug/l	1.6	500000	
Mg	24	45	He	17035.220	ug/l	2.4	500000	
Al	27	45	He	109226.472	ug/l	1.9	500000	
K	39	45	He	4436.160	ug/l	2.4	500000	
Ca	40	45	H2	21284.192	ug/l	1.3	1000000	
Ti	47	45	No Gas	6966.238	ug/l	0.7	10000	
V	51	45	He	490.169	ug/l	2.1	5000	
Cr	52	45	He	521.741	ug/l	2.1	20000	
Mn	55	45	He	11471.727	ug/l	2.7	20000	
Fe	56	45	H2	480178.880	ug/l	1.7	500000	>LDR 200.8
Co	59	45	He	178.095	ug/l	2.2	2000	
Ni	60	45	He	137.991	ug/l	3.2	20000	
Cu	63	45	He	449.816	ug/l	2.1	20000	
Zn	66	45	He	280.855	ug/l	2.5	20000	
As	75	74	He	71.427	ug/l	1.0	5000	
Se	78	74	H2	47.947	ug/l	2.9	3000	
Sr	88	115	He	232.658	ug/l	0.8	5000	
Mo	95	115	He	50.533	ug/l	1.5	2000	
Ag	107	115	He	21.217	ug/l	0.3	1000	
Cd	111	115	He	24.077	ug/l	3.2	5000	
Sn	118	115	He	74.317	ug/l	2.1	2000	
Sb	121	115	He	30.497	ug/l	1.6	1000	
Ba	137	159	He	538.304	ug/l	0.6	20000	
Tl	205	209	He	19.263	ug/l	1.0	1000	
[Pb]	206	209	He	187.960	ug/l	0.9		
[Pb]	207	209	He	176.302	ug/l	0.2		
Pb	208	209	He	181.802	ug/l	0.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5401819.30	0.6	107.0	60	125	
Sc (ISICPMS)	45	No Gas	5438834.57	0.6	112.1	60	125	
Sc (ISICPMS)	45	H2	1410789.18	0.9	109.6	60	125	
Sc (ISICPMS)	45	He	51872.74	2.1	110.9	60	125	
Ge (IS)	74	H2	248390.02	0.6	107.4	60	125	
Ge (IS)	74	He	29819.53	2.8	109.1	60	125	
Kr	83	He	33.37	62.4				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	62518.94	0.2	101.6	60	125	
Tb (IS)	159	He	362216.25	0.7	106.9	60	125	
Bi (IS)	209	He	263719.78	0.6	102.2	60	125	

DRAFT

Sample Report

File Name 158SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 20:59:07

Sample Name **460-306925-A-70-D MS**

Comment ---

Dilution **1.0000**

Vial # 2210

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	48.912	ug/l	0.2	2000	
B	11	6	No Gas	826.530	ug/l	0.6	2000	
Na	23	45	He	5219.883	ug/l	1.2	500000	
Mg	24	45	He	15080.124	ug/l	2.1	500000	
Al	27	45	He	82126.911	ug/l	2.0	500000	
K	39	45	He	4773.235	ug/l	1.8	500000	
Ca	40	45	H2	18157.275	ug/l	0.8	1000000	
Ti	47	45	No Gas	4625.387	ug/l	1.4	10000	
V	51	45	He	378.423	ug/l	1.3	5000	
Cr	52	45	He	394.758	ug/l	1.0	20000	
Mn	55	45	He	3226.876	ug/l	0.7	20000	
Fe	56	45	H2	328704.999	ug/l	0.5	500000	
Co	59	45	He	83.166	ug/l	0.5	2000	
Ni	60	45	He	141.177	ug/l	0.6	20000	
Cu	63	45	He	383.621	ug/l	1.8	20000	
Zn	66	45	He	443.486	ug/l	0.9	20000	
As	75	74	He	97.699	ug/l	2.5	5000	
Se	78	74	H2	79.008	ug/l	2.1	3000	
Sr	88	115	He	219.669	ug/l	0.3	5000	
Mo	95	115	He	86.058	ug/l	1.2	2000	
Ag	107	115	He	42.171	ug/l	0.7	1000	
Cd	111	115	He	44.259	ug/l	3.6	5000	
Sn	118	115	He	101.544	ug/l	1.5	2000	
Sb	121	115	He	30.798	ug/l	1.8	1000	
Ba	137	159	He	409.885	ug/l	1.6	20000	
Tl	205	209	He	35.181	ug/l	1.1	1000	
[Pb]	206	209	He	146.352	ug/l	1.0		
[Pb]	207	209	He	138.330	ug/l	1.2		
Pb	208	209	He	142.507	ug/l	0.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5284705.96	0.7	104.7	60	125	
Sc (ISICPMS)	45	No Gas	5163553.60	0.9	106.5	60	125	
Sc (ISICPMS)	45	H2	1389201.42	0.8	107.9	60	125	
Sc (ISICPMS)	45	He	50941.65	1.2	108.9	60	125	
Ge (IS)	74	H2	250825.06	0.9	108.5	60	125	
Ge (IS)	74	He	29802.80	0.4	109.1	60	125	
Kr	83	He	36.70	41.7				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	63303.82	0.9	102.8	60	125	
Tb (IS)	159	He	361915.58	1.1	106.9	60	125	
Bi (IS)	209	He	265645.58	0.1	103.0	60	125	

DRAFT

Sample Report

File Name 159SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 21:01:38

Sample Name **460-306925-A-70-C DU**

Comment ---

Dilution **1.0000**

Vial # 2211

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	8.277	ug/l	1.7	2000	
B	11	6	No Gas	35.191	ug/l	3.7	2000	
Na	23	45	He	1116.402	ug/l	1.0	500000	
Mg	24	45	He	11196.371	ug/l	1.1	500000	
Al	27	45	He	70053.306	ug/l	0.2	500000	
K	39	45	He	1414.030	ug/l	2.4	500000	
Ca	40	45	H2	14954.429	ug/l	1.4	1000000	
Ti	47	45	No Gas	4392.784	ug/l	0.8	10000	
V	51	45	He	304.505	ug/l	1.7	5000	
Cr	52	45	He	313.735	ug/l	1.3	20000	
Mn	55	45	He	2258.050	ug/l	0.7	20000	
Fe	56	45	H2	344350.951	ug/l	0.8	500000	
Co	59	45	He	33.587	ug/l	0.6	2000	
Ni	60	45	He	62.925	ug/l	2.2	20000	
Cu	63	45	He	352.595	ug/l	0.7	20000	
Zn	66	45	He	50.802	ug/l	2.5	20000	
As	75	74	He	14.509	ug/l	12.0	5000	
Se	78	74	H2	0.655	ug/l	19.1	3000	
Sr	88	115	He	140.235	ug/l	0.6	5000	
Mo	95	115	He	1.301	ug/l	7.2	2000	
Ag	107	115	He	0.125	ug/l	4.2	1000	
Cd	111	115	He	0.142	ug/l	47.3	5000	
Sn	118	115	He	17.503	ug/l	3.9	2000	
Sb	121	115	He	3.770	ug/l	4.1	1000	
Ba	137	159	He	367.314	ug/l	1.5	20000	
Tl	205	209	He	0.072	ug/l	12.1	1000	
[Pb]	206	209	He	102.927	ug/l	1.6		
[Pb]	207	209	He	94.996	ug/l	1.5		
Pb	208	209	He	98.930	ug/l	1.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5354986.76	0.5	106.1	60	125	
Sc (ISICPMS)	45	No Gas	5193301.94	0.6	107.1	60	125	
Sc (ISICPMS)	45	H2	1385621.92	0.8	107.7	60	125	
Sc (ISICPMS)	45	He	50696.35	0.9	108.4	60	125	
Ge (IS)	74	H2	248460.63	1.7	107.5	60	125	
Ge (IS)	74	He	29458.56	2.4	107.8	60	125	
Kr	83	He	33.37	17.3				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	62577.15	1.2	101.7	60	125	
Tb (IS)	159	He	358709.63	0.5	105.9	60	125	
Bi (IS)	209	He	270297.18	1.1	104.8	60	125	

DRAFT

Sample Report

File Name 160SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 21:04:09

Sample Name **460-306925-A-70-B**

Comment ---

Dilution **1.0000**

Vial # 2212

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	13.032	ug/l	1.4	2000	
B	11	6	No Gas	37.904	ug/l	1.1	2000	
Na	23	45	He	1770.361	ug/l	0.9	500000	
Mg	24	45	He	14867.175	ug/l	0.7	500000	
Al	27	45	He	107188.410	ug/l	0.8	500000	
K	39	45	He	2125.699	ug/l	3.0	500000	
Ca	40	45	H2	18715.171	ug/l	0.6	1000000	
Ti	47	45	No Gas	6953.100	ug/l	1.1	10000	
V	51	45	He	446.622	ug/l	0.3	5000	
Cr	52	45	He	477.850	ug/l	0.4	20000	
Mn	55	45	He	11405.636	ug/l	1.2	20000	
Fe	56	45	H2	473138.639	ug/l	0.3	500000	>LDR 200.8
Co	59	45	He	156.867	ug/l	0.8	2000	
Ni	60	45	He	94.225	ug/l	1.0	20000	
Cu	63	45	He	410.920	ug/l	0.8	20000	
Zn	66	45	He	70.330	ug/l	1.3	20000	
As	75	74	He	22.276	ug/l	3.5	5000	
Se	78	74	H2	0.848	ug/l	32.4	3000	
Sr	88	115	He	185.873	ug/l	1.7	5000	
Mo	95	115	He	1.858	ug/l	8.2	2000	
Ag	107	115	He	0.135	ug/l	20.0	1000	
Cd	111	115	He	0.234	ug/l	27.5	5000	
Sn	118	115	He	24.283	ug/l	1.6	2000	
Sb	121	115	He	5.625	ug/l	4.7	1000	
Ba	137	159	He	485.097	ug/l	1.5	20000	
Tl	205	209	He	0.115	ug/l	9.9	1000	
[Pb]	206	209	He	162.461	ug/l	0.3		
[Pb]	207	209	He	151.146	ug/l	1.2		
Pb	208	209	He	157.147	ug/l	0.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5471564.08	0.5	108.4	60	125	
Sc (ISICPMS)	45	No Gas	5390508.88	1.7	111.1	60	125	
Sc (ISICPMS)	45	H2	1409805.26	1.0	109.5	60	125	
Sc (ISICPMS)	45	He	51006.29	0.5	109.1	60	125	
Ge (IS)	74	H2	245697.85	0.9	106.3	60	125	
Ge (IS)	74	He	29257.81	0.4	107.1	60	125	
Kr	83	He	60.06	50.0				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	61639.18	1.4	100.1	60	125	
Tb (IS)	159	He	364842.61	0.6	107.7	60	125	
Bi (IS)	209	He	266129.78	0.7	103.1	60	125	

DRAFT

Sample Report

File Name 161SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 21:06:40

Sample Name **SD 460-306925-A-70-B@5**

Comment ---

Dilution **1.0000**

Vial # 2301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	2.602	ug/l	1.8	2000	
B	11	6	No Gas	9.436	ug/l	2.0	2000	
Na	23	45	He	378.016	ug/l	4.7	500000	
Mg	24	45	He	3154.502	ug/l	0.9	500000	
Al	27	45	He	22677.152	ug/l	0.8	500000	
K	39	45	He	458.233	ug/l	5.3	500000	
Ca	40	45	H2	3957.397	ug/l	0.5	1000000	
Ti	47	45	No Gas	1422.858	ug/l	1.7	10000	
V	51	45	He	94.173	ug/l	1.7	5000	
Cr	52	45	He	102.345	ug/l	1.2	20000	
Mn	55	45	He	2348.808	ug/l	1.1	20000	
Fe	56	45	H2	101498.787	ug/l	0.3	500000	
Co	59	45	He	33.211	ug/l	3.9	2000	
Ni	60	45	He	9.914	ug/l	1.7	20000	
Cu	63	45	He	89.376	ug/l	1.3	20000	
Zn	66	45	He	14.536	ug/l	5.4	20000	
As	75	74	He	4.477	ug/l	13.4	5000	
Se	78	74	H2	0.076	ug/l	101.1	3000	
Sr	88	115	He	37.764	ug/l	4.0	5000	
Mo	95	115	He	0.390	ug/l	3.3	2000	
Ag	107	115	He	0.036	ug/l	12.8	1000	
Cd	111	115	He	0.066	ug/l	49.7	5000	
Sn	118	115	He	4.645	ug/l	8.6	2000	
Sb	121	115	He	1.084	ug/l	8.3	1000	
Ba	137	159	He	102.300	ug/l	0.3	20000	
Tl	205	209	He	-0.027	ug/l	N/A	1000	
[Pb]	206	209	He	32.735	ug/l	0.9		
[Pb]	207	209	He	30.960	ug/l	2.0		
Pb	208	209	He	32.017	ug/l	1.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5366563.74	0.9	106.3	60	125	
Sc (ISICPMS)	45	No Gas	5028616.87	0.5	103.7	60	125	
Sc (ISICPMS)	45	H2	1309473.71	0.7	101.7	60	125	
Sc (ISICPMS)	45	He	47548.47	0.4	101.7	60	125	
Ge (IS)	74	H2	247377.19	0.8	107.0	60	125	
Ge (IS)	74	He	29501.97	1.1	108.0	60	125	
Kr	83	He	6.67	86.6				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	62055.19	0.9	100.8	60	125	
Tb (IS)	159	He	351244.91	0.8	103.7	60	125	
Bi (IS)	209	He	263437.48	0.5	102.1	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 162_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 21:09:11

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	97.409	ug/l	0.6	100	90	110	
B	11	6	No Gas	243.337	ug/l	1.1	250	225	275	
Na	23	45	He	25753.703	ug/l	0.7	25000	22500	27500	
Mg	24	45	He	25912.864	ug/l	0.3	25000	22500	27500	
Al	27	45	He	26169.940	ug/l	0.6	25000	22500	27500	
K	39	45	He	25920.622	ug/l	0.9	25000	22500	27500	
Ca	40	45	H2	25905.947	ug/l	1.0	25000	22500	27500	
Ti	47	45	No Gas	101.676	ug/l	0.8	100	90	110	
V	51	45	He	101.132	ug/l	0.9	100	90	110	
Cr	52	45	He	101.656	ug/l	1.5	100	90	110	
Mn	55	45	He	103.598	ug/l	0.3	100	90	110	
Fe	56	45	H2	26101.116	ug/l	1.0	25000	22500	27500	
Co	59	45	He	103.118	ug/l	0.6	100	90	110	
Ni	60	45	He	90.362	ug/l	2.0	100	90	110	
Cu	63	45	He	103.449	ug/l	1.2	100	90	110	
Zn	66	45	He	260.881	ug/l	0.9	250	225	275	
As	75	74	He	104.453	ug/l	6.2	100	90	110	
Se	78	74	H2	98.479	ug/l	3.0	100	90	110	
Sr	88	115	He	105.944	ug/l	1.7	100	90	110	
Mo	95	115	He	104.105	ug/l	2.8	100	90	110	
Ag	107	115	He	51.153	ug/l	0.9	50	45	55	
Cd	111	115	He	102.824	ug/l	1.3	100	90	110	
Sn	118	115	He	105.078	ug/l	2.2	100	90	110	
Sb	121	115	He	104.767	ug/l	0.8	100	90	110	
Ba	137	159	He	105.100	ug/l	0.2	100	90	110	
Tl	205	209	He	101.908	ug/l	0.6	100	90	110	
[Pb]	206	209	He	103.390	ug/l	1.4				
[Pb]	207	209	He	102.450	ug/l	1.2				
Pb	208	209	He	102.954	ug/l	1.1	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5473747.49	0.7	108.4	60	125	
Sc (ISICPMS)	45	No Gas	4918232.60	1.8	101.4	60	125	
Sc (ISICPMS)	45	H2	1281757.14	1.1	99.6	60	125	
Sc (ISICPMS)	45	He	47928.70	0.9	102.5	60	125	
Ge (IS)	74	H2	240755.28	0.9	104.1	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	29211.09	4.2	106.9	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	62540.65	0.9	101.6	60	125	
Tb (IS)	159	He	352643.29	0.3	104.1	60	125	
Bi (IS)	209	He	262867.75	0.9	101.9	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 163_Blk.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 21:11:41

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.015	ug/l	45.1	0.8	-0.8	0.8	
B	11	6	No Gas	2.358	ug/l	10.6	40	-40	40	
Na	23	45	He	-9.065	ug/l	N/A	500	-500	500	
Mg	24	45	He	0.596	ug/l	58.2	200	-200	200	
Al	27	45	He	1.967	ug/l	273.6	40	-40	40	
K	39	45	He	-18.510	ug/l	N/A	200	-200	200	
Ca	40	45	H2	0.726	ug/l	124.0	500	-500	500	
Ti	47	45	No Gas	0.027	ug/l	64.1	4	-4	4	
V	51	45	He	-0.085	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.063	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.087	ug/l	142.5	8	-8	8	
Fe	56	45	H2	-1.316	ug/l	N/A	60	-60	60	
Co	59	45	He	0.019	ug/l	124.7	4	-4	4	
Ni	60	45	He	-13.985	ug/l	N/A	4	-4	4	> water RL
Cu	63	45	He	-0.117	ug/l	N/A	4	-4	4	
Zn	66	45	He	-0.475	ug/l	N/A	16	-16	16	
As	75	74	He	0.059	ug/l	262.0	2	-2	2	
Se	78	74	H2	-0.003	ug/l	N/A	2.5	-2.5	2.5	
Sr	88	115	He	-0.012	ug/l	N/A	4	-4	4	
Mo	95	115	He	0.039	ug/l	144.0	4	-4	4	
Ag	107	115	He	-0.001	ug/l	N/A	2	-2	2	
Cd	111	115	He	0.000	ug/l	N/A	2	-2	2	
Sn	118	115	He	-0.749	ug/l	N/A	16	-16	16	
Sb	121	115	He	0.092	ug/l	72.5	2	-2	2	
Ba	137	159	He	0.010	ug/l	329.7	4	-4	4	
Tl	205	209	He	-0.005	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.092	ug/l	35.8				
[Pb]	207	209	He	0.125	ug/l	27.7				
Pb	208	209	He	0.123	ug/l	26.5	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5399352.91	0.8	107.0	60	125	
Sc (ISICPMS)	45	No Gas	4928114.58	1.2	101.6	60	125	
Sc (ISICPMS)	45	H2	1294481.30	1.4	100.6	60	125	
Sc (ISICPMS)	45	He	46810.37	0.9	100.1	60	125	
Ge (IS)	74	H2	238661.21	1.0	103.2	60	125	
Ge (IS)	74	He	28298.14	2.4	103.6	60	125	
Kr	83	He	3.34	173.2				
In-1	115	He	62598.39	1.2	101.7	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	347170.13	1.2	102.5	60	125	
Bi (IS)	209	He	264691.31	0.4	102.6	60	125	

DRAFT

Sample Report

File Name 164SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 21:14:11

Sample Name **460-306964-D-9-A**

Comment ---

Dilution **1.0000**

Vial # 2302

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.008	ug/l	0.7	2000	
B	11	6	No Gas	0.822	ug/l	10.7	2000	
Na	23	45	He	-43.587	ug/l	N/A	500000	
Mg	24	45	He	2.842	ug/l	49.6	500000	
Al	27	45	He	1.386	ug/l	42.9	500000	
K	39	45	He	-24.558	ug/l	N/A	500000	
Ca	40	45	H2	79.426	ug/l	2.0	1000000	
Ti	47	45	No Gas	-0.830	ug/l	N/A	10000	
V	51	45	He	-0.097	ug/l	N/A	5000	
Cr	52	45	He	-0.197	ug/l	N/A	20000	
Mn	55	45	He	-0.139	ug/l	N/A	20000	
Fe	56	45	H2	-8.257	ug/l	N/A	500000	
Co	59	45	He	-0.018	ug/l	N/A	2000	
Ni	60	45	He	-14.421	ug/l	N/A	20000	
Cu	63	45	He	0.216	ug/l	54.7	20000	
Zn	66	45	He	0.155	ug/l	59.5	20000	
As	75	74	He	-0.035	ug/l	N/A	5000	
Se	78	74	H2	-0.002	ug/l	N/A	3000	
Sr	88	115	He	0.149	ug/l	61.1	5000	
Mo	95	115	He	-0.039	ug/l	N/A	2000	
Ag	107	115	He	0.001	ug/l	804.2	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	-1.037	ug/l	N/A	2000	
Sb	121	115	He	0.058	ug/l	48.9	1000	
Ba	137	159	He	0.010	ug/l	331.3	20000	
Tl	205	209	He	-0.058	ug/l	N/A	1000	
[Pb]	206	209	He	0.049	ug/l	62.2		
[Pb]	207	209	He	0.077	ug/l	30.9		
Pb	208	209	He	0.077	ug/l	16.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5462950.54	0.3	108.2	60	125	
Sc (ISICPMS)	45	No Gas	4914533.29	1.3	101.3	60	125	
Sc (ISICPMS)	45	H2	1288082.86	0.9	100.1	60	125	
Sc (ISICPMS)	45	He	47177.05	0.7	100.9	60	125	
Ge (IS)	74	H2	234004.32	0.9	101.2	60	125	
Ge (IS)	74	He	27265.09	1.8	99.8	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	63059.83	0.3	102.4	60	125	
Tb (IS)	159	He	346864.79	1.0	102.4	60	125	
Bi (IS)	209	He	265825.63	0.5	103.0	60	125	

DRAFT

Sample Report

File Name 165SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 21:16:41

Sample Name **460-306991-K-7-A@2**

Comment ---

Dilution **1.0000**

Vial # 2303

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.007	ug/l	111.4	2000	
B	11	6	No Gas	23.034	ug/l	2.5	2000	
Na	23	45	He	216014.830	ug/l	0.4	500000	
Mg	24	45	He	27.960	ug/l	4.9	500000	
Al	27	45	He	9.445	ug/l	33.8	500000	
K	39	45	He	287669.369	ug/l	0.7	500000	
Ca	40	45	H2	227242.840	ug/l	1.6	1000000	
Ti	47	45	No Gas	-0.110	ug/l	N/A	10000	
V	51	45	He	0.754	ug/l	18.3	5000	
Cr	52	45	He	41.865	ug/l	1.0	20000	
Mn	55	45	He	-0.064	ug/l	N/A	20000	
Fe	56	45	H2	-1.292	ug/l	N/A	500000	
Co	59	45	He	0.622	ug/l	5.7	2000	
Ni	60	45	He	-4.464	ug/l	N/A	20000	
Cu	63	45	He	2.461	ug/l	2.1	20000	
Zn	66	45	He	2.795	ug/l	7.0	20000	
As	75	74	He	24.661	ug/l	11.1	5000	
Se	78	74	H2	9.293	ug/l	5.4	3000	
Sr	88	115	He	1086.988	ug/l	0.2	5000	
Mo	95	115	He	714.598	ug/l	0.7	2000	
Ag	107	115	He	0.004	ug/l	180.4	1000	
Cd	111	115	He	0.105	ug/l	87.7	5000	
Sn	118	115	He	-0.562	ug/l	N/A	2000	
Sb	121	115	He	0.101	ug/l	80.0	1000	
Ba	137	159	He	105.119	ug/l	1.8	20000	
Tl	205	209	He	-0.052	ug/l	N/A	1000	
[Pb]	206	209	He	1.068	ug/l	3.1		
[Pb]	207	209	He	1.057	ug/l	3.0		
Pb	208	209	He	1.055	ug/l	2.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5307697.94	0.9	105.1	60	125	
Sc (ISICPMS)	45	No Gas	4792973.37	1.0	98.8	60	125	
Sc (ISICPMS)	45	H2	1246626.35	0.7	96.9	60	125	
Sc (ISICPMS)	45	He	45756.80	0.2	97.8	60	125	
Ge (IS)	74	H2	229467.20	0.5	99.2	60	125	
Ge (IS)	74	He	27519.15	2.8	100.7	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	58769.31	0.8	95.5	60	125	
Tb (IS)	159	He	333308.33	0.7	98.4	60	125	
Bi (IS)	209	He	239556.27	0.9	92.8	60	125	

DRAFT

Sample Report

File Name 166SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 21:19:12

Sample Name **460-307063-I-3-A@10**

Comment ---

Dilution **1.0000**

Vial # 2304

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.428	ug/l	7.7	2000	
B	11	6	No Gas	100.761	ug/l	0.4	2000	
Na	23	45	He	226930.637	ug/l	0.8	500000	
Mg	24	45	He	28956.162	ug/l	0.1	500000	
Al	27	45	He	2220.301	ug/l	0.3	500000	
K	39	45	He	8593.740	ug/l	0.5	500000	
Ca	40	45	H2	17700.913	ug/l	1.3	1000000	
Ti	47	45	No Gas	69.177	ug/l	1.1	10000	
V	51	45	He	105.188	ug/l	1.1	5000	
Cr	52	45	He	21.075	ug/l	2.9	20000	
Mn	55	45	He	174.108	ug/l	1.7	20000	
Fe	56	45	H2	9151.757	ug/l	1.5	500000	
Co	59	45	He	2.224	ug/l	2.2	2000	
Ni	60	45	He	0.261	ug/l	72.8	20000	
Cu	63	45	He	30.601	ug/l	2.8	20000	
Zn	66	45	He	54.680	ug/l	3.2	20000	
As	75	74	He	89.949	ug/l	1.2	5000	
Se	78	74	H2	0.453	ug/l	40.0	3000	
Sr	88	115	He	308.925	ug/l	1.0	5000	
Mo	95	115	He	2.579	ug/l	5.5	2000	
Ag	107	115	He	0.143	ug/l	26.9	1000	
Cd	111	115	He	0.147	ug/l	35.0	5000	
Sn	118	115	He	23.806	ug/l	1.0	2000	
Sb	121	115	He	0.618	ug/l	15.3	1000	
Ba	137	159	He	56.135	ug/l	2.9	20000	
Tl	205	209	He	0.107	ug/l	17.4	1000	
[Pb]	206	209	He	67.316	ug/l	0.9		
[Pb]	207	209	He	65.281	ug/l	0.8		
Pb	208	209	He	65.878	ug/l	1.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5395113.04	0.3	106.9	60	125	
Sc (ISICPMS)	45	No Gas	4907174.03	0.4	101.2	60	125	
Sc (ISICPMS)	45	H2	1275937.61	0.4	99.1	60	125	
Sc (ISICPMS)	45	He	46811.39	0.6	100.1	60	125	
Ge (IS)	74	H2	242070.46	0.5	104.7	60	125	
Ge (IS)	74	He	28615.84	0.2	104.7	60	125	
Kr	83	He	3.34	173.2				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	60565.53	1.1	98.4	60	125	
Tb (IS)	159	He	340743.45	0.8	100.6	60	125	
Bi (IS)	209	He	251605.14	0.6	97.5	60	125	

DRAFT

Sample Report

File Name 167SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 21:21:42

Sample Name **460-307063-I-9-A**

Comment ---

Dilution **1.0000**

Vial # 2305

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.128	ug/l	18.8	2000	
B	11	6	No Gas	250.711	ug/l	1.4	2000	
Na	23	45	He	372550.082	ug/l	0.8	500000	
Mg	24	45	He	38592.326	ug/l	0.5	500000	
Al	27	45	He	1073.304	ug/l	0.8	500000	
K	39	45	He	13630.418	ug/l	0.8	500000	
Ca	40	45	H2	22730.130	ug/l	2.0	1000000	
Ti	47	45	No Gas	56.247	ug/l	1.9	10000	
V	51	45	He	67.590	ug/l	1.8	5000	
Cr	52	45	He	5.510	ug/l	5.0	20000	
Mn	55	45	He	298.588	ug/l	1.5	20000	
Fe	56	45	H2	2296.295	ug/l	1.8	500000	
Co	59	45	He	1.030	ug/l	7.4	2000	
Ni	60	45	He	-8.635	ug/l	N/A	20000	
Cu	63	45	He	5.815	ug/l	0.7	20000	
Zn	66	45	He	14.916	ug/l	3.0	20000	
As	75	74	He	6.507	ug/l	10.9	5000	
Se	78	74	H2	0.183	ug/l	63.9	3000	
Sr	88	115	He	311.940	ug/l	1.4	5000	
Mo	95	115	He	3.424	ug/l	10.8	2000	
Ag	107	115	He	0.044	ug/l	29.3	1000	
Cd	111	115	He	0.034	ug/l	99.7	5000	
Sn	118	115	He	3.529	ug/l	10.8	2000	
Sb	121	115	He	0.378	ug/l	37.2	1000	
Ba	137	159	He	42.194	ug/l	2.6	20000	
Tl	205	209	He	0.009	ug/l	29.8	1000	
[Pb]	206	209	He	9.337	ug/l	4.0		
[Pb]	207	209	He	8.820	ug/l	1.1		
Pb	208	209	He	9.021	ug/l	0.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5297186.66	1.3	104.9	60	125	
Sc (ISICPMS)	45	No Gas	4854303.57	1.3	100.1	60	125	
Sc (ISICPMS)	45	H2	1267700.98	1.1	98.5	60	125	
Sc (ISICPMS)	45	He	46005.44	0.4	98.4	60	125	
Ge (IS)	74	H2	240481.61	0.5	104.0	60	125	
Ge (IS)	74	He	28478.75	1.3	104.2	60	125	
Kr	83	He	3.34	173.2				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	60354.00	0.7	98.0	60	125	
Tb (IS)	159	He	337903.49	0.9	99.8	60	125	
Bi (IS)	209	He	247250.08	0.3	95.8	60	125	

DRAFT

Sample Report

File Name 168SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 21:24:13

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.000	ug/l	N/A	2000	
B	11	6	No Gas	2.135	ug/l	12.9	2000	
Na	23	45	He	25.544	ug/l	21.4	500000	
Mg	24	45	He	0.995	ug/l	135.9	500000	
Al	27	45	He	1.492	ug/l	55.3	500000	
K	39	45	He	-8.602	ug/l	N/A	500000	
Ca	40	45	H2	-0.025	ug/l	N/A	1000000	
Ti	47	45	No Gas	-0.203	ug/l	N/A	10000	
V	51	45	He	-0.012	ug/l	N/A	5000	
Cr	52	45	He	-0.108	ug/l	N/A	20000	
Mn	55	45	He	-0.233	ug/l	N/A	20000	
Fe	56	45	H2	-10.252	ug/l	N/A	500000	
Co	59	45	He	-0.008	ug/l	N/A	2000	
Ni	60	45	He	-14.236	ug/l	N/A	20000	
Cu	63	45	He	-0.006	ug/l	N/A	20000	
Zn	66	45	He	-0.274	ug/l	N/A	20000	
As	75	74	He	-0.069	ug/l	N/A	5000	
Se	78	74	H2	-0.071	ug/l	N/A	3000	
Sr	88	115	He	0.054	ug/l	80.7	5000	
Mo	95	115	He	0.006	ug/l	5.9	2000	
Ag	107	115	He	-0.006	ug/l	N/A	1000	
Cd	111	115	He	0.011	ug/l	173.2	5000	
Sn	118	115	He	-0.147	ug/l	N/A	2000	
Sb	121	115	He	0.058	ug/l	100.9	1000	
Ba	137	159	He	-0.064	ug/l	N/A	20000	
Tl	205	209	He	-0.060	ug/l	N/A	1000	
[Pb]	206	209	He	0.089	ug/l	55.6		
[Pb]	207	209	He	0.087	ug/l	49.2		
Pb	208	209	He	0.088	ug/l	12.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5476477.49	0.7	108.5	60	125	
Sc (ISICPMS)	45	No Gas	4854103.54	0.9	100.1	60	125	
Sc (ISICPMS)	45	H2	1280590.94	1.1	99.5	60	125	
Sc (ISICPMS)	45	He	45601.88	1.3	97.5	60	125	
Ge (IS)	74	H2	235264.13	1.6	101.8	60	125	
Ge (IS)	74	He	27117.88	0.8	99.3	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	63077.86	0.3	102.5	60	125	
Tb (IS)	159	He	346834.83	1.1	102.4	60	125	
Bi (IS)	209	He	262263.27	0.4	101.6	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 169_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 21:26:44

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	99.772	ug/l	0.8	100	90	110	
B	11	6	No Gas	243.921	ug/l	0.1	250	225	275	
Na	23	45	He	26107.267	ug/l	0.5	25000	22500	27500	
Mg	24	45	He	26122.640	ug/l	0.7	25000	22500	27500	
Al	27	45	He	26345.696	ug/l	0.4	25000	22500	27500	
K	39	45	He	26128.771	ug/l	0.8	25000	22500	27500	
Ca	40	45	H2	25802.827	ug/l	0.8	25000	22500	27500	
Ti	47	45	No Gas	100.948	ug/l	0.2	100	90	110	
V	51	45	He	103.362	ug/l	1.9	100	90	110	
Cr	52	45	He	103.316	ug/l	0.9	100	90	110	
Mn	55	45	He	105.190	ug/l	1.5	100	90	110	
Fe	56	45	H2	25828.066	ug/l	1.2	25000	22500	27500	
Co	59	45	He	102.213	ug/l	1.6	100	90	110	
Ni	60	45	He	87.542	ug/l	1.4	100	90	110	failed
Cu	63	45	He	103.254	ug/l	1.8	100	90	110	
Zn	66	45	He	263.486	ug/l	1.7	250	225	275	
As	75	74	He	106.749	ug/l	1.4	100	90	110	
Se	78	74	H2	98.217	ug/l	4.8	100	90	110	
Sr	88	115	He	104.049	ug/l	1.1	100	90	110	
Mo	95	115	He	101.423	ug/l	0.7	100	90	110	
Ag	107	115	He	50.240	ug/l	1.4	50	45	55	
Cd	111	115	He	100.963	ug/l	1.1	100	90	110	
Sn	118	115	He	105.032	ug/l	0.8	100	90	110	
Sb	121	115	He	103.181	ug/l	0.9	100	90	110	
Ba	137	159	He	104.261	ug/l	1.2	100	90	110	
Tl	205	209	He	102.759	ug/l	1.8	100	90	110	
[Pb]	206	209	He	103.141	ug/l	1.3				
[Pb]	207	209	He	102.320	ug/l	0.9				
Pb	208	209	He	102.392	ug/l	1.2	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5470491.86	0.5	108.4	60	125	
Sc (ISICPMS)	45	No Gas	4950652.22	0.6	102.1	60	125	
Sc (ISICPMS)	45	H2	1276408.85	0.9	99.2	60	125	
Sc (ISICPMS)	45	He	47015.51	0.2	100.5	60	125	
Ge (IS)	74	H2	240279.02	1.1	103.9	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	27906.95	0.8	102.1	60	125	
Kr	83	He	3.34	173.2				
In-1	115	He	62255.38	1.3	101.1	60	125	
Tb (IS)	159	He	346800.44	1.4	102.4	60	125	
Bi (IS)	209	He	258625.19	1.7	100.2	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 170_Blk.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 21:29:15

Sample Name **CCB**

Comment ---

Dilution 1.0000

Analyte Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.011	ug/l	38.5	0.8	-0.8	0.8	
B	11	6	No Gas	2.096	ug/l	2.3	40	-40	40	
Na	23	45	He	14.763	ug/l	74.8	500	-500	500	
Mg	24	45	He	0.543	ug/l	159.5	200	-200	200	
Al	27	45	He	2.724	ug/l	148.9	40	-40	40	
K	39	45	He	-11.274	ug/l	N/A	200	-200	200	
Ca	40	45	H2	2.699	ug/l	24.1	500	-500	500	
Ti	47	45	No Gas	0.031	ug/l	209.3	4	-4	4	
V	51	45	He	0.027	ug/l	780.6	4	-4	4	
Cr	52	45	He	0.123	ug/l	126.8	4	-4	4	
Mn	55	45	He	-0.172	ug/l	N/A	8	-8	8	
Fe	56	45	H2	-7.444	ug/l	N/A	60	-60	60	
Co	59	45	He	0.013	ug/l	91.8	4	-4	4	
Ni	60	45	He	-13.892	ug/l	N/A	4	-4	4	> water RL
Cu	63	45	He	-0.153	ug/l	N/A	4	-4	4	
Zn	66	45	He	-0.010	ug/l	N/A	16	-16	16	
As	75	74	He	-0.069	ug/l	N/A	2	-2	2	
Se	78	74	H2	0.000	ug/l	N/A	2.5	-2.5	2.5	
Sr	88	115	He	0.066	ug/l	64.8	4	-4	4	
Mo	95	115	He	0.053	ug/l	29.1	4	-4	4	
Ag	107	115	He	-0.003	ug/l	N/A	2	-2	2	
Cd	111	115	He	0.011	ug/l	173.2	2	-2	2	
Sn	118	115	He	-0.820	ug/l	N/A	16	-16	16	
Sb	121	115	He	0.054	ug/l	18.1	2	-2	2	
Ba	137	159	He	0.104	ug/l	81.2	4	-4	4	
Tl	205	209	He	-0.013	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.041	ug/l	94.0				
[Pb]	207	209	He	0.080	ug/l	63.5				
Pb	208	209	He	0.074	ug/l	22.0	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5434340.47	0.5	107.6	60	125	
Sc (ISICPMS)	45	No Gas	4842342.43	0.2	99.8	60	125	
Sc (ISICPMS)	45	H2	1260461.85	0.5	97.9	60	125	
Sc (ISICPMS)	45	He	46137.04	1.7	98.7	60	125	
Ge (IS)	74	H2	233300.72	1.8	100.9	60	125	
Ge (IS)	74	He	27375.22	2.0	100.2	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	62129.56	0.7	100.9	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	344556.83	0.2	101.7	60	125	
Bi (IS)	209	He	261969.36	0.4	101.5	60	125	

DRAFT

Sample Report

File Name 171SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 22:06:09

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.004	ug/l	N/A	2000	
B	11	6	No Gas	-0.816	ug/l	N/A	2000	
Na	23	45	He	-36.261	ug/l	N/A	500000	
Mg	24	45	He	-0.698	ug/l	N/A	500000	
Al	27	45	He	1.261	ug/l	252.2	500000	
K	39	45	He	-5.894	ug/l	N/A	500000	
Ca	40	45	H2	-0.983	ug/l	N/A	1000000	
Ti	47	45	No Gas	-0.255	ug/l	N/A	10000	
V	51	45	He	-0.085	ug/l	N/A	5000	
Cr	52	45	He	-0.271	ug/l	N/A	20000	
Mn	55	45	He	-0.375	ug/l	N/A	20000	
Fe	56	45	H2	-12.974	ug/l	N/A	500000	
Co	59	45	He	-0.006	ug/l	N/A	2000	
Ni	60	45	He	-13.902	ug/l	N/A	20000	
Cu	63	45	He	-0.029	ug/l	N/A	20000	
Zn	66	45	He	0.112	ug/l	332.7	20000	
As	75	74	He	-0.032	ug/l	N/A	5000	
Se	78	74	H2	0.034	ug/l	86.7	3000	
Sr	88	115	He	0.026	ug/l	67.7	5000	
Mo	95	115	He	-0.027	ug/l	N/A	2000	
Ag	107	115	He	-0.001	ug/l	N/A	1000	
Cd	111	115	He	0.011	ug/l	173.2	5000	
Sn	118	115	He	0.173	ug/l	115.9	2000	
Sb	121	115	He	0.047	ug/l	158.5	1000	
Ba	137	159	He	-0.043	ug/l	N/A	20000	
Tl	205	209	He	-0.059	ug/l	N/A	1000	
[Pb]	206	209	He	0.050	ug/l	49.1		
[Pb]	207	209	He	0.041	ug/l	93.6		
Pb	208	209	He	0.038	ug/l	20.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5554350.19	0.1	110.0	60	125	
Sc (ISICPMS)	45	No Gas	4892559.55	0.9	100.9	60	125	
Sc (ISICPMS)	45	H2	1289608.63	0.9	100.2	60	125	
Sc (ISICPMS)	45	He	47838.20	0.4	102.3	60	125	
Ge (IS)	74	H2	233138.25	0.7	100.8	60	125	
Ge (IS)	74	He	27114.68	2.4	99.2	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	62987.43	1.2	102.3	60	125	
Tb (IS)	159	He	341978.37	1.6	101.0	60	125	
Bi (IS)	209	He	257579.19	0.9	99.8	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 172_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 22:08:39

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	104.382	ug/l	1.3	100	90	110	
B	11	6	No Gas	251.187	ug/l	1.1	250	225	275	
Na	23	45	He	27539.448	ug/l	0.7	25000	22500	27500	failed
Mg	24	45	He	27704.653	ug/l	1.1	25000	22500	27500	failed
Al	27	45	He	28206.941	ug/l	0.6	25000	22500	27500	failed
K	39	45	He	27714.978	ug/l	0.4	25000	22500	27500	failed
Ca	40	45	H2	27244.092	ug/l	0.6	25000	22500	27500	
Ti	47	45	No Gas	106.944	ug/l	0.8	100	90	110	
V	51	45	He	108.410	ug/l	1.1	100	90	110	
Cr	52	45	He	108.077	ug/l	1.1	100	90	110	
Mn	55	45	He	107.770	ug/l	2.1	100	90	110	
Fe	56	45	H2	27287.843	ug/l	0.9	25000	22500	27500	
Co	59	45	He	107.187	ug/l	0.6	100	90	110	
Ni	60	45	He	91.379	ug/l	2.6	100	90	110	
Cu	63	45	He	108.317	ug/l	0.8	100	90	110	
Zn	66	45	He	275.956	ug/l	1.9	250	225	275	failed
As	75	74	He	107.631	ug/l	3.8	100	90	110	
Se	78	74	H2	104.844	ug/l	6.6	100	90	110	
Sr	88	115	He	110.909	ug/l	0.9	100	90	110	failed
Mo	95	115	He	106.327	ug/l	0.7	100	90	110	
Ag	107	115	He	53.012	ug/l	0.4	50	45	55	
Cd	111	115	He	105.931	ug/l	1.3	100	90	110	
Sn	118	115	He	108.206	ug/l	1.1	100	90	110	
Sb	121	115	He	110.394	ug/l	1.0	100	90	110	failed
Ba	137	159	He	112.757	ug/l	0.8	100	90	110	failed
Tl	205	209	He	108.808	ug/l	0.9	100	90	110	
[Pb]	206	209	He	110.774	ug/l	1.6				
[Pb]	207	209	He	110.439	ug/l	0.5				
Pb	208	209	He	110.028	ug/l	0.8	100	90	110	failed

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5555130.68	0.8	110.0	60	125	
Sc (ISICPMS)	45	No Gas	4928106.00	0.3	101.6	60	125	
Sc (ISICPMS)	45	H2	1287461.07	0.5	100.0	60	125	
Sc (ISICPMS)	45	He	47629.85	1.0	101.8	60	125	
Ge (IS)	74	H2	238179.15	0.6	103.0	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	28752.84	2.5	105.2	60	125	
Kr	83	He	3.34	173.2				
In-1	115	He	62199.32	1.0	101.0	60	125	
Tb (IS)	159	He	344804.32	0.4	101.8	60	125	
Bi (IS)	209	He	252537.90	0.5	97.9	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 173_Blk.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 22:11:09

Sample Name **CCB**

Comment ---

Dilution 1.0000

Analyte Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.006	ug/l	125.7	0.8	-0.8	0.8	
B	11	6	No Gas	1.187	ug/l	22.6	40	-40	40	
Na	23	45	He	-7.596	ug/l	N/A	500	-500	500	
Mg	24	45	He	0.798	ug/l	51.8	200	-200	200	
Al	27	45	He	1.568	ug/l	201.0	40	-40	40	
K	39	45	He	-5.522	ug/l	N/A	200	-200	200	
Ca	40	45	H2	2.572	ug/l	3.5	500	-500	500	
Ti	47	45	No Gas	0.080	ug/l	199.5	4	-4	4	
V	51	45	He	-0.022	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.094	ug/l	N/A	4	-4	4	
Mn	55	45	He	-0.320	ug/l	N/A	8	-8	8	
Fe	56	45	H2	-9.621	ug/l	N/A	60	-60	60	
Co	59	45	He	0.001	ug/l	1167.7	4	-4	4	
Ni	60	45	He	-14.022	ug/l	N/A	4	-4	4	> water RL
Cu	63	45	He	-0.221	ug/l	N/A	4	-4	4	
Zn	66	45	He	0.044	ug/l	1084.1	16	-16	16	
As	75	74	He	-0.004	ug/l	N/A	2	-2	2	
Se	78	74	H2	0.048	ug/l	186.6	2.5	-2.5	2.5	
Sr	88	115	He	-0.012	ug/l	N/A	4	-4	4	
Mo	95	115	He	-0.022	ug/l	N/A	4	-4	4	
Ag	107	115	He	0.000	ug/l	N/A	2	-2	2	
Cd	111	115	He	0.000	ug/l	N/A	2	-2	2	
Sn	118	115	He	-0.895	ug/l	N/A	16	-16	16	
Sb	121	115	He	0.064	ug/l	66.1	2	-2	2	
Ba	137	159	He	0.140	ug/l	70.2	4	-4	4	
Tl	205	209	He	-0.005	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.020	ug/l	25.9				
[Pb]	207	209	He	0.052	ug/l	64.0				
Pb	208	209	He	0.055	ug/l	31.6	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5553956.30	1.1	110.0	60	125	
Sc (ISICPMS)	45	No Gas	4907464.02	1.0	101.2	60	125	
Sc (ISICPMS)	45	H2	1296951.15	0.0	100.8	60	125	
Sc (ISICPMS)	45	He	47012.17	1.4	100.5	60	125	
Ge (IS)	74	H2	239375.06	0.1	103.5	60	125	
Ge (IS)	74	He	27990.70	1.5	102.4	60	125	
Kr	83	He	3.34	173.2				
In-1	115	He	63025.12	1.2	102.4	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	346138.11	1.4	102.2	60	125	
Bi (IS)	209	He	257939.62	0.8	100.0	60	125	

DRAFT

Sample Report

File Name 174SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 22:13:41

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.002	ug/l	N/A	2000	
B	11	6	No Gas	0.088	ug/l	93.5	2000	
Na	23	45	He	-37.874	ug/l	N/A	500000	
Mg	24	45	He	-0.239	ug/l	N/A	500000	
Al	27	45	He	0.026	ug/l	11723.4	500000	
K	39	45	He	-4.401	ug/l	N/A	500000	
Ca	40	45	H2	-0.527	ug/l	N/A	1000000	
Ti	47	45	No Gas	-0.283	ug/l	N/A	10000	
V	51	45	He	0.073	ug/l	659.5	5000	
Cr	52	45	He	-0.170	ug/l	N/A	20000	
Mn	55	45	He	-0.459	ug/l	N/A	20000	
Fe	56	45	H2	-12.638	ug/l	N/A	500000	
Co	59	45	He	-0.006	ug/l	N/A	2000	
Ni	60	45	He	-14.002	ug/l	N/A	20000	
Cu	63	45	He	-0.123	ug/l	N/A	20000	
Zn	66	45	He	0.043	ug/l	870.0	20000	
As	75	74	He	-0.141	ug/l	N/A	5000	
Se	78	74	H2	0.034	ug/l	475.8	3000	
Sr	88	115	He	-0.042	ug/l	N/A	5000	
Mo	95	115	He	-0.011	ug/l	N/A	2000	
Ag	107	115	He	-0.002	ug/l	N/A	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	-0.084	ug/l	N/A	2000	
Sb	121	115	He	0.095	ug/l	100.9	1000	
Ba	137	159	He	0.028	ug/l	520.6	20000	
Tl	205	209	He	0.047	ug/l	228.9	1000	
[Pb]	206	209	He	0.020	ug/l	97.4		
[Pb]	207	209	He	0.041	ug/l	51.5		
Pb	208	209	He	0.033	ug/l	43.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5598071.72	0.4	110.9	60	125	
Sc (ISICPMS)	45	No Gas	4929298.15	0.6	101.6	60	125	
Sc (ISICPMS)	45	H2	1303682.82	0.5	101.3	60	125	
Sc (ISICPMS)	45	He	48837.46	1.5	104.4	60	125	
Ge (IS)	74	H2	235126.27	0.9	101.7	60	125	
Ge (IS)	74	He	28602.31	0.9	104.7	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	63703.08	1.1	103.5	60	125	
Tb (IS)	159	He	348140.13	0.6	102.8	60	125	
Bi (IS)	209	He	262958.66	0.6	101.9	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 175_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 22:16:11

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	97.464	ug/l	0.5	100	90	110	
B	11	6	No Gas	236.246	ug/l	0.7	250	225	275	
Na	23	45	He	25380.271	ug/l	1.5	25000	22500	27500	
Mg	24	45	He	25478.390	ug/l	1.4	25000	22500	27500	
Al	27	45	He	25887.285	ug/l	1.4	25000	22500	27500	
K	39	45	He	25481.917	ug/l	1.4	25000	22500	27500	
Ca	40	45	H2	25082.124	ug/l	0.3	25000	22500	27500	
Ti	47	45	No Gas	101.689	ug/l	1.6	100	90	110	
V	51	45	He	100.579	ug/l	1.3	100	90	110	
Cr	52	45	He	99.514	ug/l	1.7	100	90	110	
Mn	55	45	He	100.419	ug/l	0.7	100	90	110	
Fe	56	45	H2	25193.255	ug/l	0.1	25000	22500	27500	
Co	59	45	He	100.053	ug/l	1.8	100	90	110	
Ni	60	45	He	85.427	ug/l	0.7	100	90	110	failed
Cu	63	45	He	101.200	ug/l	2.4	100	90	110	
Zn	66	45	He	256.378	ug/l	2.6	250	225	275	
As	75	74	He	99.137	ug/l	3.3	100	90	110	
Se	78	74	H2	95.225	ug/l	1.5	100	90	110	
Sr	88	115	He	103.591	ug/l	1.5	100	90	110	
Mo	95	115	He	102.006	ug/l	1.3	100	90	110	
Ag	107	115	He	48.983	ug/l	1.8	50	45	55	
Cd	111	115	He	98.972	ug/l	0.9	100	90	110	
Sn	118	115	He	104.644	ug/l	1.8	100	90	110	
Sb	121	115	He	104.468	ug/l	0.6	100	90	110	
Ba	137	159	He	102.767	ug/l	3.0	100	90	110	
Tl	205	209	He	102.009	ug/l	0.9	100	90	110	
[Pb]	206	209	He	102.365	ug/l	1.1				
[Pb]	207	209	He	101.117	ug/l	1.4				
Pb	208	209	He	101.702	ug/l	1.4	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5633779.29	0.9	111.6	60	125	
Sc (ISICPMS)	45	No Gas	4924316.84	1.0	101.5	60	125	
Sc (ISICPMS)	45	H2	1313387.42	0.6	102.0	60	125	
Sc (ISICPMS)	45	He	48373.49	1.9	103.4	60	125	
Ge (IS)	74	H2	243673.16	1.1	105.4	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	29284.55	1.7	107.2	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	62152.97	0.4	101.0	60	125	
Tb (IS)	159	He	346801.93	1.1	102.4	60	125	
Bi (IS)	209	He	255327.62	0.7	99.0	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 176_Blk.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 22:18:42

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.011	ug/l	108.1	0.8	-0.8	0.8	
B	11	6	No Gas	1.297	ug/l	15.4	40	-40	40	
Na	23	45	He	-9.952	ug/l	N/A	500	-500	500	
Mg	24	45	He	0.148	ug/l	807.8	200	-200	200	
Al	27	45	He	-0.957	ug/l	N/A	40	-40	40	
K	39	45	He	-4.398	ug/l	N/A	200	-200	200	
Ca	40	45	H2	3.222	ug/l	13.8	500	-500	500	
Ti	47	45	No Gas	0.096	ug/l	73.2	4	-4	4	
V	51	45	He	0.014	ug/l	665.2	4	-4	4	
Cr	52	45	He	-0.173	ug/l	N/A	4	-4	4	
Mn	55	45	He	-0.403	ug/l	N/A	8	-8	8	
Fe	56	45	H2	-10.730	ug/l	N/A	60	-60	60	
Co	59	45	He	-0.009	ug/l	N/A	4	-4	4	
Ni	60	45	He	-14.128	ug/l	N/A	4	-4	4	> water RL
Cu	63	45	He	-0.180	ug/l	N/A	4	-4	4	
Zn	66	45	He	0.000	ug/l	447646.5	16	-16	16	
As	75	74	He	-0.005	ug/l	N/A	2	-2	2	
Se	78	74	H2	-0.039	ug/l	N/A	2.5	-2.5	2.5	
Sr	88	115	He	0.028	ug/l	328.9	4	-4	4	
Mo	95	115	He	-0.009	ug/l	N/A	4	-4	4	
Ag	107	115	He	0.001	ug/l	639.1	2	-2	2	
Cd	111	115	He	0.011	ug/l	173.2	2	-2	2	
Sn	118	115	He	-0.735	ug/l	N/A	16	-16	16	
Sb	121	115	He	0.093	ug/l	63.3	2	-2	2	
Ba	137	159	He	-0.024	ug/l	N/A	4	-4	4	
Tl	205	209	He	-0.035	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.045	ug/l	11.2				
[Pb]	207	209	He	0.031	ug/l	87.1				
Pb	208	209	He	0.050	ug/l	15.6	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5525655.68	0.6	109.5	60	125	
Sc (ISICPMS)	45	No Gas	4916922.19	0.9	101.4	60	125	
Sc (ISICPMS)	45	H2	1298425.27	0.9	100.9	60	125	
Sc (ISICPMS)	45	He	47167.02	1.0	100.9	60	125	
Ge (IS)	74	H2	241208.42	0.8	104.3	60	125	
Ge (IS)	74	He	27876.75	1.8	102.0	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	61992.07	0.4	100.7	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	341720.18	0.5	100.9	60	125	
Bi (IS)	209	He	259202.24	0.9	100.5	60	125	

DRAFT

Sample Report

File Name 177SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 23:02:25

Sample Name **MB 460-983999/1-O**

Comment ---

Dilution **1.0000**

Vial # 2401

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.003	ug/l	37.5	2000	
B	11	6	No Gas	-0.996	ug/l	N/A	2000	
Na	23	45	He	13.400	ug/l	51.2	500000	
Mg	24	45	He	4.219	ug/l	25.4	500000	
Al	27	45	He	4.519	ug/l	48.8	500000	
K	39	45	He	-0.746	ug/l	N/A	500000	
Ca	40	45	H2	12.455	ug/l	4.8	1000000	
Ti	47	45	No Gas	0.437	ug/l	36.3	10000	
V	51	45	He	-0.006	ug/l	N/A	5000	
Cr	52	45	He	0.805	ug/l	29.9	20000	
Mn	55	45	He	-0.343	ug/l	N/A	20000	
Fe	56	45	H2	-1.961	ug/l	N/A	500000	
Co	59	45	He	-0.007	ug/l	N/A	2000	
Ni	60	45	He	-13.840	ug/l	N/A	20000	
Cu	63	45	He	0.287	ug/l	19.9	20000	
Zn	66	45	He	1.040	ug/l	37.5	20000	
As	75	74	He	-0.041	ug/l	N/A	5000	
Se	78	74	H2	-0.037	ug/l	N/A	3000	
Sr	88	115	He	0.019	ug/l	558.4	5000	
Mo	95	115	He	0.020	ug/l	161.5	2000	
Ag	107	115	He	-0.004	ug/l	N/A	1000	
Cd	111	115	He	0.022	ug/l	86.6	5000	
Sn	118	115	He	9.610	ug/l	10.1	2000	
Sb	121	115	He	0.055	ug/l	34.8	1000	
Ba	137	159	He	0.034	ug/l	163.2	20000	
Tl	205	209	He	-0.063	ug/l	N/A	1000	
[Pb]	206	209	He	0.101	ug/l	14.5		
[Pb]	207	209	He	0.136	ug/l	28.6		
Pb	208	209	He	0.123	ug/l	12.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5531850.40	1.3	109.6	60	125	
Sc (ISICPMS)	45	No Gas	4841982.53	0.1	99.8	60	125	
Sc (ISICPMS)	45	H2	1273966.91	0.7	99.0	60	125	
Sc (ISICPMS)	45	He	46888.37	1.0	100.3	60	125	
Ge (IS)	74	H2	236667.80	0.7	102.4	60	125	
Ge (IS)	74	He	28619.13	2.9	104.7	60	125	
Kr	83	He	3.34	173.2				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	61937.53	0.5	100.6	60	125	
Tb (IS)	159	He	337763.21	0.9	99.7	60	125	
Bi (IS)	209	He	252673.86	0.7	97.9	60	125	

DRAFT

Sample Report

File Name 178SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 23:04:56

Sample Name **MB 460-983999/1-A**

Comment ---

Dilution **1.0000**

Vial # 2401

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.002	ug/l	253.0	2000	
B	11	6	No Gas	-1.033	ug/l	N/A	2000	
Na	23	45	He	6.653	ug/l	188.9	500000	
Mg	24	45	He	5.397	ug/l	17.8	500000	
Al	27	45	He	4.110	ug/l	12.6	500000	
K	39	45	He	1.600	ug/l	680.9	500000	
Ca	40	45	H2	12.757	ug/l	7.1	1000000	
Ti	47	45	No Gas	0.337	ug/l	23.7	10000	
V	51	45	He	-0.042	ug/l	N/A	5000	
Cr	52	45	He	0.476	ug/l	37.7	20000	
Mn	55	45	He	-0.268	ug/l	N/A	20000	
Fe	56	45	H2	-2.251	ug/l	N/A	500000	
Co	59	45	He	-0.009	ug/l	N/A	2000	
Ni	60	45	He	-13.909	ug/l	N/A	20000	
Cu	63	45	He	0.236	ug/l	45.4	20000	
Zn	66	45	He	0.472	ug/l	152.8	20000	
As	75	74	He	-0.140	ug/l	N/A	5000	
Se	78	74	H2	-0.037	ug/l	N/A	3000	
Sr	88	115	He	0.099	ug/l	89.4	5000	
Mo	95	115	He	0.055	ug/l	124.1	2000	
Ag	107	115	He	-0.004	ug/l	N/A	1000	
Cd	111	115	He	0.011	ug/l	173.2	5000	
Sn	118	115	He	9.891	ug/l	9.1	2000	
Sb	121	115	He	0.067	ug/l	39.0	1000	
Ba	137	159	He	-0.001	ug/l	N/A	20000	
Tl	205	209	He	-0.042	ug/l	N/A	1000	
[Pb]	206	209	He	0.120	ug/l	25.1		
[Pb]	207	209	He	0.140	ug/l	36.0		
Pb	208	209	He	0.121	ug/l	16.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5543526.17	0.5	109.8	60	125	
Sc (ISICPMS)	45	No Gas	4899229.68	0.9	101.0	60	125	
Sc (ISICPMS)	45	H2	1256610.67	1.9	97.6	60	125	
Sc (ISICPMS)	45	He	46350.83	1.8	99.1	60	125	
Ge (IS)	74	H2	235340.89	0.9	101.8	60	125	
Ge (IS)	74	He	28000.63	2.9	102.5	60	125	
Kr	83	He	3.34	173.2				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	61226.85	0.7	99.5	60	125	
Tb (IS)	159	He	332110.70	0.9	98.1	60	125	
Bi (IS)	209	He	250884.43	0.4	97.2	60	125	

DRAFT

Sample Report

File Name 179SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 23:07:26

Sample Name **LCSSRM 460-983999/2-A@3**

Comment ---

Dilution **1.0000**

Vial # 2402

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	507.593	ug/l	1.2	2000	
B	11	6	No Gas	709.293	ug/l	0.4	2000	
Na	23	45	He	1556.513	ug/l	2.9	500000	
Mg	24	45	He	5371.740	ug/l	1.5	500000	
Al	27	45	He	19972.155	ug/l	1.4	500000	
K	39	45	He	4023.690	ug/l	0.6	500000	
Ca	40	45	H2	16595.527	ug/l	1.6	1000000	
Ti	47	45	No Gas	976.159	ug/l	0.5	10000	
V	51	45	He	330.105	ug/l	2.2	5000	
Cr	52	45	He	569.838	ug/l	1.8	20000	
Mn	55	45	He	1668.745	ug/l	1.9	20000	
Fe	56	45	H2	21111.801	ug/l	2.0	500000	
Co	59	45	He	260.406	ug/l	2.0	2000	
Ni	60	45	He	976.665	ug/l	1.7	20000	
Cu	63	45	He	651.911	ug/l	1.6	20000	
Zn	66	45	He	522.792	ug/l	1.8	20000	
As	75	74	He	1007.735	ug/l	0.3	5000	
Se	78	74	H2	513.643	ug/l	2.3	3000	
Sr	88	115	He	435.867	ug/l	0.9	5000	
Mo	95	115	He	427.623	ug/l	0.3	2000	
Ag	107	115	He	254.465	ug/l	1.3	1000	
Cd	111	115	He	664.838	ug/l	2.3	5000	
Sn	118	115	He	250.244	ug/l	1.3	2000	
Sb	121	115	He	246.436	ug/l	0.8	1000	
Ba	137	159	He	977.096	ug/l	0.2	20000	
Tl	205	209	He	721.802	ug/l	0.7	1000	
[Pb]	206	209	He	313.013	ug/l	1.2		
[Pb]	207	209	He	297.302	ug/l	0.8		
Pb	208	209	He	303.783	ug/l	0.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5799163.39	0.3	114.9	60	125	
Sc (ISICPMS)	45	No Gas	4906471.77	0.3	101.2	60	125	
Sc (ISICPMS)	45	H2	1271029.57	1.3	98.8	60	125	
Sc (ISICPMS)	45	He	47256.27	1.6	101.0	60	125	
Ge (IS)	74	H2	244451.04	1.3	105.7	60	125	
Ge (IS)	74	He	28726.14	0.7	105.1	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	61493.57	1.3	99.9	60	125	
Tb (IS)	159	He	340078.84	0.9	100.4	60	125	
Bi (IS)	209	He	254302.45	0.9	98.6	60	125	

DRAFT

Sample Report

File Name 180SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 23:09:56

Sample Name **PDS 460-307025-A-1-F**

Comment ---

Dilution **1.0000**

Vial # 2403

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	25.264	ug/l	2.5	2000	
B	11	6	No Gas	508.204	ug/l	0.7	2000	
Na	23	45	He	6930.484	ug/l	0.8	500000	
Mg	24	45	He	65012.564	ug/l	0.3	500000	
Al	27	45	He	88622.639	ug/l	0.8	500000	
K	39	45	He	12757.717	ug/l	1.2	500000	
Ca	40	45	H2	249851.428	ug/l	1.1	1000000	
Ti	47	45	No Gas	5032.280	ug/l	0.6	10000	
V	51	45	He	1627.867	ug/l	1.3	5000	
Cr	52	45	He	27009.431	ug/l	0.6	20000	>LDR 6020B□>LDR 200.8
Mn	55	45	He	2193.777	ug/l	0.6	20000	
Fe	56	45	H2	219019.851	ug/l	0.9	500000	
Co	59	45	He	250.738	ug/l	1.0	2000	
Ni	60	45	He	776.861	ug/l	1.7	20000	
Cu	63	45	He	307.651	ug/l	1.3	20000	
Zn	66	45	He	1462.869	ug/l	0.3	20000	
As	75	74	He	66.900	ug/l	8.2	5000	
Se	78	74	H2	50.694	ug/l	0.7	3000	
Sr	88	115	He	318.895	ug/l	0.6	5000	
Mo	95	115	He	77.397	ug/l	0.5	2000	
Ag	107	115	He	24.961	ug/l	0.7	1000	
Cd	111	115	He	24.759	ug/l	3.7	5000	
Sn	118	115	He	91.458	ug/l	1.3	2000	
Sb	121	115	He	26.511	ug/l	1.0	1000	
Ba	137	159	He	425.370	ug/l	1.6	20000	
Tl	205	209	He	20.440	ug/l	0.4	1000	
[Pb]	206	209	He	472.400	ug/l	0.2		
[Pb]	207	209	He	444.097	ug/l	0.8		
Pb	208	209	He	456.500	ug/l	0.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5500041.10	0.7	108.9	60	125	
Sc (ISICPMS)	45	No Gas	5041644.68	1.7	103.9	60	125	
Sc (ISICPMS)	45	H2	1303917.42	1.1	101.3	60	125	
Sc (ISICPMS)	45	He	48637.81	0.5	104.0	60	125	
Ge (IS)	74	H2	238507.80	0.8	103.2	60	125	
Ge (IS)	74	He	28334.89	1.9	103.7	60	125	
Kr	83	He	13.35	86.6				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	61174.45	1.1	99.4	60	125	
Tb (IS)	159	He	339843.03	1.0	100.3	60	125	
Bi (IS)	209	He	246909.05	0.7	95.7	60	125	

DRAFT

Sample Report

File Name 181SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 23:12:28

Sample Name **460-307025-A-1-H MS**

Comment ---

Dilution **1.0000**

Vial # 2404

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	42.338	ug/l	1.7	2000	
B	11	6	No Gas	901.660	ug/l	1.0	2000	
Na	23	45	He	9454.123	ug/l	1.3	500000	
Mg	24	45	He	77250.627	ug/l	0.7	500000	
Al	27	45	He	104588.081	ug/l	0.7	500000	
K	39	45	He	12606.645	ug/l	0.6	500000	
Ca	40	45	H2	326753.106	ug/l	2.1	1000000	
Ti	47	45	No Gas	5714.356	ug/l	0.2	10000	
V	51	45	He	2000.152	ug/l	1.0	5000	
Cr	52	45	He	38639.479	ug/l	0.9	20000	>LDR 6020B□>LDR 200.8
Mn	55	45	He	2556.408	ug/l	1.0	20000	
Fe	56	45	H2	255059.152	ug/l	1.9	500000	
Co	59	45	He	313.970	ug/l	0.3	2000	
Ni	60	45	He	983.246	ug/l	0.6	20000	
Cu	63	45	He	800.551	ug/l	0.7	20000	
Zn	66	45	He	1716.814	ug/l	0.7	20000	
As	75	74	He	101.915	ug/l	9.3	5000	
Se	78	74	H2	82.130	ug/l	1.6	3000	
Sr	88	115	He	394.575	ug/l	0.3	5000	
Mo	95	115	He	111.996	ug/l	0.4	2000	
Ag	107	115	He	40.448	ug/l	1.2	1000	
Cd	111	115	He	42.367	ug/l	4.1	5000	
Sn	118	115	He	141.074	ug/l	0.7	2000	
Sb	121	115	He	37.640	ug/l	1.5	1000	
Ba	137	159	He	453.566	ug/l	1.0	20000	
Tl	205	209	He	34.198	ug/l	0.7	1000	
[Pb]	206	209	He	486.042	ug/l	0.6		
[Pb]	207	209	He	455.564	ug/l	0.8		
Pb	208	209	He	468.601	ug/l	0.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5435087.87	1.8	107.7	60	125	
Sc (ISICPMS)	45	No Gas	5082033.85	0.6	104.8	60	125	
Sc (ISICPMS)	45	H2	1329961.92	0.6	103.3	60	125	
Sc (ISICPMS)	45	He	48174.94	0.5	103.0	60	125	
Ge (IS)	74	H2	240395.31	0.9	104.0	60	125	
Ge (IS)	74	He	28492.18	2.5	104.3	60	125	
Kr	83	He	36.70	78.7				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	60096.70	0.4	97.6	60	125	
Tb (IS)	159	He	338054.04	0.7	99.8	60	125	
Bi (IS)	209	He	243351.30	0.4	94.3	60	125	

DRAFT

Sample Report

File Name 182SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 23:14:59

Sample Name **460-307025-A-1-G DU**

Comment ---

Dilution **1.0000**

Vial # 2405

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	1.574	ug/l	6.0	2000	
B	11	6	No Gas	72.323	ug/l	2.4	2000	
Na	23	45	He	4529.854	ug/l	0.2	500000	
Mg	24	45	He	58417.622	ug/l	0.8	500000	
Al	27	45	He	80290.185	ug/l	0.6	500000	
K	39	45	He	8698.434	ug/l	0.5	500000	
Ca	40	45	H2	233191.874	ug/l	1.7	1000000	
Ti	47	45	No Gas	4699.605	ug/l	1.7	10000	
V	51	45	He	1525.494	ug/l	0.4	5000	
Cr	52	45	He	25740.609	ug/l	0.8	20000	>LDR 6020B□>LDR 200.8
Mn	55	45	He	1712.701	ug/l	0.8	20000	
Fe	56	45	H2	190339.353	ug/l	0.8	500000	
Co	59	45	He	213.654	ug/l	0.0	2000	
Ni	60	45	He	694.585	ug/l	0.5	20000	
Cu	63	45	He	187.328	ug/l	0.7	20000	
Zn	66	45	He	1078.268	ug/l	0.8	20000	
As	75	74	He	15.282	ug/l	1.1	5000	
Se	78	74	H2	2.023	ug/l	20.1	3000	
Sr	88	115	He	250.676	ug/l	1.4	5000	
Mo	95	115	He	27.569	ug/l	1.1	2000	
Ag	107	115	He	0.585	ug/l	5.1	1000	
Cd	111	115	He	1.175	ug/l	35.9	5000	
Sn	118	115	He	40.727	ug/l	0.9	2000	
Sb	121	115	He	1.823	ug/l	7.8	1000	
Ba	137	159	He	351.736	ug/l	0.6	20000	
Tl	205	209	He	0.614	ug/l	7.7	1000	
[Pb]	206	209	He	398.495	ug/l	0.7		
[Pb]	207	209	He	372.270	ug/l	1.2		
Pb	208	209	He	383.700	ug/l	0.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5503332.69	0.8	109.0	60	125	
Sc (ISICPMS)	45	No Gas	5095911.14	1.2	105.1	60	125	
Sc (ISICPMS)	45	H2	1329536.04	0.6	103.3	60	125	
Sc (ISICPMS)	45	He	48402.39	0.8	103.5	60	125	
Ge (IS)	74	H2	244958.78	0.4	105.9	60	125	
Ge (IS)	74	He	28555.73	1.3	104.5	60	125	
Kr	83	He	20.02	50.0				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	60689.73	1.1	98.6	60	125	
Tb (IS)	159	He	336833.33	1.0	99.5	60	125	
Bi (IS)	209	He	244233.01	0.2	94.7	60	125	

DRAFT

Sample Report

File Name 183SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 23:17:31

Sample Name **460-307025-A-1-F**

Comment ---

Dilution **1.0000**

Vial # 2406

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	2.044	ug/l	4.5	2000	
B	11	6	No Gas	59.693	ug/l	0.9	2000	
Na	23	45	He	4541.303	ug/l	1.1	500000	
Mg	24	45	He	62491.225	ug/l	1.5	500000	
Al	27	45	He	85860.036	ug/l	0.7	500000	
K	39	45	He	10255.715	ug/l	1.0	500000	
Ca	40	45	H2	248236.823	ug/l	0.7	1000000	
Ti	47	45	No Gas	5082.856	ug/l	2.0	10000	
V	51	45	He	1571.132	ug/l	1.1	5000	
Cr	52	45	He	26968.344	ug/l	1.1	20000	>LDR 6020B□>LDR 200.8
Mn	55	45	He	1947.025	ug/l	1.5	20000	
Fe	56	45	H2	217122.507	ug/l	1.9	500000	
Co	59	45	He	227.836	ug/l	1.3	2000	
Ni	60	45	He	735.815	ug/l	0.7	20000	
Cu	63	45	He	263.559	ug/l	1.1	20000	
Zn	66	45	He	1254.762	ug/l	0.8	20000	
As	75	74	He	17.382	ug/l	9.9	5000	
Se	78	74	H2	2.669	ug/l	8.5	3000	
Sr	88	115	He	271.011	ug/l	2.8	5000	
Mo	95	115	He	28.499	ug/l	2.9	2000	
Ag	107	115	He	0.740	ug/l	7.9	1000	
Cd	111	115	He	1.194	ug/l	11.2	5000	
Sn	118	115	He	42.540	ug/l	2.6	2000	
Sb	121	115	He	1.858	ug/l	9.0	1000	
Ba	137	159	He	370.399	ug/l	1.8	20000	
Tl	205	209	He	0.687	ug/l	10.8	1000	
[Pb]	206	209	He	448.401	ug/l	1.9		
[Pb]	207	209	He	421.242	ug/l	0.4		
Pb	208	209	He	433.241	ug/l	1.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5437599.85	0.2	107.7	60	125	
Sc (ISICPMS)	45	No Gas	5091113.95	1.3	105.0	60	125	
Sc (ISICPMS)	45	H2	1336715.55	2.4	103.9	60	125	
Sc (ISICPMS)	45	He	47764.93	1.6	102.1	60	125	
Ge (IS)	74	H2	240943.89	2.0	104.2	60	125	
Ge (IS)	74	He	28111.13	0.9	102.9	60	125	
Kr	83	He	26.69	114.6				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	60432.31	1.4	98.2	60	125	
Tb (IS)	159	He	337430.29	0.3	99.6	60	125	
Bi (IS)	209	He	243331.09	0.4	94.3	60	125	

DRAFT

Sample Report

File Name 184SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 23:20:03

Sample Name **SD 460-307025-A-1-F@5**

Comment ---

Dilution **1.0000**

Vial # 2407

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.430	ug/l	10.1	2000	
B	11	6	No Gas	14.479	ug/l	2.2	2000	
Na	23	45	He	928.620	ug/l	1.0	500000	
Mg	24	45	He	12877.880	ug/l	0.9	500000	
Al	27	45	He	17546.009	ug/l	0.4	500000	
K	39	45	He	2077.733	ug/l	3.1	500000	
Ca	40	45	H2	51807.127	ug/l	1.7	1000000	
Ti	47	45	No Gas	1025.797	ug/l	1.1	10000	
V	51	45	He	324.878	ug/l	1.1	5000	
Cr	52	45	He	5629.752	ug/l	1.0	20000	
Mn	55	45	He	406.752	ug/l	1.4	20000	
Fe	56	45	H2	45810.654	ug/l	1.8	500000	
Co	59	45	He	47.884	ug/l	1.3	2000	
Ni	60	45	He	143.385	ug/l	0.7	20000	
Cu	63	45	He	56.202	ug/l	0.4	20000	
Zn	66	45	He	264.304	ug/l	1.6	20000	
As	75	74	He	3.642	ug/l	17.7	5000	
Se	78	74	H2	0.586	ug/l	30.2	3000	
Sr	88	115	He	54.846	ug/l	2.4	5000	
Mo	95	115	He	5.505	ug/l	4.5	2000	
Ag	107	115	He	0.185	ug/l	5.6	1000	
Cd	111	115	He	0.167	ug/l	52.2	5000	
Sn	118	115	He	8.153	ug/l	5.3	2000	
Sb	121	115	He	0.414	ug/l	13.9	1000	
Ba	137	159	He	75.357	ug/l	1.8	20000	
Tl	205	209	He	0.098	ug/l	15.5	1000	
[Pb]	206	209	He	90.019	ug/l	2.0		
[Pb]	207	209	He	85.411	ug/l	1.2		
Pb	208	209	He	87.254	ug/l	1.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5606753.74	0.3	111.1	60	125	
Sc (ISICPMS)	45	No Gas	5075239.23	0.6	104.6	60	125	
Sc (ISICPMS)	45	H2	1299927.04	0.7	101.0	60	125	
Sc (ISICPMS)	45	He	47923.03	0.7	102.5	60	125	
Ge (IS)	74	H2	243261.37	0.2	105.2	60	125	
Ge (IS)	74	He	28799.76	1.8	105.4	60	125	
Kr	83	He	6.67	86.6				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	61669.94	1.5	100.2	60	125	
Tb (IS)	159	He	338778.91	1.3	100.0	60	125	
Bi (IS)	209	He	252499.42	0.3	97.9	60	125	

DRAFT

Sample Report

File Name 185SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 23:22:33

Sample Name **460-307027-A-2-F**

Comment ---

Dilution **1.0000**

Vial # 2408

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	3.723	ug/l	2.9	2000	
B	11	6	No Gas	176.280	ug/l	1.0	2000	
Na	23	45	He	1619.277	ug/l	3.2	500000	
Mg	24	45	He	60972.554	ug/l	1.2	500000	
Al	27	45	He	55916.931	ug/l	1.6	500000	
K	39	45	He	43065.816	ug/l	1.0	500000	
Ca	40	45	H2	47562.777	ug/l	0.9	1000000	
Ti	47	45	No Gas	9948.073	ug/l	1.1	10000	>LDR 200.8
V	51	45	He	278.151	ug/l	1.3	5000	
Cr	52	45	He	445.212	ug/l	1.0	20000	
Mn	55	45	He	1754.922	ug/l	0.9	20000	
Fe	56	45	H2	175355.649	ug/l	0.8	500000	
Co	59	45	He	108.449	ug/l	1.3	2000	
Ni	60	45	He	336.008	ug/l	0.8	20000	
Cu	63	45	He	711.218	ug/l	0.7	20000	
Zn	66	45	He	143.258	ug/l	0.6	20000	
As	75	74	He	13.575	ug/l	4.2	5000	
Se	78	74	H2	4.062	ug/l	9.1	3000	
Sr	88	115	He	34.347	ug/l	6.1	5000	
Mo	95	115	He	47.405	ug/l	3.5	2000	
Ag	107	115	He	0.291	ug/l	2.6	1000	
Cd	111	115	He	0.090	ug/l	77.8	5000	
Sn	118	115	He	21.059	ug/l	2.3	2000	
Sb	121	115	He	0.101	ug/l	69.3	1000	
Ba	137	159	He	284.423	ug/l	1.3	20000	
Tl	205	209	He	2.459	ug/l	2.4	1000	
[Pb]	206	209	He	33.517	ug/l	1.5		
[Pb]	207	209	He	14.640	ug/l	0.5		
Pb	208	209	He	23.902	ug/l	1.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5466501.24	0.5	108.3	60	125	
Sc (ISICPMS)	45	No Gas	5137419.65	0.7	105.9	60	125	
Sc (ISICPMS)	45	H2	1335932.74	0.7	103.8	60	125	
Sc (ISICPMS)	45	He	49390.51	1.1	105.6	60	125	
Ge (IS)	74	H2	239512.46	0.3	103.6	60	125	
Ge (IS)	74	He	29314.66	0.3	107.3	60	125	
Kr	83	He	100.10	43.6				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	60816.74	0.3	98.8	60	125	
Tb (IS)	159	He	361169.38	0.7	106.6	60	125	
Bi (IS)	209	He	246942.05	1.4	95.7	60	125	

DRAFT

Sample Report

File Name 186SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 23:25:04

Sample Name **460-307028-A-1-F**

Comment ---

Dilution **1.0000**

Vial # 2409

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	4.295	ug/l	0.9	2000	
B	11	6	No Gas	208.096	ug/l	1.1	2000	
Na	23	45	He	2267.919	ug/l	0.9	500000	
Mg	24	45	He	75924.147	ug/l	0.8	500000	
Al	27	45	He	67993.408	ug/l	1.3	500000	
K	39	45	He	53749.598	ug/l	1.4	500000	
Ca	40	45	H2	57156.295	ug/l	1.3	1000000	
Ti	47	45	No Gas	12427.158	ug/l	1.2	10000	>LDR 6020B□>LDR 200.8
V	51	45	He	367.622	ug/l	0.8	5000	
Cr	52	45	He	500.949	ug/l	0.4	20000	
Mn	55	45	He	1264.687	ug/l	0.8	20000	
Fe	56	45	H2	209245.310	ug/l	1.0	500000	
Co	59	45	He	137.305	ug/l	0.7	2000	
Ni	60	45	He	380.742	ug/l	1.5	20000	
Cu	63	45	He	607.574	ug/l	1.0	20000	
Zn	66	45	He	168.710	ug/l	1.4	20000	
As	75	74	He	20.472	ug/l	4.4	5000	
Se	78	74	H2	4.609	ug/l	12.1	3000	
Sr	88	115	He	42.805	ug/l	0.9	5000	
Mo	95	115	He	84.667	ug/l	0.7	2000	
Ag	107	115	He	0.224	ug/l	1.9	1000	
Cd	111	115	He	0.240	ug/l	37.7	5000	
Sn	118	115	He	23.418	ug/l	1.6	2000	
Sb	121	115	He	0.137	ug/l	6.1	1000	
Ba	137	159	He	361.840	ug/l	1.9	20000	
Tl	205	209	He	3.004	ug/l	3.5	1000	
[Pb]	206	209	He	71.126	ug/l	1.1		
[Pb]	207	209	He	28.689	ug/l	0.6		
Pb	208	209	He	46.229	ug/l	1.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5483413.04	1.0	108.6	60	125	
Sc (ISICPMS)	45	No Gas	5199968.78	0.5	107.2	60	125	
Sc (ISICPMS)	45	H2	1357115.41	0.3	105.4	60	125	
Sc (ISICPMS)	45	He	49215.38	0.3	105.2	60	125	
Ge (IS)	74	H2	240382.25	0.4	104.0	60	125	
Ge (IS)	74	He	29140.82	0.8	106.7	60	125	
Kr	83	He	93.43	27.0				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	60178.69	1.0	97.8	60	125	
Tb (IS)	159	He	362076.43	0.4	106.9	60	125	
Bi (IS)	209	He	245183.54	0.7	95.0	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 187_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 23:27:35

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	98.341	ug/l	0.7	100	90	110	
B	11	6	No Gas	243.535	ug/l	1.2	250	225	275	
Na	23	45	He	25502.155	ug/l	0.8	25000	22500	27500	
Mg	24	45	He	25394.450	ug/l	0.7	25000	22500	27500	
Al	27	45	He	25678.648	ug/l	1.0	25000	22500	27500	
K	39	45	He	25521.005	ug/l	0.2	25000	22500	27500	
Ca	40	45	H2	25676.152	ug/l	0.9	25000	22500	27500	
Ti	47	45	No Gas	103.094	ug/l	1.3	100	90	110	
V	51	45	He	100.900	ug/l	0.5	100	90	110	
Cr	52	45	He	101.141	ug/l	1.1	100	90	110	
Mn	55	45	He	103.182	ug/l	0.6	100	90	110	
Fe	56	45	H2	25602.507	ug/l	1.1	25000	22500	27500	
Co	59	45	He	101.909	ug/l	0.5	100	90	110	
Ni	60	45	He	86.301	ug/l	3.4	100	90	110	failed
Cu	63	45	He	102.460	ug/l	1.6	100	90	110	
Zn	66	45	He	254.256	ug/l	1.2	250	225	275	
As	75	74	He	106.488	ug/l	3.4	100	90	110	
Se	78	74	H2	98.454	ug/l	2.0	100	90	110	
Sr	88	115	He	104.463	ug/l	1.9	100	90	110	
Mo	95	115	He	102.164	ug/l	0.5	100	90	110	
Ag	107	115	He	50.138	ug/l	0.4	50	45	55	
Cd	111	115	He	101.204	ug/l	2.6	100	90	110	
Sn	118	115	He	103.992	ug/l	1.9	100	90	110	
Sb	121	115	He	104.543	ug/l	0.5	100	90	110	
Ba	137	159	He	105.386	ug/l	3.9	100	90	110	
Tl	205	209	He	101.608	ug/l	0.5	100	90	110	
[Pb]	206	209	He	102.449	ug/l	0.5				
[Pb]	207	209	He	101.528	ug/l	0.8				
Pb	208	209	He	102.436	ug/l	0.7	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5538312.56	0.3	109.7	60	125	
Sc (ISICPMS)	45	No Gas	4987635.24	0.1	102.8	60	125	
Sc (ISICPMS)	45	H2	1299142.95	1.0	100.9	60	125	
Sc (ISICPMS)	45	He	47504.86	1.3	101.6	60	125	
Ge (IS)	74	H2	242609.32	0.9	104.9	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	27820.09	1.7	101.8	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	61162.43	1.9	99.4	60	125	
Tb (IS)	159	He	340740.28	1.9	100.6	60	125	
Bi (IS)	209	He	251291.99	1.2	97.4	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 188_Blk.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 23:30:05

Sample Name **CCB**

Comment ---

Dilution 1.0000

Analyte Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.013	ug/l	8.8	0.8	-0.8	0.8	
B	11	6	No Gas	3.321	ug/l	16.7	40	-40	40	
Na	23	45	He	-9.389	ug/l	N/A	500	-500	500	
Mg	24	45	He	0.807	ug/l	138.6	200	-200	200	
Al	27	45	He	0.928	ug/l	179.0	40	-40	40	
K	39	45	He	-7.680	ug/l	N/A	200	-200	200	
Ca	40	45	H2	5.270	ug/l	8.2	500	-500	500	
Ti	47	45	No Gas	0.599	ug/l	93.5	4	-4	4	
V	51	45	He	0.032	ug/l	53.2	4	-4	4	
Cr	52	45	He	0.544	ug/l	6.7	4	-4	4	
Mn	55	45	He	-0.387	ug/l	N/A	8	-8	8	
Fe	56	45	H2	-6.270	ug/l	N/A	60	-60	60	
Co	59	45	He	0.042	ug/l	52.8	4	-4	4	
Ni	60	45	He	-14.137	ug/l	N/A	4	-4	4	> water RL
Cu	63	45	He	-0.134	ug/l	N/A	4	-4	4	
Zn	66	45	He	-0.066	ug/l	N/A	16	-16	16	
As	75	74	He	-0.071	ug/l	N/A	2	-2	2	
Se	78	74	H2	-0.038	ug/l	N/A	2.5	-2.5	2.5	
Sr	88	115	He	0.098	ug/l	44.1	4	-4	4	
Mo	95	115	He	0.067	ug/l	39.0	4	-4	4	
Ag	107	115	He	0.001	ug/l	282.7	2	-2	2	
Cd	111	115	He	0.000	ug/l	N/A	2	-2	2	
Sn	118	115	He	-0.765	ug/l	N/A	16	-16	16	
Sb	121	115	He	0.067	ug/l	40.1	2	-2	2	
Ba	137	159	He	-0.023	ug/l	N/A	4	-4	4	
Tl	205	209	He	-0.032	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.024	ug/l	103.0				
[Pb]	207	209	He	0.072	ug/l	28.9				
Pb	208	209	He	0.047	ug/l	38.5	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5433769.57	0.4	107.6	60	125	
Sc (ISICPMS)	45	No Gas	4926855.83	0.7	101.6	60	125	
Sc (ISICPMS)	45	H2	1312152.70	1.2	101.9	60	125	
Sc (ISICPMS)	45	He	46760.11	1.4	100.0	60	125	
Ge (IS)	74	H2	239371.46	0.8	103.5	60	125	
Ge (IS)	74	He	27719.86	1.1	101.5	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	61395.00	1.1	99.7	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	338940.43	0.5	100.1	60	125	
Bi (IS)	209	He	256623.71	0.3	99.5	60	125	

DRAFT

Interference Check Standard-A (ICSA)

File Name 189ICSA.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 23:32:36

Sample Name **ICSA 11845754**

Comment ---

Dilution 1.0000

Full Quant Table 4508

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.028	ug/l	37.6	0.8	-1.6	1.6	
B	11	6	No Gas	2.712	ug/l	3.9	80	-160	160	
Na	23	45	He	100046.403	ug/l	1.4	100000	80000	120000	
Mg	24	45	He	98943.087	ug/l	1.3	100000	80000	120000	
Al	27	45	He	99662.724	ug/l	1.5	100000	80000	120000	
K	39	45	He	99665.199	ug/l	0.8	100000	80000	120000	
Ca	40	45	H2	100020.806	ug/l	0.4	100000	80000	120000	
Ti	47	45	No Gas	2170.301	ug/l	0.7	2000	1600	2400	
V	51	45	He	0.082	ug/l	57.0	4	-8	8	
Cr	52	45	He	1.080	ug/l	0.6	4	-8	8	
Mn	55	45	He	0.335	ug/l	123.2	8	-16	16	
Fe	56	45	H2	98559.231	ug/l	1.5	100000	80000	120000	
Co	59	45	He	0.354	ug/l	4.4	4	-8	8	
Ni	60	45	He	-14.080	ug/l	N/A	4	-8	8	fail
Cu	63	45	He	0.535	ug/l	8.3	4	-8	8	
Zn	66	45	He	2.003	ug/l	36.4	16	-32	32	
As	75	74	He	0.269	ug/l	35.2	2	-4	4	
Se	78	74	H2	-0.023	ug/l	N/A	2.5	-5	5	
Sr	88	115	He	0.688	ug/l	2.9	4	-8	8	
Mo	95	115	He	2015.928	ug/l	1.5	2000	-4000	4000	
Ag	107	115	He	0.036	ug/l	10.1	2	-4	4	
Cd	111	115	He	0.585	ug/l	26.2	2	-4	4	
Sn	118	115	He	-1.111	ug/l	N/A	16	-32	32	
Sb	121	115	He	0.195	ug/l	26.1	2	-4	4	
Ba	137	159	He	0.864	ug/l	10.5	4	-8	8	
Tl	205	209	He	-0.044	ug/l	N/A	0.8	-1.6	1.6	
[Pb]	206	209	He	0.395	ug/l	12.3				
[Pb]	207	209	He	0.500	ug/l	8.6				
Pb	208	209	He	0.448	ug/l	4.7	1.2	-2.4	2.4	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5412932.63	0.2	107.2	60	125	
Sc (ISICPMS)	45	No Gas	4951399.44	0.8	102.1	60	125	
Sc (ISICPMS)	45	H2	1308448.15	0.9	101.7	60	125	
Sc (ISICPMS)	45	He	48168.42	1.2	103.0	60	125	
Ge (IS)	74	H2	247775.43	1.0	107.2	60	125	
Ge (IS)	74	He	29461.85	1.0	107.8	60	125	

DRAFT

Interference Check Standard-A (ICSA)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	0.00	N/A				
In-1	115	He	61096.71	1.0	99.2	60	125	
Tb (IS)	159	He	338507.32	0.5	99.9	60	125	
Bi (IS)	209	He	245265.63	0.3	95.1	60	125	

DRAFT

Interference Check Standard-AB (ICSAB)

File Name 190ICSB.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 23:35:10

Sample Name **ICSAB 11845234**

Comment ---

Dilution 1.0000

Method 4509

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	192.254	ug/l	0.5	200	-400	400	
B	11	6	No Gas	2.708	ug/l	9.7				
Na	23	45	He	101750.772	ug/l	1.1	100000	80000	120000	
Mg	24	45	He	100062.866	ug/l	1.3	100000	80000	120000	
Al	27	45	He	99903.239	ug/l	1.1	100000	80000	120000	
K	39	45	He	101808.202	ug/l	1.1	100000	80000	120000	
Ca	40	45	H2	99585.533	ug/l	1.2	100000	80000	120000	
Ti	47	45	No Gas	2165.995	ug/l	0.2	2000	1600	2400	
V	51	45	He	201.181	ug/l	1.6	200	160	240	
Cr	52	45	He	199.270	ug/l	1.8	200	160	240	
Mn	55	45	He	193.082	ug/l	0.9	200	160	240	
Fe	56	45	H2	99061.692	ug/l	0.1	100000	80000	120000	
Co	59	45	He	196.401	ug/l	1.5	200	160	240	
Ni	60	45	He	183.679	ug/l	2.3	200	160	240	
Cu	63	45	He	195.230	ug/l	1.2	200	160	240	
Zn	66	45	He	192.004	ug/l	1.6	200	160	240	
As	75	74	He	195.121	ug/l	4.2	200	160	240	
Se	78	74	H2	188.027	ug/l	0.7	200	160	240	
Sr	88	115	He	198.359	ug/l	0.4	200	-400	400	
Mo	95	115	He	2021.748	ug/l	0.7	2000	1600	2400	
Ag	107	115	He	189.212	ug/l	1.1	200	160	240	
Cd	111	115	He	193.793	ug/l	2.9	200	160	240	
Sn	118	115	He	201.668	ug/l	0.4	200	-400	400	
Sb	121	115	He	101.456	ug/l	2.0	100	-200	200	
Ba	137	159	He	210.015	ug/l	2.4	200	-400	400	
Tl	205	209	He	101.129	ug/l	0.3	100	-200	200	
[Pb]	206	209	He	203.355	ug/l	0.4				
[Pb]	207	209	He	200.809	ug/l	0.5				
Pb	208	209	He	202.320	ug/l	0.6	200	-400	400	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5330923.60	0.7	105.6	60	125	
Sc (ISICPMS)	45	No Gas	5081407.84	0.3	104.8	60	125	
Sc (ISICPMS)	45	H2	1345996.75	0.5	104.6	60	125	
Sc (ISICPMS)	45	He	48642.24	1.0	104.0	60	125	
Ge (IS)	74	H2	250686.49	1.0	108.4	60	125	
Ge (IS)	74	He	30307.84	2.6	110.9	60	125	

DRAFT

Interference Check Standard-AB (ICSAB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	3.34	173.2				
In-1	115	He	62517.21	0.8	101.6	60	125	
Tb (IS)	159	He	343188.30	1.4	101.3	60	125	
Bi (IS)	209	He	247097.94	0.4	95.8	60	125	

DRAFT

Sample Report

File Name 191SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 23:37:42

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.017	ug/l	56.1	2000	
B	11	6	No Gas	0.731	ug/l	12.8	2000	
Na	23	45	He	-12.783	ug/l	N/A	500000	
Mg	24	45	He	1.971	ug/l	28.0	500000	
Al	27	45	He	2.628	ug/l	165.8	500000	
K	39	45	He	-7.578	ug/l	N/A	500000	
Ca	40	45	H2	0.753	ug/l	97.8	1000000	
Ti	47	45	No Gas	-0.068	ug/l	N/A	10000	
V	51	45	He	-0.092	ug/l	N/A	5000	
Cr	52	45	He	0.054	ug/l	376.6	20000	
Mn	55	45	He	-0.389	ug/l	N/A	20000	
Fe	56	45	H2	-9.430	ug/l	N/A	500000	
Co	59	45	He	0.003	ug/l	223.3	2000	
Ni	60	45	He	-14.776	ug/l	N/A	20000	
Cu	63	45	He	-0.038	ug/l	N/A	20000	
Zn	66	45	He	-0.464	ug/l	N/A	20000	
As	75	74	He	0.019	ug/l	311.1	5000	
Se	78	74	H2	-0.003	ug/l	N/A	3000	
Sr	88	115	He	0.025	ug/l	346.2	5000	
Mo	95	115	He	0.339	ug/l	8.6	2000	
Ag	107	115	He	0.009	ug/l	21.7	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	-0.636	ug/l	N/A	2000	
Sb	121	115	He	0.079	ug/l	10.5	1000	
Ba	137	159	He	0.048	ug/l	130.0	20000	
Tl	205	209	He	-0.029	ug/l	N/A	1000	
[Pb]	206	209	He	0.055	ug/l	37.5		
[Pb]	207	209	He	0.070	ug/l	11.3		
Pb	208	209	He	0.081	ug/l	27.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5246656.27	1.0	103.9	60	125	
Sc (ISICPMS)	45	No Gas	5161659.82	1.8	106.4	60	125	
Sc (ISICPMS)	45	H2	1334505.87	1.2	103.7	60	125	
Sc (ISICPMS)	45	He	49072.67	0.6	104.9	60	125	
Ge (IS)	74	H2	240430.73	1.6	104.0	60	125	
Ge (IS)	74	He	29123.97	2.0	106.6	60	125	
Kr	83	He	3.34	173.2				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	63481.81	1.0	103.1	60	125	
Tb (IS)	159	He	344548.36	0.8	101.7	60	125	
Bi (IS)	209	He	260769.26	0.2	101.1	60	125	

DRAFT

Sample Report

File Name 192SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 23:40:13

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.016	ug/l	68.5	2000	
B	11	6	No Gas	0.257	ug/l	19.6	2000	
Na	23	45	He	-14.852	ug/l	N/A	500000	
Mg	24	45	He	1.348	ug/l	107.6	500000	
Al	27	45	He	1.587	ug/l	183.0	500000	
K	39	45	He	-1.951	ug/l	N/A	500000	
Ca	40	45	H2	-0.765	ug/l	N/A	1000000	
Ti	47	45	No Gas	-0.393	ug/l	N/A	10000	
V	51	45	He	-0.060	ug/l	N/A	5000	
Cr	52	45	He	0.070	ug/l	425.9	20000	
Mn	55	45	He	-0.434	ug/l	N/A	20000	
Fe	56	45	H2	-12.910	ug/l	N/A	500000	
Co	59	45	He	0.013	ug/l	179.9	2000	
Ni	60	45	He	-14.764	ug/l	N/A	20000	
Cu	63	45	He	-0.034	ug/l	N/A	20000	
Zn	66	45	He	-0.007	ug/l	N/A	20000	
As	75	74	He	-0.138	ug/l	N/A	5000	
Se	78	74	H2	-0.073	ug/l	N/A	3000	
Sr	88	115	He	0.084	ug/l	78.6	5000	
Mo	95	115	He	0.116	ug/l	21.1	2000	
Ag	107	115	He	0.001	ug/l	1181.8	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	-0.539	ug/l	N/A	2000	
Sb	121	115	He	0.124	ug/l	46.3	1000	
Ba	137	159	He	-0.044	ug/l	N/A	20000	
Tl	205	209	He	-0.050	ug/l	N/A	1000	
[Pb]	206	209	He	0.007	ug/l	152.0		
[Pb]	207	209	He	0.066	ug/l	72.1		
Pb	208	209	He	0.056	ug/l	19.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5314236.17	0.4	105.3	60	125	
Sc (ISICPMS)	45	No Gas	5107613.33	1.4	105.3	60	125	
Sc (ISICPMS)	45	H2	1350470.78	0.8	104.9	60	125	
Sc (ISICPMS)	45	He	48016.68	0.5	102.7	60	125	
Ge (IS)	74	H2	243021.53	0.2	105.1	60	125	
Ge (IS)	74	He	28187.79	3.1	103.2	60	125	
Kr	83	He	3.34	173.2				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	62810.04	0.5	102.0	60	125	
Tb (IS)	159	He	343773.65	0.6	101.5	60	125	
Bi (IS)	209	He	259720.41	0.5	100.7	60	125	

DRAFT

Sample Report

File Name 193SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 23:42:43

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.008	ug/l	88.6	2000	
B	11	6	No Gas	0.045	ug/l	445.7	2000	
Na	23	45	He	-24.110	ug/l	N/A	500000	
Mg	24	45	He	-0.006	ug/l	N/A	500000	
Al	27	45	He	1.128	ug/l	65.0	500000	
K	39	45	He	0.961	ug/l	1741.2	500000	
Ca	40	45	H2	-0.527	ug/l	N/A	1000000	
Ti	47	45	No Gas	-0.410	ug/l	N/A	10000	
V	51	45	He	-0.080	ug/l	N/A	5000	
Cr	52	45	He	-0.035	ug/l	N/A	20000	
Mn	55	45	He	-0.522	ug/l	N/A	20000	
Fe	56	45	H2	-12.733	ug/l	N/A	500000	
Co	59	45	He	-0.001	ug/l	N/A	2000	
Ni	60	45	He	-14.797	ug/l	N/A	20000	
Cu	63	45	He	-0.030	ug/l	N/A	20000	
Zn	66	45	He	0.564	ug/l	152.7	20000	
As	75	74	He	0.093	ug/l	183.6	5000	
Se	78	74	H2	-0.021	ug/l	N/A	3000	
Sr	88	115	He	-0.030	ug/l	N/A	5000	
Mo	95	115	He	0.094	ug/l	24.6	2000	
Ag	107	115	He	0.001	ug/l	861.8	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	-0.591	ug/l	N/A	2000	
Sb	121	115	He	0.060	ug/l	48.7	1000	
Ba	137	159	He	-0.099	ug/l	N/A	20000	
Tl	205	209	He	-0.051	ug/l	N/A	1000	
[Pb]	206	209	He	-0.006	ug/l	N/A		
[Pb]	207	209	He	0.047	ug/l	23.2		
Pb	208	209	He	0.046	ug/l	39.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5376883.74	1.1	106.5	60	125	
Sc (ISICPMS)	45	No Gas	5101305.24	0.5	105.2	60	125	
Sc (ISICPMS)	45	H2	1319424.28	0.9	102.5	60	125	
Sc (ISICPMS)	45	He	47672.26	1.8	101.9	60	125	
Ge (IS)	74	H2	240227.48	1.0	103.9	60	125	
Ge (IS)	74	He	27960.55	1.3	102.3	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	62174.86	0.9	101.0	60	125	
Tb (IS)	159	He	339444.43	0.7	100.2	60	125	
Bi (IS)	209	He	257653.46	0.4	99.9	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 194_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 23:45:14

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	100.643	ug/l	0.7	100	90	110	
B	11	6	No Gas	243.037	ug/l	1.5	250	225	275	
Na	23	45	He	25578.936	ug/l	0.9	25000	22500	27500	
Mg	24	45	He	25595.588	ug/l	1.6	25000	22500	27500	
Al	27	45	He	25752.253	ug/l	0.3	25000	22500	27500	
K	39	45	He	25696.691	ug/l	1.4	25000	22500	27500	
Ca	40	45	H2	25389.715	ug/l	0.7	25000	22500	27500	
Ti	47	45	No Gas	99.520	ug/l	1.0	100	90	110	
V	51	45	He	101.198	ug/l	2.3	100	90	110	
Cr	52	45	He	102.133	ug/l	0.4	100	90	110	
Mn	55	45	He	101.936	ug/l	2.9	100	90	110	
Fe	56	45	H2	25449.449	ug/l	1.1	25000	22500	27500	
Co	59	45	He	101.482	ug/l	1.5	100	90	110	
Ni	60	45	He	86.227	ug/l	1.6	100	90	110	failed
Cu	63	45	He	102.612	ug/l	1.0	100	90	110	
Zn	66	45	He	258.990	ug/l	2.2	250	225	275	
As	75	74	He	101.608	ug/l	0.8	100	90	110	
Se	78	74	H2	99.266	ug/l	0.4	100	90	110	
Sr	88	115	He	101.578	ug/l	1.0	100	90	110	
Mo	95	115	He	102.345	ug/l	1.8	100	90	110	
Ag	107	115	He	49.387	ug/l	1.9	50	45	55	
Cd	111	115	He	99.739	ug/l	2.5	100	90	110	
Sn	118	115	He	102.325	ug/l	0.7	100	90	110	
Sb	121	115	He	102.147	ug/l	1.7	100	90	110	
Ba	137	159	He	102.270	ug/l	2.8	100	90	110	
Tl	205	209	He	99.799	ug/l	0.8	100	90	110	
[Pb]	206	209	He	102.716	ug/l	0.3				
[Pb]	207	209	He	100.162	ug/l	0.8				
Pb	208	209	He	101.288	ug/l	0.3	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5348620.27	0.5	105.9	60	125	
Sc (ISICPMS)	45	No Gas	5108676.59	1.3	105.3	60	125	
Sc (ISICPMS)	45	H2	1324084.63	0.9	102.9	60	125	
Sc (ISICPMS)	45	He	48061.33	0.9	102.8	60	125	
Ge (IS)	74	H2	243790.39	0.9	105.4	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	29291.31	1.5	107.2	60	125	
Kr	83	He	6.67	86.6				
In-1	115	He	62855.09	1.1	102.1	60	125	
Tb (IS)	159	He	342345.09	0.3	101.1	60	125	
Bi (IS)	209	He	254455.19	0.3	98.6	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 195_Blk.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 23:47:44

Sample Name **CCB**

Comment ---

Dilution 1.0000

Analyte Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.014	ug/l	61.7	0.8	-0.8	0.8	
B	11	6	No Gas	1.600	ug/l	13.7	40	-40	40	
Na	23	45	He	0.415	ug/l	561.2	500	-500	500	
Mg	24	45	He	-0.164	ug/l	N/A	200	-200	200	
Al	27	45	He	1.435	ug/l	135.1	40	-40	40	
K	39	45	He	4.060	ug/l	352.3	200	-200	200	
Ca	40	45	H2	5.112	ug/l	9.8	500	-500	500	
Ti	47	45	No Gas	-0.168	ug/l	N/A	4	-4	4	
V	51	45	He	0.132	ug/l	33.1	4	-4	4	
Cr	52	45	He	0.322	ug/l	77.4	4	-4	4	
Mn	55	45	He	-0.567	ug/l	N/A	8	-8	8	
Fe	56	45	H2	-10.931	ug/l	N/A	60	-60	60	
Co	59	45	He	0.018	ug/l	95.5	4	-4	4	
Ni	60	45	He	-14.496	ug/l	N/A	4	-4	4	> water RL
Cu	63	45	He	-0.212	ug/l	N/A	4	-4	4	
Zn	66	45	He	0.071	ug/l	1223.2	16	-16	16	
As	75	74	He	0.056	ug/l	262.9	2	-2	2	
Se	78	74	H2	0.030	ug/l	350.8	2.5	-2.5	2.5	
Sr	88	115	He	-0.001	ug/l	N/A	4	-4	4	
Mo	95	115	He	0.052	ug/l	130.1	4	-4	4	
Ag	107	115	He	0.003	ug/l	58.6	2	-2	2	
Cd	111	115	He	0.000	ug/l	N/A	2	-2	2	
Sn	118	115	He	-0.804	ug/l	N/A	16	-16	16	
Sb	121	115	He	0.037	ug/l	182.1	2	-2	2	
Ba	137	159	He	-0.005	ug/l	N/A	4	-4	4	
Tl	205	209	He	-0.024	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.028	ug/l	96.2				
[Pb]	207	209	He	0.079	ug/l	66.2				
Pb	208	209	He	0.060	ug/l	22.8	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5328601.10	1.8	105.5	60	125	
Sc (ISICPMS)	45	No Gas	5064252.18	1.0	104.4	60	125	
Sc (ISICPMS)	45	H2	1311890.34	1.4	101.9	60	125	
Sc (ISICPMS)	45	He	47928.62	0.7	102.5	60	125	
Ge (IS)	74	H2	239844.22	0.7	103.7	60	125	
Ge (IS)	74	He	28345.01	1.5	103.7	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	62446.51	0.5	101.4	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	340912.90	0.2	100.7	60	125	
Bi (IS)	209	He	257783.73	0.8	99.9	60	125	

DRAFT

Sample Report

File Name 196SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 23:50:14

Sample Name **460-307030-B-1-A**

Comment ---

Dilution **1.0000**

Vial # 2410

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	1.539	ug/l	8.2	2000	
B	11	6	No Gas	39.210	ug/l	0.4	2000	
Na	23	45	He	12557.728	ug/l	0.9	500000	
Mg	24	45	He	11516.425	ug/l	0.9	500000	
Al	27	45	He	39523.696	ug/l	0.8	500000	
K	39	45	He	6478.506	ug/l	1.3	500000	
Ca	40	45	H2	21042.394	ug/l	0.8	1000000	
Ti	47	45	No Gas	1000.596	ug/l	0.7	10000	
V	51	45	He	82.496	ug/l	1.8	5000	
Cr	52	45	He	385.183	ug/l	1.1	20000	
Mn	55	45	He	713.893	ug/l	1.8	20000	
Fe	56	45	H2	52013.122	ug/l	0.3	500000	
Co	59	45	He	17.532	ug/l	1.3	2000	
Ni	60	45	He	18.505	ug/l	4.7	20000	
Cu	63	45	He	178.278	ug/l	0.9	20000	
Zn	66	45	He	613.276	ug/l	1.7	20000	
As	75	74	He	447.516	ug/l	2.6	5000	
Se	78	74	H2	1.914	ug/l	23.2	3000	
Sr	88	115	He	229.633	ug/l	2.1	5000	
Mo	95	115	He	11.218	ug/l	2.6	2000	
Ag	107	115	He	0.253	ug/l	4.7	1000	
Cd	111	115	He	3.445	ug/l	17.0	5000	
Sn	118	115	He	22.219	ug/l	3.6	2000	
Sb	121	115	He	4.547	ug/l	6.5	1000	
Ba	137	159	He	1626.246	ug/l	1.0	20000	
Tl	205	209	He	0.699	ug/l	5.7	1000	
[Pb]	206	209	He	2767.791	ug/l	1.3		
[Pb]	207	209	He	2631.885	ug/l	1.2		
Pb	208	209	He	2678.586	ug/l	0.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5301040.69	0.4	105.0	60	125	
Sc (ISICPMS)	45	No Gas	5104337.56	0.8	105.2	60	125	
Sc (ISICPMS)	45	H2	1347954.06	0.2	104.7	60	125	
Sc (ISICPMS)	45	He	49190.73	0.5	105.2	60	125	
Ge (IS)	74	H2	252072.74	0.1	109.0	60	125	
Ge (IS)	74	He	30107.20	3.3	110.2	60	125	
Kr	83	He	3.34	173.2				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	62130.93	0.9	100.9	60	125	
Tb (IS)	159	He	345263.91	0.3	101.9	60	125	
Bi (IS)	209	He	256543.09	0.8	99.4	60	125	

DRAFT

Sample Report

File Name 197SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 23:52:45

Sample Name **460-307052-A-15-B**

Comment ---

Dilution **1.0000**

Vial # 2411

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	2.817	ug/l	2.4	2000	
B	11	6	No Gas	75.607	ug/l	1.6	2000	
Na	23	45	He	61177.098	ug/l	0.6	500000	
Mg	24	45	He	72020.431	ug/l	1.0	500000	
Al	27	45	He	39775.342	ug/l	1.6	500000	
K	39	45	He	10468.838	ug/l	0.4	500000	
Ca	40	45	H2	461472.908	ug/l	1.9	1000000	
Ti	47	45	No Gas	2002.088	ug/l	1.5	10000	
V	51	45	He	110.566	ug/l	1.6	5000	
Cr	52	45	He	80.918	ug/l	0.9	20000	
Mn	55	45	He	1729.974	ug/l	1.0	20000	
Fe	56	45	H2	63502.457	ug/l	1.9	500000	
Co	59	45	He	33.507	ug/l	1.3	2000	
Ni	60	45	He	102.672	ug/l	3.1	20000	
Cu	63	45	He	91.086	ug/l	0.4	20000	
Zn	66	45	He	298.332	ug/l	0.9	20000	
As	75	74	He	30.109	ug/l	6.2	5000	
Se	78	74	H2	1.205	ug/l	14.1	3000	
Sr	88	115	He	821.020	ug/l	1.6	5000	
Mo	95	115	He	6.720	ug/l	2.5	2000	
Ag	107	115	He	0.207	ug/l	12.2	1000	
Cd	111	115	He	0.878	ug/l	25.4	5000	
Sn	118	115	He	21.495	ug/l	1.4	2000	
Sb	121	115	He	1.564	ug/l	14.9	1000	
Ba	137	159	He	421.355	ug/l	1.5	20000	
Tl	205	209	He	0.659	ug/l	1.5	1000	
[Pb]	206	209	He	101.068	ug/l	0.7		
[Pb]	207	209	He	93.652	ug/l	0.3		
Pb	208	209	He	97.226	ug/l	0.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5192185.89	0.7	102.8	60	125	
Sc (ISICPMS)	45	No Gas	5051832.53	0.7	104.2	60	125	
Sc (ISICPMS)	45	H2	1341101.39	0.4	104.2	60	125	
Sc (ISICPMS)	45	He	49798.54	0.6	106.5	60	125	
Ge (IS)	74	H2	244154.84	1.1	105.6	60	125	
Ge (IS)	74	He	29568.70	4.1	108.2	60	125	
Kr	83	He	13.35	43.3				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	62542.02	1.9	101.6	60	125	
Tb (IS)	159	He	344113.58	1.2	101.6	60	125	
Bi (IS)	209	He	245119.54	0.7	95.0	60	125	

DRAFT

Sample Report

File Name 198SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 23:55:17

Sample Name **460-307052-A-16-B**

Comment ---

Dilution **1.0000**

Vial # 2412

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	4.064	ug/l	0.6	2000	
B	11	6	No Gas	61.963	ug/l	0.2	2000	
Na	23	45	He	52679.748	ug/l	1.1	500000	
Mg	24	45	He	83751.245	ug/l	1.0	500000	
Al	27	45	He	55580.136	ug/l	1.1	500000	
K	39	45	He	15696.383	ug/l	1.0	500000	
Ca	40	45	H2	402247.568	ug/l	0.6	1000000	
Ti	47	45	No Gas	2283.120	ug/l	0.9	10000	
V	51	45	He	138.111	ug/l	0.5	5000	
Cr	52	45	He	167.336	ug/l	0.5	20000	
Mn	55	45	He	2001.967	ug/l	0.5	20000	
Fe	56	45	H2	88792.724	ug/l	1.5	500000	
Co	59	45	He	52.053	ug/l	2.9	2000	
Ni	60	45	He	355.989	ug/l	2.0	20000	
Cu	63	45	He	125.794	ug/l	0.7	20000	
Zn	66	45	He	368.941	ug/l	0.2	20000	
As	75	74	He	37.272	ug/l	1.4	5000	
Se	78	74	H2	1.893	ug/l	18.6	3000	
Sr	88	115	He	1123.287	ug/l	1.7	5000	
Mo	95	115	He	6.037	ug/l	7.0	2000	
Ag	107	115	He	0.438	ug/l	10.0	1000	
Cd	111	115	He	0.980	ug/l	18.3	5000	
Sn	118	115	He	22.042	ug/l	2.6	2000	
Sb	121	115	He	1.016	ug/l	13.4	1000	
Ba	137	159	He	655.518	ug/l	1.3	20000	
Tl	205	209	He	0.820	ug/l	5.9	1000	
[Pb]	206	209	He	180.414	ug/l	0.7		
[Pb]	207	209	He	170.193	ug/l	0.3		
Pb	208	209	He	174.926	ug/l	0.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5344827.84	0.6	105.9	60	125	
Sc (ISICPMS)	45	No Gas	5249587.95	0.8	108.2	60	125	
Sc (ISICPMS)	45	H2	1398161.18	1.4	108.6	60	125	
Sc (ISICPMS)	45	He	51574.04	0.7	110.3	60	125	
Ge (IS)	74	H2	252767.39	0.9	109.3	60	125	
Ge (IS)	74	He	30970.04	0.6	113.4	60	125	
Kr	83	He	26.69	57.3				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	63086.09	1.6	102.5	60	125	
Tb (IS)	159	He	350058.72	0.3	103.4	60	125	
Bi (IS)	209	He	249304.34	0.5	96.6	60	125	

DRAFT

Sample Report

File Name 199SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-08 23:57:48

Sample Name **460-306635-B-4-B**

Comment ---

Dilution **1.0000**

Vial # 2501

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	1.716	ug/l	2.3	2000	
B	11	6	No Gas	97.540	ug/l	1.0	2000	
Na	23	45	He	12613.904	ug/l	0.6	500000	
Mg	24	45	He	47818.645	ug/l	1.0	500000	
Al	27	45	He	53069.104	ug/l	1.3	500000	
K	39	45	He	5228.368	ug/l	1.0	500000	
Ca	40	45	H2	259663.494	ug/l	1.4	1000000	
Ti	47	45	No Gas	2296.021	ug/l	1.3	10000	
V	51	45	He	184.695	ug/l	0.1	5000	
Cr	52	45	He	414.437	ug/l	0.9	20000	
Mn	55	45	He	1564.853	ug/l	0.7	20000	
Fe	56	45	H2	337612.746	ug/l	2.4	500000	
Co	59	45	He	92.604	ug/l	0.5	2000	
Ni	60	45	He	600.007	ug/l	1.0	20000	
Cu	63	45	He	1208.176	ug/l	0.6	20000	
Zn	66	45	He	6114.413	ug/l	0.7	20000	
As	75	74	He	97.589	ug/l	3.1	5000	
Se	78	74	H2	2.854	ug/l	10.8	3000	
Sr	88	115	He	1508.490	ug/l	1.9	5000	
Mo	95	115	He	34.745	ug/l	0.8	2000	
Ag	107	115	He	4.798	ug/l	3.6	1000	
Cd	111	115	He	9.796	ug/l	2.4	5000	
Sn	118	115	He	2574.620	ug/l	0.9	2000	>LDR 6020B□>LDR 200.8
Sb	121	115	He	33.106	ug/l	3.3	1000	
Ba	137	159	He	2553.604	ug/l	1.5	20000	
Tl	205	209	He	0.321	ug/l	6.7	1000	
[Pb]	206	209	He	21886.315	ug/l	0.7		
[Pb]	207	209	He	21729.907	ug/l	0.5		
Pb	208	209	He	21758.947	ug/l	0.7	20000	>LDR 6020B□>LDR 200.8

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5418192.07	0.5	107.3	60	125	
Sc (ISICPMS)	45	No Gas	5227687.94	1.8	107.8	60	125	
Sc (ISICPMS)	45	H2	1383793.94	1.0	107.5	60	125	
Sc (ISICPMS)	45	He	50884.66	0.7	108.8	60	125	
Ge (IS)	74	H2	250905.23	1.3	108.5	60	125	
Ge (IS)	74	He	30993.43	1.2	113.4	60	125	
Kr	83	He	6.67	86.6				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	62380.54	1.2	101.3	60	125	
Tb (IS)	159	He	349498.55	0.3	103.2	60	125	
Bi (IS)	209	He	258698.61	0.9	100.3	60	125	

DRAFT

Sample Report

File Name 200SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-09 00:00:20

Sample Name **460-306805-B-1-D**

Comment ---

Dilution **1.0000**

Vial # 2502

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	16.471	ug/l	0.9	2000	
B	11	6	No Gas	31.812	ug/l	2.0	2000	
Na	23	45	He	3563.472	ug/l	0.1	500000	
Mg	24	45	He	93036.751	ug/l	0.6	500000	
Al	27	45	He	125238.425	ug/l	0.6	500000	
K	39	45	He	7507.937	ug/l	0.7	500000	
Ca	40	45	H2	152038.542	ug/l	0.7	1000000	
Ti	47	45	No Gas	1890.354	ug/l	1.0	10000	
V	51	45	He	282.004	ug/l	0.6	5000	
Cr	52	45	He	241.571	ug/l	0.4	20000	
Mn	55	45	He	5758.856	ug/l	1.8	20000	
Fe	56	45	H2	229292.479	ug/l	0.1	500000	
Co	59	45	He	94.170	ug/l	0.7	2000	
Ni	60	45	He	157.083	ug/l	1.4	20000	
Cu	63	45	He	308.529	ug/l	0.8	20000	
Zn	66	45	He	503.719	ug/l	0.5	20000	
As	75	74	He	52.152	ug/l	5.3	5000	
Se	78	74	H2	2.028	ug/l	17.3	3000	
Sr	88	115	He	161.080	ug/l	0.4	5000	
Mo	95	115	He	4.957	ug/l	8.0	2000	
Ag	107	115	He	0.411	ug/l	9.1	1000	
Cd	111	115	He	1.629	ug/l	13.9	5000	
Sn	118	115	He	20.345	ug/l	3.1	2000	
Sb	121	115	He	2.045	ug/l	9.3	1000	
Ba	137	159	He	606.390	ug/l	2.2	20000	
Tl	205	209	He	1.456	ug/l	5.0	1000	
[Pb]	206	209	He	214.926	ug/l	1.1		
[Pb]	207	209	He	201.993	ug/l	0.2		
Pb	208	209	He	206.513	ug/l	0.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5452436.38	0.9	108.0	60	125	
Sc (ISICPMS)	45	No Gas	5778705.95	0.2	119.1	60	125	
Sc (ISICPMS)	45	H2	1511843.33	0.4	117.5	60	125	
Sc (ISICPMS)	45	He	54845.31	0.1	117.3	60	125	
Ge (IS)	74	H2	261694.88	0.3	113.2	60	125	
Ge (IS)	74	He	31471.70	1.9	115.2	60	125	
Kr	83	He	80.08	50.0				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	63622.28	0.6	103.4	60	125	
Tb (IS)	159	He	370784.63	0.5	109.5	60	125	
Bi (IS)	209	He	255406.44	0.3	99.0	60	125	

DRAFT

Sample Report

File Name 201SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-09 00:02:51

Sample Name **460-307098-B-1-A**

Comment ---

Dilution **1.0000**

Vial # 2503

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	2.794	ug/l	3.4	2000	
B	11	6	No Gas	72.550	ug/l	2.1	2000	
Na	23	45	He	3352.189	ug/l	1.1	500000	
Mg	24	45	He	153592.881	ug/l	1.2	500000	
Al	27	45	He	49896.877	ug/l	1.6	500000	
K	39	45	He	4237.479	ug/l	1.8	500000	
Ca	40	45	H2	488802.225	ug/l	1.4	1000000	
Ti	47	45	No Gas	2165.284	ug/l	1.8	10000	
V	51	45	He	1019.855	ug/l	1.2	5000	
Cr	52	45	He	76.731	ug/l	2.4	20000	
Mn	55	45	He	1421.810	ug/l	0.6	20000	
Fe	56	45	H2	88776.125	ug/l	2.1	500000	
Co	59	45	He	65.801	ug/l	1.5	2000	
Ni	60	45	He	135.154	ug/l	0.3	20000	
Cu	63	45	He	895.893	ug/l	0.7	20000	
Zn	66	45	He	1302.922	ug/l	1.1	20000	
As	75	74	He	34.047	ug/l	1.0	5000	
Se	78	74	H2	2.755	ug/l	16.4	3000	
Sr	88	115	He	862.215	ug/l	1.6	5000	
Mo	95	115	He	11.121	ug/l	0.5	2000	
Ag	107	115	He	1.505	ug/l	2.4	1000	
Cd	111	115	He	1.321	ug/l	6.5	5000	
Sn	118	115	He	73.655	ug/l	2.4	2000	
Sb	121	115	He	8.599	ug/l	3.2	1000	
Ba	137	159	He	387.334	ug/l	1.4	20000	
Tl	205	209	He	0.272	ug/l	4.3	1000	
[Pb]	206	209	He	879.081	ug/l	0.7		
[Pb]	207	209	He	854.678	ug/l	0.4		
Pb	208	209	He	914.959	ug/l	0.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5358629.09	1.1	106.1	60	125	
Sc (ISICPMS)	45	No Gas	5339088.29	1.4	110.1	60	125	
Sc (ISICPMS)	45	H2	1406805.40	1.1	109.3	60	125	
Sc (ISICPMS)	45	He	50709.55	0.8	108.4	60	125	
Ge (IS)	74	H2	253959.01	1.0	109.8	60	125	
Ge (IS)	74	He	30451.74	1.8	111.5	60	125	
Kr	83	He	23.36	65.5				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	63420.08	0.8	103.0	60	125	
Tb (IS)	159	He	350032.45	0.6	103.3	60	125	
Bi (IS)	209	He	249488.50	0.4	96.7	60	125	

DRAFT

Sample Report

File Name 202SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-09 00:05:22

Sample Name **460-307098-B-2-A**

Comment ---

Dilution **1.0000**

Vial # 2504

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	8.244	ug/l	2.4	2000	
B	11	6	No Gas	208.339	ug/l	1.1	2000	
Na	23	45	He	17090.043	ug/l	0.8	500000	
Mg	24	45	He	57335.461	ug/l	1.2	500000	
Al	27	45	He	103226.864	ug/l	0.8	500000	
K	39	45	He	14807.609	ug/l	0.4	500000	
Ca	40	45	H2	337052.417	ug/l	1.6	1000000	
Ti	47	45	No Gas	3828.860	ug/l	1.2	10000	
V	51	45	He	665.399	ug/l	1.4	5000	
Cr	52	45	He	519.278	ug/l	1.2	20000	
Mn	55	45	He	2585.434	ug/l	1.1	20000	
Fe	56	45	H2	477321.307	ug/l	1.6	500000	>LDR 200.8
Co	59	45	He	286.820	ug/l	0.9	2000	
Ni	60	45	He	886.644	ug/l	0.5	20000	
Cu	63	45	He	41451.340	ug/l	0.6	20000	>LDR 6020B□>LDR 200.8
Zn	66	45	He	45552.595	ug/l	0.6	20000	>LDR 6020B□>LDR 200.8
As	75	74	He	367.705	ug/l	2.3	5000	
Se	78	74	H2	51.199	ug/l	1.6	3000	
Sr	88	115	He	1130.124	ug/l	0.8	5000	
Mo	95	115	He	203.264	ug/l	1.5	2000	
Ag	107	115	He	55.254	ug/l	0.9	1000	
Cd	111	115	He	127.161	ug/l	2.3	5000	
Sn	118	115	He	1879.610	ug/l	0.9	2000	>LDR 200.8
Sb	121	115	He	59.593	ug/l	0.2	1000	
Ba	137	159	He	3666.516	ug/l	0.6	20000	
Tl	205	209	He	2.466	ug/l	2.3	1000	
[Pb]	206	209	He	12091.960	ug/l	2.1		
[Pb]	207	209	He	11811.577	ug/l	1.2		
Pb	208	209	He	11932.966	ug/l	1.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5356307.35	0.9	106.1	60	125	
Sc (ISICPMS)	45	No Gas	5328859.19	1.2	109.9	60	125	
Sc (ISICPMS)	45	H2	1431466.51	1.2	111.2	60	125	
Sc (ISICPMS)	45	He	52431.63	0.4	112.1	60	125	
Ge (IS)	74	H2	254393.49	0.7	110.0	60	125	
Ge (IS)	74	He	30358.23	0.8	111.1	60	125	
Kr	83	He	10.01	100.0				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	81058.41	0.6	131.7	60	125	fail
Tb (IS)	159	He	353619.81	1.0	104.4	60	125	
Bi (IS)	209	He	330733.23	0.9	128.2	60	125	fail

DRAFT

Sample Report

File Name 203SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-09 00:07:54

Sample Name **460-307098-B-4-A**

Comment ---

Dilution **1.0000**

Vial # 2505

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	2.897	ug/l	2.0	2000	
B	11	6	No Gas	142.280	ug/l	2.6	2000	
Na	23	45	He	5276.756	ug/l	0.3	500000	
Mg	24	45	He	80976.105	ug/l	0.8	500000	
Al	27	45	He	60781.913	ug/l	0.8	500000	
K	39	45	He	5550.180	ug/l	0.2	500000	
Ca	40	45	H2	311539.099	ug/l	1.0	1000000	
Ti	47	45	No Gas	3039.200	ug/l	2.0	10000	
V	51	45	He	673.376	ug/l	1.1	5000	
Cr	52	45	He	121.422	ug/l	0.9	20000	
Mn	55	45	He	1467.606	ug/l	0.4	20000	
Fe	56	45	H2	125821.945	ug/l	1.2	500000	
Co	59	45	He	70.671	ug/l	1.3	2000	
Ni	60	45	He	128.967	ug/l	1.0	20000	
Cu	63	45	He	911.305	ug/l	0.8	20000	
Zn	66	45	He	8035.749	ug/l	0.3	20000	
As	75	74	He	40.068	ug/l	7.7	5000	
Se	78	74	H2	3.347	ug/l	19.6	3000	
Sr	88	115	He	848.209	ug/l	0.7	5000	
Mo	95	115	He	13.280	ug/l	1.6	2000	
Ag	107	115	He	2.967	ug/l	0.9	1000	
Cd	111	115	He	18.329	ug/l	7.8	5000	
Sn	118	115	He	70.595	ug/l	1.8	2000	
Sb	121	115	He	7.266	ug/l	6.0	1000	
Ba	137	159	He	484.755	ug/l	0.8	20000	
Tl	205	209	He	0.319	ug/l	6.1	1000	
[Pb]	206	209	He	1035.584	ug/l	0.5		
[Pb]	207	209	He	990.294	ug/l	0.7		
Pb	208	209	He	1066.254	ug/l	0.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5311834.47	1.2	105.2	60	125	
Sc (ISICPMS)	45	No Gas	5312681.87	1.1	109.5	60	125	
Sc (ISICPMS)	45	H2	1408838.31	0.7	109.5	60	125	
Sc (ISICPMS)	45	He	51513.62	0.3	110.2	60	125	
Ge (IS)	74	H2	254404.24	0.5	110.0	60	125	
Ge (IS)	74	He	30943.17	3.0	113.3	60	125	
Kr	83	He	3.34	173.2				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	64606.82	0.7	105.0	60	125	
Tb (IS)	159	He	352962.25	1.0	104.2	60	125	
Bi (IS)	209	He	254736.59	0.8	98.7	60	125	

DRAFT

Sample Report

File Name 204SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-09 00:10:27

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.003	ug/l	64.0	2000	
B	11	6	No Gas	1.905	ug/l	16.2	2000	
Na	23	45	He	-24.966	ug/l	N/A	500000	
Mg	24	45	He	2.564	ug/l	30.4	500000	
Al	27	45	He	3.636	ug/l	30.4	500000	
K	39	45	He	0.405	ug/l	5157.7	500000	
Ca	40	45	H2	16.620	ug/l	3.5	1000000	
Ti	47	45	No Gas	-0.370	ug/l	N/A	10000	
V	51	45	He	-0.057	ug/l	N/A	5000	
Cr	52	45	He	0.113	ug/l	90.1	20000	
Mn	55	45	He	-0.166	ug/l	N/A	20000	
Fe	56	45	H2	-8.290	ug/l	N/A	500000	
Co	59	45	He	0.011	ug/l	149.6	2000	
Ni	60	45	He	-15.045	ug/l	N/A	20000	
Cu	63	45	He	0.720	ug/l	8.8	20000	
Zn	66	45	He	2.468	ug/l	18.0	20000	
As	75	74	He	0.058	ug/l	113.8	5000	
Se	78	74	H2	-0.003	ug/l	N/A	3000	
Sr	88	115	He	0.157	ug/l	46.4	5000	
Mo	95	115	He	0.010	ug/l	322.8	2000	
Ag	107	115	He	0.012	ug/l	82.2	1000	
Cd	111	115	He	0.011	ug/l	173.2	5000	
Sn	118	115	He	-0.438	ug/l	N/A	2000	
Sb	121	115	He	0.025	ug/l	110.5	1000	
Ba	137	159	He	-0.044	ug/l	N/A	20000	
Tl	205	209	He	-0.061	ug/l	N/A	1000	
[Pb]	206	209	He	0.657	ug/l	6.0		
[Pb]	207	209	He	0.688	ug/l	17.3		
Pb	208	209	He	0.657	ug/l	5.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5398138.81	1.8	106.9	60	125	
Sc (ISICPMS)	45	No Gas	5106994.79	0.4	105.3	60	125	
Sc (ISICPMS)	45	H2	1332047.07	0.3	103.5	60	125	
Sc (ISICPMS)	45	He	48373.64	0.2	103.4	60	125	
Ge (IS)	74	H2	238954.25	0.5	103.3	60	125	
Ge (IS)	74	He	28525.65	4.1	104.4	60	125	
Kr	83	He	6.67	86.6				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	63319.97	0.9	102.9	60	125	
Tb (IS)	159	He	344214.64	1.0	101.6	60	125	
Bi (IS)	209	He	259716.47	0.8	100.7	60	125	

DRAFT

Sample Report

File Name 205SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-09 00:12:57

Sample Name **460-307098-B-5-A**

Comment ---

Dilution **1.0000**

Vial # 2506

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	6.001	ug/l	1.9	2000	
B	11	6	No Gas	161.089	ug/l	0.4	2000	
Na	23	45	He	9623.003	ug/l	0.7	500000	
Mg	24	45	He	41084.894	ug/l	1.7	500000	
Al	27	45	He	94194.309	ug/l	0.6	500000	
K	39	45	He	9568.806	ug/l	1.2	500000	
Ca	40	45	H2	192995.503	ug/l	1.8	1000000	
Ti	47	45	No Gas	2687.337	ug/l	1.3	10000	
V	51	45	He	609.001	ug/l	1.6	5000	
Cr	52	45	He	393.002	ug/l	0.9	20000	
Mn	55	45	He	2203.893	ug/l	1.2	20000	
Fe	56	45	H2	281697.320	ug/l	2.0	500000	
Co	59	45	He	157.599	ug/l	0.8	2000	
Ni	60	45	He	588.106	ug/l	1.6	20000	
Cu	63	45	He	26653.441	ug/l	1.1	20000	>LDR 6020B□>LDR 200.8
Zn	66	45	He	23583.995	ug/l	1.4	20000	>LDR 6020B□>LDR 200.8
As	75	74	He	278.252	ug/l	3.6	5000	
Se	78	74	H2	41.566	ug/l	1.4	3000	
Sr	88	115	He	791.612	ug/l	1.5	5000	
Mo	95	115	He	47.566	ug/l	1.1	2000	
Ag	107	115	He	50.869	ug/l	1.8	1000	
Cd	111	115	He	126.888	ug/l	1.9	5000	
Sn	118	115	He	1108.337	ug/l	0.6	2000	
Sb	121	115	He	52.893	ug/l	1.9	1000	
Ba	137	159	He	2406.988	ug/l	1.4	20000	
Tl	205	209	He	2.000	ug/l	1.0	1000	
[Pb]	206	209	He	9919.646	ug/l	1.1		
[Pb]	207	209	He	9783.371	ug/l	1.0		
Pb	208	209	He	9853.059	ug/l	1.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5292950.86	0.5	104.8	60	125	
Sc (ISICPMS)	45	No Gas	5285894.78	0.6	109.0	60	125	
Sc (ISICPMS)	45	H2	1418889.70	0.5	110.2	60	125	
Sc (ISICPMS)	45	He	52429.30	1.2	112.1	60	125	
Ge (IS)	74	H2	254761.79	1.0	110.2	60	125	
Ge (IS)	74	He	31311.21	4.4	114.6	60	125	
Kr	83	He	23.36	65.5				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	71536.06	1.0	116.2	60	125	
Tb (IS)	159	He	354453.35	0.5	104.7	60	125	
Bi (IS)	209	He	322455.34	0.9	125.0	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 206_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-09 00:15:29

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	100.310	ug/l	1.8	100	90	110	
B	11	6	No Gas	244.385	ug/l	1.2	250	225	275	
Na	23	45	He	25611.513	ug/l	0.4	25000	22500	27500	
Mg	24	45	He	25386.684	ug/l	0.1	25000	22500	27500	
Al	27	45	He	25476.524	ug/l	1.7	25000	22500	27500	
K	39	45	He	25857.152	ug/l	0.6	25000	22500	27500	
Ca	40	45	H2	25258.935	ug/l	0.7	25000	22500	27500	
Ti	47	45	No Gas	99.007	ug/l	1.9	100	90	110	
V	51	45	He	101.517	ug/l	1.4	100	90	110	
Cr	52	45	He	101.776	ug/l	0.3	100	90	110	
Mn	55	45	He	101.924	ug/l	2.5	100	90	110	
Fe	56	45	H2	25097.873	ug/l	0.6	25000	22500	27500	
Co	59	45	He	101.925	ug/l	0.8	100	90	110	
Ni	60	45	He	86.606	ug/l	0.9	100	90	110	failed
Cu	63	45	He	103.635	ug/l	1.2	100	90	110	
Zn	66	45	He	258.666	ug/l	1.1	250	225	275	
As	75	74	He	103.401	ug/l	3.0	100	90	110	
Se	78	74	H2	97.617	ug/l	0.6	100	90	110	
Sr	88	115	He	103.444	ug/l	1.7	100	90	110	
Mo	95	115	He	101.765	ug/l	1.0	100	90	110	
Ag	107	115	He	48.813	ug/l	0.3	50	45	55	
Cd	111	115	He	99.148	ug/l	1.9	100	90	110	
Sn	118	115	He	102.671	ug/l	1.6	100	90	110	
Sb	121	115	He	100.768	ug/l	1.1	100	90	110	
Ba	137	159	He	105.642	ug/l	1.3	100	90	110	
Tl	205	209	He	100.709	ug/l	0.4	100	90	110	
[Pb]	206	209	He	102.423	ug/l	0.5				
[Pb]	207	209	He	102.408	ug/l	0.6				
Pb	208	209	He	102.144	ug/l	0.4	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5354176.76	1.1	106.1	60	125	
Sc (ISICPMS)	45	No Gas	5261971.69	0.6	108.5	60	125	
Sc (ISICPMS)	45	H2	1386505.38	0.6	107.7	60	125	
Sc (ISICPMS)	45	He	49849.81	0.2	106.6	60	125	
Ge (IS)	74	H2	255982.94	1.0	110.7	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	29950.08	2.4	109.6	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	64390.05	0.8	104.6	60	125	
Tb (IS)	159	He	347014.58	0.6	102.5	60	125	
Bi (IS)	209	He	257040.06	0.6	99.6	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 207_Blk.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-09 00:17:59

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.016	ug/l	66.6	0.8	-0.8	0.8	
B	11	6	No Gas	2.801	ug/l	5.8	40	-40	40	
Na	23	45	He	-8.741	ug/l	N/A	500	-500	500	
Mg	24	45	He	1.609	ug/l	101.9	200	-200	200	
Al	27	45	He	2.688	ug/l	58.3	40	-40	40	
K	39	45	He	3.890	ug/l	259.4	200	-200	200	
Ca	40	45	H2	14.242	ug/l	5.5	500	-500	500	
Ti	47	45	No Gas	-0.359	ug/l	N/A	4	-4	4	
V	51	45	He	0.000	ug/l	72631.4	4	-4	4	
Cr	52	45	He	-0.114	ug/l	N/A	4	-4	4	
Mn	55	45	He	-0.259	ug/l	N/A	8	-8	8	
Fe	56	45	H2	-7.516	ug/l	N/A	60	-60	60	
Co	59	45	He	0.003	ug/l	251.3	4	-4	4	
Ni	60	45	He	-14.870	ug/l	N/A	4	-4	4	> water RL
Cu	63	45	He	0.581	ug/l	0.3	4	-4	4	
Zn	66	45	He	1.157	ug/l	16.2	16	-16	16	
As	75	74	He	-0.014	ug/l	N/A	2	-2	2	
Se	78	74	H2	0.063	ug/l	44.8	2.5	-2.5	2.5	
Sr	88	115	He	0.101	ug/l	95.9	4	-4	4	
Mo	95	115	He	0.059	ug/l	45.8	4	-4	4	
Ag	107	115	He	0.003	ug/l	67.4	2	-2	2	
Cd	111	115	He	0.011	ug/l	173.2	2	-2	2	
Sn	118	115	He	-0.708	ug/l	N/A	16	-16	16	
Sb	121	115	He	0.085	ug/l	68.4	2	-2	2	
Ba	137	159	He	0.015	ug/l	582.9	4	-4	4	
Tl	205	209	He	-0.026	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.605	ug/l	3.8				
[Pb]	207	209	He	0.716	ug/l	6.6				
Pb	208	209	He	0.640	ug/l	4.1	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5266673.60	0.8	104.3	60	125	
Sc (ISICPMS)	45	No Gas	5093583.26	0.1	105.0	60	125	
Sc (ISICPMS)	45	H2	1319075.79	1.0	102.5	60	125	
Sc (ISICPMS)	45	He	48750.31	0.6	104.2	60	125	
Ge (IS)	74	H2	241647.84	0.6	104.5	60	125	
Ge (IS)	74	He	29267.86	2.6	107.1	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	63034.72	1.1	102.4	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	338545.11	1.1	100.0	60	125	
Bi (IS)	209	He	256505.90	0.4	99.4	60	125	

DRAFT

Sample Report

File Name 208SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-09 00:20:29

Sample Name **460-307098-C-7-A**

Comment ---

Dilution **1.0000**

Vial # 2507

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	2.093	ug/l	1.4	2000	
B	11	6	No Gas	194.439	ug/l	2.2	2000	
Na	23	45	He	4748.841	ug/l	1.2	500000	
Mg	24	45	He	59893.278	ug/l	0.2	500000	
Al	27	45	He	66702.423	ug/l	1.2	500000	
K	39	45	He	2375.616	ug/l	0.6	500000	
Ca	40	45	H2	224998.833	ug/l	1.7	1000000	
Ti	47	45	No Gas	3730.962	ug/l	1.2	10000	
V	51	45	He	882.883	ug/l	0.6	5000	
Cr	52	45	He	133.563	ug/l	0.8	20000	
Mn	55	45	He	2218.448	ug/l	1.2	20000	
Fe	56	45	H2	145833.301	ug/l	2.7	500000	
Co	59	45	He	95.742	ug/l	0.2	2000	
Ni	60	45	He	141.168	ug/l	1.4	20000	
Cu	63	45	He	653.604	ug/l	0.2	20000	
Zn	66	45	He	1049.683	ug/l	0.7	20000	
As	75	74	He	34.610	ug/l	2.4	5000	
Se	78	74	H2	1.852	ug/l	16.7	3000	
Sr	88	115	He	298.284	ug/l	0.5	5000	
Mo	95	115	He	8.814	ug/l	6.0	2000	
Ag	107	115	He	1.400	ug/l	2.5	1000	
Cd	111	115	He	3.016	ug/l	8.1	5000	
Sn	118	115	He	28.098	ug/l	2.6	2000	
Sb	121	115	He	4.578	ug/l	1.7	1000	
Ba	137	159	He	301.586	ug/l	2.1	20000	
Tl	205	209	He	0.167	ug/l	12.6	1000	
[Pb]	206	209	He	785.674	ug/l	0.8		
[Pb]	207	209	He	762.839	ug/l	0.4		
Pb	208	209	He	816.456	ug/l	0.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5384789.33	1.6	106.7	60	125	
Sc (ISICPMS)	45	No Gas	5422600.54	1.0	111.8	60	125	
Sc (ISICPMS)	45	H2	1459611.23	1.5	113.4	60	125	
Sc (ISICPMS)	45	He	53723.22	0.5	114.9	60	125	
Ge (IS)	74	H2	260245.38	0.5	112.6	60	125	
Ge (IS)	74	He	31327.91	0.4	114.7	60	125	
Kr	83	He	56.72	27.0				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	66293.52	1.3	107.7	60	125	
Tb (IS)	159	He	363700.35	0.4	107.4	60	125	
Bi (IS)	209	He	259455.77	1.0	100.6	60	125	

DRAFT

Sample Report

File Name 209SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-09 00:23:01

Sample Name **460-307098-B-8-A**

Comment ---

Dilution **1.0000**

Vial # 2508

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	8.508	ug/l	1.3	2000	
B	11	6	No Gas	45.496	ug/l	1.9	2000	
Na	23	45	He	739.735	ug/l	1.3	500000	
Mg	24	45	He	18586.413	ug/l	0.9	500000	
Al	27	45	He	64375.019	ug/l	1.0	500000	
K	39	45	He	7360.839	ug/l	0.2	500000	
Ca	40	45	H2	20310.490	ug/l	0.8	1000000	
Ti	47	45	No Gas	1890.680	ug/l	1.6	10000	
V	51	45	He	284.303	ug/l	0.6	5000	
Cr	52	45	He	140.200	ug/l	1.2	20000	
Mn	55	45	He	2088.470	ug/l	0.4	20000	
Fe	56	45	H2	157105.867	ug/l	0.8	500000	
Co	59	45	He	69.955	ug/l	0.7	2000	
Ni	60	45	He	133.009	ug/l	0.7	20000	
Cu	63	45	He	1400.702	ug/l	4.4	20000	
Zn	66	45	He	2267.225	ug/l	0.5	20000	
As	75	74	He	58.800	ug/l	0.7	5000	
Se	78	74	H2	4.303	ug/l	10.4	3000	
Sr	88	115	He	140.124	ug/l	0.8	5000	
Mo	95	115	He	10.068	ug/l	3.0	2000	
Ag	107	115	He	1.675	ug/l	0.8	1000	
Cd	111	115	He	2.444	ug/l	10.0	5000	
Sn	118	115	He	89.400	ug/l	2.1	2000	
Sb	121	115	He	9.081	ug/l	2.9	1000	
Ba	137	159	He	553.188	ug/l	0.4	20000	
Tl	205	209	He	0.810	ug/l	1.4	1000	
[Pb]	206	209	He	815.424	ug/l	0.8		
[Pb]	207	209	He	797.691	ug/l	1.1		
Pb	208	209	He	852.886	ug/l	0.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5382602.07	0.8	106.6	60	125	
Sc (ISICPMS)	45	No Gas	5447928.32	1.2	112.3	60	125	
Sc (ISICPMS)	45	H2	1425373.05	0.2	110.7	60	125	
Sc (ISICPMS)	45	He	52684.82	1.1	112.7	60	125	
Ge (IS)	74	H2	256263.09	0.9	110.8	60	125	
Ge (IS)	74	He	31622.33	1.3	115.7	60	125	
Kr	83	He	43.38	13.3				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	64830.12	1.6	105.3	60	125	
Tb (IS)	159	He	361784.91	0.8	106.8	60	125	
Bi (IS)	209	He	263005.56	0.4	101.9	60	125	

DRAFT

Sample Report

File Name 210SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-09 00:25:33

Sample Name **460-307098-B-10-A**

Comment ---

Dilution **1.0000**

Vial # 2509

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	9.215	ug/l	1.0	2000	
B	11	6	No Gas	68.334	ug/l	0.9	2000	
Na	23	45	He	3432.429	ug/l	0.8	500000	
Mg	24	45	He	37551.412	ug/l	0.5	500000	
Al	27	45	He	90010.532	ug/l	1.2	500000	
K	39	45	He	11155.980	ug/l	1.2	500000	
Ca	40	45	H2	111907.544	ug/l	1.0	1000000	
Ti	47	45	No Gas	2758.386	ug/l	1.1	10000	
V	51	45	He	398.944	ug/l	0.6	5000	
Cr	52	45	He	242.769	ug/l	0.5	20000	
Mn	55	45	He	1725.916	ug/l	0.1	20000	
Fe	56	45	H2	292688.436	ug/l	1.2	500000	
Co	59	45	He	151.298	ug/l	0.6	2000	
Ni	60	45	He	282.187	ug/l	0.9	20000	
Cu	63	45	He	10344.497	ug/l	1.1	20000	
Zn	66	45	He	10419.520	ug/l	1.1	20000	
As	75	74	He	74.095	ug/l	1.3	5000	
Se	78	74	H2	5.108	ug/l	2.2	3000	
Sr	88	115	He	460.230	ug/l	0.8	5000	
Mo	95	115	He	17.372	ug/l	2.1	2000	
Ag	107	115	He	2.472	ug/l	3.7	1000	
Cd	111	115	He	3.113	ug/l	5.1	5000	
Sn	118	115	He	486.605	ug/l	1.3	2000	
Sb	121	115	He	15.856	ug/l	7.2	1000	
Ba	137	159	He	1358.266	ug/l	0.8	20000	
Tl	205	209	He	1.120	ug/l	2.6	1000	
[Pb]	206	209	He	3402.368	ug/l	0.3		
[Pb]	207	209	He	3305.448	ug/l	0.5		
Pb	208	209	He	3353.996	ug/l	0.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5249822.84	0.6	104.0	60	125	
Sc (ISICPMS)	45	No Gas	5467499.29	0.4	112.7	60	125	
Sc (ISICPMS)	45	H2	1442963.33	0.9	112.1	60	125	
Sc (ISICPMS)	45	He	52428.23	0.8	112.1	60	125	
Ge (IS)	74	H2	252076.80	0.5	109.0	60	125	
Ge (IS)	74	He	30876.49	1.4	113.0	60	125	
Kr	83	He	53.39	10.8				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	65763.37	1.1	106.8	60	125	
Tb (IS)	159	He	358571.12	0.3	105.9	60	125	
Bi (IS)	209	He	255490.33	0.2	99.0	60	125	

DRAFT

Sample Report

File Name 211SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-09 00:28:04

Sample Name **460-307098-B-11-A**

Comment ---

Dilution **1.0000**

Vial # 2510

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	8.498	ug/l	1.5	2000	
B	11	6	No Gas	115.241	ug/l	1.3	2000	
Na	23	45	He	5230.827	ug/l	1.1	500000	
Mg	24	45	He	36579.158	ug/l	0.2	500000	
Al	27	45	He	94066.943	ug/l	0.2	500000	
K	39	45	He	10006.311	ug/l	1.0	500000	
Ca	40	45	H2	157284.171	ug/l	1.9	1000000	
Ti	47	45	No Gas	3254.126	ug/l	1.6	10000	
V	51	45	He	359.616	ug/l	1.5	5000	
Cr	52	45	He	327.387	ug/l	1.1	20000	
Mn	55	45	He	2088.806	ug/l	0.9	20000	
Fe	56	45	H2	364668.255	ug/l	1.2	500000	
Co	59	45	He	178.872	ug/l	1.6	2000	
Ni	60	45	He	423.838	ug/l	0.7	20000	
Cu	63	45	He	18499.665	ug/l	1.0	20000	>LDR 200.8
Zn	66	45	He	45895.535	ug/l	1.0	20000	>LDR 6020B□>LDR 200.8
As	75	74	He	124.130	ug/l	5.9	5000	
Se	78	74	H2	12.160	ug/l	2.7	3000	
Sr	88	115	He	648.310	ug/l	1.5	5000	
Mo	95	115	He	36.597	ug/l	3.2	2000	
Ag	107	115	He	17.631	ug/l	1.6	1000	
Cd	111	115	He	5.791	ug/l	7.4	5000	
Sn	118	115	He	1937.144	ug/l	0.9	2000	>LDR 200.8
Sb	121	115	He	45.423	ug/l	2.1	1000	
Ba	137	159	He	2220.208	ug/l	0.9	20000	
Tl	205	209	He	1.067	ug/l	2.3	1000	
[Pb]	206	209	He	11357.572	ug/l	0.5		
[Pb]	207	209	He	10957.523	ug/l	0.2		
Pb	208	209	He	11105.772	ug/l	0.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5145902.84	0.7	101.9	60	125	
Sc (ISICPMS)	45	No Gas	5220549.05	1.0	107.6	60	125	
Sc (ISICPMS)	45	H2	1363376.26	0.0	105.9	60	125	
Sc (ISICPMS)	45	He	48898.63	0.3	104.6	60	125	
Ge (IS)	74	H2	244166.20	0.6	105.6	60	125	
Ge (IS)	74	He	28782.95	1.2	105.3	60	125	
Kr	83	He	30.03	57.7				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	64774.90	2.0	105.2	60	125	
Tb (IS)	159	He	342468.13	1.2	101.1	60	125	
Bi (IS)	209	He	264065.50	0.3	102.3	60	125	

DRAFT

Sample Report

File Name 212SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-09 00:30:36

Sample Name **460-307098-B-13-A**

Comment ---

Dilution **1.0000**

Vial # 2511

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	3.319	ug/l	0.7	2000	
B	11	6	No Gas	56.923	ug/l	0.6	2000	
Na	23	45	He	7508.150	ug/l	1.3	500000	
Mg	24	45	He	27548.815	ug/l	1.5	500000	
Al	27	45	He	66871.268	ug/l	1.1	500000	
K	39	45	He	9839.861	ug/l	2.6	500000	
Ca	40	45	H2	26667.359	ug/l	0.9	1000000	
Ti	47	45	No Gas	2105.861	ug/l	1.5	10000	
V	51	45	He	193.823	ug/l	2.2	5000	
Cr	52	45	He	153.631	ug/l	2.0	20000	
Mn	55	45	He	1490.280	ug/l	1.3	20000	
Fe	56	45	H2	194995.852	ug/l	0.4	500000	
Co	59	45	He	59.663	ug/l	1.3	2000	
Ni	60	45	He	136.663	ug/l	1.8	20000	
Cu	63	45	He	1158.901	ug/l	0.7	20000	
Zn	66	45	He	1243.417	ug/l	0.9	20000	
As	75	74	He	31.297	ug/l	9.2	5000	
Se	78	74	H2	1.836	ug/l	19.9	3000	
Sr	88	115	He	165.475	ug/l	0.2	5000	
Mo	95	115	He	7.231	ug/l	5.5	2000	
Ag	107	115	He	0.889	ug/l	3.5	1000	
Cd	111	115	He	3.082	ug/l	7.7	5000	
Sn	118	115	He	115.605	ug/l	1.1	2000	
Sb	121	115	He	6.769	ug/l	2.5	1000	
Ba	137	159	He	1119.831	ug/l	2.7	20000	
Tl	205	209	He	0.854	ug/l	6.7	1000	
[Pb]	206	209	He	1964.163	ug/l	0.5		
[Pb]	207	209	He	1704.281	ug/l	0.8		
Pb	208	209	He	1879.094	ug/l	0.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5118502.46	0.9	101.4	60	125	
Sc (ISICPMS)	45	No Gas	5176803.36	1.4	106.7	60	125	
Sc (ISICPMS)	45	H2	1337463.14	1.3	103.9	60	125	
Sc (ISICPMS)	45	He	48835.16	1.0	104.4	60	125	
Ge (IS)	74	H2	241213.74	0.5	104.3	60	125	
Ge (IS)	74	He	28712.86	2.8	105.1	60	125	
Kr	83	He	23.36	49.5				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	60362.89	0.7	98.1	60	125	
Tb (IS)	159	He	342735.46	1.1	101.2	60	125	
Bi (IS)	209	He	253062.52	0.3	98.1	60	125	

DRAFT

Sample Report

File Name 213SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-09 00:33:07

Sample Name **460-307098-B-15-A**

Comment ---

Dilution **1.0000**

Vial # 2512

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	5.524	ug/l	1.6	2000	
B	11	6	No Gas	54.451	ug/l	0.2	2000	
Na	23	45	He	4511.263	ug/l	1.7	500000	
Mg	24	45	He	20924.906	ug/l	0.5	500000	
Al	27	45	He	66221.032	ug/l	1.8	500000	
K	39	45	He	8590.478	ug/l	0.7	500000	
Ca	40	45	H2	5601.122	ug/l	1.7	1000000	
Ti	47	45	No Gas	1815.154	ug/l	1.0	10000	
V	51	45	He	191.238	ug/l	0.7	5000	
Cr	52	45	He	119.181	ug/l	0.8	20000	
Mn	55	45	He	1541.660	ug/l	0.9	20000	
Fe	56	45	H2	140964.785	ug/l	1.8	500000	
Co	59	45	He	59.167	ug/l	1.1	2000	
Ni	60	45	He	83.609	ug/l	2.9	20000	
Cu	63	45	He	558.811	ug/l	1.1	20000	
Zn	66	45	He	467.118	ug/l	1.8	20000	
As	75	74	He	22.478	ug/l	1.3	5000	
Se	78	74	H2	0.769	ug/l	20.8	3000	
Sr	88	115	He	62.945	ug/l	2.9	5000	
Mo	95	115	He	5.569	ug/l	5.6	2000	
Ag	107	115	He	0.684	ug/l	13.1	1000	
Cd	111	115	He	0.939	ug/l	13.6	5000	
Sn	118	115	He	18.527	ug/l	5.2	2000	
Sb	121	115	He	2.413	ug/l	6.8	1000	
Ba	137	159	He	572.837	ug/l	2.5	20000	
Tl	205	209	He	0.678	ug/l	3.8	1000	
[Pb]	206	209	He	264.836	ug/l	0.4		
[Pb]	207	209	He	254.662	ug/l	0.9		
Pb	208	209	He	258.979	ug/l	0.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5112736.07	0.8	101.3	60	125	
Sc (ISICPMS)	45	No Gas	5137012.32	0.8	105.9	60	125	
Sc (ISICPMS)	45	H2	1328493.73	1.0	103.2	60	125	
Sc (ISICPMS)	45	He	48735.87	1.3	104.2	60	125	
Ge (IS)	74	H2	239384.76	0.9	103.5	60	125	
Ge (IS)	74	He	28502.15	0.2	104.3	60	125	
Kr	83	He	43.38	13.3				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	59918.96	0.5	97.3	60	125	
Tb (IS)	159	He	344486.42	1.0	101.7	60	125	
Bi (IS)	209	He	250429.85	0.3	97.1	60	125	

DRAFT

Sample Report

File Name 214SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-09 00:35:38

Sample Name **460-307098-B-17-A**

Comment ---

Dilution **1.0000**

Vial # 2306

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	3.156	ug/l	0.8	2000	
B	11	6	No Gas	88.855	ug/l	1.6	2000	
Na	23	45	He	4808.475	ug/l	0.0	500000	
Mg	24	45	He	20858.840	ug/l	0.6	500000	
Al	27	45	He	51515.771	ug/l	0.9	500000	
K	39	45	He	7239.259	ug/l	1.0	500000	
Ca	40	45	H2	50521.280	ug/l	0.4	1000000	
Ti	47	45	No Gas	1346.809	ug/l	1.7	10000	
V	51	45	He	182.869	ug/l	0.3	5000	
Cr	52	45	He	258.801	ug/l	0.2	20000	
Mn	55	45	He	3064.950	ug/l	0.4	20000	
Fe	56	45	H2	719462.542	ug/l	0.7	500000	>LDR 6020B□>LDR 200.8
Co	59	45	He	99.749	ug/l	0.5	2000	
Ni	60	45	He	481.656	ug/l	0.7	20000	
Cu	63	45	He	2675.860	ug/l	1.3	20000	
Zn	66	45	He	3694.650	ug/l	0.6	20000	
As	75	74	He	147.810	ug/l	2.7	5000	
Se	78	74	H2	3.871	ug/l	5.2	3000	
Sr	88	115	He	215.078	ug/l	1.4	5000	
Mo	95	115	He	25.313	ug/l	3.4	2000	
Ag	107	115	He	3.727	ug/l	2.4	1000	
Cd	111	115	He	12.059	ug/l	1.8	5000	
Sn	118	115	He	887.906	ug/l	0.8	2000	
Sb	121	115	He	57.129	ug/l	2.9	1000	
Ba	137	159	He	2350.026	ug/l	0.9	20000	
Tl	205	209	He	0.570	ug/l	5.3	1000	
[Pb]	206	209	He	9571.783	ug/l	1.4		
[Pb]	207	209	He	9518.022	ug/l	1.4		
Pb	208	209	He	9512.136	ug/l	1.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5095428.60	1.8	100.9	60	125	
Sc (ISICPMS)	45	No Gas	5024147.49	1.2	103.6	60	125	
Sc (ISICPMS)	45	H2	1309064.27	1.1	101.7	60	125	
Sc (ISICPMS)	45	He	47574.07	0.6	101.7	60	125	
Ge (IS)	74	H2	238638.10	0.7	103.2	60	125	
Ge (IS)	74	He	28739.51	0.9	105.2	60	125	
Kr	83	He	10.01	100.0				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	59612.58	1.2	96.8	60	125	
Tb (IS)	159	He	335403.62	0.9	99.0	60	125	
Bi (IS)	209	He	257434.78	0.9	99.8	60	125	

DRAFT

Sample Report

File Name 215SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-09 00:38:10

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.007	ug/l	55.4	2000	
B	11	6	No Gas	1.219	ug/l	19.7	2000	
Na	23	45	He	-27.409	ug/l	N/A	500000	
Mg	24	45	He	1.282	ug/l	62.0	500000	
Al	27	45	He	3.798	ug/l	76.6	500000	
K	39	45	He	-0.960	ug/l	N/A	500000	
Ca	40	45	H2	8.381	ug/l	8.3	1000000	
Ti	47	45	No Gas	-0.419	ug/l	N/A	10000	
V	51	45	He	-0.158	ug/l	N/A	5000	
Cr	52	45	He	-0.252	ug/l	N/A	20000	
Mn	55	45	He	-0.263	ug/l	N/A	20000	
Fe	56	45	H2	16.537	ug/l	6.4	500000	
Co	59	45	He	0.004	ug/l	965.6	2000	
Ni	60	45	He	-14.561	ug/l	N/A	20000	
Cu	63	45	He	0.367	ug/l	11.4	20000	
Zn	66	45	He	0.568	ug/l	179.8	20000	
As	75	74	He	0.171	ug/l	140.5	5000	
Se	78	74	H2	-0.035	ug/l	N/A	3000	
Sr	88	115	He	0.133	ug/l	67.3	5000	
Mo	95	115	He	-0.027	ug/l	N/A	2000	
Ag	107	115	He	0.006	ug/l	119.3	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	-0.331	ug/l	N/A	2000	
Sb	121	115	He	0.137	ug/l	46.9	1000	
Ba	137	159	He	0.195	ug/l	60.7	20000	
Tl	205	209	He	-0.059	ug/l	N/A	1000	
[Pb]	206	209	He	0.836	ug/l	7.2		
[Pb]	207	209	He	0.823	ug/l	11.5		
Pb	208	209	He	0.810	ug/l	1.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5114076.66	1.5	101.3	60	125	
Sc (ISICPMS)	45	No Gas	4884499.41	0.3	100.7	60	125	
Sc (ISICPMS)	45	H2	1260703.73	0.9	98.0	60	125	
Sc (ISICPMS)	45	He	45378.91	0.9	97.0	60	125	
Ge (IS)	74	H2	229741.63	0.7	99.4	60	125	
Ge (IS)	74	He	27485.72	2.2	100.6	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	60031.04	0.9	97.5	60	125	
Tb (IS)	159	He	329510.78	0.8	97.3	60	125	
Bi (IS)	209	He	250045.08	0.9	96.9	60	125	

DRAFT

Sample Report

File Name 216SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-09 00:40:40

Sample Name **460-307098-B-18-A**

Comment ---

Dilution **1.0000**

Vial # 2307

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	5.980	ug/l	3.9	2000	
B	11	6	No Gas	67.803	ug/l	0.9	2000	
Na	23	45	He	7504.714	ug/l	0.8	500000	
Mg	24	45	He	29990.450	ug/l	0.7	500000	
Al	27	45	He	78717.098	ug/l	0.9	500000	
K	39	45	He	11953.188	ug/l	0.2	500000	
Ca	40	45	H2	7248.716	ug/l	1.1	1000000	
Ti	47	45	No Gas	2158.501	ug/l	1.4	10000	
V	51	45	He	205.990	ug/l	1.1	5000	
Cr	52	45	He	149.460	ug/l	0.3	20000	
Mn	55	45	He	9950.647	ug/l	0.6	20000	
Fe	56	45	H2	209747.430	ug/l	1.2	500000	
Co	59	45	He	104.996	ug/l	0.7	2000	
Ni	60	45	He	163.701	ug/l	1.1	20000	
Cu	63	45	He	218.540	ug/l	0.6	20000	
Zn	66	45	He	472.605	ug/l	0.4	20000	
As	75	74	He	32.544	ug/l	3.0	5000	
Se	78	74	H2	1.286	ug/l	25.3	3000	
Sr	88	115	He	71.796	ug/l	0.9	5000	
Mo	95	115	He	7.176	ug/l	8.1	2000	
Ag	107	115	He	0.233	ug/l	20.6	1000	
Cd	111	115	He	2.515	ug/l	9.8	5000	
Sn	118	115	He	24.725	ug/l	1.6	2000	
Sb	121	115	He	1.920	ug/l	16.7	1000	
Ba	137	159	He	406.132	ug/l	0.5	20000	
Tl	205	209	He	1.003	ug/l	8.1	1000	
[Pb]	206	209	He	187.212	ug/l	1.2		
[Pb]	207	209	He	181.468	ug/l	0.3		
Pb	208	209	He	184.365	ug/l	0.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5183656.69	1.1	102.7	60	125	
Sc (ISICPMS)	45	No Gas	5121579.12	1.1	105.6	60	125	
Sc (ISICPMS)	45	H2	1336576.76	1.0	103.8	60	125	
Sc (ISICPMS)	45	He	48372.36	0.8	103.4	60	125	
Ge (IS)	74	H2	239261.93	1.0	103.5	60	125	
Ge (IS)	74	He	29060.63	1.8	106.4	60	125	
Kr	83	He	30.03	33.3				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	60098.28	1.2	97.6	60	125	
Tb (IS)	159	He	342318.90	0.8	101.1	60	125	
Bi (IS)	209	He	249467.15	0.4	96.7	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 217_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-09 00:43:11

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	99.205	ug/l	1.5	100	90	110	
B	11	6	No Gas	241.778	ug/l	2.0	250	225	275	
Na	23	45	He	25612.789	ug/l	0.7	25000	22500	27500	
Mg	24	45	He	25398.943	ug/l	0.5	25000	22500	27500	
Al	27	45	He	25114.072	ug/l	1.1	25000	22500	27500	
K	39	45	He	25590.282	ug/l	0.3	25000	22500	27500	
Ca	40	45	H2	25439.600	ug/l	0.6	25000	22500	27500	
Ti	47	45	No Gas	98.868	ug/l	1.0	100	90	110	
V	51	45	He	102.045	ug/l	1.6	100	90	110	
Cr	52	45	He	101.653	ug/l	1.5	100	90	110	
Mn	55	45	He	101.383	ug/l	2.3	100	90	110	
Fe	56	45	H2	25553.146	ug/l	0.8	25000	22500	27500	
Co	59	45	He	101.837	ug/l	0.5	100	90	110	
Ni	60	45	He	86.857	ug/l	0.5	100	90	110	failed
Cu	63	45	He	103.601	ug/l	1.6	100	90	110	
Zn	66	45	He	255.673	ug/l	2.5	250	225	275	
As	75	74	He	103.778	ug/l	0.7	100	90	110	
Se	78	74	H2	96.141	ug/l	0.3	100	90	110	
Sr	88	115	He	101.993	ug/l	3.5	100	90	110	
Mo	95	115	He	100.194	ug/l	0.5	100	90	110	
Ag	107	115	He	49.463	ug/l	1.0	50	45	55	
Cd	111	115	He	98.842	ug/l	0.0	100	90	110	
Sn	118	115	He	102.617	ug/l	2.2	100	90	110	
Sb	121	115	He	100.920	ug/l	1.2	100	90	110	
Ba	137	159	He	103.336	ug/l	5.4	100	90	110	
Tl	205	209	He	101.985	ug/l	0.1	100	90	110	
[Pb]	206	209	He	103.722	ug/l	0.5				
[Pb]	207	209	He	102.015	ug/l	1.4				
Pb	208	209	He	102.582	ug/l	0.3	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5124613.50	0.2	101.5	60	125	
Sc (ISICPMS)	45	No Gas	4956016.11	1.1	102.2	60	125	
Sc (ISICPMS)	45	H2	1273514.85	0.8	98.9	60	125	
Sc (ISICPMS)	45	He	46574.10	0.5	99.6	60	125	
Ge (IS)	74	H2	236254.69	1.1	102.2	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	28237.92	1.4	103.4	60	125	
Kr	83	He	3.34	173.2				
In-1	115	He	60969.19	0.7	99.0	60	125	
Tb (IS)	159	He	333174.32	1.2	98.4	60	125	
Bi (IS)	209	He	246743.69	0.6	95.6	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 218_Blk.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-09 00:45:41

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.010	ug/l	25.2	0.8	-0.8	0.8	
B	11	6	No Gas	2.122	ug/l	4.2	40	-40	40	
Na	23	45	He	-3.023	ug/l	N/A	500	-500	500	
Mg	24	45	He	1.016	ug/l	81.5	200	-200	200	
Al	27	45	He	5.496	ug/l	10.6	40	-40	40	
K	39	45	He	7.548	ug/l	162.2	200	-200	200	
Ca	40	45	H2	10.641	ug/l	2.5	500	-500	500	
Ti	47	45	No Gas	-0.177	ug/l	N/A	4	-4	4	
V	51	45	He	-0.082	ug/l	N/A	4	-4	4	
Cr	52	45	He	0.065	ug/l	157.1	4	-4	4	
Mn	55	45	He	0.014	ug/l	982.0	8	-8	8	
Fe	56	45	H2	-1.399	ug/l	N/A	60	-60	60	
Co	59	45	He	0.025	ug/l	173.1	4	-4	4	
Ni	60	45	He	-14.311	ug/l	N/A	4	-4	4	> water RL
Cu	63	45	He	0.230	ug/l	53.4	4	-4	4	
Zn	66	45	He	0.845	ug/l	78.7	16	-16	16	
As	75	74	He	0.095	ug/l	183.9	2	-2	2	
Se	78	74	H2	0.035	ug/l	231.6	2.5	-2.5	2.5	
Sr	88	115	He	0.014	ug/l	540.0	4	-4	4	
Mo	95	115	He	0.050	ug/l	91.9	4	-4	4	
Ag	107	115	He	-0.001	ug/l	N/A	2	-2	2	
Cd	111	115	He	0.023	ug/l	86.6	2	-2	2	
Sn	118	115	He	-0.653	ug/l	N/A	16	-16	16	
Sb	121	115	He	0.120	ug/l	53.0	2	-2	2	
Ba	137	159	He	0.098	ug/l	204.3	4	-4	4	
Tl	205	209	He	-0.021	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.471	ug/l	10.8				
[Pb]	207	209	He	0.480	ug/l	4.3				
Pb	208	209	He	0.492	ug/l	8.0	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5063809.51	1.3	100.3	60	125	
Sc (ISICPMS)	45	No Gas	4844344.06	1.0	99.9	60	125	
Sc (ISICPMS)	45	H2	1268542.41	0.9	98.6	60	125	
Sc (ISICPMS)	45	He	45938.65	0.6	98.2	60	125	
Ge (IS)	74	H2	231852.31	0.3	100.3	60	125	
Ge (IS)	74	He	27963.82	1.0	102.3	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	59952.82	1.1	97.4	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	328979.20	0.5	97.1	60	125	
Bi (IS)	209	He	250021.41	0.3	96.9	60	125	

DRAFT

Sample Report

File Name 219SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-09 00:48:12

Sample Name **MB 460-984009/1-A**

Comment ---

Dilution **1.0000**

Vial # 3101

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.014	ug/l	81.4	2000	
B	11	6	No Gas	1.003	ug/l	26.4	2000	
Na	23	45	He	29.919	ug/l	14.1	500000	
Mg	24	45	He	9.392	ug/l	11.5	500000	
Al	27	45	He	12.282	ug/l	29.6	500000	
K	39	45	He	6.900	ug/l	175.7	500000	
Ca	40	45	H2	30.283	ug/l	1.0	1000000	
Ti	47	45	No Gas	0.519	ug/l	33.9	10000	
V	51	45	He	0.049	ug/l	155.4	5000	
Cr	52	45	He	1.440	ug/l	7.7	20000	
Mn	55	45	He	0.171	ug/l	109.8	20000	
Fe	56	45	H2	11.671	ug/l	2.7	500000	
Co	59	45	He	0.019	ug/l	122.3	2000	
Ni	60	45	He	-14.155	ug/l	N/A	20000	
Cu	63	45	He	0.561	ug/l	16.1	20000	
Zn	66	45	He	1.916	ug/l	30.5	20000	
As	75	74	He	-0.006	ug/l	N/A	5000	
Se	78	74	H2	0.051	ug/l	105.5	3000	
Sr	88	115	He	0.094	ug/l	67.5	5000	
Mo	95	115	He	0.054	ug/l	53.1	2000	
Ag	107	115	He	0.001	ug/l	592.5	1000	
Cd	111	115	He	0.035	ug/l	100.5	5000	
Sn	118	115	He	10.516	ug/l	9.1	2000	
Sb	121	115	He	0.268	ug/l	37.5	1000	
Ba	137	159	He	0.254	ug/l	26.3	20000	
Tl	205	209	He	-0.049	ug/l	N/A	1000	
[Pb]	206	209	He	0.739	ug/l	2.4		
[Pb]	207	209	He	0.823	ug/l	5.7		
Pb	208	209	He	0.779	ug/l	4.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	4975049.03	0.3	98.5	60	125	
Sc (ISICPMS)	45	No Gas	4848054.16	1.4	100.0	60	125	
Sc (ISICPMS)	45	H2	1251967.21	0.4	97.3	60	125	
Sc (ISICPMS)	45	He	45642.00	0.1	97.6	60	125	
Ge (IS)	74	H2	235337.98	1.0	101.8	60	125	
Ge (IS)	74	He	27977.14	1.0	102.4	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	59811.91	0.8	97.2	60	125	
Tb (IS)	159	He	328761.38	1.1	97.1	60	125	
Bi (IS)	209	He	247573.66	0.4	95.9	60	125	

DRAFT

Sample Report

File Name 220SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-09 00:50:43

Sample Name **LCSSRM 460-984009/2-A@3**

Comment ---

Dilution **1.0000**

Vial # 3102

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	538.480	ug/l	2.1	2000	
B	11	6	No Gas	760.923	ug/l	0.9	2000	
Na	23	45	He	1605.461	ug/l	1.6	500000	
Mg	24	45	He	5501.274	ug/l	0.4	500000	
Al	27	45	He	20166.824	ug/l	1.1	500000	
K	39	45	He	4227.603	ug/l	1.0	500000	
Ca	40	45	H2	16772.866	ug/l	0.7	1000000	
Ti	47	45	No Gas	1020.197	ug/l	0.4	10000	
V	51	45	He	343.191	ug/l	1.3	5000	
Cr	52	45	He	593.008	ug/l	1.7	20000	
Mn	55	45	He	1719.104	ug/l	0.9	20000	
Fe	56	45	H2	21011.931	ug/l	1.0	500000	
Co	59	45	He	272.621	ug/l	1.0	2000	
Ni	60	45	He	1023.797	ug/l	1.0	20000	
Cu	63	45	He	682.357	ug/l	1.4	20000	
Zn	66	45	He	536.752	ug/l	2.7	20000	
As	75	74	He	1049.926	ug/l	2.7	5000	
Se	78	74	H2	539.893	ug/l	0.7	3000	
Sr	88	115	He	450.760	ug/l	0.3	5000	
Mo	95	115	He	444.796	ug/l	0.7	2000	
Ag	107	115	He	265.082	ug/l	0.3	1000	
Cd	111	115	He	694.810	ug/l	0.8	5000	
Sn	118	115	He	255.759	ug/l	1.0	2000	
Sb	121	115	He	242.985	ug/l	1.4	1000	
Ba	137	159	He	994.164	ug/l	0.9	20000	
Tl	205	209	He	777.500	ug/l	0.2	1000	
[Pb]	206	209	He	326.917	ug/l	0.5		
[Pb]	207	209	He	309.473	ug/l	0.8		
Pb	208	209	He	316.622	ug/l	0.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5261110.55	0.7	104.2	60	125	
Sc (ISICPMS)	45	No Gas	4927270.06	0.6	101.6	60	125	
Sc (ISICPMS)	45	H2	1295145.10	0.4	100.6	60	125	
Sc (ISICPMS)	45	He	46880.69	1.2	100.2	60	125	
Ge (IS)	74	H2	244406.05	0.3	105.7	60	125	
Ge (IS)	74	He	28559.05	2.6	104.5	60	125	
Kr	83	He	6.67	86.6				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	60902.31	0.6	98.9	60	125	
Tb (IS)	159	He	337957.17	0.6	99.8	60	125	
Bi (IS)	209	He	251412.11	0.6	97.4	60	125	

DRAFT

Sample Report

File Name 221SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-09 00:54:15

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.036	ug/l	13.5	2000	
B	11	6	No Gas	4.999	ug/l	9.6	2000	
Na	23	45	He	-24.781	ug/l	N/A	500000	
Mg	24	45	He	0.736	ug/l	20.3	500000	
Al	27	45	He	2.567	ug/l	95.1	500000	
K	39	45	He	-2.676	ug/l	N/A	500000	
Ca	40	45	H2	3.385	ug/l	12.8	1000000	
Ti	47	45	No Gas	-0.409	ug/l	N/A	10000	
V	51	45	He	-0.140	ug/l	N/A	5000	
Cr	52	45	He	-0.295	ug/l	N/A	20000	
Mn	55	45	He	-0.030	ug/l	N/A	20000	
Fe	56	45	H2	-7.944	ug/l	N/A	500000	
Co	59	45	He	0.037	ug/l	76.4	2000	
Ni	60	45	He	-14.739	ug/l	N/A	20000	
Cu	63	45	He	0.069	ug/l	26.4	20000	
Zn	66	45	He	-0.030	ug/l	N/A	20000	
As	75	74	He	0.035	ug/l	171.1	5000	
Se	78	74	H2	0.071	ug/l	40.6	3000	
Sr	88	115	He	0.119	ug/l	15.9	5000	
Mo	95	115	He	0.013	ug/l	300.1	2000	
Ag	107	115	He	0.004	ug/l	128.1	1000	
Cd	111	115	He	0.022	ug/l	173.2	5000	
Sn	118	115	He	-0.394	ug/l	N/A	2000	
Sb	121	115	He	0.483	ug/l	22.2	1000	
Ba	137	159	He	0.019	ug/l	643.1	20000	
Tl	205	209	He	0.049	ug/l	13.1	1000	
[Pb]	206	209	He	0.385	ug/l	24.0		
[Pb]	207	209	He	0.393	ug/l	14.9		
Pb	208	209	He	0.375	ug/l	10.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5132988.88	0.4	101.7	60	125	
Sc (ISICPMS)	45	No Gas	4929416.63	0.9	101.6	60	125	
Sc (ISICPMS)	45	H2	1272398.68	0.9	98.9	60	125	
Sc (ISICPMS)	45	He	46682.19	1.0	99.8	60	125	
Ge (IS)	74	H2	230395.99	1.2	99.6	60	125	
Ge (IS)	74	He	27134.62	0.2	99.3	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	61243.25	0.8	99.5	60	125	
Tb (IS)	159	He	333182.88	1.0	98.4	60	125	
Bi (IS)	209	He	251880.46	1.5	97.6	60	125	

DRAFT

Sample Report

File Name 222SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-09 00:56:45

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.021	ug/l	39.4	2000	
B	11	6	No Gas	2.449	ug/l	6.1	2000	
Na	23	45	He	-30.542	ug/l	N/A	500000	
Mg	24	45	He	0.485	ug/l	227.7	500000	
Al	27	45	He	1.281	ug/l	47.6	500000	
K	39	45	He	5.069	ug/l	219.8	500000	
Ca	40	45	H2	2.238	ug/l	5.1	1000000	
Ti	47	45	No Gas	-0.478	ug/l	N/A	10000	
V	51	45	He	-0.052	ug/l	N/A	5000	
Cr	52	45	He	0.009	ug/l	1471.3	20000	
Mn	55	45	He	-0.314	ug/l	N/A	20000	
Fe	56	45	H2	-8.924	ug/l	N/A	500000	
Co	59	45	He	0.004	ug/l	409.4	2000	
Ni	60	45	He	-14.692	ug/l	N/A	20000	
Cu	63	45	He	0.053	ug/l	128.1	20000	
Zn	66	45	He	0.367	ug/l	119.7	20000	
As	75	74	He	-0.037	ug/l	N/A	5000	
Se	78	74	H2	0.055	ug/l	100.1	3000	
Sr	88	115	He	-0.008	ug/l	N/A	5000	
Mo	95	115	He	-0.012	ug/l	N/A	2000	
Ag	107	115	He	0.000	ug/l	2284.7	1000	
Cd	111	115	He	0.011	ug/l	173.2	5000	
Sn	118	115	He	-0.197	ug/l	N/A	2000	
Sb	121	115	He	0.256	ug/l	16.8	1000	
Ba	137	159	He	0.021	ug/l	703.7	20000	
Tl	205	209	He	-0.013	ug/l	N/A	1000	
[Pb]	206	209	He	0.361	ug/l	9.8		
[Pb]	207	209	He	0.396	ug/l	17.4		
Pb	208	209	He	0.366	ug/l	4.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5191362.67	0.7	102.8	60	125	
Sc (ISICPMS)	45	No Gas	4949815.48	0.9	102.1	60	125	
Sc (ISICPMS)	45	H2	1267739.52	1.1	98.5	60	125	
Sc (ISICPMS)	45	He	46753.41	1.1	100.0	60	125	
Ge (IS)	74	H2	229287.58	1.0	99.2	60	125	
Ge (IS)	74	He	27733.09	1.0	101.5	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	61168.04	0.3	99.4	60	125	
Tb (IS)	159	He	329502.23	0.6	97.3	60	125	
Bi (IS)	209	He	250430.92	0.6	97.1	60	125	

DRAFT

Sample Report

File Name 223SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-09 00:59:16

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.011	ug/l	97.1	2000	
B	11	6	No Gas	1.317	ug/l	11.1	2000	
Na	23	45	He	-38.966	ug/l	N/A	500000	
Mg	24	45	He	0.644	ug/l	141.1	500000	
Al	27	45	He	0.648	ug/l	203.3	500000	
K	39	45	He	2.017	ug/l	558.2	500000	
Ca	40	45	H2	1.777	ug/l	44.5	1000000	
Ti	47	45	No Gas	-0.497	ug/l	N/A	10000	
V	51	45	He	-0.213	ug/l	N/A	5000	
Cr	52	45	He	-0.317	ug/l	N/A	20000	
Mn	55	45	He	-0.085	ug/l	N/A	20000	
Fe	56	45	H2	-10.045	ug/l	N/A	500000	
Co	59	45	He	-0.013	ug/l	N/A	2000	
Ni	60	45	He	-14.997	ug/l	N/A	20000	
Cu	63	45	He	0.049	ug/l	154.4	20000	
Zn	66	45	He	0.252	ug/l	228.3	20000	
As	75	74	He	-0.069	ug/l	N/A	5000	
Se	78	74	H2	-0.036	ug/l	N/A	3000	
Sr	88	115	He	0.041	ug/l	343.7	5000	
Mo	95	115	He	0.013	ug/l	196.5	2000	
Ag	107	115	He	-0.002	ug/l	N/A	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	-0.348	ug/l	N/A	2000	
Sb	121	115	He	0.211	ug/l	20.2	1000	
Ba	137	159	He	0.078	ug/l	157.5	20000	
Tl	205	209	He	-0.041	ug/l	N/A	1000	
[Pb]	206	209	He	0.258	ug/l	11.5		
[Pb]	207	209	He	0.307	ug/l	25.2		
Pb	208	209	He	0.291	ug/l	6.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5184101.21	1.0	102.7	60	125	
Sc (ISICPMS)	45	No Gas	5000104.26	0.4	103.1	60	125	
Sc (ISICPMS)	45	H2	1288183.51	0.9	100.1	60	125	
Sc (ISICPMS)	45	He	47265.17	0.5	101.1	60	125	
Ge (IS)	74	H2	233373.62	1.0	100.9	60	125	
Ge (IS)	74	He	27194.74	0.3	99.5	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	61166.95	0.5	99.4	60	125	
Tb (IS)	159	He	331220.75	0.8	97.8	60	125	
Bi (IS)	209	He	250727.88	0.4	97.2	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 224_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-09 01:02:17

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	99.872	ug/l	1.8	100	90	110	
B	11	6	No Gas	243.569	ug/l	1.1	250	225	275	
Na	23	45	He	26094.081	ug/l	0.8	25000	22500	27500	
Mg	24	45	He	25824.651	ug/l	0.5	25000	22500	27500	
Al	27	45	He	26010.911	ug/l	1.0	25000	22500	27500	
K	39	45	He	26324.378	ug/l	0.3	25000	22500	27500	
Ca	40	45	H2	25128.624	ug/l	2.1	25000	22500	27500	
Ti	47	45	No Gas	100.317	ug/l	1.1	100	90	110	
V	51	45	He	103.523	ug/l	1.6	100	90	110	
Cr	52	45	He	105.380	ug/l	0.5	100	90	110	
Mn	55	45	He	102.920	ug/l	1.2	100	90	110	
Fe	56	45	H2	25253.870	ug/l	1.5	25000	22500	27500	
Co	59	45	He	102.696	ug/l	0.8	100	90	110	
Ni	60	45	He	87.540	ug/l	3.2	100	90	110	failed
Cu	63	45	He	104.957	ug/l	0.4	100	90	110	
Zn	66	45	He	258.311	ug/l	0.3	250	225	275	
As	75	74	He	103.592	ug/l	1.3	100	90	110	
Se	78	74	H2	99.722	ug/l	4.7	100	90	110	
Sr	88	115	He	103.801	ug/l	2.0	100	90	110	
Mo	95	115	He	102.464	ug/l	0.6	100	90	110	
Ag	107	115	He	49.672	ug/l	0.2	50	45	55	
Cd	111	115	He	101.827	ug/l	1.8	100	90	110	
Sn	118	115	He	103.276	ug/l	1.5	100	90	110	
Sb	121	115	He	102.293	ug/l	0.6	100	90	110	
Ba	137	159	He	105.400	ug/l	2.7	100	90	110	
Tl	205	209	He	100.765	ug/l	0.9	100	90	110	
[Pb]	206	209	He	102.934	ug/l	1.6				
[Pb]	207	209	He	102.014	ug/l	1.1				
Pb	208	209	He	102.512	ug/l	1.7	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5160487.21	1.3	102.2	60	125	
Sc (ISICPMS)	45	No Gas	4938442.43	0.6	101.8	60	125	
Sc (ISICPMS)	45	H2	1287763.02	1.3	100.1	60	125	
Sc (ISICPMS)	45	He	46233.94	0.3	98.9	60	125	
Ge (IS)	74	H2	236389.86	0.5	102.2	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	27897.07	1.8	102.1	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	60741.84	0.5	98.7	60	125	
Tb (IS)	159	He	331762.63	0.6	98.0	60	125	
Bi (IS)	209	He	246706.28	1.1	95.6	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 225_Blk.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-09 01:04:47

Sample Name **CCB**

Comment ---

Dilution 1.0000

Analyte Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.019	ug/l	37.4	0.8	-0.8	0.8	
B	11	6	No Gas	2.268	ug/l	5.7	40	-40	40	
Na	23	45	He	-11.999	ug/l	N/A	500	-500	500	
Mg	24	45	He	1.604	ug/l	48.0	200	-200	200	
Al	27	45	He	0.516	ug/l	418.4	40	-40	40	
K	39	45	He	11.502	ug/l	125.2	200	-200	200	
Ca	40	45	H2	7.197	ug/l	4.2	500	-500	500	
Ti	47	45	No Gas	-0.154	ug/l	N/A	4	-4	4	
V	51	45	He	-0.031	ug/l	N/A	4	-4	4	
Cr	52	45	He	0.098	ug/l	315.8	4	-4	4	
Mn	55	45	He	-0.239	ug/l	N/A	8	-8	8	
Fe	56	45	H2	-7.132	ug/l	N/A	60	-60	60	
Co	59	45	He	0.023	ug/l	57.6	4	-4	4	
Ni	60	45	He	-14.720	ug/l	N/A	4	-4	4	> water RL
Cu	63	45	He	-0.006	ug/l	N/A	4	-4	4	
Zn	66	45	He	0.295	ug/l	155.6	16	-16	16	
As	75	74	He	0.094	ug/l	1.4	2	-2	2	
Se	78	74	H2	-0.019	ug/l	N/A	2.5	-2.5	2.5	
Sr	88	115	He	0.190	ug/l	16.3	4	-4	4	
Mo	95	115	He	0.044	ug/l	147.1	4	-4	4	
Ag	107	115	He	-0.001	ug/l	N/A	2	-2	2	
Cd	111	115	He	0.023	ug/l	86.6	2	-2	2	
Sn	118	115	He	-0.945	ug/l	N/A	16	-16	16	
Sb	121	115	He	0.080	ug/l	64.4	2	-2	2	
Ba	137	159	He	0.021	ug/l	161.8	4	-4	4	
Tl	205	209	He	-0.003	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.385	ug/l	11.6				
[Pb]	207	209	He	0.300	ug/l	7.7				
Pb	208	209	He	0.317	ug/l	2.0	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5167794.54	1.2	102.4	60	125	
Sc (ISICPMS)	45	No Gas	4914671.00	1.2	101.3	60	125	
Sc (ISICPMS)	45	H2	1278173.59	0.9	99.3	60	125	
Sc (ISICPMS)	45	He	46979.87	0.2	100.5	60	125	
Ge (IS)	74	H2	235169.53	1.0	101.7	60	125	
Ge (IS)	74	He	27997.24	0.4	102.5	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	60550.76	1.0	98.4	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	328866.25	0.3	97.1	60	125	
Bi (IS)	209	He	249460.56	0.4	96.7	60	125	

DRAFT

Sample Report

File Name 226SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-09 01:07:18

Sample Name **PDS 460-307025-A-1-F@4**

Comment ---

Dilution **1.0000**

Vial # 3302

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	24.467	ug/l	3.0	2000	
B	11	6	No Gas	490.394	ug/l	1.9	2000	
Na	23	45	He	3623.764	ug/l	1.8	500000	
Mg	24	45	He	18435.080	ug/l	1.7	500000	
Al	27	45	He	24072.933	ug/l	1.8	500000	
K	39	45	He	5154.296	ug/l	1.6	500000	
Ca	40	45	H2	64915.113	ug/l	1.2	1000000	
Ti	47	45	No Gas	1301.270	ug/l	2.2	10000	
V	51	45	He	452.880	ug/l	0.7	5000	
Cr	52	45	He	7061.364	ug/l	1.0	20000	
Mn	55	45	He	740.938	ug/l	1.4	20000	
Fe	56	45	H2	57599.450	ug/l	1.0	500000	
Co	59	45	He	84.310	ug/l	1.4	2000	
Ni	60	45	He	228.210	ug/l	1.9	20000	
Cu	63	45	He	117.753	ug/l	0.8	20000	
Zn	66	45	He	551.356	ug/l	1.9	20000	
As	75	74	He	56.878	ug/l	2.5	5000	
Se	78	74	H2	49.110	ug/l	3.9	3000	
Sr	88	115	He	116.009	ug/l	1.9	5000	
Mo	95	115	He	55.361	ug/l	3.2	2000	
Ag	107	115	He	22.667	ug/l	2.6	1000	
Cd	111	115	He	24.599	ug/l	6.8	5000	
Sn	118	115	He	60.861	ug/l	2.2	2000	
Sb	121	115	He	24.870	ug/l	0.5	1000	
Ba	137	159	He	145.976	ug/l	4.2	20000	
Tl	205	209	He	19.992	ug/l	0.5	1000	
[Pb]	206	209	He	137.443	ug/l	0.4		
[Pb]	207	209	He	130.233	ug/l	0.9		
Pb	208	209	He	133.693	ug/l	0.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5102562.80	1.6	101.1	60	125	
Sc (ISICPMS)	45	No Gas	4934188.29	1.5	101.7	60	125	
Sc (ISICPMS)	45	H2	1302517.06	0.6	101.2	60	125	
Sc (ISICPMS)	45	He	47290.99	1.2	101.1	60	125	
Ge (IS)	74	H2	240748.74	0.1	104.1	60	125	
Ge (IS)	74	He	28341.47	0.7	103.7	60	125	
Kr	83	He	3.34	173.2				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	61588.29	1.2	100.0	60	125	
Tb (IS)	159	He	333780.15	0.4	98.5	60	125	
Bi (IS)	209	He	247398.01	0.6	95.9	60	125	

DRAFT

Sample Report

File Name 227SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-09 01:09:49

Sample Name **460-307025-A-1-H MS@4**

Comment ---

Dilution **1.0000**

Vial # 3303

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	10.756	ug/l	3.7	2000	
B	11	6	No Gas	233.644	ug/l	2.5	2000	
Na	23	45	He	2440.108	ug/l	1.0	500000	
Mg	24	45	He	19952.245	ug/l	0.6	500000	
Al	27	45	He	26625.571	ug/l	1.9	500000	
K	39	45	He	3258.779	ug/l	1.4	500000	
Ca	40	45	H2	82850.834	ug/l	0.4	1000000	
Ti	47	45	No Gas	1431.197	ug/l	1.6	10000	
V	51	45	He	520.207	ug/l	1.1	5000	
Cr	52	45	He	10031.794	ug/l	1.6	20000	
Mn	55	45	He	662.953	ug/l	1.0	20000	
Fe	56	45	H2	64997.781	ug/l	1.1	500000	
Co	59	45	He	82.607	ug/l	0.7	2000	
Ni	60	45	He	248.034	ug/l	1.5	20000	
Cu	63	45	He	211.749	ug/l	1.1	20000	
Zn	66	45	He	451.798	ug/l	0.7	20000	
As	75	74	He	23.841	ug/l	11.2	5000	
Se	78	74	H2	20.763	ug/l	3.4	3000	
Sr	88	115	He	97.025	ug/l	1.0	5000	
Mo	95	115	He	28.038	ug/l	1.7	2000	
Ag	107	115	He	10.260	ug/l	1.0	1000	
Cd	111	115	He	10.296	ug/l	9.9	5000	
Sn	118	115	He	34.039	ug/l	4.1	2000	
Sb	121	115	He	9.347	ug/l	4.0	1000	
Ba	137	159	He	117.180	ug/l	1.7	20000	
Tl	205	209	He	8.447	ug/l	2.3	1000	
[Pb]	206	209	He	121.453	ug/l	1.2		
[Pb]	207	209	He	114.542	ug/l	1.4		
Pb	208	209	He	117.457	ug/l	0.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5099355.58	1.4	101.0	60	125	
Sc (ISICPMS)	45	No Gas	4968144.79	0.9	102.4	60	125	
Sc (ISICPMS)	45	H2	1298637.64	0.6	100.9	60	125	
Sc (ISICPMS)	45	He	47133.67	0.9	100.8	60	125	
Ge (IS)	74	H2	242612.54	1.7	104.9	60	125	
Ge (IS)	74	He	29481.88	1.9	107.9	60	125	
Kr	83	He	13.35	43.3				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	61499.24	0.2	99.9	60	125	
Tb (IS)	159	He	335379.47	0.6	99.0	60	125	
Bi (IS)	209	He	248789.26	0.0	96.4	60	125	

DRAFT

Sample Report

File Name 228SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-09 01:12:20

Sample Name **460-307025-A-1-G DU@4**

Comment ---

Dilution **1.0000**

Vial # 3304

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.396	ug/l	9.2	2000	
B	11	6	No Gas	20.512	ug/l	1.2	2000	
Na	23	45	He	1144.039	ug/l	2.3	500000	
Mg	24	45	He	14747.744	ug/l	1.3	500000	
Al	27	45	He	20103.895	ug/l	1.7	500000	
K	39	45	He	2235.661	ug/l	2.7	500000	
Ca	40	45	H2	58831.536	ug/l	0.7	1000000	
Ti	47	45	No Gas	1158.562	ug/l	0.2	10000	
V	51	45	He	388.944	ug/l	0.7	5000	
Cr	52	45	He	6639.668	ug/l	1.7	20000	
Mn	55	45	He	438.787	ug/l	2.0	20000	
Fe	56	45	H2	48769.073	ug/l	0.5	500000	
Co	59	45	He	55.928	ug/l	1.4	2000	
Ni	60	45	He	168.492	ug/l	0.1	20000	
Cu	63	45	He	49.844	ug/l	0.7	20000	
Zn	66	45	He	280.273	ug/l	0.8	20000	
As	75	74	He	4.421	ug/l	7.9	5000	
Se	78	74	H2	0.607	ug/l	16.8	3000	
Sr	88	115	He	63.876	ug/l	2.4	5000	
Mo	95	115	He	7.050	ug/l	3.5	2000	
Ag	107	115	He	0.156	ug/l	18.1	1000	
Cd	111	115	He	0.157	ug/l	24.3	5000	
Sn	118	115	He	10.019	ug/l	9.6	2000	
Sb	121	115	He	0.468	ug/l	7.8	1000	
Ba	137	159	He	88.838	ug/l	2.7	20000	
Tl	205	209	He	0.111	ug/l	19.5	1000	
[Pb]	206	209	He	98.620	ug/l	0.6		
[Pb]	207	209	He	92.392	ug/l	0.6		
Pb	208	209	He	95.295	ug/l	0.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5123425.44	1.0	101.5	60	125	
Sc (ISICPMS)	45	No Gas	4944848.40	0.9	101.9	60	125	
Sc (ISICPMS)	45	H2	1300735.15	0.6	101.1	60	125	
Sc (ISICPMS)	45	He	47958.83	1.5	102.6	60	125	
Ge (IS)	74	H2	241943.15	1.2	104.6	60	125	
Ge (IS)	74	He	28405.17	2.1	104.0	60	125	
Kr	83	He	3.34	173.2				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	61110.83	0.6	99.3	60	125	
Tb (IS)	159	He	335232.59	0.2	99.0	60	125	
Bi (IS)	209	He	249989.11	0.9	96.9	60	125	

DRAFT

Sample Report

File Name 229SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-09 01:14:52

Sample Name **460-307025-A-1-F@4**

Comment ---

Dilution **1.0000**

Vial # 3305

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.512	ug/l	4.9	2000	
B	11	6	No Gas	16.635	ug/l	3.7	2000	
Na	23	45	He	1190.148	ug/l	2.2	500000	
Mg	24	45	He	16212.432	ug/l	1.8	500000	
Al	27	45	He	22063.910	ug/l	1.9	500000	
K	39	45	He	2660.494	ug/l	1.8	500000	
Ca	40	45	H2	63820.128	ug/l	1.2	1000000	
Ti	47	45	No Gas	1263.679	ug/l	0.5	10000	
V	51	45	He	407.144	ug/l	1.4	5000	
Cr	52	45	He	7120.689	ug/l	1.6	20000	
Mn	55	45	He	508.977	ug/l	1.8	20000	
Fe	56	45	H2	56660.613	ug/l	1.3	500000	
Co	59	45	He	60.408	ug/l	2.3	2000	
Ni	60	45	He	183.202	ug/l	1.8	20000	
Cu	63	45	He	70.200	ug/l	2.0	20000	
Zn	66	45	He	329.374	ug/l	2.3	20000	
As	75	74	He	4.262	ug/l	18.5	5000	
Se	78	74	H2	4.857	ug/l	154.0	3000	
Sr	88	115	He	68.330	ug/l	2.0	5000	
Mo	95	115	He	7.141	ug/l	2.9	2000	
Ag	107	115	He	0.174	ug/l	14.0	1000	
Cd	111	115	He	0.178	ug/l	28.6	5000	
Sn	118	115	He	10.387	ug/l	0.9	2000	
Sb	121	115	He	0.524	ug/l	31.0	1000	
Ba	137	159	He	95.346	ug/l	1.0	20000	
Tl	205	209	He	0.124	ug/l	6.2	1000	
[Pb]	206	209	He	113.137	ug/l	1.3		
[Pb]	207	209	He	107.303	ug/l	1.1		
Pb	208	209	He	109.025	ug/l	0.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5119787.60	2.2	101.4	60	125	
Sc (ISICPMS)	45	No Gas	5003623.82	0.4	103.2	60	125	
Sc (ISICPMS)	45	H2	1293239.00	0.9	100.5	60	125	
Sc (ISICPMS)	45	He	47112.54	1.4	100.7	60	125	
Ge (IS)	74	H2	239555.77	0.6	103.6	60	125	
Ge (IS)	74	He	28652.57	1.6	104.9	60	125	
Kr	83	He	3.34	173.2				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	61763.26	0.9	100.3	60	125	
Tb (IS)	159	He	334671.55	0.4	98.8	60	125	
Bi (IS)	209	He	248563.55	0.4	96.3	60	125	

DRAFT

Sample Report

File Name 230SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-09 01:17:22

Sample Name **SD 460-307025-A-1-F@20**

Comment ---

Dilution **1.0000**

Vial # 3306

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.111	ug/l	5.1	2000	
B	11	6	No Gas	4.847	ug/l	7.7	2000	
Na	23	45	He	254.332	ug/l	3.9	500000	
Mg	24	45	He	3316.506	ug/l	0.8	500000	
Al	27	45	He	4508.598	ug/l	0.4	500000	
K	39	45	He	545.937	ug/l	4.0	500000	
Ca	40	45	H2	13364.525	ug/l	0.9	1000000	
Ti	47	45	No Gas	265.268	ug/l	4.3	10000	
V	51	45	He	83.501	ug/l	0.5	5000	
Cr	52	45	He	1421.181	ug/l	1.0	20000	
Mn	55	45	He	102.849	ug/l	0.5	20000	
Fe	56	45	H2	11882.422	ug/l	0.8	500000	
Co	59	45	He	12.561	ug/l	2.0	2000	
Ni	60	45	He	25.401	ug/l	0.6	20000	
Cu	63	45	He	14.391	ug/l	1.9	20000	
Zn	66	45	He	68.830	ug/l	0.5	20000	
As	75	74	He	1.031	ug/l	10.1	5000	
Se	78	74	H2	0.345	ug/l	84.5	3000	
Sr	88	115	He	13.650	ug/l	3.3	5000	
Mo	95	115	He	1.604	ug/l	6.4	2000	
Ag	107	115	He	0.037	ug/l	12.0	1000	
Cd	111	115	He	0.080	ug/l	50.0	5000	
Sn	118	115	He	1.336	ug/l	11.4	2000	
Sb	121	115	He	0.130	ug/l	55.1	1000	
Ba	137	159	He	19.615	ug/l	7.4	20000	
Tl	205	209	He	-0.013	ug/l	N/A	1000	
[Pb]	206	209	He	23.976	ug/l	0.4		
[Pb]	207	209	He	21.905	ug/l	0.4		
Pb	208	209	He	22.793	ug/l	0.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5050232.08	0.5	100.0	60	125	
Sc (ISICPMS)	45	No Gas	4951340.83	0.6	102.1	60	125	
Sc (ISICPMS)	45	H2	1279180.96	0.4	99.4	60	125	
Sc (ISICPMS)	45	He	47105.80	0.4	100.7	60	125	
Ge (IS)	74	H2	237289.36	1.0	102.6	60	125	
Ge (IS)	74	He	27907.09	2.6	102.1	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	60443.31	0.9	98.2	60	125	
Tb (IS)	159	He	333081.96	0.7	98.3	60	125	
Bi (IS)	209	He	248747.05	0.7	96.4	60	125	

DRAFT

Sample Report

File Name 231SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-09 01:19:54

Sample Name **460-306635-B-4-B@3**

Comment ---

Dilution **1.0000**

Vial # 3307

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.540	ug/l	5.2	2000	
B	11	6	No Gas	33.956	ug/l	2.5	2000	
Na	23	45	He	4258.987	ug/l	2.1	500000	
Mg	24	45	He	16276.647	ug/l	1.6	500000	
Al	27	45	He	18119.441	ug/l	2.2	500000	
K	39	45	He	1798.340	ug/l	3.4	500000	
Ca	40	45	H2	86964.196	ug/l	1.0	1000000	
Ti	47	45	No Gas	743.300	ug/l	1.3	10000	
V	51	45	He	62.725	ug/l	2.1	5000	
Cr	52	45	He	142.682	ug/l	2.8	20000	
Mn	55	45	He	539.568	ug/l	1.9	20000	
Fe	56	45	H2	113861.725	ug/l	0.9	500000	
Co	59	45	He	31.742	ug/l	1.0	2000	
Ni	60	45	He	197.287	ug/l	2.0	20000	
Cu	63	45	He	418.233	ug/l	2.4	20000	
Zn	66	45	He	2121.723	ug/l	1.9	20000	
As	75	74	He	32.622	ug/l	2.4	5000	
Se	78	74	H2	0.799	ug/l	9.4	3000	
Sr	88	115	He	494.531	ug/l	1.1	5000	
Mo	95	115	He	11.146	ug/l	5.1	2000	
Ag	107	115	He	1.646	ug/l	1.6	1000	
Cd	111	115	He	3.021	ug/l	4.9	5000	
Sn	118	115	He	841.638	ug/l	2.0	2000	
Sb	121	115	He	10.548	ug/l	1.8	1000	
Ba	137	159	He	846.131	ug/l	0.8	20000	
Tl	205	209	He	0.062	ug/l	41.0	1000	
[Pb]	206	209	He	7435.534	ug/l	0.7		
[Pb]	207	209	He	7427.588	ug/l	0.5		
Pb	208	209	He	7382.895	ug/l	0.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5117750.83	0.8	101.4	60	125	
Sc (ISICPMS)	45	No Gas	4984031.14	0.8	102.8	60	125	
Sc (ISICPMS)	45	H2	1300482.05	1.2	101.0	60	125	
Sc (ISICPMS)	45	He	46979.86	1.5	100.5	60	125	
Ge (IS)	74	H2	240375.59	0.4	104.0	60	125	
Ge (IS)	74	He	28910.08	1.4	105.8	60	125	
Kr	83	He	6.67	86.6				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	60692.56	0.5	98.6	60	125	
Tb (IS)	159	He	333948.58	1.1	98.6	60	125	
Bi (IS)	209	He	249229.18	0.7	96.6	60	125	

DRAFT

Sample Report

File Name 232SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-09 01:22:25

Sample Name **460-307098-B-2-A@4**

Comment ---

Dilution **1.0000**

Vial # 3308

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	2.111	ug/l	4.2	2000	
B	11	6	No Gas	54.404	ug/l	1.4	2000	
Na	23	45	He	4351.795	ug/l	0.5	500000	
Mg	24	45	He	14857.645	ug/l	0.9	500000	
Al	27	45	He	26837.229	ug/l	0.2	500000	
K	39	45	He	3841.866	ug/l	2.3	500000	
Ca	40	45	H2	87182.996	ug/l	0.4	1000000	
Ti	47	45	No Gas	951.541	ug/l	1.3	10000	
V	51	45	He	172.311	ug/l	1.0	5000	
Cr	52	45	He	135.898	ug/l	1.2	20000	
Mn	55	45	He	679.943	ug/l	0.2	20000	
Fe	56	45	H2	125321.402	ug/l	0.7	500000	
Co	59	45	He	75.274	ug/l	0.3	2000	
Ni	60	45	He	221.572	ug/l	0.4	20000	
Cu	63	45	He	10974.139	ug/l	1.1	20000	
Zn	66	45	He	11328.300	ug/l	0.5	20000	
As	75	74	He	95.400	ug/l	4.8	5000	
Se	78	74	H2	13.148	ug/l	9.9	3000	
Sr	88	115	He	339.632	ug/l	0.8	5000	
Mo	95	115	He	60.427	ug/l	1.1	2000	
Ag	107	115	He	17.028	ug/l	3.2	1000	
Cd	111	115	He	38.303	ug/l	0.3	5000	
Sn	118	115	He	564.335	ug/l	1.4	2000	
Sb	121	115	He	17.705	ug/l	1.7	1000	
Ba	137	159	He	930.293	ug/l	1.9	20000	
Tl	205	209	He	0.708	ug/l	0.3	1000	
[Pb]	206	209	He	3723.175	ug/l	0.2		
[Pb]	207	209	He	3633.827	ug/l	0.5		
Pb	208	209	He	3669.133	ug/l	0.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5119381.83	1.0	101.4	60	125	
Sc (ISICPMS)	45	No Gas	5025573.08	0.7	103.6	60	125	
Sc (ISICPMS)	45	H2	1309857.86	0.9	101.8	60	125	
Sc (ISICPMS)	45	He	47999.90	0.8	102.6	60	125	
Ge (IS)	74	H2	243082.26	0.8	105.1	60	125	
Ge (IS)	74	He	28689.40	2.0	105.0	60	125	
Kr	83	He	3.34	173.2				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	64943.44	0.5	105.5	60	125	
Tb (IS)	159	He	335086.50	0.5	98.9	60	125	
Bi (IS)	209	He	266448.04	0.1	103.3	60	125	

DRAFT

Sample Report

File Name 233SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-09 01:24:57

Sample Name **460-307098-B-5-A@@3**

Comment ---

Dilution **1.0000**

Vial # 3309

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	2.087	ug/l	1.8	2000	
B	11	6	No Gas	56.339	ug/l	1.1	2000	
Na	23	45	He	3342.721	ug/l	1.8	500000	
Mg	24	45	He	13947.201	ug/l	1.3	500000	
Al	27	45	He	31998.649	ug/l	1.8	500000	
K	39	45	He	3266.665	ug/l	2.1	500000	
Ca	40	45	H2	65872.976	ug/l	1.0	1000000	
Ti	47	45	No Gas	885.530	ug/l	0.9	10000	
V	51	45	He	206.492	ug/l	1.8	5000	
Cr	52	45	He	133.216	ug/l	0.1	20000	
Mn	55	45	He	755.919	ug/l	0.9	20000	
Fe	56	45	H2	97248.538	ug/l	0.8	500000	
Co	59	45	He	54.632	ug/l	2.1	2000	
Ni	60	45	He	193.028	ug/l	2.7	20000	
Cu	63	45	He	9301.788	ug/l	1.6	20000	
Zn	66	45	He	7722.002	ug/l	1.4	20000	
As	75	74	He	91.302	ug/l	2.9	5000	
Se	78	74	H2	13.551	ug/l	4.3	3000	
Sr	88	115	He	278.022	ug/l	0.7	5000	
Mo	95	115	He	16.600	ug/l	3.7	2000	
Ag	107	115	He	18.532	ug/l	1.0	1000	
Cd	111	115	He	44.062	ug/l	3.4	5000	
Sn	118	115	He	391.551	ug/l	1.2	2000	
Sb	121	115	He	19.277	ug/l	2.7	1000	
Ba	137	159	He	800.712	ug/l	0.9	20000	
Tl	205	209	He	0.733	ug/l	5.4	1000	
[Pb]	206	209	He	3877.613	ug/l	0.4		
[Pb]	207	209	He	3798.233	ug/l	0.3		
Pb	208	209	He	3829.451	ug/l	0.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5100227.53	1.2	101.0	60	125	
Sc (ISICPMS)	45	No Gas	5046079.92	0.9	104.0	60	125	
Sc (ISICPMS)	45	H2	1315616.72	0.4	102.2	60	125	
Sc (ISICPMS)	45	He	48131.64	2.1	102.9	60	125	
Ge (IS)	74	H2	245404.66	0.7	106.1	60	125	
Ge (IS)	74	He	29047.30	1.5	106.3	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	64423.87	1.0	104.7	60	125	
Tb (IS)	159	He	340088.78	1.3	100.4	60	125	
Bi (IS)	209	He	273051.27	0.9	105.8	60	125	

DRAFT

Sample Report

File Name 234SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-09 01:27:29

Sample Name **460-307098-B-11-A@3**

Comment ---

Dilution **1.0000**

Vial # 3310

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	2.777	ug/l	0.2	2000	
B	11	6	No Gas	38.696	ug/l	2.4	2000	
Na	23	45	He	1804.800	ug/l	1.2	500000	
Mg	24	45	He	12428.422	ug/l	1.0	500000	
Al	27	45	He	32568.202	ug/l	0.9	500000	
K	39	45	He	3420.870	ug/l	2.0	500000	
Ca	40	45	H2	53105.224	ug/l	1.0	1000000	
Ti	47	45	No Gas	1079.034	ug/l	1.1	10000	
V	51	45	He	122.376	ug/l	1.7	5000	
Cr	52	45	He	113.056	ug/l	0.6	20000	
Mn	55	45	He	719.747	ug/l	0.9	20000	
Fe	56	45	H2	123502.779	ug/l	0.7	500000	
Co	59	45	He	61.769	ug/l	1.9	2000	
Ni	60	45	He	134.611	ug/l	1.2	20000	
Cu	63	45	He	6408.210	ug/l	0.3	20000	
Zn	66	45	He	15122.931	ug/l	3.3	20000	
As	75	74	He	41.726	ug/l	6.0	5000	
Se	78	74	H2	4.401	ug/l	13.5	3000	
Sr	88	115	He	223.389	ug/l	1.0	5000	
Mo	95	115	He	12.882	ug/l	2.7	2000	
Ag	107	115	He	6.406	ug/l	2.1	1000	
Cd	111	115	He	1.918	ug/l	0.9	5000	
Sn	118	115	He	675.978	ug/l	1.5	2000	
Sb	121	115	He	15.556	ug/l	1.4	1000	
Ba	137	159	He	754.695	ug/l	0.2	20000	
Tl	205	209	He	0.353	ug/l	4.8	1000	
[Pb]	206	209	He	3957.393	ug/l	0.4		
[Pb]	207	209	He	3846.464	ug/l	0.7		
Pb	208	209	He	3884.269	ug/l	0.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5224022.91	0.6	103.5	60	125	
Sc (ISICPMS)	45	No Gas	5082690.62	0.8	104.8	60	125	
Sc (ISICPMS)	45	H2	1326398.55	0.4	103.1	60	125	
Sc (ISICPMS)	45	He	48092.53	1.4	102.8	60	125	
Ge (IS)	74	H2	246151.86	0.7	106.5	60	125	
Ge (IS)	74	He	29304.73	3.4	107.3	60	125	
Kr	83	He	6.67	173.2				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	62651.84	2.0	101.8	60	125	
Tb (IS)	159	He	342388.40	1.3	101.1	60	125	
Bi (IS)	209	He	257671.62	0.7	99.9	60	125	

DRAFT

Sample Report

File Name 235SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-09 01:30:00

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.002	ug/l	351.8	2000	
B	11	6	No Gas	0.692	ug/l	31.8	2000	
Na	23	45	He	-32.534	ug/l	N/A	500000	
Mg	24	45	He	0.381	ug/l	177.1	500000	
Al	27	45	He	-1.407	ug/l	N/A	500000	
K	39	45	He	-2.265	ug/l	N/A	500000	
Ca	40	45	H2	4.187	ug/l	10.2	1000000	
Ti	47	45	No Gas	-0.419	ug/l	N/A	10000	
V	51	45	He	-0.071	ug/l	N/A	5000	
Cr	52	45	He	-0.115	ug/l	N/A	20000	
Mn	55	45	He	-0.425	ug/l	N/A	20000	
Fe	56	45	H2	-6.814	ug/l	N/A	500000	
Co	59	45	He	0.009	ug/l	183.3	2000	
Ni	60	45	He	-14.785	ug/l	N/A	20000	
Cu	63	45	He	0.545	ug/l	11.4	20000	
Zn	66	45	He	1.791	ug/l	20.1	20000	
As	75	74	He	0.097	ug/l	96.3	5000	
Se	78	74	H2	-0.019	ug/l	N/A	3000	
Sr	88	115	He	-0.002	ug/l	N/A	5000	
Mo	95	115	He	0.023	ug/l	61.1	2000	
Ag	107	115	He	-0.007	ug/l	N/A	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	0.155	ug/l	166.8	2000	
Sb	121	115	He	0.070	ug/l	98.0	1000	
Ba	137	159	He	0.127	ug/l	223.4	20000	
Tl	205	209	He	-0.057	ug/l	N/A	1000	
[Pb]	206	209	He	0.528	ug/l	1.4		
[Pb]	207	209	He	0.546	ug/l	5.8		
Pb	208	209	He	0.543	ug/l	3.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5187510.55	1.8	102.8	60	125	
Sc (ISICPMS)	45	No Gas	5047880.03	1.2	104.1	60	125	
Sc (ISICPMS)	45	H2	1321269.74	0.5	102.7	60	125	
Sc (ISICPMS)	45	He	47958.92	0.6	102.6	60	125	
Ge (IS)	74	H2	235656.32	0.7	101.9	60	125	
Ge (IS)	74	He	27599.47	2.9	101.0	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	62674.25	1.1	101.8	60	125	
Tb (IS)	159	He	339377.90	0.2	100.2	60	125	
Bi (IS)	209	He	255676.02	0.5	99.1	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 236_CCV.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-09 01:32:31

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	100.777	ug/l	0.7	100	90	110	
B	11	6	No Gas	242.226	ug/l	1.5	250	225	275	
Na	23	45	He	25822.433	ug/l	0.5	25000	22500	27500	
Mg	24	45	He	25678.953	ug/l	0.7	25000	22500	27500	
Al	27	45	He	25637.199	ug/l	1.3	25000	22500	27500	
K	39	45	He	25888.202	ug/l	1.5	25000	22500	27500	
Ca	40	45	H2	25530.997	ug/l	0.9	25000	22500	27500	
Ti	47	45	No Gas	99.417	ug/l	1.7	100	90	110	
V	51	45	He	102.292	ug/l	1.4	100	90	110	
Cr	52	45	He	102.206	ug/l	1.9	100	90	110	
Mn	55	45	He	101.238	ug/l	2.1	100	90	110	
Fe	56	45	H2	25411.819	ug/l	0.4	25000	22500	27500	
Co	59	45	He	103.438	ug/l	0.8	100	90	110	
Ni	60	45	He	85.531	ug/l	0.9	100	90	110	failed
Cu	63	45	He	103.675	ug/l	1.4	100	90	110	
Zn	66	45	He	255.828	ug/l	1.9	250	225	275	
As	75	74	He	101.181	ug/l	2.7	100	90	110	
Se	78	74	H2	98.699	ug/l	1.2	100	90	110	
Sr	88	115	He	101.071	ug/l	0.8	100	90	110	
Mo	95	115	He	101.133	ug/l	2.0	100	90	110	
Ag	107	115	He	49.507	ug/l	1.0	50	45	55	
Cd	111	115	He	99.334	ug/l	2.2	100	90	110	
Sn	118	115	He	102.754	ug/l	2.2	100	90	110	
Sb	121	115	He	102.595	ug/l	1.0	100	90	110	
Ba	137	159	He	107.537	ug/l	2.4	100	90	110	
Tl	205	209	He	101.679	ug/l	0.6	100	90	110	
[Pb]	206	209	He	103.173	ug/l	0.3				
[Pb]	207	209	He	101.646	ug/l	1.0				
Pb	208	209	He	102.522	ug/l	0.6	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5232194.99	0.8	103.6	60	125	
Sc (ISICPMS)	45	No Gas	5077690.17	1.1	104.7	60	125	
Sc (ISICPMS)	45	H2	1317653.46	0.7	102.4	60	125	
Sc (ISICPMS)	45	He	47853.92	0.5	102.3	60	125	
Ge (IS)	74	H2	242337.49	1.2	104.8	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	29257.85	0.8	107.1	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	62221.49	0.7	101.1	60	125	
Tb (IS)	159	He	341327.77	0.9	100.8	60	125	
Bi (IS)	209	He	252056.53	0.2	97.7	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 237_Blk.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-09 01:35:03

Sample Name **CCB**

Comment ---

Dilution 1.0000

Multiplier Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.005	ug/l	156.1	0.8	-0.8	0.8	
B	11	6	No Gas	1.888	ug/l	10.2	40	-40	40	
Na	23	45	He	-5.996	ug/l	N/A	500	-500	500	
Mg	24	45	He	0.803	ug/l	134.3	200	-200	200	
Al	27	45	He	-0.637	ug/l	N/A	40	-40	40	
K	39	45	He	14.636	ug/l	90.0	200	-200	200	
Ca	40	45	H2	7.095	ug/l	9.7	500	-500	500	
Ti	47	45	No Gas	-0.122	ug/l	N/A	4	-4	4	
V	51	45	He	-0.094	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.078	ug/l	N/A	4	-4	4	
Mn	55	45	He	-0.505	ug/l	N/A	8	-8	8	
Fe	56	45	H2	-8.212	ug/l	N/A	60	-60	60	
Co	59	45	He	0.012	ug/l	101.3	4	-4	4	
Ni	60	45	He	-14.544	ug/l	N/A	4	-4	4	> water RL
Cu	63	45	He	0.110	ug/l	18.6	4	-4	4	
Zn	66	45	He	0.435	ug/l	120.2	16	-16	16	
As	75	74	He	-0.139	ug/l	N/A	2	-2	2	
Se	78	74	H2	-0.020	ug/l	N/A	2.5	-2.5	2.5	
Sr	88	115	He	0.067	ug/l	167.5	4	-4	4	
Mo	95	115	He	0.024	ug/l	32.6	4	-4	4	
Ag	107	115	He	-0.005	ug/l	N/A	2	-2	2	
Cd	111	115	He	0.022	ug/l	86.6	2	-2	2	
Sn	118	115	He	-0.800	ug/l	N/A	16	-16	16	
Sb	121	115	He	0.086	ug/l	27.7	2	-2	2	
Ba	137	159	He	0.072	ug/l	121.8	4	-4	4	
Tl	205	209	He	-0.015	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.357	ug/l	28.4				
[Pb]	207	209	He	0.445	ug/l	16.7				
Pb	208	209	He	0.423	ug/l	9.0	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	5151665.55	0.6	102.0	60	125	
Sc (ISICPMS)	45	No Gas	5032535.34	0.6	103.8	60	125	
Sc (ISICPMS)	45	H2	1312990.67	1.9	102.0	60	125	
Sc (ISICPMS)	45	He	47492.64	1.0	101.6	60	125	
Ge (IS)	74	H2	236424.74	0.8	102.3	60	125	
Ge (IS)	74	He	27739.84	0.3	101.5	60	125	
Kr	83	He	0.00	N/A				
In-1	115	He	62308.36	1.5	101.2	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	338715.03	0.4	100.0	60	125	
Bi (IS)	209	He	257129.89	0.7	99.7	60	125	

DRAFT

Sample Report

File Name 238SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-09 01:37:34

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.005	ug/l	284.6	2000	
B	11	6	No Gas	0.961	ug/l	24.5	2000	
Na	23	45	He	-30.270	ug/l	N/A	500000	
Mg	24	45	He	0.261	ug/l	233.0	500000	
Al	27	45	He	-0.596	ug/l	N/A	500000	
K	39	45	He	-12.019	ug/l	N/A	500000	
Ca	40	45	H2	1.452	ug/l	47.4	1000000	
Ti	47	45	No Gas	-0.449	ug/l	N/A	10000	
V	51	45	He	-0.101	ug/l	N/A	5000	
Cr	52	45	He	-0.135	ug/l	N/A	20000	
Mn	55	45	He	-0.496	ug/l	N/A	20000	
Fe	56	45	H2	-11.276	ug/l	N/A	500000	
Co	59	45	He	-0.003	ug/l	N/A	2000	
Ni	60	45	He	-14.951	ug/l	N/A	20000	
Cu	63	45	He	0.055	ug/l	25.9	20000	
Zn	66	45	He	0.473	ug/l	130.1	20000	
As	75	74	He	0.252	ug/l	144.4	5000	
Se	78	74	H2	0.138	ug/l	43.0	3000	
Sr	88	115	He	0.045	ug/l	4.7	5000	
Mo	95	115	He	0.014	ug/l	183.6	2000	
Ag	107	115	He	-0.005	ug/l	N/A	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	-0.452	ug/l	N/A	2000	
Sb	121	115	He	0.058	ug/l	82.1	1000	
Ba	137	159	He	0.014	ug/l	1229.4	20000	
Tl	205	209	He	-0.058	ug/l	N/A	1000	
[Pb]	206	209	He	0.325	ug/l	32.9		
[Pb]	207	209	He	0.359	ug/l	13.9		
Pb	208	209	He	0.369	ug/l	2.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5256938.19	1.1	104.1	60	125	
Sc (ISICPMS)	45	No Gas	5085085.51	1.6	104.8	60	125	
Sc (ISICPMS)	45	H2	1320605.20	0.3	102.6	60	125	
Sc (ISICPMS)	45	He	48498.44	0.7	103.7	60	125	
Ge (IS)	74	H2	235214.99	0.5	101.7	60	125	
Ge (IS)	74	He	28378.46	2.8	103.9	60	125	
Kr	83	He	3.34	173.2				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	63042.80	1.2	102.4	60	125	
Tb (IS)	159	He	339678.20	0.5	100.3	60	125	
Bi (IS)	209	He	257110.83	0.6	99.6	60	125	

DRAFT

Sample Report

File Name 239SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-09 01:40:05

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.002	ug/l	311.8	2000	
B	11	6	No Gas	0.339	ug/l	41.5	2000	
Na	23	45	He	-33.009	ug/l	N/A	500000	
Mg	24	45	He	0.586	ug/l	44.9	500000	
Al	27	45	He	-0.329	ug/l	N/A	500000	
K	39	45	He	-2.621	ug/l	N/A	500000	
Ca	40	45	H2	1.362	ug/l	16.3	1000000	
Ti	47	45	No Gas	-0.481	ug/l	N/A	10000	
V	51	45	He	-0.105	ug/l	N/A	5000	
Cr	52	45	He	-0.089	ug/l	N/A	20000	
Mn	55	45	He	-0.589	ug/l	N/A	20000	
Fe	56	45	H2	-12.112	ug/l	N/A	500000	
Co	59	45	He	-0.016	ug/l	N/A	2000	
Ni	60	45	He	-14.738	ug/l	N/A	20000	
Cu	63	45	He	0.138	ug/l	24.1	20000	
Zn	66	45	He	0.044	ug/l	1901.4	20000	
As	75	74	He	0.024	ug/l	627.1	5000	
Se	78	74	H2	0.016	ug/l	494.9	3000	
Sr	88	115	He	0.065	ug/l	66.1	5000	
Mo	95	115	He	-0.010	ug/l	N/A	2000	
Ag	107	115	He	-0.005	ug/l	N/A	1000	
Cd	111	115	He	0.022	ug/l	86.6	5000	
Sn	118	115	He	-0.469	ug/l	N/A	2000	
Sb	121	115	He	0.075	ug/l	22.8	1000	
Ba	137	159	He	-0.023	ug/l	N/A	20000	
Tl	205	209	He	-0.057	ug/l	N/A	1000	
[Pb]	206	209	He	0.288	ug/l	21.5		
[Pb]	207	209	He	0.347	ug/l	18.8		
Pb	208	209	He	0.311	ug/l	3.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5246419.23	1.0	103.9	60	125	
Sc (ISICPMS)	45	No Gas	5066466.07	1.0	104.5	60	125	
Sc (ISICPMS)	45	H2	1311253.42	1.6	101.9	60	125	
Sc (ISICPMS)	45	He	47878.50	1.1	102.4	60	125	
Ge (IS)	74	H2	233340.87	2.0	100.9	60	125	
Ge (IS)	74	He	28475.40	1.2	104.2	60	125	
Kr	83	He	3.34	173.2				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	62754.72	0.7	101.9	60	125	
Tb (IS)	159	He	338934.47	0.1	100.1	60	125	
Bi (IS)	209	He	255915.97	0.7	99.2	60	125	

DRAFT

Sample Report

File Name 240SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-09 01:42:36

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.000	ug/l	5124.8	2000	
B	11	6	No Gas	-0.026	ug/l	N/A	2000	
Na	23	45	He	-40.103	ug/l	N/A	500000	
Mg	24	45	He	0.438	ug/l	115.0	500000	
Al	27	45	He	-0.857	ug/l	N/A	500000	
K	39	45	He	-4.276	ug/l	N/A	500000	
Ca	40	45	H2	1.356	ug/l	18.8	1000000	
Ti	47	45	No Gas	-0.505	ug/l	N/A	10000	
V	51	45	He	-0.035	ug/l	N/A	5000	
Cr	52	45	He	-0.246	ug/l	N/A	20000	
Mn	55	45	He	-0.436	ug/l	N/A	20000	
Fe	56	45	H2	-12.033	ug/l	N/A	500000	
Co	59	45	He	-0.008	ug/l	N/A	2000	
Ni	60	45	He	-14.813	ug/l	N/A	20000	
Cu	63	45	He	-0.014	ug/l	N/A	20000	
Zn	66	45	He	0.435	ug/l	108.1	20000	
As	75	74	He	-0.006	ug/l	N/A	5000	
Se	78	74	H2	-0.002	ug/l	N/A	3000	
Sr	88	115	He	0.065	ug/l	26.4	5000	
Mo	95	115	He	-0.002	ug/l	N/A	2000	
Ag	107	115	He	0.001	ug/l	760.0	1000	
Cd	111	115	He	0.011	ug/l	173.2	5000	
Sn	118	115	He	-0.466	ug/l	N/A	2000	
Sb	121	115	He	0.020	ug/l	165.1	1000	
Ba	137	159	He	-0.098	ug/l	N/A	20000	
Tl	205	209	He	-0.044	ug/l	N/A	1000	
[Pb]	206	209	He	0.241	ug/l	4.1		
[Pb]	207	209	He	0.248	ug/l	7.9		
Pb	208	209	He	0.278	ug/l	5.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5337660.58	0.8	105.7	60	125	
Sc (ISICPMS)	45	No Gas	5090540.76	0.6	105.0	60	125	
Sc (ISICPMS)	45	H2	1314312.20	1.0	102.1	60	125	
Sc (ISICPMS)	45	He	49122.78	1.3	105.0	60	125	
Ge (IS)	74	H2	235604.81	0.9	101.9	60	125	
Ge (IS)	74	He	28167.78	1.2	103.1	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	62828.58	0.3	102.1	60	125	
Tb (IS)	159	He	337296.51	0.4	99.6	60	125	
Bi (IS)	209	He	256382.36	0.6	99.4	60	125	

DRAFT

Sample Report

File Name 241SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-09 01:45:06

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.004	ug/l	131.3	2000	
B	11	6	No Gas	-0.287	ug/l	N/A	2000	
Na	23	45	He	-33.439	ug/l	N/A	500000	
Mg	24	45	He	0.924	ug/l	53.1	500000	
Al	27	45	He	0.455	ug/l	398.9	500000	
K	39	45	He	-12.405	ug/l	N/A	500000	
Ca	40	45	H2	1.051	ug/l	70.8	1000000	
Ti	47	45	No Gas	-0.462	ug/l	N/A	10000	
V	51	45	He	-0.089	ug/l	N/A	5000	
Cr	52	45	He	-0.057	ug/l	N/A	20000	
Mn	55	45	He	-0.488	ug/l	N/A	20000	
Fe	56	45	H2	-12.079	ug/l	N/A	500000	
Co	59	45	He	-0.004	ug/l	N/A	2000	
Ni	60	45	He	-14.890	ug/l	N/A	20000	
Cu	63	45	He	0.065	ug/l	129.7	20000	
Zn	66	45	He	0.308	ug/l	134.6	20000	
As	75	74	He	-0.009	ug/l	N/A	5000	
Se	78	74	H2	-0.020	ug/l	N/A	3000	
Sr	88	115	He	0.057	ug/l	81.0	5000	
Mo	95	115	He	0.019	ug/l	122.6	2000	
Ag	107	115	He	-0.003	ug/l	N/A	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	-0.223	ug/l	N/A	2000	
Sb	121	115	He	0.081	ug/l	13.3	1000	
Ba	137	159	He	-0.005	ug/l	N/A	20000	
Tl	205	209	He	-0.060	ug/l	N/A	1000	
[Pb]	206	209	He	0.262	ug/l	9.7		
[Pb]	207	209	He	0.220	ug/l	17.8		
Pb	208	209	He	0.266	ug/l	1.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5304617.49	0.4	105.1	60	125	
Sc (ISICPMS)	45	No Gas	5093177.32	1.0	105.0	60	125	
Sc (ISICPMS)	45	H2	1322548.40	0.3	102.8	60	125	
Sc (ISICPMS)	45	He	48481.66	0.9	103.7	60	125	
Ge (IS)	74	H2	237547.75	0.1	102.7	60	125	
Ge (IS)	74	He	28435.30	1.4	104.1	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	62316.72	1.0	101.2	60	125	
Tb (IS)	159	He	339900.64	0.4	100.4	60	125	
Bi (IS)	209	He	254957.43	0.2	98.8	60	125	

DRAFT

Sample Report

File Name 242SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-09 01:47:37

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.005	ug/l	86.6	2000	
B	11	6	No Gas	-0.256	ug/l	N/A	2000	
Na	23	45	He	-33.308	ug/l	N/A	500000	
Mg	24	45	He	-0.888	ug/l	N/A	500000	
Al	27	45	He	-0.765	ug/l	N/A	500000	
K	39	45	He	6.389	ug/l	160.1	500000	
Ca	40	45	H2	1.307	ug/l	60.5	1000000	
Ti	47	45	No Gas	-0.424	ug/l	N/A	10000	
V	51	45	He	-0.096	ug/l	N/A	5000	
Cr	52	45	He	-0.265	ug/l	N/A	20000	
Mn	55	45	He	-0.464	ug/l	N/A	20000	
Fe	56	45	H2	-12.709	ug/l	N/A	500000	
Co	59	45	He	-0.013	ug/l	N/A	2000	
Ni	60	45	He	-14.859	ug/l	N/A	20000	
Cu	63	45	He	0.051	ug/l	119.9	20000	
Zn	66	45	He	0.241	ug/l	179.1	20000	
As	75	74	He	-0.140	ug/l	N/A	5000	
Se	78	74	H2	-0.054	ug/l	N/A	3000	
Sr	88	115	He	0.068	ug/l	132.9	5000	
Mo	95	115	He	0.008	ug/l	148.7	2000	
Ag	107	115	He	0.000	ug/l	N/A	1000	
Cd	111	115	He	0.011	ug/l	173.2	5000	
Sn	118	115	He	-0.456	ug/l	N/A	2000	
Sb	121	115	He	0.093	ug/l	47.2	1000	
Ba	137	159	He	-0.040	ug/l	N/A	20000	
Tl	205	209	He	-0.056	ug/l	N/A	1000	
[Pb]	206	209	He	0.248	ug/l	14.7		
[Pb]	207	209	He	0.223	ug/l	26.2		
Pb	208	209	He	0.247	ug/l	3.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5323880.54	0.1	105.5	60	125	
Sc (ISICPMS)	45	No Gas	5044329.06	0.6	104.0	60	125	
Sc (ISICPMS)	45	H2	1302683.72	1.2	101.2	60	125	
Sc (ISICPMS)	45	He	48460.28	0.4	103.6	60	125	
Ge (IS)	74	H2	234282.69	1.3	101.3	60	125	
Ge (IS)	74	He	28154.42	1.4	103.0	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	61799.38	0.7	100.4	60	125	
Tb (IS)	159	He	334797.58	0.2	98.8	60	125	
Bi (IS)	209	He	253439.08	0.4	98.2	60	125	

DRAFT

Sample Report

File Name 243SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-09 01:50:07

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.001	ug/l	N/A	2000	
B	11	6	No Gas	-0.364	ug/l	N/A	2000	
Na	23	45	He	-31.165	ug/l	N/A	500000	
Mg	24	45	He	0.940	ug/l	106.0	500000	
Al	27	45	He	0.771	ug/l	147.5	500000	
K	39	45	He	13.676	ug/l	96.0	500000	
Ca	40	45	H2	0.687	ug/l	56.8	1000000	
Ti	47	45	No Gas	-0.443	ug/l	N/A	10000	
V	51	45	He	-0.139	ug/l	N/A	5000	
Cr	52	45	He	-0.001	ug/l	N/A	20000	
Mn	55	45	He	-0.469	ug/l	N/A	20000	
Fe	56	45	H2	-12.990	ug/l	N/A	500000	
Co	59	45	He	-0.010	ug/l	N/A	2000	
Ni	60	45	He	-14.964	ug/l	N/A	20000	
Cu	63	45	He	-0.014	ug/l	N/A	20000	
Zn	66	45	He	0.279	ug/l	174.1	20000	
As	75	74	He	0.019	ug/l	568.7	5000	
Se	78	74	H2	-0.001	ug/l	N/A	3000	
Sr	88	115	He	0.058	ug/l	59.8	5000	
Mo	95	115	He	0.008	ug/l	542.6	2000	
Ag	107	115	He	-0.003	ug/l	N/A	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	-0.584	ug/l	N/A	2000	
Sb	121	115	He	0.126	ug/l	13.6	1000	
Ba	137	159	He	-0.022	ug/l	N/A	20000	
Tl	205	209	He	-0.054	ug/l	N/A	1000	
[Pb]	206	209	He	0.185	ug/l	12.1		
[Pb]	207	209	He	0.227	ug/l	37.6		
Pb	208	209	He	0.229	ug/l	18.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5314385.41	0.7	105.3	60	125	
Sc (ISICPMS)	45	No Gas	5109558.15	0.4	105.3	60	125	
Sc (ISICPMS)	45	H2	1312484.79	1.0	102.0	60	125	
Sc (ISICPMS)	45	He	47655.46	1.9	101.9	60	125	
Ge (IS)	74	H2	233777.61	0.7	101.1	60	125	
Ge (IS)	74	He	28856.60	2.0	105.6	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	61754.99	0.9	100.3	60	125	
Tb (IS)	159	He	338361.70	0.7	99.9	60	125	
Bi (IS)	209	He	259057.66	0.2	100.4	60	125	

DRAFT

Sample Report

File Name 244SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-09 01:52:38

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.003	ug/l	N/A	2000	
B	11	6	No Gas	-0.510	ug/l	N/A	2000	
Na	23	45	He	-34.909	ug/l	N/A	500000	
Mg	24	45	He	0.062	ug/l	2086.7	500000	
Al	27	45	He	2.139	ug/l	131.5	500000	
K	39	45	He	3.899	ug/l	202.0	500000	
Ca	40	45	H2	0.984	ug/l	13.1	1000000	
Ti	47	45	No Gas	-0.431	ug/l	N/A	10000	
V	51	45	He	-0.095	ug/l	N/A	5000	
Cr	52	45	He	-0.338	ug/l	N/A	20000	
Mn	55	45	He	-0.467	ug/l	N/A	20000	
Fe	56	45	H2	-12.843	ug/l	N/A	500000	
Co	59	45	He	0.005	ug/l	297.3	2000	
Ni	60	45	He	-14.756	ug/l	N/A	20000	
Cu	63	45	He	-0.009	ug/l	N/A	20000	
Zn	66	45	He	0.237	ug/l	143.2	20000	
As	75	74	He	0.089	ug/l	328.0	5000	
Se	78	74	H2	-0.055	ug/l	N/A	3000	
Sr	88	115	He	0.170	ug/l	53.1	5000	
Mo	95	115	He	0.015	ug/l	333.5	2000	
Ag	107	115	He	0.005	ug/l	144.6	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	-0.499	ug/l	N/A	2000	
Sb	121	115	He	0.091	ug/l	88.5	1000	
Ba	137	159	He	0.124	ug/l	181.1	20000	
Tl	205	209	He	-0.057	ug/l	N/A	1000	
[Pb]	206	209	He	0.185	ug/l	27.1		
[Pb]	207	209	He	0.253	ug/l	16.3		
Pb	208	209	He	0.228	ug/l	1.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5365576.03	0.5	106.3	60	125	
Sc (ISICPMS)	45	No Gas	5089064.68	0.8	104.9	60	125	
Sc (ISICPMS)	45	H2	1316943.52	0.8	102.3	60	125	
Sc (ISICPMS)	45	He	48120.25	1.9	102.9	60	125	
Ge (IS)	74	H2	237736.19	1.7	102.8	60	125	
Ge (IS)	74	He	28492.14	1.3	104.3	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	62632.19	0.6	101.7	60	125	
Tb (IS)	159	He	342535.10	0.5	101.1	60	125	
Bi (IS)	209	He	256054.16	0.4	99.2	60	125	

DRAFT

Sample Report

File Name 245SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-09 01:55:09

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.001	ug/l	277.4	2000	
B	11	6	No Gas	-0.492	ug/l	N/A	2000	
Na	23	45	He	-36.156	ug/l	N/A	500000	
Mg	24	45	He	-0.410	ug/l	N/A	500000	
Al	27	45	He	1.413	ug/l	62.1	500000	
K	39	45	He	-3.372	ug/l	N/A	500000	
Ca	40	45	H2	-0.778	ug/l	N/A	1000000	
Ti	47	45	No Gas	-0.433	ug/l	N/A	10000	
V	51	45	He	-0.075	ug/l	N/A	5000	
Cr	52	45	He	-0.036	ug/l	N/A	20000	
Mn	55	45	He	-0.552	ug/l	N/A	20000	
Fe	56	45	H2	-13.291	ug/l	N/A	500000	
Co	59	45	He	-0.011	ug/l	N/A	2000	
Ni	60	45	He	-14.931	ug/l	N/A	20000	
Cu	63	45	He	-0.067	ug/l	N/A	20000	
Zn	66	45	He	-0.040	ug/l	N/A	20000	
As	75	74	He	0.028	ug/l	522.9	5000	
Se	78	74	H2	-0.020	ug/l	N/A	3000	
Sr	88	115	He	0.028	ug/l	161.0	5000	
Mo	95	115	He	-0.034	ug/l	N/A	2000	
Ag	107	115	He	-0.001	ug/l	N/A	1000	
Cd	111	115	He	0.022	ug/l	86.6	5000	
Sn	118	115	He	-0.515	ug/l	N/A	2000	
Sb	121	115	He	0.043	ug/l	66.3	1000	
Ba	137	159	He	-0.004	ug/l	N/A	20000	
Tl	205	209	He	-0.054	ug/l	N/A	1000	
[Pb]	206	209	He	0.169	ug/l	31.4		
[Pb]	207	209	He	0.257	ug/l	16.9		
Pb	208	209	He	0.218	ug/l	0.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5310167.59	0.7	105.2	60	125	
Sc (ISICPMS)	45	No Gas	5113163.22	0.6	105.4	60	125	
Sc (ISICPMS)	45	H2	1325514.08	1.4	103.0	60	125	
Sc (ISICPMS)	45	He	48014.45	0.5	102.7	60	125	
Ge (IS)	74	H2	236372.00	1.6	102.2	60	125	
Ge (IS)	74	He	27632.93	4.1	101.1	60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	62183.41	0.7	101.0	60	125	
Tb (IS)	159	He	338796.77	1.0	100.0	60	125	
Bi (IS)	209	He	256533.61	0.8	99.4	60	125	

DRAFT

Sample Report

File Name 246SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-09 01:57:39

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.000	ug/l	N/A	2000	
B	11	6	No Gas	-0.624	ug/l	N/A	2000	
Na	23	45	He	-40.715	ug/l	N/A	500000	
Mg	24	45	He	0.615	ug/l	47.4	500000	
Al	27	45	He	1.368	ug/l	128.9	500000	
K	39	45	He	5.717	ug/l	97.3	500000	
Ca	40	45	H2	0.399	ug/l	148.4	1000000	
Ti	47	45	No Gas	-0.538	ug/l	N/A	10000	
V	51	45	He	-0.125	ug/l	N/A	5000	
Cr	52	45	He	-0.053	ug/l	N/A	20000	
Mn	55	45	He	-0.632	ug/l	N/A	20000	
Fe	56	45	H2	-12.832	ug/l	N/A	500000	
Co	59	45	He	-0.001	ug/l	N/A	2000	
Ni	60	45	He	-14.872	ug/l	N/A	20000	
Cu	63	45	He	0.040	ug/l	245.7	20000	
Zn	66	45	He	-0.007	ug/l	N/A	20000	
As	75	74	He	-0.174	ug/l	N/A	5000	
Se	78	74	H2	-0.055	ug/l	N/A	3000	
Sr	88	115	He	-0.012	ug/l	N/A	5000	
Mo	95	115	He	0.015	ug/l	176.7	2000	
Ag	107	115	He	-0.004	ug/l	N/A	1000	
Cd	111	115	He	0.022	ug/l	173.2	5000	
Sn	118	115	He	-0.683	ug/l	N/A	2000	
Sb	121	115	He	0.087	ug/l	105.4	1000	
Ba	137	159	He	-0.002	ug/l	N/A	20000	
Tl	205	209	He	-0.056	ug/l	N/A	1000	
[Pb]	206	209	He	0.188	ug/l	5.9		
[Pb]	207	209	He	0.172	ug/l	36.2		
Pb	208	209	He	0.199	ug/l	5.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5257818.32	0.4	104.1	60	125	
Sc (ISICPMS)	45	No Gas	5035429.20	1.3	103.8	60	125	
Sc (ISICPMS)	45	H2	1311320.04	0.7	101.9	60	125	
Sc (ISICPMS)	45	He	48227.48	1.7	103.1	60	125	
Ge (IS)	74	H2	236876.93	1.4	102.4	60	125	
Ge (IS)	74	He	28880.01	2.3	105.7	60	125	
Kr	83	He	3.34	173.2				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	62483.05	2.1	101.5	60	125	
Tb (IS)	159	He	334559.76	1.4	98.8	60	125	
Bi (IS)	209	He	254092.82	1.1	98.5	60	125	

DRAFT

Sample Report

File Name 247SMPL.d

File Path C:\Agilent\ICPMH\1\DATA\NM070824A1.b

Acq Time 2024-07-09 02:00:10

Sample Name **rn chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.000	ug/l	5008.8	2000	
B	11	6	No Gas	-0.533	ug/l	N/A	2000	
Na	23	45	He	-33.668	ug/l	N/A	500000	
Mg	24	45	He	0.424	ug/l	64.8	500000	
Al	27	45	He	1.168	ug/l	185.0	500000	
K	39	45	He	0.738	ug/l	1662.7	500000	
Ca	40	45	H2	-0.417	ug/l	N/A	1000000	
Ti	47	45	No Gas	-0.370	ug/l	N/A	10000	
V	51	45	He	-0.085	ug/l	N/A	5000	
Cr	52	45	He	-0.155	ug/l	N/A	20000	
Mn	55	45	He	-0.425	ug/l	N/A	20000	
Fe	56	45	H2	-13.657	ug/l	N/A	500000	
Co	59	45	He	-0.009	ug/l	N/A	2000	
Ni	60	45	He	-14.731	ug/l	N/A	20000	
Cu	63	45	He	-0.014	ug/l	N/A	20000	
Zn	66	45	He	-0.264	ug/l	N/A	20000	
As	75	74	He	-0.108	ug/l	N/A	5000	
Se	78	74	H2	-0.020	ug/l	N/A	3000	
Sr	88	115	He	0.048	ug/l	218.5	5000	
Mo	95	115	He	-0.042	ug/l	N/A	2000	
Ag	107	115	He	0.001	ug/l	314.4	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	-0.463	ug/l	N/A	2000	
Sb	121	115	He	0.093	ug/l	35.8	1000	
Ba	137	159	He	-0.022	ug/l	N/A	20000	
Tl	205	209	He	-0.060	ug/l	N/A	1000	
[Pb]	206	209	He	0.160	ug/l	17.2		
[Pb]	207	209	He	0.174	ug/l	10.2		
Pb	208	209	He	0.184	ug/l	7.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	5304255.75	1.2	105.1	60	125	
Sc (ISICPMS)	45	No Gas	5086041.45	0.1	104.9	60	125	
Sc (ISICPMS)	45	H2	1320537.83	0.5	102.6	60	125	
Sc (ISICPMS)	45	He	48455.94	0.9	103.6	60	125	
Ge (IS)	74	H2	236448.70	0.8	102.3	60	125	
Ge (IS)	74	He	28204.62	1.8	103.2	60	125	
Kr	83	He	3.34	173.2				

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Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	61847.36	0.7	100.5	60	125	
Tb (IS)	159	He	337546.09	1.0	99.7	60	125	
Bi (IS)	209	He	254694.50	0.6	98.7	60	125	

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US EPA Tune Check Report

Operator Name	ediicpms4
Acq/Data Batch	C:\Agilent\ICPMH\1\DATA\NM070824.b
Acq. Date-Time	2024-07-08 09:30:31
Report Comment	EPA TUNE REPORT
Instrument Name	ICP-MS SG18143095

[No Gas]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
9	10.00	4690	46897.28	0.00		3.479	5.000
24	10.00	16660	166597.10	0.00		3.628	5.000
25	10.00	2239	22387.69	0.00		3.121	5.000
26	10.00	2664	26640.35	0.00		3.000	5.000
59	10.00	21505	215046.22	0.00		2.997	5.000
115	10.00	32557	325567.18	0.00		3.072	5.000
206	10.00	8363	83628.46	0.00		3.000	5.000
207	10.00	7186	71863.23	0.00		3.242	5.000
208	10.00	17648	176480.15	0.00		2.699	5.000

Mass	RSD% (Flag)
9	
24	
25	
26	
59	
115	
206	
207	
208	

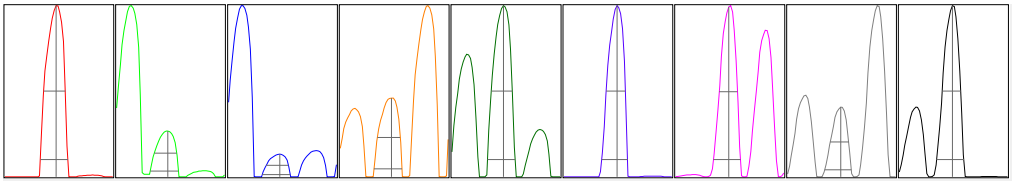
Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	4674	4800	4440	4668	4867
24	17291	15836	16635	17193	16344
25	2300	2163	2296	2272	2164
26	2691	2608	2777	2673	2571
59	20900	22359	21134	21106	22024
115	33195	31636	31348	33596	33009
206	8410	8061	8714	8439	8190
207	7047	7057	7590	7187	7050
208	17113	17796	18367	17364	17601

Integration Time [sec] 0.1

Resolution/Axis

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US EPA Tune Check Report



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	8500.91	8.95	8.90 - 9.10	
24	29064.53	23.95	23.90 - 24.10	
25	3847.16	24.95	24.90 - 25.10	
26	4430.78	25.95	25.90 - 26.10	
59	39037.78	58.95	58.90 - 59.10	
115	64530.11	115.00	114.90 - 115.10	
206	16773.54	206.00	205.90 - 206.10	
207	14455.42	207.00	206.90 - 207.10	
208	35482.42	208.00	207.90 - 208.10	

Mass	W-50%	W-10%	W-10% (Required)	W-10% (Flag)
9	0.59	0.752	0.900	
24	0.61	0.770	0.900	
25	0.61	0.767	0.900	
26	0.62	0.768	0.900	
59	0.58	0.754	0.900	
115	0.52	0.705	0.900	
206	0.50	0.739	0.900	
207	0.50	0.726	0.900	
208	0.50	0.745	0.900	

Integration Time [sec]	0.1
Acquisition Time [sec]	198.999999999998
Y Axis	Linear

Tune Parameters

Plasma Parameters

Plasma Mode	General Purpose	Nebulizer Gas	1.08 L/min	Makeup Gas	0.00 L/min
RF Power	1550 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	10.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	8.4 V	Deflect	12.2 V
Extract 2	-190.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-70 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V

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US EPA Tune Check Report

He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	0.0 mL/min	OctP RF	190 V		

QP Parameters

Mass Gain	153	Axis Gain	1.0002	QP Bias	-3.0 V
Mass Offset	125	Axis Offset	-0.07		

Hardware Settings

Torch

Torch H	1.1 mm	Torch V	-0.7 mm		

EM

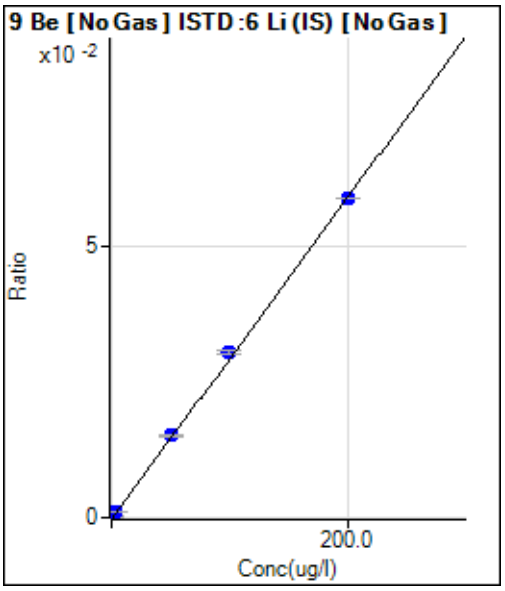
Discriminator	3.4 mV	Analog HV	2173 V	Pulse HV	1191 V

DRAFT

Batch Folder: C:\Agilent\ICPMH\1\DATA\NM070824A1.b\
Analysis File: NM070824A1.batch.bin
DA Date-Time: 2024-07-08 12:54:33
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	IC CAL-Blk	2024-07-08 11:22:04
2	005CALS.d	IC CAL1	2024-07-08 11:24:47
3	006CALS.d	IC CAL2	2024-07-08 11:27:31
4	007CALS.d	IC CAL3	2024-07-08 11:30:14
5	008CALS.d	IC CAL4	2024-07-08 11:32:57
6	009CALS.d	IC CAL5	2024-07-08 11:35:40

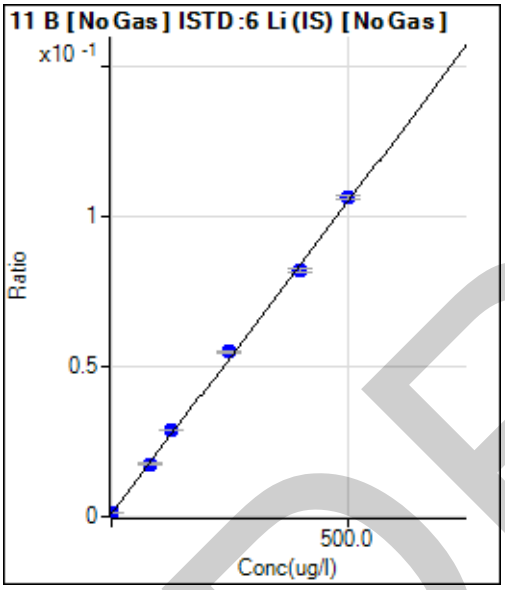
DRAFT



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	15.56	0.0000	P	12.7	
2	☐	0.800	0.752	1141.17	0.0002	P	8.2	-6.0
3	☐	4.000	3.903	5854.58	0.0012	P	0.8	-2.4
4	☐	50.000	51.225	75662.80	0.0152	P	1.8	2.4
5	☐	100.000	102.650	151724.03	0.0304	P	2.2	2.7
6	☐	200.000	198.371	294734.50	0.0587	P	0.5	-0.8

y = 2.9574E-004 * x + 3.0824E-006
R = 0.9998
DL = 0.003975 ug/l
BEC = 0.01042 ug/l

Weight: <None>
Min Conc: <None>

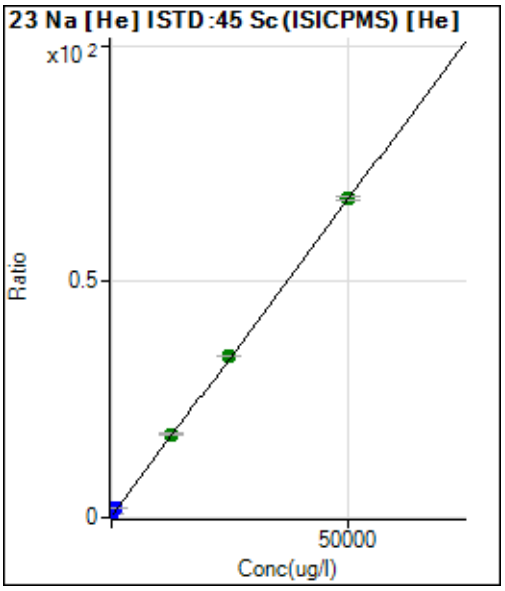


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	7977.86	0.0016	P	0.8	
2	☐	80.000	77.228	89248.57	0.0177	P	1.5	-3.5
3	☐	400.000	388.633	417111.07	0.0825	P	1.6	-2.8
4	☐	125.000	131.934	145016.72	0.0290	P	0.6	5.5
5	☐	250.000	256.438	274625.17	0.0549	P	0.4	2.6
6	☐	500.000	504.585	535488.70	0.1066	P	0.6	0.9

y = 2.0810E-004 * x + 0.0016
R = 0.9994
DL = 0.1727 ug/l
BEC = 7.594 ug/l

Weight: <None>
Min Conc: <None>

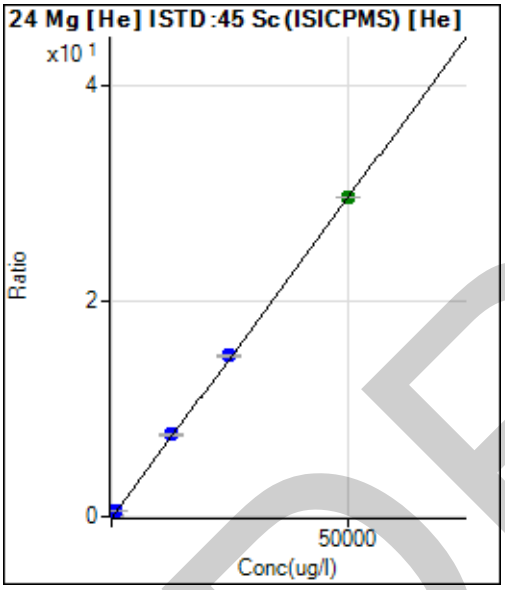
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	30813.86	0.6589	P	1.0	
2	☐	200.000	189.489	42939.03	0.9134	P	1.4	-5.3
3	☐	1000.000	980.027	91696.11	1.9750	P	1.2	-2.0
4	☐	12500.000	12664.915	824919.70	17.6671	A	1.6	1.3
5	☐	25000.000	25002.234	1586433.66	34.2353	A	0.4	0.0
6	☐	50000.000	49958.096	3163482.35	67.7494	A	0.7	-0.1

y = 0.0013 * x + 0.6589
R = 1.0000
DL = 14.75 ug/l
BEC = 490.7 ug/l

Weight: <None>
Min Conc: <None>

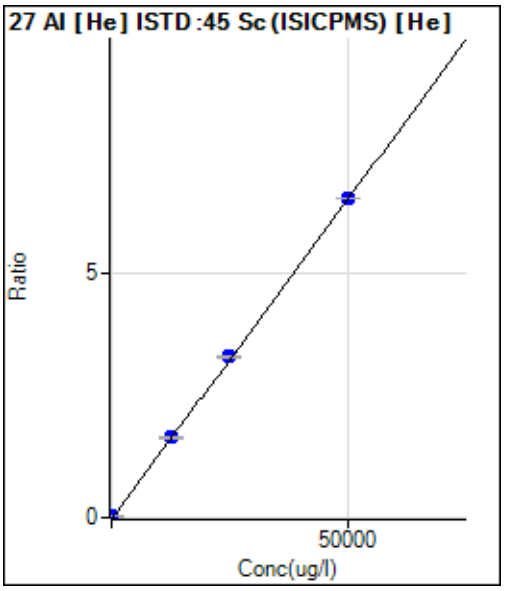


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	186.67	0.0040	P	14.0	
2	☐	200.000	202.526	5841.26	0.1243	P	1.1	1.3
3	☐	1000.000	998.070	27697.45	0.5967	P	2.1	-0.2
4	☐	12500.000	12759.083	353953.90	7.5804	P	1.4	2.1
5	☐	25000.000	25190.116	693287.08	14.9621	P	1.0	0.8
6	☐	50000.000	49840.200	1382121.10	29.5995	A	0.2	-0.3

y = 5.9381E-004 * x + 0.0040
R = 1.0000
DL = 2.822 ug/l
BEC = 6.721 ug/l

Weight: <None>
Min Conc: <None>

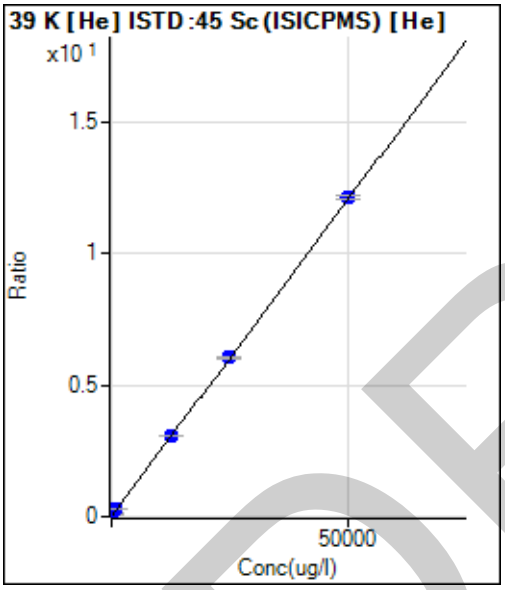
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	43.33	0.0009	P	22.4	
2	☐	40.000	38.810	282.23	0.0060	P	14.5	-3.0
3	☐	200.000	207.666	1303.40	0.0281	P	8.2	3.8
4	☐	12500.000	12558.441	76733.45	1.6434	P	1.6	0.5
5	☐	25000.000	25120.841	152305.91	3.2864	P	1.0	0.5
6	☐	50000.000	49924.940	304930.49	6.5304	P	0.4	-0.2

y = 1.3079E-004 * x + 9.2560E-004
R = 1.0000
DL = 4.764 ug/l
BEC = 7.077 ug/l

Weight: <None>
Min Conc: <None>

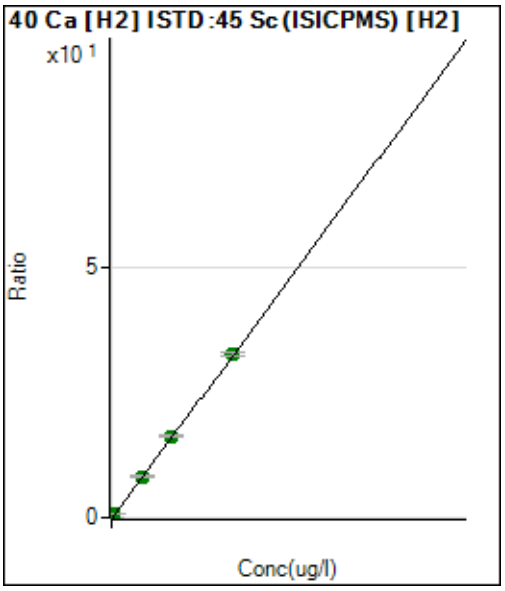


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3578.27	0.0765	P	2.7	
2	☐	200.000	197.999	5835.71	0.1241	P	0.8	-1.0
3	☐	1000.000	1003.934	14764.59	0.3179	P	0.6	0.4
4	☐	12500.000	12518.553	144145.51	3.0869	P	1.0	0.1
5	☐	25000.000	24774.814	279608.69	6.0343	P	1.7	-0.9
6	☐	50000.000	50107.884	566216.78	12.1263	P	0.8	0.2

y = 2.4048E-004 * x + 0.0765
R = 1.0000
DL = 26.12 ug/l
BEC = 318.2 ug/l

Weight: <None>
Min Conc: <None>

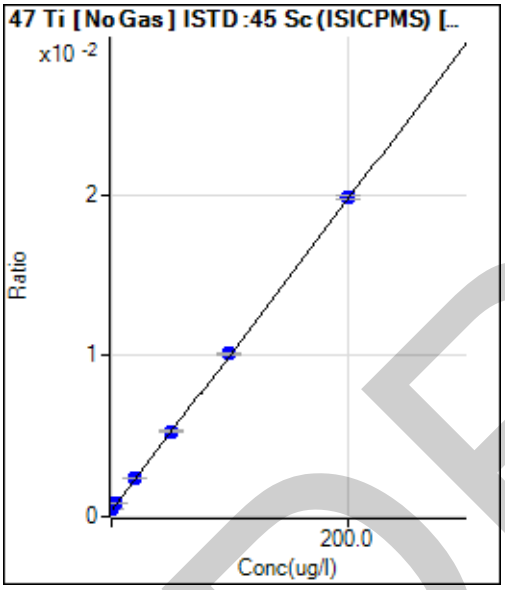
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	55326.82	0.0430	P	0.9	
2	☐	200.000	200.759	222611.66	0.1743	P	0.4	0.4
3	☐	1000.000	1008.088	890581.72	0.7023	A	1.8	0.8
4	☐	12500.000	12515.304	10458904.98	8.2280	A	2.0	0.1
5	☐	25000.000	25000.534	20828516.08	16.3933	A	1.2	0.0
6	☐	50000.000	49995.742	41431831.05	32.7402	A	1.7	0.0

y = 6.5400E-004 * x + 0.0430
R = 1.0000
DL = 1.847 ug/l
BEC = 65.73 ug/l

Weight: <None>
Min Conc: <None>

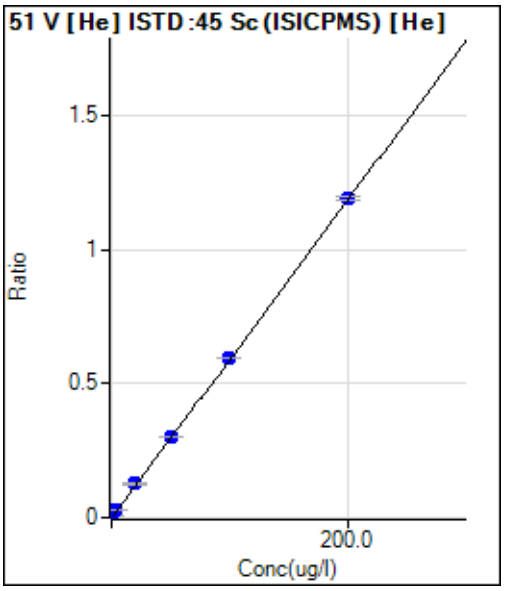


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2328.10	0.0005	P	3.6	
2	☐	4.000	4.108	4246.42	0.0009	P	1.9	2.7
3	☐	20.000	19.721	11628.74	0.0024	P	1.6	-1.4
4	☐	50.000	49.764	25529.11	0.0053	P	1.1	-0.5
5	☐	100.000	99.730	48770.66	0.0101	P	1.9	-0.3
6	☐	200.000	200.220	94514.92	0.0198	P	1.0	0.1

y = 9.6680E-005 * x + 4.8001E-004
R = 1.0000
DL = 0.5311 ug/l
BEC = 4.965 ug/l

Weight: <None>
Min Conc: <None>

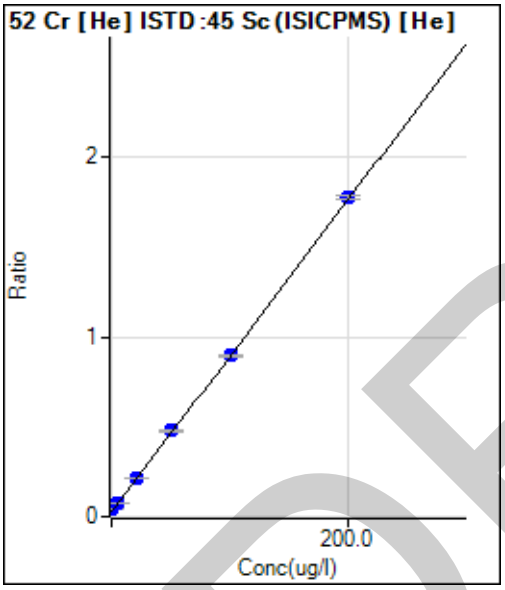
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	181.12	0.0039	P	9.0	
2	☐	4.000	4.139	1337.85	0.0285	P	1.7	3.5
3	☐	20.000	20.800	5914.64	0.1274	P	3.3	4.0
4	☐	50.000	50.528	14197.40	0.3040	P	0.6	1.1
5	☐	100.000	99.343	27526.50	0.5940	P	0.3	-0.7
6	☐	200.000	200.114	55688.11	1.1926	P	0.8	0.1

y = 0.0059 * x + 0.0039
R = 1.0000
DL = 0.1754 ug/l
BEC = 0.6521 ug/l

Weight: <None>
Min Conc: <None>

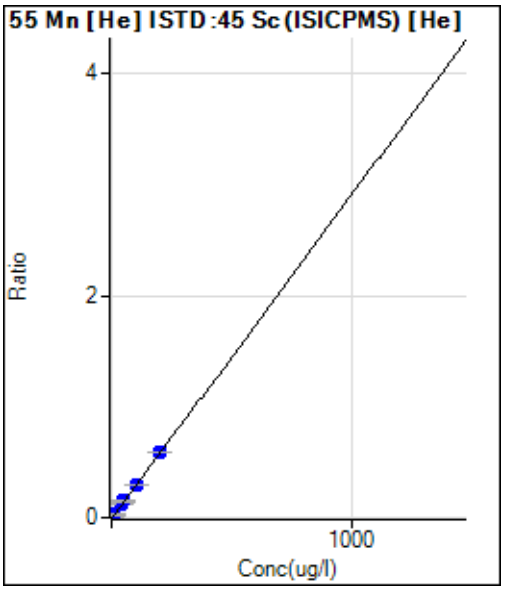


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1920.15	0.0411	P	4.3	
2	☐	4.000	4.034	3570.49	0.0760	P	2.3	0.9
3	☐	20.000	19.731	9826.90	0.2117	P	2.5	-1.3
4	☐	50.000	50.320	22240.28	0.4763	P	2.0	0.6
5	☐	100.000	98.703	41455.84	0.8947	P	1.1	-1.3
6	☐	200.000	200.595	82923.60	1.7759	P	1.7	0.3

y = 0.0086 * x + 0.0411
R = 1.0000
DL = 0.6075 ug/l
BEC = 4.748 ug/l

Weight: <None>
Min Conc: <None>

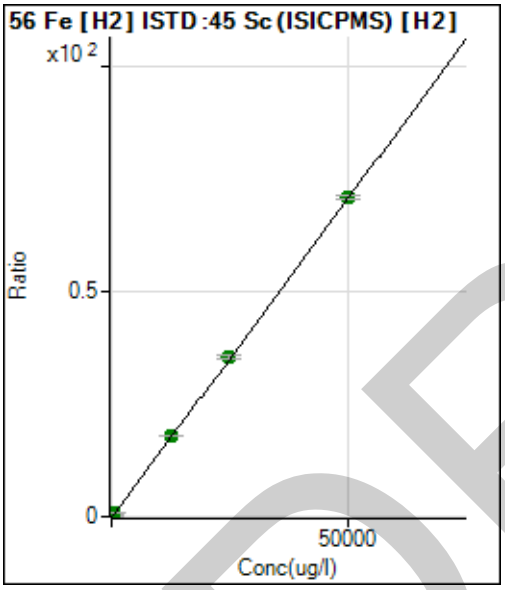
DRAFT



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	167.78	0.0036	P	13.3	
2	☐	8.000	7.857	1253.40	0.0267	P	9.2	-1.8
3	☐	40.000	39.812	5593.39	0.1205	P	2.6	-0.5
4	☐	50.000	49.580	6962.92	0.1492	P	3.6	-0.8
5	☐	100.000	101.325	13952.71	0.3011	P	0.6	1.3
6	☐	200.000	199.486	27515.44	0.5893	P	2.6	-0.3

y = 0.0029 * x + 0.0036
R = 1.0000
DL = 0.488 ug/l
BEC = 1.222 ug/l

Weight: <None>
Min Conc: <None>

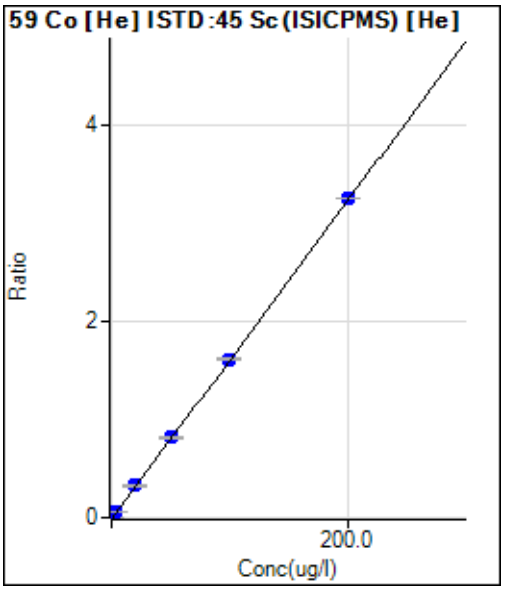


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	97078.88	0.0754	P	1.1	
2	☐	120.000	120.581	314973.30	0.2466	P	0.1	0.5
3	☐	600.000	602.292	1179930.04	0.9304	A	1.3	0.4
4	☐	12500.000	12560.887	22761232.16	17.9059	A	1.6	0.5
5	☐	25000.000	24999.647	45183272.10	35.5630	A	1.7	0.0
6	☐	50000.000	49984.926	89885910.88	71.0302	A	1.7	0.0

y = 0.0014 * x + 0.0754
R = 1.0000
DL = 1.792 ug/l
BEC = 53.13 ug/l

Weight: <None>
Min Conc: <None>

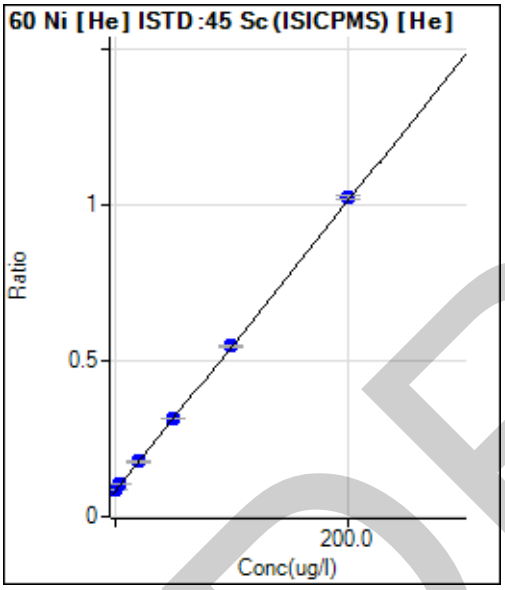
DRAFT



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	65.55	0.0014	P	38.8	
2	☐	4.000	3.929	3067.03	0.0652	P	1.5	-1.8
3	☐	20.000	19.942	15108.39	0.3254	P	1.4	-0.3
4	☐	50.000	50.207	38163.17	0.8172	P	1.3	0.4
5	☐	100.000	99.051	74639.09	1.6108	P	1.2	-0.9
6	☐	200.000	200.430	152137.57	3.2581	P	0.5	0.2

y = 0.0162 * x + 0.0014
R = 1.0000
DL = 0.1006 ug/l
BEC = 0.0863 ug/l

Weight: <None>
Min Conc: <None>

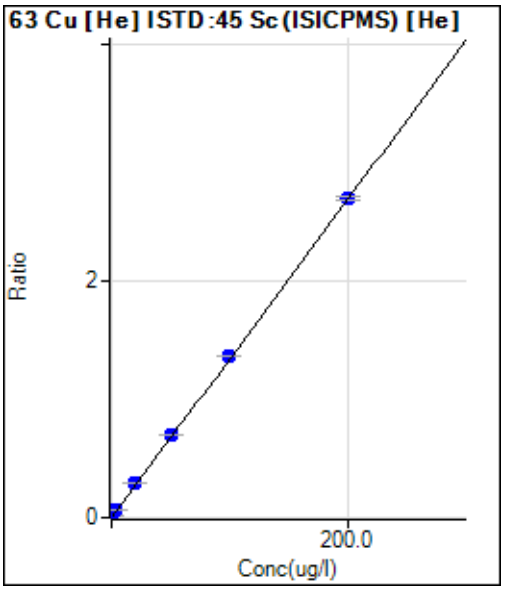


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3972.83	0.0850	P	2.1	
2	☐	4.000	3.853	4840.89	0.1030	P	1.7	-3.7
3	☐	20.000	19.812	8243.63	0.1776	P	2.7	-0.9
4	☐	50.000	49.274	14728.00	0.3154	P	0.7	-1.5
5	☐	100.000	98.825	25352.40	0.5470	P	0.8	-1.2
6	☐	200.000	200.791	47805.49	1.0238	P	0.8	0.4

y = 0.0047 * x + 0.0850
R = 1.0000
DL = 1.131 ug/l
BEC = 18.17 ug/l

Weight: <None>
Min Conc: <None>

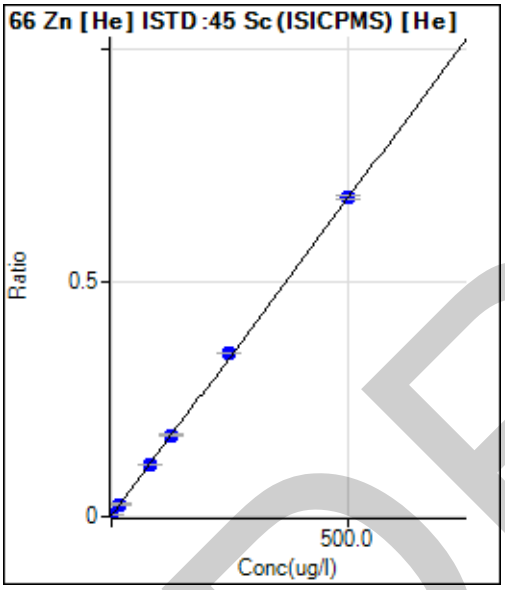
DRAFT



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	616.69	0.0132	P	1.0	
2	☐	4.000	4.027	3162.61	0.0673	P	2.1	0.7
3	☐	20.000	20.520	13407.76	0.2888	P	0.7	2.6
4	☐	50.000	50.850	32506.45	0.6961	P	0.7	1.7
5	☐	100.000	100.172	62953.45	1.3585	P	0.3	0.2
6	☐	200.000	199.649	125820.06	2.6945	P	0.9	-0.2

y = 0.0134 * x + 0.0132
R = 1.0000
DL = 0.03061 ug/l
BEC = 0.9819 ug/l

Weight: <None>
Min Conc: <None>

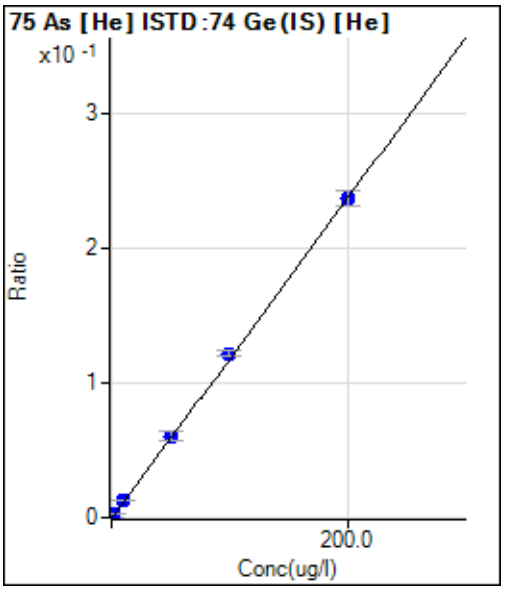


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	266.67	0.0057	P	3.5	
2	☐	16.000	15.347	1246.73	0.0265	P	4.9	-4.1
3	☐	80.000	77.412	5139.89	0.1107	P	2.6	-3.2
4	☐	125.000	123.949	8120.25	0.1739	P	1.6	-0.8
5	☐	250.000	253.503	16200.83	0.3496	P	1.1	1.4
6	☐	500.000	498.946	31875.03	0.6826	P	1.1	-0.2

y = 0.0014 * x + 0.0057
R = 0.9999
DL = 0.4463 ug/l
BEC = 4.203 ug/l

Weight: <None>
Min Conc: <None>

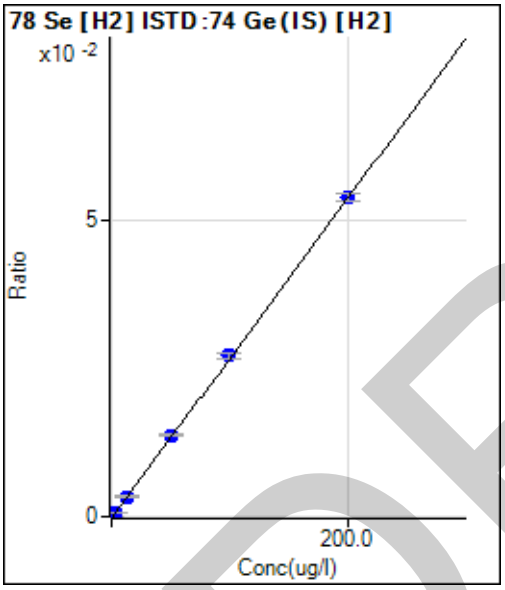
DRAFT



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	6.67	0.0002	P	50.3	
2	☐	2.000	2.267	81.11	0.0029	P	5.2	13.4
3	☐	10.000	10.663	345.56	0.0129	P	3.4	6.6
4	☐	50.000	50.604	1675.68	0.0605	P	11.7	1.2
5	☐	100.000	102.173	3341.54	0.1219	P	3.3	2.2
6	☐	200.000	198.727	6746.17	0.2369	P	4.8	-0.6

y = 0.0012 * x + 2.4499E-004
R = 0.9999
DL = 0.3107 ug/l
BEC = 0.2057 ug/l

Weight: <None>
Min Conc: <None>

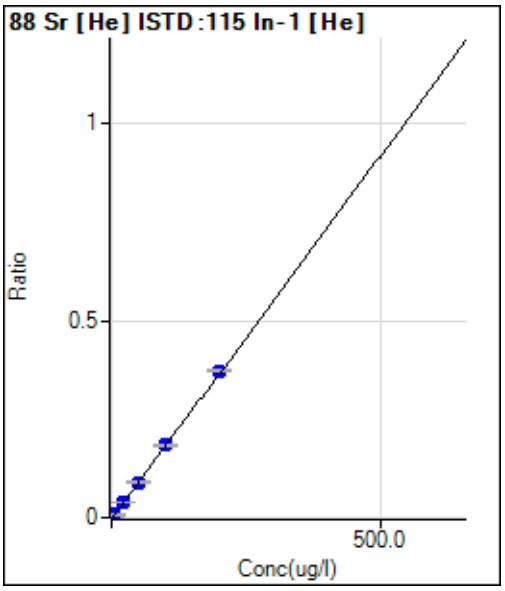


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	6.67	0.0000	P	50.0	
2	☐	2.500	2.640	170.00	0.0007	P	16.8	5.6
3	☐	12.500	12.143	756.70	0.0033	P	8.0	-2.9
4	☐	50.000	50.625	3182.62	0.0137	P	2.3	1.3
5	☐	100.000	100.533	6385.99	0.0272	P	2.8	0.5
6	☐	200.000	199.598	12759.43	0.0540	P	1.9	-0.2

y = 2.7048E-004 * x + 2.8834E-005
R = 1.0000
DL = 0.16 ug/l
BEC = 0.1066 ug/l

Weight: <None>
Min Conc: <None>

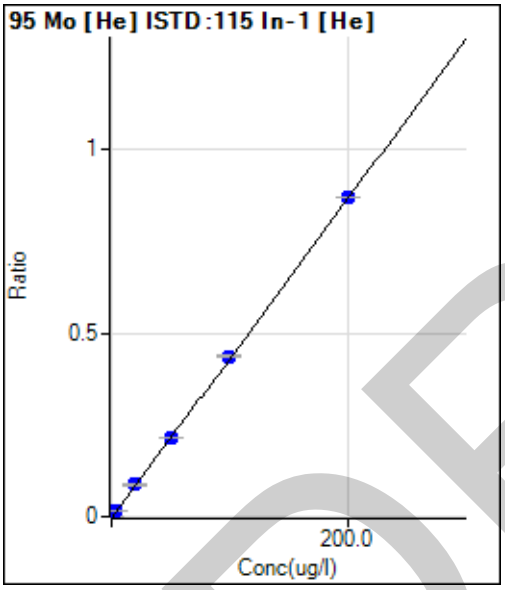
DRAFT



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	14.44	0.0002	P	57.1	
2	☐	4.000	3.856	451.12	0.0074	P	3.1	-3.6
3	☐	20.000	20.039	2243.54	0.0374	P	0.7	0.2
4	☐	50.000	48.087	5422.25	0.0893	P	3.3	-3.8
5	☐	100.000	99.227	10967.87	0.1841	P	1.5	-0.8
6	☐	200.000	200.864	22330.84	0.3725	P	1.3	0.4

y = 0.0019 * x + 2.3416E-004
R = 0.9999
DL = 0.2163 ug/l
BEC = 0.1264 ug/l

Weight: <None>
Min Conc: <None>

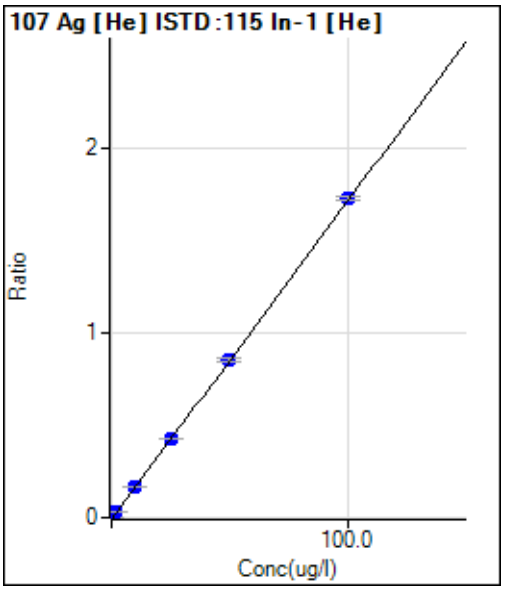


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	27.78	0.0005	P	37.4	
2	☐	4.000	3.917	1068.94	0.0175	P	1.8	-2.1
3	☐	20.000	20.095	5272.19	0.0879	P	6.9	0.5
4	☐	50.000	49.619	13127.62	0.2163	P	0.4	-0.8
5	☐	100.000	100.366	26038.73	0.4371	P	2.0	0.4
6	☐	200.000	199.904	52171.66	0.8702	P	0.3	0.0

y = 0.0044 * x + 4.5021E-004
R = 1.0000
DL = 0.1161 ug/l
BEC = 0.1035 ug/l

Weight: <None>
Min Conc: <None>

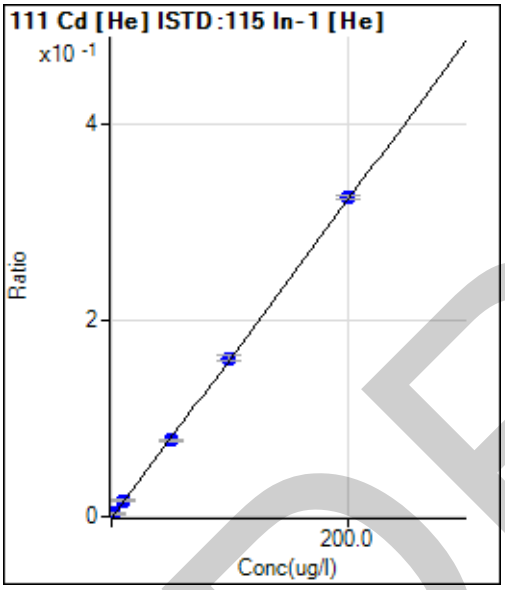
DRAFT



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	12.22	0.0002	P	31.0	
2	☐	2.000	1.948	2065.73	0.0338	P	5.1	-2.6
3	☐	10.000	9.810	10175.08	0.1695	P	1.8	-1.9
4	☐	25.000	24.670	25843.01	0.4259	P	0.8	-1.3
5	☐	50.000	49.536	50929.66	0.8549	P	1.4	-0.9
6	☐	100.000	100.335	103804.66	1.7315	P	0.6	0.3

y = 0.0173 * x + 1.9840E-004
R = 1.0000
DL = 0.01069 ug/l
BEC = 0.0115 ug/l

Weight: <None>
Min Conc: <None>

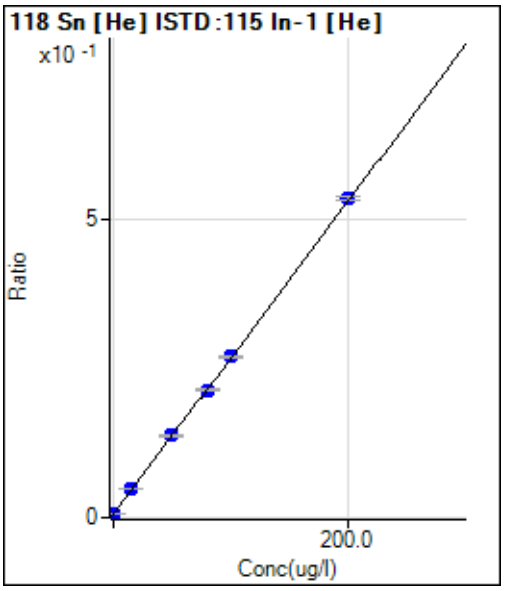


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	0.00	0.0000	P		
2	☐	2.000	1.876	185.56	0.0030	P	7.0	-6.2
3	☐	10.000	10.246	995.60	0.0166	P	2.9	2.5
4	☐	50.000	47.806	4694.20	0.0774	P	0.8	-4.4
5	☐	100.000	99.664	9606.87	0.1613	P	3.1	-0.3
6	☐	200.000	200.706	19469.96	0.3248	P	1.4	0.4

y = 0.0016 * x + 0.0000E+000
R = 0.9999
DL = 0 ug/l
BEC = 0 ug/l

Weight: <None>
Min Conc: <None>

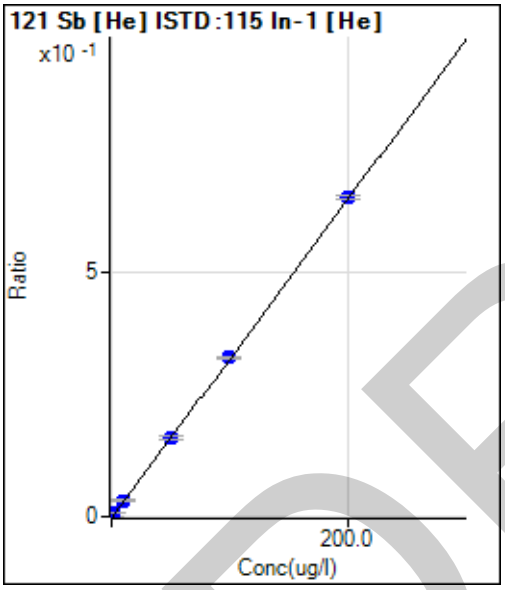
DRAFT



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	441.12	0.0072	P	2.0	
2	☐	16.000	15.857	2984.80	0.0488	P	3.1	-0.9
3	☐	80.000	78.711	12849.64	0.2141	P	1.7	-1.6
4	☐	50.000	49.423	8318.23	0.1371	P	2.0	-1.2
5	☐	100.000	99.817	16058.74	0.2696	P	0.8	-0.2
6	☐	200.000	200.763	32070.15	0.5349	P	0.9	0.4

y = 0.0026 * x + 0.0072
R = 1.0000
DL = 0.1648 ug/l
BEC = 2.726 ug/l

Weight: <None>
Min Conc: <None>

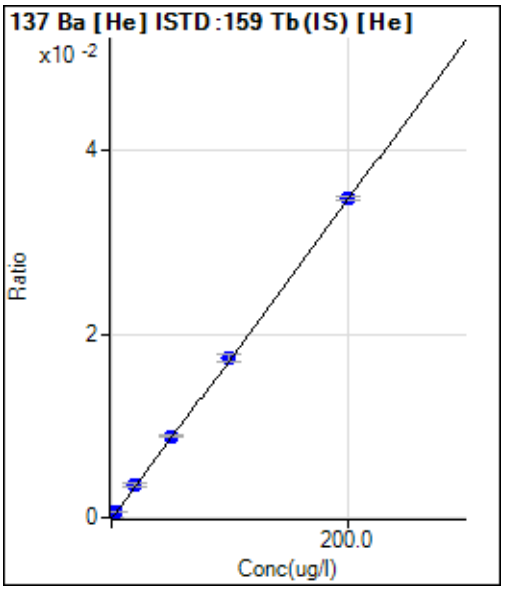


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	11.11	0.0002	P	75.0	
2	☐	2.000	1.971	404.45	0.0066	P	7.8	-1.5
3	☐	10.000	10.076	1987.94	0.0331	P	4.2	0.8
4	☐	50.000	49.329	9790.36	0.1613	P	3.6	-1.3
5	☐	100.000	99.777	19428.82	0.3262	P	1.5	-0.2
6	☐	200.000	200.276	39237.24	0.6545	P	1.2	0.1

y = 0.0033 * x + 1.8069E-004
R = 1.0000
DL = 0.1244 ug/l
BEC = 0.05531 ug/l

Weight: <None>
Min Conc: <None>

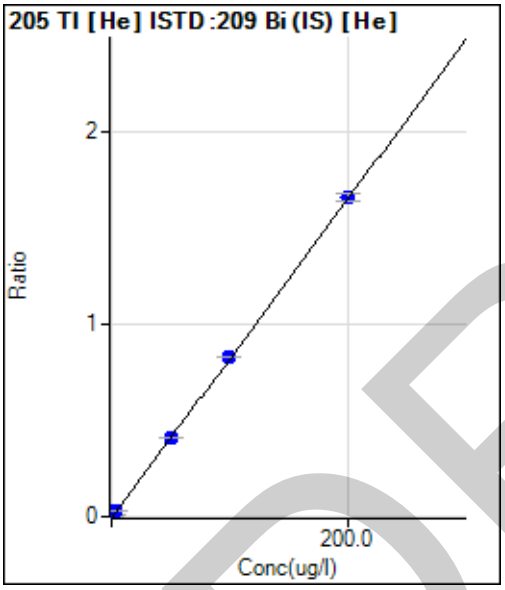
DRAFT



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.015	12.22	0.0000	P	57.2	
2	☐	4.000	3.585	222.23	0.0007	P	18.1	-10.4
3	☐	20.000	19.982	1177.84	0.0035	P	11.6	-0.1
4	☐	50.000	50.661	2971.47	0.0088	P	2.3	1.3
5	☐	100.000	99.824	5754.72	0.0174	P	4.8	-0.2
6	☐	200.000	199.933	11796.53	0.0348	P	1.5	0.0

y = 1.739335E-004 * x + 3.349993E-005
R = 1.0000
DL = 0.3569 ug/l
BEC = 0.1926 ug/l

Weight: <None>
Min Conc: <None>

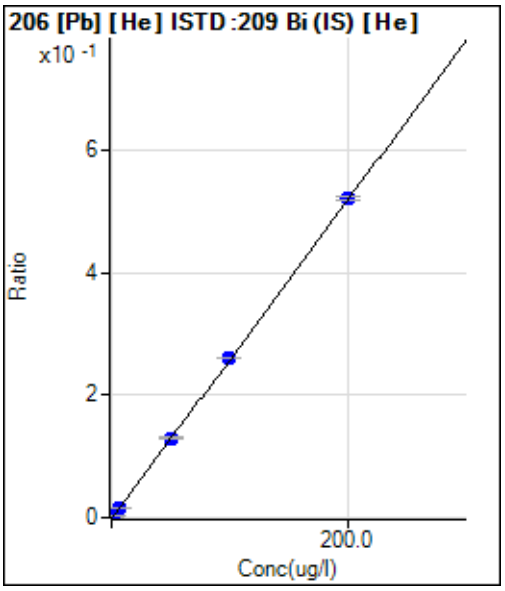


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	196.67	0.0008	P	6.0	
2	☐	0.800	0.837	1991.28	0.0077	P	2.7	4.7
3	☐	4.000	3.910	8522.95	0.0332	P	1.2	-2.2
4	☐	50.000	49.200	103117.14	0.4094	P	1.7	-1.6
5	☐	100.000	100.261	205427.72	0.8334	P	0.6	0.3
6	☐	200.000	200.071	409909.43	1.6623	P	2.2	0.0

y = 0.0083 * x + 7.6226E-004
R = 1.0000
DL = 0.01642 ug/l
BEC = 0.09179 ug/l

Weight: <None>
Min Conc: <None>

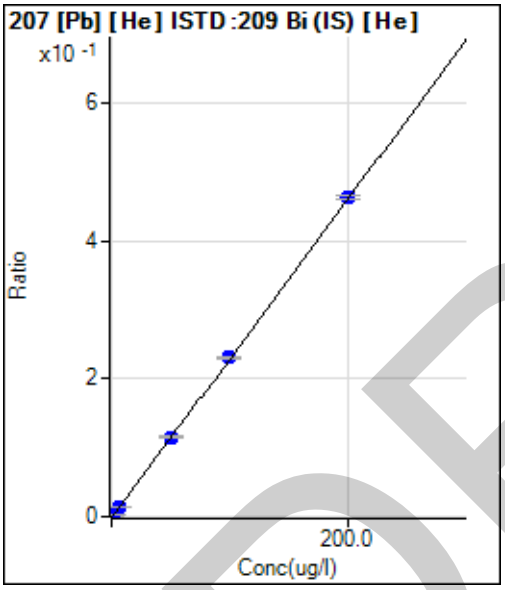
DRAFT



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	136.67	0.0005	P	14.6	
2	☐	1.200	1.176	926.71	0.0036	P	3.7	-2.0
3	☐	6.000	5.918	4087.36	0.0159	P	0.5	-1.4
4	☐	50.000	49.723	32751.87	0.1300	P	0.9	-0.6
5	☐	100.000	99.907	64254.57	0.2607	P	0.8	-0.1
6	☐	200.000	200.119	128642.00	0.5216	P	1.4	0.1

y = 0.0026 * x + 5.2968E-004
R = 1.0000
DL = 0.08929 ug/l
BEC = 0.2034 ug/l

Weight: <None>
Min Conc: <None>

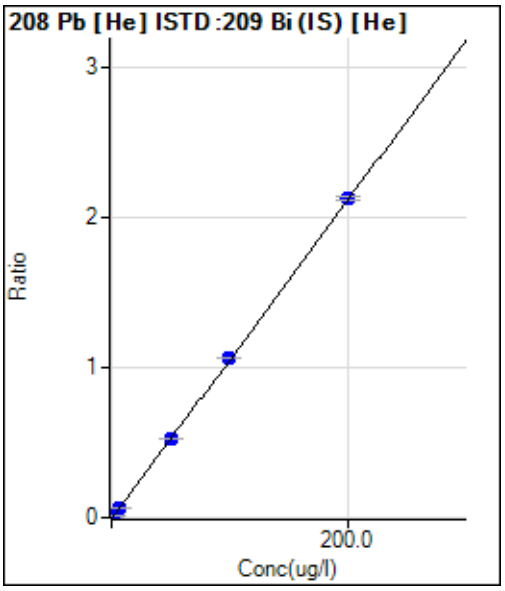


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	98.89	0.0004	P	14.1	
2	☐	1.200	1.223	828.92	0.0032	P	6.4	1.9
3	☐	6.000	5.841	3563.86	0.0139	P	0.8	-2.7
4	☐	50.000	49.856	29156.33	0.1157	P	1.8	-0.3
5	☐	100.000	99.517	56853.42	0.2307	P	0.3	-0.5
6	☐	200.000	200.282	114379.52	0.4638	P	1.4	0.1

y = 0.0023 * x + 3.8327E-004
R = 1.0000
DL = 0.06997 ug/l
BEC = 0.1656 ug/l

Weight: <None>
Min Conc: <None>

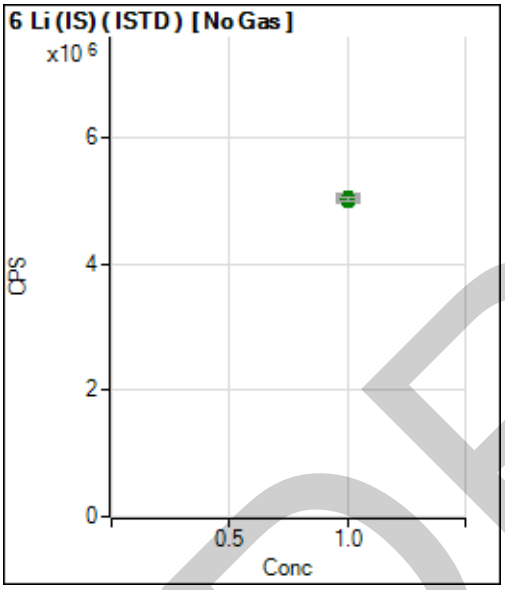
DRAFT



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	482.23	0.0019	P	8.0	
2	☐	1.200	1.176	3709.13	0.0144	P	2.4	-2.0
3	☐	6.000	5.987	16800.19	0.0655	P	1.4	-0.2
4	☐	50.000	49.694	133541.85	0.5301	P	0.8	-0.6
5	☐	100.000	99.841	262068.70	1.0632	P	0.3	-0.2
6	☐	200.000	200.157	525173.52	2.1296	P	1.3	0.1

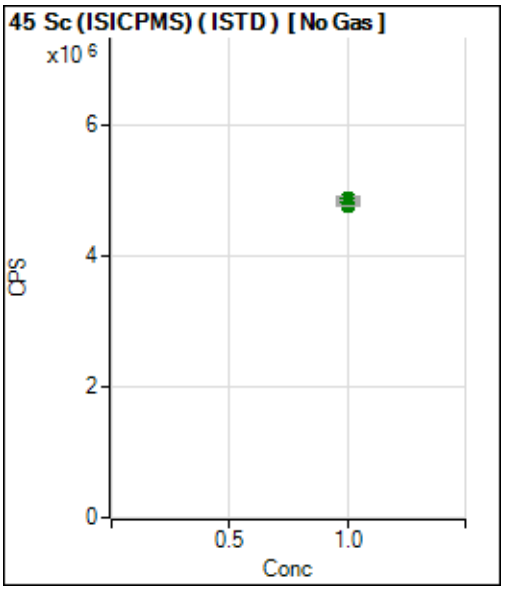
y = 0.0106 * x + 0.0019
R = 1.0000
DL = 0.04221 ug/l
BEC = 0.1758 ug/l

Weight: <None>
Min Conc: <None>

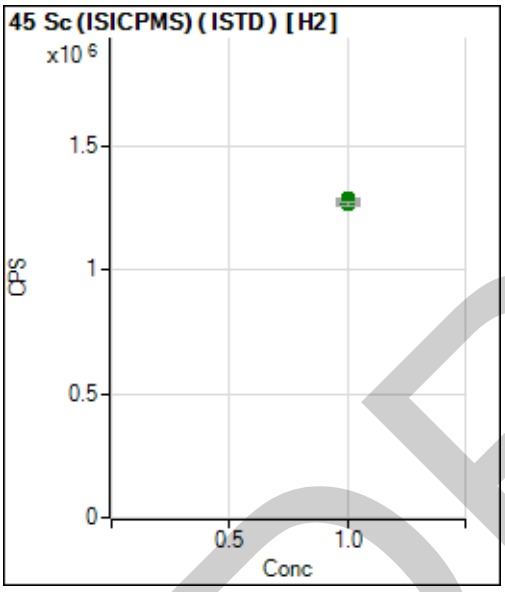


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		5048419.51		A	0.9	
2	☐	1.000		5056393.88		A	1.3	
3	☐	1.000		5059748.64		A	2.3	
4	☐	1.000		4994217.91		A	1.2	
5	☐	1.000		4998175.90		A	1.3	
6	☐	1.000		5023924.09		A	1.3	

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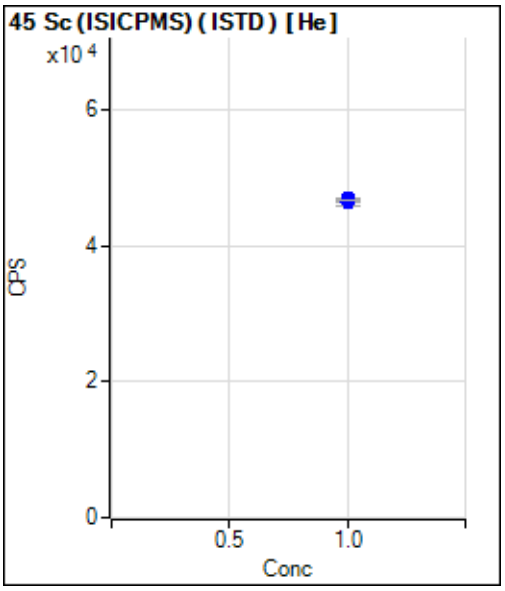


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		4850282.25		A	1.5	
2	☐	1.000		4840719.06		A	0.2	
3	☐	1.000		4872917.46		A	1.6	
4	☐	1.000		4825032.29		A	0.5	
5	☐	1.000		4819168.64		A	1.4	
6	☐	1.000		4764500.90		A	0.2	

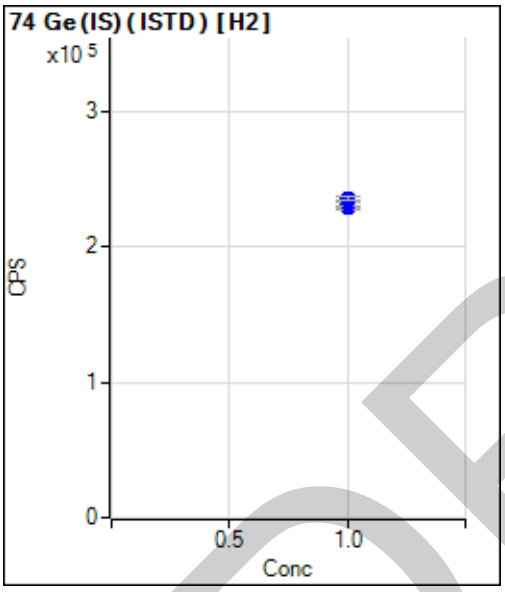


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		1287080.72		A	0.5	
2	☐	1.000		1277315.87		A	0.5	
3	☐	1.000		1268398.71		A	1.7	
4	☐	1.000		1271257.92		A	0.7	
5	☐	1.000		1270658.84		A	1.2	
6	☐	1.000		1265633.72		A	1.2	

DRAFT

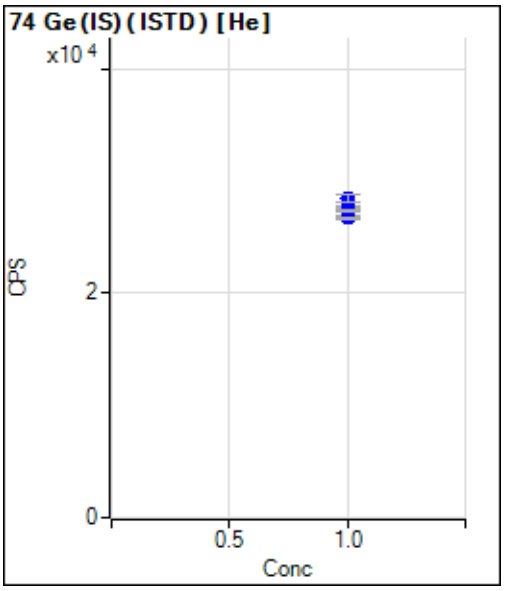


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		46765.74		P	0.7	
2	☐	1.000		47009.94		P	0.4	
3	☐	1.000		46434.68		P	2.1	
4	☐	1.000		46700.09		P	1.6	
5	☐	1.000		46341.06		P	1.5	
6	☐	1.000		46694.35		P	0.4	

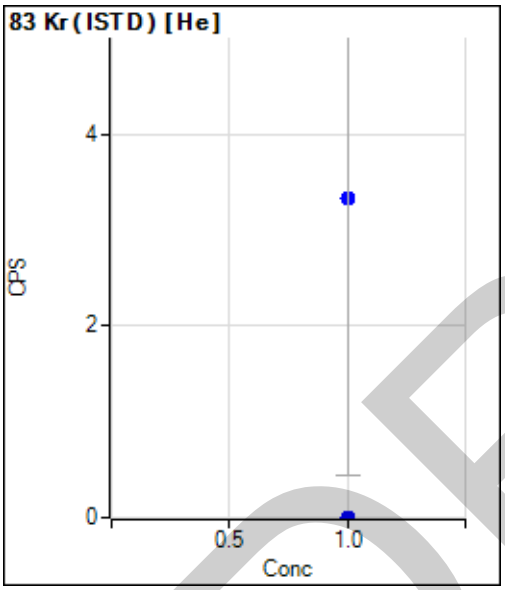


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		231216.74		P	0.0	
2	☐	1.000		228853.66		P	0.2	
3	☐	1.000		228424.82		P	1.0	
4	☐	1.000		231970.78		P	1.0	
5	☐	1.000		234609.37		P	0.3	
6	☐	1.000		236238.36		P	1.0	

DRAFT

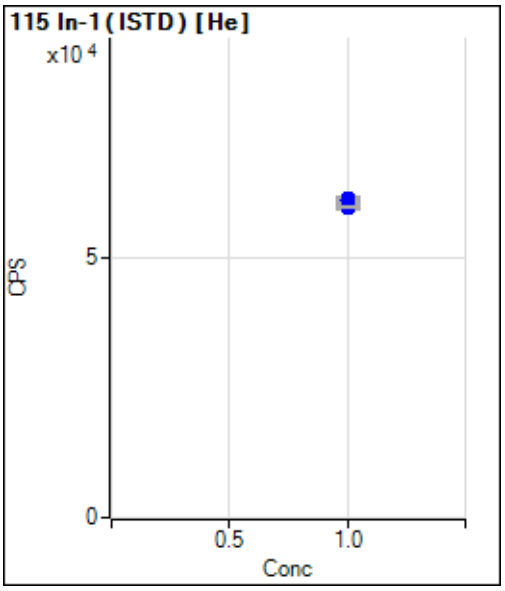


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		27321.82		P	2.4	
2	☐	1.000		27529.17		P	1.2	
3	☐	1.000		26693.68		P	1.1	
4	☐	1.000		27686.33		P	0.3	
5	☐	1.000		27408.91		P	1.0	
6	☐	1.000		28492.04		P	2.7	

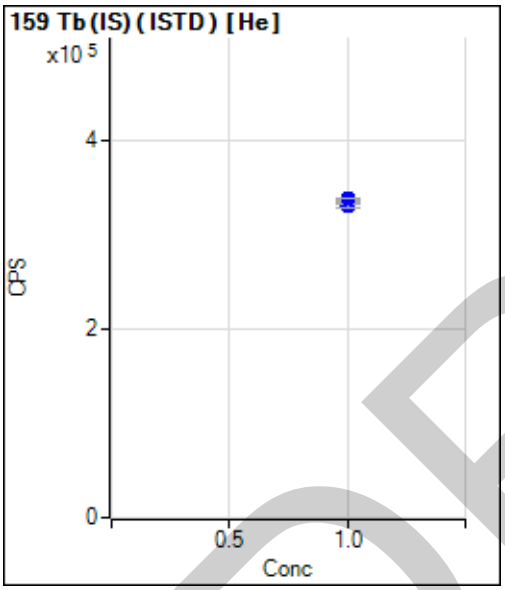


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		0.00		P		
2	☐	1.000		0.00		P		
3	☐	1.000		3.34		P	173.2	
4	☐	1.000		0.00		P		
5	☐	1.000		0.00		P		
6	☐	1.000		0.00		P		

DRAFT

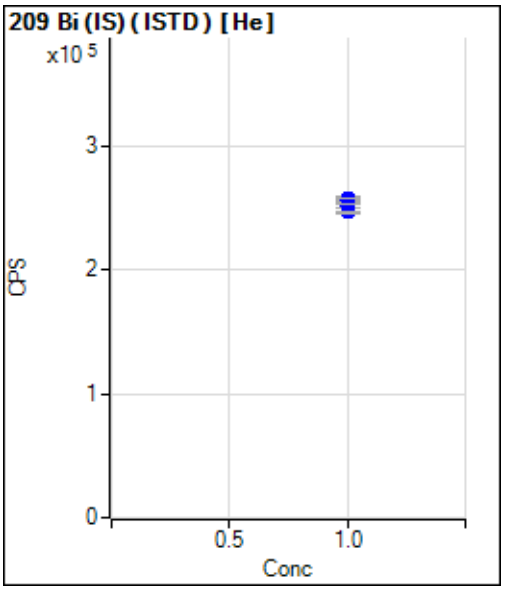


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		61558.46		P	1.7	
2	☐	1.000		61107.79		P	1.0	
3	☐	1.000		60032.69		P	1.8	
4	☐	1.000		60681.88		P	0.8	
5	☐	1.000		59573.75		P	0.9	
6	☐	1.000		59952.60		P	0.7	



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		338695.96		P	0.5	
2	☐	1.000		337985.67		P	0.9	
3	☐	1.000		335683.91		P	0.7	
4	☐	1.000		335925.14		P	0.3	
5	☐	1.000		330727.27		P	0.7	
6	☐	1.000		338881.60		P	0.5	

DRAFT



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		258024.89		P	0.2	
2	☐	1.000		258132.34		P	1.6	
3	☐	1.000		256417.98		P	0.8	
4	☐	1.000		251909.71		P	0.7	
5	☐	1.000		246487.55		P	1.0	
6	☐	1.000		246627.11		P	0.9	

DRAFT

Sample Report

File Name 001SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924.b

Acq Time 2024-07-09 09:59:29

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas		ug/l		2000	
B	11	6	No Gas		ug/l		2000	
Na	23	45	He		ug/l		500000	
Mg	24	45	He		ug/l		500000	
Al	27	45	He		ug/l		500000	
K	39	45	He		ug/l		500000	
Ca	40	45	H2		ug/l		1000000	
Ti	47	45	No Gas		ug/l		10000	
V	51	45	He		ug/l		5000	
Cr	52	45	He		ug/l		20000	
Mn	55	45	He		ug/l		20000	
Fe	56	45	H2		ug/l		500000	
Co	59	45	He		ug/l		2000	
Ni	60	45	He		ug/l		20000	
Cu	63	45	He		ug/l		20000	
Zn	66	45	He		ug/l		20000	
As	75	45	He		ug/l		5000	
Se	78	45	H2		ug/l		3000	
Sr	88	115	He		ug/l		5000	
Mo	95	115	He		ug/l		2000	
Ag	107	115	He		ug/l		1000	
Cd	111	115	He		ug/l		5000	
Sn	118	115	He		ug/l		2000	
Sb	121	115	He		ug/l		1000	
Ba	137	159	He		ug/l		20000	
Tl	205	209	He		ug/l		1000	
[Pb]	206	209	He		ug/l			
[Pb]	207	209	He		ug/l			
Pb	208	209	He		ug/l		20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	42553.33	0.7		60	125	
Sc (ISICPMS)	45	No Gas	9036.31	1.3		60	125	
Sc (ISICPMS)	45	H2	2323.55	1.2		60	125	
Sc (ISICPMS)	45	He	36471.95	151.0		60	125	
Ge (IS)	74	H2	13354.44	2.2		60	125	
Ge (IS)	74	He	20092.11	138.4		60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	71418.31	58.9		60	125	
Tb (IS)	159	He	262857.06	145.9		60	125	
Bi (IS)	209	He	234145.92	145.0		60	125	

DRAFT

Sample Report

File Name 002SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924.b

Acq Time 2024-07-09 10:01:58

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas		ug/l		2000	
B	11	6	No Gas		ug/l		2000	
Na	23	45	He		ug/l		500000	
Mg	24	45	He		ug/l		500000	
Al	27	45	He		ug/l		500000	
K	39	45	He		ug/l		500000	
Ca	40	45	H2		ug/l		1000000	
Ti	47	45	No Gas		ug/l		10000	
V	51	45	He		ug/l		5000	
Cr	52	45	He		ug/l		20000	
Mn	55	45	He		ug/l		20000	
Fe	56	45	H2		ug/l		500000	
Co	59	45	He		ug/l		2000	
Ni	60	45	He		ug/l		20000	
Cu	63	45	He		ug/l		20000	
Zn	66	45	He		ug/l		20000	
As	75	45	He		ug/l		5000	
Se	78	45	H2		ug/l		3000	
Sr	88	115	He		ug/l		5000	
Mo	95	115	He		ug/l		2000	
Ag	107	115	He		ug/l		1000	
Cd	111	115	He		ug/l		5000	
Sn	118	115	He		ug/l		2000	
Sb	121	115	He		ug/l		1000	
Ba	137	159	He		ug/l		20000	
Tl	205	209	He		ug/l		1000	
[Pb]	206	209	He		ug/l			
[Pb]	207	209	He		ug/l			
Pb	208	209	He		ug/l		20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9195747.43	1.4		60	125	
Sc (ISICPMS)	45	No Gas	6849461.91	0.7		60	125	
Sc (ISICPMS)	45	H2	2681370.62	0.3		60	125	
Sc (ISICPMS)	45	He	106903.11	0.9		60	125	
Ge (IS)	74	H2	493759.07	0.8		60	125	
Ge (IS)	74	He	55057.06	0.9		60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	124493.58	1.7		60	125	
Tb (IS)	159	He	731963.89	1.4		60	125	
Bi (IS)	209	He	649750.97	0.6		60	125	

DRAFT

Sample Report

File Name 003SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924.b

Acq Time 2024-07-09 10:04:29

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas		ug/l		2000	
B	11	6	No Gas		ug/l		2000	
Na	23	45	He		ug/l		500000	
Mg	24	45	He		ug/l		500000	
Al	27	45	He		ug/l		500000	
K	39	45	He		ug/l		500000	
Ca	40	45	H2		ug/l		1000000	
Ti	47	45	No Gas		ug/l		10000	
V	51	45	He		ug/l		5000	
Cr	52	45	He		ug/l		20000	
Mn	55	45	He		ug/l		20000	
Fe	56	45	H2		ug/l		500000	
Co	59	45	He		ug/l		2000	
Ni	60	45	He		ug/l		20000	
Cu	63	45	He		ug/l		20000	
Zn	66	45	He		ug/l		20000	
As	75	45	He		ug/l		5000	
Se	78	45	H2		ug/l		3000	
Sr	88	115	He		ug/l		5000	
Mo	95	115	He		ug/l		2000	
Ag	107	115	He		ug/l		1000	
Cd	111	115	He		ug/l		5000	
Sn	118	115	He		ug/l		2000	
Sb	121	115	He		ug/l		1000	
Ba	137	159	He		ug/l		20000	
Tl	205	209	He		ug/l		1000	
[Pb]	206	209	He		ug/l			
[Pb]	207	209	He		ug/l			
Pb	208	209	He		ug/l		20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9363879.45	0.8		60	125	
Sc (ISICPMS)	45	No Gas	6906667.12	0.5		60	125	
Sc (ISICPMS)	45	H2	2723934.23	0.5		60	125	
Sc (ISICPMS)	45	He	107991.73	1.4		60	125	
Ge (IS)	74	H2	501432.26	1.3		60	125	
Ge (IS)	74	He	55022.46	1.6		60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	123895.66	1.0		60	125	
Tb (IS)	159	He	732957.67	1.0		60	125	
Bi (IS)	209	He	651770.29	1.4		60	125	

DRAFT

Calibration Blank

File Name 004CALB.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924.b

Acq Time 2024-07-09 10:06:58

Sample Name **IC CAL-Blk**

Comment ---

Dilution 1.0000

Full Quant Table 1101

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	6	No Gas	31.11	30.9
B	11	6	No Gas	15355.17	0.3
Na	23	45	He	63523.11	1.1
Mg	24	45	He	265.56	16.4
Al	27	45	He	82.22	19.2
K	39	45	He	8561.59	1.2
Ca	40	45	H2	89024.92	1.0
Ti	47	45	No Gas	5327.74	3.3
V	51	45	He	825.59	0.6
Cr	52	45	He	3647.17	3.4
Mn	55	45	He	104.45	47.0
Fe	56	45	H2	91472.35	1.4
Co	59	45	He	88.89	24.4
Ni	60	45	He	583.35	6.4
Cu	63	45	He	805.59	10.3
Zn	66	45	He	465.57	3.5
As	75	45	He	12.22	41.7
Se	78	45	H2	5.56	91.6
Sr	88	115	He	14.44	35.3
Mo	95	115	He	48.89	23.9
Ag	107	115	He	13.33	25.0
Cd	111	115	He	0.00	N/A
Sn	118	115	He	573.35	15.2
Sb	121	115	He	40.00	16.7
Ba	137	159	He	12.22	41.7
Tl	205	209	He	1248.96	10.1
[Pb]	206	209	He	222.23	9.0
[Pb]	207	209	He	205.56	16.3
Pb	208	209	He	885.57	6.2

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %
Li (IS)	6	No Gas	9189226.74	0.6	100.0
Sc (ISICPMS)	45	No Gas	6870694.20	0.5	100.0
Sc (ISICPMS)	45	H2	2677074.89	1.0	100.0
Sc (ISICPMS)	45	He	107407.44	0.4	100.0
Ge (IS)	74	H2	505224.88	1.1	100.0
Ge (IS)	74	He	55398.42	0.6	100.0
Kr	83	He	3.34	173.2	100.0

DRAFT

Calibration Blank

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %
In-1	115	He	125840.25	0.6	100.0
Tb (IS)	159	He	741731.67	1.1	100.0
Bi (IS)	209	He	659259.47	0.7	100.0

DRAFT

Calibration Standard

File Name 005CALS.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924.b

Acq Time 2024-07-09 10:09:57

Sample Name **IC CAL1**

Comment ---

Dilution 1.0000

Vial # 1102

FullQuant Table

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	6	No Gas	2388.00	3.7
B	11	6	No Gas	181111.39	0.8
Na	23	45	He	92618.69	0.6
Mg	24	45	He	14245.13	1.3
Al	27	45	He	836.70	4.0
K	39	45	He	13921.45	1.7
Ca	40	45	H2	459631.65	0.6
Ti	47	45	No Gas	8026.86	1.1
V	51	45	He	3110.37	2.9
Cr	52	45	He	6891.77	1.8
Mn	55	45	He	2503.58	1.1
Fe	56	45	H2	549349.33	0.2
Co	59	45	He	6038.04	2.9
Ni	60	45	He	2269.10	1.0
Cu	63	45	He	5767.93	3.7
Zn	66	45	He	2661.39	2.6
As	75	45	He	144.45	5.3
Se	78	45	H2	362.23	6.8
Sr	88	115	He	916.70	2.4
Mo	95	115	He	1932.38	1.9
Ag	107	115	He	3908.39	1.0
Cd	111	115	He	417.79	5.1
Sn	118	115	He	5819.11	4.3
Sb	121	115	He	856.70	8.7
Ba	137	159	He	485.57	16.4
Tl	205	209	He	5047.74	6.4
[Pb]	206	209	He	2151.31	2.8
[Pb]	207	209	He	1804.59	5.4
Pb	208	209	He	8700.18	1.3

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9251099.72	1.1	100.7	60	125	
Sc (ISICPMS)	45	No Gas	6892824.83	0.5	100.3	60	125	
Sc (ISICPMS)	45	H2	2668245.41	0.2	99.7	60	125	
Sc (ISICPMS)	45	He	107001.43	0.6	99.6	60	125	
Ge (IS)	74	H2	499300.54	1.0	98.8	60	125	

DRAFT

Calibration Standard

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Ge (IS)	74	He	55620.29	1.4	100.4	60	125	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	125232.99	1.4	99.5	60	125	
Tb (IS)	159	He	736992.08	0.9	99.4	60	125	
Bi (IS)	209	He	658669.99	0.3	99.9	60	125	

DRAFT

Calibration Standard

File Name 006CALS.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924.b

Acq Time 2024-07-09 10:12:38

Sample Name **IC CAL2**

Comment ---

Dilution 1.0000

Vial # 1103

FullQuant Table

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	6	No Gas	11829.47	2.1
B	11	6	No Gas	843032.63	1.3
Na	23	45	He	204048.21	0.5
Mg	24	45	He	68867.96	0.9
Al	27	45	He	3694.96	4.2
K	39	45	He	34510.45	1.6
Ca	40	45	H2	1911416.41	0.5
Ti	47	45	No Gas	18482.53	2.5
V	51	45	He	11986.40	1.1
Cr	52	45	He	19479.43	1.7
Mn	55	45	He	11648.34	0.2
Fe	56	45	H2	2342151.56	0.6
Co	59	45	He	29603.20	0.5
Ni	60	45	He	8899.63	3.1
Cu	63	45	He	24863.85	1.9
Zn	66	45	He	11873.00	0.7
As	75	45	He	756.69	6.9
Se	78	45	H2	1485.65	4.9
Sr	88	115	He	4630.84	1.8
Mo	95	115	He	9303.30	0.6
Ag	107	115	He	19345.35	0.7
Cd	111	115	He	2016.83	4.2
Sn	118	115	He	26270.89	1.5
Sb	121	115	He	4258.50	1.8
Ba	137	159	He	2315.78	1.6
Tl	205	209	He	20581.60	2.2
[Pb]	206	209	He	9801.71	2.0
[Pb]	207	209	He	8647.51	1.1
Pb	208	209	He	39730.87	1.9

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9290062.22	0.8	101.1	60	125	
Sc (ISICPMS)	45	No Gas	6832220.94	1.0	99.4	60	125	
Sc (ISICPMS)	45	H2	2643404.99	1.1	98.7	60	125	
Sc (ISICPMS)	45	He	104937.12	0.6	97.7	60	125	
Ge (IS)	74	H2	493901.05	0.9	97.8	60	125	

DRAFT

Calibration Standard

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Ge (IS)	74	He	54453.48	1.3	98.3	60	125	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	123066.95	1.6	97.8	60	125	
Tb (IS)	159	He	733099.48	0.4	98.8	60	125	
Bi (IS)	209	He	651272.63	1.3	98.8	60	125	

DRAFT

Calibration Standard

File Name 007CALS.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924.b

Acq Time 2024-07-09 10:15:20

Sample Name **IC CAL3**

Comment ---

Dilution 1.0000

Vial # 1104

FullQuant Table

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	6	No Gas	150338.54	1.0
B	11	6	No Gas	293834.01	0.5
Na	23	45	He	1863327.75	0.4
Mg	24	45	He	877429.79	0.9
Al	27	45	He	229352.48	0.5
K	39	45	He	342353.89	0.9
Ca	40	45	H2	22822579.38	0.8
Ti	47	45	No Gas	39066.80	1.6
V	51	45	He	29639.81	0.5
Cr	52	45	He	44438.37	1.6
Mn	55	45	He	15191.86	1.2
Fe	56	45	H2	47170437.63	0.7
Co	59	45	He	75581.66	0.7
Ni	60	45	He	21987.81	1.2
Cu	63	45	He	63001.88	0.9
Zn	66	45	He	18689.48	1.4
As	75	45	He	3662.74	1.7
Se	78	45	H2	6657.23	2.4
Sr	88	115	He	11550.60	1.3
Mo	95	115	He	23610.97	1.7
Ag	107	115	He	49412.24	0.6
Cd	111	115	He	10480.89	1.1
Sn	118	115	He	16847.58	1.5
Sb	121	115	He	21672.34	1.5
Ba	137	159	He	6024.78	1.5
Tl	205	209	He	252091.29	1.0
[Pb]	206	209	He	79882.86	1.4
[Pb]	207	209	He	70620.77	0.6
Pb	208	209	He	324973.49	1.2

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9409551.53	0.7	102.4	60	125	
Sc (ISICPMS)	45	No Gas	6934224.20	0.8	100.9	60	125	
Sc (ISICPMS)	45	H2	2684258.95	0.5	100.3	60	125	
Sc (ISICPMS)	45	He	107592.86	0.5	100.2	60	125	
Ge (IS)	74	H2	509972.01	0.8	100.9	60	125	

DRAFT

Calibration Standard

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Ge (IS)	74	He	56810.86	0.9	102.5	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	126214.13	1.4	100.3	60	125	
Tb (IS)	159	He	742824.42	0.8	100.1	60	125	
Bi (IS)	209	He	652219.53	0.2	98.9	60	125	

DRAFT

Calibration Standard

File Name 008CALS.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924.b

Acq Time 2024-07-09 10:18:00

Sample Name **IC CAL4**

Comment ---

Dilution 1.0000

Vial # 1105

FullQuant Table

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	6	No Gas	306871.57	0.4
B	11	6	No Gas	565433.12	0.4
Na	23	45	He	3674829.98	0.6
Mg	24	45	He	1770727.16	0.7
Al	27	45	He	464887.94	0.4
K	39	45	He	684147.85	0.6
Ca	40	45	H2	46456853.20	1.0
Ti	47	45	No Gas	73195.13	0.7
V	51	45	He	58876.89	0.9
Cr	52	45	He	87162.11	1.2
Mn	55	45	He	31203.44	0.7
Fe	56	45	H2	95381170.80	0.4
Co	59	45	He	152681.52	0.7
Ni	60	45	He	44382.03	1.6
Cu	63	45	He	124698.34	0.2
Zn	66	45	He	37719.82	0.6
As	75	45	He	7469.87	1.0
Se	78	45	H2	13248.77	0.7
Sr	88	115	He	23635.34	1.1
Mo	95	115	He	47477.63	1.4
Ag	107	115	He	98016.18	0.7
Cd	111	115	He	20963.36	3.3
Sn	118	115	He	33439.25	0.6
Sb	121	115	He	43632.13	2.3
Ba	137	159	He	12195.78	1.7
Tl	205	209	He	502297.30	1.1
[Pb]	206	209	He	159662.84	0.8
[Pb]	207	209	He	141152.33	2.4
Pb	208	209	He	648567.66	1.2

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9503492.98	2.3	103.4	60	125	
Sc (ISICPMS)	45	No Gas	7076564.90	0.9	103.0	60	125	
Sc (ISICPMS)	45	H2	2702853.64	0.6	101.0	60	125	
Sc (ISICPMS)	45	He	111242.12	1.3	103.6	60	125	
Ge (IS)	74	H2	516819.31	0.2	102.3	60	125	

DRAFT

Calibration Standard

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Ge (IS)	74	He	57621.84	1.1	104.0	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	125444.84	0.3	99.7	60	125	
Tb (IS)	159	He	754193.52	0.7	101.7	60	125	
Bi (IS)	209	He	648793.62	0.7	98.4	60	125	

DRAFT

Calibration Standard

File Name 009CALS.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924.b

Acq Time 2024-07-09 10:20:40

Sample Name **IC CAL5**

Comment ---

Dilution 1.0000

Vial # 1106

FullQuant Table

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	6	No Gas	624952.44	1.0
B	11	6	No Gas	1110984.83	1.3
Na	23	45	He	7259011.21	0.9
Mg	24	45	He	3507446.06	1.2
Al	27	45	He	904202.72	0.8
K	39	45	He	1337895.31	0.5
Ca	40	45	H2	92229487.51	1.6
Ti	47	45	No Gas	141475.52	0.5
V	51	45	He	116966.17	1.2
Cr	52	45	He	168875.24	1.0
Mn	55	45	He	60841.38	0.4
Fe	56	45	H2	188641210.52	0.7
Co	59	45	He	303155.41	0.9
Ni	60	45	He	87033.62	1.2
Cu	63	45	He	245644.50	1.0
Zn	66	45	He	73828.58	1.8
As	75	45	He	15149.60	0.8
Se	78	45	H2	25874.87	2.0
Sr	88	115	He	46947.53	1.6
Mo	95	115	He	94880.35	1.1
Ag	107	115	He	193481.67	0.2
Cd	111	115	He	41214.19	0.4
Sn	118	115	He	66428.78	1.1
Sb	121	115	He	87167.87	1.5
Ba	137	159	He	24303.81	2.1
Tl	205	209	He	1006732.84	1.0
[Pb]	206	209	He	314865.03	0.7
[Pb]	207	209	He	280676.66	1.4
Pb	208	209	He	1283032.68	1.3

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9519948.68	0.6	103.6	60	125	
Sc (ISICPMS)	45	No Gas	7076456.84	1.1	103.0	60	125	
Sc (ISICPMS)	45	H2	2750416.87	1.0	102.7	60	125	
Sc (ISICPMS)	45	He	110533.02	0.3	102.9	60	125	
Ge (IS)	74	H2	530122.62	1.2	104.9	60	125	

DRAFT

Calibration Standard

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Ge (IS)	74	He	58733.39	0.4	106.0	60	125	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	124006.29	0.5	98.5	60	125	
Tb (IS)	159	He	745131.61	0.7	100.5	60	125	
Bi (IS)	209	He	638485.67	0.8	96.8	60	125	

DRAFT

Sample Report

File Name 001SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 10:53:51

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas		ug/l		2000	
B	11	6	No Gas		ug/l		2000	
Na	23	45	He		ug/l		500000	
Mg	24	45	He		ug/l		500000	
Al	27	45	He		ug/l		500000	
K	39	45	He		ug/l		500000	
Ca	40	45	H2		ug/l		1000000	
Ti	47	45	No Gas		ug/l		10000	
V	51	45	He		ug/l		5000	
Cr	52	45	He		ug/l		20000	
Mn	55	45	He		ug/l		20000	
Fe	56	45	H2		ug/l		500000	
Co	59	45	He		ug/l		2000	
Ni	60	45	He		ug/l		20000	
Cu	63	45	He		ug/l		20000	
Zn	66	45	He		ug/l		20000	
As	75	45	He		ug/l		5000	
Se	78	45	H2		ug/l		3000	
Sr	88	115	He		ug/l		5000	
Mo	95	115	He		ug/l		2000	
Ag	107	115	He		ug/l		1000	
Cd	111	115	He		ug/l		5000	
Sn	118	115	He		ug/l		2000	
Sb	121	115	He		ug/l		1000	
Ba	137	159	He		ug/l		20000	
Tl	205	209	He		ug/l		1000	
[Pb]	206	209	He		ug/l			
[Pb]	207	209	He		ug/l			
Pb	208	209	He		ug/l		20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9710941.66	1.3		60	125	
Sc (ISICPMS)	45	No Gas	7138968.16	0.7		60	125	
Sc (ISICPMS)	45	H2	2718042.94	1.3		60	125	
Sc (ISICPMS)	45	He	108019.28	0.7		60	125	
Ge (IS)	74	H2	506112.16	1.5		60	125	
Ge (IS)	74	He	55248.03	0.8		60	125	
Kr	83	He	0.00	N/A				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	124249.59	0.8		60	125	
Tb (IS)	159	He	729323.60	1.3		60	125	
Bi (IS)	209	He	640185.46	0.4		60	125	

DRAFT

Sample Report

File Name 002SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 10:56:21

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas		ug/l		2000	
B	11	6	No Gas		ug/l		2000	
Na	23	45	He		ug/l		500000	
Mg	24	45	He		ug/l		500000	
Al	27	45	He		ug/l		500000	
K	39	45	He		ug/l		500000	
Ca	40	45	H2		ug/l		1000000	
Ti	47	45	No Gas		ug/l		10000	
V	51	45	He		ug/l		5000	
Cr	52	45	He		ug/l		20000	
Mn	55	45	He		ug/l		20000	
Fe	56	45	H2		ug/l		500000	
Co	59	45	He		ug/l		2000	
Ni	60	45	He		ug/l		20000	
Cu	63	45	He		ug/l		20000	
Zn	66	45	He		ug/l		20000	
As	75	45	He		ug/l		5000	
Se	78	45	H2		ug/l		3000	
Sr	88	115	He		ug/l		5000	
Mo	95	115	He		ug/l		2000	
Ag	107	115	He		ug/l		1000	
Cd	111	115	He		ug/l		5000	
Sn	118	115	He		ug/l		2000	
Sb	121	115	He		ug/l		1000	
Ba	137	159	He		ug/l		20000	
Tl	205	209	He		ug/l		1000	
[Pb]	206	209	He		ug/l			
[Pb]	207	209	He		ug/l			
Pb	208	209	He		ug/l		20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9684987.49	1.1		60	125	
Sc (ISICPMS)	45	No Gas	7127256.77	0.9		60	125	
Sc (ISICPMS)	45	H2	2681735.51	0.8		60	125	
Sc (ISICPMS)	45	He	107511.21	0.7		60	125	
Ge (IS)	74	H2	500175.52	0.7		60	125	
Ge (IS)	74	He	55570.11	0.8		60	125	
Kr	83	He	3.34	173.2				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	124174.80	0.8		60	125	
Tb (IS)	159	He	731686.20	0.6		60	125	
Bi (IS)	209	He	648097.60	1.3		60	125	

DRAFT

Sample Report

File Name 003SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 10:58:51

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas		ug/l		2000	
B	11	6	No Gas		ug/l		2000	
Na	23	45	He		ug/l		500000	
Mg	24	45	He		ug/l		500000	
Al	27	45	He		ug/l		500000	
K	39	45	He		ug/l		500000	
Ca	40	45	H2		ug/l		1000000	
Ti	47	45	No Gas		ug/l		10000	
V	51	45	He		ug/l		5000	
Cr	52	45	He		ug/l		20000	
Mn	55	45	He		ug/l		20000	
Fe	56	45	H2		ug/l		500000	
Co	59	45	He		ug/l		2000	
Ni	60	45	He		ug/l		20000	
Cu	63	45	He		ug/l		20000	
Zn	66	45	He		ug/l		20000	
As	75	45	He		ug/l		5000	
Se	78	45	H2		ug/l		3000	
Sr	88	115	He		ug/l		5000	
Mo	95	115	He		ug/l		2000	
Ag	107	115	He		ug/l		1000	
Cd	111	115	He		ug/l		5000	
Sn	118	115	He		ug/l		2000	
Sb	121	115	He		ug/l		1000	
Ba	137	159	He		ug/l		20000	
Tl	205	209	He		ug/l		1000	
[Pb]	206	209	He		ug/l			
[Pb]	207	209	He		ug/l			
Pb	208	209	He		ug/l		20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9611744.79	1.2		60	125	
Sc (ISICPMS)	45	No Gas	7073091.98	0.9		60	125	
Sc (ISICPMS)	45	H2	2686553.64	0.8		60	125	
Sc (ISICPMS)	45	He	108015.89	0.8		60	125	
Ge (IS)	74	H2	502887.00	0.7		60	125	
Ge (IS)	74	He	55841.33	1.3		60	125	
Kr	83	He	3.34	173.2				

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	123416.60	1.1		60	125	
Tb (IS)	159	He	730996.50	0.5		60	125	
Bi (IS)	209	He	648607.34	0.8		60	125	

DRAFT

Calibration Blank

File Name 004CALB.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 11:01:19

Sample Name **IC CAL-Blk**

Comment ---

Dilution 1.0000

Full Quant Table 1101

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	6	No Gas	14.44	35.3
B	11	6	No Gas	16792.32	2.5
Na	23	45	He	63252.00	0.7
Mg	24	45	He	277.78	7.2
Al	27	45	He	94.44	23.0
K	39	45	He	8488.21	0.9
Ca	40	45	H2	86658.85	0.4
Ti	47	45	No Gas	5323.31	3.1
V	51	45	He	1106.72	8.6
Cr	52	45	He	3504.92	8.0
Mn	55	45	He	87.78	23.2
Fe	56	45	H2	90244.23	0.2
Co	59	45	He	75.56	22.6
Ni	60	45	He	471.12	5.9
Cu	63	45	He	696.69	5.4
Zn	66	45	He	500.01	11.1
As	75	45	He	36.66	41.7
Se	78	45	H2	8.89	78.1
Sr	88	115	He	22.22	22.9
Mo	95	115	He	38.89	13.1
Ag	107	115	He	8.89	94.4
Cd	111	115	He	0.00	N/A
Sn	118	115	He	574.46	12.3
Sb	121	115	He	38.89	9.9
Ba	137	159	He	10.00	100.0
Tl	205	209	He	302.23	3.2
[Pb]	206	209	He	211.11	18.3
[Pb]	207	209	He	202.22	15.0
Pb	208	209	He	831.13	10.0

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %
Li (IS)	6	No Gas	9414383.40	1.0	100.0
Sc (ISICPMS)	45	No Gas	6969325.38	0.7	100.0
Sc (ISICPMS)	45	H2	2653446.99	0.8	100.0
Sc (ISICPMS)	45	He	107379.65	0.4	100.0
Ge (IS)	74	H2	505553.61	0.5	100.0
Ge (IS)	74	He	55569.01	1.3	100.0
Kr	83	He	3.34	173.2	100.0

DRAFT

Calibration Blank

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %
In-1	115	He	124858.87	0.9	100.0
Tb (IS)	159	He	739286.95	0.8	100.0
Bi (IS)	209	He	656020.60	0.4	100.0

DRAFT

Calibration Standard

File Name 005CALS.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 11:04:22

Sample Name **IC CAL1**

Comment ---

Dilution 1.0000

Vial # 1102

FullQuant Table

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	6	No Gas	2451.34	2.1
B	11	6	No Gas	185475.33	1.1
Na	23	45	He	92957.65	0.1
Mg	24	45	He	14544.32	0.3
Al	27	45	He	833.37	1.2
K	39	45	He	13818.05	2.3
Ca	40	45	H2	455527.66	0.4
Ti	47	45	No Gas	7976.81	1.2
V	51	45	He	3410.45	2.9
Cr	52	45	He	6657.20	0.9
Mn	55	45	He	2525.81	5.5
Fe	56	45	H2	540350.60	0.7
Co	59	45	He	6072.51	1.0
Ni	60	45	He	2226.86	7.4
Cu	63	45	He	5597.85	2.4
Zn	66	45	He	2860.32	4.8
As	75	45	He	181.12	17.9
Se	78	45	H2	296.67	7.4
Sr	88	115	He	907.82	2.3
Mo	95	115	He	1924.60	7.3
Ag	107	115	He	3928.39	2.8
Cd	111	115	He	417.79	6.4
Sn	118	115	He	5856.91	1.7
Sb	121	115	He	886.71	6.4
Ba	137	159	He	451.12	12.9
Tl	205	209	He	4269.67	2.7
[Pb]	206	209	He	1983.50	6.4
[Pb]	207	209	He	1867.94	7.2
Pb	208	209	He	8436.76	3.4

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9296664.72	0.3	98.7	60	125	
Sc (ISICPMS)	45	No Gas	6832398.09	0.5	98.0	60	125	
Sc (ISICPMS)	45	H2	2647115.27	0.5	99.8	60	125	
Sc (ISICPMS)	45	He	108042.51	0.6	100.6	60	125	
Ge (IS)	74	H2	499129.69	1.2	98.7	60	125	

DRAFT

Calibration Standard

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Ge (IS)	74	He	55572.36	0.5	100.0	60	125	
Kr	83	He	6.67	173.2	200.0			
In-1	115	He	123405.74	0.2	98.8	60	125	
Tb (IS)	159	He	731627.32	0.7	99.0	60	125	
Bi (IS)	209	He	653584.19	1.8	99.6	60	125	

DRAFT

Calibration Standard

File Name 006CALS.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 11:07:02

Sample Name **IC CAL2**

Comment ---

Dilution 1.0000

Vial # 1103

FullQuant Table

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	6	No Gas	12055.24	2.2
B	11	6	No Gas	865527.89	1.0
Na	23	45	He	208396.39	0.8
Mg	24	45	He	70821.54	1.1
Al	27	45	He	3900.57	2.6
K	39	45	He	34964.97	1.7
Ca	40	45	H2	1910936.39	1.6
Ti	47	45	No Gas	18739.60	1.1
V	51	45	He	12247.74	1.1
Cr	52	45	He	19471.68	2.5
Mn	55	45	He	11809.61	1.0
Fe	56	45	H2	2353212.33	0.8
Co	59	45	He	29284.75	2.1
Ni	60	45	He	8961.88	2.1
Cu	63	45	He	25063.06	1.3
Zn	66	45	He	11734.00	0.1
As	75	45	He	766.69	3.9
Se	78	45	H2	1472.31	7.5
Sr	88	115	He	4384.08	2.8
Mo	95	115	He	9339.99	2.4
Ag	107	115	He	19398.81	0.8
Cd	111	115	He	2061.29	3.5
Sn	118	115	He	26503.49	0.7
Sb	121	115	He	4236.27	5.3
Ba	137	159	He	2395.79	1.5
Tl	205	209	He	20436.85	0.7
[Pb]	206	209	He	9809.49	0.6
[Pb]	207	209	He	8620.83	1.7
Pb	208	209	He	39538.30	0.7

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9416187.98	0.1	100.0	60	125	
Sc (ISICPMS)	45	No Gas	6949783.92	0.7	99.7	60	125	
Sc (ISICPMS)	45	H2	2681958.40	0.5	101.1	60	125	
Sc (ISICPMS)	45	He	106965.13	0.3	99.6	60	125	
Ge (IS)	74	H2	503789.16	0.2	99.7	60	125	

DRAFT

Calibration Standard

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Ge (IS)	74	He	56152.53	0.6	101.1	60	125	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	123820.57	0.4	99.2	60	125	
Tb (IS)	159	He	731743.39	1.0	99.0	60	125	
Bi (IS)	209	He	650329.31	0.6	99.1	60	125	

DRAFT

Calibration Standard

File Name 007CALS.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 11:09:44

Sample Name **IC CAL3**

Comment ---

Dilution 1.0000

Vial # 1104

FullQuant Table

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	6	No Gas	154844.63	1.0
B	11	6	No Gas	297420.48	0.9
Na	23	45	He	1861013.25	1.1
Mg	24	45	He	871676.18	0.4
Al	27	45	He	227915.85	0.8
K	39	45	He	341676.71	0.7
Ca	40	45	H2	22830172.16	0.7
Ti	47	45	No Gas	38461.76	0.6
V	51	45	He	30037.32	1.0
Cr	52	45	He	44568.94	0.5
Mn	55	45	He	15152.90	1.0
Fe	56	45	H2	47103450.97	1.0
Co	59	45	He	75092.51	0.6
Ni	60	45	He	21855.29	1.7
Cu	63	45	He	61659.99	0.4
Zn	66	45	He	18613.91	0.4
As	75	45	He	3718.31	1.8
Se	78	45	H2	6307.07	1.5
Sr	88	115	He	11551.74	1.9
Mo	95	115	He	23686.71	1.1
Ag	107	115	He	48453.34	1.8
Cd	111	115	He	10237.37	1.8
Sn	118	115	He	16684.01	0.5
Sb	121	115	He	21658.93	2.5
Ba	137	159	He	5898.05	0.6
Tl	205	209	He	246674.13	1.0
[Pb]	206	209	He	78958.24	0.6
[Pb]	207	209	He	70576.57	1.9
Pb	208	209	He	320366.58	0.7

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9369255.76	0.8	99.5	60	125	
Sc (ISICPMS)	45	No Gas	6955326.63	0.8	99.8	60	125	
Sc (ISICPMS)	45	H2	2707653.47	0.4	102.0	60	125	
Sc (ISICPMS)	45	He	108054.67	0.7	100.6	60	125	
Ge (IS)	74	H2	514669.41	0.8	101.8	60	125	

DRAFT

Calibration Standard

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Ge (IS)	74	He	57317.51	1.1	103.1	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	124173.24	0.8	99.5	60	125	
Tb (IS)	159	He	733937.79	0.4	99.3	60	125	
Bi (IS)	209	He	638916.65	0.6	97.4	60	125	

DRAFT

Calibration Standard

File Name 008CALS.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 11:12:24

Sample Name **IC CAL4**

Comment ---

Dilution 1.0000

Vial # 1105

FullQuant Table

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	6	No Gas	314585.70	1.4
B	11	6	No Gas	573200.97	0.9
Na	23	45	He	3662916.05	0.4
Mg	24	45	He	1744952.63	0.1
Al	27	45	He	458444.40	0.3
K	39	45	He	674112.10	0.7
Ca	40	45	H2	45627527.65	2.3
Ti	47	45	No Gas	72899.72	1.2
V	51	45	He	58107.83	1.1
Cr	52	45	He	85108.35	2.1
Mn	55	45	He	30133.23	1.5
Fe	56	45	H2	93952450.82	2.0
Co	59	45	He	150847.47	0.2
Ni	60	45	He	43531.45	1.5
Cu	63	45	He	122607.71	0.9
Zn	66	45	He	36857.56	0.5
As	75	45	He	7261.98	2.8
Se	78	45	H2	12575.93	3.3
Sr	88	115	He	23127.77	0.6
Mo	95	115	He	46187.81	1.2
Ag	107	115	He	96866.96	1.1
Cd	111	115	He	20390.27	1.2
Sn	118	115	He	33166.32	1.3
Sb	121	115	He	42389.18	1.9
Ba	137	159	He	11932.21	1.1
Tl	205	209	He	496369.01	0.8
[Pb]	206	209	He	156759.11	0.2
[Pb]	207	209	He	138121.16	0.7
Pb	208	209	He	638195.09	0.7

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9389873.47	0.7	99.7	60	125	
Sc (ISICPMS)	45	No Gas	6963637.53	1.2	99.9	60	125	
Sc (ISICPMS)	45	H2	2709220.97	0.3	102.1	60	125	
Sc (ISICPMS)	45	He	108895.47	0.1	101.4	60	125	
Ge (IS)	74	H2	518229.69	1.1	102.5	60	125	

DRAFT

Calibration Standard

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Ge (IS)	74	He	57777.21	1.4	104.0	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	123098.90	0.4	98.6	60	125	
Tb (IS)	159	He	736251.60	0.1	99.6	60	125	
Bi (IS)	209	He	638735.88	0.8	97.4	60	125	

DRAFT

Calibration Standard

File Name 009CALS.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 11:15:05

Sample Name **IC CAL5**

Comment ---

Dilution 1.0000

Vial # 1106

FullQuant Table

Element	Mass	ISTD	Tune Mode	CPS	CPS RSD
Be	9	6	No Gas	622203.21	0.7
B	11	6	No Gas	1111250.56	1.8
Na	23	45	He	7158830.38	1.1
Mg	24	45	He	3450645.09	0.3
Al	27	45	He	897735.55	0.8
K	39	45	He	1302270.58	0.6
Ca	40	45	H2	89696860.88	0.3
Ti	47	45	No Gas	139971.98	1.6
V	51	45	He	115048.31	0.6
Cr	52	45	He	164563.50	0.2
Mn	55	45	He	59293.75	0.3
Fe	56	45	H2	184736832.80	0.2
Co	59	45	He	294808.53	0.8
Ni	60	45	He	84950.84	0.3
Cu	63	45	He	239191.21	1.1
Zn	66	45	He	72183.98	1.1
As	75	45	He	14881.53	2.2
Se	78	45	H2	25417.29	1.2
Sr	88	115	He	45653.00	0.2
Mo	95	115	He	92638.17	0.4
Ag	107	115	He	191574.83	0.7
Cd	111	115	He	40064.08	1.0
Sn	118	115	He	64813.95	0.3
Sb	121	115	He	84891.73	0.6
Ba	137	159	He	23630.43	0.6
Tl	205	209	He	981995.49	0.3
[Pb]	206	209	He	308645.30	0.7
[Pb]	207	209	He	272054.73	0.2
Pb	208	209	He	1252430.50	0.9

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9369850.69	1.5	99.5	60	125	
Sc (ISICPMS)	45	No Gas	6969736.35	1.2	100.0	60	125	
Sc (ISICPMS)	45	H2	2665479.61	0.1	100.5	60	125	
Sc (ISICPMS)	45	He	107785.47	0.6	100.4	60	125	
Ge (IS)	74	H2	517108.74	0.7	102.3	60	125	

DRAFT

Calibration Standard

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Ge (IS)	74	He	57772.72	0.6	104.0	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	122301.64	1.3	98.0	60	125	
Tb (IS)	159	He	731043.83	0.3	98.9	60	125	
Bi (IS)	209	He	628222.91	0.8	95.8	60	125	

DRAFT

Initial Calibration Verification (ICV)

File Name 010_ICV.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 11:17:45

Sample Name **ICV**

Comment ---

Dilution 1.0000

Vial # 1201

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	78.985	ug/l	1.5	80	72	88	
B	11	6	No Gas	207.567	ug/l	0.5	200	180	220	
Na	23	45	He	20274.620	ug/l	1.1	20000	18000	22000	
Mg	24	45	He	20338.163	ug/l	1.5	20000	18000	22000	
Al	27	45	He	20529.256	ug/l	0.9	20000	18000	22000	
K	39	45	He	20579.849	ug/l	1.0	20000	18000	22000	
Ca	40	45	H2	19639.555	ug/l	1.9	20000	18000	22000	
Ti	47	45	No Gas	81.705	ug/l	1.7	80	72	88	
V	51	45	He	79.203	ug/l	1.6	80	72	88	
Cr	52	45	He	81.328	ug/l	1.9	80	72	88	
Mn	55	45	He	81.540	ug/l	0.6	80	72	88	
Fe	56	45	H2	19663.532	ug/l	2.1	20000	18000	22000	
Co	59	45	He	81.136	ug/l	0.3	80	72	88	
Ni	60	45	He	79.430	ug/l	1.5	80	72	88	
Cu	63	45	He	81.591	ug/l	0.6	80	72	88	
Zn	66	45	He	203.066	ug/l	1.5	200	180	220	
As	75	45	He	78.792	ug/l	1.1	80	72	88	
Se	78	45	H2	78.595	ug/l	2.0	80	72	88	
Sr	88	115	He	82.132	ug/l	0.7	80	72	88	
Mo	95	115	He	81.639	ug/l	0.7	80	72	88	
Ag	107	115	He	40.199	ug/l	0.8	40	36	44	
Cd	111	115	He	80.676	ug/l	2.1	80	72	88	
Sn	118	115	He	80.546	ug/l	1.3	80	72	88	
Sb	121	115	He	81.139	ug/l	0.2	80	72	88	
Ba	137	159	He	80.427	ug/l	0.3	80	72	88	
Tl	205	209	He	79.472	ug/l	0.5	80	72	88	
[Pb]	206	209	He	80.343	ug/l	0.4				
[Pb]	207	209	He	80.328	ug/l	0.8				
Pb	208	209	He	80.364	ug/l	0.8	80	72	88	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	9553123.96	0.5	101.5	60	125	
Sc (ISICPMS)	45	No Gas	6941005.32	0.7	99.6	60	125	
Sc (ISICPMS)	45	H2	2762519.44	1.5	104.1	60	125	
Sc (ISICPMS)	45	He	109003.29	0.7	101.5	60	125	
Ge (IS)	74	H2	528696.22	1.0	104.6	60	125	
Ge (IS)	74	He	58433.25	1.4	105.2	60	125	

DRAFT

Initial Calibration Verification (ICV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	123544.47	0.7	98.9	60	125	
Tb (IS)	159	He	741918.13	0.7	100.4	60	125	
Bi (IS)	209	He	641629.59	0.9	97.8	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 011_ICB.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 11:20:14

Sample Name **ICB**

Comment ---

Dilution 1.0000

Multiquant Table 1101

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.019	ug/l	28.8	0.4	-0.4	0.4	
B	11	6	No Gas	5.852	ug/l	3.5	20	-20	20	
Na	23	45	He	10.027	ug/l	20.0	250	-250	250	
Mg	24	45	He	0.618	ug/l	86.0	100	-100	100	
Al	27	45	He	1.255	ug/l	68.0	20	-20	20	
K	39	45	He	-2.753	ug/l	N/A	100	-100	100	
Ca	40	45	H2	0.534	ug/l	117.8	250	-250	250	
Ti	47	45	No Gas	0.100	ug/l	485.2	2	-2	2	
V	51	45	He	-0.227	ug/l	N/A	2	-2	2	
Cr	52	45	He	-0.004	ug/l	N/A	2	-2	2	
Mn	55	45	He	0.081	ug/l	139.5	4	-4	4	
Fe	56	45	H2	2.598	ug/l	4.3	30	-30	30	
Co	59	45	He	-0.001	ug/l	N/A	2	-2	2	
Ni	60	45	He	-0.062	ug/l	N/A	2	-2	2	
Cu	63	45	He	0.026	ug/l	121.4	2	-2	2	
Zn	66	45	He	0.111	ug/l	238.3	8	-8	8	
As	75	45	He	0.032	ug/l	291.0	1	-1	1	
Se	78	45	H2	0.241	ug/l	11.8	1.25	-1.25	1.25	
Sr	88	115	He	0.003	ug/l	1165.2	2	-2	2	
Mo	95	115	He	0.212	ug/l	21.7	2	-2	2	
Ag	107	115	He	0.004	ug/l	79.1	1	-1	1	
Cd	111	115	He	0.011	ug/l	86.6	1	-1	1	
Sn	118	115	He	0.089	ug/l	258.3	8	-8	8	
Sb	121	115	He	0.011	ug/l	205.1	1	-1	1	
Ba	137	159	He	0.009	ug/l	340.0	2	-2	2	
Tl	205	209	He	0.024	ug/l	33.0	0.4	-0.4	0.4	
[Pb]	206	209	He	0.024	ug/l	63.5				
[Pb]	207	209	He	-0.009	ug/l	N/A				
Pb	208	209	He	0.015	ug/l	46.5	0.6	-0.6	0.6	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	9752335.34	1.8	103.6	60	125	
Sc (ISICPMS)	45	No Gas	7092626.98	0.8	101.8	60	125	
Sc (ISICPMS)	45	H2	2709952.46	1.1	102.1	60	125	
Sc (ISICPMS)	45	He	110260.76	1.2	102.7	60	125	
Ge (IS)	74	H2	508960.79	0.7	100.7	60	125	
Ge (IS)	74	He	57283.96	0.3	103.1	60	125	
Kr	83	He	10.01	100.0	300.0			
In-1	115	He	126768.48	0.3	101.5	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	741213.27	0.1	100.3	60	125	
Bi (IS)	209	He	655921.90	1.1	100.0	60	125	

DRAFT

CRQL Check Standard (CRI)

File Name 012_CRI.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 11:22:43

Sample Name **CRI**

Comment ---

Dilution 1.0000

Vial # 1102

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.787	ug/l	2.9	0.8	0.4	1.2	
B	11	6	No Gas	80.632	ug/l	0.5	80	40	120	
Na	23	45	He	219.077	ug/l	4.2	200	100	300	
Mg	24	45	He	205.866	ug/l	3.3	200	100	300	
Al	27	45	He	42.469	ug/l	7.0	40	20	60	
K	39	45	He	210.566	ug/l	3.2	200	100	300	
Ca	40	45	H2	205.205	ug/l	1.6	200	100	300	
Ti	47	45	No Gas	3.989	ug/l	3.2	4	2	6	
V	51	45	He	3.874	ug/l	1.9	4	2	6	
Cr	52	45	He	4.000	ug/l	6.0	4	2	6	
Mn	55	45	He	8.159	ug/l	10.7	8	4	12	
Fe	56	45	H2	123.355	ug/l	1.8	120	60	180	
Co	59	45	He	4.030	ug/l	2.2	4	2	6	
Ni	60	45	He	4.173	ug/l	3.1	4	2	6	
Cu	63	45	He	4.104	ug/l	4.4	4	2	6	
Zn	66	45	He	15.171	ug/l	2.8	16	8	24	
As	75	45	He	1.909	ug/l	17.3	2	1	3	
Se	78	45	H2	2.299	ug/l	17.6	2.5	1.25	3.75	
Sr	88	115	He	3.927	ug/l	5.0	4	2	6	
Mo	95	115	He	4.137	ug/l	9.0	4	2	6	
Ag	107	115	He	1.922	ug/l	1.1	2	1	3	
Cd	111	115	He	1.952	ug/l	11.3	2	1	3	
Sn	118	115	He	16.418	ug/l	3.1	16	8	24	
Sb	121	115	He	2.026	ug/l	6.6	2	1	3	
Ba	137	159	He	4.190	ug/l	14.4	4	2	6	
Tl	205	209	He	0.796	ug/l	3.5	0.8	0.4	1.2	
[Pb]	206	209	He	1.158	ug/l	2.6				
[Pb]	207	209	He	1.167	ug/l	1.4				
Pb	208	209	He	1.186	ug/l	1.0	1.2	0.6	1.8	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	9581385.48	0.3	101.8	60	125	
Sc (ISICPMS)	45	No Gas	7065232.32	0.5	101.4	60	125	
Sc (ISICPMS)	45	H2	2707064.96	1.9	102.0	60	125	
Sc (ISICPMS)	45	He	109417.53	0.9	101.9	60	125	
Ge (IS)	74	H2	506541.66	1.7	100.2	60	125	
Ge (IS)	74	He	57215.97	1.2	103.0	60	125	

DRAFT

CRQL Check Standard (CRI)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	125163.20	0.7	100.2	60	125	
Tb (IS)	159	He	739833.18	0.5	100.1	60	125	
Bi (IS)	209	He	653254.33	0.9	99.6	60	125	

DRAFT

Interference Check Standard-A (ICSA)

File Name 013ICSA.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 11:25:14

Sample Name **ICSA 11862589**

Comment ---

Dilution 1.0000

Full Quant Table 4508

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.046	ug/l	10.5	0.8	-1.6	1.6	
B	11	6	No Gas	4.101	ug/l	3.1	80	-160	160	
Na	23	45	He	102136.253	ug/l	1.1	100000	80000	120000	
Mg	24	45	He	101325.826	ug/l	0.9	100000	80000	120000	
Al	27	45	He	101051.850	ug/l	0.8	100000	80000	120000	
K	39	45	He	101889.501	ug/l	0.5	100000	80000	120000	
Ca	40	45	H2	100237.857	ug/l	0.5	100000	80000	120000	
Ti	47	45	No Gas	2174.510	ug/l	0.1	2000	1600	2400	
V	51	45	He	-0.160	ug/l	N/A	4	-8	8	
Cr	52	45	He	1.092	ug/l	14.7	4	-8	8	
Mn	55	45	He	1.062	ug/l	6.3	8	-16	16	
Fe	56	45	H2	97638.637	ug/l	2.3	100000	80000	120000	
Co	59	45	He	0.371	ug/l	6.3	4	-8	8	
Ni	60	45	He	0.861	ug/l	18.1	4	-8	8	
Cu	63	45	He	0.783	ug/l	6.3	4	-8	8	
Zn	66	45	He	7.869	ug/l	3.2	16	-32	32	
As	75	45	He	0.154	ug/l	148.0	2	-4	4	
Se	78	45	H2	0.104	ug/l	90.2	2.5	-5	5	
Sr	88	115	He	0.878	ug/l	10.2	4	-8	8	
Mo	95	115	He	2015.569	ug/l	1.5	2000	-4000	4000	
Ag	107	115	He	0.032	ug/l	34.2	2	-4	4	
Cd	111	115	He	0.474	ug/l	10.3	2	-4	4	
Sn	118	115	He	0.088	ug/l	108.8	16	-32	32	
Sb	121	115	He	0.151	ug/l	20.1	2	-4	4	
Ba	137	159	He	1.167	ug/l	5.9	4	-8	8	
Tl	205	209	He	0.015	ug/l	25.0	0.8	-1.6	1.6	
[Pb]	206	209	He	0.559	ug/l	4.5				
[Pb]	207	209	He	0.549	ug/l	11.9				
Pb	208	209	He	0.565	ug/l	5.9	1.2	-2.4	2.4	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	9212066.74	0.3	97.9	60	125	
Sc (ISICPMS)	45	No Gas	6814007.26	0.6	97.8	60	125	
Sc (ISICPMS)	45	H2	2698019.15	1.5	101.7	60	125	
Sc (ISICPMS)	45	He	106980.90	0.5	99.6	60	125	
Ge (IS)	74	H2	518254.11	1.7	102.5	60	125	
Ge (IS)	74	He	57965.68	0.2	104.3	60	125	

DRAFT

Interference Check Standard-A (ICSA)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	119907.44	1.1	96.0	60	125	
Tb (IS)	159	He	720349.90	0.3	97.4	60	125	
Bi (IS)	209	He	602891.86	0.9	91.9	60	125	

DRAFT

Interference Check Standard-AB (ICSAB)

File Name 014ICSB.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 11:27:45

Sample Name **ICSAB 11862591**

Comment ---

Dilution 1.0000

Method Quant Table 4509

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	192.191	ug/l	0.2	200	-400	400	
B	11	6	No Gas	3.664	ug/l	0.7				
Na	23	45	He	103917.664	ug/l	1.5	100000	80000	120000	
Mg	24	45	He	103167.411	ug/l	1.1	100000	80000	120000	
Al	27	45	He	103060.536	ug/l	1.1	100000	80000	120000	
K	39	45	He	103706.950	ug/l	0.8	100000	80000	120000	
Ca	40	45	H2	102384.646	ug/l	3.5	100000	80000	120000	
Ti	47	45	No Gas	2234.510	ug/l	0.2	2000	1600	2400	
V	51	45	He	202.775	ug/l	1.2	200	160	240	
Cr	52	45	He	202.091	ug/l	1.7	200	160	240	
Mn	55	45	He	197.572	ug/l	0.5	200	160	240	
Fe	56	45	H2	100609.416	ug/l	5.0	100000	80000	120000	
Co	59	45	He	199.434	ug/l	0.8	200	160	240	
Ni	60	45	He	201.007	ug/l	1.1	200	160	240	
Cu	63	45	He	199.254	ug/l	0.5	200	160	240	
Zn	66	45	He	206.060	ug/l	1.0	200	160	240	
As	75	45	He	200.080	ug/l	1.4	200	160	240	
Se	78	45	H2	194.905	ug/l	1.0	200	160	240	
Sr	88	115	He	205.014	ug/l	1.0	200	-400	400	
Mo	95	115	He	2077.468	ug/l	0.7	2000	1600	2400	
Ag	107	115	He	199.446	ug/l	1.4	200	160	240	
Cd	111	115	He	204.313	ug/l	0.7	200	160	240	
Sn	118	115	He	203.293	ug/l	0.5	200	-400	400	
Sb	121	115	He	101.028	ug/l	1.1	100	-200	200	
Ba	137	159	He	204.914	ug/l	0.7	200	-400	400	
Tl	205	209	He	102.844	ug/l	1.2	100	-200	200	
[Pb]	206	209	He	206.842	ug/l	1.2				
[Pb]	207	209	He	206.517	ug/l	1.2				
Pb	208	209	He	207.150	ug/l	0.7	200	-400	400	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	9591418.40	0.3	101.9	60	125	
Sc (ISICPMS)	45	No Gas	6877953.72	0.6	98.7	60	125	
Sc (ISICPMS)	45	H2	2721888.36	1.8	102.6	60	125	
Sc (ISICPMS)	45	He	107575.89	0.9	100.2	60	125	
Ge (IS)	74	H2	524437.20	1.1	103.7	60	125	
Ge (IS)	74	He	58286.15	1.3	104.9	60	125	

DRAFT

Interference Check Standard-AB (ICSAB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	120633.91	1.2	96.6	60	125	
Tb (IS)	159	He	727189.42	0.9	98.4	60	125	
Bi (IS)	209	He	609567.79	1.3	92.9	60	125	

DRAFT

Linear Range Check (LRC)

File Name 015LRCA.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 11:30:17

Sample Name **LRC 11855591**

Comment LRC-A

Dilution 1.0000

Vial # 4510

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	1952.980	ug/l	1.5	2000	1800	2200	
B	11	6	No Gas	1.651	ug/l	2.7				
Na	23	45	He	61.136	ug/l	10.9				
Mg	24	45	He	13.189	ug/l	1.1				
Al	27	45	He	16.492	ug/l	2.9				
K	39	45	He	41.745	ug/l	31.2				
Ca	40	45	H2	46.490	ug/l	1.9				
Ti	47	45	No Gas	2.006	ug/l	7.7				
V	51	45	He	4972.887	ug/l	0.8	5000	4500	5500	
Cr	52	45	He	20240.524	ug/l	0.7	20000	18000	22000	
Mn	55	45	He	20085.233	ug/l	0.5	20000	18000	22000	
Fe	56	45	H2	33.527	ug/l	1.3				
Co	59	45	He	2025.440	ug/l	0.8	2000	1800	2200	
Ni	60	45	He	20443.181	ug/l	0.5	20000	18000	22000	
Cu	63	45	He	20363.531	ug/l	1.1	20000	18000	22000	
Zn	66	45	He	19660.712	ug/l	1.1	20000	18000	22000	
As	75	45	He	5097.347	ug/l	1.7	5000	4500	5500	
Se	78	45	H2	0.375	ug/l	39.2				
Sr	88	115	He	4784.858	ug/l	1.6	5000	4500	5500	
Mo	95	115	He	1996.039	ug/l	0.6	2000	1800	2200	
Ag	107	115	He	0.045	ug/l	0.7				
Cd	111	115	He	5115.747	ug/l	0.9	5000	4500	5500	
Sn	118	115	He	0.188	ug/l	35.4				
Sb	121	115	He	0.130	ug/l	14.9				
Ba	137	159	He	20095.868	ug/l	0.9	20000	18000	22000	
Tl	205	209	He	972.239	ug/l	0.6	1000	900	1100	
[Pb]	206	209	He	20108.930	ug/l	1.6				
[Pb]	207	209	He	19952.400	ug/l	0.8				
Pb	208	209	He	20059.654	ug/l	0.8	20000	18000	22000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	9211768.27	0.7	97.8	60	125	
Sc (ISICPMS)	45	No Gas	6727390.87	1.2	96.5	60	125	
Sc (ISICPMS)	45	H2	2526279.65	0.8	95.2	60	125	
Sc (ISICPMS)	45	He	98464.58	1.1	91.7	60	125	
Ge (IS)	74	H2	482237.87	1.7	95.4	60	125	
Ge (IS)	74	He	52294.77	1.1	94.1	60	125	

DRAFT

Linear Range Check (LRC)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	115104.64	0.6	92.2	60	125	
Tb (IS)	159	He	691311.00	0.4	93.5	60	125	
Bi (IS)	209	He	621440.34	0.3	94.7	60	125	

DRAFT

Linear Range Check (LRC)

File Name 016LRCB.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 11:32:47

Sample Name **LRC 11518844**

Comment LRC-B

Dilution 1.0000

Vial # 4511

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.247	ug/l	6.4				
B	11	6	No Gas	4.558	ug/l	1.4				
Na	23	45	He	489623.099	ug/l	0.8	500000	450000	550000	
Mg	24	45	He	490075.649	ug/l	0.7	500000	450000	550000	
Al	27	45	He	505147.379	ug/l	0.6	500000	450000	550000	
K	39	45	He	518263.604	ug/l	0.6	500000	450000	550000	
Ca	40	45	H2	90.349	ug/l	0.6				
Ti	47	45	No Gas	0.033	ug/l	219.1				
V	51	45	He	0.265	ug/l	27.0				
Cr	52	45	He	3.511	ug/l	7.3				
Mn	55	45	He	4.512	ug/l	6.0				
Fe	56	45	H2	496945.797	ug/l	0.4	500000	450000	550000	
Co	59	45	He	1.596	ug/l	4.0				
Ni	60	45	He	2.041	ug/l	5.2				
Cu	63	45	He	3.720	ug/l	2.6				
Zn	66	45	He	10.843	ug/l	5.1				
As	75	45	He	1.297	ug/l	31.1				
Se	78	45	H2	0.277	ug/l	48.2				
Sr	88	115	He	0.754	ug/l	10.3				
Mo	95	115	He	2.251	ug/l	9.0				
Ag	107	115	He	0.178	ug/l	10.3				
Cd	111	115	He	0.340	ug/l	21.8				
Sn	118	115	He	0.163	ug/l	86.7				
Sb	121	115	He	0.767	ug/l	7.7				
Ba	137	159	He	15.465	ug/l	9.3				
Tl	205	209	He	0.239	ug/l	8.0				
[Pb]	206	209	He	2.553	ug/l	0.9				
[Pb]	207	209	He	2.504	ug/l	0.7				
Pb	208	209	He	2.528	ug/l	1.5				

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	9645274.72	0.7	102.5	60	125	
Sc (ISICPMS)	45	No Gas	7092267.81	0.7	101.8	60	125	
Sc (ISICPMS)	45	H2	2900593.95	0.5	109.3	60	125	
Sc (ISICPMS)	45	He	120470.37	0.6	112.2	60	125	
Ge (IS)	74	H2	541952.47	0.2	107.2	60	125	
Ge (IS)	74	He	62971.03	1.4	113.3	60	125	

DRAFT

Linear Range Check (LRC)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	6.67	173.2	200.0			
In-1	115	He	133219.73	1.2	106.7	60	125	
Tb (IS)	159	He	785035.50	0.9	106.2	60	125	
Bi (IS)	209	He	628984.99	1.3	95.9	60	125	

DRAFT

Linear Range Check (LRC)

File Name 017LRCC.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 11:35:18

Sample Name **LRC 11779824**

Comment LRC-C

Dilution 1.0000

Vial # 4512

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.327	ug/l	5.6				
B	11	6	No Gas	1954.817	ug/l	2.1	2000	1800	2200	
Na	23	45	He	1497.304	ug/l	0.3				
Mg	24	45	He	128.402	ug/l	1.3				
Al	27	45	He	82.214	ug/l	7.2				
K	39	45	He	111.366	ug/l	6.8				
Ca	40	45	H2	1044881.638	ug/l	0.3	1000000	900000	1100000	
Ti	47	45	No Gas	10246.408	ug/l	1.9	10000	9000	11000	
V	51	45	He	0.345	ug/l	54.7				
Cr	52	45	He	3.270	ug/l	4.6				
Mn	55	45	He	3.147	ug/l	3.3				
Fe	56	45	H2	88.119	ug/l	1.6				
Co	59	45	He	0.516	ug/l	7.1				
Ni	60	45	He	3.425	ug/l	4.5				
Cu	63	45	He	4.475	ug/l	5.0				
Zn	66	45	He	11.644	ug/l	8.5				
As	75	45	He	0.907	ug/l	13.1				
Se	78	45	H2	2925.311	ug/l	0.5	3000	2700	3300	
Sr	88	115	He	10.853	ug/l	2.9				
Mo	95	115	He	1.270	ug/l	12.2				
Ag	107	115	He	966.887	ug/l	0.9	1000	900	1100	
Cd	111	115	He	0.615	ug/l	8.7				
Sn	118	115	He	2056.503	ug/l	1.1	2000	1800	2200	
Sb	121	115	He	1034.310	ug/l	0.5	1000	900	1100	
Ba	137	159	He	3.631	ug/l	18.7				
Tl	205	209	He	0.180	ug/l	9.5				
[Pb]	206	209	He	2.925	ug/l	0.7				
[Pb]	207	209	He	2.886	ug/l	1.6				
Pb	208	209	He	2.927	ug/l	1.3				

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	9109938.89	1.0	96.8	60	125	
Sc (ISICPMS)	45	No Gas	6505201.50	1.2	93.3	60	125	
Sc (ISICPMS)	45	H2	2599268.66	0.4	98.0	60	125	
Sc (ISICPMS)	45	He	104030.06	0.4	96.9	60	125	
Ge (IS)	74	H2	497403.75	0.8	98.4	60	125	
Ge (IS)	74	He	54256.04	1.3	97.6	60	125	

DRAFT

Linear Range Check (LRC)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	117593.10	1.2	94.2	60	125	
Tb (IS)	159	He	717337.31	1.1	97.0	60	125	
Bi (IS)	209	He	603218.18	0.6	92.0	60	125	

DRAFT

Sample Report

File Name 018SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 11:37:48

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.055	ug/l	10.5	2000	
B	11	6	No Gas	23.077	ug/l	3.1	2000	
Na	23	45	He	20.403	ug/l	32.9	500000	
Mg	24	45	He	6.051	ug/l	5.5	500000	
Al	27	45	He	6.631	ug/l	21.0	500000	
K	39	45	He	18.582	ug/l	35.6	500000	
Ca	40	45	H2	62.270	ug/l	1.7	1000000	
Ti	47	45	No Gas	5.963	ug/l	4.9	10000	
V	51	45	He	-0.321	ug/l	N/A	5000	
Cr	52	45	He	-0.028	ug/l	N/A	20000	
Mn	55	45	He	0.247	ug/l	31.4	20000	
Fe	56	45	H2	6.260	ug/l	5.3	500000	
Co	59	45	He	-0.003	ug/l	N/A	2000	
Ni	60	45	He	0.066	ug/l	176.1	20000	
Cu	63	45	He	0.651	ug/l	11.4	20000	
Zn	66	45	He	0.456	ug/l	91.7	20000	
As	75	45	He	-0.064	ug/l	N/A	5000	
Se	78	45	H2	2.843	ug/l	11.4	3000	
Sr	88	115	He	0.059	ug/l	57.9	5000	
Mo	95	115	He	0.530	ug/l	15.0	2000	
Ag	107	115	He	0.077	ug/l	10.3	1000	
Cd	111	115	He	0.028	ug/l	92.0	5000	
Sn	118	115	He	0.070	ug/l	119.6	2000	
Sb	121	115	He	0.139	ug/l	32.4	1000	
Ba	137	159	He	0.966	ug/l	27.1	20000	
Tl	205	209	He	0.011	ug/l	118.3	1000	
[Pb]	206	209	He	0.292	ug/l	12.2		
[Pb]	207	209	He	0.255	ug/l	9.4		
Pb	208	209	He	0.286	ug/l	3.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9525918.19	0.8	101.2	60	125	
Sc (ISICPMS)	45	No Gas	6683044.35	0.4	95.9	60	125	
Sc (ISICPMS)	45	H2	2538877.06	1.5	95.7	60	125	
Sc (ISICPMS)	45	He	104516.48	0.6	97.3	60	125	
Ge (IS)	74	H2	477445.47	1.6	94.4	60	125	
Ge (IS)	74	He	54114.30	1.7	97.4	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	123276.66	1.0	98.7	60	125	
Tb (IS)	159	He	733172.25	1.1	99.2	60	125	
Bi (IS)	209	He	649922.02	1.3	99.1	60	125	

DRAFT

Sample Report

File Name 019SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 11:40:19

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.038	ug/l	23.7	2000	
B	11	6	No Gas	8.520	ug/l	1.2	2000	
Na	23	45	He	20.004	ug/l	10.7	500000	
Mg	24	45	He	6.781	ug/l	8.2	500000	
Al	27	45	He	5.565	ug/l	21.0	500000	
K	39	45	He	16.501	ug/l	68.6	500000	
Ca	40	45	H2	38.836	ug/l	0.9	1000000	
Ti	47	45	No Gas	4.520	ug/l	11.5	10000	
V	51	45	He	-0.379	ug/l	N/A	5000	
Cr	52	45	He	-0.077	ug/l	N/A	20000	
Mn	55	45	He	0.147	ug/l	78.8	20000	
Fe	56	45	H2	6.336	ug/l	4.9	500000	
Co	59	45	He	0.007	ug/l	129.5	2000	
Ni	60	45	He	0.017	ug/l	830.3	20000	
Cu	63	45	He	0.474	ug/l	9.8	20000	
Zn	66	45	He	0.277	ug/l	206.8	20000	
As	75	45	He	-0.110	ug/l	N/A	5000	
Se	78	45	H2	0.954	ug/l	15.5	3000	
Sr	88	115	He	0.079	ug/l	72.1	5000	
Mo	95	115	He	0.391	ug/l	14.7	2000	
Ag	107	115	He	0.043	ug/l	22.5	1000	
Cd	111	115	He	0.033	ug/l	87.6	5000	
Sn	118	115	He	0.058	ug/l	193.1	2000	
Sb	121	115	He	0.062	ug/l	51.1	1000	
Ba	137	159	He	0.623	ug/l	12.8	20000	
Tl	205	209	He	-0.002	ug/l	N/A	1000	
[Pb]	206	209	He	0.199	ug/l	3.4		
[Pb]	207	209	He	0.205	ug/l	5.3		
Pb	208	209	He	0.217	ug/l	3.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9427084.72	0.8	100.1	60	125	
Sc (ISICPMS)	45	No Gas	6638653.37	0.3	95.3	60	125	
Sc (ISICPMS)	45	H2	2586858.47	0.4	97.5	60	125	
Sc (ISICPMS)	45	He	104339.98	1.1	97.2	60	125	
Ge (IS)	74	H2	484599.42	0.5	95.9	60	125	
Ge (IS)	74	He	53928.98	0.8	97.0	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	122448.06	0.9	98.1	60	125	
Tb (IS)	159	He	729572.57	1.0	98.7	60	125	
Bi (IS)	209	He	649086.33	1.2	98.9	60	125	

DRAFT

Sample Report

File Name 020SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 11:42:50

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.020	ug/l	26.1	2000	
B	11	6	No Gas	4.839	ug/l	1.0	2000	
Na	23	45	He	13.232	ug/l	55.7	500000	
Mg	24	45	He	4.310	ug/l	1.4	500000	
Al	27	45	He	2.752	ug/l	61.4	500000	
K	39	45	He	14.158	ug/l	14.0	500000	
Ca	40	45	H2	23.825	ug/l	2.0	1000000	
Ti	47	45	No Gas	3.266	ug/l	9.8	10000	
V	51	45	He	-0.414	ug/l	N/A	5000	
Cr	52	45	He	-0.130	ug/l	N/A	20000	
Mn	55	45	He	0.086	ug/l	12.8	20000	
Fe	56	45	H2	3.970	ug/l	9.5	500000	
Co	59	45	He	0.005	ug/l	103.4	2000	
Ni	60	45	He	0.067	ug/l	151.5	20000	
Cu	63	45	He	0.333	ug/l	6.2	20000	
Zn	66	45	He	0.009	ug/l	6844.6	20000	
As	75	45	He	-0.032	ug/l	N/A	5000	
Se	78	45	H2	0.410	ug/l	14.6	3000	
Sr	88	115	He	0.108	ug/l	14.1	5000	
Mo	95	115	He	0.270	ug/l	14.1	2000	
Ag	107	115	He	0.023	ug/l	41.4	1000	
Cd	111	115	He	0.005	ug/l	173.2	5000	
Sn	118	115	He	-0.072	ug/l	N/A	2000	
Sb	121	115	He	0.059	ug/l	75.0	1000	
Ba	137	159	He	0.443	ug/l	34.8	20000	
Tl	205	209	He	-0.010	ug/l	N/A	1000	
[Pb]	206	209	He	0.137	ug/l	34.0		
[Pb]	207	209	He	0.154	ug/l	5.2		
Pb	208	209	He	0.153	ug/l	7.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9484189.86	0.5	100.7	60	125	
Sc (ISICPMS)	45	No Gas	6679503.16	0.6	95.8	60	125	
Sc (ISICPMS)	45	H2	2589807.12	0.7	97.6	60	125	
Sc (ISICPMS)	45	He	104298.40	1.7	97.1	60	125	
Ge (IS)	74	H2	488858.62	0.5	96.7	60	125	
Ge (IS)	74	He	54842.88	1.2	98.7	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	122756.57	0.7	98.3	60	125	
Tb (IS)	159	He	731810.26	0.7	99.0	60	125	
Bi (IS)	209	He	654038.40	0.6	99.7	60	125	

DRAFT

Sample Report

File Name 021SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 11:45:20

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.023	ug/l	26.6	2000	
B	11	6	No Gas	3.403	ug/l	8.8	2000	
Na	23	45	He	2.239	ug/l	214.3	500000	
Mg	24	45	He	3.238	ug/l	32.6	500000	
Al	27	45	He	2.018	ug/l	85.8	500000	
K	39	45	He	11.283	ug/l	74.2	500000	
Ca	40	45	H2	21.324	ug/l	1.6	1000000	
Ti	47	45	No Gas	2.387	ug/l	1.9	10000	
V	51	45	He	-0.441	ug/l	N/A	5000	
Cr	52	45	He	-0.216	ug/l	N/A	20000	
Mn	55	45	He	0.090	ug/l	114.8	20000	
Fe	56	45	H2	2.019	ug/l	12.4	500000	
Co	59	45	He	0.007	ug/l	235.7	2000	
Ni	60	45	He	-0.109	ug/l	N/A	20000	
Cu	63	45	He	0.252	ug/l	16.6	20000	
Zn	66	45	He	0.146	ug/l	171.9	20000	
As	75	45	He	-0.062	ug/l	N/A	5000	
Se	78	45	H2	0.295	ug/l	32.3	3000	
Sr	88	115	He	0.067	ug/l	58.8	5000	
Mo	95	115	He	0.202	ug/l	12.1	2000	
Ag	107	115	He	0.018	ug/l	7.0	1000	
Cd	111	115	He	0.011	ug/l	86.6	5000	
Sn	118	115	He	0.008	ug/l	1860.1	2000	
Sb	121	115	He	0.003	ug/l	2441.7	1000	
Ba	137	159	He	0.281	ug/l	26.7	20000	
Tl	205	209	He	-0.006	ug/l	N/A	1000	
[Pb]	206	209	He	0.129	ug/l	23.5		
[Pb]	207	209	He	0.131	ug/l	29.5		
Pb	208	209	He	0.126	ug/l	2.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9341787.64	0.4	99.2	60	125	
Sc (ISICPMS)	45	No Gas	6632184.21	1.0	95.2	60	125	
Sc (ISICPMS)	45	H2	2568515.83	0.3	96.8	60	125	
Sc (ISICPMS)	45	He	104226.63	0.8	97.1	60	125	
Ge (IS)	74	H2	485199.94	0.8	96.0	60	125	
Ge (IS)	74	He	53768.41	0.5	96.8	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	120652.37	1.2	96.6	60	125	
Tb (IS)	159	He	717100.72	0.8	97.0	60	125	
Bi (IS)	209	He	636178.18	1.4	97.0	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 022_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 11:47:54

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	96.675	ug/l	2.5	100	90	110	
B	11	6	No Gas	248.305	ug/l	2.1	250	225	275	
Na	23	45	He	25360.370	ug/l	0.8	25000	22500	27500	
Mg	24	45	He	25601.009	ug/l	0.9	25000	22500	27500	
Al	27	45	He	25400.497	ug/l	0.9	25000	22500	27500	
K	39	45	He	25441.038	ug/l	0.4	25000	22500	27500	
Ca	40	45	H2	24915.494	ug/l	0.6	25000	22500	27500	
Ti	47	45	No Gas	103.531	ug/l	1.4	100	90	110	
V	51	45	He	99.579	ug/l	1.1	100	90	110	
Cr	52	45	He	100.729	ug/l	1.3	100	90	110	
Mn	55	45	He	101.438	ug/l	1.1	100	90	110	
Fe	56	45	H2	24976.215	ug/l	0.9	25000	22500	27500	
Co	59	45	He	101.082	ug/l	1.1	100	90	110	
Ni	60	45	He	100.354	ug/l	0.9	100	90	110	
Cu	63	45	He	101.618	ug/l	0.7	100	90	110	
Zn	66	45	He	256.023	ug/l	0.3	250	225	275	
As	75	45	He	101.303	ug/l	1.3	100	90	110	
Se	78	45	H2	98.817	ug/l	2.0	100	90	110	
Sr	88	115	He	100.653	ug/l	2.4	100	90	110	
Mo	95	115	He	99.715	ug/l	1.9	100	90	110	
Ag	107	115	He	50.353	ug/l	1.3	50	45	55	
Cd	111	115	He	100.629	ug/l	0.6	100	90	110	
Sn	118	115	He	100.992	ug/l	2.5	100	90	110	
Sb	121	115	He	100.120	ug/l	2.6	100	90	110	
Ba	137	159	He	98.709	ug/l	1.5	100	90	110	
Tl	205	209	He	100.554	ug/l	0.9	100	90	110	
[Pb]	206	209	He	100.649	ug/l	1.8				
[Pb]	207	209	He	101.156	ug/l	1.2				
Pb	208	209	He	100.681	ug/l	1.1	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	9089925.77	2.2	96.6	60	125	
Sc (ISICPMS)	45	No Gas	6491338.10	1.1	93.1	60	125	
Sc (ISICPMS)	45	H2	2466347.08	1.7	92.9	60	125	
Sc (ISICPMS)	45	He	98907.92	0.7	92.1	60	125	
Ge (IS)	74	H2	479231.84	1.1	94.8	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	53402.56	0.3	96.1	60	125	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	115091.54	1.6	92.2	60	125	
Tb (IS)	159	He	697954.09	0.7	94.4	60	125	
Bi (IS)	209	He	606890.96	1.7	92.5	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 023_Blk.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 11:50:24

Sample Name **CCB**

Comment ---

Dilution 1.0000

Multiquant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.022	ug/l	7.2	0.8	-0.8	0.8	
B	11	6	No Gas	5.026	ug/l	4.0	40	-40	40	
Na	23	45	He	8.116	ug/l	5.0	500	-500	500	
Mg	24	45	He	3.648	ug/l	6.2	200	-200	200	
Al	27	45	He	0.820	ug/l	141.0	40	-40	40	
K	39	45	He	8.393	ug/l	72.9	200	-200	200	
Ca	40	45	H2	5.559	ug/l	14.0	500	-500	500	
Ti	47	45	No Gas	3.072	ug/l	8.4	4	-4	4	
V	51	45	He	-0.464	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.174	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.054	ug/l	316.0	8	-8	8	
Fe	56	45	H2	3.055	ug/l	0.8	60	-60	60	
Co	59	45	He	0.028	ug/l	64.5	4	-4	4	
Ni	60	45	He	-0.081	ug/l	N/A	4	-4	4	
Cu	63	45	He	0.186	ug/l	6.5	4	-4	4	
Zn	66	45	He	-0.253	ug/l	N/A	16	-16	16	
As	75	45	He	-0.099	ug/l	N/A	2	-2	2	
Se	78	45	H2	0.339	ug/l	10.3	2.5	-2.5	2.5	
Sr	88	115	He	-0.021	ug/l	N/A	4	-4	4	
Mo	95	115	He	0.231	ug/l	20.4	4	-4	4	
Ag	107	115	He	0.010	ug/l	49.9	2	-2	2	
Cd	111	115	He	0.017	ug/l	100.4	2	-2	2	
Sn	118	115	He	-0.055	ug/l	N/A	16	-16	16	
Sb	121	115	He	0.026	ug/l	40.7	2	-2	2	
Ba	137	159	He	0.249	ug/l	40.3	4	-4	4	
Tl	205	209	He	0.002	ug/l	464.1	0.8	-0.8	0.8	
[Pb]	206	209	He	0.084	ug/l	26.1				
[Pb]	207	209	He	0.070	ug/l	22.0				
Pb	208	209	He	0.080	ug/l	16.8	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	9222676.95	0.7	98.0	60	125	
Sc (ISICPMS)	45	No Gas	6524961.50	0.4	93.6	60	125	
Sc (ISICPMS)	45	H2	2520103.33	0.8	95.0	60	125	
Sc (ISICPMS)	45	He	101548.34	0.8	94.6	60	125	
Ge (IS)	74	H2	472669.51	0.4	93.5	60	125	
Ge (IS)	74	He	53072.31	2.4	95.5	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	119267.69	1.2	95.5	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	706275.68	1.8	95.5	60	125	
Bi (IS)	209	He	630775.37	1.1	96.2	60	125	

DRAFT

Sample Report

File Name 024SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 11:53:45

Sample Name **MB 460-984227/1-A**

Comment ---

Dilution **1.0000**

Vial # 2101

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.015	ug/l	40.7	2000	
B	11	6	No Gas	2.412	ug/l	2.2	2000	
Na	23	45	He	15.404	ug/l	48.1	500000	
Mg	24	45	He	1.315	ug/l	26.8	500000	
Al	27	45	He	3.820	ug/l	28.3	500000	
K	39	45	He	4.437	ug/l	166.1	500000	
Ca	40	45	H2	6.389	ug/l	10.9	1000000	
Ti	47	45	No Gas	1.772	ug/l	14.8	10000	
V	51	45	He	-0.313	ug/l	N/A	5000	
Cr	52	45	He	-0.146	ug/l	N/A	20000	
Mn	55	45	He	0.062	ug/l	130.5	20000	
Fe	56	45	H2	0.853	ug/l	75.8	500000	
Co	59	45	He	0.003	ug/l	488.3	2000	
Ni	60	45	He	0.044	ug/l	367.5	20000	
Cu	63	45	He	0.151	ug/l	35.1	20000	
Zn	66	45	He	0.160	ug/l	212.3	20000	
As	75	45	He	-0.162	ug/l	N/A	5000	
Se	78	45	H2	0.144	ug/l	45.8	3000	
Sr	88	115	He	0.034	ug/l	138.8	5000	
Mo	95	115	He	0.199	ug/l	10.0	2000	
Ag	107	115	He	0.009	ug/l	121.9	1000	
Cd	111	115	He	0.023	ug/l	86.6	5000	
Sn	118	115	He	0.075	ug/l	140.4	2000	
Sb	121	115	He	0.061	ug/l	41.3	1000	
Ba	137	159	He	0.195	ug/l	94.4	20000	
Tl	205	209	He	-0.009	ug/l	N/A	1000	
[Pb]	206	209	He	0.059	ug/l	50.3		
[Pb]	207	209	He	0.054	ug/l	27.2		
Pb	208	209	He	0.063	ug/l	17.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9157844.10	0.4	97.3	60	125	
Sc (ISICPMS)	45	No Gas	6591333.44	0.6	94.6	60	125	
Sc (ISICPMS)	45	H2	2521292.10	0.9	95.0	60	125	
Sc (ISICPMS)	45	He	101063.15	0.4	94.1	60	125	
Ge (IS)	74	H2	474984.99	0.9	94.0	60	125	
Ge (IS)	74	He	52900.66	1.3	95.2	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	119209.44	0.6	95.5	60	125	
Tb (IS)	159	He	714443.95	0.5	96.6	60	125	
Bi (IS)	209	He	632200.23	1.0	96.4	60	125	

DRAFT

Sample Report

File Name 025SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 11:56:14

Sample Name **LCS 460-984227/2-A**

Comment ---

Dilution **1.0000**

Vial # 2102

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	23.387	ug/l	2.5	2000	
B	11	6	No Gas	478.171	ug/l	0.8	2000	
Na	23	45	He	2563.066	ug/l	1.6	500000	
Mg	24	45	He	2573.608	ug/l	1.4	500000	
Al	27	45	He	2515.375	ug/l	0.9	500000	
K	39	45	He	2552.522	ug/l	1.6	500000	
Ca	40	45	H2	2481.065	ug/l	1.2	1000000	
Ti	47	45	No Gas	50.031	ug/l	0.7	10000	
V	51	45	He	48.524	ug/l	1.6	5000	
Cr	52	45	He	49.218	ug/l	0.7	20000	
Mn	55	45	He	247.765	ug/l	1.8	20000	
Fe	56	45	H2	2486.479	ug/l	0.5	500000	
Co	59	45	He	24.895	ug/l	1.8	2000	
Ni	60	45	He	50.924	ug/l	2.0	20000	
Cu	63	45	He	50.168	ug/l	1.5	20000	
Zn	66	45	He	244.352	ug/l	2.1	20000	
As	75	45	He	49.683	ug/l	2.4	5000	
Se	78	45	H2	47.850	ug/l	2.9	3000	
Sr	88	115	He	48.250	ug/l	0.2	5000	
Mo	95	115	He	48.691	ug/l	2.6	2000	
Ag	107	115	He	23.506	ug/l	1.6	1000	
Cd	111	115	He	24.923	ug/l	3.5	5000	
Sn	118	115	He	48.687	ug/l	1.1	2000	
Sb	121	115	He	24.293	ug/l	1.8	1000	
Ba	137	159	He	49.747	ug/l	1.5	20000	
Tl	205	209	He	19.112	ug/l	2.2	1000	
[Pb]	206	209	He	24.638	ug/l	1.6		
[Pb]	207	209	He	24.069	ug/l	1.1		
Pb	208	209	He	24.345	ug/l	1.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9087617.71	0.8	96.5	60	125	
Sc (ISICPMS)	45	No Gas	6587084.90	0.5	94.5	60	125	
Sc (ISICPMS)	45	H2	2524560.73	0.3	95.1	60	125	
Sc (ISICPMS)	45	He	100713.51	0.5	93.8	60	125	
Ge (IS)	74	H2	474773.03	0.5	93.9	60	125	
Ge (IS)	74	He	52437.80	1.1	94.4	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	118404.17	1.5	94.8	60	125	
Tb (IS)	159	He	711523.46	1.8	96.2	60	125	
Bi (IS)	209	He	634038.09	2.1	96.6	60	125	

DRAFT

Sample Report

File Name 026SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 11:58:43

Sample Name **180-175860-D-1-D MS**

Comment ---

Dilution **1.0000**

Vial # 2103

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	23.210	ug/l	1.2	2000	
B	11	6	No Gas	3937.025	ug/l	0.4	2000	>LDR 6020B□>LDR 200.8
Na	23	45	He	29139.421	ug/l	0.9	500000	
Mg	24	45	He	14660.522	ug/l	1.0	500000	
Al	27	45	He	2483.147	ug/l	0.4	500000	
K	39	45	He	13706.758	ug/l	0.3	500000	
Ca	40	45	H2	60930.142	ug/l	3.4	1000000	
Ti	47	45	No Gas	63.713	ug/l	2.8	10000	
V	51	45	He	47.308	ug/l	2.6	5000	
Cr	52	45	He	47.246	ug/l	1.0	20000	
Mn	55	45	He	479.793	ug/l	0.2	20000	
Fe	56	45	H2	78975.184	ug/l	5.7	500000	
Co	59	45	He	38.813	ug/l	0.4	2000	
Ni	60	45	He	65.319	ug/l	0.7	20000	
Cu	63	45	He	48.774	ug/l	0.4	20000	
Zn	66	45	He	272.449	ug/l	1.0	20000	
As	75	45	He	49.268	ug/l	0.4	5000	
Se	78	45	H2	47.897	ug/l	3.3	3000	
Sr	88	115	He	2881.151	ug/l	0.3	5000	
Mo	95	115	He	56.765	ug/l	0.8	2000	
Ag	107	115	He	21.410	ug/l	4.2	1000	
Cd	111	115	He	24.494	ug/l	2.2	5000	
Sn	118	115	He	40.393	ug/l	1.5	2000	
Sb	121	115	He	14.221	ug/l	0.8	1000	
Ba	137	159	He	99311.159	ug/l	0.5	20000	>LDR 6020B□>LDR 200.8
Tl	205	209	He	19.156	ug/l	0.6	1000	
[Pb]	206	209	He	24.660	ug/l	1.1		
[Pb]	207	209	He	24.305	ug/l	1.1		
Pb	208	209	He	24.320	ug/l	0.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9690324.93	1.6	102.9	60	125	
Sc (ISICPMS)	45	No Gas	6959942.05	0.7	99.9	60	125	
Sc (ISICPMS)	45	H2	2645416.49	2.7	99.7	60	125	
Sc (ISICPMS)	45	He	106821.14	0.4	99.5	60	125	
Ge (IS)	74	H2	503372.70	1.2	99.6	60	125	
Ge (IS)	74	He	57236.98	1.9	103.0	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	126011.47	0.5	100.9	60	125	
Tb (IS)	159	He	743175.89	0.3	100.5	60	125	
Bi (IS)	209	He	654145.94	0.7	99.7	60	125	

DRAFT

Sample Report

File Name 027SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 12:01:13

Sample Name **180-175860-D-1-C DU**

Comment ---

Dilution **1.0000**

Vial # 2104

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.016	ug/l	24.0	2000	
B	11	6	No Gas	3546.488	ug/l	0.3	2000	>LDR 6020B□>LDR 200.8
Na	23	45	He	26595.828	ug/l	0.5	500000	
Mg	24	45	He	12230.607	ug/l	1.1	500000	
Al	27	45	He	2.376	ug/l	44.7	500000	
K	39	45	He	11147.065	ug/l	0.7	500000	
Ca	40	45	H2	59148.443	ug/l	2.3	1000000	
Ti	47	45	No Gas	20.545	ug/l	0.4	10000	
V	51	45	He	-1.038	ug/l	N/A	5000	
Cr	52	45	He	-0.459	ug/l	N/A	20000	
Mn	55	45	He	238.888	ug/l	0.6	20000	
Fe	56	45	H2	77195.787	ug/l	1.5	500000	
Co	59	45	He	14.678	ug/l	0.5	2000	
Ni	60	45	He	17.222	ug/l	1.5	20000	
Cu	63	45	He	0.063	ug/l	89.2	20000	
Zn	66	45	He	30.063	ug/l	7.1	20000	
As	75	45	He	1.832	ug/l	8.2	5000	
Se	78	45	H2	0.610	ug/l	12.3	3000	
Sr	88	115	He	2810.950	ug/l	0.6	5000	
Mo	95	115	He	18.548	ug/l	1.6	2000	
Ag	107	115	He	0.006	ug/l	59.8	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	-0.083	ug/l	N/A	2000	
Sb	121	115	He	0.209	ug/l	11.6	1000	
Ba	137	159	He	99800.893	ug/l	1.3	20000	>LDR 6020B□>LDR 200.8
Tl	205	209	He	-0.017	ug/l	N/A	1000	
[Pb]	206	209	He	0.063	ug/l	24.7		
[Pb]	207	209	He	0.045	ug/l	79.5		
Pb	208	209	He	0.062	ug/l	9.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9398317.92	1.1	99.8	60	125	
Sc (ISICPMS)	45	No Gas	6757509.90	0.8	97.0	60	125	
Sc (ISICPMS)	45	H2	2618602.06	0.9	98.7	60	125	
Sc (ISICPMS)	45	He	105261.10	0.6	98.0	60	125	
Ge (IS)	74	H2	503276.15	0.7	99.5	60	125	
Ge (IS)	74	He	56448.41	1.4	101.6	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	124398.54	0.2	99.6	60	125	
Tb (IS)	159	He	737482.31	1.3	99.8	60	125	
Bi (IS)	209	He	649844.35	0.6	99.1	60	125	

DRAFT

Sample Report

File Name 028SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 12:03:44

Sample Name **180-175860-D-1-B**

Comment ---

Dilution **1.0000**

Vial # 2105

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.014	ug/l	25.0	2000	
B	11	6	No Gas	3559.703	ug/l	1.7	2000	>LDR 6020B□>LDR 200.8
Na	23	45	He	26803.314	ug/l	0.4	500000	
Mg	24	45	He	12274.481	ug/l	1.0	500000	
Al	27	45	He	2.027	ug/l	32.6	500000	
K	39	45	He	11282.262	ug/l	1.2	500000	
Ca	40	45	H2	58439.129	ug/l	1.0	1000000	
Ti	47	45	No Gas	20.283	ug/l	5.0	10000	
V	51	45	He	-1.034	ug/l	N/A	5000	
Cr	52	45	He	-0.568	ug/l	N/A	20000	
Mn	55	45	He	242.334	ug/l	1.2	20000	
Fe	56	45	H2	75823.480	ug/l	1.1	500000	
Co	59	45	He	14.938	ug/l	1.2	2000	
Ni	60	45	He	17.430	ug/l	2.5	20000	
Cu	63	45	He	0.123	ug/l	53.2	20000	
Zn	66	45	He	31.723	ug/l	2.0	20000	
As	75	45	He	1.598	ug/l	8.3	5000	
Se	78	45	H2	0.242	ug/l	26.6	3000	
Sr	88	115	He	2856.975	ug/l	1.3	5000	
Mo	95	115	He	18.851	ug/l	2.9	2000	
Ag	107	115	He	0.002	ug/l	187.7	1000	
Cd	111	115	He	0.006	ug/l	173.2	5000	
Sn	118	115	He	-0.017	ug/l	N/A	2000	
Sb	121	115	He	0.398	ug/l	18.4	1000	
Ba	137	159	He	98648.459	ug/l	0.6	20000	>LDR 6020B□>LDR 200.8
Tl	205	209	He	-0.014	ug/l	N/A	1000	
[Pb]	206	209	He	0.064	ug/l	19.9		
[Pb]	207	209	He	0.079	ug/l	27.4		
Pb	208	209	He	0.075	ug/l	11.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9173068.33	1.6	97.4	60	125	
Sc (ISICPMS)	45	No Gas	6528180.11	0.6	93.7	60	125	
Sc (ISICPMS)	45	H2	2549821.28	0.3	96.1	60	125	
Sc (ISICPMS)	45	He	103104.11	0.6	96.0	60	125	
Ge (IS)	74	H2	493754.98	0.7	97.7	60	125	
Ge (IS)	74	He	55810.01	0.8	100.4	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	122154.57	1.1	97.8	60	125	
Tb (IS)	159	He	737887.56	1.0	99.8	60	125	
Bi (IS)	209	He	647777.18	1.2	98.7	60	125	

DRAFT

Sample Report

File Name 029SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 12:06:13

Sample Name **SD 180-175860-D-1-B@5**

Comment ---

Dilution **1.0000**

Vial # 2106

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.012	ug/l	10.6	2000	
B	11	6	No Gas	766.274	ug/l	1.1	2000	
Na	23	45	He	5210.887	ug/l	1.2	500000	
Mg	24	45	He	2408.513	ug/l	0.5	500000	
Al	27	45	He	1.315	ug/l	77.8	500000	
K	39	45	He	2191.013	ug/l	0.3	500000	
Ca	40	45	H2	11212.433	ug/l	1.1	1000000	
Ti	47	45	No Gas	11.469	ug/l	5.2	10000	
V	51	45	He	-0.813	ug/l	N/A	5000	
Cr	52	45	He	-0.121	ug/l	N/A	20000	
Mn	55	45	He	46.875	ug/l	1.1	20000	
Fe	56	45	H2	14773.836	ug/l	0.8	500000	
Co	59	45	He	2.806	ug/l	2.2	2000	
Ni	60	45	He	3.538	ug/l	2.4	20000	
Cu	63	45	He	0.090	ug/l	92.2	20000	
Zn	66	45	He	6.237	ug/l	7.3	20000	
As	75	45	He	0.143	ug/l	49.4	5000	
Se	78	45	H2	0.182	ug/l	90.2	3000	
Sr	88	115	He	548.627	ug/l	0.2	5000	
Mo	95	115	He	5.512	ug/l	5.4	2000	
Ag	107	115	He	0.005	ug/l	66.9	1000	
Cd	111	115	He	0.012	ug/l	86.6	5000	
Sn	118	115	He	0.091	ug/l	46.0	2000	
Sb	121	115	He	0.139	ug/l	26.8	1000	
Ba	137	159	He	18987.145	ug/l	0.9	20000	>LDR 200.8
Tl	205	209	He	-0.021	ug/l	N/A	1000	
[Pb]	206	209	He	0.048	ug/l	20.9		
[Pb]	207	209	He	0.037	ug/l	38.9		
Pb	208	209	He	0.048	ug/l	24.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8646292.44	1.4	91.8	60	125	
Sc (ISICPMS)	45	No Gas	6146873.73	0.1	88.2	60	125	
Sc (ISICPMS)	45	H2	2408816.22	0.6	90.8	60	125	
Sc (ISICPMS)	45	He	96071.57	1.4	89.5	60	125	
Ge (IS)	74	H2	463105.52	0.9	91.6	60	125	
Ge (IS)	74	He	50945.47	1.1	91.7	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	113341.82	0.3	90.8	60	125	
Tb (IS)	159	He	687020.69	0.5	92.9	60	125	
Bi (IS)	209	He	615457.28	0.6	93.8	60	125	

DRAFT

Sample Report

File Name 030SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 12:08:44

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.004	ug/l	119.6	2000	
B	11	6	No Gas	43.896	ug/l	1.8	2000	
Na	23	45	He	11.649	ug/l	38.1	500000	
Mg	24	45	He	0.214	ug/l	135.4	500000	
Al	27	45	He	-1.106	ug/l	N/A	500000	
K	39	45	He	28.211	ug/l	14.8	500000	
Ca	40	45	H2	3.483	ug/l	11.7	1000000	
Ti	47	45	No Gas	5.436	ug/l	5.7	10000	
V	51	45	He	-0.906	ug/l	N/A	5000	
Cr	52	45	He	-0.154	ug/l	N/A	20000	
Mn	55	45	He	0.080	ug/l	61.2	20000	
Fe	56	45	H2	3.429	ug/l	6.1	500000	
Co	59	45	He	-0.015	ug/l	N/A	2000	
Ni	60	45	He	-0.042	ug/l	N/A	20000	
Cu	63	45	He	0.124	ug/l	18.3	20000	
Zn	66	45	He	0.215	ug/l	101.8	20000	
As	75	45	He	-0.257	ug/l	N/A	5000	
Se	78	45	H2	0.029	ug/l	61.9	3000	
Sr	88	115	He	0.103	ug/l	73.1	5000	
Mo	95	115	He	0.474	ug/l	8.3	2000	
Ag	107	115	He	0.003	ug/l	192.5	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	0.020	ug/l	83.2	2000	
Sb	121	115	He	0.069	ug/l	28.5	1000	
Ba	137	159	He	9.722	ug/l	1.8	20000	
Tl	205	209	He	-0.022	ug/l	N/A	1000	
[Pb]	206	209	He	0.057	ug/l	24.1		
[Pb]	207	209	He	0.031	ug/l	33.7		
Pb	208	209	He	0.047	ug/l	20.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8533324.18	1.3	90.6	60	125	
Sc (ISICPMS)	45	No Gas	6094571.57	0.9	87.4	60	125	
Sc (ISICPMS)	45	H2	2364606.25	0.6	89.1	60	125	
Sc (ISICPMS)	45	He	94210.01	0.9	87.7	60	125	
Ge (IS)	74	H2	446734.90	0.9	88.4	60	125	
Ge (IS)	74	He	49903.82	1.1	89.8	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	111442.43	1.5	89.3	60	125	
Tb (IS)	159	He	679679.04	0.9	91.9	60	125	
Bi (IS)	209	He	607529.09	0.1	92.6	60	125	

DRAFT

Sample Report

File Name 031SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 12:11:13

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.008	ug/l	38.2	2000	
B	11	6	No Gas	26.629	ug/l	1.7	2000	
Na	23	45	He	14.160	ug/l	22.3	500000	
Mg	24	45	He	0.510	ug/l	62.3	500000	
Al	27	45	He	-0.069	ug/l	N/A	500000	
K	39	45	He	25.806	ug/l	51.2	500000	
Ca	40	45	H2	1.894	ug/l	45.8	1000000	
Ti	47	45	No Gas	3.678	ug/l	8.5	10000	
V	51	45	He	-0.830	ug/l	N/A	5000	
Cr	52	45	He	-0.077	ug/l	N/A	20000	
Mn	55	45	He	0.105	ug/l	10.5	20000	
Fe	56	45	H2	2.597	ug/l	16.4	500000	
Co	59	45	He	-0.012	ug/l	N/A	2000	
Ni	60	45	He	-0.085	ug/l	N/A	20000	
Cu	63	45	He	0.069	ug/l	59.0	20000	
Zn	66	45	He	0.539	ug/l	26.5	20000	
As	75	45	He	-0.133	ug/l	N/A	5000	
Se	78	45	H2	0.120	ug/l	88.2	3000	
Sr	88	115	He	0.096	ug/l	33.8	5000	
Mo	95	115	He	0.359	ug/l	19.2	2000	
Ag	107	115	He	0.004	ug/l	50.1	1000	
Cd	111	115	He	0.006	ug/l	173.2	5000	
Sn	118	115	He	-0.103	ug/l	N/A	2000	
Sb	121	115	He	0.120	ug/l	16.7	1000	
Ba	137	159	He	6.138	ug/l	8.7	20000	
Tl	205	209	He	-0.026	ug/l	N/A	1000	
[Pb]	206	209	He	0.030	ug/l	39.0		
[Pb]	207	209	He	0.028	ug/l	53.7		
Pb	208	209	He	0.038	ug/l	13.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8504467.10	0.9	90.3	60	125	
Sc (ISICPMS)	45	No Gas	6139442.06	0.3	88.1	60	125	
Sc (ISICPMS)	45	H2	2345228.51	0.1	88.4	60	125	
Sc (ISICPMS)	45	He	93417.50	0.8	87.0	60	125	
Ge (IS)	74	H2	442569.33	0.1	87.5	60	125	
Ge (IS)	74	He	49879.17	2.0	89.8	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	111870.57	1.1	89.6	60	125	
Tb (IS)	159	He	677869.13	0.8	91.7	60	125	
Bi (IS)	209	He	609471.05	0.6	92.9	60	125	

DRAFT

Sample Report

File Name 032SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 12:13:42

Sample Name **460-306890-F-4-B@2**

Comment ---

Dilution **1.0000**

Vial # 2107

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.011	ug/l	0.8	2000	
B	11	6	No Gas	125.702	ug/l	0.9	2000	
Na	23	45	He	257741.468	ug/l	0.6	500000	
Mg	24	45	He	440.291	ug/l	0.5	500000	
Al	27	45	He	4.056	ug/l	27.6	500000	
K	39	45	He	675.693	ug/l	2.8	500000	
Ca	40	45	H2	1341.081	ug/l	1.5	1000000	
Ti	47	45	No Gas	21.394	ug/l	2.1	10000	
V	51	45	He	-1.001	ug/l	N/A	5000	
Cr	52	45	He	-0.509	ug/l	N/A	20000	
Mn	55	45	He	7.697	ug/l	2.5	20000	
Fe	56	45	H2	2.102	ug/l	10.8	500000	
Co	59	45	He	0.021	ug/l	37.0	2000	
Ni	60	45	He	-0.067	ug/l	N/A	20000	
Cu	63	45	He	0.377	ug/l	8.4	20000	
Zn	66	45	He	2.080	ug/l	9.1	20000	
As	75	45	He	3.006	ug/l	9.1	5000	
Se	78	45	H2	-0.011	ug/l	N/A	3000	
Sr	88	115	He	98.773	ug/l	1.1	5000	
Mo	95	115	He	3.228	ug/l	2.6	2000	
Ag	107	115	He	0.003	ug/l	231.4	1000	
Cd	111	115	He	0.018	ug/l	173.2	5000	
Sn	118	115	He	0.130	ug/l	79.4	2000	
Sb	121	115	He	0.253	ug/l	16.4	1000	
Ba	137	159	He	21.161	ug/l	3.2	20000	
Tl	205	209	He	-0.016	ug/l	N/A	1000	
[Pb]	206	209	He	0.018	ug/l	15.0		
[Pb]	207	209	He	0.004	ug/l	520.8		
Pb	208	209	He	0.032	ug/l	11.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8520525.78	0.6	90.5	60	125	
Sc (ISICPMS)	45	No Gas	6110144.98	0.6	87.7	60	125	
Sc (ISICPMS)	45	H2	2373214.63	0.7	89.4	60	125	
Sc (ISICPMS)	45	He	95596.24	1.1	89.0	60	125	
Ge (IS)	74	H2	457181.25	1.1	90.4	60	125	
Ge (IS)	74	He	51705.87	0.7	93.0	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	110551.03	0.4	88.5	60	125	
Tb (IS)	159	He	678934.34	0.7	91.8	60	125	
Bi (IS)	209	He	589561.34	1.4	89.9	60	125	

DRAFT

Sample Report

File Name 033SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 12:16:12

Sample Name **LB 460-983012/1-G@10**

Comment ---

Dilution **1.0000**

Vial # 2108

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.010	ug/l	65.4	2000	
B	11	6	No Gas	18.218	ug/l	0.7	2000	
Na	23	45	He	165126.456	ug/l	0.8	500000	
Mg	24	45	He	0.482	ug/l	80.6	500000	
Al	27	45	He	2.447	ug/l	48.9	500000	
K	39	45	He	96.773	ug/l	2.1	500000	
Ca	40	45	H2	2.980	ug/l	16.1	1000000	
Ti	47	45	No Gas	4.427	ug/l	11.6	10000	
V	51	45	He	-0.799	ug/l	N/A	5000	
Cr	52	45	He	-0.007	ug/l	N/A	20000	
Mn	55	45	He	0.060	ug/l	108.8	20000	
Fe	56	45	H2	1.508	ug/l	20.0	500000	
Co	59	45	He	-0.013	ug/l	N/A	2000	
Ni	60	45	He	0.145	ug/l	104.9	20000	
Cu	63	45	He	0.116	ug/l	20.8	20000	
Zn	66	45	He	0.337	ug/l	118.3	20000	
As	75	45	He	-0.153	ug/l	N/A	5000	
Se	78	45	H2	0.118	ug/l	38.5	3000	
Sr	88	115	He	0.068	ug/l	84.4	5000	
Mo	95	115	He	0.272	ug/l	28.8	2000	
Ag	107	115	He	0.003	ug/l	57.0	1000	
Cd	111	115	He	0.006	ug/l	173.2	5000	
Sn	118	115	He	0.041	ug/l	107.4	2000	
Sb	121	115	He	0.067	ug/l	32.0	1000	
Ba	137	159	He	2.572	ug/l	15.7	20000	
Tl	205	209	He	-0.024	ug/l	N/A	1000	
[Pb]	206	209	He	0.017	ug/l	130.5		
[Pb]	207	209	He	0.026	ug/l	107.1		
Pb	208	209	He	0.030	ug/l	39.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8447339.87	0.9	89.7	60	125	
Sc (ISICPMS)	45	No Gas	6082716.23	1.1	87.3	60	125	
Sc (ISICPMS)	45	H2	2365267.53	0.3	89.1	60	125	
Sc (ISICPMS)	45	He	93952.77	0.8	87.5	60	125	
Ge (IS)	74	H2	447512.92	0.2	88.5	60	125	
Ge (IS)	74	He	49727.72	0.2	89.5	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	108701.53	1.2	87.1	60	125	
Tb (IS)	159	He	670356.07	0.9	90.7	60	125	
Bi (IS)	209	He	587658.71	0.8	89.6	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 034_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 12:18:41

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	96.919	ug/l	1.1	100	90	110	
B	11	6	No Gas	260.710	ug/l	0.2	250	225	275	
Na	23	45	He	25573.562	ug/l	0.5	25000	22500	27500	
Mg	24	45	He	25583.842	ug/l	0.4	25000	22500	27500	
Al	27	45	He	25312.622	ug/l	0.9	25000	22500	27500	
K	39	45	He	25193.357	ug/l	0.6	25000	22500	27500	
Ca	40	45	H2	24902.264	ug/l	0.6	25000	22500	27500	
Ti	47	45	No Gas	102.380	ug/l	1.7	100	90	110	
V	51	45	He	98.803	ug/l	1.6	100	90	110	
Cr	52	45	He	100.711	ug/l	2.0	100	90	110	
Mn	55	45	He	101.041	ug/l	0.6	100	90	110	
Fe	56	45	H2	25083.350	ug/l	0.5	25000	22500	27500	
Co	59	45	He	100.409	ug/l	1.6	100	90	110	
Ni	60	45	He	99.896	ug/l	1.3	100	90	110	
Cu	63	45	He	102.176	ug/l	1.6	100	90	110	
Zn	66	45	He	254.522	ug/l	1.0	250	225	275	
As	75	45	He	100.447	ug/l	1.9	100	90	110	
Se	78	45	H2	102.376	ug/l	3.0	100	90	110	
Sr	88	115	He	100.115	ug/l	0.5	100	90	110	
Mo	95	115	He	100.496	ug/l	2.0	100	90	110	
Ag	107	115	He	50.075	ug/l	2.3	50	45	55	
Cd	111	115	He	101.517	ug/l	1.4	100	90	110	
Sn	118	115	He	101.308	ug/l	0.2	100	90	110	
Sb	121	115	He	100.748	ug/l	0.7	100	90	110	
Ba	137	159	He	100.563	ug/l	1.5	100	90	110	
Tl	205	209	He	99.731	ug/l	1.1	100	90	110	
[Pb]	206	209	He	101.009	ug/l	1.4				
[Pb]	207	209	He	100.634	ug/l	1.5				
Pb	208	209	He	100.656	ug/l	1.0	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	8605736.95	0.8	91.4	60	125	
Sc (ISICPMS)	45	No Gas	6197150.95	1.2	88.9	60	125	
Sc (ISICPMS)	45	H2	2394536.11	0.4	90.2	60	125	
Sc (ISICPMS)	45	He	94867.20	0.2	88.3	60	125	
Ge (IS)	74	H2	459711.07	0.8	90.9	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	51486.39	1.1	92.7	60	125	
Kr	83	He	6.67	173.2	200.0			
In-1	115	He	110511.50	0.8	88.5	60	125	
Tb (IS)	159	He	675924.79	0.6	91.4	60	125	
Bi (IS)	209	He	592548.09	1.5	90.3	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 035_Blk.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 12:21:11

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.020	ug/l	32.8	0.8	-0.8	0.8	
B	11	6	No Gas	13.169	ug/l	1.7	40	-40	40	
Na	23	45	He	29.546	ug/l	33.8	500	-500	500	
Mg	24	45	He	0.020	ug/l	3266.5	200	-200	200	
Al	27	45	He	-0.748	ug/l	N/A	40	-40	40	
K	39	45	He	29.681	ug/l	24.5	200	-200	200	
Ca	40	45	H2	1.685	ug/l	29.1	500	-500	500	
Ti	47	45	No Gas	2.962	ug/l	2.7	4	-4	4	
V	51	45	He	-0.591	ug/l	N/A	4	-4	4	
Cr	52	45	He	0.138	ug/l	124.0	4	-4	4	
Mn	55	45	He	0.123	ug/l	55.8	8	-8	8	
Fe	56	45	H2	3.117	ug/l	0.9	60	-60	60	
Co	59	45	He	0.005	ug/l	182.3	4	-4	4	
Ni	60	45	He	-0.133	ug/l	N/A	4	-4	4	
Cu	63	45	He	0.107	ug/l	52.9	4	-4	4	
Zn	66	45	He	-0.283	ug/l	N/A	16	-16	16	
As	75	45	He	-0.120	ug/l	N/A	2	-2	2	
Se	78	45	H2	0.197	ug/l	38.6	2.5	-2.5	2.5	
Sr	88	115	He	0.074	ug/l	101.8	4	-4	4	
Mo	95	115	He	0.243	ug/l	41.2	4	-4	4	
Ag	107	115	He	0.006	ug/l	21.6	2	-2	2	
Cd	111	115	He	0.000	ug/l	N/A	2	-2	2	
Sn	118	115	He	0.402	ug/l	154.8	16	-16	16	
Sb	121	115	He	0.047	ug/l	66.4	2	-2	2	
Ba	137	159	He	1.942	ug/l	14.6	4	-4	4	
Tl	205	209	He	-0.005	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.029	ug/l	61.7				
[Pb]	207	209	He	-0.010	ug/l	N/A				
Pb	208	209	He	0.021	ug/l	22.6	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	8718155.22	0.4	92.6	60	125	
Sc (ISICPMS)	45	No Gas	6201371.16	0.8	89.0	60	125	
Sc (ISICPMS)	45	H2	2368236.67	0.9	89.3	60	125	
Sc (ISICPMS)	45	He	94308.91	1.3	87.8	60	125	
Ge (IS)	74	H2	449806.70	0.2	89.0	60	125	
Ge (IS)	74	He	49614.85	1.1	89.3	60	125	
Kr	83	He	16.68	34.6	500.0			
In-1	115	He	112787.73	1.1	90.3	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	681887.42	0.8	92.2	60	125	
Bi (IS)	209	He	609470.87	0.7	92.9	60	125	

DRAFT

Sample Report

File Name 036SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 12:23:42

Sample Name **MB 460-984184/1-A**

Comment ---

Dilution **1.0000**

Vial # 3101

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.010	ug/l	1.4	2000	
B	11	6	No Gas	10.005	ug/l	2.8	2000	
Na	23	45	He	33.033	ug/l	22.2	500000	
Mg	24	45	He	0.200	ug/l	483.2	500000	
Al	27	45	He	1.471	ug/l	37.4	500000	
K	39	45	He	19.042	ug/l	58.3	500000	
Ca	40	45	H2	3.126	ug/l	6.3	1000000	
Ti	47	45	No Gas	2.335	ug/l	11.5	10000	
V	51	45	He	-0.743	ug/l	N/A	5000	
Cr	52	45	He	-0.200	ug/l	N/A	20000	
Mn	55	45	He	0.027	ug/l	227.7	20000	
Fe	56	45	H2	1.641	ug/l	21.3	500000	
Co	59	45	He	0.003	ug/l	240.2	2000	
Ni	60	45	He	-0.051	ug/l	N/A	20000	
Cu	63	45	He	0.085	ug/l	29.5	20000	
Zn	66	45	He	0.349	ug/l	110.4	20000	
As	75	45	He	-0.172	ug/l	N/A	5000	
Se	78	45	H2	0.038	ug/l	119.5	3000	
Sr	88	115	He	0.006	ug/l	163.0	5000	
Mo	95	115	He	0.220	ug/l	28.1	2000	
Ag	107	115	He	0.003	ug/l	2.4	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	-0.010	ug/l	N/A	2000	
Sb	121	115	He	-0.001	ug/l	N/A	1000	
Ba	137	159	He	1.653	ug/l	8.1	20000	
Tl	205	209	He	-0.021	ug/l	N/A	1000	
[Pb]	206	209	He	0.012	ug/l	35.6		
[Pb]	207	209	He	0.009	ug/l	145.9		
Pb	208	209	He	0.028	ug/l	13.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8649079.45	1.0	91.9	60	125	
Sc (ISICPMS)	45	No Gas	6274475.05	0.3	90.0	60	125	
Sc (ISICPMS)	45	H2	2381168.12	0.8	89.7	60	125	
Sc (ISICPMS)	45	He	94729.04	1.5	88.2	60	125	
Ge (IS)	74	H2	450544.67	0.6	89.1	60	125	
Ge (IS)	74	He	50056.70	0.9	90.1	60	125	
Kr	83	He	6.67	86.6	200.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	111795.58	1.0	89.5	60	125	
Tb (IS)	159	He	673235.59	0.7	91.1	60	125	
Bi (IS)	209	He	605595.26	1.1	92.3	60	125	

DRAFT

Sample Report

File Name 037SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 12:26:11

Sample Name **LCS 460-984184/2-A**

Comment ---

Dilution **1.0000**

Vial # 3102

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	23.607	ug/l	2.2	2000	
B	11	6	No Gas	485.489	ug/l	0.4	2000	
Na	23	45	He	2626.533	ug/l	1.4	500000	
Mg	24	45	He	2602.763	ug/l	0.5	500000	
Al	27	45	He	2569.506	ug/l	0.5	500000	
K	39	45	He	2583.340	ug/l	0.5	500000	
Ca	40	45	H2	2595.472	ug/l	0.9	1000000	
Ti	47	45	No Gas	52.020	ug/l	1.8	10000	
V	51	45	He	49.091	ug/l	2.7	5000	
Cr	52	45	He	50.054	ug/l	1.4	20000	
Mn	55	45	He	255.067	ug/l	1.3	20000	
Fe	56	45	H2	4167.139	ug/l	1.2	500000	
Co	59	45	He	25.316	ug/l	0.6	2000	
Ni	60	45	He	51.833	ug/l	1.6	20000	
Cu	63	45	He	52.289	ug/l	1.2	20000	
Zn	66	45	He	253.216	ug/l	0.8	20000	
As	75	45	He	49.210	ug/l	4.0	5000	
Se	78	45	H2	48.928	ug/l	1.1	3000	
Sr	88	115	He	48.823	ug/l	0.3	5000	
Mo	95	115	He	48.489	ug/l	0.6	2000	
Ag	107	115	He	25.202	ug/l	1.2	1000	
Cd	111	115	He	25.142	ug/l	2.8	5000	
Sn	118	115	He	51.211	ug/l	1.4	2000	
Sb	121	115	He	24.892	ug/l	2.3	1000	
Ba	137	159	He	49.777	ug/l	0.8	20000	
Tl	205	209	He	19.597	ug/l	1.1	1000	
[Pb]	206	209	He	25.460	ug/l	1.2		
[Pb]	207	209	He	24.939	ug/l	1.3		
Pb	208	209	He	25.066	ug/l	0.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8984746.95	0.3	95.4	60	125	
Sc (ISICPMS)	45	No Gas	6477023.79	0.9	92.9	60	125	
Sc (ISICPMS)	45	H2	2462394.39	0.3	92.8	60	125	
Sc (ISICPMS)	45	He	98450.70	0.9	91.7	60	125	
Ge (IS)	74	H2	459510.28	0.3	90.9	60	125	
Ge (IS)	74	He	51861.10	1.7	93.3	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	115496.79	0.4	92.5	60	125	
Tb (IS)	159	He	699424.11	0.9	94.6	60	125	
Bi (IS)	209	He	620552.82	0.8	94.6	60	125	

DRAFT

Sample Report

File Name 038SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 12:28:42

Sample Name **PDS 460-306510-E-7-E**

Comment ---

Dilution **1.0000**

Vial # 3103

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	22.429	ug/l	0.8	2000	
B	11	6	No Gas	572.150	ug/l	0.8	2000	
Na	23	45	He	3076077.204	ug/l	1.8	500000	>LDR 6020B□>LDR 200.8
Mg	24	45	He	8968.671	ug/l	3.5	500000	
Al	27	45	He	30382.940	ug/l	1.6	500000	
K	39	45	He	4907.838	ug/l	2.3	500000	
Ca	40	45	H2	9305.707	ug/l	2.1	1000000	
Ti	47	45	No Gas	72.000	ug/l	2.4	10000	
V	51	45	He	1051.843	ug/l	1.3	5000	
Cr	52	45	He	323.912	ug/l	1.0	20000	
Mn	55	45	He	238.208	ug/l	2.5	20000	
Fe	56	45	H2	2699.201	ug/l	2.7	500000	
Co	59	45	He	23.136	ug/l	3.0	2000	
Ni	60	45	He	45.674	ug/l	0.9	20000	
Cu	63	45	He	47.675	ug/l	3.9	20000	
Zn	66	45	He	240.592	ug/l	1.2	20000	
As	75	45	He	149.550	ug/l	1.2	5000	
Se	78	45	H2	54.122	ug/l	1.5	3000	
Sr	88	115	He	78.350	ug/l	3.3	5000	
Mo	95	115	He	94.810	ug/l	1.9	2000	
Ag	107	115	He	22.676	ug/l	1.5	1000	
Cd	111	115	He	24.988	ug/l	1.1	5000	
Sn	118	115	He	49.967	ug/l	2.2	2000	
Sb	121	115	He	26.315	ug/l	3.0	1000	
Ba	137	159	He	54.283	ug/l	6.3	20000	
Tl	205	209	He	19.967	ug/l	1.3	1000	
[Pb]	206	209	He	26.462	ug/l	4.6		
[Pb]	207	209	He	26.107	ug/l	1.7		
Pb	208	209	He	26.368	ug/l	1.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8206007.24	0.6	87.2	60	125	
Sc (ISICPMS)	45	No Gas	6004571.30	0.7	86.2	60	125	
Sc (ISICPMS)	45	H2	2294121.02	0.6	86.5	60	125	
Sc (ISICPMS)	45	He	93480.12	1.9	87.1	60	125	
Ge (IS)	74	H2	431987.17	0.3	85.4	60	125	
Ge (IS)	74	He	50628.65	1.0	91.1	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	105458.57	1.4	84.5	60	125	
Tb (IS)	159	He	647823.85	4.0	87.6	60	125	
Bi (IS)	209	He	539500.34	1.0	82.2	60	125	

DRAFT

Sample Report

File Name 039SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 12:38:41

Sample Name **PDS 460-306510-E-7-E@10**

Comment ---

Dilution **1.0000**

Vial # 3103

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	23.198	ug/l	1.7	2000	
B	11	6	No Gas	500.866	ug/l	1.2	2000	
Na	23	45	He	320626.119	ug/l	0.2	500000	
Mg	24	45	He	3184.108	ug/l	0.4	500000	
Al	27	45	He	5357.958	ug/l	0.2	500000	
K	39	45	He	2753.117	ug/l	0.8	500000	
Ca	40	45	H2	3155.642	ug/l	1.4	1000000	
Ti	47	45	No Gas	51.312	ug/l	0.6	10000	
V	51	45	He	151.470	ug/l	0.1	5000	
Cr	52	45	He	76.524	ug/l	1.3	20000	
Mn	55	45	He	239.858	ug/l	0.3	20000	
Fe	56	45	H2	2482.203	ug/l	1.1	500000	
Co	59	45	He	24.356	ug/l	0.8	2000	
Ni	60	45	He	47.590	ug/l	0.9	20000	
Cu	63	45	He	48.609	ug/l	1.3	20000	
Zn	66	45	He	238.584	ug/l	1.1	20000	
As	75	45	He	59.742	ug/l	1.4	5000	
Se	78	45	H2	48.412	ug/l	5.1	3000	
Sr	88	115	He	50.106	ug/l	1.7	5000	
Mo	95	115	He	52.337	ug/l	2.1	2000	
Ag	107	115	He	16.908	ug/l	2.1	1000	
Cd	111	115	He	24.846	ug/l	1.9	5000	
Sn	118	115	He	49.080	ug/l	2.9	2000	
Sb	121	115	He	24.605	ug/l	2.7	1000	
Ba	137	159	He	49.122	ug/l	2.3	20000	
Tl	205	209	He	19.416	ug/l	1.7	1000	
[Pb]	206	209	He	25.255	ug/l	1.2		
[Pb]	207	209	He	24.639	ug/l	0.7		
Pb	208	209	He	24.820	ug/l	1.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8631520.98	0.5	91.7	60	125	
Sc (ISICPMS)	45	No Gas	6306158.45	0.9	90.5	60	125	
Sc (ISICPMS)	45	H2	2432620.61	1.1	91.7	60	125	
Sc (ISICPMS)	45	He	95154.40	0.5	88.6	60	125	
Ge (IS)	74	H2	471585.70	0.4	93.3	60	125	
Ge (IS)	74	He	52288.21	0.9	94.1	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	110182.57	0.4	88.2	60	125	
Tb (IS)	159	He	672156.81	1.0	90.9	60	125	
Bi (IS)	209	He	586980.38	1.5	89.5	60	125	

DRAFT

Sample Report

File Name 040SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 12:41:10

Sample Name **460-306510-E-7-H MSD@10**

Comment ---

Dilution **1.0000**

Vial # 3104

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	2.168	ug/l	1.6	2000	
B	11	6	No Gas	65.024	ug/l	1.7	2000	
Na	23	45	He	290728.680	ug/l	2.5	500000	
Mg	24	45	He	838.979	ug/l	2.6	500000	
Al	27	45	He	2815.548	ug/l	3.3	500000	
K	39	45	He	473.419	ug/l	2.4	500000	
Ca	40	45	H2	902.376	ug/l	2.1	1000000	
Ti	47	45	No Gas	7.094	ug/l	4.1	10000	
V	51	45	He	97.899	ug/l	2.4	5000	
Cr	52	45	He	30.751	ug/l	4.3	20000	
Mn	55	45	He	21.853	ug/l	2.0	20000	
Fe	56	45	H2	256.998	ug/l	2.0	500000	
Co	59	45	He	2.165	ug/l	3.8	2000	
Ni	60	45	He	4.102	ug/l	5.1	20000	
Cu	63	45	He	4.588	ug/l	3.8	20000	
Zn	66	45	He	22.230	ug/l	2.1	20000	
As	75	45	He	12.651	ug/l	7.0	5000	
Se	78	45	H2	5.302	ug/l	9.0	3000	
Sr	88	115	He	6.846	ug/l	3.0	5000	
Mo	95	115	He	8.575	ug/l	1.1	2000	
Ag	107	115	He	2.298	ug/l	2.1	1000	
Cd	111	115	He	2.398	ug/l	7.5	5000	
Sn	118	115	He	4.809	ug/l	5.7	2000	
Sb	121	115	He	2.293	ug/l	4.9	1000	
Ba	137	159	He	5.217	ug/l	9.8	20000	
Tl	205	209	He	1.705	ug/l	1.9	1000	
[Pb]	206	209	He	2.291	ug/l	1.3		
[Pb]	207	209	He	2.223	ug/l	0.7		
Pb	208	209	He	2.298	ug/l	2.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8591123.20	1.2	91.3	60	125	
Sc (ISICPMS)	45	No Gas	6282993.93	0.6	90.2	60	125	
Sc (ISICPMS)	45	H2	2394716.35	1.0	90.2	60	125	
Sc (ISICPMS)	45	He	94934.89	0.9	88.4	60	125	
Ge (IS)	74	H2	465447.15	0.6	92.1	60	125	
Ge (IS)	74	He	51748.42	0.6	93.1	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	110365.73	0.7	88.4	60	125	
Tb (IS)	159	He	673393.85	0.5	91.1	60	125	
Bi (IS)	209	He	587728.90	0.4	89.6	60	125	

DRAFT

Sample Report

File Name 041SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 12:43:41

Sample Name **460-306510-E-7-G MS@10**

Comment ---

Dilution **1.0000**

Vial # 3105

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	2.241	ug/l	0.4	2000	
B	11	6	No Gas	63.093	ug/l	1.4	2000	
Na	23	45	He	302926.180	ug/l	0.3	500000	
Mg	24	45	He	874.299	ug/l	1.1	500000	
Al	27	45	He	2926.590	ug/l	0.6	500000	
K	39	45	He	492.121	ug/l	4.2	500000	
Ca	40	45	H2	903.470	ug/l	0.6	1000000	
Ti	47	45	No Gas	8.085	ug/l	11.8	10000	
V	51	45	He	103.470	ug/l	0.6	5000	
Cr	52	45	He	32.037	ug/l	0.5	20000	
Mn	55	45	He	24.183	ug/l	4.3	20000	
Fe	56	45	H2	287.271	ug/l	1.2	500000	
Co	59	45	He	2.295	ug/l	5.5	2000	
Ni	60	45	He	4.477	ug/l	2.9	20000	
Cu	63	45	He	5.051	ug/l	2.9	20000	
Zn	66	45	He	23.399	ug/l	2.3	20000	
As	75	45	He	13.673	ug/l	2.3	5000	
Se	78	45	H2	5.402	ug/l	23.1	3000	
Sr	88	115	He	7.420	ug/l	7.4	5000	
Mo	95	115	He	9.167	ug/l	2.8	2000	
Ag	107	115	He	2.374	ug/l	5.3	1000	
Cd	111	115	He	2.240	ug/l	4.2	5000	
Sn	118	115	He	5.079	ug/l	10.3	2000	
Sb	121	115	He	2.485	ug/l	4.7	1000	
Ba	137	159	He	5.558	ug/l	10.4	20000	
Tl	205	209	He	1.855	ug/l	1.4	1000	
[Pb]	206	209	He	2.537	ug/l	4.1		
[Pb]	207	209	He	2.376	ug/l	3.4		
Pb	208	209	He	2.458	ug/l	2.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8636975.43	0.4	91.7	60	125	
Sc (ISICPMS)	45	No Gas	6251612.41	0.3	89.7	60	125	
Sc (ISICPMS)	45	H2	2383836.58	1.3	89.8	60	125	
Sc (ISICPMS)	45	He	93603.20	0.4	87.2	60	125	
Ge (IS)	74	H2	462381.08	1.1	91.5	60	125	
Ge (IS)	74	He	50611.92	0.7	91.1	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	108767.61	1.1	87.1	60	125	
Tb (IS)	159	He	668064.42	0.1	90.4	60	125	
Bi (IS)	209	He	580664.48	0.6	88.5	60	125	

DRAFT

Sample Report

File Name 042SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 12:46:10

Sample Name **460-306510-E-7-F DU@10**

Comment ---

Dilution **1.0000**

Vial # 3106

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.005	ug/l	72.2	2000	
B	11	6	No Gas	15.442	ug/l	0.7	2000	
Na	23	45	He	288807.324	ug/l	1.2	500000	
Mg	24	45	He	631.351	ug/l	1.6	500000	
Al	27	45	He	2636.205	ug/l	1.5	500000	
K	39	45	He	243.404	ug/l	3.1	500000	
Ca	40	45	H2	658.331	ug/l	1.2	1000000	
Ti	47	45	No Gas	2.722	ug/l	7.7	10000	
V	51	45	He	93.761	ug/l	1.8	5000	
Cr	52	45	He	26.265	ug/l	0.9	20000	
Mn	55	45	He	0.726	ug/l	7.8	20000	
Fe	56	45	H2	60.781	ug/l	2.0	500000	
Co	59	45	He	0.029	ug/l	30.5	2000	
Ni	60	45	He	-0.018	ug/l	N/A	20000	
Cu	63	45	He	0.312	ug/l	21.9	20000	
Zn	66	45	He	0.577	ug/l	48.9	20000	
As	75	45	He	9.120	ug/l	9.3	5000	
Se	78	45	H2	0.306	ug/l	69.9	3000	
Sr	88	115	He	2.782	ug/l	7.2	5000	
Mo	95	115	He	4.118	ug/l	1.6	2000	
Ag	107	115	He	0.067	ug/l	30.4	1000	
Cd	111	115	He	0.012	ug/l	86.6	5000	
Sn	118	115	He	0.072	ug/l	202.0	2000	
Sb	121	115	He	0.097	ug/l	51.1	1000	
Ba	137	159	He	0.613	ug/l	25.8	20000	
Tl	205	209	He	-0.029	ug/l	N/A	1000	
[Pb]	206	209	He	0.150	ug/l	17.3		
[Pb]	207	209	He	0.146	ug/l	10.5		
Pb	208	209	He	0.144	ug/l	4.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8578207.23	0.6	91.1	60	125	
Sc (ISICPMS)	45	No Gas	6325566.36	0.7	90.8	60	125	
Sc (ISICPMS)	45	H2	2365593.71	0.7	89.2	60	125	
Sc (ISICPMS)	45	He	94421.40	0.8	87.9	60	125	
Ge (IS)	74	H2	462952.61	1.1	91.6	60	125	
Ge (IS)	74	He	51827.69	1.3	93.3	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	109663.32	0.8	87.8	60	125	
Tb (IS)	159	He	671323.12	0.5	90.8	60	125	
Bi (IS)	209	He	584899.44	0.9	89.2	60	125	

DRAFT

Sample Report

File Name 043SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 12:48:41

Sample Name **460-306510-E-7-E@10**

Comment ---

Dilution **1.0000**

Vial # 3107

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.008	ug/l	21.4	2000	
B	11	6	No Gas	15.192	ug/l	2.7	2000	
Na	23	45	He	312896.715	ug/l	0.8	500000	
Mg	24	45	He	669.499	ug/l	1.9	500000	
Al	27	45	He	2812.097	ug/l	1.7	500000	
K	39	45	He	265.786	ug/l	3.7	500000	
Ca	40	45	H2	708.758	ug/l	1.0	1000000	
Ti	47	45	No Gas	2.849	ug/l	11.8	10000	
V	51	45	He	102.201	ug/l	0.7	5000	
Cr	52	45	He	28.787	ug/l	3.3	20000	
Mn	55	45	He	0.808	ug/l	6.4	20000	
Fe	56	45	H2	38.543	ug/l	0.8	500000	
Co	59	45	He	-0.004	ug/l	N/A	2000	
Ni	60	45	He	-0.075	ug/l	N/A	20000	
Cu	63	45	He	0.415	ug/l	12.0	20000	
Zn	66	45	He	0.676	ug/l	89.2	20000	
As	75	45	He	8.926	ug/l	6.7	5000	
Se	78	45	H2	0.278	ug/l	34.8	3000	
Sr	88	115	He	2.760	ug/l	3.0	5000	
Mo	95	115	He	4.360	ug/l	8.1	2000	
Ag	107	115	He	0.058	ug/l	32.3	1000	
Cd	111	115	He	0.019	ug/l	100.3	5000	
Sn	118	115	He	0.051	ug/l	346.9	2000	
Sb	121	115	He	0.117	ug/l	22.3	1000	
Ba	137	159	He	0.769	ug/l	9.8	20000	
Tl	205	209	He	-0.032	ug/l	N/A	1000	
[Pb]	206	209	He	0.155	ug/l	15.8		
[Pb]	207	209	He	0.129	ug/l	16.9		
Pb	208	209	He	0.137	ug/l	2.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8454689.81	1.6	89.8	60	125	
Sc (ISICPMS)	45	No Gas	6158036.72	0.5	88.4	60	125	
Sc (ISICPMS)	45	H2	2359010.52	0.8	88.9	60	125	
Sc (ISICPMS)	45	He	93976.29	0.7	87.5	60	125	
Ge (IS)	74	H2	459661.18	0.8	90.9	60	125	
Ge (IS)	74	He	50849.53	1.1	91.5	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	108392.67	1.1	86.8	60	125	
Tb (IS)	159	He	661525.32	0.7	89.5	60	125	
Bi (IS)	209	He	581397.02	0.6	88.6	60	125	

DRAFT

Sample Report

File Name 044SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 12:51:11

Sample Name **SD 460-306510-E-7-E@50**

Comment ---

Dilution **1.0000**

Vial # 3108

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.004	ug/l	66.2	2000	
B	11	6	No Gas	6.838	ug/l	1.7	2000	
Na	23	45	He	78313.459	ug/l	0.6	500000	
Mg	24	45	He	167.985	ug/l	1.4	500000	
Al	27	45	He	708.279	ug/l	1.1	500000	
K	39	45	He	89.209	ug/l	4.2	500000	
Ca	40	45	H2	176.021	ug/l	0.8	1000000	
Ti	47	45	No Gas	0.696	ug/l	23.1	10000	
V	51	45	He	24.406	ug/l	0.3	5000	
Cr	52	45	He	7.054	ug/l	2.3	20000	
Mn	55	45	He	0.355	ug/l	61.0	20000	
Fe	56	45	H2	10.563	ug/l	1.6	500000	
Co	59	45	He	0.005	ug/l	448.7	2000	
Ni	60	45	He	-0.200	ug/l	N/A	20000	
Cu	63	45	He	0.120	ug/l	36.7	20000	
Zn	66	45	He	0.297	ug/l	104.6	20000	
As	75	45	He	2.282	ug/l	13.0	5000	
Se	78	45	H2	0.107	ug/l	46.9	3000	
Sr	88	115	He	0.662	ug/l	20.0	5000	
Mo	95	115	He	1.115	ug/l	12.9	2000	
Ag	107	115	He	0.018	ug/l	45.2	1000	
Cd	111	115	He	0.006	ug/l	173.2	5000	
Sn	118	115	He	0.011	ug/l	1747.4	2000	
Sb	121	115	He	0.069	ug/l	41.3	1000	
Ba	137	159	He	0.326	ug/l	39.4	20000	
Tl	205	209	He	-0.028	ug/l	N/A	1000	
[Pb]	206	209	He	0.051	ug/l	19.3		
[Pb]	207	209	He	0.040	ug/l	96.2		
Pb	208	209	He	0.055	ug/l	18.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8666571.40	1.3	92.1	60	125	
Sc (ISICPMS)	45	No Gas	6315205.95	0.2	90.6	60	125	
Sc (ISICPMS)	45	H2	2379375.76	0.8	89.7	60	125	
Sc (ISICPMS)	45	He	94108.00	0.1	87.6	60	125	
Ge (IS)	74	H2	461754.56	0.8	91.3	60	125	
Ge (IS)	74	He	50698.84	0.8	91.2	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	110894.92	1.4	88.8	60	125	
Tb (IS)	159	He	673076.53	0.5	91.0	60	125	
Bi (IS)	209	He	597884.47	1.1	91.1	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 045_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 12:53:40

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	97.427	ug/l	1.1	100	90	110	
B	11	6	No Gas	252.641	ug/l	0.4	250	225	275	
Na	23	45	He	25710.580	ug/l	1.2	25000	22500	27500	
Mg	24	45	He	25546.845	ug/l	2.0	25000	22500	27500	
Al	27	45	He	25043.239	ug/l	1.4	25000	22500	27500	
K	39	45	He	25210.863	ug/l	1.3	25000	22500	27500	
Ca	40	45	H2	25129.058	ug/l	2.3	25000	22500	27500	
Ti	47	45	No Gas	100.048	ug/l	2.6	100	90	110	
V	51	45	He	99.172	ug/l	0.8	100	90	110	
Cr	52	45	He	101.135	ug/l	1.2	100	90	110	
Mn	55	45	He	99.585	ug/l	2.0	100	90	110	
Fe	56	45	H2	25489.033	ug/l	2.3	25000	22500	27500	
Co	59	45	He	100.882	ug/l	1.7	100	90	110	
Ni	60	45	He	99.529	ug/l	0.1	100	90	110	
Cu	63	45	He	101.561	ug/l	1.5	100	90	110	
Zn	66	45	He	248.448	ug/l	1.3	250	225	275	
As	75	45	He	98.409	ug/l	2.2	100	90	110	
Se	78	45	H2	102.223	ug/l	5.2	100	90	110	
Sr	88	115	He	98.640	ug/l	1.5	100	90	110	
Mo	95	115	He	100.767	ug/l	2.2	100	90	110	
Ag	107	115	He	50.456	ug/l	1.4	50	45	55	
Cd	111	115	He	101.037	ug/l	2.0	100	90	110	
Sn	118	115	He	101.919	ug/l	1.4	100	90	110	
Sb	121	115	He	101.704	ug/l	1.0	100	90	110	
Ba	137	159	He	97.478	ug/l	2.0	100	90	110	
Tl	205	209	He	100.256	ug/l	0.6	100	90	110	
[Pb]	206	209	He	100.823	ug/l	0.9				
[Pb]	207	209	He	100.263	ug/l	0.7				
Pb	208	209	He	100.837	ug/l	0.6	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	8545504.53	0.5	90.8	60	125	
Sc (ISICPMS)	45	No Gas	6260637.13	1.6	89.8	60	125	
Sc (ISICPMS)	45	H2	2355460.87	1.0	88.8	60	125	
Sc (ISICPMS)	45	He	93927.35	1.4	87.5	60	125	
Ge (IS)	74	H2	453389.89	0.5	89.7	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	50465.91	0.8	90.8	60	125	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	108412.10	1.0	86.8	60	125	
Tb (IS)	159	He	666971.89	0.9	90.2	60	125	
Bi (IS)	209	He	584836.84	0.8	89.1	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 046_Blk.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 12:56:08

Sample Name **CCB**

Comment ---

Dilution 1.0000

Multiquant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.006	ug/l	28.7	0.8	-0.8	0.8	
B	11	6	No Gas	6.765	ug/l	0.8	40	-40	40	
Na	23	45	He	82.618	ug/l	6.2	500	-500	500	
Mg	24	45	He	0.197	ug/l	325.9	200	-200	200	
Al	27	45	He	-0.321	ug/l	N/A	40	-40	40	
K	39	45	He	20.489	ug/l	15.5	200	-200	200	
Ca	40	45	H2	-0.187	ug/l	N/A	500	-500	500	
Ti	47	45	No Gas	0.982	ug/l	3.9	4	-4	4	
V	51	45	He	-0.352	ug/l	N/A	4	-4	4	
Cr	52	45	He	0.112	ug/l	202.5	4	-4	4	
Mn	55	45	He	0.076	ug/l	74.6	8	-8	8	
Fe	56	45	H2	2.915	ug/l	13.0	60	-60	60	
Co	59	45	He	-0.007	ug/l	N/A	4	-4	4	
Ni	60	45	He	-0.039	ug/l	N/A	4	-4	4	
Cu	63	45	He	0.065	ug/l	103.4	4	-4	4	
Zn	66	45	He	-0.016	ug/l	N/A	16	-16	16	
As	75	45	He	-0.033	ug/l	N/A	2	-2	2	
Se	78	45	H2	0.194	ug/l	29.3	2.5	-2.5	2.5	
Sr	88	115	He	-0.025	ug/l	N/A	4	-4	4	
Mo	95	115	He	0.158	ug/l	10.8	4	-4	4	
Ag	107	115	He	0.003	ug/l	116.8	2	-2	2	
Cd	111	115	He	0.000	ug/l	N/A	2	-2	2	
Sn	118	115	He	0.078	ug/l	181.6	16	-16	16	
Sb	121	115	He	0.045	ug/l	85.4	2	-2	2	
Ba	137	159	He	0.443	ug/l	35.3	4	-4	4	
Tl	205	209	He	-0.018	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	-0.011	ug/l	N/A				
[Pb]	207	209	He	-0.014	ug/l	N/A				
Pb	208	209	He	0.007	ug/l	84.4	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	8515073.07	0.5	90.4	60	125	
Sc (ISICPMS)	45	No Gas	6273656.29	1.3	90.0	60	125	
Sc (ISICPMS)	45	H2	2389996.13	1.0	90.1	60	125	
Sc (ISICPMS)	45	He	94163.52	0.2	87.7	60	125	
Ge (IS)	74	H2	448004.52	0.6	88.6	60	125	
Ge (IS)	74	He	49504.59	0.3	89.1	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	109951.01	1.5	88.1	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	664341.91	1.3	89.9	60	125	
Bi (IS)	209	He	599681.61	0.9	91.4	60	125	

DRAFT

Sample Report

File Name 047SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 12:58:39

Sample Name **460-306917-A-4-C MS@5**

Comment ---

Dilution **1.0000**

Vial # 2109

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.006	ug/l	36.8	2000	
B	11	6	No Gas	24.658	ug/l	2.5	2000	
Na	23	45	He	199471.124	ug/l	1.5	500000	
Mg	24	45	He	3558.439	ug/l	2.0	500000	
Al	27	45	He	1.044	ug/l	82.5	500000	
K	39	45	He	806.284	ug/l	1.9	500000	
Ca	40	45	H2	18777.488	ug/l	1.5	1000000	
Ti	47	45	No Gas	0.761	ug/l	4.6	10000	
V	51	45	He	-0.293	ug/l	N/A	5000	
Cr	52	45	He	-0.072	ug/l	N/A	20000	
Mn	55	45	He	199.027	ug/l	1.4	20000	
Fe	56	45	H2	17.149	ug/l	1.8	500000	
Co	59	45	He	0.937	ug/l	2.1	2000	
Ni	60	45	He	0.091	ug/l	59.8	20000	
Cu	63	45	He	0.112	ug/l	11.9	20000	
Zn	66	45	He	0.803	ug/l	82.4	20000	
As	75	45	He	0.079	ug/l	344.4	5000	
Se	78	45	H2	0.088	ug/l	85.5	3000	
Sr	88	115	He	78.424	ug/l	1.5	5000	
Mo	95	115	He	0.223	ug/l	30.3	2000	
Ag	107	115	He	0.001	ug/l	362.5	1000	
Cd	111	115	He	0.013	ug/l	86.6	5000	
Sn	118	115	He	0.124	ug/l	102.5	2000	
Sb	121	115	He	0.027	ug/l	32.8	1000	
Ba	137	159	He	76.596	ug/l	3.6	20000	
Tl	205	209	He	-0.026	ug/l	N/A	1000	
[Pb]	206	209	He	0.001	ug/l	5538.7		
[Pb]	207	209	He	-0.010	ug/l	N/A		
Pb	208	209	He	0.006	ug/l	56.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8406626.89	1.4	89.3	60	125	
Sc (ISICPMS)	45	No Gas	6244237.62	0.7	89.6	60	125	
Sc (ISICPMS)	45	H2	2375352.19	0.3	89.5	60	125	
Sc (ISICPMS)	45	He	92753.47	0.1	86.4	60	125	
Ge (IS)	74	H2	455590.51	0.5	90.1	60	125	
Ge (IS)	74	He	49669.68	1.0	89.4	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	106868.79	0.1	85.6	60	125	
Tb (IS)	159	He	660651.41	0.7	89.4	60	125	
Bi (IS)	209	He	574237.03	1.0	87.5	60	125	

DRAFT

Sample Report

File Name 048SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 13:01:07

Sample Name **460-306917-A-4-B DU@5**

Comment ---

Dilution **1.0000**

Vial # 2110

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.006	ug/l	56.6	2000	
B	11	6	No Gas	20.450	ug/l	2.8	2000	
Na	23	45	He	159200.408	ug/l	2.6	500000	
Mg	24	45	He	2807.599	ug/l	3.3	500000	
Al	27	45	He	0.264	ug/l	291.0	500000	
K	39	45	He	623.900	ug/l	4.4	500000	
Ca	40	45	H2	15312.408	ug/l	1.6	1000000	
Ti	47	45	No Gas	0.717	ug/l	19.6	10000	
V	51	45	He	-0.215	ug/l	N/A	5000	
Cr	52	45	He	-0.040	ug/l	N/A	20000	
Mn	55	45	He	158.317	ug/l	4.3	20000	
Fe	56	45	H2	13.427	ug/l	5.2	500000	
Co	59	45	He	0.727	ug/l	7.4	2000	
Ni	60	45	He	0.104	ug/l	103.5	20000	
Cu	63	45	He	0.088	ug/l	34.1	20000	
Zn	66	45	He	0.310	ug/l	47.5	20000	
As	75	45	He	-0.043	ug/l	N/A	5000	
Se	78	45	H2	0.079	ug/l	64.6	3000	
Sr	88	115	He	62.210	ug/l	4.1	5000	
Mo	95	115	He	0.083	ug/l	39.7	2000	
Ag	107	115	He	0.004	ug/l	153.5	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	-0.048	ug/l	N/A	2000	
Sb	121	115	He	0.073	ug/l	73.7	1000	
Ba	137	159	He	62.517	ug/l	4.7	20000	
Tl	205	209	He	-0.030	ug/l	N/A	1000	
[Pb]	206	209	He	0.011	ug/l	101.3		
[Pb]	207	209	He	-0.013	ug/l	N/A		
Pb	208	209	He	0.001	ug/l	263.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8461331.40	0.5	89.9	60	125	
Sc (ISICPMS)	45	No Gas	6204323.17	0.7	89.0	60	125	
Sc (ISICPMS)	45	H2	2356562.57	1.1	88.8	60	125	
Sc (ISICPMS)	45	He	96191.84	0.4	89.6	60	125	
Ge (IS)	74	H2	448435.37	1.6	88.7	60	125	
Ge (IS)	74	He	50975.56	1.0	91.7	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	110418.32	0.4	88.4	60	125	
Tb (IS)	159	He	677148.74	1.4	91.6	60	125	
Bi (IS)	209	He	593775.89	1.1	90.5	60	125	

DRAFT

Sample Report

File Name 049SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 13:03:37

Sample Name **460-306917-A-4-A@5**

Comment ---

Dilution **1.0000**

Vial # 2111

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.010	ug/l	42.2	2000	
B	11	6	No Gas	26.304	ug/l	0.5	2000	
Na	23	45	He	240692.022	ug/l	1.6	500000	
Mg	24	45	He	4236.349	ug/l	1.9	500000	
Al	27	45	He	1.073	ug/l	80.1	500000	
K	39	45	He	963.219	ug/l	4.0	500000	
Ca	40	45	H2	22013.487	ug/l	2.7	1000000	
Ti	47	45	No Gas	0.925	ug/l	53.0	10000	
V	51	45	He	-0.406	ug/l	N/A	5000	
Cr	52	45	He	0.080	ug/l	182.8	20000	
Mn	55	45	He	237.232	ug/l	1.3	20000	
Fe	56	45	H2	19.581	ug/l	2.8	500000	
Co	59	45	He	1.148	ug/l	2.1	2000	
Ni	60	45	He	0.237	ug/l	55.3	20000	
Cu	63	45	He	0.148	ug/l	52.9	20000	
Zn	66	45	He	0.574	ug/l	102.6	20000	
As	75	45	He	-0.098	ug/l	N/A	5000	
Se	78	45	H2	0.029	ug/l	56.3	3000	
Sr	88	115	He	95.516	ug/l	0.4	5000	
Mo	95	115	He	0.127	ug/l	3.3	2000	
Ag	107	115	He	0.001	ug/l	152.6	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	-0.059	ug/l	N/A	2000	
Sb	121	115	He	0.053	ug/l	44.7	1000	
Ba	137	159	He	91.836	ug/l	3.3	20000	
Tl	205	209	He	-0.030	ug/l	N/A	1000	
[Pb]	206	209	He	0.008	ug/l	165.2		
[Pb]	207	209	He	-0.008	ug/l	N/A		
Pb	208	209	He	0.014	ug/l	66.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8480896.89	0.7	90.1	60	125	
Sc (ISICPMS)	45	No Gas	6216789.21	0.9	89.2	60	125	
Sc (ISICPMS)	45	H2	2347790.85	0.8	88.5	60	125	
Sc (ISICPMS)	45	He	93338.60	1.1	86.9	60	125	
Ge (IS)	74	H2	448525.07	1.4	88.7	60	125	
Ge (IS)	74	He	50468.13	1.6	90.8	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	107886.12	0.3	86.4	60	125	
Tb (IS)	159	He	662743.06	0.7	89.6	60	125	
Bi (IS)	209	He	577319.74	0.6	88.0	60	125	

DRAFT

Sample Report

File Name 050SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 13:06:06

Sample Name **SD 460-306917-A-4-A@25**

Comment ---

Dilution **1.0000**

Vial # 2112

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.008	ug/l	18.4	2000	
B	11	6	No Gas	8.708	ug/l	0.6	2000	
Na	23	45	He	61244.516	ug/l	0.7	500000	
Mg	24	45	He	1063.995	ug/l	1.0	500000	
Al	27	45	He	0.620	ug/l	53.0	500000	
K	39	45	He	256.963	ug/l	3.4	500000	
Ca	40	45	H2	5411.188	ug/l	0.6	1000000	
Ti	47	45	No Gas	0.561	ug/l	59.1	10000	
V	51	45	He	-0.361	ug/l	N/A	5000	
Cr	52	45	He	0.200	ug/l	37.0	20000	
Mn	55	45	He	59.376	ug/l	0.6	20000	
Fe	56	45	H2	5.635	ug/l	5.1	500000	
Co	59	45	He	0.280	ug/l	12.8	2000	
Ni	60	45	He	-0.017	ug/l	N/A	20000	
Cu	63	45	He	0.032	ug/l	230.3	20000	
Zn	66	45	He	0.203	ug/l	68.7	20000	
As	75	45	He	-0.204	ug/l	N/A	5000	
Se	78	45	H2	-0.021	ug/l	N/A	3000	
Sr	88	115	He	23.892	ug/l	1.8	5000	
Mo	95	115	He	0.084	ug/l	19.1	2000	
Ag	107	115	He	0.003	ug/l	43.4	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	0.040	ug/l	231.6	2000	
Sb	121	115	He	0.068	ug/l	13.6	1000	
Ba	137	159	He	22.954	ug/l	5.9	20000	
Tl	205	209	He	-0.027	ug/l	N/A	1000	
[Pb]	206	209	He	-0.009	ug/l	N/A		
[Pb]	207	209	He	-0.014	ug/l	N/A		
Pb	208	209	He	-0.002	ug/l	N/A	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8516847.16	0.6	90.5	60	125	
Sc (ISICPMS)	45	No Gas	6234987.55	0.9	89.5	60	125	
Sc (ISICPMS)	45	H2	2343907.45	1.2	88.3	60	125	
Sc (ISICPMS)	45	He	93794.40	0.6	87.3	60	125	
Ge (IS)	74	H2	443076.51	1.5	87.6	60	125	
Ge (IS)	74	He	49703.22	1.5	89.4	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	109756.88	0.7	87.9	60	125	
Tb (IS)	159	He	667121.40	1.5	90.2	60	125	
Bi (IS)	209	He	588901.17	1.0	89.8	60	125	

DRAFT

Sample Report

File Name 051SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 13:08:36

Sample Name **460-306962-I-5-B**

Comment ---

Dilution **1.0000**

Vial # 3109

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.099	ug/l	15.1	2000	
B	11	6	No Gas	496.753	ug/l	0.9	2000	
Na	23	45	He	16044.197	ug/l	1.0	500000	
Mg	24	45	He	5463.999	ug/l	0.7	500000	
Al	27	45	He	1782.642	ug/l	1.2	500000	
K	39	45	He	6643.947	ug/l	0.9	500000	
Ca	40	45	H2	44941.189	ug/l	1.8	1000000	
Ti	47	45	No Gas	94.931	ug/l	1.8	10000	
V	51	45	He	15.388	ug/l	3.6	5000	
Cr	52	45	He	14.275	ug/l	1.8	20000	
Mn	55	45	He	411.154	ug/l	0.7	20000	
Fe	56	45	H2	15576.773	ug/l	0.9	500000	
Co	59	45	He	2.586	ug/l	1.4	2000	
Ni	60	45	He	9.315	ug/l	5.6	20000	
Cu	63	45	He	33.491	ug/l	2.2	20000	
Zn	66	45	He	403.345	ug/l	2.2	20000	
As	75	45	He	137.094	ug/l	0.8	5000	
Se	78	45	H2	0.207	ug/l	30.2	3000	
Sr	88	115	He	419.518	ug/l	1.4	5000	
Mo	95	115	He	5.478	ug/l	8.2	2000	
Ag	107	115	He	0.541	ug/l	4.6	1000	
Cd	111	115	He	1.338	ug/l	3.9	5000	
Sn	118	115	He	1.375	ug/l	18.5	2000	
Sb	121	115	He	1.154	ug/l	3.1	1000	
Ba	137	159	He	108.022	ug/l	0.3	20000	
Tl	205	209	He	-0.023	ug/l	N/A	1000	
[Pb]	206	209	He	24.619	ug/l	1.3		
[Pb]	207	209	He	23.785	ug/l	1.4		
Pb	208	209	He	23.817	ug/l	0.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8362840.43	1.3	88.8	60	125	
Sc (ISICPMS)	45	No Gas	6244238.45	0.6	89.6	60	125	
Sc (ISICPMS)	45	H2	2364655.10	0.3	89.1	60	125	
Sc (ISICPMS)	45	He	91258.01	0.5	85.0	60	125	
Ge (IS)	74	H2	467499.00	0.5	92.5	60	125	
Ge (IS)	74	He	51932.56	1.1	93.5	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	107231.27	0.8	85.9	60	125	
Tb (IS)	159	He	661310.70	1.4	89.5	60	125	
Bi (IS)	209	He	581390.42	0.7	88.6	60	125	

DRAFT

Sample Report

File Name 052SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 13:11:05

Sample Name **460-306963-E-2-C@5**

Comment ---

Dilution **1.0000**

Vial # 3110

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	2.219	ug/l	1.5	2000	
B	11	6	No Gas	45.260	ug/l	2.1	2000	
Na	23	45	He	4660.096	ug/l	0.9	500000	
Mg	24	45	He	25756.136	ug/l	0.8	500000	
Al	27	45	He	35998.644	ug/l	1.4	500000	
K	39	45	He	8880.428	ug/l	0.6	500000	
Ca	40	45	H2	39200.955	ug/l	0.7	1000000	
Ti	47	45	No Gas	2013.732	ug/l	1.3	10000	
V	51	45	He	102.208	ug/l	1.6	5000	
Cr	52	45	He	167.515	ug/l	1.4	20000	
Mn	55	45	He	1886.367	ug/l	1.1	20000	
Fe	56	45	H2	67022.953	ug/l	0.4	500000	
Co	59	45	He	35.360	ug/l	0.3	2000	
Ni	60	45	He	134.124	ug/l	1.9	20000	
Cu	63	45	He	148.884	ug/l	0.9	20000	
Zn	66	45	He	304.876	ug/l	0.3	20000	
As	75	45	He	15.270	ug/l	7.9	5000	
Se	78	45	H2	0.533	ug/l	24.9	3000	
Sr	88	115	He	154.469	ug/l	2.3	5000	
Mo	95	115	He	15.164	ug/l	0.9	2000	
Ag	107	115	He	0.181	ug/l	2.0	1000	
Cd	111	115	He	0.538	ug/l	18.7	5000	
Sn	118	115	He	5.479	ug/l	10.1	2000	
Sb	121	115	He	0.388	ug/l	19.2	1000	
Ba	137	159	He	324.229	ug/l	1.2	20000	
Tl	205	209	He	0.006	ug/l	178.0	1000	
[Pb]	206	209	He	157.353	ug/l	0.8		
[Pb]	207	209	He	154.009	ug/l	0.3		
Pb	208	209	He	155.803	ug/l	0.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8332689.53	0.8	88.5	60	125	
Sc (ISICPMS)	45	No Gas	6323212.20	0.7	90.7	60	125	
Sc (ISICPMS)	45	H2	2408769.98	0.4	90.8	60	125	
Sc (ISICPMS)	45	He	93780.46	0.6	87.3	60	125	
Ge (IS)	74	H2	455513.00	0.5	90.1	60	125	
Ge (IS)	74	He	50881.90	1.1	91.6	60	125	
Kr	83	He	20.02	100.0	600.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	106867.56	0.7	85.6	60	125	
Tb (IS)	159	He	662173.45	0.6	89.6	60	125	
Bi (IS)	209	He	577865.19	1.0	88.1	60	125	

DRAFT

Sample Report

File Name 053SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 13:13:36

Sample Name **460-306963-E-3-C@2**

Comment ---

Dilution **1.0000**

Vial # 3111

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.097	ug/l	7.0	2000	
B	11	6	No Gas	89.552	ug/l	1.5	2000	
Na	23	45	He	4771.158	ug/l	0.2	500000	
Mg	24	45	He	20427.263	ug/l	0.6	500000	
Al	27	45	He	1555.172	ug/l	0.8	500000	
K	39	45	He	7226.421	ug/l	0.1	500000	
Ca	40	45	H2	59831.770	ug/l	0.6	1000000	
Ti	47	45	No Gas	68.154	ug/l	2.0	10000	
V	51	45	He	4.001	ug/l	11.3	5000	
Cr	52	45	He	3.451	ug/l	4.9	20000	
Mn	55	45	He	5168.064	ug/l	0.4	20000	
Fe	56	45	H2	25372.109	ug/l	1.4	500000	
Co	59	45	He	3.247	ug/l	6.3	2000	
Ni	60	45	He	8.679	ug/l	2.1	20000	
Cu	63	45	He	35.470	ug/l	0.6	20000	
Zn	66	45	He	72.763	ug/l	2.5	20000	
As	75	45	He	12.059	ug/l	13.1	5000	
Se	78	45	H2	0.147	ug/l	70.4	3000	
Sr	88	115	He	246.048	ug/l	1.5	5000	
Mo	95	115	He	2.391	ug/l	3.0	2000	
Ag	107	115	He	0.036	ug/l	11.5	1000	
Cd	111	115	He	0.169	ug/l	18.8	5000	
Sn	118	115	He	0.397	ug/l	16.4	2000	
Sb	121	115	He	0.381	ug/l	24.6	1000	
Ba	137	159	He	147.428	ug/l	2.0	20000	
Tl	205	209	He	-0.033	ug/l	N/A	1000	
[Pb]	206	209	He	21.883	ug/l	0.8		
[Pb]	207	209	He	21.246	ug/l	2.6		
Pb	208	209	He	21.609	ug/l	1.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8356813.35	0.9	88.8	60	125	
Sc (ISICPMS)	45	No Gas	6219247.55	0.9	89.2	60	125	
Sc (ISICPMS)	45	H2	2372626.18	0.3	89.4	60	125	
Sc (ISICPMS)	45	He	92592.57	0.5	86.2	60	125	
Ge (IS)	74	H2	459101.72	1.0	90.8	60	125	
Ge (IS)	74	He	51028.03	1.1	91.8	60	125	
Kr	83	He	10.01	NaN	300.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	108239.62	0.4	86.7	60	125	
Tb (IS)	159	He	655940.51	1.0	88.7	60	125	
Bi (IS)	209	He	585386.32	1.1	89.2	60	125	

DRAFT

Sample Report

File Name 054SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 13:16:05

Sample Name **460-306510-E-1-B**

Comment ---

Dilution **1.0000**

Vial # 3112

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.026	ug/l	57.2	2000	
B	11	6	No Gas	48.192	ug/l	1.5	2000	
Na	23	45	He	648195.167	ug/l	0.8	500000	>LDR 6020B□>LDR 200.8
Mg	24	45	He	79771.214	ug/l	0.7	500000	
Al	27	45	He	1495.206	ug/l	2.5	500000	
K	39	45	He	3462.775	ug/l	0.8	500000	
Ca	40	45	H2	57231.517	ug/l	1.7	1000000	
Ti	47	45	No Gas	27.106	ug/l	3.8	10000	
V	51	45	He	5.204	ug/l	8.9	5000	
Cr	52	45	He	54.591	ug/l	2.3	20000	
Mn	55	45	He	85.001	ug/l	1.3	20000	
Fe	56	45	H2	1020.098	ug/l	3.9	500000	
Co	59	45	He	0.676	ug/l	10.1	2000	
Ni	60	45	He	32.039	ug/l	0.5	20000	
Cu	63	45	He	17.221	ug/l	1.7	20000	
Zn	66	45	He	47.638	ug/l	0.3	20000	
As	75	45	He	0.795	ug/l	14.7	5000	
Se	78	45	H2	1.342	ug/l	29.1	3000	
Sr	88	115	He	232.065	ug/l	0.4	5000	
Mo	95	115	He	0.730	ug/l	4.5	2000	
Ag	107	115	He	0.103	ug/l	5.2	1000	
Cd	111	115	He	0.059	ug/l	34.3	5000	
Sn	118	115	He	1.737	ug/l	3.2	2000	
Sb	121	115	He	0.253	ug/l	17.6	1000	
Ba	137	159	He	25.921	ug/l	4.9	20000	
Tl	205	209	He	-0.021	ug/l	N/A	1000	
[Pb]	206	209	He	6.322	ug/l	2.8		
[Pb]	207	209	He	6.169	ug/l	2.1		
Pb	208	209	He	6.180	ug/l	0.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8239003.83	1.2	87.5	60	125	
Sc (ISICPMS)	45	No Gas	6075607.55	1.2	87.2	60	125	
Sc (ISICPMS)	45	H2	2307275.73	0.6	87.0	60	125	
Sc (ISICPMS)	45	He	91664.09	0.5	85.4	60	125	
Ge (IS)	74	H2	443188.88	0.5	87.7	60	125	
Ge (IS)	74	He	49657.28	0.3	89.4	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	103850.34	1.2	83.2	60	125	
Tb (IS)	159	He	647350.76	1.4	87.6	60	125	
Bi (IS)	209	He	548577.76	0.8	83.6	60	125	

DRAFT

Sample Report

File Name 055SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 13:18:36

Sample Name **460-306510-E-2-B**

Comment ---

Dilution **1.0000**

Vial # 3201

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.023	ug/l	28.4	2000	
B	11	6	No Gas	51.705	ug/l	1.5	2000	
Na	23	45	He	17896892.645	ug/l	0.5	500000	>LDR 6020B□>LDR 200.8
Mg	24	45	He	12392.093	ug/l	3.4	500000	
Al	27	45	He	14249.492	ug/l	1.2	500000	
K	39	45	He	23667.562	ug/l	4.0	500000	
Ca	40	45	H2	27284.273	ug/l	0.1	1000000	
Ti	47	45	No Gas	15.464	ug/l	3.6	10000	
V	51	45	He	187.220	ug/l	4.6	5000	
Cr	52	45	He	842.202	ug/l	1.6	20000	
Mn	55	45	He	2208.962	ug/l	3.9	20000	
Fe	56	45	H2	670.339	ug/l	0.6	500000	
Co	59	45	He	0.352	ug/l	18.5	2000	
Ni	60	45	He	21.419	ug/l	2.4	20000	
Cu	63	45	He	10.774	ug/l	3.5	20000	
Zn	66	45	He	33.466	ug/l	1.7	20000	
As	75	45	He	58.007	ug/l	7.0	5000	
Se	78	45	H2	3.034	ug/l	6.2	3000	
Sr	88	115	He	49.878	ug/l	1.4	5000	
Mo	95	115	He	13.547	ug/l	2.8	2000	
Ag	107	115	He	0.037	ug/l	30.4	1000	
Cd	111	115	He	0.037	ug/l	36.2	5000	
Sn	118	115	He	1.592	ug/l	19.2	2000	
Sb	121	115	He	0.658	ug/l	11.2	1000	
Ba	137	159	He	28.997	ug/l	1.9	20000	
Tl	205	209	He	-0.022	ug/l	N/A	1000	
[Pb]	206	209	He	12.967	ug/l	4.4		
[Pb]	207	209	He	12.518	ug/l	2.1		
Pb	208	209	He	12.839	ug/l	3.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6433965.74	1.0	68.3	60	125	
Sc (ISICPMS)	45	No Gas	4631517.22	0.5	66.5	60	125	
Sc (ISICPMS)	45	H2	1874922.45	0.7	70.7	60	125	
Sc (ISICPMS)	45	He	83729.34	1.7	78.0	60	125	
Ge (IS)	74	H2	341878.49	0.8	67.6	60	125	
Ge (IS)	74	He	43948.70	2.5	79.1	60	125	
Kr	83	He	13.35	114.6	400.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	92683.93	2.5	74.2	60	125	
Tb (IS)	159	He	530990.75	1.0	71.8	60	125	
Bi (IS)	209	He	432709.48	2.1	66.0	60	125	

DRAFT

Sample Report

File Name 056SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 13:21:05

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.003	ug/l	N/A	2000	
B	11	6	No Gas	1.858	ug/l	9.0	2000	
Na	23	45	He	5440.714	ug/l	2.1	500000	
Mg	24	45	He	2.741	ug/l	23.8	500000	
Al	27	45	He	4.046	ug/l	12.2	500000	
K	39	45	He	3.906	ug/l	313.1	500000	
Ca	40	45	H2	9.559	ug/l	5.0	1000000	
Ti	47	45	No Gas	0.198	ug/l	124.6	10000	
V	51	45	He	0.087	ug/l	292.5	5000	
Cr	52	45	He	0.947	ug/l	13.4	20000	
Mn	55	45	He	0.998	ug/l	15.4	20000	
Fe	56	45	H2	2.305	ug/l	15.9	500000	
Co	59	45	He	-0.021	ug/l	N/A	2000	
Ni	60	45	He	-0.325	ug/l	N/A	20000	
Cu	63	45	He	0.200	ug/l	3.9	20000	
Zn	66	45	He	0.134	ug/l	344.3	20000	
As	75	45	He	-0.027	ug/l	N/A	5000	
Se	78	45	H2	-0.019	ug/l	N/A	3000	
Sr	88	115	He	-0.002	ug/l	N/A	5000	
Mo	95	115	He	0.089	ug/l	70.7	2000	
Ag	107	115	He	0.003	ug/l	63.3	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	-0.112	ug/l	N/A	2000	
Sb	121	115	He	0.044	ug/l	167.9	1000	
Ba	137	159	He	0.339	ug/l	48.8	20000	
Tl	205	209	He	-0.035	ug/l	N/A	1000	
[Pb]	206	209	He	0.032	ug/l	28.1		
[Pb]	207	209	He	0.022	ug/l	92.6		
Pb	208	209	He	0.034	ug/l	39.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9041485.56	0.5	96.0	60	125	
Sc (ISICPMS)	45	No Gas	5740947.90	0.8	82.4	60	125	
Sc (ISICPMS)	45	H2	2283791.91	1.1	86.1	60	125	
Sc (ISICPMS)	45	He	92890.09	1.0	86.5	60	125	
Ge (IS)	74	H2	436529.35	1.6	86.3	60	125	
Ge (IS)	74	He	49102.94	1.5	88.4	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	114707.64	0.5	91.9	60	125	
Tb (IS)	159	He	698070.31	1.7	94.4	60	125	
Bi (IS)	209	He	622766.05	1.1	94.9	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 057_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 13:23:35

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	93.194	ug/l	0.9	100	90	110	
B	11	6	No Gas	236.345	ug/l	1.4	250	225	275	
Na	23	45	He	26924.852	ug/l	0.7	25000	22500	27500	
Mg	24	45	He	26036.220	ug/l	1.1	25000	22500	27500	
Al	27	45	He	25864.502	ug/l	0.9	25000	22500	27500	
K	39	45	He	25359.068	ug/l	1.6	25000	22500	27500	
Ca	40	45	H2	24748.997	ug/l	0.9	25000	22500	27500	
Ti	47	45	No Gas	99.742	ug/l	1.9	100	90	110	
V	51	45	He	98.972	ug/l	2.2	100	90	110	
Cr	52	45	He	100.241	ug/l	2.8	100	90	110	
Mn	55	45	He	100.209	ug/l	2.4	100	90	110	
Fe	56	45	H2	25074.516	ug/l	0.7	25000	22500	27500	
Co	59	45	He	100.672	ug/l	1.1	100	90	110	
Ni	60	45	He	99.551	ug/l	1.8	100	90	110	
Cu	63	45	He	100.742	ug/l	2.0	100	90	110	
Zn	66	45	He	257.798	ug/l	1.9	250	225	275	
As	75	45	He	99.181	ug/l	3.2	100	90	110	
Se	78	45	H2	99.572	ug/l	2.2	100	90	110	
Sr	88	115	He	97.616	ug/l	1.3	100	90	110	
Mo	95	115	He	97.942	ug/l	0.7	100	90	110	
Ag	107	115	He	49.179	ug/l	1.2	50	45	55	
Cd	111	115	He	100.734	ug/l	1.8	100	90	110	
Sn	118	115	He	100.885	ug/l	1.9	100	90	110	
Sb	121	115	He	100.704	ug/l	0.3	100	90	110	
Ba	137	159	He	97.877	ug/l	0.9	100	90	110	
Tl	205	209	He	99.021	ug/l	0.8	100	90	110	
[Pb]	206	209	He	100.005	ug/l	1.1				
[Pb]	207	209	He	100.370	ug/l	0.2				
Pb	208	209	He	100.189	ug/l	0.7	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	8595520.22	0.7	91.3	60	125	
Sc (ISICPMS)	45	No Gas	5816034.29	0.7	83.5	60	125	
Sc (ISICPMS)	45	H2	2253961.46	0.3	84.9	60	125	
Sc (ISICPMS)	45	He	90650.12	1.2	84.4	60	125	
Ge (IS)	74	H2	435772.46	0.9	86.2	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	49303.60	0.4	88.7	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	110400.88	0.7	88.4	60	125	
Tb (IS)	159	He	680426.14	0.1	92.0	60	125	
Bi (IS)	209	He	600025.77	0.7	91.5	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 058_Blk.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 13:26:03

Sample Name **CCB**

Comment ---

Dilution 1.0000

Analyte Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.004	ug/l	42.6	0.8	-0.8	0.8	
B	11	6	No Gas	4.777	ug/l	0.5	40	-40	40	
Na	23	45	He	881.380	ug/l	1.3	500	-500	500	> water RL
Mg	24	45	He	0.675	ug/l	65.5	200	-200	200	
Al	27	45	He	0.832	ug/l	42.3	40	-40	40	
K	39	45	He	-0.190	ug/l	N/A	200	-200	200	
Ca	40	45	H2	2.928	ug/l	20.2	500	-500	500	
Ti	47	45	No Gas	0.601	ug/l	43.2	4	-4	4	
V	51	45	He	-0.311	ug/l	N/A	4	-4	4	
Cr	52	45	He	0.130	ug/l	57.6	4	-4	4	
Mn	55	45	He	0.197	ug/l	31.0	8	-8	8	
Fe	56	45	H2	3.590	ug/l	12.3	60	-60	60	
Co	59	45	He	0.002	ug/l	691.1	4	-4	4	
Ni	60	45	He	-0.163	ug/l	N/A	4	-4	4	
Cu	63	45	He	0.065	ug/l	113.2	4	-4	4	
Zn	66	45	He	0.320	ug/l	78.5	16	-16	16	
As	75	45	He	-0.162	ug/l	N/A	2	-2	2	
Se	78	45	H2	0.169	ug/l	52.4	2.5	-2.5	2.5	
Sr	88	115	He	0.017	ug/l	259.5	4	-4	4	
Mo	95	115	He	0.138	ug/l	30.0	4	-4	4	
Ag	107	115	He	0.002	ug/l	292.6	2	-2	2	
Cd	111	115	He	0.000	ug/l	N/A	2	-2	2	
Sn	118	115	He	-0.047	ug/l	N/A	16	-16	16	
Sb	121	115	He	0.022	ug/l	139.1	2	-2	2	
Ba	137	159	He	0.227	ug/l	97.7	4	-4	4	
Tl	205	209	He	-0.014	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.005	ug/l	342.3				
[Pb]	207	209	He	0.001	ug/l	180.6				
Pb	208	209	He	0.008	ug/l	143.8	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	8676847.02	0.6	92.2	60	125	
Sc (ISICPMS)	45	No Gas	5856551.86	0.6	84.0	60	125	
Sc (ISICPMS)	45	H2	2248577.00	0.9	84.7	60	125	
Sc (ISICPMS)	45	He	91614.47	1.3	85.3	60	125	
Ge (IS)	74	H2	425033.05	0.9	84.1	60	125	
Ge (IS)	74	He	48537.76	0.8	87.3	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	111798.25	1.3	89.5	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	682079.73	1.8	92.3	60	125	
Bi (IS)	209	He	607789.77	1.2	92.6	60	125	

DRAFT

Sample Report

File Name 059SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 13:28:33

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.003	ug/l	47.6	2000	
B	11	6	No Gas	2.711	ug/l	1.2	2000	
Na	23	45	He	704.337	ug/l	2.5	500000	
Mg	24	45	He	-0.326	ug/l	N/A	500000	
Al	27	45	He	-0.397	ug/l	N/A	500000	
K	39	45	He	10.101	ug/l	144.3	500000	
Ca	40	45	H2	1.783	ug/l	23.0	1000000	
Ti	47	45	No Gas	0.387	ug/l	61.5	10000	
V	51	45	He	-0.190	ug/l	N/A	5000	
Cr	52	45	He	0.057	ug/l	322.8	20000	
Mn	55	45	He	0.164	ug/l	39.2	20000	
Fe	56	45	H2	1.476	ug/l	31.3	500000	
Co	59	45	He	-0.028	ug/l	N/A	2000	
Ni	60	45	He	-0.217	ug/l	N/A	20000	
Cu	63	45	He	0.096	ug/l	17.5	20000	
Zn	66	45	He	0.778	ug/l	60.3	20000	
As	75	45	He	-0.156	ug/l	N/A	5000	
Se	78	45	H2	0.074	ug/l	48.9	3000	
Sr	88	115	He	-0.031	ug/l	N/A	5000	
Mo	95	115	He	0.051	ug/l	77.1	2000	
Ag	107	115	He	0.003	ug/l	181.3	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	-0.032	ug/l	N/A	2000	
Sb	121	115	He	0.023	ug/l	66.3	1000	
Ba	137	159	He	0.293	ug/l	51.3	20000	
Tl	205	209	He	-0.032	ug/l	N/A	1000	
[Pb]	206	209	He	0.003	ug/l	910.3		
[Pb]	207	209	He	-0.001	ug/l	N/A		
Pb	208	209	He	0.006	ug/l	136.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8544410.84	0.8	90.8	60	125	
Sc (ISICPMS)	45	No Gas	5938407.83	0.4	85.2	60	125	
Sc (ISICPMS)	45	H2	2269453.49	0.9	85.5	60	125	
Sc (ISICPMS)	45	He	90175.61	0.3	84.0	60	125	
Ge (IS)	74	H2	433433.55	0.8	85.7	60	125	
Ge (IS)	74	He	48382.58	0.5	87.1	60	125	
Kr	83	He	6.67	86.6	200.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	110373.99	0.5	88.4	60	125	
Tb (IS)	159	He	675290.19	1.2	91.3	60	125	
Bi (IS)	209	He	608474.29	0.3	92.8	60	125	

DRAFT

Sample Report

File Name 060SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 13:31:02

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.003	ug/l	98.6	2000	
B	11	6	No Gas	2.210	ug/l	12.3	2000	
Na	23	45	He	549.824	ug/l	2.6	500000	
Mg	24	45	He	-0.650	ug/l	N/A	500000	
Al	27	45	He	-0.148	ug/l	N/A	500000	
K	39	45	He	4.787	ug/l	44.4	500000	
Ca	40	45	H2	1.767	ug/l	19.8	1000000	
Ti	47	45	No Gas	0.525	ug/l	36.5	10000	
V	51	45	He	-0.244	ug/l	N/A	5000	
Cr	52	45	He	0.059	ug/l	165.3	20000	
Mn	55	45	He	0.151	ug/l	49.0	20000	
Fe	56	45	H2	0.761	ug/l	31.2	500000	
Co	59	45	He	-0.009	ug/l	N/A	2000	
Ni	60	45	He	-0.257	ug/l	N/A	20000	
Cu	63	45	He	0.080	ug/l	43.4	20000	
Zn	66	45	He	0.525	ug/l	74.2	20000	
As	75	45	He	-0.213	ug/l	N/A	5000	
Se	78	45	H2	0.032	ug/l	54.5	3000	
Sr	88	115	He	-0.025	ug/l	N/A	5000	
Mo	95	115	He	0.080	ug/l	57.5	2000	
Ag	107	115	He	0.003	ug/l	119.1	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	-0.168	ug/l	N/A	2000	
Sb	121	115	He	0.050	ug/l	30.4	1000	
Ba	137	159	He	0.305	ug/l	45.8	20000	
Tl	205	209	He	-0.031	ug/l	N/A	1000	
[Pb]	206	209	He	-0.004	ug/l	N/A		
[Pb]	207	209	He	0.004	ug/l	147.2		
Pb	208	209	He	-0.001	ug/l	N/A	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8545542.16	1.1	90.8	60	125	
Sc (ISICPMS)	45	No Gas	5919747.20	0.7	84.9	60	125	
Sc (ISICPMS)	45	H2	2283636.86	0.2	86.1	60	125	
Sc (ISICPMS)	45	He	91039.59	0.5	84.8	60	125	
Ge (IS)	74	H2	430286.81	0.6	85.1	60	125	
Ge (IS)	74	He	47624.55	1.5	85.7	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	110052.64	0.8	88.1	60	125	
Tb (IS)	159	He	672642.50	0.8	91.0	60	125	
Bi (IS)	209	He	602311.32	0.9	91.8	60	125	

DRAFT

Sample Report

File Name 061SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 13:33:33

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.000	ug/l	1514.3	2000	
B	11	6	No Gas	1.833	ug/l	1.9	2000	
Na	23	45	He	442.519	ug/l	2.9	500000	
Mg	24	45	He	-0.534	ug/l	N/A	500000	
Al	27	45	He	-0.165	ug/l	N/A	500000	
K	39	45	He	10.469	ug/l	101.6	500000	
Ca	40	45	H2	2.330	ug/l	27.2	1000000	
Ti	47	45	No Gas	0.179	ug/l	182.0	10000	
V	51	45	He	-0.251	ug/l	N/A	5000	
Cr	52	45	He	-0.010	ug/l	N/A	20000	
Mn	55	45	He	0.120	ug/l	57.1	20000	
Fe	56	45	H2	0.969	ug/l	18.5	500000	
Co	59	45	He	-0.009	ug/l	N/A	2000	
Ni	60	45	He	-0.232	ug/l	N/A	20000	
Cu	63	45	He	0.100	ug/l	46.4	20000	
Zn	66	45	He	0.093	ug/l	81.2	20000	
As	75	45	He	-0.088	ug/l	N/A	5000	
Se	78	45	H2	0.053	ug/l	115.0	3000	
Sr	88	115	He	0.035	ug/l	205.4	5000	
Mo	95	115	He	0.065	ug/l	22.7	2000	
Ag	107	115	He	0.001	ug/l	343.4	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	-0.168	ug/l	N/A	2000	
Sb	121	115	He	0.027	ug/l	65.7	1000	
Ba	137	159	He	0.284	ug/l	64.8	20000	
Tl	205	209	He	-0.034	ug/l	N/A	1000	
[Pb]	206	209	He	-0.001	ug/l	N/A		
[Pb]	207	209	He	0.003	ug/l	1473.3		
Pb	208	209	He	0.000	ug/l	N/A	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8575144.66	1.6	91.1	60	125	
Sc (ISICPMS)	45	No Gas	5988945.12	1.0	85.9	60	125	
Sc (ISICPMS)	45	H2	2268274.91	0.4	85.5	60	125	
Sc (ISICPMS)	45	He	91113.38	1.0	84.9	60	125	
Ge (IS)	74	H2	426201.76	0.3	84.3	60	125	
Ge (IS)	74	He	47585.36	2.2	85.6	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	109888.19	1.6	88.0	60	125	
Tb (IS)	159	He	673733.32	1.2	91.1	60	125	
Bi (IS)	209	He	602371.92	1.3	91.8	60	125	

DRAFT

Sample Report

File Name 062SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 13:36:02

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.002	ug/l	35.8	2000	
B	11	6	No Gas	1.777	ug/l	3.2	2000	
Na	23	45	He	367.717	ug/l	0.5	500000	
Mg	24	45	He	-0.604	ug/l	N/A	500000	
Al	27	45	He	0.225	ug/l	360.8	500000	
K	39	45	He	10.605	ug/l	77.4	500000	
Ca	40	45	H2	2.261	ug/l	12.2	1000000	
Ti	47	45	No Gas	0.274	ug/l	63.4	10000	
V	51	45	He	-0.213	ug/l	N/A	5000	
Cr	52	45	He	0.133	ug/l	161.4	20000	
Mn	55	45	He	0.156	ug/l	59.0	20000	
Fe	56	45	H2	0.734	ug/l	20.1	500000	
Co	59	45	He	-0.011	ug/l	N/A	2000	
Ni	60	45	He	-0.140	ug/l	N/A	20000	
Cu	63	45	He	0.075	ug/l	54.1	20000	
Zn	66	45	He	0.010	ug/l	3685.9	20000	
As	75	45	He	0.020	ug/l	152.0	5000	
Se	78	45	H2	0.023	ug/l	360.4	3000	
Sr	88	115	He	0.025	ug/l	232.7	5000	
Mo	95	115	He	0.055	ug/l	29.8	2000	
Ag	107	115	He	0.001	ug/l	437.1	1000	
Cd	111	115	He	0.006	ug/l	173.2	5000	
Sn	118	115	He	-0.033	ug/l	N/A	2000	
Sb	121	115	He	0.034	ug/l	163.9	1000	
Ba	137	159	He	0.268	ug/l	24.4	20000	
Tl	205	209	He	-0.037	ug/l	N/A	1000	
[Pb]	206	209	He	-0.006	ug/l	N/A		
[Pb]	207	209	He	-0.025	ug/l	N/A		
Pb	208	209	He	-0.002	ug/l	N/A	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8572310.70	1.4	91.1	60	125	
Sc (ISICPMS)	45	No Gas	6001911.99	1.3	86.1	60	125	
Sc (ISICPMS)	45	H2	2261700.45	0.5	85.2	60	125	
Sc (ISICPMS)	45	He	90887.64	0.4	84.6	60	125	
Ge (IS)	74	H2	426874.20	1.1	84.4	60	125	
Ge (IS)	74	He	47643.38	0.4	85.7	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	109019.05	0.2	87.3	60	125	
Tb (IS)	159	He	666517.78	0.5	90.2	60	125	
Bi (IS)	209	He	596757.32	0.2	91.0	60	125	

DRAFT

Sample Report

File Name 063SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 13:38:32

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.004	ug/l	68.1	2000	
B	11	6	No Gas	1.450	ug/l	8.0	2000	
Na	23	45	He	297.126	ug/l	1.6	500000	
Mg	24	45	He	-0.050	ug/l	N/A	500000	
Al	27	45	He	0.419	ug/l	337.4	500000	
K	39	45	He	11.804	ug/l	59.4	500000	
Ca	40	45	H2	1.840	ug/l	36.7	1000000	
Ti	47	45	No Gas	0.270	ug/l	83.7	10000	
V	51	45	He	-0.215	ug/l	N/A	5000	
Cr	52	45	He	0.028	ug/l	774.6	20000	
Mn	55	45	He	0.120	ug/l	45.5	20000	
Fe	56	45	H2	1.111	ug/l	4.5	500000	
Co	59	45	He	-0.004	ug/l	N/A	2000	
Ni	60	45	He	-0.188	ug/l	N/A	20000	
Cu	63	45	He	0.134	ug/l	31.2	20000	
Zn	66	45	He	-0.172	ug/l	N/A	20000	
As	75	45	He	-0.138	ug/l	N/A	5000	
Se	78	45	H2	0.022	ug/l	4.3	3000	
Sr	88	115	He	-0.003	ug/l	N/A	5000	
Mo	95	115	He	0.093	ug/l	28.9	2000	
Ag	107	115	He	0.000	ug/l	2724.2	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	-0.015	ug/l	N/A	2000	
Sb	121	115	He	0.043	ug/l	185.7	1000	
Ba	137	159	He	0.282	ug/l	45.0	20000	
Tl	205	209	He	-0.032	ug/l	N/A	1000	
[Pb]	206	209	He	-0.002	ug/l	N/A		
[Pb]	207	209	He	-0.026	ug/l	N/A		
Pb	208	209	He	0.006	ug/l	246.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8497426.05	0.5	90.3	60	125	
Sc (ISICPMS)	45	No Gas	5983279.91	0.7	85.9	60	125	
Sc (ISICPMS)	45	H2	2289620.87	1.0	86.3	60	125	
Sc (ISICPMS)	45	He	90056.60	0.6	83.9	60	125	
Ge (IS)	74	H2	432839.39	0.5	85.6	60	125	
Ge (IS)	74	He	47397.06	0.5	85.3	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	108812.07	1.1	87.1	60	125	
Tb (IS)	159	He	659170.59	0.2	89.2	60	125	
Bi (IS)	209	He	596296.61	0.7	90.9	60	125	

DRAFT

Sample Report

File Name 064SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 13:41:01

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.003	ug/l	170.6	2000	
B	11	6	No Gas	1.611	ug/l	8.8	2000	
Na	23	45	He	246.237	ug/l	1.8	500000	
Mg	24	45	He	-0.767	ug/l	N/A	500000	
Al	27	45	He	-0.792	ug/l	N/A	500000	
K	39	45	He	6.342	ug/l	15.1	500000	
Ca	40	45	H2	2.131	ug/l	8.6	1000000	
Ti	47	45	No Gas	0.492	ug/l	56.8	10000	
V	51	45	He	-0.175	ug/l	N/A	5000	
Cr	52	45	He	-0.199	ug/l	N/A	20000	
Mn	55	45	He	0.042	ug/l	176.7	20000	
Fe	56	45	H2	0.211	ug/l	112.4	500000	
Co	59	45	He	-0.015	ug/l	N/A	2000	
Ni	60	45	He	-0.146	ug/l	N/A	20000	
Cu	63	45	He	0.045	ug/l	64.5	20000	
Zn	66	45	He	0.020	ug/l	974.7	20000	
As	75	45	He	-0.176	ug/l	N/A	5000	
Se	78	45	H2	-0.009	ug/l	N/A	3000	
Sr	88	115	He	-0.047	ug/l	N/A	5000	
Mo	95	115	He	0.057	ug/l	37.7	2000	
Ag	107	115	He	0.001	ug/l	597.9	1000	
Cd	111	115	He	0.006	ug/l	173.2	5000	
Sn	118	115	He	-0.008	ug/l	N/A	2000	
Sb	121	115	He	0.016	ug/l	113.8	1000	
Ba	137	159	He	0.279	ug/l	31.4	20000	
Tl	205	209	He	-0.036	ug/l	N/A	1000	
[Pb]	206	209	He	-0.016	ug/l	N/A		
[Pb]	207	209	He	-0.021	ug/l	N/A		
Pb	208	209	He	-0.012	ug/l	N/A	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8474032.79	0.2	90.0	60	125	
Sc (ISICPMS)	45	No Gas	6008604.84	0.5	86.2	60	125	
Sc (ISICPMS)	45	H2	2293808.92	0.3	86.4	60	125	
Sc (ISICPMS)	45	He	90617.12	0.4	84.4	60	125	
Ge (IS)	74	H2	431668.65	0.5	85.4	60	125	
Ge (IS)	74	He	48283.33	0.8	86.9	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	109517.45	1.2	87.7	60	125	
Tb (IS)	159	He	664138.56	0.7	89.8	60	125	
Bi (IS)	209	He	600319.73	1.1	91.5	60	125	

DRAFT

Sample Report

File Name 065SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 13:43:32

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.002	ug/l	171.2	2000	
B	11	6	No Gas	1.235	ug/l	7.1	2000	
Na	23	45	He	210.981	ug/l	4.6	500000	
Mg	24	45	He	-0.486	ug/l	N/A	500000	
Al	27	45	He	-0.426	ug/l	N/A	500000	
K	39	45	He	15.318	ug/l	106.6	500000	
Ca	40	45	H2	2.120	ug/l	22.9	1000000	
Ti	47	45	No Gas	0.630	ug/l	70.4	10000	
V	51	45	He	-0.236	ug/l	N/A	5000	
Cr	52	45	He	0.136	ug/l	160.1	20000	
Mn	55	45	He	0.065	ug/l	101.8	20000	
Fe	56	45	H2	1.191	ug/l	6.4	500000	
Co	59	45	He	-0.004	ug/l	N/A	2000	
Ni	60	45	He	-0.142	ug/l	N/A	20000	
Cu	63	45	He	0.068	ug/l	80.0	20000	
Zn	66	45	He	0.343	ug/l	61.9	20000	
As	75	45	He	-0.227	ug/l	N/A	5000	
Se	78	45	H2	-0.008	ug/l	N/A	3000	
Sr	88	115	He	-0.002	ug/l	N/A	5000	
Mo	95	115	He	0.064	ug/l	13.0	2000	
Ag	107	115	He	0.005	ug/l	64.4	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	-0.145	ug/l	N/A	2000	
Sb	121	115	He	0.037	ug/l	178.9	1000	
Ba	137	159	He	0.331	ug/l	23.7	20000	
Tl	205	209	He	-0.033	ug/l	N/A	1000	
[Pb]	206	209	He	-0.014	ug/l	N/A		
[Pb]	207	209	He	-0.035	ug/l	N/A		
Pb	208	209	He	-0.011	ug/l	N/A	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8494057.79	0.3	90.2	60	125	
Sc (ISICPMS)	45	No Gas	5994398.73	0.2	86.0	60	125	
Sc (ISICPMS)	45	H2	2250307.97	0.8	84.8	60	125	
Sc (ISICPMS)	45	He	89293.85	1.1	83.2	60	125	
Ge (IS)	74	H2	424722.92	0.2	84.0	60	125	
Ge (IS)	74	He	47664.61	0.4	85.8	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	108673.68	0.3	87.0	60	125	
Tb (IS)	159	He	664422.02	0.6	89.9	60	125	
Bi (IS)	209	He	595135.69	1.2	90.7	60	125	

DRAFT

Sample Report

File Name 066SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 13:46:01

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.001	ug/l	N/A	2000	
B	11	6	No Gas	1.290	ug/l	3.9	2000	
Na	23	45	He	174.680	ug/l	3.1	500000	
Mg	24	45	He	-0.217	ug/l	N/A	500000	
Al	27	45	He	0.181	ug/l	289.1	500000	
K	39	45	He	11.998	ug/l	58.8	500000	
Ca	40	45	H2	2.771	ug/l	26.3	1000000	
Ti	47	45	No Gas	0.345	ug/l	76.7	10000	
V	51	45	He	-0.190	ug/l	N/A	5000	
Cr	52	45	He	0.067	ug/l	252.0	20000	
Mn	55	45	He	0.114	ug/l	49.1	20000	
Fe	56	45	H2	0.898	ug/l	17.3	500000	
Co	59	45	He	-0.011	ug/l	N/A	2000	
Ni	60	45	He	-0.055	ug/l	N/A	20000	
Cu	63	45	He	0.055	ug/l	53.6	20000	
Zn	66	45	He	0.143	ug/l	302.4	20000	
As	75	45	He	-0.121	ug/l	N/A	5000	
Se	78	45	H2	-0.040	ug/l	N/A	3000	
Sr	88	115	He	0.053	ug/l	80.7	5000	
Mo	95	115	He	0.032	ug/l	44.2	2000	
Ag	107	115	He	0.003	ug/l	183.8	1000	
Cd	111	115	He	0.006	ug/l	173.2	5000	
Sn	118	115	He	-0.041	ug/l	N/A	2000	
Sb	121	115	He	0.044	ug/l	59.8	1000	
Ba	137	159	He	0.281	ug/l	28.2	20000	
Tl	205	209	He	-0.032	ug/l	N/A	1000	
[Pb]	206	209	He	-0.015	ug/l	N/A		
[Pb]	207	209	He	-0.024	ug/l	N/A		
Pb	208	209	He	-0.009	ug/l	N/A	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8513270.15	0.8	90.4	60	125	
Sc (ISICPMS)	45	No Gas	6061405.46	0.3	87.0	60	125	
Sc (ISICPMS)	45	H2	2270443.84	0.3	85.6	60	125	
Sc (ISICPMS)	45	He	90318.30	0.7	84.1	60	125	
Ge (IS)	74	H2	426493.56	0.4	84.4	60	125	
Ge (IS)	74	He	47207.48	1.5	85.0	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	108026.69	0.9	86.5	60	125	
Tb (IS)	159	He	660515.34	0.4	89.3	60	125	
Bi (IS)	209	He	591930.34	0.7	90.2	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 067_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 13:48:30

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	95.974	ug/l	2.1	100	90	110	
B	11	6	No Gas	245.911	ug/l	1.4	250	225	275	
Na	23	45	He	26143.660	ug/l	2.1	25000	22500	27500	
Mg	24	45	He	26096.189	ug/l	1.6	25000	22500	27500	
Al	27	45	He	25594.933	ug/l	1.8	25000	22500	27500	
K	39	45	He	25454.931	ug/l	1.4	25000	22500	27500	
Ca	40	45	H2	24497.614	ug/l	0.8	25000	22500	27500	
Ti	47	45	No Gas	99.318	ug/l	0.8	100	90	110	
V	51	45	He	100.072	ug/l	2.0	100	90	110	
Cr	52	45	He	101.104	ug/l	1.9	100	90	110	
Mn	55	45	He	102.097	ug/l	2.9	100	90	110	
Fe	56	45	H2	24923.744	ug/l	0.2	25000	22500	27500	
Co	59	45	He	101.944	ug/l	1.6	100	90	110	
Ni	60	45	He	99.410	ug/l	2.2	100	90	110	
Cu	63	45	He	102.423	ug/l	1.5	100	90	110	
Zn	66	45	He	258.246	ug/l	1.1	250	225	275	
As	75	45	He	98.983	ug/l	1.8	100	90	110	
Se	78	45	H2	100.253	ug/l	1.8	100	90	110	
Sr	88	115	He	98.931	ug/l	1.7	100	90	110	
Mo	95	115	He	98.430	ug/l	2.7	100	90	110	
Ag	107	115	He	50.244	ug/l	2.4	50	45	55	
Cd	111	115	He	100.839	ug/l	1.5	100	90	110	
Sn	118	115	He	101.557	ug/l	2.7	100	90	110	
Sb	121	115	He	100.173	ug/l	1.1	100	90	110	
Ba	137	159	He	97.024	ug/l	1.2	100	90	110	
Tl	205	209	He	100.214	ug/l	0.7	100	90	110	
[Pb]	206	209	He	100.377	ug/l	0.6				
[Pb]	207	209	He	99.862	ug/l	2.0				
Pb	208	209	He	100.413	ug/l	0.9	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	8297321.89	1.6	88.1	60	125	
Sc (ISICPMS)	45	No Gas	5892137.07	0.8	84.5	60	125	
Sc (ISICPMS)	45	H2	2264372.47	0.8	85.3	60	125	
Sc (ISICPMS)	45	He	88292.80	1.3	82.2	60	125	
Ge (IS)	74	H2	433755.47	1.4	85.8	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	48081.60	1.6	86.5	60	125	
Kr	83	He	6.67	86.6	200.0			
In-1	115	He	104874.28	1.7	84.0	60	125	
Tb (IS)	159	He	651726.26	0.4	88.2	60	125	
Bi (IS)	209	He	573582.47	1.3	87.4	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 068_Blk.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 13:50:59

Sample Name **CCB**

Comment ---

Dilution 1.0000

Analyte Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.006	ug/l	50.1	0.8	-0.8	0.8	
B	11	6	No Gas	4.178	ug/l	4.4	40	-40	40	
Na	23	45	He	142.287	ug/l	6.5	500	-500	500	
Mg	24	45	He	1.063	ug/l	53.8	200	-200	200	
Al	27	45	He	0.576	ug/l	167.3	40	-40	40	
K	39	45	He	12.939	ug/l	31.3	200	-200	200	
Ca	40	45	H2	1.790	ug/l	40.5	500	-500	500	
Ti	47	45	No Gas	1.136	ug/l	10.6	4	-4	4	
V	51	45	He	-0.193	ug/l	N/A	4	-4	4	
Cr	52	45	He	0.008	ug/l	1767.1	4	-4	4	
Mn	55	45	He	0.039	ug/l	86.4	8	-8	8	
Fe	56	45	H2	3.662	ug/l	5.9	60	-60	60	
Co	59	45	He	0.005	ug/l	422.0	4	-4	4	
Ni	60	45	He	-0.135	ug/l	N/A	4	-4	4	
Cu	63	45	He	0.075	ug/l	42.1	4	-4	4	
Zn	66	45	He	0.140	ug/l	83.4	16	-16	16	
As	75	45	He	-0.095	ug/l	N/A	2	-2	2	
Se	78	45	H2	0.211	ug/l	39.8	2.5	-2.5	2.5	
Sr	88	115	He	-0.012	ug/l	N/A	4	-4	4	
Mo	95	115	He	0.083	ug/l	66.1	4	-4	4	
Ag	107	115	He	0.006	ug/l	188.6	2	-2	2	
Cd	111	115	He	0.006	ug/l	173.2	2	-2	2	
Sn	118	115	He	-0.045	ug/l	N/A	16	-16	16	
Sb	121	115	He	0.027	ug/l	200.5	2	-2	2	
Ba	137	159	He	0.228	ug/l	61.9	4	-4	4	
Tl	205	209	He	-0.013	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	-0.008	ug/l	N/A				
[Pb]	207	209	He	-0.016	ug/l	N/A				
Pb	208	209	He	0.002	ug/l	471.2	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	8406346.96	0.8	89.3	60	125	
Sc (ISICPMS)	45	No Gas	5924390.26	1.0	85.0	60	125	
Sc (ISICPMS)	45	H2	2251323.05	0.4	84.8	60	125	
Sc (ISICPMS)	45	He	88788.60	1.1	82.7	60	125	
Ge (IS)	74	H2	422356.60	0.5	83.5	60	125	
Ge (IS)	74	He	46868.62	1.4	84.3	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	106712.43	1.3	85.5	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	661720.30	0.6	89.5	60	125	
Bi (IS)	209	He	590723.12	0.3	90.0	60	125	

DRAFT

Sample Report

File Name 069SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 13:54:12

Sample Name **MB 460-984217/1-A**

Comment ---

Dilution **1.0000**

Vial # 2101

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.007	ug/l	56.0	2000	
B	11	6	No Gas	1.956	ug/l	6.5	2000	
Na	23	45	He	129.080	ug/l	8.4	500000	
Mg	24	45	He	0.876	ug/l	14.3	500000	
Al	27	45	He	1.117	ug/l	32.8	500000	
K	39	45	He	15.124	ug/l	64.3	500000	
Ca	40	45	H2	3.091	ug/l	30.6	1000000	
Ti	47	45	No Gas	0.786	ug/l	12.1	10000	
V	51	45	He	-0.273	ug/l	N/A	5000	
Cr	52	45	He	0.021	ug/l	294.7	20000	
Mn	55	45	He	0.131	ug/l	93.5	20000	
Fe	56	45	H2	2.013	ug/l	20.4	500000	
Co	59	45	He	-0.010	ug/l	N/A	2000	
Ni	60	45	He	-0.136	ug/l	N/A	20000	
Cu	63	45	He	0.062	ug/l	91.6	20000	
Zn	66	45	He	0.244	ug/l	35.7	20000	
As	75	45	He	-0.173	ug/l	N/A	5000	
Se	78	45	H2	0.044	ug/l	228.3	3000	
Sr	88	115	He	-0.012	ug/l	N/A	5000	
Mo	95	115	He	0.090	ug/l	33.5	2000	
Ag	107	115	He	0.003	ug/l	201.7	1000	
Cd	111	115	He	0.019	ug/l	173.2	5000	
Sn	118	115	He	-0.047	ug/l	N/A	2000	
Sb	121	115	He	0.060	ug/l	44.4	1000	
Ba	137	159	He	0.241	ug/l	40.4	20000	
Tl	205	209	He	-0.036	ug/l	N/A	1000	
[Pb]	206	209	He	-0.001	ug/l	N/A		
[Pb]	207	209	He	-0.021	ug/l	N/A		
Pb	208	209	He	-0.005	ug/l	N/A	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8381977.72	0.7	89.0	60	125	
Sc (ISICPMS)	45	No Gas	6046319.77	0.3	86.8	60	125	
Sc (ISICPMS)	45	H2	2260966.13	0.4	85.2	60	125	
Sc (ISICPMS)	45	He	89631.05	1.0	83.5	60	125	
Ge (IS)	74	H2	423676.51	0.5	83.8	60	125	
Ge (IS)	74	He	46961.22	1.2	84.5	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	107381.96	0.4	86.0	60	125	
Tb (IS)	159	He	656852.86	1.1	88.8	60	125	
Bi (IS)	209	He	590238.29	0.7	90.0	60	125	

DRAFT

Sample Report

File Name 070SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 13:56:41

Sample Name **LCS 460-984217/2-A**

Comment ---

Dilution **1.0000**

Vial # 2102

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	23.861	ug/l	0.5	2000	
B	11	6	No Gas	496.319	ug/l	0.6	2000	
Na	23	45	He	2829.453	ug/l	3.1	500000	
Mg	24	45	He	2667.143	ug/l	1.9	500000	
Al	27	45	He	2617.090	ug/l	2.3	500000	
K	39	45	He	2600.424	ug/l	2.4	500000	
Ca	40	45	H2	2562.093	ug/l	1.3	1000000	
Ti	47	45	No Gas	50.732	ug/l	1.1	10000	
V	51	45	He	50.213	ug/l	2.2	5000	
Cr	52	45	He	50.759	ug/l	2.4	20000	
Mn	55	45	He	252.503	ug/l	2.0	20000	
Fe	56	45	H2	2728.704	ug/l	0.8	500000	
Co	59	45	He	25.699	ug/l	3.0	2000	
Ni	60	45	He	52.784	ug/l	3.8	20000	
Cu	63	45	He	52.176	ug/l	1.0	20000	
Zn	66	45	He	256.264	ug/l	2.3	20000	
As	75	45	He	49.052	ug/l	3.7	5000	
Se	78	45	H2	49.887	ug/l	4.8	3000	
Sr	88	115	He	50.242	ug/l	1.9	5000	
Mo	95	115	He	50.306	ug/l	2.2	2000	
Ag	107	115	He	25.750	ug/l	1.3	1000	
Cd	111	115	He	24.962	ug/l	3.7	5000	
Sn	118	115	He	51.737	ug/l	1.9	2000	
Sb	121	115	He	25.095	ug/l	1.2	1000	
Ba	137	159	He	48.171	ug/l	2.3	20000	
Tl	205	209	He	19.662	ug/l	0.8	1000	
[Pb]	206	209	He	25.322	ug/l	1.0		
[Pb]	207	209	He	24.742	ug/l	1.6		
Pb	208	209	He	25.145	ug/l	1.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8201561.34	0.2	87.1	60	125	
Sc (ISICPMS)	45	No Gas	5932476.79	0.5	85.1	60	125	
Sc (ISICPMS)	45	H2	2244948.73	0.9	84.6	60	125	
Sc (ISICPMS)	45	He	87667.30	2.2	81.6	60	125	
Ge (IS)	74	H2	431398.09	1.1	85.3	60	125	
Ge (IS)	74	He	47989.14	0.6	86.4	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	103019.26	0.8	82.5	60	125	
Tb (IS)	159	He	640018.69	1.2	86.6	60	125	
Bi (IS)	209	He	576853.63	1.1	87.9	60	125	

DRAFT

Sample Report

File Name 071SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 13:59:10

Sample Name **PDS 460-307113-A-2-F**

Comment ---

Dilution **1.0000**

Vial # 2103

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	23.829	ug/l	0.2	2000	
B	11	6	No Gas	693.041	ug/l	0.7	2000	
Na	23	45	He	53004.395	ug/l	1.0	500000	
Mg	24	45	He	2783.244	ug/l	1.1	500000	
Al	27	45	He	39606.591	ug/l	1.2	500000	
K	39	45	He	18895.195	ug/l	0.6	500000	
Ca	40	45	H2	116387.476	ug/l	0.8	1000000	
Ti	47	45	No Gas	50.367	ug/l	1.3	10000	
V	51	45	He	49.937	ug/l	1.7	5000	
Cr	52	45	He	50.062	ug/l	0.7	20000	
Mn	55	45	He	262.052	ug/l	1.0	20000	
Fe	56	45	H2	2492.850	ug/l	1.4	500000	
Co	59	45	He	24.355	ug/l	1.2	2000	
Ni	60	45	He	49.161	ug/l	1.8	20000	
Cu	63	45	He	59.250	ug/l	0.5	20000	
Zn	66	45	He	244.309	ug/l	1.2	20000	
As	75	45	He	49.121	ug/l	5.9	5000	
Se	78	45	H2	49.596	ug/l	0.9	3000	
Sr	88	115	He	442.836	ug/l	1.7	5000	
Mo	95	115	He	75.625	ug/l	1.6	2000	
Ag	107	115	He	22.692	ug/l	2.4	1000	
Cd	111	115	He	25.100	ug/l	3.0	5000	
Sn	118	115	He	50.187	ug/l	1.9	2000	
Sb	121	115	He	53.555	ug/l	1.9	1000	
Ba	137	159	He	149.938	ug/l	2.7	20000	
Tl	205	209	He	19.620	ug/l	0.8	1000	
[Pb]	206	209	He	26.759	ug/l	0.5		
[Pb]	207	209	He	26.110	ug/l	0.6		
Pb	208	209	He	26.524	ug/l	0.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	7935598.28	1.1	84.3	60	125	
Sc (ISICPMS)	45	No Gas	5775529.22	0.3	82.9	60	125	
Sc (ISICPMS)	45	H2	2168341.35	0.8	81.7	60	125	
Sc (ISICPMS)	45	He	85012.40	0.3	79.2	60	125	
Ge (IS)	74	H2	422430.63	0.1	83.6	60	125	
Ge (IS)	74	He	46131.55	0.6	83.0	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	98568.96	0.4	78.9	60	125	
Tb (IS)	159	He	623013.32	0.1	84.3	60	125	
Bi (IS)	209	He	539192.27	0.5	82.2	60	125	

DRAFT

Sample Report

File Name 072SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 14:01:40

Sample Name **460-307113-A-2-H MS**

Comment ---

Dilution **1.0000**

Vial # 2104

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	23.531	ug/l	1.2	2000	
B	11	6	No Gas	705.454	ug/l	2.1	2000	
Na	23	45	He	53584.299	ug/l	0.9	500000	
Mg	24	45	He	2786.077	ug/l	0.5	500000	
Al	27	45	He	39644.644	ug/l	1.0	500000	
K	39	45	He	19077.118	ug/l	0.2	500000	
Ca	40	45	H2	118008.129	ug/l	0.1	1000000	
Ti	47	45	No Gas	49.939	ug/l	3.1	10000	
V	51	45	He	50.140	ug/l	1.8	5000	
Cr	52	45	He	49.840	ug/l	0.7	20000	
Mn	55	45	He	264.466	ug/l	1.6	20000	
Fe	56	45	H2	2559.272	ug/l	0.4	500000	
Co	59	45	He	24.312	ug/l	0.9	2000	
Ni	60	45	He	48.771	ug/l	1.8	20000	
Cu	63	45	He	58.841	ug/l	0.8	20000	
Zn	66	45	He	246.587	ug/l	0.9	20000	
As	75	45	He	48.140	ug/l	5.9	5000	
Se	78	45	H2	50.640	ug/l	3.2	3000	
Sr	88	115	He	446.949	ug/l	0.8	5000	
Mo	95	115	He	76.013	ug/l	1.2	2000	
Ag	107	115	He	24.516	ug/l	2.0	1000	
Cd	111	115	He	25.040	ug/l	0.6	5000	
Sn	118	115	He	49.746	ug/l	2.9	2000	
Sb	121	115	He	54.527	ug/l	2.2	1000	
Ba	137	159	He	149.774	ug/l	1.6	20000	
Tl	205	209	He	19.541	ug/l	0.9	1000	
[Pb]	206	209	He	26.665	ug/l	1.0		
[Pb]	207	209	He	25.925	ug/l	0.8		
Pb	208	209	He	26.328	ug/l	1.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	7953950.51	0.7	84.5	60	125	
Sc (ISICPMS)	45	No Gas	5769677.34	1.0	82.8	60	125	
Sc (ISICPMS)	45	H2	2176733.82	0.4	82.0	60	125	
Sc (ISICPMS)	45	He	86381.90	0.6	80.4	60	125	
Ge (IS)	74	H2	422880.77	0.7	83.6	60	125	
Ge (IS)	74	He	47423.93	0.6	85.3	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	99783.94	0.4	79.9	60	125	
Tb (IS)	159	He	626360.95	1.5	84.7	60	125	
Bi (IS)	209	He	549756.44	1.1	83.8	60	125	

DRAFT

Sample Report

File Name 073SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 14:04:10

Sample Name **460-307113-A-2-G DU**

Comment ---

Dilution **1.0000**

Vial # 2105

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.009	ug/l	22.3	2000	
B	11	6	No Gas	227.381	ug/l	0.5	2000	
Na	23	45	He	53190.837	ug/l	0.7	500000	
Mg	24	45	He	279.941	ug/l	0.7	500000	
Al	27	45	He	38899.534	ug/l	1.5	500000	
K	39	45	He	17359.892	ug/l	0.7	500000	
Ca	40	45	H2	120365.708	ug/l	1.2	1000000	
Ti	47	45	No Gas	1.670	ug/l	1.7	10000	
V	51	45	He	2.082	ug/l	11.7	5000	
Cr	52	45	He	1.734	ug/l	14.3	20000	
Mn	55	45	He	24.679	ug/l	2.3	20000	
Fe	56	45	H2	24.359	ug/l	2.9	500000	
Co	59	45	He	0.054	ug/l	57.0	2000	
Ni	60	45	He	0.942	ug/l	5.8	20000	
Cu	63	45	He	11.095	ug/l	5.2	20000	
Zn	66	45	He	6.025	ug/l	12.5	20000	
As	75	45	He	0.081	ug/l	176.9	5000	
Se	78	45	H2	0.400	ug/l	4.5	3000	
Sr	88	115	He	417.177	ug/l	0.8	5000	
Mo	95	115	He	28.619	ug/l	1.1	2000	
Ag	107	115	He	0.056	ug/l	8.9	1000	
Cd	111	115	He	0.014	ug/l	173.2	5000	
Sn	118	115	He	1.217	ug/l	16.6	2000	
Sb	121	115	He	30.676	ug/l	1.4	1000	
Ba	137	159	He	109.769	ug/l	2.3	20000	
Tl	205	209	He	-0.029	ug/l	N/A	1000	
[Pb]	206	209	He	1.737	ug/l	4.6		
[Pb]	207	209	He	1.644	ug/l	4.6		
Pb	208	209	He	1.705	ug/l	2.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	7997354.05	1.1	84.9	60	125	
Sc (ISICPMS)	45	No Gas	5844501.10	0.5	83.9	60	125	
Sc (ISICPMS)	45	H2	2195481.65	0.3	82.7	60	125	
Sc (ISICPMS)	45	He	86939.47	0.3	81.0	60	125	
Ge (IS)	74	H2	426722.14	0.9	84.4	60	125	
Ge (IS)	74	He	47762.72	1.2	86.0	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	100498.46	1.0	80.5	60	125	
Tb (IS)	159	He	629156.42	1.0	85.1	60	125	
Bi (IS)	209	He	551205.32	1.1	84.0	60	125	

DRAFT

Sample Report

File Name 074SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 14:06:40

Sample Name **460-307113-A-2-F**

Comment ---

Dilution **1.0000**

Vial # 2106

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.007	ug/l	39.4	2000	
B	11	6	No Gas	211.960	ug/l	1.2	2000	
Na	23	45	He	51026.112	ug/l	1.5	500000	
Mg	24	45	He	274.382	ug/l	2.8	500000	
Al	27	45	He	37225.551	ug/l	1.6	500000	
K	39	45	He	16597.049	ug/l	1.5	500000	
Ca	40	45	H2	114145.641	ug/l	1.4	1000000	
Ti	47	45	No Gas	1.442	ug/l	6.3	10000	
V	51	45	He	2.032	ug/l	10.7	5000	
Cr	52	45	He	1.683	ug/l	10.3	20000	
Mn	55	45	He	23.187	ug/l	3.8	20000	
Fe	56	45	H2	34.539	ug/l	2.5	500000	
Co	59	45	He	0.036	ug/l	35.2	2000	
Ni	60	45	He	1.121	ug/l	17.6	20000	
Cu	63	45	He	10.443	ug/l	2.0	20000	
Zn	66	45	He	5.550	ug/l	1.2	20000	
As	75	45	He	0.156	ug/l	77.8	5000	
Se	78	45	H2	0.510	ug/l	21.9	3000	
Sr	88	115	He	396.281	ug/l	1.8	5000	
Mo	95	115	He	26.125	ug/l	2.2	2000	
Ag	107	115	He	0.048	ug/l	24.7	1000	
Cd	111	115	He	0.020	ug/l	98.8	5000	
Sn	118	115	He	1.092	ug/l	17.1	2000	
Sb	121	115	He	29.175	ug/l	2.8	1000	
Ba	137	159	He	103.706	ug/l	1.8	20000	
Tl	205	209	He	-0.033	ug/l	N/A	1000	
[Pb]	206	209	He	1.619	ug/l	3.3		
[Pb]	207	209	He	1.526	ug/l	3.1		
Pb	208	209	He	1.592	ug/l	1.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8174653.00	1.2	86.8	60	125	
Sc (ISICPMS)	45	No Gas	5861889.43	0.6	84.1	60	125	
Sc (ISICPMS)	45	H2	2224860.11	0.5	83.8	60	125	
Sc (ISICPMS)	45	He	86981.59	1.5	81.0	60	125	
Ge (IS)	74	H2	431176.83	0.7	85.3	60	125	
Ge (IS)	74	He	47768.43	1.4	86.0	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	101613.27	2.1	81.4	60	125	
Tb (IS)	159	He	635667.49	1.9	86.0	60	125	
Bi (IS)	209	He	556413.90	0.2	84.8	60	125	

DRAFT

Sample Report

File Name 075SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 14:09:09

Sample Name **SD 460-307113-A-2-F@5**

Comment ---

Dilution **1.0000**

Vial # 2107

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.001	ug/l	277.9	2000	
B	11	6	No Gas	53.384	ug/l	1.7	2000	
Na	23	45	He	11834.630	ug/l	0.3	500000	
Mg	24	45	He	61.700	ug/l	3.9	500000	
Al	27	45	He	8548.205	ug/l	0.9	500000	
K	39	45	He	3828.685	ug/l	1.6	500000	
Ca	40	45	H2	26407.891	ug/l	1.4	1000000	
Ti	47	45	No Gas	-0.378	ug/l	N/A	10000	
V	51	45	He	0.444	ug/l	27.8	5000	
Cr	52	45	He	0.521	ug/l	14.5	20000	
Mn	55	45	He	5.583	ug/l	6.0	20000	
Fe	56	45	H2	8.682	ug/l	2.9	500000	
Co	59	45	He	0.006	ug/l	326.0	2000	
Ni	60	45	He	0.181	ug/l	75.3	20000	
Cu	63	45	He	2.478	ug/l	2.2	20000	
Zn	66	45	He	1.389	ug/l	37.3	20000	
As	75	45	He	-0.210	ug/l	N/A	5000	
Se	78	45	H2	0.106	ug/l	90.9	3000	
Sr	88	115	He	91.029	ug/l	1.2	5000	
Mo	95	115	He	6.170	ug/l	2.5	2000	
Ag	107	115	He	0.015	ug/l	31.6	1000	
Cd	111	115	He	0.026	ug/l	43.9	5000	
Sn	118	115	He	0.249	ug/l	25.3	2000	
Sb	121	115	He	6.429	ug/l	2.4	1000	
Ba	137	159	He	24.549	ug/l	2.7	20000	
Tl	205	209	He	-0.039	ug/l	N/A	1000	
[Pb]	206	209	He	0.358	ug/l	8.9		
[Pb]	207	209	He	0.372	ug/l	10.8		
Pb	208	209	He	0.360	ug/l	5.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8534684.25	0.4	90.7	60	125	
Sc (ISICPMS)	45	No Gas	6068966.09	1.0	87.1	60	125	
Sc (ISICPMS)	45	H2	2263402.75	0.7	85.3	60	125	
Sc (ISICPMS)	45	He	89987.66	0.5	83.8	60	125	
Ge (IS)	74	H2	428860.09	0.4	84.8	60	125	
Ge (IS)	74	He	47759.47	1.0	85.9	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	105634.02	0.5	84.6	60	125	
Tb (IS)	159	He	655010.41	0.2	88.6	60	125	
Bi (IS)	209	He	581707.10	1.5	88.7	60	125	

DRAFT

Sample Report

File Name 076SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 14:11:39

Sample Name **LB 460-983929/1-C**

Comment ---

Dilution **1.0000**

Vial # 2112

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.003	ug/l	62.8	2000	
B	11	6	No Gas	6.065	ug/l	0.6	2000	
Na	23	45	He	150.435	ug/l	2.5	500000	
Mg	24	45	He	3.151	ug/l	13.2	500000	
Al	27	45	He	5.701	ug/l	20.8	500000	
K	39	45	He	496.233	ug/l	2.5	500000	
Ca	40	45	H2	55.537	ug/l	2.4	1000000	
Ti	47	45	No Gas	0.557	ug/l	87.8	10000	
V	51	45	He	0.225	ug/l	64.3	5000	
Cr	52	45	He	0.716	ug/l	25.7	20000	
Mn	55	45	He	11.785	ug/l	5.3	20000	
Fe	56	45	H2	9.570	ug/l	4.3	500000	
Co	59	45	He	0.006	ug/l	299.7	2000	
Ni	60	45	He	0.677	ug/l	20.4	20000	
Cu	63	45	He	0.513	ug/l	10.1	20000	
Zn	66	45	He	3.629	ug/l	15.8	20000	
As	75	45	He	-0.064	ug/l	N/A	5000	
Se	78	45	H2	0.104	ug/l	74.4	3000	
Sr	88	115	He	0.219	ug/l	73.3	5000	
Mo	95	115	He	0.117	ug/l	19.6	2000	
Ag	107	115	He	0.046	ug/l	23.9	1000	
Cd	111	115	He	0.006	ug/l	173.2	5000	
Sn	118	115	He	0.655	ug/l	23.5	2000	
Sb	121	115	He	0.074	ug/l	57.7	1000	
Ba	137	159	He	0.769	ug/l	19.7	20000	
Tl	205	209	He	-0.036	ug/l	N/A	1000	
[Pb]	206	209	He	10.193	ug/l	1.1		
[Pb]	207	209	He	10.002	ug/l	3.6		
Pb	208	209	He	10.057	ug/l	1.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8485728.28	0.2	90.1	60	125	
Sc (ISICPMS)	45	No Gas	6082371.09	0.5	87.3	60	125	
Sc (ISICPMS)	45	H2	2279729.84	0.2	85.9	60	125	
Sc (ISICPMS)	45	He	89727.87	0.7	83.6	60	125	
Ge (IS)	74	H2	438300.16	0.5	86.7	60	125	
Ge (IS)	74	He	48433.04	0.3	87.2	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	106088.71	0.6	85.0	60	125	
Tb (IS)	159	He	652945.11	1.0	88.3	60	125	
Bi (IS)	209	He	588089.61	0.5	89.6	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 077_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 14:14:07

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	97.348	ug/l	1.5	100	90	110	
B	11	6	No Gas	250.076	ug/l	1.9	250	225	275	
Na	23	45	He	25992.625	ug/l	0.4	25000	22500	27500	
Mg	24	45	He	25735.412	ug/l	0.6	25000	22500	27500	
Al	27	45	He	25250.269	ug/l	0.5	25000	22500	27500	
K	39	45	He	25121.666	ug/l	0.4	25000	22500	27500	
Ca	40	45	H2	24615.684	ug/l	1.0	25000	22500	27500	
Ti	47	45	No Gas	99.465	ug/l	2.5	100	90	110	
V	51	45	He	99.135	ug/l	0.6	100	90	110	
Cr	52	45	He	100.274	ug/l	1.3	100	90	110	
Mn	55	45	He	100.030	ug/l	0.9	100	90	110	
Fe	56	45	H2	24947.116	ug/l	1.3	25000	22500	27500	
Co	59	45	He	100.917	ug/l	0.5	100	90	110	
Ni	60	45	He	100.506	ug/l	1.4	100	90	110	
Cu	63	45	He	101.833	ug/l	0.5	100	90	110	
Zn	66	45	He	255.362	ug/l	1.0	250	225	275	
As	75	45	He	97.527	ug/l	4.2	100	90	110	
Se	78	45	H2	101.904	ug/l	1.7	100	90	110	
Sr	88	115	He	96.261	ug/l	1.5	100	90	110	
Mo	95	115	He	100.260	ug/l	0.9	100	90	110	
Ag	107	115	He	50.081	ug/l	0.9	50	45	55	
Cd	111	115	He	101.530	ug/l	2.3	100	90	110	
Sn	118	115	He	100.708	ug/l	0.8	100	90	110	
Sb	121	115	He	99.494	ug/l	1.4	100	90	110	
Ba	137	159	He	97.348	ug/l	0.9	100	90	110	
Tl	205	209	He	99.615	ug/l	0.4	100	90	110	
[Pb]	206	209	He	99.500	ug/l	1.1				
[Pb]	207	209	He	99.959	ug/l	0.3				
Pb	208	209	He	100.060	ug/l	0.3	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	8450223.35	0.9	89.8	60	125	
Sc (ISICPMS)	45	No Gas	6070707.55	0.8	87.1	60	125	
Sc (ISICPMS)	45	H2	2299078.26	0.7	86.6	60	125	
Sc (ISICPMS)	45	He	90026.38	0.4	83.8	60	125	
Ge (IS)	74	H2	439035.98	1.1	86.8	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	48038.21	1.8	86.4	60	125	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	105163.99	1.0	84.2	60	125	
Tb (IS)	159	He	648612.54	1.1	87.7	60	125	
Bi (IS)	209	He	574218.78	0.8	87.5	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 078_Blk.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 14:16:37

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.009	ug/l	37.6	0.8	-0.8	0.8	
B	11	6	No Gas	6.446	ug/l	2.4	40	-40	40	
Na	23	45	He	85.931	ug/l	11.1	500	-500	500	
Mg	24	45	He	0.318	ug/l	133.2	200	-200	200	
Al	27	45	He	-0.328	ug/l	N/A	40	-40	40	
K	39	45	He	14.973	ug/l	65.9	200	-200	200	
Ca	40	45	H2	3.315	ug/l	9.8	500	-500	500	
Ti	47	45	No Gas	0.789	ug/l	14.8	4	-4	4	
V	51	45	He	-0.118	ug/l	N/A	4	-4	4	
Cr	52	45	He	0.031	ug/l	723.8	4	-4	4	
Mn	55	45	He	0.034	ug/l	104.9	8	-8	8	
Fe	56	45	H2	2.778	ug/l	15.4	60	-60	60	
Co	59	45	He	0.012	ug/l	65.1	4	-4	4	
Ni	60	45	He	-0.150	ug/l	N/A	4	-4	4	
Cu	63	45	He	0.081	ug/l	49.4	4	-4	4	
Zn	66	45	He	0.138	ug/l	146.1	16	-16	16	
As	75	45	He	-0.144	ug/l	N/A	2	-2	2	
Se	78	45	H2	0.236	ug/l	35.4	2.5	-2.5	2.5	
Sr	88	115	He	-0.035	ug/l	N/A	4	-4	4	
Mo	95	115	He	0.170	ug/l	38.5	4	-4	4	
Ag	107	115	He	0.003	ug/l	61.5	2	-2	2	
Cd	111	115	He	0.000	ug/l	N/A	2	-2	2	
Sn	118	115	He	0.052	ug/l	267.5	16	-16	16	
Sb	121	115	He	0.029	ug/l	148.7	2	-2	2	
Ba	137	159	He	0.269	ug/l	28.9	4	-4	4	
Tl	205	209	He	-0.018	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	-0.003	ug/l	N/A				
[Pb]	207	209	He	-0.036	ug/l	N/A				
Pb	208	209	He	-0.008	ug/l	N/A	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	8554962.65	0.7	90.9	60	125	
Sc (ISICPMS)	45	No Gas	6082520.46	0.7	87.3	60	125	
Sc (ISICPMS)	45	H2	2298690.26	1.2	86.6	60	125	
Sc (ISICPMS)	45	He	91567.62	0.3	85.3	60	125	
Ge (IS)	74	H2	432071.43	1.0	85.5	60	125	
Ge (IS)	74	He	47532.05	0.3	85.5	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	107910.40	1.8	86.4	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	663724.04	0.8	89.8	60	125	
Bi (IS)	209	He	595492.40	1.0	90.8	60	125	

DRAFT

Sample Report

File Name 079SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 14:19:06

Sample Name **460-305973-A-1-E**

Comment ---

Dilution **1.0000**

Vial # 2108

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.137	ug/l	13.9	2000	
B	11	6	No Gas	73.292	ug/l	2.2	2000	
Na	23	45	He	21726.355	ug/l	1.8	500000	
Mg	24	45	He	1324.563	ug/l	2.5	500000	
Al	27	45	He	4257.780	ug/l	2.6	500000	
K	39	45	He	1025.873	ug/l	2.1	500000	
Ca	40	45	H2	7969.693	ug/l	0.4	1000000	
Ti	47	45	No Gas	187.316	ug/l	23.4	10000	
V	51	45	He	20.232	ug/l	2.6	5000	
Cr	52	45	He	6.436	ug/l	5.6	20000	
Mn	55	45	He	57.383	ug/l	1.2	20000	
Fe	56	45	H2	3243.577	ug/l	0.6	500000	
Co	59	45	He	0.958	ug/l	10.2	2000	
Ni	60	45	He	5.725	ug/l	8.2	20000	
Cu	63	45	He	14.356	ug/l	1.1	20000	
Zn	66	45	He	46.756	ug/l	2.0	20000	
As	75	45	He	5.430	ug/l	16.2	5000	
Se	78	45	H2	0.420	ug/l	56.0	3000	
Sr	88	115	He	38.519	ug/l	1.7	5000	
Mo	95	115	He	4.401	ug/l	4.4	2000	
Ag	107	115	He	0.049	ug/l	5.9	1000	
Cd	111	115	He	0.145	ug/l	32.1	5000	
Sn	118	115	He	1.481	ug/l	9.0	2000	
Sb	121	115	He	1.356	ug/l	7.7	1000	
Ba	137	159	He	25.578	ug/l	1.4	20000	
Tl	205	209	He	0.000	ug/l	1395.6	1000	
[Pb]	206	209	He	44.250	ug/l	0.9		
[Pb]	207	209	He	42.936	ug/l	1.6		
Pb	208	209	He	43.501	ug/l	1.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8301829.66	0.2	88.2	60	125	
Sc (ISICPMS)	45	No Gas	5971618.45	0.5	85.7	60	125	
Sc (ISICPMS)	45	H2	2244438.77	1.0	84.6	60	125	
Sc (ISICPMS)	45	He	86676.03	1.4	80.7	60	125	
Ge (IS)	74	H2	449709.76	0.7	89.0	60	125	
Ge (IS)	74	He	49555.78	1.4	89.2	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	102528.40	0.9	82.1	60	125	
Tb (IS)	159	He	635684.35	1.5	86.0	60	125	
Bi (IS)	209	He	566126.26	1.5	86.3	60	125	

DRAFT

Sample Report

File Name 080SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 14:21:35

Sample Name **460-305973-A-3-E**

Comment ---

Dilution **1.0000**

Vial # 2109

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.142	ug/l	7.8	2000	
B	11	6	No Gas	27.430	ug/l	3.2	2000	
Na	23	45	He	10521.781	ug/l	1.4	500000	
Mg	24	45	He	705.613	ug/l	0.4	500000	
Al	27	45	He	3586.777	ug/l	1.6	500000	
K	39	45	He	546.994	ug/l	6.0	500000	
Ca	40	45	H2	2124.166	ug/l	0.9	1000000	
Ti	47	45	No Gas	123.043	ug/l	9.3	10000	
V	51	45	He	8.411	ug/l	2.9	5000	
Cr	52	45	He	5.136	ug/l	6.7	20000	
Mn	55	45	He	58.376	ug/l	1.6	20000	
Fe	56	45	H2	2625.032	ug/l	1.7	500000	
Co	59	45	He	0.688	ug/l	5.7	2000	
Ni	60	45	He	3.100	ug/l	3.3	20000	
Cu	63	45	He	11.074	ug/l	1.1	20000	
Zn	66	45	He	73.110	ug/l	3.0	20000	
As	75	45	He	4.086	ug/l	4.0	5000	
Se	78	45	H2	0.243	ug/l	34.0	3000	
Sr	88	115	He	11.307	ug/l	1.5	5000	
Mo	95	115	He	1.565	ug/l	9.6	2000	
Ag	107	115	He	0.080	ug/l	8.2	1000	
Cd	111	115	He	0.199	ug/l	10.4	5000	
Sn	118	115	He	1.915	ug/l	11.3	2000	
Sb	121	115	He	0.936	ug/l	3.2	1000	
Ba	137	159	He	24.920	ug/l	3.9	20000	
Tl	205	209	He	-0.004	ug/l	N/A	1000	
[Pb]	206	209	He	46.500	ug/l	0.5		
[Pb]	207	209	He	45.695	ug/l	1.8		
Pb	208	209	He	45.805	ug/l	1.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8191405.85	1.1	87.0	60	125	
Sc (ISICPMS)	45	No Gas	5948293.38	0.2	85.3	60	125	
Sc (ISICPMS)	45	H2	2243978.18	0.4	84.6	60	125	
Sc (ISICPMS)	45	He	88278.79	0.3	82.2	60	125	
Ge (IS)	74	H2	449510.21	0.5	88.9	60	125	
Ge (IS)	74	He	49093.15	0.4	88.3	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	101902.34	0.6	81.6	60	125	
Tb (IS)	159	He	635845.31	0.5	86.0	60	125	
Bi (IS)	209	He	568458.09	0.1	86.7	60	125	

DRAFT

Sample Report

File Name 081SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 14:24:04

Sample Name **460-307113-A-1-F**

Comment ---

Dilution **1.0000**

Vial # 2110

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.006	ug/l	33.3	2000	
B	11	6	No Gas	305.329	ug/l	1.4	2000	
Na	23	45	He	160094.300	ug/l	1.8	500000	
Mg	24	45	He	423.347	ug/l	2.5	500000	
Al	27	45	He	23389.711	ug/l	1.4	500000	
K	39	45	He	59711.623	ug/l	1.0	500000	
Ca	40	45	H2	130734.727	ug/l	0.1	1000000	
Ti	47	45	No Gas	16.205	ug/l	18.9	10000	
V	51	45	He	5.611	ug/l	2.4	5000	
Cr	52	45	He	2.033	ug/l	14.0	20000	
Mn	55	45	He	8.369	ug/l	3.7	20000	
Fe	56	45	H2	133.691	ug/l	1.2	500000	
Co	59	45	He	1.361	ug/l	4.3	2000	
Ni	60	45	He	3.314	ug/l	8.4	20000	
Cu	63	45	He	50.981	ug/l	1.5	20000	
Zn	66	45	He	53.269	ug/l	1.3	20000	
As	75	45	He	1.162	ug/l	32.8	5000	
Se	78	45	H2	0.407	ug/l	36.5	3000	
Sr	88	115	He	533.191	ug/l	1.0	5000	
Mo	95	115	He	63.110	ug/l	0.8	2000	
Ag	107	115	He	0.042	ug/l	44.6	1000	
Cd	111	115	He	0.149	ug/l	51.6	5000	
Sn	118	115	He	2.989	ug/l	18.2	2000	
Sb	121	115	He	142.089	ug/l	1.4	1000	
Ba	137	159	He	128.871	ug/l	0.9	20000	
Tl	205	209	He	-0.033	ug/l	N/A	1000	
[Pb]	206	209	He	9.168	ug/l	0.8		
[Pb]	207	209	He	8.630	ug/l	3.1		
Pb	208	209	He	8.867	ug/l	1.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8058949.54	0.3	85.6	60	125	
Sc (ISICPMS)	45	No Gas	5815511.93	1.9	83.4	60	125	
Sc (ISICPMS)	45	H2	2215904.44	0.8	83.5	60	125	
Sc (ISICPMS)	45	He	86907.67	1.4	80.9	60	125	
Ge (IS)	74	H2	428205.38	0.7	84.7	60	125	
Ge (IS)	74	He	47224.23	2.1	85.0	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	99948.20	1.0	80.0	60	125	
Tb (IS)	159	He	629832.48	0.2	85.2	60	125	
Bi (IS)	209	He	542115.46	1.4	82.6	60	125	

DRAFT

Sample Report

File Name 082SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 14:26:35

Sample Name **460-307113-A-3-H**

Comment ---

Dilution **1.0000**

Vial # 2111

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.006	ug/l	18.7	2000	
B	11	6	No Gas	75.061	ug/l	1.1	2000	
Na	23	45	He	56892.510	ug/l	1.2	500000	
Mg	24	45	He	308.301	ug/l	2.3	500000	
Al	27	45	He	178381.819	ug/l	1.6	500000	
K	39	45	He	20176.655	ug/l	1.4	500000	
Ca	40	45	H2	192966.789	ug/l	0.2	1000000	
Ti	47	45	No Gas	3.820	ug/l	8.1	10000	
V	51	45	He	2.727	ug/l	15.5	5000	
Cr	52	45	He	2.137	ug/l	7.7	20000	
Mn	55	45	He	3.430	ug/l	6.2	20000	
Fe	56	45	H2	110.924	ug/l	0.9	500000	
Co	59	45	He	0.133	ug/l	21.0	2000	
Ni	60	45	He	1.313	ug/l	7.5	20000	
Cu	63	45	He	11.513	ug/l	1.5	20000	
Zn	66	45	He	29.515	ug/l	2.4	20000	
As	75	45	He	2.154	ug/l	11.6	5000	
Se	78	45	H2	0.262	ug/l	54.2	3000	
Sr	88	115	He	582.969	ug/l	0.4	5000	
Mo	95	115	He	15.075	ug/l	1.9	2000	
Ag	107	115	He	0.034	ug/l	39.4	1000	
Cd	111	115	He	0.073	ug/l	32.2	5000	
Sn	118	115	He	1.447	ug/l	10.1	2000	
Sb	121	115	He	10.152	ug/l	4.0	1000	
Ba	137	159	He	139.843	ug/l	3.0	20000	
Tl	205	209	He	-0.033	ug/l	N/A	1000	
[Pb]	206	209	He	22.847	ug/l	2.2		
[Pb]	207	209	He	21.329	ug/l	1.2		
Pb	208	209	He	21.917	ug/l	0.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8186690.51	1.1	87.0	60	125	
Sc (ISICPMS)	45	No Gas	5923896.78	0.5	85.0	60	125	
Sc (ISICPMS)	45	H2	2261757.45	0.6	85.2	60	125	
Sc (ISICPMS)	45	He	88254.26	0.8	82.2	60	125	
Ge (IS)	74	H2	436236.80	0.2	86.3	60	125	
Ge (IS)	74	He	47903.29	1.2	86.2	60	125	
Kr	83	He	6.67	86.6	200.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	102306.65	0.6	81.9	60	125	
Tb (IS)	159	He	640961.73	1.5	86.7	60	125	
Bi (IS)	209	He	552410.74	1.2	84.2	60	125	

DRAFT

Sample Report

File Name 083SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 14:29:04

Sample Name **460-307113-A-1-C@2**

Comment ---

Dilution **1.0000**

Vial # 2202

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	1.190	ug/l	3.6	2000	
B	11	6	No Gas	454.261	ug/l	1.4	2000	
Na	23	45	He	37558.763	ug/l	1.0	500000	
Mg	24	45	He	37947.518	ug/l	0.7	500000	
Al	27	45	He	138278.281	ug/l	0.2	500000	
K	39	45	He	15787.055	ug/l	0.2	500000	
Ca	40	45	H2	306249.081	ug/l	0.8	1000000	
Ti	47	45	No Gas	3666.855	ug/l	0.9	10000	
V	51	45	He	87.695	ug/l	0.4	5000	
Cr	52	45	He	567.704	ug/l	0.3	20000	
Mn	55	45	He	1777.173	ug/l	0.6	20000	
Fe	56	45	H2	116932.386	ug/l	1.0	500000	
Co	59	45	He	778.251	ug/l	1.0	2000	
Ni	60	45	He	1019.404	ug/l	0.6	20000	
Cu	63	45	He	10117.718	ug/l	0.3	20000	
Zn	66	45	He	9260.678	ug/l	1.0	20000	
As	75	45	He	25.094	ug/l	2.7	5000	
Se	78	45	H2	1.939	ug/l	25.9	3000	
Sr	88	115	He	606.753	ug/l	0.6	5000	
Mo	95	115	He	164.093	ug/l	0.4	2000	
Ag	107	115	He	4.629	ug/l	2.9	1000	
Cd	111	115	He	22.079	ug/l	0.9	5000	
Sn	118	115	He	230.373	ug/l	1.0	2000	
Sb	121	115	He	162.457	ug/l	1.0	1000	
Ba	137	159	He	1671.627	ug/l	0.2	20000	
Tl	205	209	He	0.091	ug/l	5.6	1000	
[Pb]	206	209	He	1473.178	ug/l	1.4		
[Pb]	207	209	He	1433.374	ug/l	0.5		
Pb	208	209	He	1445.914	ug/l	0.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8306296.19	0.3	88.2	60	125	
Sc (ISICPMS)	45	No Gas	6049504.01	0.7	86.8	60	125	
Sc (ISICPMS)	45	H2	2252422.34	0.7	84.9	60	125	
Sc (ISICPMS)	45	He	88219.27	1.1	82.2	60	125	
Ge (IS)	74	H2	423772.67	0.3	83.8	60	125	
Ge (IS)	74	He	47469.36	1.0	85.4	60	125	
Kr	83	He	13.35	86.6	400.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	102067.36	0.6	81.7	60	125	
Tb (IS)	159	He	640072.29	1.5	86.6	60	125	
Bi (IS)	209	He	581856.26	1.7	88.7	60	125	

DRAFT

Sample Report

File Name 084SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 14:31:35

Sample Name **460-307079-I-1-A**

Comment ---

Dilution **1.0000**

Vial # 2210

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.237	ug/l	8.1	2000	
B	11	6	No Gas	513.107	ug/l	1.0	2000	
Na	23	45	He	71036.989	ug/l	0.8	500000	
Mg	24	45	He	10667.234	ug/l	0.8	500000	
Al	27	45	He	2801.813	ug/l	0.4	500000	
K	39	45	He	6860.982	ug/l	1.1	500000	
Ca	40	45	H2	32364.032	ug/l	1.1	1000000	
Ti	47	45	No Gas	101.367	ug/l	0.7	10000	
V	51	45	He	30.591	ug/l	2.3	5000	
Cr	52	45	He	13.960	ug/l	0.1	20000	
Mn	55	45	He	746.624	ug/l	0.4	20000	
Fe	56	45	H2	25233.699	ug/l	1.1	500000	
Co	59	45	He	2.291	ug/l	0.7	2000	
Ni	60	45	He	8.716	ug/l	1.9	20000	
Cu	63	45	He	34.645	ug/l	0.6	20000	
Zn	66	45	He	175.763	ug/l	2.5	20000	
As	75	45	He	64.908	ug/l	2.8	5000	
Se	78	45	H2	0.259	ug/l	25.9	3000	
Sr	88	115	He	404.242	ug/l	1.2	5000	
Mo	95	115	He	3.089	ug/l	3.4	2000	
Ag	107	115	He	0.294	ug/l	9.5	1000	
Cd	111	115	He	0.948	ug/l	26.5	5000	
Sn	118	115	He	7.754	ug/l	3.7	2000	
Sb	121	115	He	0.917	ug/l	7.4	1000	
Ba	137	159	He	179.160	ug/l	1.8	20000	
Tl	205	209	He	0.001	ug/l	29.3	1000	
[Pb]	206	209	He	37.456	ug/l	1.1		
[Pb]	207	209	He	36.086	ug/l	0.6		
Pb	208	209	He	36.477	ug/l	1.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8387974.67	0.8	89.1	60	125	
Sc (ISICPMS)	45	No Gas	6086132.41	0.7	87.3	60	125	
Sc (ISICPMS)	45	H2	2283684.67	0.9	86.1	60	125	
Sc (ISICPMS)	45	He	88944.89	0.6	82.8	60	125	
Ge (IS)	74	H2	444675.68	0.9	88.0	60	125	
Ge (IS)	74	He	49298.32	1.3	88.7	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	103525.80	0.7	82.9	60	125	
Tb (IS)	159	He	648195.15	0.9	87.7	60	125	
Bi (IS)	209	He	568266.70	0.7	86.6	60	125	

DRAFT

Sample Report

File Name 085SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 14:34:04

Sample Name **460-307082-H-1-A**

Comment ---

Dilution **1.0000**

Vial # 2211

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.153	ug/l	0.4	2000	
B	11	6	No Gas	210.778	ug/l	1.7	2000	
Na	23	45	He	11319.640	ug/l	1.0	500000	
Mg	24	45	He	41460.875	ug/l	1.4	500000	
Al	27	45	He	5205.160	ug/l	2.1	500000	
K	39	45	He	3104.153	ug/l	2.1	500000	
Ca	40	45	H2	100433.209	ug/l	0.8	1000000	
Ti	47	45	No Gas	210.514	ug/l	0.4	10000	
V	51	45	He	257.020	ug/l	1.0	5000	
Cr	52	45	He	86.648	ug/l	1.4	20000	
Mn	55	45	He	667.267	ug/l	0.8	20000	
Fe	56	45	H2	8935.182	ug/l	1.2	500000	
Co	59	45	He	33.195	ug/l	1.0	2000	
Ni	60	45	He	17.452	ug/l	2.8	20000	
Cu	63	45	He	369.260	ug/l	0.5	20000	
Zn	66	45	He	109.844	ug/l	0.2	20000	
As	75	45	He	6.833	ug/l	6.7	5000	
Se	78	45	H2	1.375	ug/l	5.7	3000	
Sr	88	115	He	171.802	ug/l	2.3	5000	
Mo	95	115	He	1.421	ug/l	9.0	2000	
Ag	107	115	He	0.105	ug/l	22.3	1000	
Cd	111	115	He	1.226	ug/l	4.8	5000	
Sn	118	115	He	2.189	ug/l	4.5	2000	
Sb	121	115	He	1.758	ug/l	4.3	1000	
Ba	137	159	He	38.587	ug/l	3.5	20000	
Tl	205	209	He	-0.016	ug/l	N/A	1000	
[Pb]	206	209	He	80.934	ug/l	1.6		
[Pb]	207	209	He	77.311	ug/l	1.8		
Pb	208	209	He	78.934	ug/l	1.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8284209.25	1.6	88.0	60	125	
Sc (ISICPMS)	45	No Gas	6059933.59	0.9	87.0	60	125	
Sc (ISICPMS)	45	H2	2272427.05	0.8	85.6	60	125	
Sc (ISICPMS)	45	He	88466.57	0.4	82.4	60	125	
Ge (IS)	74	H2	437354.66	0.6	86.5	60	125	
Ge (IS)	74	He	47863.21	0.7	86.1	60	125	
Kr	83	He	6.67	86.6	200.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	103745.36	2.0	83.1	60	125	
Tb (IS)	159	He	639666.89	0.8	86.5	60	125	
Bi (IS)	209	He	566812.98	0.3	86.4	60	125	

DRAFT

Sample Report

File Name 086SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 14:36:35

Sample Name **460-306963-D-4-A**

Comment ---

Dilution **1.0000**

Vial # 2212

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.007	ug/l	71.8	2000	
B	11	6	No Gas	6.816	ug/l	3.7	2000	
Na	23	45	He	132.893	ug/l	5.1	500000	
Mg	24	45	He	3.293	ug/l	7.6	500000	
Al	27	45	He	2.309	ug/l	24.5	500000	
K	39	45	He	25.862	ug/l	17.6	500000	
Ca	40	45	H2	22.595	ug/l	3.0	1000000	
Ti	47	45	No Gas	1.284	ug/l	24.8	10000	
V	51	45	He	-0.235	ug/l	N/A	5000	
Cr	52	45	He	-0.056	ug/l	N/A	20000	
Mn	55	45	He	0.263	ug/l	19.3	20000	
Fe	56	45	H2	5.875	ug/l	2.6	500000	
Co	59	45	He	0.033	ug/l	76.4	2000	
Ni	60	45	He	0.228	ug/l	53.2	20000	
Cu	63	45	He	0.704	ug/l	9.8	20000	
Zn	66	45	He	3.577	ug/l	14.3	20000	
As	75	45	He	-0.132	ug/l	N/A	5000	
Se	78	45	H2	-0.019	ug/l	N/A	3000	
Sr	88	115	He	0.062	ug/l	42.6	5000	
Mo	95	115	He	0.084	ug/l	75.5	2000	
Ag	107	115	He	0.031	ug/l	26.6	1000	
Cd	111	115	He	0.013	ug/l	173.2	5000	
Sn	118	115	He	0.175	ug/l	27.4	2000	
Sb	121	115	He	0.046	ug/l	51.1	1000	
Ba	137	159	He	0.265	ug/l	47.6	20000	
Tl	205	209	He	-0.034	ug/l	N/A	1000	
[Pb]	206	209	He	0.019	ug/l	41.2		
[Pb]	207	209	He	0.013	ug/l	223.1		
Pb	208	209	He	0.034	ug/l	36.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8424704.87	1.0	89.5	60	125	
Sc (ISICPMS)	45	No Gas	6002649.84	0.1	86.1	60	125	
Sc (ISICPMS)	45	H2	2262212.43	0.4	85.3	60	125	
Sc (ISICPMS)	45	He	88724.93	0.7	82.6	60	125	
Ge (IS)	74	H2	418230.84	0.8	82.7	60	125	
Ge (IS)	74	He	46241.86	1.1	83.2	60	125	
Kr	83	He	6.67	86.6	200.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	106000.84	0.4	84.9	60	125	
Tb (IS)	159	He	650690.95	0.2	88.0	60	125	
Bi (IS)	209	He	589518.90	0.2	89.9	60	125	

DRAFT

Sample Report

File Name 087SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 14:39:03

Sample Name **LB 460-983947/1-C**

Comment ---

Dilution **1.0000**

Vial # 2201

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.004	ug/l	61.7	2000	
B	11	6	No Gas	5.127	ug/l	4.8	2000	
Na	23	45	He	127.973	ug/l	4.3	500000	
Mg	24	45	He	3.278	ug/l	23.1	500000	
Al	27	45	He	5.332	ug/l	39.3	500000	
K	39	45	He	482.890	ug/l	2.8	500000	
Ca	40	45	H2	49.855	ug/l	2.2	1000000	
Ti	47	45	No Gas	2.508	ug/l	6.2	10000	
V	51	45	He	0.418	ug/l	33.2	5000	
Cr	52	45	He	0.610	ug/l	15.1	20000	
Mn	55	45	He	11.459	ug/l	3.3	20000	
Fe	56	45	H2	8.459	ug/l	4.5	500000	
Co	59	45	He	0.047	ug/l	33.0	2000	
Ni	60	45	He	0.606	ug/l	30.0	20000	
Cu	63	45	He	0.793	ug/l	10.3	20000	
Zn	66	45	He	3.626	ug/l	11.6	20000	
As	75	45	He	-0.062	ug/l	N/A	5000	
Se	78	45	H2	0.045	ug/l	109.3	3000	
Sr	88	115	He	0.149	ug/l	54.0	5000	
Mo	95	115	He	0.099	ug/l	23.9	2000	
Ag	107	115	He	0.010	ug/l	56.1	1000	
Cd	111	115	He	0.013	ug/l	86.6	5000	
Sn	118	115	He	0.564	ug/l	34.1	2000	
Sb	121	115	He	0.093	ug/l	20.8	1000	
Ba	137	159	He	0.758	ug/l	40.0	20000	
Tl	205	209	He	-0.039	ug/l	N/A	1000	
[Pb]	206	209	He	10.119	ug/l	1.5		
[Pb]	207	209	He	9.895	ug/l	0.7		
Pb	208	209	He	10.059	ug/l	0.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8285178.14	0.9	88.0	60	125	
Sc (ISICPMS)	45	No Gas	5967049.84	1.2	85.6	60	125	
Sc (ISICPMS)	45	H2	2240067.73	1.5	84.4	60	125	
Sc (ISICPMS)	45	He	89144.34	0.4	83.0	60	125	
Ge (IS)	74	H2	423851.20	0.7	83.8	60	125	
Ge (IS)	74	He	48259.02	0.9	86.8	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	106882.86	1.3	85.6	60	125	
Tb (IS)	159	He	655332.34	0.8	88.6	60	125	
Bi (IS)	209	He	592244.38	0.5	90.3	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 088_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 14:41:33

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	98.753	ug/l	0.3	100	90	110	
B	11	6	No Gas	252.939	ug/l	1.1	250	225	275	
Na	23	45	He	26316.754	ug/l	0.4	25000	22500	27500	
Mg	24	45	He	26193.915	ug/l	1.0	25000	22500	27500	
Al	27	45	He	25422.324	ug/l	0.5	25000	22500	27500	
K	39	45	He	25428.867	ug/l	0.4	25000	22500	27500	
Ca	40	45	H2	24623.911	ug/l	0.7	25000	22500	27500	
Ti	47	45	No Gas	101.009	ug/l	1.9	100	90	110	
V	51	45	He	101.162	ug/l	0.5	100	90	110	
Cr	52	45	He	102.013	ug/l	0.4	100	90	110	
Mn	55	45	He	101.465	ug/l	0.5	100	90	110	
Fe	56	45	H2	25013.576	ug/l	0.7	25000	22500	27500	
Co	59	45	He	102.352	ug/l	0.2	100	90	110	
Ni	60	45	He	101.369	ug/l	1.1	100	90	110	
Cu	63	45	He	102.037	ug/l	0.8	100	90	110	
Zn	66	45	He	256.928	ug/l	1.8	250	225	275	
As	75	45	He	99.528	ug/l	3.1	100	90	110	
Se	78	45	H2	99.036	ug/l	1.0	100	90	110	
Sr	88	115	He	96.583	ug/l	1.5	100	90	110	
Mo	95	115	He	99.762	ug/l	1.6	100	90	110	
Ag	107	115	He	50.616	ug/l	1.3	50	45	55	
Cd	111	115	He	101.561	ug/l	0.9	100	90	110	
Sn	118	115	He	102.104	ug/l	1.7	100	90	110	
Sb	121	115	He	100.262	ug/l	0.5	100	90	110	
Ba	137	159	He	98.067	ug/l	0.9	100	90	110	
Tl	205	209	He	100.425	ug/l	0.1	100	90	110	
[Pb]	206	209	He	100.199	ug/l	0.8				
[Pb]	207	209	He	100.940	ug/l	1.1				
Pb	208	209	He	100.613	ug/l	0.8	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	8299405.02	0.3	88.2	60	125	
Sc (ISICPMS)	45	No Gas	5987675.54	0.8	85.9	60	125	
Sc (ISICPMS)	45	H2	2273601.35	0.6	85.7	60	125	
Sc (ISICPMS)	45	He	88251.99	0.7	82.2	60	125	
Ge (IS)	74	H2	433359.97	0.3	85.7	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	47478.66	1.8	85.4	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	104826.02	2.0	84.0	60	125	
Tb (IS)	159	He	642677.30	0.8	86.9	60	125	
Bi (IS)	209	He	571096.98	1.3	87.1	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 089_Blk.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 14:44:01

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.008	ug/l	37.1	0.8	-0.8	0.8	
B	11	6	No Gas	5.975	ug/l	4.5	40	-40	40	
Na	23	45	He	63.001	ug/l	7.7	500	-500	500	
Mg	24	45	He	0.487	ug/l	137.6	200	-200	200	
Al	27	45	He	0.314	ug/l	500.8	40	-40	40	
K	39	45	He	3.687	ug/l	143.1	200	-200	200	
Ca	40	45	H2	5.454	ug/l	13.2	500	-500	500	
Ti	47	45	No Gas	2.363	ug/l	2.9	4	-4	4	
V	51	45	He	-0.193	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.184	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.056	ug/l	122.4	8	-8	8	
Fe	56	45	H2	3.030	ug/l	3.3	60	-60	60	
Co	59	45	He	0.027	ug/l	18.3	4	-4	4	
Ni	60	45	He	-0.126	ug/l	N/A	4	-4	4	
Cu	63	45	He	0.115	ug/l	86.0	4	-4	4	
Zn	66	45	He	0.430	ug/l	101.4	16	-16	16	
As	75	45	He	-0.176	ug/l	N/A	2	-2	2	
Se	78	45	H2	0.146	ug/l	55.8	2.5	-2.5	2.5	
Sr	88	115	He	-0.001	ug/l	N/A	4	-4	4	
Mo	95	115	He	0.188	ug/l	3.0	4	-4	4	
Ag	107	115	He	0.006	ug/l	49.2	2	-2	2	
Cd	111	115	He	0.013	ug/l	173.2	2	-2	2	
Sn	118	115	He	0.060	ug/l	267.1	16	-16	16	
Sb	121	115	He	0.064	ug/l	30.0	2	-2	2	
Ba	137	159	He	0.357	ug/l	31.1	4	-4	4	
Tl	205	209	He	-0.018	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	-0.008	ug/l	N/A				
[Pb]	207	209	He	0.000	ug/l	N/A				
Pb	208	209	He	0.001	ug/l	677.4	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	8520174.25	0.6	90.5	60	125	
Sc (ISICPMS)	45	No Gas	6097160.26	1.1	87.5	60	125	
Sc (ISICPMS)	45	H2	2277809.88	0.3	85.8	60	125	
Sc (ISICPMS)	45	He	90516.08	0.7	84.3	60	125	
Ge (IS)	74	H2	422349.52	0.5	83.5	60	125	
Ge (IS)	74	He	47345.86	0.5	85.2	60	125	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	106658.22	0.7	85.4	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	655703.30	1.0	88.7	60	125	
Bi (IS)	209	He	593125.47	0.5	90.4	60	125	

DRAFT

Sample Report

File Name 090SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 14:46:31

Sample Name **MB 460-984201/1-A**

Comment ---

Dilution **1.0000**

Vial # 2203

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.007	ug/l	66.0	2000	
B	11	6	No Gas	3.470	ug/l	0.8	2000	
Na	23	45	He	68.581	ug/l	5.7	500000	
Mg	24	45	He	0.262	ug/l	173.4	500000	
Al	27	45	He	1.226	ug/l	81.3	500000	
K	39	45	He	21.293	ug/l	16.0	500000	
Ca	40	45	H2	8.007	ug/l	3.3	1000000	
Ti	47	45	No Gas	1.639	ug/l	7.1	10000	
V	51	45	He	0.142	ug/l	130.1	5000	
Cr	52	45	He	-0.031	ug/l	N/A	20000	
Mn	55	45	He	0.079	ug/l	32.8	20000	
Fe	56	45	H2	0.747	ug/l	27.3	500000	
Co	59	45	He	0.032	ug/l	80.2	2000	
Ni	60	45	He	-0.039	ug/l	N/A	20000	
Cu	63	45	He	0.107	ug/l	63.4	20000	
Zn	66	45	He	0.738	ug/l	48.3	20000	
As	75	45	He	-0.211	ug/l	N/A	5000	
Se	78	45	H2	0.084	ug/l	36.3	3000	
Sr	88	115	He	0.011	ug/l	330.4	5000	
Mo	95	115	He	0.061	ug/l	92.6	2000	
Ag	107	115	He	0.002	ug/l	57.1	1000	
Cd	111	115	He	0.006	ug/l	173.2	5000	
Sn	118	115	He	0.298	ug/l	161.6	2000	
Sb	121	115	He	0.073	ug/l	70.2	1000	
Ba	137	159	He	0.265	ug/l	67.2	20000	
Tl	205	209	He	-0.036	ug/l	N/A	1000	
[Pb]	206	209	He	0.006	ug/l	532.3		
[Pb]	207	209	He	-0.021	ug/l	N/A		
Pb	208	209	He	0.000	ug/l	N/A	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8530846.33	0.2	90.6	60	125	
Sc (ISICPMS)	45	No Gas	6107047.13	1.5	87.6	60	125	
Sc (ISICPMS)	45	H2	2280881.37	0.6	86.0	60	125	
Sc (ISICPMS)	45	He	90268.42	1.2	84.1	60	125	
Ge (IS)	74	H2	427081.38	1.0	84.5	60	125	
Ge (IS)	74	He	46851.79	0.8	84.3	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	106655.24	1.2	85.4	60	125	
Tb (IS)	159	He	653361.78	0.7	88.4	60	125	
Bi (IS)	209	He	587937.23	0.7	89.6	60	125	

DRAFT

Sample Report

File Name 091SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 14:49:00

Sample Name **LCS 460-984201/2-A**

Comment ---

Dilution **1.0000**

Vial # 2204

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	23.472	ug/l	3.3	2000	
B	11	6	No Gas	481.304	ug/l	1.5	2000	
Na	23	45	He	2682.844	ug/l	1.9	500000	
Mg	24	45	He	2617.816	ug/l	1.1	500000	
Al	27	45	He	2544.089	ug/l	1.3	500000	
K	39	45	He	2549.670	ug/l	1.4	500000	
Ca	40	45	H2	2515.015	ug/l	1.5	1000000	
Ti	47	45	No Gas	50.146	ug/l	1.0	10000	
V	51	45	He	48.976	ug/l	0.6	5000	
Cr	52	45	He	49.511	ug/l	2.6	20000	
Mn	55	45	He	250.393	ug/l	1.2	20000	
Fe	56	45	H2	2575.790	ug/l	1.3	500000	
Co	59	45	He	25.244	ug/l	2.6	2000	
Ni	60	45	He	50.575	ug/l	2.7	20000	
Cu	63	45	He	52.365	ug/l	0.8	20000	
Zn	66	45	He	249.130	ug/l	1.0	20000	
As	75	45	He	48.239	ug/l	2.0	5000	
Se	78	45	H2	48.061	ug/l	1.2	3000	
Sr	88	115	He	47.152	ug/l	1.2	5000	
Mo	95	115	He	47.260	ug/l	1.8	2000	
Ag	107	115	He	25.030	ug/l	0.3	1000	
Cd	111	115	He	24.983	ug/l	1.1	5000	
Sn	118	115	He	49.280	ug/l	1.8	2000	
Sb	121	115	He	24.238	ug/l	1.6	1000	
Ba	137	159	He	49.682	ug/l	2.0	20000	
Tl	205	209	He	19.494	ug/l	1.8	1000	
[Pb]	206	209	He	24.895	ug/l	1.4		
[Pb]	207	209	He	24.286	ug/l	0.8		
Pb	208	209	He	24.541	ug/l	0.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8581283.62	1.0	91.2	60	125	
Sc (ISICPMS)	45	No Gas	6184273.59	1.0	88.7	60	125	
Sc (ISICPMS)	45	H2	2287777.40	1.0	86.2	60	125	
Sc (ISICPMS)	45	He	89463.63	0.9	83.3	60	125	
Ge (IS)	74	H2	425382.60	0.9	84.1	60	125	
Ge (IS)	74	He	46772.59	1.9	84.2	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	106807.22	0.5	85.5	60	125	
Tb (IS)	159	He	649183.92	0.4	87.8	60	125	
Bi (IS)	209	He	588202.63	0.9	89.7	60	125	

DRAFT

Sample Report

File Name 092SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 14:51:29

Sample Name **PDS 460-306584-E-11-A**

Comment ---

Dilution **1.0000**

Vial # 2205

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	23.783	ug/l	1.0	2000	
B	11	6	No Gas	536.571	ug/l	0.9	2000	
Na	23	45	He	136657.132	ug/l	0.7	500000	
Mg	24	45	He	3605.863	ug/l	1.1	500000	
Al	27	45	He	2582.478	ug/l	0.8	500000	
K	39	45	He	12760.616	ug/l	1.3	500000	
Ca	40	45	H2	15209.091	ug/l	2.2	1000000	
Ti	47	45	No Gas	52.078	ug/l	3.0	10000	
V	51	45	He	48.839	ug/l	0.7	5000	
Cr	52	45	He	50.083	ug/l	1.4	20000	
Mn	55	45	He	251.809	ug/l	0.6	20000	
Fe	56	45	H2	3266.538	ug/l	1.8	500000	
Co	59	45	He	24.880	ug/l	0.6	2000	
Ni	60	45	He	51.410	ug/l	1.5	20000	
Cu	63	45	He	57.166	ug/l	0.6	20000	
Zn	66	45	He	262.493	ug/l	2.4	20000	
As	75	45	He	47.363	ug/l	2.9	5000	
Se	78	45	H2	49.161	ug/l	1.1	3000	
Sr	88	115	He	175.130	ug/l	0.2	5000	
Mo	95	115	He	53.423	ug/l	1.6	2000	
Ag	107	115	He	23.904	ug/l	0.4	1000	
Cd	111	115	He	25.529	ug/l	3.6	5000	
Sn	118	115	He	50.792	ug/l	2.3	2000	
Sb	121	115	He	25.342	ug/l	0.6	1000	
Ba	137	159	He	52.887	ug/l	2.2	20000	
Tl	205	209	He	19.502	ug/l	1.2	1000	
[Pb]	206	209	He	25.030	ug/l	1.4		
[Pb]	207	209	He	24.817	ug/l	0.7		
Pb	208	209	He	24.989	ug/l	1.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8292269.67	0.7	88.1	60	125	
Sc (ISICPMS)	45	No Gas	5977336.23	0.2	85.8	60	125	
Sc (ISICPMS)	45	H2	2228881.27	1.3	84.0	60	125	
Sc (ISICPMS)	45	He	87984.59	0.7	81.9	60	125	
Ge (IS)	74	H2	429065.49	1.8	84.9	60	125	
Ge (IS)	74	He	47854.20	1.4	86.1	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	102077.97	0.5	81.8	60	125	
Tb (IS)	159	He	636371.31	1.3	86.1	60	125	
Bi (IS)	209	He	560859.52	1.2	85.5	60	125	

DRAFT

Sample Report

File Name 093SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 14:53:57

Sample Name **460-306584-E-11-C MS**

Comment ---

Dilution **1.0000**

Vial # 2206

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	23.329	ug/l	1.0	2000	
B	11	6	No Gas	524.706	ug/l	1.0	2000	
Na	23	45	He	136864.564	ug/l	0.9	500000	
Mg	24	45	He	3604.867	ug/l	1.9	500000	
Al	27	45	He	2558.356	ug/l	0.4	500000	
K	39	45	He	12646.926	ug/l	0.8	500000	
Ca	40	45	H2	14685.080	ug/l	1.4	1000000	
Ti	47	45	No Gas	50.279	ug/l	2.0	10000	
V	51	45	He	48.790	ug/l	2.0	5000	
Cr	52	45	He	48.272	ug/l	0.6	20000	
Mn	55	45	He	250.047	ug/l	1.3	20000	
Fe	56	45	H2	3081.565	ug/l	1.2	500000	
Co	59	45	He	24.216	ug/l	1.6	2000	
Ni	60	45	He	50.398	ug/l	1.9	20000	
Cu	63	45	He	56.265	ug/l	2.1	20000	
Zn	66	45	He	261.756	ug/l	1.3	20000	
As	75	45	He	49.971	ug/l	1.7	5000	
Se	78	45	H2	47.717	ug/l	2.7	3000	
Sr	88	115	He	169.376	ug/l	1.1	5000	
Mo	95	115	He	51.621	ug/l	2.2	2000	
Ag	107	115	He	24.338	ug/l	1.6	1000	
Cd	111	115	He	24.848	ug/l	2.7	5000	
Sn	118	115	He	48.947	ug/l	1.7	2000	
Sb	121	115	He	25.127	ug/l	1.5	1000	
Ba	137	159	He	52.557	ug/l	3.2	20000	
Tl	205	209	He	19.231	ug/l	1.9	1000	
[Pb]	206	209	He	25.029	ug/l	1.0		
[Pb]	207	209	He	24.023	ug/l	1.5		
Pb	208	209	He	24.701	ug/l	0.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8235695.08	0.7	87.5	60	125	
Sc (ISICPMS)	45	No Gas	5978498.18	0.7	85.8	60	125	
Sc (ISICPMS)	45	H2	2266178.89	1.4	85.4	60	125	
Sc (ISICPMS)	45	He	86875.49	0.7	80.9	60	125	
Ge (IS)	74	H2	435201.94	1.3	86.1	60	125	
Ge (IS)	74	He	47681.33	0.2	85.8	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	101872.69	0.9	81.6	60	125	
Tb (IS)	159	He	638182.23	1.8	86.3	60	125	
Bi (IS)	209	He	558338.05	1.3	85.1	60	125	

DRAFT

Sample Report

File Name 094SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 14:56:27

Sample Name **460-306584-E-11-B DU**

Comment ---

Dilution **1.0000**

Vial # 2207

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.006	ug/l	37.8	2000	
B	11	6	No Gas	49.530	ug/l	0.7	2000	
Na	23	45	He	132214.438	ug/l	0.7	500000	
Mg	24	45	He	1040.695	ug/l	0.4	500000	
Al	27	45	He	64.795	ug/l	2.8	500000	
K	39	45	He	10028.509	ug/l	0.6	500000	
Ca	40	45	H2	12188.390	ug/l	1.6	1000000	
Ti	47	45	No Gas	2.570	ug/l	6.9	10000	
V	51	45	He	0.444	ug/l	10.1	5000	
Cr	52	45	He	0.474	ug/l	15.3	20000	
Mn	55	45	He	8.497	ug/l	3.3	20000	
Fe	56	45	H2	690.940	ug/l	1.9	500000	
Co	59	45	He	0.121	ug/l	4.4	2000	
Ni	60	45	He	2.674	ug/l	9.0	20000	
Cu	63	45	He	7.183	ug/l	2.7	20000	
Zn	66	45	He	16.690	ug/l	5.9	20000	
As	75	45	He	0.609	ug/l	24.9	5000	
Se	78	45	H2	0.358	ug/l	43.8	3000	
Sr	88	115	He	121.048	ug/l	2.0	5000	
Mo	95	115	He	4.056	ug/l	4.3	2000	
Ag	107	115	He	0.088	ug/l	7.3	1000	
Cd	111	115	He	0.020	ug/l	0.3	5000	
Sn	118	115	He	0.299	ug/l	46.6	2000	
Sb	121	115	He	0.255	ug/l	28.6	1000	
Ba	137	159	He	5.523	ug/l	9.9	20000	
Tl	205	209	He	-0.026	ug/l	N/A	1000	
[Pb]	206	209	He	0.159	ug/l	12.1		
[Pb]	207	209	He	0.122	ug/l	16.0		
Pb	208	209	He	0.151	ug/l	2.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8208120.23	0.8	87.2	60	125	
Sc (ISICPMS)	45	No Gas	5988467.62	0.9	85.9	60	125	
Sc (ISICPMS)	45	H2	2237287.73	1.2	84.3	60	125	
Sc (ISICPMS)	45	He	86516.48	1.0	80.6	60	125	
Ge (IS)	74	H2	430842.38	0.9	85.2	60	125	
Ge (IS)	74	He	47151.77	0.7	84.9	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	102285.80	0.3	81.9	60	125	
Tb (IS)	159	He	636727.15	0.4	86.1	60	125	
Bi (IS)	209	He	563784.65	0.6	85.9	60	125	

DRAFT

Sample Report

File Name 095SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 14:58:56

Sample Name **460-306584-E-11-A**

Comment ---

Dilution **1.0000**

Vial # 2208

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.006	ug/l	12.9	2000	
B	11	6	No Gas	45.455	ug/l	1.5	2000	
Na	23	45	He	134451.040	ug/l	0.3	500000	
Mg	24	45	He	1058.881	ug/l	0.3	500000	
Al	27	45	He	67.087	ug/l	5.0	500000	
K	39	45	He	10308.796	ug/l	0.9	500000	
Ca	40	45	H2	12546.604	ug/l	0.9	1000000	
Ti	47	45	No Gas	2.960	ug/l	9.8	10000	
V	51	45	He	0.556	ug/l	25.5	5000	
Cr	52	45	He	0.880	ug/l	11.8	20000	
Mn	55	45	He	8.708	ug/l	3.9	20000	
Fe	56	45	H2	759.591	ug/l	1.1	500000	
Co	59	45	He	0.125	ug/l	9.9	2000	
Ni	60	45	He	1.776	ug/l	21.4	20000	
Cu	63	45	He	6.565	ug/l	2.7	20000	
Zn	66	45	He	15.506	ug/l	2.1	20000	
As	75	45	He	0.256	ug/l	52.9	5000	
Se	78	45	H2	0.384	ug/l	18.4	3000	
Sr	88	115	He	125.610	ug/l	0.7	5000	
Mo	95	115	He	3.797	ug/l	7.1	2000	
Ag	107	115	He	0.071	ug/l	19.2	1000	
Cd	111	115	He	0.027	ug/l	114.4	5000	
Sn	118	115	He	0.553	ug/l	34.2	2000	
Sb	121	115	He	0.329	ug/l	20.6	1000	
Ba	137	159	He	5.827	ug/l	15.0	20000	
Tl	205	209	He	-0.033	ug/l	N/A	1000	
[Pb]	206	209	He	0.145	ug/l	12.5		
[Pb]	207	209	He	0.114	ug/l	14.6		
Pb	208	209	He	0.140	ug/l	9.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8190263.28	1.1	87.0	60	125	
Sc (ISICPMS)	45	No Gas	5930144.70	0.5	85.1	60	125	
Sc (ISICPMS)	45	H2	2223858.91	1.2	83.8	60	125	
Sc (ISICPMS)	45	He	88186.71	0.5	82.1	60	125	
Ge (IS)	74	H2	428230.47	1.2	84.7	60	125	
Ge (IS)	74	He	47879.89	0.9	86.2	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	101056.21	0.6	80.9	60	125	
Tb (IS)	159	He	636134.37	0.7	86.0	60	125	
Bi (IS)	209	He	564925.78	0.9	86.1	60	125	

DRAFT

Sample Report

File Name 096SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 15:01:25

Sample Name **SD 460-306584-E-11-A@5**

Comment ---

Dilution **1.0000**

Vial # 2209

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.003	ug/l	176.7	2000	
B	11	6	No Gas	12.776	ug/l	1.8	2000	
Na	23	45	He	26203.693	ug/l	1.1	500000	
Mg	24	45	He	202.553	ug/l	1.2	500000	
Al	27	45	He	14.490	ug/l	7.8	500000	
K	39	45	He	2007.259	ug/l	1.8	500000	
Ca	40	45	H2	2441.091	ug/l	0.1	1000000	
Ti	47	45	No Gas	0.781	ug/l	39.1	10000	
V	51	45	He	-0.017	ug/l	N/A	5000	
Cr	52	45	He	0.003	ug/l	6477.7	20000	
Mn	55	45	He	1.791	ug/l	0.9	20000	
Fe	56	45	H2	147.888	ug/l	1.0	500000	
Co	59	45	He	0.025	ug/l	23.8	2000	
Ni	60	45	He	0.390	ug/l	60.4	20000	
Cu	63	45	He	1.285	ug/l	4.2	20000	
Zn	66	45	He	3.483	ug/l	6.1	20000	
As	75	45	He	-0.002	ug/l	N/A	5000	
Se	78	45	H2	0.044	ug/l	146.5	3000	
Sr	88	115	He	23.871	ug/l	1.1	5000	
Mo	95	115	He	0.713	ug/l	6.2	2000	
Ag	107	115	He	0.014	ug/l	29.1	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	0.142	ug/l	95.5	2000	
Sb	121	115	He	0.089	ug/l	57.2	1000	
Ba	137	159	He	0.991	ug/l	14.5	20000	
Tl	205	209	He	-0.036	ug/l	N/A	1000	
[Pb]	206	209	He	0.007	ug/l	211.1		
[Pb]	207	209	He	-0.013	ug/l	N/A		
Pb	208	209	He	0.012	ug/l	50.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8219269.88	0.8	87.3	60	125	
Sc (ISICPMS)	45	No Gas	5982185.67	0.2	85.8	60	125	
Sc (ISICPMS)	45	H2	2254514.77	0.6	85.0	60	125	
Sc (ISICPMS)	45	He	88228.14	0.4	82.2	60	125	
Ge (IS)	74	H2	431699.89	0.6	85.4	60	125	
Ge (IS)	74	He	46818.52	0.4	84.3	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	103814.37	0.3	83.1	60	125	
Tb (IS)	159	He	640557.52	1.2	86.6	60	125	
Bi (IS)	209	He	575605.31	1.2	87.7	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 097_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 15:03:53

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	98.304	ug/l	0.4	100	90	110	
B	11	6	No Gas	253.979	ug/l	1.3	250	225	275	
Na	23	45	He	25953.543	ug/l	0.7	25000	22500	27500	
Mg	24	45	He	25875.719	ug/l	1.3	25000	22500	27500	
Al	27	45	He	25188.384	ug/l	0.8	25000	22500	27500	
K	39	45	He	25058.929	ug/l	0.5	25000	22500	27500	
Ca	40	45	H2	24354.817	ug/l	1.0	25000	22500	27500	
Ti	47	45	No Gas	101.108	ug/l	2.6	100	90	110	
V	51	45	He	99.218	ug/l	0.8	100	90	110	
Cr	52	45	He	100.405	ug/l	0.4	100	90	110	
Mn	55	45	He	100.422	ug/l	0.6	100	90	110	
Fe	56	45	H2	24841.173	ug/l	1.1	25000	22500	27500	
Co	59	45	He	101.089	ug/l	0.2	100	90	110	
Ni	60	45	He	99.857	ug/l	1.0	100	90	110	
Cu	63	45	He	101.095	ug/l	0.9	100	90	110	
Zn	66	45	He	253.194	ug/l	0.5	250	225	275	
As	75	45	He	97.734	ug/l	3.0	100	90	110	
Se	78	45	H2	98.879	ug/l	1.2	100	90	110	
Sr	88	115	He	97.098	ug/l	0.4	100	90	110	
Mo	95	115	He	100.591	ug/l	1.4	100	90	110	
Ag	107	115	He	50.238	ug/l	0.9	50	45	55	
Cd	111	115	He	102.837	ug/l	1.6	100	90	110	
Sn	118	115	He	101.420	ug/l	2.2	100	90	110	
Sb	121	115	He	100.745	ug/l	0.9	100	90	110	
Ba	137	159	He	96.972	ug/l	3.2	100	90	110	
Tl	205	209	He	100.508	ug/l	0.6	100	90	110	
[Pb]	206	209	He	100.589	ug/l	1.1				
[Pb]	207	209	He	100.883	ug/l	0.8				
Pb	208	209	He	100.835	ug/l	0.3	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	8176571.75	1.0	86.9	60	125	
Sc (ISICPMS)	45	No Gas	5912048.73	0.2	84.8	60	125	
Sc (ISICPMS)	45	H2	2255663.47	1.1	85.0	60	125	
Sc (ISICPMS)	45	He	88046.29	0.5	82.0	60	125	
Ge (IS)	74	H2	426521.06	0.9	84.4	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	46624.42	1.0	83.9	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	102943.51	0.7	82.4	60	125	
Tb (IS)	159	He	635604.78	0.8	86.0	60	125	
Bi (IS)	209	He	562107.70	0.6	85.7	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 098_Blk.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 15:06:23

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.009	ug/l	57.6	0.8	-0.8	0.8	
B	11	6	No Gas	6.391	ug/l	3.0	40	-40	40	
Na	23	45	He	70.874	ug/l	4.0	500	-500	500	
Mg	24	45	He	0.079	ug/l	754.3	200	-200	200	
Al	27	45	He	-0.925	ug/l	N/A	40	-40	40	
K	39	45	He	29.558	ug/l	6.7	200	-200	200	
Ca	40	45	H2	4.404	ug/l	10.5	500	-500	500	
Ti	47	45	No Gas	1.863	ug/l	19.4	4	-4	4	
V	51	45	He	-0.175	ug/l	N/A	4	-4	4	
Cr	52	45	He	0.001	ug/l	10509.2	4	-4	4	
Mn	55	45	He	0.066	ug/l	85.2	8	-8	8	
Fe	56	45	H2	2.062	ug/l	21.6	60	-60	60	
Co	59	45	He	0.017	ug/l	64.1	4	-4	4	
Ni	60	45	He	-0.027	ug/l	N/A	4	-4	4	
Cu	63	45	He	0.089	ug/l	6.1	4	-4	4	
Zn	66	45	He	0.095	ug/l	331.8	16	-16	16	
As	75	45	He	-0.097	ug/l	N/A	2	-2	2	
Se	78	45	H2	0.306	ug/l	26.6	2.5	-2.5	2.5	
Sr	88	115	He	0.013	ug/l	146.8	4	-4	4	
Mo	95	115	He	0.180	ug/l	23.2	4	-4	4	
Ag	107	115	He	0.004	ug/l	56.4	2	-2	2	
Cd	111	115	He	0.000	ug/l	N/A	2	-2	2	
Sn	118	115	He	-0.035	ug/l	N/A	16	-16	16	
Sb	121	115	He	0.049	ug/l	49.8	2	-2	2	
Ba	137	159	He	0.197	ug/l	25.4	4	-4	4	
Tl	205	209	He	-0.018	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	-0.020	ug/l	N/A				
[Pb]	207	209	He	-0.034	ug/l	N/A				
Pb	208	209	He	-0.008	ug/l	N/A	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	8432456.89	0.3	89.6	60	125	
Sc (ISICPMS)	45	No Gas	5952876.16	0.5	85.4	60	125	
Sc (ISICPMS)	45	H2	2244923.70	0.8	84.6	60	125	
Sc (ISICPMS)	45	He	88924.36	0.9	82.8	60	125	
Ge (IS)	74	H2	418314.30	0.8	82.7	60	125	
Ge (IS)	74	He	45713.47	0.6	82.3	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	103947.33	0.3	83.3	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	638988.28	0.3	86.4	60	125	
Bi (IS)	209	He	585289.62	1.2	89.2	60	125	

DRAFT

Sample Report

File Name 099SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 15:08:52

Sample Name **460-306917-A-4-C MS@5**

Comment ---

Dilution **1.0000**

Vial # 3101

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.010	ug/l	28.8	2000	
B	11	6	No Gas	39.595	ug/l	1.4	2000	
Na	23	45	He	377299.804	ug/l	1.8	500000	
Mg	24	45	He	6616.440	ug/l	1.8	500000	
Al	27	45	He	2.926	ug/l	50.0	500000	
K	39	45	He	1484.811	ug/l	3.6	500000	
Ca	40	45	H2	33102.225	ug/l	1.1	1000000	
Ti	47	45	No Gas	1.511	ug/l	20.0	10000	
V	51	45	He	-0.191	ug/l	N/A	5000	
Cr	52	45	He	-0.090	ug/l	N/A	20000	
Mn	55	45	He	367.872	ug/l	2.0	20000	
Fe	56	45	H2	26.878	ug/l	0.5	500000	
Co	59	45	He	1.774	ug/l	4.6	2000	
Ni	60	45	He	0.566	ug/l	32.5	20000	
Cu	63	45	He	0.153	ug/l	30.2	20000	
Zn	66	45	He	0.883	ug/l	63.1	20000	
As	75	45	He	-0.075	ug/l	N/A	5000	
Se	78	45	H2	0.076	ug/l	63.2	3000	
Sr	88	115	He	145.221	ug/l	1.7	5000	
Mo	95	115	He	0.169	ug/l	14.5	2000	
Ag	107	115	He	-0.002	ug/l	N/A	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	-0.039	ug/l	N/A	2000	
Sb	121	115	He	0.027	ug/l	69.2	1000	
Ba	137	159	He	139.475	ug/l	2.6	20000	
Tl	205	209	He	-0.030	ug/l	N/A	1000	
[Pb]	206	209	He	0.005	ug/l	525.3		
[Pb]	207	209	He	-0.040	ug/l	N/A		
Pb	208	209	He	-0.014	ug/l	N/A	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8171314.25	0.5	86.8	60	125	
Sc (ISICPMS)	45	No Gas	5900588.04	0.1	84.7	60	125	
Sc (ISICPMS)	45	H2	2236347.69	0.2	84.3	60	125	
Sc (ISICPMS)	45	He	88337.86	2.1	82.3	60	125	
Ge (IS)	74	H2	422588.15	0.6	83.6	60	125	
Ge (IS)	74	He	46996.76	0.9	84.6	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	101778.19	1.2	81.5	60	125	
Tb (IS)	159	He	639598.80	0.6	86.5	60	125	
Bi (IS)	209	He	550551.59	0.7	83.9	60	125	

DRAFT

Sample Report

File Name 100SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 15:11:23

Sample Name **460-306917-A-4-B DU@5**

Comment ---

Dilution **1.0000**

Vial # 3102

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.008	ug/l	39.2	2000	
B	11	6	No Gas	39.555	ug/l	1.4	2000	
Na	23	45	He	380042.990	ug/l	0.4	500000	
Mg	24	45	He	6733.553	ug/l	1.1	500000	
Al	27	45	He	1.445	ug/l	65.8	500000	
K	39	45	He	1489.143	ug/l	1.2	500000	
Ca	40	45	H2	34443.567	ug/l	1.1	1000000	
Ti	47	45	No Gas	1.216	ug/l	7.4	10000	
V	51	45	He	-0.137	ug/l	N/A	5000	
Cr	52	45	He	0.074	ug/l	207.0	20000	
Mn	55	45	He	370.509	ug/l	1.2	20000	
Fe	56	45	H2	28.919	ug/l	2.6	500000	
Co	59	45	He	1.784	ug/l	2.3	2000	
Ni	60	45	He	0.415	ug/l	10.4	20000	
Cu	63	45	He	0.117	ug/l	24.8	20000	
Zn	66	45	He	0.591	ug/l	12.6	20000	
As	75	45	He	0.012	ug/l	989.3	5000	
Se	78	45	H2	0.130	ug/l	124.8	3000	
Sr	88	115	He	149.099	ug/l	0.8	5000	
Mo	95	115	He	0.175	ug/l	42.2	2000	
Ag	107	115	He	0.002	ug/l	207.0	1000	
Cd	111	115	He	0.007	ug/l	173.2	5000	
Sn	118	115	He	-0.065	ug/l	N/A	2000	
Sb	121	115	He	0.102	ug/l	41.8	1000	
Ba	137	159	He	142.342	ug/l	2.0	20000	
Tl	205	209	He	-0.035	ug/l	N/A	1000	
[Pb]	206	209	He	-0.011	ug/l	N/A		
[Pb]	207	209	He	-0.028	ug/l	N/A		
Pb	208	209	He	-0.008	ug/l	N/A	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8215191.48	0.6	87.3	60	125	
Sc (ISICPMS)	45	No Gas	5946159.15	1.4	85.3	60	125	
Sc (ISICPMS)	45	H2	2223834.01	0.3	83.8	60	125	
Sc (ISICPMS)	45	He	89172.61	0.7	83.0	60	125	
Ge (IS)	74	H2	422492.64	0.4	83.6	60	125	
Ge (IS)	74	He	47595.68	0.9	85.7	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	101705.16	1.4	81.5	60	125	
Tb (IS)	159	He	638756.39	0.5	86.4	60	125	
Bi (IS)	209	He	551370.37	1.1	84.0	60	125	

DRAFT

Sample Report

File Name 101SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 15:13:52

Sample Name **460-306917-A-4-A@5**

Comment ---

Dilution **1.0000**

Vial # 3103

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.007	ug/l	108.6	2000	
B	11	6	No Gas	32.541	ug/l	1.6	2000	
Na	23	45	He	308100.842	ug/l	0.9	500000	
Mg	24	45	He	5449.442	ug/l	0.9	500000	
Al	27	45	He	0.885	ug/l	116.5	500000	
K	39	45	He	1206.187	ug/l	1.4	500000	
Ca	40	45	H2	27609.342	ug/l	1.4	1000000	
Ti	47	45	No Gas	0.992	ug/l	12.3	10000	
V	51	45	He	-0.068	ug/l	N/A	5000	
Cr	52	45	He	-0.039	ug/l	N/A	20000	
Mn	55	45	He	298.938	ug/l	0.8	20000	
Fe	56	45	H2	22.917	ug/l	2.1	500000	
Co	59	45	He	1.493	ug/l	3.3	2000	
Ni	60	45	He	0.255	ug/l	127.3	20000	
Cu	63	45	He	0.143	ug/l	14.9	20000	
Zn	66	45	He	0.886	ug/l	18.9	20000	
As	75	45	He	-0.132	ug/l	N/A	5000	
Se	78	45	H2	0.120	ug/l	91.8	3000	
Sr	88	115	He	121.536	ug/l	2.1	5000	
Mo	95	115	He	0.193	ug/l	34.4	2000	
Ag	107	115	He	0.002	ug/l	97.9	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	0.092	ug/l	251.2	2000	
Sb	121	115	He	0.088	ug/l	34.9	1000	
Ba	137	159	He	116.329	ug/l	1.5	20000	
Tl	205	209	He	-0.036	ug/l	N/A	1000	
[Pb]	206	209	He	-0.019	ug/l	N/A		
[Pb]	207	209	He	-0.035	ug/l	N/A		
Pb	208	209	He	-0.009	ug/l	N/A	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8286395.15	0.8	88.0	60	125	
Sc (ISICPMS)	45	No Gas	5932103.59	1.0	85.1	60	125	
Sc (ISICPMS)	45	H2	2222674.60	0.2	83.8	60	125	
Sc (ISICPMS)	45	He	88698.00	0.3	82.6	60	125	
Ge (IS)	74	H2	422353.85	0.2	83.5	60	125	
Ge (IS)	74	He	47283.22	0.8	85.1	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	102403.70	1.8	82.0	60	125	
Tb (IS)	159	He	640476.92	0.9	86.6	60	125	
Bi (IS)	209	He	557436.28	1.5	85.0	60	125	

DRAFT

Sample Report

File Name 102SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 15:16:22

Sample Name **SD 460-306917-A-4-A@25**

Comment ---

Dilution **1.0000**

Vial # 3104

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.004	ug/l	56.5	2000	
B	11	6	No Gas	8.517	ug/l	2.6	2000	
Na	23	45	He	66862.824	ug/l	0.3	500000	
Mg	24	45	He	1162.653	ug/l	0.5	500000	
Al	27	45	He	0.972	ug/l	84.4	500000	
K	39	45	He	280.913	ug/l	5.2	500000	
Ca	40	45	H2	5804.340	ug/l	0.7	1000000	
Ti	47	45	No Gas	1.007	ug/l	46.7	10000	
V	51	45	He	-0.092	ug/l	N/A	5000	
Cr	52	45	He	0.043	ug/l	186.3	20000	
Mn	55	45	He	63.752	ug/l	0.3	20000	
Fe	56	45	H2	5.136	ug/l	8.4	500000	
Co	59	45	He	0.310	ug/l	3.7	2000	
Ni	60	45	He	0.206	ug/l	96.2	20000	
Cu	63	45	He	0.046	ug/l	130.0	20000	
Zn	66	45	He	0.681	ug/l	55.4	20000	
As	75	45	He	-0.076	ug/l	N/A	5000	
Se	78	45	H2	0.035	ug/l	292.8	3000	
Sr	88	115	He	25.707	ug/l	0.8	5000	
Mo	95	115	He	0.091	ug/l	73.5	2000	
Ag	107	115	He	-0.001	ug/l	N/A	1000	
Cd	111	115	He	0.006	ug/l	173.2	5000	
Sn	118	115	He	0.040	ug/l	520.1	2000	
Sb	121	115	He	0.086	ug/l	76.0	1000	
Ba	137	159	He	23.969	ug/l	4.4	20000	
Tl	205	209	He	-0.036	ug/l	N/A	1000	
[Pb]	206	209	He	0.000	ug/l	741.0		
[Pb]	207	209	He	-0.044	ug/l	N/A		
Pb	208	209	He	-0.012	ug/l	N/A	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8436858.42	1.3	89.6	60	125	
Sc (ISICPMS)	45	No Gas	6027198.04	1.2	86.5	60	125	
Sc (ISICPMS)	45	H2	2232558.94	0.2	84.1	60	125	
Sc (ISICPMS)	45	He	88460.07	0.6	82.4	60	125	
Ge (IS)	74	H2	419096.95	0.6	82.9	60	125	
Ge (IS)	74	He	46707.00	0.9	84.1	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	103907.25	1.2	83.2	60	125	
Tb (IS)	159	He	642557.71	0.8	86.9	60	125	
Bi (IS)	209	He	571451.70	0.8	87.1	60	125	

DRAFT

Sample Report

File Name 103SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 15:18:52

Sample Name **460-306962-I-5-B**

Comment ---

Dilution **1.0000**

Vial # 3105

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.105	ug/l	18.6	2000	
B	11	6	No Gas	492.649	ug/l	1.1	2000	
Na	23	45	He	16227.512	ug/l	0.2	500000	
Mg	24	45	He	5520.368	ug/l	0.6	500000	
Al	27	45	He	1815.434	ug/l	0.2	500000	
K	39	45	He	6643.337	ug/l	0.3	500000	
Ca	40	45	H2	44763.639	ug/l	1.4	1000000	
Ti	47	45	No Gas	94.796	ug/l	0.9	10000	
V	51	45	He	15.968	ug/l	2.3	5000	
Cr	52	45	He	14.597	ug/l	1.4	20000	
Mn	55	45	He	414.408	ug/l	1.1	20000	
Fe	56	45	H2	15390.884	ug/l	2.2	500000	
Co	59	45	He	2.599	ug/l	5.6	2000	
Ni	60	45	He	9.612	ug/l	7.4	20000	
Cu	63	45	He	33.035	ug/l	2.0	20000	
Zn	66	45	He	406.901	ug/l	1.3	20000	
As	75	45	He	140.549	ug/l	2.3	5000	
Se	78	45	H2	0.264	ug/l	27.5	3000	
Sr	88	115	He	416.954	ug/l	1.6	5000	
Mo	95	115	He	5.450	ug/l	5.0	2000	
Ag	107	115	He	0.510	ug/l	8.6	1000	
Cd	111	115	He	1.328	ug/l	20.8	5000	
Sn	118	115	He	1.389	ug/l	15.4	2000	
Sb	121	115	He	1.186	ug/l	18.6	1000	
Ba	137	159	He	108.216	ug/l	3.5	20000	
Tl	205	209	He	-0.025	ug/l	N/A	1000	
[Pb]	206	209	He	24.120	ug/l	0.9		
[Pb]	207	209	He	23.403	ug/l	2.4		
Pb	208	209	He	23.638	ug/l	0.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8193987.38	0.9	87.0	60	125	
Sc (ISICPMS)	45	No Gas	5955995.47	0.5	85.5	60	125	
Sc (ISICPMS)	45	H2	2244664.84	1.5	84.6	60	125	
Sc (ISICPMS)	45	He	86041.01	0.5	80.1	60	125	
Ge (IS)	74	H2	437245.96	0.5	86.5	60	125	
Ge (IS)	74	He	48115.44	0.9	86.6	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	100838.92	0.4	80.8	60	125	
Tb (IS)	159	He	631628.00	0.7	85.4	60	125	
Bi (IS)	209	He	566427.78	0.7	86.3	60	125	

DRAFT

Sample Report

File Name 104SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 15:21:23

Sample Name **460-306963-E-2-C@5**

Comment ---

Dilution **1.0000**

Vial # 3106

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	2.490	ug/l	3.5	2000	
B	11	6	No Gas	48.159	ug/l	0.6	2000	
Na	23	45	He	5196.263	ug/l	1.1	500000	
Mg	24	45	He	28926.139	ug/l	0.3	500000	
Al	27	45	He	40069.476	ug/l	1.7	500000	
K	39	45	He	9684.806	ug/l	0.3	500000	
Ca	40	45	H2	43352.360	ug/l	0.9	1000000	
Ti	47	45	No Gas	2205.775	ug/l	1.6	10000	
V	51	45	He	113.771	ug/l	0.9	5000	
Cr	52	45	He	185.004	ug/l	0.8	20000	
Mn	55	45	He	2082.048	ug/l	0.9	20000	
Fe	56	45	H2	74129.870	ug/l	0.7	500000	
Co	59	45	He	38.505	ug/l	2.0	2000	
Ni	60	45	He	146.250	ug/l	1.4	20000	
Cu	63	45	He	163.506	ug/l	0.8	20000	
Zn	66	45	He	340.998	ug/l	1.2	20000	
As	75	45	He	16.099	ug/l	6.7	5000	
Se	78	45	H2	0.601	ug/l	40.4	3000	
Sr	88	115	He	171.657	ug/l	1.8	5000	
Mo	95	115	He	17.079	ug/l	0.7	2000	
Ag	107	115	He	0.167	ug/l	8.6	1000	
Cd	111	115	He	0.584	ug/l	25.9	5000	
Sn	118	115	He	5.898	ug/l	1.7	2000	
Sb	121	115	He	0.464	ug/l	12.4	1000	
Ba	137	159	He	353.325	ug/l	0.3	20000	
Tl	205	209	He	-0.001	ug/l	N/A	1000	
[Pb]	206	209	He	175.414	ug/l	1.3		
[Pb]	207	209	He	172.082	ug/l	0.4		
Pb	208	209	He	172.918	ug/l	1.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8135901.82	1.5	86.4	60	125	
Sc (ISICPMS)	45	No Gas	6045211.79	0.7	86.7	60	125	
Sc (ISICPMS)	45	H2	2273110.26	0.6	85.7	60	125	
Sc (ISICPMS)	45	He	88355.89	0.4	82.3	60	125	
Ge (IS)	74	H2	426116.61	0.5	84.3	60	125	
Ge (IS)	74	He	47153.06	0.4	84.9	60	125	
Kr	83	He	20.02	86.6	600.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	100703.24	0.6	80.7	60	125	
Tb (IS)	159	He	638545.32	1.3	86.4	60	125	
Bi (IS)	209	He	557667.54	0.8	85.0	60	125	

DRAFT

Sample Report

File Name 105SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 15:23:53

Sample Name **460-306963-E-3-C@2**

Comment ---

Dilution **1.0000**

Vial # 3107

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.097	ug/l	8.2	2000	
B	11	6	No Gas	89.280	ug/l	0.7	2000	
Na	23	45	He	4906.100	ug/l	1.1	500000	
Mg	24	45	He	20946.476	ug/l	0.7	500000	
Al	27	45	He	1610.062	ug/l	0.1	500000	
K	39	45	He	7364.333	ug/l	0.5	500000	
Ca	40	45	H2	60291.990	ug/l	1.0	1000000	
Ti	47	45	No Gas	67.764	ug/l	0.5	10000	
V	51	45	He	4.041	ug/l	4.7	5000	
Cr	52	45	He	3.370	ug/l	6.4	20000	
Mn	55	45	He	5267.903	ug/l	0.7	20000	
Fe	56	45	H2	25465.728	ug/l	0.5	500000	
Co	59	45	He	3.341	ug/l	3.1	2000	
Ni	60	45	He	8.917	ug/l	6.0	20000	
Cu	63	45	He	35.951	ug/l	0.9	20000	
Zn	66	45	He	72.376	ug/l	0.7	20000	
As	75	45	He	12.046	ug/l	7.6	5000	
Se	78	45	H2	0.109	ug/l	43.5	3000	
Sr	88	115	He	245.985	ug/l	2.1	5000	
Mo	95	115	He	2.432	ug/l	5.2	2000	
Ag	107	115	He	0.027	ug/l	40.2	1000	
Cd	111	115	He	0.067	ug/l	69.9	5000	
Sn	118	115	He	0.481	ug/l	66.7	2000	
Sb	121	115	He	0.518	ug/l	7.4	1000	
Ba	137	159	He	145.552	ug/l	0.7	20000	
Tl	205	209	He	-0.033	ug/l	N/A	1000	
[Pb]	206	209	He	22.190	ug/l	0.8		
[Pb]	207	209	He	21.800	ug/l	0.7		
Pb	208	209	He	21.938	ug/l	0.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8119298.14	0.6	86.2	60	125	
Sc (ISICPMS)	45	No Gas	5904987.13	0.3	84.7	60	125	
Sc (ISICPMS)	45	H2	2222803.46	0.7	83.8	60	125	
Sc (ISICPMS)	45	He	86182.65	1.0	80.3	60	125	
Ge (IS)	74	H2	426898.87	0.8	84.4	60	125	
Ge (IS)	74	He	47194.15	0.1	84.9	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	101847.20	0.6	81.6	60	125	
Tb (IS)	159	He	632320.18	1.6	85.5	60	125	
Bi (IS)	209	He	560167.03	1.1	85.4	60	125	

DRAFT

Sample Report

File Name 106SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 15:26:23

Sample Name **460-306510-E-1-B@2**

Comment ---

Dilution **1.0000**

Vial # 3108

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.014	ug/l	34.2	2000	
B	11	6	No Gas	25.986	ug/l	2.0	2000	
Na	23	45	He	328810.779	ug/l	0.5	500000	
Mg	24	45	He	40687.222	ug/l	0.6	500000	
Al	27	45	He	737.777	ug/l	1.0	500000	
K	39	45	He	1744.213	ug/l	2.9	500000	
Ca	40	45	H2	28808.137	ug/l	0.6	1000000	
Ti	47	45	No Gas	15.454	ug/l	10.7	10000	
V	51	45	He	2.287	ug/l	3.6	5000	
Cr	52	45	He	26.514	ug/l	1.7	20000	
Mn	55	45	He	43.556	ug/l	0.2	20000	
Fe	56	45	H2	510.195	ug/l	0.5	500000	
Co	59	45	He	0.361	ug/l	11.1	2000	
Ni	60	45	He	16.191	ug/l	2.0	20000	
Cu	63	45	He	8.549	ug/l	2.5	20000	
Zn	66	45	He	24.234	ug/l	5.5	20000	
As	75	45	He	0.274	ug/l	67.3	5000	
Se	78	45	H2	0.884	ug/l	21.1	3000	
Sr	88	115	He	112.342	ug/l	1.0	5000	
Mo	95	115	He	0.381	ug/l	11.8	2000	
Ag	107	115	He	0.053	ug/l	9.9	1000	
Cd	111	115	He	0.007	ug/l	173.2	5000	
Sn	118	115	He	0.971	ug/l	22.7	2000	
Sb	121	115	He	0.134	ug/l	31.6	1000	
Ba	137	159	He	12.259	ug/l	5.6	20000	
Tl	205	209	He	-0.029	ug/l	N/A	1000	
[Pb]	206	209	He	3.223	ug/l	4.2		
[Pb]	207	209	He	3.078	ug/l	2.3		
Pb	208	209	He	3.087	ug/l	1.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8112477.94	0.5	86.2	60	125	
Sc (ISICPMS)	45	No Gas	5831045.12	0.6	83.7	60	125	
Sc (ISICPMS)	45	H2	2185209.03	1.1	82.4	60	125	
Sc (ISICPMS)	45	He	86297.52	0.4	80.4	60	125	
Ge (IS)	74	H2	416764.48	0.9	82.4	60	125	
Ge (IS)	74	He	46698.01	0.7	84.0	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	100325.96	1.4	80.4	60	125	
Tb (IS)	159	He	629801.62	0.8	85.2	60	125	
Bi (IS)	209	He	544333.21	0.9	83.0	60	125	

DRAFT

Sample Report

File Name 107SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 15:28:53

Sample Name **460-306510-E-2-B@40**

Comment ---

Dilution **1.0000**

Vial # 3109

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.001	ug/l	158.0	2000	
B	11	6	No Gas	4.424	ug/l	7.2	2000	
Na	23	45	He	483774.795	ug/l	1.2	500000	>LDR 200.8
Mg	24	45	He	339.689	ug/l	0.9	500000	
Al	27	45	He	362.630	ug/l	3.3	500000	
K	39	45	He	589.880	ug/l	1.4	500000	
Ca	40	45	H2	686.003	ug/l	0.5	1000000	
Ti	47	45	No Gas	1.957	ug/l	10.1	10000	
V	51	45	He	4.874	ug/l	4.6	5000	
Cr	52	45	He	23.152	ug/l	2.3	20000	
Mn	55	45	He	58.008	ug/l	0.9	20000	
Fe	56	45	H2	25.270	ug/l	16.6	500000	
Co	59	45	He	0.029	ug/l	13.5	2000	
Ni	60	45	He	0.513	ug/l	7.3	20000	
Cu	63	45	He	0.441	ug/l	22.2	20000	
Zn	66	45	He	1.078	ug/l	37.6	20000	
As	75	45	He	0.786	ug/l	19.0	5000	
Se	78	45	H2	0.103	ug/l	48.2	3000	
Sr	88	115	He	1.324	ug/l	8.4	5000	
Mo	95	115	He	0.437	ug/l	8.0	2000	
Ag	107	115	He	0.003	ug/l	168.8	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	-0.064	ug/l	N/A	2000	
Sb	121	115	He	0.037	ug/l	209.1	1000	
Ba	137	159	He	1.095	ug/l	20.2	20000	
Tl	205	209	He	-0.040	ug/l	N/A	1000	
[Pb]	206	209	He	0.323	ug/l	5.8		
[Pb]	207	209	He	0.281	ug/l	5.0		
Pb	208	209	He	0.322	ug/l	0.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8053605.37	0.4	85.5	60	125	
Sc (ISICPMS)	45	No Gas	5846816.30	0.2	83.9	60	125	
Sc (ISICPMS)	45	H2	2168626.27	0.3	81.7	60	125	
Sc (ISICPMS)	45	He	86087.30	0.5	80.2	60	125	
Ge (IS)	74	H2	408053.71	0.8	80.7	60	125	
Ge (IS)	74	He	45613.21	1.2	82.1	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	98989.34	0.7	79.3	60	125	
Tb (IS)	159	He	624744.92	0.3	84.5	60	125	
Bi (IS)	209	He	545869.73	0.7	83.2	60	125	

DRAFT

Sample Report

File Name 108SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 15:31:23

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.001	ug/l	404.0	2000	
B	11	6	No Gas	2.210	ug/l	6.2	2000	
Na	23	45	He	170.297	ug/l	5.3	500000	
Mg	24	45	He	0.827	ug/l	35.1	500000	
Al	27	45	He	2.059	ug/l	103.3	500000	
K	39	45	He	10.597	ug/l	95.5	500000	
Ca	40	45	H2	8.056	ug/l	2.0	1000000	
Ti	47	45	No Gas	1.490	ug/l	13.6	10000	
V	51	45	He	-0.162	ug/l	N/A	5000	
Cr	52	45	He	-0.173	ug/l	N/A	20000	
Mn	55	45	He	0.315	ug/l	38.5	20000	
Fe	56	45	H2	0.930	ug/l	33.1	500000	
Co	59	45	He	0.011	ug/l	35.3	2000	
Ni	60	45	He	-0.060	ug/l	N/A	20000	
Cu	63	45	He	0.042	ug/l	159.4	20000	
Zn	66	45	He	0.276	ug/l	85.2	20000	
As	75	45	He	-0.207	ug/l	N/A	5000	
Se	78	45	H2	-0.007	ug/l	N/A	3000	
Sr	88	115	He	0.067	ug/l	39.9	5000	
Mo	95	115	He	0.061	ug/l	66.3	2000	
Ag	107	115	He	0.002	ug/l	267.9	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	-0.089	ug/l	N/A	2000	
Sb	121	115	He	0.055	ug/l	69.3	1000	
Ba	137	159	He	0.420	ug/l	7.5	20000	
Tl	205	209	He	-0.035	ug/l	N/A	1000	
[Pb]	206	209	He	0.009	ug/l	228.1		
[Pb]	207	209	He	-0.033	ug/l	N/A		
Pb	208	209	He	-0.007	ug/l	N/A	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8436373.62	0.6	89.6	60	125	
Sc (ISICPMS)	45	No Gas	5956677.55	1.2	85.5	60	125	
Sc (ISICPMS)	45	H2	2219491.04	0.9	83.6	60	125	
Sc (ISICPMS)	45	He	89137.61	1.2	83.0	60	125	
Ge (IS)	74	H2	411383.00	1.8	81.4	60	125	
Ge (IS)	74	He	46626.63	1.3	83.9	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	106265.42	0.9	85.1	60	125	
Tb (IS)	159	He	655373.31	0.7	88.6	60	125	
Bi (IS)	209	He	590917.36	1.4	90.1	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 109_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 15:33:51

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	96.145	ug/l	0.9	100	90	110	
B	11	6	No Gas	248.658	ug/l	0.5	250	225	275	
Na	23	45	He	26280.463	ug/l	1.2	25000	22500	27500	
Mg	24	45	He	26116.323	ug/l	1.2	25000	22500	27500	
Al	27	45	He	25295.639	ug/l	2.0	25000	22500	27500	
K	39	45	He	25259.482	ug/l	0.9	25000	22500	27500	
Ca	40	45	H2	24797.874	ug/l	1.9	25000	22500	27500	
Ti	47	45	No Gas	99.817	ug/l	0.8	100	90	110	
V	51	45	He	98.837	ug/l	2.7	100	90	110	
Cr	52	45	He	101.957	ug/l	1.5	100	90	110	
Mn	55	45	He	101.151	ug/l	0.9	100	90	110	
Fe	56	45	H2	25368.386	ug/l	1.8	25000	22500	27500	
Co	59	45	He	101.506	ug/l	1.5	100	90	110	
Ni	60	45	He	100.951	ug/l	0.8	100	90	110	
Cu	63	45	He	102.003	ug/l	2.2	100	90	110	
Zn	66	45	He	254.375	ug/l	0.6	250	225	275	
As	75	45	He	95.665	ug/l	2.1	100	90	110	
Se	78	45	H2	102.015	ug/l	3.2	100	90	110	
Sr	88	115	He	98.828	ug/l	3.3	100	90	110	
Mo	95	115	He	99.669	ug/l	0.7	100	90	110	
Ag	107	115	He	51.142	ug/l	0.9	50	45	55	
Cd	111	115	He	103.034	ug/l	0.8	100	90	110	
Sn	118	115	He	102.231	ug/l	0.7	100	90	110	
Sb	121	115	He	101.292	ug/l	1.2	100	90	110	
Ba	137	159	He	94.102	ug/l	0.7	100	90	110	
Tl	205	209	He	99.899	ug/l	0.6	100	90	110	
[Pb]	206	209	He	99.855	ug/l	0.3				
[Pb]	207	209	He	100.134	ug/l	1.2				
Pb	208	209	He	100.407	ug/l	0.5	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	8220425.78	1.0	87.3	60	125	
Sc (ISICPMS)	45	No Gas	5865795.75	0.1	84.2	60	125	
Sc (ISICPMS)	45	H2	2192366.93	1.3	82.6	60	125	
Sc (ISICPMS)	45	He	85899.25	0.9	80.0	60	125	
Ge (IS)	74	H2	414072.81	1.1	81.9	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	46306.70	1.4	83.3	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	100341.12	0.5	80.4	60	125	
Tb (IS)	159	He	627842.40	0.4	84.9	60	125	
Bi (IS)	209	He	554702.17	0.5	84.6	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 110_Blk.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 15:36:21

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.012	ug/l	45.9	0.8	-0.8	0.8	
B	11	6	No Gas	4.980	ug/l	6.9	40	-40	40	
Na	23	45	He	101.409	ug/l	3.1	500	-500	500	
Mg	24	45	He	2.767	ug/l	37.0	200	-200	200	
Al	27	45	He	1.713	ug/l	73.1	40	-40	40	
K	39	45	He	29.498	ug/l	57.5	200	-200	200	
Ca	40	45	H2	7.068	ug/l	8.1	500	-500	500	
Ti	47	45	No Gas	1.994	ug/l	16.4	4	-4	4	
V	51	45	He	-0.331	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.128	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.265	ug/l	25.1	8	-8	8	
Fe	56	45	H2	3.154	ug/l	10.1	60	-60	60	
Co	59	45	He	0.012	ug/l	170.9	4	-4	4	
Ni	60	45	He	-0.065	ug/l	N/A	4	-4	4	
Cu	63	45	He	0.071	ug/l	36.6	4	-4	4	
Zn	66	45	He	0.793	ug/l	64.6	16	-16	16	
As	75	45	He	-0.035	ug/l	N/A	2	-2	2	
Se	78	45	H2	0.174	ug/l	94.6	2.5	-2.5	2.5	
Sr	88	115	He	0.043	ug/l	136.4	4	-4	4	
Mo	95	115	He	0.109	ug/l	17.8	4	-4	4	
Ag	107	115	He	0.003	ug/l	105.0	2	-2	2	
Cd	111	115	He	0.007	ug/l	173.2	2	-2	2	
Sn	118	115	He	-0.042	ug/l	N/A	16	-16	16	
Sb	121	115	He	0.093	ug/l	54.6	2	-2	2	
Ba	137	159	He	0.264	ug/l	37.3	4	-4	4	
Tl	205	209	He	-0.010	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.002	ug/l	1670.3				
[Pb]	207	209	He	-0.002	ug/l	N/A				
Pb	208	209	He	0.004	ug/l	196.8	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	8250932.17	1.0	87.6	60	125	
Sc (ISICPMS)	45	No Gas	5927104.01	0.6	85.0	60	125	
Sc (ISICPMS)	45	H2	2214634.48	0.8	83.5	60	125	
Sc (ISICPMS)	45	He	87672.19	0.5	81.6	60	125	
Ge (IS)	74	H2	412001.95	0.5	81.5	60	125	
Ge (IS)	74	He	46118.18	0.7	83.0	60	125	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	103106.26	1.1	82.6	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	632353.67	0.3	85.5	60	125	
Bi (IS)	209	He	574055.35	1.0	87.5	60	125	

DRAFT

Sample Report

File Name 111SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 15:38:50

Sample Name **460-307042-B-1-F**

Comment ---

Dilution **1.0000**

Vial # 3212

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	5.411	ug/l	0.8	2000	
B	11	6	No Gas	79.054	ug/l	1.8	2000	
Na	23	45	He	1028.987	ug/l	1.3	500000	
Mg	24	45	He	3430.644	ug/l	1.7	500000	
Al	27	45	He	42650.486	ug/l	1.3	500000	
K	39	45	He	5180.454	ug/l	0.9	500000	
Ca	40	45	H2	15665.213	ug/l	1.5	1000000	
Ti	47	45	No Gas	1288.126	ug/l	0.3	10000	
V	51	45	He	346.706	ug/l	2.0	5000	
Cr	52	45	He	281.835	ug/l	0.6	20000	
Mn	55	45	He	996.517	ug/l	0.7	20000	
Fe	56	45	H2	212809.967	ug/l	1.3	500000	
Co	59	45	He	35.492	ug/l	1.3	2000	
Ni	60	45	He	100.098	ug/l	1.0	20000	
Cu	63	45	He	175.161	ug/l	1.0	20000	
Zn	66	45	He	1369.054	ug/l	0.3	20000	
As	75	45	He	347.522	ug/l	1.4	5000	
Se	78	45	H2	12.114	ug/l	8.3	3000	
Sr	88	115	He	484.758	ug/l	0.4	5000	
Mo	95	115	He	20.890	ug/l	1.1	2000	
Ag	107	115	He	0.934	ug/l	12.2	1000	
Cd	111	115	He	5.063	ug/l	5.7	5000	
Sn	118	115	He	68.318	ug/l	0.5	2000	
Sb	121	115	He	7.404	ug/l	2.0	1000	
Ba	137	159	He	798.712	ug/l	0.3	20000	
Tl	205	209	He	3.810	ug/l	1.5	1000	
[Pb]	206	209	He	698.135	ug/l	1.1		
[Pb]	207	209	He	674.740	ug/l	0.7		
Pb	208	209	He	685.259	ug/l	1.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8204356.40	0.1	87.1	60	125	
Sc (ISICPMS)	45	No Gas	6025103.94	0.3	86.5	60	125	
Sc (ISICPMS)	45	H2	2313110.83	1.1	87.2	60	125	
Sc (ISICPMS)	45	He	91740.31	1.3	85.4	60	125	
Ge (IS)	74	H2	439457.62	0.9	86.9	60	125	
Ge (IS)	74	He	49442.03	2.4	89.0	60	125	
Kr	83	He	26.69	57.3	800.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	103334.08	1.0	82.8	60	125	
Tb (IS)	159	He	648017.74	0.6	87.7	60	125	
Bi (IS)	209	He	583685.89	1.5	89.0	60	125	

DRAFT

Sample Report

File Name 112SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 15:41:21

Sample Name **460-307050-A-1-B**

Comment ---

Dilution **1.0000**

Vial # 3301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	3.072	ug/l	2.8	2000	
B	11	6	No Gas	54.112	ug/l	0.8	2000	
Na	23	45	He	1974.621	ug/l	0.8	500000	
Mg	24	45	He	124608.582	ug/l	0.9	500000	
Al	27	45	He	67465.755	ug/l	1.2	500000	
K	39	45	He	23235.257	ug/l	0.4	500000	
Ca	40	45	H2	540039.573	ug/l	2.4	1000000	
Ti	47	45	No Gas	5662.384	ug/l	0.3	10000	
V	51	45	He	226.532	ug/l	0.6	5000	
Cr	52	45	He	181.919	ug/l	0.2	20000	
Mn	55	45	He	3080.218	ug/l	1.1	20000	
Fe	56	45	H2	230045.339	ug/l	3.1	500000	
Co	59	45	He	67.164	ug/l	0.7	2000	
Ni	60	45	He	204.170	ug/l	0.5	20000	
Cu	63	45	He	474.592	ug/l	0.2	20000	
Zn	66	45	He	8947.922	ug/l	0.8	20000	
As	75	45	He	80.257	ug/l	3.1	5000	
Se	78	45	H2	5.945	ug/l	10.6	3000	
Sr	88	115	He	1104.357	ug/l	0.1	5000	
Mo	95	115	He	15.450	ug/l	3.2	2000	
Ag	107	115	He	1.570	ug/l	1.3	1000	
Cd	111	115	He	7.145	ug/l	3.9	5000	
Sn	118	115	He	223.326	ug/l	0.8	2000	
Sb	121	115	He	74.005	ug/l	0.4	1000	
Ba	137	159	He	16297.770	ug/l	0.7	20000	
Tl	205	209	He	2.080	ug/l	5.9	1000	
[Pb]	206	209	He	7852.836	ug/l	0.9		
[Pb]	207	209	He	7761.796	ug/l	0.9		
Pb	208	209	He	7786.501	ug/l	0.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8206717.87	0.1	87.2	60	125	
Sc (ISICPMS)	45	No Gas	6142353.80	0.8	88.1	60	125	
Sc (ISICPMS)	45	H2	2366543.52	1.8	89.2	60	125	
Sc (ISICPMS)	45	He	92053.27	1.1	85.7	60	125	
Ge (IS)	74	H2	439660.33	0.7	87.0	60	125	
Ge (IS)	74	He	48814.16	1.9	87.8	60	125	
Kr	83	He	36.70	31.5	1100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	103665.28	1.6	83.0	60	125	
Tb (IS)	159	He	656413.90	1.0	88.8	60	125	
Bi (IS)	209	He	571233.25	1.2	87.1	60	125	

DRAFT

Sample Report

File Name 113SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 15:43:52

Sample Name **460-307050-A-2-B**

Comment ---

Dilution **1.0000**

Vial # 3302

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	6.657	ug/l	0.7	2000	
B	11	6	No Gas	37.262	ug/l	1.2	2000	
Na	23	45	He	2217.918	ug/l	0.3	500000	
Mg	24	45	He	361602.000	ug/l	0.4	500000	
Al	27	45	He	67428.542	ug/l	0.8	500000	
K	39	45	He	15105.990	ug/l	0.4	500000	
Ca	40	45	H2	717517.062	ug/l	3.4	1000000	
Ti	47	45	No Gas	3701.284	ug/l	2.1	10000	
V	51	45	He	238.386	ug/l	0.4	5000	
Cr	52	45	He	147.399	ug/l	0.4	20000	
Mn	55	45	He	2726.128	ug/l	0.5	20000	
Fe	56	45	H2	165056.292	ug/l	4.3	500000	
Co	59	45	He	51.078	ug/l	0.6	2000	
Ni	60	45	He	150.523	ug/l	1.2	20000	
Cu	63	45	He	381.647	ug/l	0.4	20000	
Zn	66	45	He	2501.852	ug/l	0.4	20000	
As	75	45	He	43.466	ug/l	4.9	5000	
Se	78	45	H2	2.624	ug/l	16.7	3000	
Sr	88	115	He	777.306	ug/l	1.4	5000	
Mo	95	115	He	10.469	ug/l	4.1	2000	
Ag	107	115	He	0.951	ug/l	7.8	1000	
Cd	111	115	He	4.026	ug/l	4.5	5000	
Sn	118	115	He	82.131	ug/l	1.3	2000	
Sb	121	115	He	2.891	ug/l	6.4	1000	
Ba	137	159	He	2418.658	ug/l	0.7	20000	
Tl	205	209	He	2.199	ug/l	1.8	1000	
[Pb]	206	209	He	1997.302	ug/l	0.4		
[Pb]	207	209	He	1970.634	ug/l	0.9		
Pb	208	209	He	1977.312	ug/l	0.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8471427.79	0.4	90.0	60	125	
Sc (ISICPMS)	45	No Gas	6281770.95	1.0	90.1	60	125	
Sc (ISICPMS)	45	H2	2460540.47	1.9	92.7	60	125	
Sc (ISICPMS)	45	He	96083.64	1.1	89.5	60	125	
Ge (IS)	74	H2	436510.35	0.5	86.3	60	125	
Ge (IS)	74	He	49746.58	2.2	89.5	60	125	
Kr	83	He	36.70	41.7	1100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	105172.40	1.4	84.2	60	125	
Tb (IS)	159	He	667283.29	1.4	90.3	60	125	
Bi (IS)	209	He	558959.16	1.6	85.2	60	125	

DRAFT

Sample Report

File Name 114SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 15:46:23

Sample Name **460-307050-A-3-B**

Comment ---

Dilution **1.0000**

Vial # 3303

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	3.025	ug/l	1.5	2000	
B	11	6	No Gas	35.921	ug/l	0.5	2000	
Na	23	45	He	1850.947	ug/l	1.2	500000	
Mg	24	45	He	7928.969	ug/l	0.2	500000	
Al	27	45	He	32328.601	ug/l	0.0	500000	
K	39	45	He	7419.357	ug/l	0.9	500000	
Ca	40	45	H2	28925.526	ug/l	0.3	1000000	
Ti	47	45	No Gas	2089.051	ug/l	2.0	10000	
V	51	45	He	241.444	ug/l	0.4	5000	
Cr	52	45	He	240.141	ug/l	1.2	20000	
Mn	55	45	He	1061.111	ug/l	0.5	20000	
Fe	56	45	H2	257000.941	ug/l	0.6	500000	
Co	59	45	He	53.910	ug/l	0.1	2000	
Ni	60	45	He	195.664	ug/l	0.4	20000	
Cu	63	45	He	1323.409	ug/l	1.1	20000	
Zn	66	45	He	4528.651	ug/l	1.0	20000	
As	75	45	He	88.390	ug/l	3.0	5000	
Se	78	45	H2	9.645	ug/l	2.4	3000	
Sr	88	115	He	415.744	ug/l	0.5	5000	
Mo	95	115	He	67.907	ug/l	1.3	2000	
Ag	107	115	He	3.462	ug/l	1.1	1000	
Cd	111	115	He	4.173	ug/l	0.8	5000	
Sn	118	115	He	364.950	ug/l	1.0	2000	
Sb	121	115	He	23.640	ug/l	2.1	1000	
Ba	137	159	He	4082.281	ug/l	0.7	20000	
Tl	205	209	He	0.902	ug/l	1.7	1000	
[Pb]	206	209	He	2865.962	ug/l	0.8		
[Pb]	207	209	He	2789.833	ug/l	0.9		
Pb	208	209	He	2818.969	ug/l	0.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8918531.74	1.2	94.7	60	125	
Sc (ISICPMS)	45	No Gas	6454230.67	0.4	92.6	60	125	
Sc (ISICPMS)	45	H2	2466091.53	0.5	92.9	60	125	
Sc (ISICPMS)	45	He	98277.06	0.8	91.5	60	125	
Ge (IS)	74	H2	464830.21	0.2	91.9	60	125	
Ge (IS)	74	He	52765.63	0.4	95.0	60	125	
Kr	83	He	13.35	43.3	400.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	112543.65	0.5	90.1	60	125	
Tb (IS)	159	He	697619.89	1.0	94.4	60	125	
Bi (IS)	209	He	623130.70	0.2	95.0	60	125	

DRAFT

Sample Report

File Name 115SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 15:48:53

Sample Name **460-307050-A-4-B**

Comment ---

Dilution **1.0000**

Vial # 3304

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	3.383	ug/l	2.0	2000	
B	11	6	No Gas	33.644	ug/l	2.7	2000	
Na	23	45	He	2206.627	ug/l	1.1	500000	
Mg	24	45	He	222987.109	ug/l	0.2	500000	
Al	27	45	He	55307.013	ug/l	0.8	500000	
K	39	45	He	14816.592	ug/l	0.5	500000	
Ca	40	45	H2	694733.434	ug/l	0.5	1000000	
Ti	47	45	No Gas	3588.261	ug/l	2.0	10000	
V	51	45	He	259.278	ug/l	0.5	5000	
Cr	52	45	He	158.194	ug/l	0.4	20000	
Mn	55	45	He	1785.958	ug/l	1.2	20000	
Fe	56	45	H2	126545.460	ug/l	2.1	500000	
Co	59	45	He	53.614	ug/l	1.4	2000	
Ni	60	45	He	158.506	ug/l	0.1	20000	
Cu	63	45	He	228.874	ug/l	1.4	20000	
Zn	66	45	He	1375.472	ug/l	0.3	20000	
As	75	45	He	31.960	ug/l	2.2	5000	
Se	78	45	H2	1.994	ug/l	19.0	3000	
Sr	88	115	He	1210.829	ug/l	0.4	5000	
Mo	95	115	He	6.760	ug/l	1.5	2000	
Ag	107	115	He	1.023	ug/l	2.2	1000	
Cd	111	115	He	2.755	ug/l	8.0	5000	
Sn	118	115	He	60.164	ug/l	2.3	2000	
Sb	121	115	He	1.999	ug/l	5.0	1000	
Ba	137	159	He	1389.443	ug/l	0.9	20000	
Tl	205	209	He	1.470	ug/l	2.2	1000	
[Pb]	206	209	He	1523.301	ug/l	1.5		
[Pb]	207	209	He	1500.069	ug/l	0.2		
Pb	208	209	He	1507.907	ug/l	0.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8800135.08	0.3	93.5	60	125	
Sc (ISICPMS)	45	No Gas	6402681.23	1.1	91.9	60	125	
Sc (ISICPMS)	45	H2	2469580.34	1.8	93.1	60	125	
Sc (ISICPMS)	45	He	96813.79	0.7	90.2	60	125	
Ge (IS)	74	H2	450417.53	2.0	89.1	60	125	
Ge (IS)	74	He	50773.76	1.5	91.4	60	125	
Kr	83	He	23.36	49.5	700.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	107060.60	0.8	85.7	60	125	
Tb (IS)	159	He	677755.62	1.3	91.7	60	125	
Bi (IS)	209	He	573085.17	1.2	87.4	60	125	

DRAFT

Sample Report

File Name 116SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 15:51:25

Sample Name **460-307050-A-5-B**

Comment ---

Dilution **1.0000**

Vial # 3305

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	3.591	ug/l	1.8	2000	
B	11	6	No Gas	27.321	ug/l	0.6	2000	
Na	23	45	He	1662.653	ug/l	1.1	500000	
Mg	24	45	He	4063.070	ug/l	1.4	500000	
Al	27	45	He	24101.040	ug/l	1.8	500000	
K	39	45	He	2840.937	ug/l	1.1	500000	
Ca	40	45	H2	32237.232	ug/l	1.2	1000000	
Ti	47	45	No Gas	796.219	ug/l	0.8	10000	
V	51	45	He	121.351	ug/l	1.1	5000	
Cr	52	45	He	141.257	ug/l	0.8	20000	
Mn	55	45	He	591.705	ug/l	1.1	20000	
Fe	56	45	H2	56235.567	ug/l	1.1	500000	
Co	59	45	He	44.063	ug/l	1.1	2000	
Ni	60	45	He	104.716	ug/l	2.6	20000	
Cu	63	45	He	656.977	ug/l	1.4	20000	
Zn	66	45	He	13845.835	ug/l	0.7	20000	
As	75	45	He	37.149	ug/l	5.2	5000	
Se	78	45	H2	5.684	ug/l	3.5	3000	
Sr	88	115	He	782.330	ug/l	0.8	5000	
Mo	95	115	He	16.559	ug/l	1.8	2000	
Ag	107	115	He	1.121	ug/l	6.2	1000	
Cd	111	115	He	8.097	ug/l	2.8	5000	
Sn	118	115	He	50.125	ug/l	1.8	2000	
Sb	121	115	He	2.873	ug/l	3.4	1000	
Ba	137	159	He	31285.900	ug/l	1.0	20000	>LDR 6020B□>LDR 200.8
Tl	205	209	He	0.727	ug/l	2.2	1000	
[Pb]	206	209	He	1162.684	ug/l	0.7		
[Pb]	207	209	He	1099.235	ug/l	0.9		
Pb	208	209	He	1123.136	ug/l	0.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9024547.44	0.9	95.9	60	125	
Sc (ISICPMS)	45	No Gas	6573224.62	0.7	94.3	60	125	
Sc (ISICPMS)	45	H2	2438771.84	1.2	91.9	60	125	
Sc (ISICPMS)	45	He	96451.01	0.8	89.8	60	125	
Ge (IS)	74	H2	467668.50	0.6	92.5	60	125	
Ge (IS)	74	He	52151.04	0.7	93.8	60	125	
Kr	83	He	33.37	62.4	1000.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	109981.74	0.1	88.1	60	125	
Tb (IS)	159	He	688593.26	1.5	93.1	60	125	
Bi (IS)	209	He	606514.75	0.7	92.5	60	125	

DRAFT

Sample Report

File Name 117SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 15:53:55

Sample Name **460-307050-A-5-B@3**

Comment ---

Dilution **1.0000**

Vial # 3512

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	1.307	ug/l	2.8	2000	
B	11	6	No Gas	10.898	ug/l	3.8	2000	
Na	23	45	He	649.393	ug/l	2.1	500000	
Mg	24	45	He	1493.087	ug/l	0.9	500000	
Al	27	45	He	8868.465	ug/l	1.7	500000	
K	39	45	He	1065.206	ug/l	0.9	500000	
Ca	40	45	H2	11765.987	ug/l	0.2	1000000	
Ti	47	45	No Gas	291.979	ug/l	1.6	10000	
V	51	45	He	43.856	ug/l	1.7	5000	
Cr	52	45	He	52.277	ug/l	0.8	20000	
Mn	55	45	He	222.148	ug/l	1.3	20000	
Fe	56	45	H2	20719.458	ug/l	0.2	500000	
Co	59	45	He	16.280	ug/l	1.9	2000	
Ni	60	45	He	39.597	ug/l	0.8	20000	
Cu	63	45	He	243.210	ug/l	1.4	20000	
Zn	66	45	He	5231.354	ug/l	1.5	20000	
As	75	45	He	13.818	ug/l	7.1	5000	
Se	78	45	H2	1.796	ug/l	12.4	3000	
Sr	88	115	He	281.362	ug/l	1.4	5000	
Mo	95	115	He	6.194	ug/l	0.5	2000	
Ag	107	115	He	0.407	ug/l	7.6	1000	
Cd	111	115	He	3.082	ug/l	4.8	5000	
Sn	118	115	He	17.971	ug/l	3.6	2000	
Sb	121	115	He	1.127	ug/l	9.1	1000	
Ba	137	159	He	11360.042	ug/l	1.4	20000	
Tl	205	209	He	0.236	ug/l	10.5	1000	
[Pb]	206	209	He	417.957	ug/l	1.1		
[Pb]	207	209	He	397.017	ug/l	0.9		
Pb	208	209	He	404.799	ug/l	0.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8875654.87	0.7	94.3	60	125	
Sc (ISICPMS)	45	No Gas	6446782.26	0.9	92.5	60	125	
Sc (ISICPMS)	45	H2	2402186.53	0.7	90.5	60	125	
Sc (ISICPMS)	45	He	94239.99	1.4	87.8	60	125	
Ge (IS)	74	H2	464461.25	0.6	91.9	60	125	
Ge (IS)	74	He	51288.84	0.6	92.3	60	125	
Kr	83	He	10.01	100.0	300.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	111054.70	1.1	88.9	60	125	
Tb (IS)	159	He	683434.53	0.4	92.4	60	125	
Bi (IS)	209	He	608518.76	0.4	92.8	60	125	

DRAFT

Sample Report

File Name 118SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 15:56:25

Sample Name **460-307050-A-6-B**

Comment ---

Dilution **1.0000**

Vial # 3306

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	8.356	ug/l	1.9	2000	
B	11	6	No Gas	30.953	ug/l	0.8	2000	
Na	23	45	He	1150.317	ug/l	1.1	500000	
Mg	24	45	He	151580.741	ug/l	0.9	500000	
Al	27	45	He	54463.242	ug/l	1.5	500000	
K	39	45	He	19010.456	ug/l	0.9	500000	
Ca	40	45	H2	285013.481	ug/l	1.9	1000000	
Ti	47	45	No Gas	5623.007	ug/l	1.5	10000	
V	51	45	He	1036.159	ug/l	1.3	5000	
Cr	52	45	He	192.883	ug/l	1.2	20000	
Mn	55	45	He	2249.581	ug/l	0.9	20000	
Fe	56	45	H2	212675.711	ug/l	2.7	500000	
Co	59	45	He	77.655	ug/l	1.2	2000	
Ni	60	45	He	187.469	ug/l	0.6	20000	
Cu	63	45	He	402.562	ug/l	0.5	20000	
Zn	66	45	He	926.671	ug/l	0.7	20000	
As	75	45	He	30.270	ug/l	3.4	5000	
Se	78	45	H2	2.171	ug/l	8.2	3000	
Sr	88	115	He	379.898	ug/l	0.4	5000	
Mo	95	115	He	4.909	ug/l	4.6	2000	
Ag	107	115	He	0.907	ug/l	4.9	1000	
Cd	111	115	He	2.360	ug/l	7.6	5000	
Sn	118	115	He	48.804	ug/l	2.5	2000	
Sb	121	115	He	1.013	ug/l	17.5	1000	
Ba	137	159	He	1546.187	ug/l	0.7	20000	
Tl	205	209	He	2.387	ug/l	0.5	1000	
[Pb]	206	209	He	616.329	ug/l	0.8		
[Pb]	207	209	He	601.564	ug/l	0.9		
Pb	208	209	He	607.300	ug/l	0.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8782727.93	0.4	93.3	60	125	
Sc (ISICPMS)	45	No Gas	6694059.35	0.4	96.1	60	125	
Sc (ISICPMS)	45	H2	2577673.12	1.6	97.1	60	125	
Sc (ISICPMS)	45	He	101077.50	0.6	94.1	60	125	
Ge (IS)	74	H2	459379.82	0.3	90.9	60	125	
Ge (IS)	74	He	51950.33	0.5	93.5	60	125	
Kr	83	He	20.02	50.0	600.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	110636.56	1.1	88.6	60	125	
Tb (IS)	159	He	698697.51	1.0	94.5	60	125	
Bi (IS)	209	He	589129.18	1.2	89.8	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 119_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 15:58:55

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	97.515	ug/l	2.8	100	90	110	
B	11	6	No Gas	248.845	ug/l	2.6	250	225	275	
Na	23	45	He	26096.084	ug/l	0.4	25000	22500	27500	
Mg	24	45	He	26147.614	ug/l	0.3	25000	22500	27500	
Al	27	45	He	25494.329	ug/l	0.7	25000	22500	27500	
K	39	45	He	25396.087	ug/l	0.7	25000	22500	27500	
Ca	40	45	H2	25256.402	ug/l	0.4	25000	22500	27500	
Ti	47	45	No Gas	105.183	ug/l	2.9	100	90	110	
V	51	45	He	99.417	ug/l	1.3	100	90	110	
Cr	52	45	He	100.478	ug/l	0.8	100	90	110	
Mn	55	45	He	102.426	ug/l	0.5	100	90	110	
Fe	56	45	H2	25442.710	ug/l	0.1	25000	22500	27500	
Co	59	45	He	102.452	ug/l	0.2	100	90	110	
Ni	60	45	He	101.384	ug/l	0.6	100	90	110	
Cu	63	45	He	102.189	ug/l	1.5	100	90	110	
Zn	66	45	He	257.954	ug/l	1.3	250	225	275	
As	75	45	He	100.916	ug/l	1.3	100	90	110	
Se	78	45	H2	101.156	ug/l	0.7	100	90	110	
Sr	88	115	He	101.620	ug/l	1.8	100	90	110	
Mo	95	115	He	101.800	ug/l	1.6	100	90	110	
Ag	107	115	He	51.121	ug/l	1.1	50	45	55	
Cd	111	115	He	102.391	ug/l	1.9	100	90	110	
Sn	118	115	He	102.372	ug/l	0.4	100	90	110	
Sb	121	115	He	102.626	ug/l	0.9	100	90	110	
Ba	137	159	He	100.544	ug/l	2.1	100	90	110	
Tl	205	209	He	101.884	ug/l	0.9	100	90	110	
[Pb]	206	209	He	102.932	ug/l	0.7				
[Pb]	207	209	He	102.418	ug/l	1.8				
Pb	208	209	He	102.414	ug/l	0.9	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	9011035.70	0.6	95.7	60	125	
Sc (ISICPMS)	45	No Gas	6351952.61	0.4	91.1	60	125	
Sc (ISICPMS)	45	H2	2376604.24	1.2	89.6	60	125	
Sc (ISICPMS)	45	He	94175.88	0.4	87.7	60	125	
Ge (IS)	74	H2	451239.33	1.2	89.3	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	50900.69	1.1	91.6	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	110120.51	1.1	88.2	60	125	
Tb (IS)	159	He	681096.34	0.4	92.1	60	125	
Bi (IS)	209	He	596395.77	0.4	90.9	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 120_Blk.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 16:01:25

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.020	ug/l	43.9	0.8	-0.8	0.8	
B	11	6	No Gas	4.187	ug/l	3.0	40	-40	40	
Na	23	45	He	43.764	ug/l	19.1	500	-500	500	
Mg	24	45	He	7.211	ug/l	29.0	200	-200	200	
Al	27	45	He	2.808	ug/l	28.1	40	-40	40	
K	39	45	He	15.926	ug/l	100.7	200	-200	200	
Ca	40	45	H2	25.089	ug/l	3.1	500	-500	500	
Ti	47	45	No Gas	2.129	ug/l	12.5	4	-4	4	
V	51	45	He	-0.723	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.131	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.214	ug/l	28.9	8	-8	8	
Fe	56	45	H2	9.012	ug/l	5.1	60	-60	60	
Co	59	45	He	0.027	ug/l	69.1	4	-4	4	
Ni	60	45	He	0.012	ug/l	352.3	4	-4	4	
Cu	63	45	He	0.097	ug/l	44.3	4	-4	4	
Zn	66	45	He	0.715	ug/l	62.0	16	-16	16	
As	75	45	He	-0.175	ug/l	N/A	2	-2	2	
Se	78	45	H2	0.084	ug/l	40.6	2.5	-2.5	2.5	
Sr	88	115	He	0.145	ug/l	11.9	4	-4	4	
Mo	95	115	He	0.109	ug/l	17.2	4	-4	4	
Ag	107	115	He	0.003	ug/l	63.7	2	-2	2	
Cd	111	115	He	0.000	ug/l	N/A	2	-2	2	
Sn	118	115	He	-0.119	ug/l	N/A	16	-16	16	
Sb	121	115	He	0.020	ug/l	168.7	2	-2	2	
Ba	137	159	He	1.792	ug/l	10.1	4	-4	4	
Tl	205	209	He	-0.020	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.100	ug/l	39.7				
[Pb]	207	209	He	0.077	ug/l	29.7				
Pb	208	209	He	0.113	ug/l	11.6	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	8979465.70	0.6	95.4	60	125	
Sc (ISICPMS)	45	No Gas	6430477.27	0.7	92.3	60	125	
Sc (ISICPMS)	45	H2	2426639.86	0.6	91.5	60	125	
Sc (ISICPMS)	45	He	95529.78	2.1	89.0	60	125	
Ge (IS)	74	H2	449168.37	1.1	88.8	60	125	
Ge (IS)	74	He	50288.47	1.2	90.5	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	113691.34	0.5	91.1	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	689590.09	0.9	93.3	60	125	
Bi (IS)	209	He	622634.07	1.1	94.9	60	125	

DRAFT

Sample Report

File Name 121SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 16:16:46

Sample Name **460-306510-E-3-B@2**

Comment ---

Dilution **1.0000**

Vial # 3110

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.005	ug/l	14.3	2000	
B	11	6	No Gas	11.253	ug/l	2.0	2000	
Na	23	45	He	6452539.990	ug/l	2.0	500000	>LDR 6020B□>LDR 200.8
Mg	24	45	He	6811.385	ug/l	3.2	500000	
Al	27	45	He	621.481	ug/l	1.1	500000	
K	39	45	He	9834.187	ug/l	2.6	500000	
Ca	40	45	H2	82423.954	ug/l	1.1	1000000	
Ti	47	45	No Gas	-0.376	ug/l	N/A	10000	
V	51	45	He	7.690	ug/l	7.3	5000	
Cr	52	45	He	291.492	ug/l	0.8	20000	
Mn	55	45	He	269.291	ug/l	2.5	20000	
Fe	56	45	H2	88.734	ug/l	1.2	500000	
Co	59	45	He	0.098	ug/l	12.4	2000	
Ni	60	45	He	7.563	ug/l	2.9	20000	
Cu	63	45	He	2.612	ug/l	3.1	20000	
Zn	66	45	He	13.382	ug/l	6.6	20000	
As	75	45	He	0.768	ug/l	18.9	5000	
Se	78	45	H2	1.625	ug/l	6.5	3000	
Sr	88	115	He	99.798	ug/l	3.4	5000	
Mo	95	115	He	16.751	ug/l	1.9	2000	
Ag	107	115	He	0.019	ug/l	41.2	1000	
Cd	111	115	He	0.021	ug/l	99.1	5000	
Sn	118	115	He	0.023	ug/l	267.1	2000	
Sb	121	115	He	0.056	ug/l	58.5	1000	
Ba	137	159	He	30.467	ug/l	2.8	20000	
Tl	205	209	He	-0.039	ug/l	N/A	1000	
[Pb]	206	209	He	2.363	ug/l	5.4		
[Pb]	207	209	He	2.248	ug/l	4.2		
Pb	208	209	He	2.327	ug/l	3.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	7961424.81	0.4	84.6	60	125	
Sc (ISICPMS)	45	No Gas	5435640.13	0.5	78.0	60	125	
Sc (ISICPMS)	45	H2	2074974.42	0.8	78.2	60	125	
Sc (ISICPMS)	45	He	84627.61	1.3	78.8	60	125	
Ge (IS)	74	H2	387286.90	0.1	76.6	60	125	
Ge (IS)	74	He	44894.19	1.5	80.8	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	96232.18	1.6	77.1	60	125	
Tb (IS)	159	He	595968.52	3.0	80.6	60	125	
Bi (IS)	209	He	490380.75	1.1	74.8	60	125	

DRAFT

Sample Report

File Name 122SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 16:19:17

Sample Name **460-306510-E-4-B@5**

Comment ---

Dilution **1.0000**

Vial # 3111

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.034	ug/l	4.1	2000	
B	11	6	No Gas	82.042	ug/l	0.9	2000	
Na	23	45	He	3324570.936	ug/l	0.8	500000	>LDR 6020B□>LDR 200.8
Mg	24	45	He	8244.189	ug/l	0.9	500000	
Al	27	45	He	3165.626	ug/l	1.2	500000	
K	39	45	He	20231.869	ug/l	1.6	500000	
Ca	40	45	H2	7022.394	ug/l	1.8	1000000	
Ti	47	45	No Gas	34.197	ug/l	1.6	10000	
V	51	45	He	215.381	ug/l	1.6	5000	
Cr	52	45	He	103.385	ug/l	1.7	20000	
Mn	55	45	He	45.511	ug/l	3.2	20000	
Fe	56	45	H2	1459.158	ug/l	1.3	500000	
Co	59	45	He	2.445	ug/l	5.9	2000	
Ni	60	45	He	71.568	ug/l	0.9	20000	
Cu	63	45	He	182.370	ug/l	1.2	20000	
Zn	66	45	He	37.331	ug/l	3.8	20000	
As	75	45	He	74.085	ug/l	4.6	5000	
Se	78	45	H2	9.586	ug/l	2.2	3000	
Sr	88	115	He	30.654	ug/l	1.8	5000	
Mo	95	115	He	38.434	ug/l	1.3	2000	
Ag	107	115	He	0.242	ug/l	17.7	1000	
Cd	111	115	He	0.148	ug/l	21.7	5000	
Sn	118	115	He	12.953	ug/l	2.1	2000	
Sb	121	115	He	7.216	ug/l	1.8	1000	
Ba	137	159	He	11.698	ug/l	7.2	20000	
Tl	205	209	He	-0.037	ug/l	N/A	1000	
[Pb]	206	209	He	22.439	ug/l	1.2		
[Pb]	207	209	He	22.006	ug/l	0.6		
Pb	208	209	He	22.204	ug/l	0.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	7984430.85	0.9	84.8	60	125	
Sc (ISICPMS)	45	No Gas	5616456.30	1.0	80.6	60	125	
Sc (ISICPMS)	45	H2	2126485.70	1.0	80.1	60	125	
Sc (ISICPMS)	45	He	85873.27	0.6	80.0	60	125	
Ge (IS)	74	H2	406844.98	0.6	80.5	60	125	
Ge (IS)	74	He	47299.70	0.6	85.1	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	100810.27	0.8	80.7	60	125	
Tb (IS)	159	He	618344.35	0.7	83.6	60	125	
Bi (IS)	209	He	525292.08	0.7	80.1	60	125	

DRAFT

Sample Report

File Name 123SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 16:21:48

Sample Name **460-306510-E-5-B@2**

Comment ---

Dilution **1.0000**

Vial # 3112

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.005	ug/l	33.8	2000	
B	11	6	No Gas	14.062	ug/l	1.4	2000	
Na	23	45	He	2229023.185	ug/l	0.8	500000	>LDR 6020B□>LDR 200.8
Mg	24	45	He	9296.767	ug/l	2.5	500000	
Al	27	45	He	375.392	ug/l	3.6	500000	
K	39	45	He	6264.601	ug/l	2.8	500000	
Ca	40	45	H2	49491.155	ug/l	0.7	1000000	
Ti	47	45	No Gas	1.804	ug/l	21.8	10000	
V	51	45	He	3.073	ug/l	5.2	5000	
Cr	52	45	He	145.713	ug/l	1.5	20000	
Mn	55	45	He	80.675	ug/l	2.4	20000	
Fe	56	45	H2	169.477	ug/l	2.0	500000	
Co	59	45	He	0.115	ug/l	25.9	2000	
Ni	60	45	He	11.213	ug/l	4.4	20000	
Cu	63	45	He	4.528	ug/l	5.8	20000	
Zn	66	45	He	16.157	ug/l	3.6	20000	
As	75	45	He	0.422	ug/l	67.9	5000	
Se	78	45	H2	0.966	ug/l	16.3	3000	
Sr	88	115	He	58.195	ug/l	0.9	5000	
Mo	95	115	He	11.346	ug/l	6.6	2000	
Ag	107	115	He	0.015	ug/l	22.0	1000	
Cd	111	115	He	0.026	ug/l	46.0	5000	
Sn	118	115	He	0.453	ug/l	57.2	2000	
Sb	121	115	He	0.210	ug/l	20.7	1000	
Ba	137	159	He	13.658	ug/l	8.5	20000	
Tl	205	209	He	-0.043	ug/l	N/A	1000	
[Pb]	206	209	He	3.678	ug/l	4.1		
[Pb]	207	209	He	3.640	ug/l	1.5		
Pb	208	209	He	3.685	ug/l	3.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8338098.35	0.4	88.6	60	125	
Sc (ISICPMS)	45	No Gas	5817610.47	0.1	83.5	60	125	
Sc (ISICPMS)	45	H2	2218914.19	0.2	83.6	60	125	
Sc (ISICPMS)	45	He	90092.87	1.3	83.9	60	125	
Ge (IS)	74	H2	422493.42	0.7	83.6	60	125	
Ge (IS)	74	He	48829.70	1.3	87.9	60	125	
Kr	83	He	0.00	N/A	0.0			

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Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	105672.74	2.9	84.6	60	125	
Tb (IS)	159	He	649538.62	1.3	87.9	60	125	
Bi (IS)	209	He	550594.77	2.3	83.9	60	125	

DRAFT

Sample Report

File Name 124SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 16:24:19

Sample Name **460-306510-E-6-B@5**

Comment ---

Dilution **1.0000**

Vial # 3201

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.103	ug/l	17.9	2000	
B	11	6	No Gas	38.106	ug/l	1.7	2000	
Na	23	45	He	9107085.695	ug/l	1.9	500000	>LDR 6020B□>LDR 200.8
Mg	24	45	He	0.516	ug/l	76.3	500000	
Al	27	45	He	25012.400	ug/l	0.7	500000	
K	39	45	He	7828.033	ug/l	3.4	500000	
Ca	40	45	H2	92.434	ug/l	3.0	1000000	
Ti	47	45	No Gas	11.708	ug/l	3.5	10000	
V	51	45	He	291.764	ug/l	4.4	5000	
Cr	52	45	He	1997.587	ug/l	1.6	20000	
Mn	55	45	He	15.495	ug/l	5.7	20000	
Fe	56	45	H2	44.555	ug/l	1.8	500000	
Co	59	45	He	-0.019	ug/l	N/A	2000	
Ni	60	45	He	-0.431	ug/l	N/A	20000	
Cu	63	45	He	5.861	ug/l	2.3	20000	
Zn	66	45	He	27.158	ug/l	2.8	20000	
As	75	45	He	26.719	ug/l	1.5	5000	
Se	78	45	H2	1.178	ug/l	11.2	3000	
Sr	88	115	He	1.430	ug/l	3.3	5000	
Mo	95	115	He	20.801	ug/l	3.5	2000	
Ag	107	115	He	0.032	ug/l	48.3	1000	
Cd	111	115	He	0.042	ug/l	50.8	5000	
Sn	118	115	He	4.639	ug/l	2.8	2000	
Sb	121	115	He	0.454	ug/l	19.4	1000	
Ba	137	159	He	0.263	ug/l	27.9	20000	
Tl	205	209	He	-0.035	ug/l	N/A	1000	
[Pb]	206	209	He	26.483	ug/l	4.5		
[Pb]	207	209	He	24.312	ug/l	1.7		
Pb	208	209	He	25.543	ug/l	3.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	7447718.71	0.7	79.1	60	125	
Sc (ISICPMS)	45	No Gas	5306034.16	0.6	76.1	60	125	
Sc (ISICPMS)	45	H2	2009805.89	0.8	75.7	60	125	
Sc (ISICPMS)	45	He	85006.87	2.1	79.2	60	125	
Ge (IS)	74	H2	377882.32	0.5	74.7	60	125	
Ge (IS)	74	He	45124.59	1.8	81.2	60	125	
Kr	83	He	0.00	N/A	0.0			

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Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	97908.55	0.8	78.4	60	125	
Tb (IS)	159	He	596110.00	2.9	80.6	60	125	
Bi (IS)	209	He	487215.89	2.7	74.3	60	125	

DRAFT

Sample Report

File Name 125SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 16:26:50

Sample Name **460-306510-E-8-B@2**

Comment ---

Dilution **1.0000**

Vial # 3202

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.007	ug/l	69.6	2000	
B	11	6	No Gas	29.265	ug/l	1.2	2000	
Na	23	45	He	1740167.167	ug/l	0.4	500000	>LDR 6020B□>LDR 200.8
Mg	24	45	He	1172.779	ug/l	2.6	500000	
Al	27	45	He	17552.178	ug/l	0.6	500000	
K	39	45	He	1443.921	ug/l	2.0	500000	
Ca	40	45	H2	1829.660	ug/l	1.8	1000000	
Ti	47	45	No Gas	9.757	ug/l	7.9	10000	
V	51	45	He	194.740	ug/l	2.1	5000	
Cr	52	45	He	93.547	ug/l	0.9	20000	
Mn	55	45	He	78.514	ug/l	3.4	20000	
Fe	56	45	H2	71.591	ug/l	2.9	500000	
Co	59	45	He	0.364	ug/l	7.4	2000	
Ni	60	45	He	0.356	ug/l	41.9	20000	
Cu	63	45	He	2.844	ug/l	5.8	20000	
Zn	66	45	He	3.508	ug/l	13.9	20000	
As	75	45	He	17.989	ug/l	6.8	5000	
Se	78	45	H2	0.559	ug/l	42.2	3000	
Sr	88	115	He	10.346	ug/l	2.6	5000	
Mo	95	115	He	7.676	ug/l	3.6	2000	
Ag	107	115	He	0.011	ug/l	28.6	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	1.123	ug/l	23.3	2000	
Sb	121	115	He	0.090	ug/l	41.4	1000	
Ba	137	159	He	2.466	ug/l	6.4	20000	
Tl	205	209	He	-0.039	ug/l	N/A	1000	
[Pb]	206	209	He	0.189	ug/l	16.9		
[Pb]	207	209	He	0.166	ug/l	17.9		
Pb	208	209	He	0.194	ug/l	3.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8358750.64	1.5	88.8	60	125	
Sc (ISICPMS)	45	No Gas	5822178.04	0.9	83.5	60	125	
Sc (ISICPMS)	45	H2	2202092.35	0.8	83.0	60	125	
Sc (ISICPMS)	45	He	88780.41	1.1	82.7	60	125	
Ge (IS)	74	H2	425375.94	0.5	84.1	60	125	
Ge (IS)	74	He	48486.37	0.8	87.3	60	125	
Kr	83	He	6.67	173.2	200.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	105483.16	0.8	84.5	60	125	
Tb (IS)	159	He	652757.60	1.1	88.3	60	125	
Bi (IS)	209	He	553430.76	1.0	84.4	60	125	

DRAFT

Sample Report

File Name 126SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 16:29:21

Sample Name **460-306510-E-9-B@2**

Comment ---

Dilution **1.0000**

Vial # 3203

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.027	ug/l	27.6	2000	
B	11	6	No Gas	39.569	ug/l	1.5	2000	
Na	23	45	He	947689.000	ug/l	1.5	500000	>LDR 6020B□>LDR 200.8
Mg	24	45	He	18403.900	ug/l	0.5	500000	
Al	27	45	He	342.197	ug/l	1.9	500000	
K	39	45	He	5273.506	ug/l	1.0	500000	
Ca	40	45	H2	88506.125	ug/l	0.7	1000000	
Ti	47	45	No Gas	8.330	ug/l	5.8	10000	
V	51	45	He	22.150	ug/l	1.8	5000	
Cr	52	45	He	12.872	ug/l	1.2	20000	
Mn	55	45	He	5166.625	ug/l	0.7	20000	
Fe	56	45	H2	309.719	ug/l	1.0	500000	
Co	59	45	He	9.625	ug/l	1.2	2000	
Ni	60	45	He	28.093	ug/l	3.1	20000	
Cu	63	45	He	34.404	ug/l	1.9	20000	
Zn	66	45	He	5.083	ug/l	6.9	20000	
As	75	45	He	4.226	ug/l	21.5	5000	
Se	78	45	H2	1.374	ug/l	10.6	3000	
Sr	88	115	He	555.921	ug/l	2.1	5000	
Mo	95	115	He	9.654	ug/l	3.5	2000	
Ag	107	115	He	0.062	ug/l	38.9	1000	
Cd	111	115	He	0.445	ug/l	33.8	5000	
Sn	118	115	He	0.189	ug/l	72.5	2000	
Sb	121	115	He	0.336	ug/l	23.9	1000	
Ba	137	159	He	26.542	ug/l	4.5	20000	
Tl	205	209	He	-0.042	ug/l	N/A	1000	
[Pb]	206	209	He	0.927	ug/l	3.2		
[Pb]	207	209	He	0.774	ug/l	3.8		
Pb	208	209	He	0.846	ug/l	4.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8550615.57	0.1	90.8	60	125	
Sc (ISICPMS)	45	No Gas	5980747.55	1.0	85.8	60	125	
Sc (ISICPMS)	45	H2	2273350.35	1.1	85.7	60	125	
Sc (ISICPMS)	45	He	92882.11	0.2	86.5	60	125	
Ge (IS)	74	H2	437976.00	0.7	86.6	60	125	
Ge (IS)	74	He	50746.82	1.0	91.3	60	125	
Kr	83	He	6.67	86.6	200.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	112127.75	1.1	89.8	60	125	
Tb (IS)	159	He	710051.46	1.1	96.0	60	125	
Bi (IS)	209	He	597734.45	1.4	91.1	60	125	

DRAFT

Sample Report

File Name 127SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 16:31:53

Sample Name **460-306510-E-10-B@2**

Comment ---

Dilution **1.0000**

Vial # 3204

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.003	ug/l	N/A	2000	
B	11	6	No Gas	0.093	ug/l	13.2	2000	
Na	23	45	He	972.249	ug/l	2.3	500000	
Mg	24	45	He	0.432	ug/l	91.5	500000	
Al	27	45	He	1.681	ug/l	91.2	500000	
K	39	45	He	-4.468	ug/l	N/A	500000	
Ca	40	45	H2	25.259	ug/l	1.7	1000000	
Ti	47	45	No Gas	-0.487	ug/l	N/A	10000	
V	51	45	He	-0.258	ug/l	N/A	5000	
Cr	52	45	He	-0.212	ug/l	N/A	20000	
Mn	55	45	He	0.523	ug/l	20.4	20000	
Fe	56	45	H2	1.223	ug/l	13.7	500000	
Co	59	45	He	-0.006	ug/l	N/A	2000	
Ni	60	45	He	-0.151	ug/l	N/A	20000	
Cu	63	45	He	0.344	ug/l	14.0	20000	
Zn	66	45	He	0.822	ug/l	42.1	20000	
As	75	45	He	-0.289	ug/l	N/A	5000	
Se	78	45	H2	-0.051	ug/l	N/A	3000	
Sr	88	115	He	0.156	ug/l	26.1	5000	
Mo	95	115	He	0.044	ug/l	66.1	2000	
Ag	107	115	He	0.018	ug/l	19.3	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	0.048	ug/l	342.8	2000	
Sb	121	115	He	0.022	ug/l	72.6	1000	
Ba	137	159	He	0.355	ug/l	18.5	20000	
Tl	205	209	He	-0.042	ug/l	N/A	1000	
[Pb]	206	209	He	0.001	ug/l	986.1		
[Pb]	207	209	He	-0.007	ug/l	N/A		
Pb	208	209	He	0.007	ug/l	101.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9357999.86	1.6	99.4	60	125	
Sc (ISICPMS)	45	No Gas	6492520.25	1.2	93.2	60	125	
Sc (ISICPMS)	45	H2	2434848.07	0.5	91.8	60	125	
Sc (ISICPMS)	45	He	100485.32	0.5	93.6	60	125	
Ge (IS)	74	H2	461712.54	0.7	91.3	60	125	
Ge (IS)	74	He	52115.19	2.0	93.8	60	125	
Kr	83	He	6.67	86.6	200.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	123272.39	0.9	98.7	60	125	
Tb (IS)	159	He	737715.48	0.3	99.8	60	125	
Bi (IS)	209	He	658842.28	0.8	100.4	60	125	

DRAFT

Sample Report

File Name 128SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 16:34:23

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.002	ug/l	N/A	2000	
B	11	6	No Gas	0.297	ug/l	43.5	2000	
Na	23	45	He	735.168	ug/l	1.5	500000	
Mg	24	45	He	0.464	ug/l	103.3	500000	
Al	27	45	He	-1.031	ug/l	N/A	500000	
K	39	45	He	-1.612	ug/l	N/A	500000	
Ca	40	45	H2	18.796	ug/l	3.5	1000000	
Ti	47	45	No Gas	-0.461	ug/l	N/A	10000	
V	51	45	He	-0.400	ug/l	N/A	5000	
Cr	52	45	He	-0.006	ug/l	N/A	20000	
Mn	55	45	He	0.331	ug/l	28.4	20000	
Fe	56	45	H2	0.404	ug/l	54.2	500000	
Co	59	45	He	-0.006	ug/l	N/A	2000	
Ni	60	45	He	-0.263	ug/l	N/A	20000	
Cu	63	45	He	0.070	ug/l	37.0	20000	
Zn	66	45	He	0.019	ug/l	3312.6	20000	
As	75	45	He	-0.121	ug/l	N/A	5000	
Se	78	45	H2	-0.061	ug/l	N/A	3000	
Sr	88	115	He	0.153	ug/l	53.7	5000	
Mo	95	115	He	0.023	ug/l	172.1	2000	
Ag	107	115	He	0.000	ug/l	1727.7	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	0.061	ug/l	170.7	2000	
Sb	121	115	He	-0.001	ug/l	N/A	1000	
Ba	137	159	He	0.293	ug/l	6.2	20000	
Tl	205	209	He	-0.044	ug/l	N/A	1000	
[Pb]	206	209	He	-0.013	ug/l	N/A		
[Pb]	207	209	He	-0.022	ug/l	N/A		
Pb	208	209	He	-0.008	ug/l	N/A	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9334273.61	1.1	99.1	60	125	
Sc (ISICPMS)	45	No Gas	6533340.11	0.5	93.7	60	125	
Sc (ISICPMS)	45	H2	2445180.80	1.2	92.2	60	125	
Sc (ISICPMS)	45	He	98981.35	0.3	92.2	60	125	
Ge (IS)	74	H2	463282.97	1.2	91.6	60	125	
Ge (IS)	74	He	52524.89	0.7	94.5	60	125	
Kr	83	He	3.34	173.2	100.0			

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Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	122464.18	0.5	98.1	60	125	
Tb (IS)	159	He	730424.01	0.7	98.8	60	125	
Bi (IS)	209	He	646209.10	1.0	98.5	60	125	

DRAFT

Sample Report

File Name 129SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 16:36:53

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.001	ug/l	N/A	2000	
B	11	6	No Gas	0.265	ug/l	39.7	2000	
Na	23	45	He	592.703	ug/l	2.4	500000	
Mg	24	45	He	-0.032	ug/l	N/A	500000	
Al	27	45	He	-0.025	ug/l	N/A	500000	
K	39	45	He	6.973	ug/l	231.7	500000	
Ca	40	45	H2	17.769	ug/l	2.7	1000000	
Ti	47	45	No Gas	-0.621	ug/l	N/A	10000	
V	51	45	He	-0.450	ug/l	N/A	5000	
Cr	52	45	He	-0.221	ug/l	N/A	20000	
Mn	55	45	He	0.355	ug/l	40.6	20000	
Fe	56	45	H2	0.057	ug/l	409.5	500000	
Co	59	45	He	-0.004	ug/l	N/A	2000	
Ni	60	45	He	-0.157	ug/l	N/A	20000	
Cu	63	45	He	0.091	ug/l	44.3	20000	
Zn	66	45	He	0.248	ug/l	92.3	20000	
As	75	45	He	-0.267	ug/l	N/A	5000	
Se	78	45	H2	-0.013	ug/l	N/A	3000	
Sr	88	115	He	0.104	ug/l	51.6	5000	
Mo	95	115	He	0.062	ug/l	39.4	2000	
Ag	107	115	He	0.003	ug/l	83.3	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	0.364	ug/l	123.6	2000	
Sb	121	115	He	0.015	ug/l	112.7	1000	
Ba	137	159	He	0.165	ug/l	51.3	20000	
Tl	205	209	He	-0.045	ug/l	N/A	1000	
[Pb]	206	209	He	-0.011	ug/l	N/A		
[Pb]	207	209	He	-0.014	ug/l	N/A		
Pb	208	209	He	-0.006	ug/l	N/A	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9309525.48	1.0	98.9	60	125	
Sc (ISICPMS)	45	No Gas	6472989.14	0.5	92.9	60	125	
Sc (ISICPMS)	45	H2	2426762.41	0.6	91.5	60	125	
Sc (ISICPMS)	45	He	97801.08	0.3	91.1	60	125	
Ge (IS)	74	H2	463276.13	0.7	91.6	60	125	
Ge (IS)	74	He	52102.87	0.5	93.8	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	119576.77	0.9	95.8	60	125	
Tb (IS)	159	He	717509.41	1.2	97.1	60	125	
Bi (IS)	209	He	642107.47	1.3	97.9	60	125	

DRAFT

Sample Report

File Name 130SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 16:39:23

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.003	ug/l	N/A	2000	
B	11	6	No Gas	0.113	ug/l	118.0	2000	
Na	23	45	He	490.865	ug/l	1.0	500000	
Mg	24	45	He	-0.219	ug/l	N/A	500000	
Al	27	45	He	-1.051	ug/l	N/A	500000	
K	39	45	He	5.300	ug/l	177.0	500000	
Ca	40	45	H2	17.198	ug/l	3.3	1000000	
Ti	47	45	No Gas	-0.597	ug/l	N/A	10000	
V	51	45	He	-0.477	ug/l	N/A	5000	
Cr	52	45	He	-0.027	ug/l	N/A	20000	
Mn	55	45	He	0.449	ug/l	13.4	20000	
Fe	56	45	H2	-0.155	ug/l	N/A	500000	
Co	59	45	He	-0.008	ug/l	N/A	2000	
Ni	60	45	He	-0.112	ug/l	N/A	20000	
Cu	63	45	He	0.042	ug/l	103.1	20000	
Zn	66	45	He	0.306	ug/l	31.0	20000	
As	75	45	He	-0.246	ug/l	N/A	5000	
Se	78	45	H2	-0.021	ug/l	N/A	3000	
Sr	88	115	He	0.056	ug/l	94.8	5000	
Mo	95	115	He	0.030	ug/l	64.1	2000	
Ag	107	115	He	0.000	ug/l	918.3	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	-0.072	ug/l	N/A	2000	
Sb	121	115	He	0.026	ug/l	163.7	1000	
Ba	137	159	He	0.198	ug/l	72.7	20000	
Tl	205	209	He	-0.046	ug/l	N/A	1000	
[Pb]	206	209	He	-0.004	ug/l	N/A		
[Pb]	207	209	He	-0.027	ug/l	N/A		
Pb	208	209	He	-0.007	ug/l	N/A	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9124188.89	0.6	96.9	60	125	
Sc (ISICPMS)	45	No Gas	6397360.60	1.0	91.8	60	125	
Sc (ISICPMS)	45	H2	2407235.90	1.2	90.7	60	125	
Sc (ISICPMS)	45	He	96285.37	0.8	89.7	60	125	
Ge (IS)	74	H2	455693.86	1.4	90.1	60	125	
Ge (IS)	74	He	51351.37	1.5	92.4	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	118024.85	1.8	94.5	60	125	
Tb (IS)	159	He	709858.09	0.7	96.0	60	125	
Bi (IS)	209	He	635163.16	1.3	96.8	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 131_Blk.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 16:41:53

Sample Name **CCB**

Comment ---

Dilution 1.0000

Analyte Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	-0.001	ug/l	N/A	0.8	-0.8	0.8	
B	11	6	No Gas	0.235	ug/l	61.4	40	-40	40	
Na	23	45	He	402.801	ug/l	3.0	500	-500	500	
Mg	24	45	He	-0.173	ug/l	N/A	200	-200	200	
Al	27	45	He	-0.041	ug/l	N/A	40	-40	40	
K	39	45	He	5.479	ug/l	108.0	200	-200	200	
Ca	40	45	H2	15.678	ug/l	1.8	500	-500	500	
Ti	47	45	No Gas	-0.574	ug/l	N/A	4	-4	4	
V	51	45	He	-0.417	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.199	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.260	ug/l	22.0	8	-8	8	
Fe	56	45	H2	0.279	ug/l	64.7	60	-60	60	
Co	59	45	He	-0.004	ug/l	N/A	4	-4	4	
Ni	60	45	He	-0.195	ug/l	N/A	4	-4	4	
Cu	63	45	He	0.124	ug/l	23.7	4	-4	4	
Zn	66	45	He	0.198	ug/l	209.9	16	-16	16	
As	75	45	He	-0.347	ug/l	N/A	2	-2	2	
Se	78	45	H2	-0.022	ug/l	N/A	2.5	-2.5	2.5	
Sr	88	115	He	0.077	ug/l	68.5	4	-4	4	
Mo	95	115	He	0.018	ug/l	49.3	4	-4	4	
Ag	107	115	He	0.003	ug/l	132.7	2	-2	2	
Cd	111	115	He	0.000	ug/l	N/A	2	-2	2	
Sn	118	115	He	-0.031	ug/l	N/A	16	-16	16	
Sb	121	115	He	0.028	ug/l	72.6	2	-2	2	
Ba	137	159	He	0.181	ug/l	56.7	4	-4	4	
Tl	205	209	He	-0.044	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	-0.024	ug/l	N/A				
[Pb]	207	209	He	-0.033	ug/l	N/A				
Pb	208	209	He	-0.015	ug/l	N/A	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	9013518.20	0.2	95.7	60	125	
Sc (ISICPMS)	45	No Gas	6366341.23	1.3	91.3	60	125	
Sc (ISICPMS)	45	H2	2405209.15	0.2	90.6	60	125	
Sc (ISICPMS)	45	He	95595.77	1.3	89.0	60	125	
Ge (IS)	74	H2	452308.08	0.8	89.5	60	125	
Ge (IS)	74	He	50319.55	1.0	90.6	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	116987.18	0.4	93.7	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	702770.40	0.7	95.1	60	125	
Bi (IS)	209	He	632005.83	0.9	96.3	60	125	

DRAFT

Sample Report

File Name 132SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 16:44:22

Sample Name **460-306964-D-1-B**

Comment ---

Dilution **1.0000**

Vial # 3205

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.219	ug/l	8.4	2000	
B	11	6	No Gas	139.135	ug/l	1.0	2000	
Na	23	45	He	175704.183	ug/l	1.7	500000	
Mg	24	45	He	11213.554	ug/l	1.8	500000	
Al	27	45	He	2274.282	ug/l	2.2	500000	
K	39	45	He	6764.883	ug/l	1.7	500000	
Ca	40	45	H2	41068.427	ug/l	1.0	1000000	
Ti	47	45	No Gas	108.440	ug/l	0.5	10000	
V	51	45	He	259.791	ug/l	2.4	5000	
Cr	52	45	He	34.424	ug/l	2.3	20000	
Mn	55	45	He	205.485	ug/l	2.9	20000	
Fe	56	45	H2	31349.834	ug/l	1.1	500000	
Co	59	45	He	2.194	ug/l	6.7	2000	
Ni	60	45	He	7.513	ug/l	3.3	20000	
Cu	63	45	He	47.777	ug/l	1.6	20000	
Zn	66	45	He	81.156	ug/l	2.0	20000	
As	75	45	He	19.054	ug/l	7.6	5000	
Se	78	45	H2	1.170	ug/l	24.2	3000	
Sr	88	115	He	391.030	ug/l	0.5	5000	
Mo	95	115	He	2.104	ug/l	9.2	2000	
Ag	107	115	He	0.180	ug/l	8.6	1000	
Cd	111	115	He	0.272	ug/l	49.1	5000	
Sn	118	115	He	19.209	ug/l	3.3	2000	
Sb	121	115	He	1.462	ug/l	6.0	1000	
Ba	137	159	He	188.296	ug/l	1.5	20000	
Tl	205	209	He	0.043	ug/l	19.6	1000	
[Pb]	206	209	He	72.844	ug/l	1.3		
[Pb]	207	209	He	71.015	ug/l	0.5		
Pb	208	209	He	71.946	ug/l	0.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8367276.89	0.5	88.9	60	125	
Sc (ISICPMS)	45	No Gas	6022716.79	0.7	86.4	60	125	
Sc (ISICPMS)	45	H2	2275042.95	1.3	85.7	60	125	
Sc (ISICPMS)	45	He	88567.81	1.5	82.5	60	125	
Ge (IS)	74	H2	442734.91	1.4	87.6	60	125	
Ge (IS)	74	He	50269.63	1.0	90.5	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	106853.19	0.2	85.6	60	125	
Tb (IS)	159	He	678357.39	0.5	91.8	60	125	
Bi (IS)	209	He	594565.48	0.6	90.6	60	125	

DRAFT

Sample Report

File Name 133SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 16:46:54

Sample Name **460-306964-D-2-B@5**

Comment ---

Dilution **1.0000**

Vial # 3206

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.930	ug/l	2.9	2000	
B	11	6	No Gas	22.302	ug/l	1.7	2000	
Na	23	45	He	8576.355	ug/l	0.6	500000	
Mg	24	45	He	1925.348	ug/l	0.8	500000	
Al	27	45	He	6055.503	ug/l	0.6	500000	
K	39	45	He	1518.202	ug/l	0.3	500000	
Ca	40	45	H2	7451.105	ug/l	1.3	1000000	
Ti	47	45	No Gas	159.921	ug/l	1.4	10000	
V	51	45	He	24.198	ug/l	1.6	5000	
Cr	52	45	He	59.401	ug/l	0.9	20000	
Mn	55	45	He	32.947	ug/l	1.8	20000	
Fe	56	45	H2	15705.739	ug/l	0.9	500000	
Co	59	45	He	8.358	ug/l	1.5	2000	
Ni	60	45	He	30.160	ug/l	1.7	20000	
Cu	63	45	He	79.530	ug/l	0.5	20000	
Zn	66	45	He	188.010	ug/l	0.3	20000	
As	75	45	He	38.366	ug/l	6.5	5000	
Se	78	45	H2	3.282	ug/l	7.4	3000	
Sr	88	115	He	152.510	ug/l	1.2	5000	
Mo	95	115	He	4.278	ug/l	5.8	2000	
Ag	107	115	He	0.139	ug/l	7.7	1000	
Cd	111	115	He	0.546	ug/l	9.9	5000	
Sn	118	115	He	5.768	ug/l	4.7	2000	
Sb	121	115	He	1.437	ug/l	18.8	1000	
Ba	137	159	He	137.168	ug/l	2.9	20000	
Tl	205	209	He	-0.031	ug/l	N/A	1000	
[Pb]	206	209	He	60.764	ug/l	0.2		
[Pb]	207	209	He	59.027	ug/l	0.1		
Pb	208	209	He	59.988	ug/l	0.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8365501.26	0.2	88.9	60	125	
Sc (ISICPMS)	45	No Gas	5933308.32	1.2	85.1	60	125	
Sc (ISICPMS)	45	H2	2238555.24	0.8	84.4	60	125	
Sc (ISICPMS)	45	He	87525.95	0.6	81.5	60	125	
Ge (IS)	74	H2	437553.39	0.9	86.5	60	125	
Ge (IS)	74	He	49059.54	1.5	88.3	60	125	
Kr	83	He	6.67	86.6	200.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	106537.37	0.4	85.3	60	125	
Tb (IS)	159	He	661918.12	0.4	89.5	60	125	
Bi (IS)	209	He	595101.35	0.3	90.7	60	125	

DRAFT

Sample Report

File Name 134SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 16:49:25

Sample Name **460-306964-D-3-B**

Comment ---

Dilution **1.0000**

Vial # 3207

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.063	ug/l	25.9	2000	
B	11	6	No Gas	635.721	ug/l	0.8	2000	
Na	23	45	He	1512933.996	ug/l	2.3	500000	>LDR 6020B□>LDR 200.8
Mg	24	45	He	211619.879	ug/l	3.1	500000	
Al	27	45	He	354.706	ug/l	11.2	500000	
K	39	45	He	46173.250	ug/l	2.6	500000	
Ca	40	45	H2	118375.581	ug/l	1.9	1000000	
Ti	47	45	No Gas	19.081	ug/l	31.2	10000	
V	51	45	He	5.242	ug/l	5.2	5000	
Cr	52	45	He	21.520	ug/l	3.1	20000	
Mn	55	45	He	318.832	ug/l	2.4	20000	
Fe	56	45	H2	47476.468	ug/l	1.3	500000	
Co	59	45	He	0.503	ug/l	9.1	2000	
Ni	60	45	He	1.231	ug/l	14.6	20000	
Cu	63	45	He	1.563	ug/l	5.3	20000	
Zn	66	45	He	4.763	ug/l	16.4	20000	
As	75	45	He	6.399	ug/l	22.6	5000	
Se	78	45	H2	0.133	ug/l	73.8	3000	
Sr	88	115	He	1435.165	ug/l	2.5	5000	
Mo	95	115	He	5.781	ug/l	3.3	2000	
Ag	107	115	He	0.021	ug/l	20.4	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	1.417	ug/l	16.7	2000	
Sb	121	115	He	0.425	ug/l	10.6	1000	
Ba	137	159	He	458.634	ug/l	5.6	20000	
Tl	205	209	He	-0.041	ug/l	N/A	1000	
[Pb]	206	209	He	0.441	ug/l	11.2		
[Pb]	207	209	He	0.424	ug/l	19.6		
Pb	208	209	He	0.442	ug/l	5.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	7959443.14	0.5	84.5	60	125	
Sc (ISICPMS)	45	No Gas	5812601.93	0.7	83.4	60	125	
Sc (ISICPMS)	45	H2	2189195.38	0.5	82.5	60	125	
Sc (ISICPMS)	45	He	88275.00	2.2	82.2	60	125	
Ge (IS)	74	H2	413229.41	0.7	81.7	60	125	
Ge (IS)	74	He	47771.52	0.7	86.0	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	104666.15	1.2	83.8	60	125	
Tb (IS)	159	He	656926.41	2.8	88.9	60	125	
Bi (IS)	209	He	547664.50	1.2	83.5	60	125	

DRAFT

Sample Report

File Name 135SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 16:51:58

Sample Name **460-306964-D-4-B**

Comment ---

Dilution **1.0000**

Vial # 3208

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.066	ug/l	15.4	2000	
B	11	6	No Gas	572.904	ug/l	1.0	2000	
Na	23	45	He	1220821.984	ug/l	1.4	500000	>LDR 6020B□>LDR 200.8
Mg	24	45	He	171937.306	ug/l	3.5	500000	
Al	27	45	He	581.341	ug/l	6.6	500000	
K	39	45	He	39836.853	ug/l	2.8	500000	
Ca	40	45	H2	103177.400	ug/l	1.7	1000000	
Ti	47	45	No Gas	26.403	ug/l	6.9	10000	
V	51	45	He	5.171	ug/l	5.6	5000	
Cr	52	45	He	30.826	ug/l	4.0	20000	
Mn	55	45	He	274.760	ug/l	2.1	20000	
Fe	56	45	H2	38345.937	ug/l	2.8	500000	
Co	59	45	He	0.515	ug/l	10.4	2000	
Ni	60	45	He	1.442	ug/l	9.4	20000	
Cu	63	45	He	1.911	ug/l	7.7	20000	
Zn	66	45	He	5.626	ug/l	9.7	20000	
As	75	45	He	5.400	ug/l	9.8	5000	
Se	78	45	H2	0.271	ug/l	9.7	3000	
Sr	88	115	He	1215.169	ug/l	1.7	5000	
Mo	95	115	He	7.284	ug/l	7.5	2000	
Ag	107	115	He	0.019	ug/l	29.7	1000	
Cd	111	115	He	0.025	ug/l	115.4	5000	
Sn	118	115	He	1.982	ug/l	1.7	2000	
Sb	121	115	He	0.543	ug/l	12.9	1000	
Ba	137	159	He	372.491	ug/l	4.0	20000	
Tl	205	209	He	-0.038	ug/l	N/A	1000	
[Pb]	206	209	He	0.579	ug/l	11.7		
[Pb]	207	209	He	0.595	ug/l	11.0		
Pb	208	209	He	0.576	ug/l	6.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8198304.53	0.3	87.1	60	125	
Sc (ISICPMS)	45	No Gas	5906529.57	0.4	84.8	60	125	
Sc (ISICPMS)	45	H2	2268268.77	1.5	85.5	60	125	
Sc (ISICPMS)	45	He	90725.56	1.5	84.5	60	125	
Ge (IS)	74	H2	434353.95	0.0	85.9	60	125	
Ge (IS)	74	He	49046.20	2.0	88.3	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	107813.98	1.2	86.3	60	125	
Tb (IS)	159	He	673093.54	1.5	91.0	60	125	
Bi (IS)	209	He	563278.57	1.1	85.9	60	125	

DRAFT

Sample Report

File Name 136SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 16:54:29

Sample Name **460-306964-D-5-B**

Comment ---

Dilution **1.0000**

Vial # 3209

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.268	ug/l	5.5	2000	
B	11	6	No Gas	210.837	ug/l	1.1	2000	
Na	23	45	He	198945.729	ug/l	0.3	500000	
Mg	24	45	He	17089.558	ug/l	0.2	500000	
Al	27	45	He	1531.026	ug/l	0.3	500000	
K	39	45	He	9321.119	ug/l	1.0	500000	
Ca	40	45	H2	64421.730	ug/l	1.0	1000000	
Ti	47	45	No Gas	29.615	ug/l	2.9	10000	
V	51	45	He	3.566	ug/l	4.6	5000	
Cr	52	45	He	4.187	ug/l	5.8	20000	
Mn	55	45	He	241.869	ug/l	0.8	20000	
Fe	56	45	H2	37898.232	ug/l	0.6	500000	
Co	59	45	He	1.649	ug/l	3.3	2000	
Ni	60	45	He	6.056	ug/l	6.7	20000	
Cu	63	45	He	26.425	ug/l	0.6	20000	
Zn	66	45	He	115.822	ug/l	2.5	20000	
As	75	45	He	50.915	ug/l	2.1	5000	
Se	78	45	H2	1.520	ug/l	11.8	3000	
Sr	88	115	He	513.892	ug/l	1.5	5000	
Mo	95	115	He	2.320	ug/l	1.4	2000	
Ag	107	115	He	0.058	ug/l	6.0	1000	
Cd	111	115	He	0.537	ug/l	28.5	5000	
Sn	118	115	He	1.054	ug/l	0.9	2000	
Sb	121	115	He	1.382	ug/l	2.6	1000	
Ba	137	159	He	136.178	ug/l	1.6	20000	
Tl	205	209	He	0.038	ug/l	22.0	1000	
[Pb]	206	209	He	7.057	ug/l	1.2		
[Pb]	207	209	He	6.795	ug/l	1.2		
Pb	208	209	He	6.854	ug/l	1.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8506260.57	0.7	90.4	60	125	
Sc (ISICPMS)	45	No Gas	6093341.44	0.5	87.4	60	125	
Sc (ISICPMS)	45	H2	2344874.86	0.4	88.4	60	125	
Sc (ISICPMS)	45	He	92120.12	0.9	85.8	60	125	
Ge (IS)	74	H2	456054.61	0.6	90.2	60	125	
Ge (IS)	74	He	51896.69	1.3	93.4	60	125	
Kr	83	He	6.67	173.2	200.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	110007.52	2.2	88.1	60	125	
Tb (IS)	159	He	683248.84	1.8	92.4	60	125	
Bi (IS)	209	He	594250.76	2.1	90.6	60	125	

DRAFT

Sample Report

File Name 137SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 16:57:00

Sample Name **460-306964-D-6-B**

Comment ---

Dilution **1.0000**

Vial # 3210

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.043	ug/l	4.4	2000	
B	11	6	No Gas	170.778	ug/l	1.1	2000	
Na	23	45	He	155146.199	ug/l	0.9	500000	
Mg	24	45	He	17618.215	ug/l	1.1	500000	
Al	27	45	He	345.882	ug/l	1.3	500000	
K	39	45	He	8996.414	ug/l	1.7	500000	
Ca	40	45	H2	65653.092	ug/l	0.5	1000000	
Ti	47	45	No Gas	15.135	ug/l	5.6	10000	
V	51	45	He	0.661	ug/l	24.2	5000	
Cr	52	45	He	2.746	ug/l	5.2	20000	
Mn	55	45	He	205.133	ug/l	0.2	20000	
Fe	56	45	H2	19546.659	ug/l	0.4	500000	
Co	59	45	He	0.425	ug/l	19.6	2000	
Ni	60	45	He	1.582	ug/l	8.7	20000	
Cu	63	45	He	3.468	ug/l	0.8	20000	
Zn	66	45	He	18.583	ug/l	5.3	20000	
As	75	45	He	3.032	ug/l	7.1	5000	
Se	78	45	H2	0.090	ug/l	84.8	3000	
Sr	88	115	He	434.175	ug/l	0.9	5000	
Mo	95	115	He	0.295	ug/l	30.0	2000	
Ag	107	115	He	0.030	ug/l	18.4	1000	
Cd	111	115	He	0.080	ug/l	58.3	5000	
Sn	118	115	He	0.689	ug/l	18.3	2000	
Sb	121	115	He	0.138	ug/l	33.0	1000	
Ba	137	159	He	107.231	ug/l	2.2	20000	
Tl	205	209	He	-0.027	ug/l	N/A	1000	
[Pb]	206	209	He	2.302	ug/l	1.8		
[Pb]	207	209	He	2.117	ug/l	1.8		
Pb	208	209	He	2.218	ug/l	1.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8546173.14	1.1	90.8	60	125	
Sc (ISICPMS)	45	No Gas	6111669.35	0.7	87.7	60	125	
Sc (ISICPMS)	45	H2	2345516.56	0.3	88.4	60	125	
Sc (ISICPMS)	45	He	92539.00	0.6	86.2	60	125	
Ge (IS)	74	H2	452478.64	0.4	89.5	60	125	
Ge (IS)	74	He	50620.79	1.2	91.1	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	109845.18	0.7	88.0	60	125	
Tb (IS)	159	He	683601.61	1.1	92.5	60	125	
Bi (IS)	209	He	597628.55	1.2	91.1	60	125	

DRAFT

Sample Report

File Name 138SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 16:59:30

Sample Name **460-306964-D-7-B**

Comment ---

Dilution **1.0000**

Vial # 3211

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.173	ug/l	1.6	2000	
B	11	6	No Gas	188.222	ug/l	0.4	2000	
Na	23	45	He	132567.789	ug/l	1.4	500000	
Mg	24	45	He	17137.373	ug/l	0.8	500000	
Al	27	45	He	1196.501	ug/l	1.8	500000	
K	39	45	He	8820.859	ug/l	1.3	500000	
Ca	40	45	H2	60830.043	ug/l	0.6	1000000	
Ti	47	45	No Gas	57.518	ug/l	1.3	10000	
V	51	45	He	6.395	ug/l	1.6	5000	
Cr	52	45	He	6.832	ug/l	5.5	20000	
Mn	55	45	He	213.836	ug/l	0.8	20000	
Fe	56	45	H2	22091.897	ug/l	0.2	500000	
Co	59	45	He	2.016	ug/l	5.5	2000	
Ni	60	45	He	7.442	ug/l	4.4	20000	
Cu	63	45	He	36.607	ug/l	0.5	20000	
Zn	66	45	He	191.307	ug/l	2.4	20000	
As	75	45	He	22.808	ug/l	5.1	5000	
Se	78	45	H2	0.923	ug/l	13.1	3000	
Sr	88	115	He	426.526	ug/l	0.6	5000	
Mo	95	115	He	2.532	ug/l	4.1	2000	
Ag	107	115	He	0.140	ug/l	13.3	1000	
Cd	111	115	He	0.373	ug/l	18.3	5000	
Sn	118	115	He	4.662	ug/l	7.4	2000	
Sb	121	115	He	2.958	ug/l	4.0	1000	
Ba	137	159	He	115.524	ug/l	2.8	20000	
Tl	205	209	He	-0.001	ug/l	N/A	1000	
[Pb]	206	209	He	57.096	ug/l	1.3		
[Pb]	207	209	He	54.836	ug/l	1.0		
Pb	208	209	He	55.679	ug/l	0.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8517779.73	0.7	90.5	60	125	
Sc (ISICPMS)	45	No Gas	6110653.87	0.4	87.7	60	125	
Sc (ISICPMS)	45	H2	2337610.71	0.4	88.1	60	125	
Sc (ISICPMS)	45	He	91506.56	0.6	85.2	60	125	
Ge (IS)	74	H2	449801.52	0.8	89.0	60	125	
Ge (IS)	74	He	50392.09	0.6	90.7	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	108804.05	0.6	87.1	60	125	
Tb (IS)	159	He	684543.05	0.7	92.6	60	125	
Bi (IS)	209	He	595717.68	1.2	90.8	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 139_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 17:02:00

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	96.731	ug/l	2.4	100	90	110	
B	11	6	No Gas	250.035	ug/l	1.7	250	225	275	
Na	23	45	He	26173.027	ug/l	1.0	25000	22500	27500	
Mg	24	45	He	26134.379	ug/l	0.7	25000	22500	27500	
Al	27	45	He	25632.163	ug/l	2.0	25000	22500	27500	
K	39	45	He	25408.455	ug/l	1.0	25000	22500	27500	
Ca	40	45	H2	25665.072	ug/l	1.7	25000	22500	27500	
Ti	47	45	No Gas	99.460	ug/l	2.5	100	90	110	
V	51	45	He	100.829	ug/l	1.3	100	90	110	
Cr	52	45	He	100.563	ug/l	0.8	100	90	110	
Mn	55	45	He	103.133	ug/l	1.2	100	90	110	
Fe	56	45	H2	26121.308	ug/l	1.3	25000	22500	27500	
Co	59	45	He	101.873	ug/l	1.2	100	90	110	
Ni	60	45	He	100.837	ug/l	2.0	100	90	110	
Cu	63	45	He	102.639	ug/l	1.8	100	90	110	
Zn	66	45	He	257.803	ug/l	1.7	250	225	275	
As	75	45	He	102.608	ug/l	2.3	100	90	110	
Se	78	45	H2	103.647	ug/l	3.0	100	90	110	
Sr	88	115	He	98.518	ug/l	1.7	100	90	110	
Mo	95	115	He	100.114	ug/l	1.2	100	90	110	
Ag	107	115	He	50.265	ug/l	1.8	50	45	55	
Cd	111	115	He	101.995	ug/l	0.7	100	90	110	
Sn	118	115	He	102.182	ug/l	2.1	100	90	110	
Sb	121	115	He	101.873	ug/l	0.5	100	90	110	
Ba	137	159	He	100.744	ug/l	2.0	100	90	110	
Tl	205	209	He	101.656	ug/l	1.0	100	90	110	
[Pb]	206	209	He	102.948	ug/l	1.2				
[Pb]	207	209	He	102.017	ug/l	1.2				
Pb	208	209	He	102.377	ug/l	1.1	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	8647617.44	1.1	91.9	60	125	
Sc (ISICPMS)	45	No Gas	6136105.53	0.8	88.0	60	125	
Sc (ISICPMS)	45	H2	2288694.84	0.4	86.3	60	125	
Sc (ISICPMS)	45	He	91833.30	0.7	85.5	60	125	
Ge (IS)	74	H2	435994.74	0.4	86.2	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	49692.86	0.8	89.4	60	125	
Kr	83	He	6.67	86.6	200.0			
In-1	115	He	110591.52	1.7	88.6	60	125	
Tb (IS)	159	He	682644.36	1.3	92.3	60	125	
Bi (IS)	209	He	597134.86	0.4	91.0	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 140_Blk.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 17:04:29

Sample Name **CCB**

Comment ---

Dilution 1.0000

Analyte Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.011	ug/l	34.6	0.8	-0.8	0.8	
B	11	6	No Gas	5.465	ug/l	3.8	40	-40	40	
Na	23	45	He	191.832	ug/l	7.3	500	-500	500	
Mg	24	45	He	1.915	ug/l	22.0	200	-200	200	
Al	27	45	He	1.349	ug/l	139.2	40	-40	40	
K	39	45	He	5.784	ug/l	101.1	200	-200	200	
Ca	40	45	H2	11.343	ug/l	2.3	500	-500	500	
Ti	47	45	No Gas	0.592	ug/l	15.7	4	-4	4	
V	51	45	He	-0.618	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.274	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.080	ug/l	71.1	8	-8	8	
Fe	56	45	H2	3.184	ug/l	8.1	60	-60	60	
Co	59	45	He	-0.002	ug/l	N/A	4	-4	4	
Ni	60	45	He	-0.143	ug/l	N/A	4	-4	4	
Cu	63	45	He	0.055	ug/l	57.5	4	-4	4	
Zn	66	45	He	-0.210	ug/l	N/A	16	-16	16	
As	75	45	He	0.119	ug/l	218.4	2	-2	2	
Se	78	45	H2	0.355	ug/l	34.4	2.5	-2.5	2.5	
Sr	88	115	He	0.143	ug/l	41.3	4	-4	4	
Mo	95	115	He	0.133	ug/l	59.4	4	-4	4	
Ag	107	115	He	0.003	ug/l	109.5	2	-2	2	
Cd	111	115	He	0.006	ug/l	173.2	2	-2	2	
Sn	118	115	He	-0.096	ug/l	N/A	16	-16	16	
Sb	121	115	He	0.008	ug/l	70.7	2	-2	2	
Ba	137	159	He	0.133	ug/l	46.1	4	-4	4	
Tl	205	209	He	-0.026	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	-0.011	ug/l	N/A				
[Pb]	207	209	He	-0.029	ug/l	N/A				
Pb	208	209	He	-0.011	ug/l	N/A	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	8873187.58	0.5	94.3	60	125	
Sc (ISICPMS)	45	No Gas	6247926.71	0.4	89.6	60	125	
Sc (ISICPMS)	45	H2	2372863.99	1.3	89.4	60	125	
Sc (ISICPMS)	45	He	94353.07	1.3	87.9	60	125	
Ge (IS)	74	H2	444979.17	0.9	88.0	60	125	
Ge (IS)	74	He	49100.71	0.3	88.4	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	114710.64	1.2	91.9	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	698617.73	1.3	94.5	60	125	
Bi (IS)	209	He	627645.42	1.4	95.7	60	125	

DRAFT

Sample Report

File Name 141SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 17:06:59

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.005	ug/l	127.4	2000	
B	11	6	No Gas	2.715	ug/l	2.7	2000	
Na	23	45	He	173.481	ug/l	3.5	500000	
Mg	24	45	He	0.803	ug/l	32.1	500000	
Al	27	45	He	0.432	ug/l	44.3	500000	
K	39	45	He	11.860	ug/l	77.9	500000	
Ca	40	45	H2	12.955	ug/l	0.1	1000000	
Ti	47	45	No Gas	0.672	ug/l	42.2	10000	
V	51	45	He	-0.679	ug/l	N/A	5000	
Cr	52	45	He	-0.335	ug/l	N/A	20000	
Mn	55	45	He	0.087	ug/l	79.2	20000	
Fe	56	45	H2	1.115	ug/l	23.8	500000	
Co	59	45	He	-0.002	ug/l	N/A	2000	
Ni	60	45	He	-0.100	ug/l	N/A	20000	
Cu	63	45	He	0.043	ug/l	61.8	20000	
Zn	66	45	He	-0.040	ug/l	N/A	20000	
As	75	45	He	-0.241	ug/l	N/A	5000	
Se	78	45	H2	0.070	ug/l	25.6	3000	
Sr	88	115	He	0.148	ug/l	30.8	5000	
Mo	95	115	He	0.084	ug/l	37.2	2000	
Ag	107	115	He	0.002	ug/l	232.9	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	-0.044	ug/l	N/A	2000	
Sb	121	115	He	0.016	ug/l	188.5	1000	
Ba	137	159	He	0.064	ug/l	200.5	20000	
Tl	205	209	He	-0.039	ug/l	N/A	1000	
[Pb]	206	209	He	-0.020	ug/l	N/A		
[Pb]	207	209	He	-0.020	ug/l	N/A		
Pb	208	209	He	-0.012	ug/l	N/A	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8949518.97	0.4	95.1	60	125	
Sc (ISICPMS)	45	No Gas	6273588.03	1.1	90.0	60	125	
Sc (ISICPMS)	45	H2	2341032.12	0.9	88.2	60	125	
Sc (ISICPMS)	45	He	94554.70	0.6	88.1	60	125	
Ge (IS)	74	H2	439728.37	0.9	87.0	60	125	
Ge (IS)	74	He	49786.45	0.3	89.6	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	114697.29	1.3	91.9	60	125	
Tb (IS)	159	He	699608.97	0.4	94.6	60	125	
Bi (IS)	209	He	624801.27	0.6	95.2	60	125	

DRAFT

Sample Report

File Name 142SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 17:09:28

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.003	ug/l	120.0	2000	
B	11	6	No Gas	2.074	ug/l	5.0	2000	
Na	23	45	He	159.496	ug/l	1.2	500000	
Mg	24	45	He	0.737	ug/l	45.3	500000	
Al	27	45	He	-0.457	ug/l	N/A	500000	
K	39	45	He	7.968	ug/l	35.8	500000	
Ca	40	45	H2	14.226	ug/l	3.3	1000000	
Ti	47	45	No Gas	0.363	ug/l	54.0	10000	
V	51	45	He	-0.469	ug/l	N/A	5000	
Cr	52	45	He	-0.179	ug/l	N/A	20000	
Mn	55	45	He	0.094	ug/l	65.4	20000	
Fe	56	45	H2	1.051	ug/l	42.7	500000	
Co	59	45	He	-0.007	ug/l	N/A	2000	
Ni	60	45	He	-0.074	ug/l	N/A	20000	
Cu	63	45	He	0.005	ug/l	638.4	20000	
Zn	66	45	He	0.042	ug/l	1223.1	20000	
As	75	45	He	-0.102	ug/l	N/A	5000	
Se	78	45	H2	0.020	ug/l	266.3	3000	
Sr	88	115	He	0.098	ug/l	51.9	5000	
Mo	95	115	He	0.059	ug/l	27.2	2000	
Ag	107	115	He	0.000	ug/l	N/A	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	0.019	ug/l	915.2	2000	
Sb	121	115	He	0.020	ug/l	214.5	1000	
Ba	137	159	He	0.145	ug/l	62.8	20000	
Tl	205	209	He	-0.045	ug/l	N/A	1000	
[Pb]	206	209	He	-0.014	ug/l	N/A		
[Pb]	207	209	He	-0.030	ug/l	N/A		
Pb	208	209	He	-0.018	ug/l	N/A	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8942071.26	0.4	95.0	60	125	
Sc (ISICPMS)	45	No Gas	6289987.62	0.4	90.3	60	125	
Sc (ISICPMS)	45	H2	2348222.24	0.8	88.5	60	125	
Sc (ISICPMS)	45	He	94063.91	0.1	87.6	60	125	
Ge (IS)	74	H2	441427.05	0.9	87.3	60	125	
Ge (IS)	74	He	49664.02	0.4	89.4	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	114145.84	0.7	91.4	60	125	
Tb (IS)	159	He	692797.30	0.8	93.7	60	125	
Bi (IS)	209	He	622160.09	1.5	94.8	60	125	

DRAFT

Sample Report

File Name 143SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 17:11:58

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.003	ug/l	91.1	2000	
B	11	6	No Gas	1.694	ug/l	2.2	2000	
Na	23	45	He	175.563	ug/l	4.5	500000	
Mg	24	45	He	2.045	ug/l	24.1	500000	
Al	27	45	He	0.666	ug/l	151.9	500000	
K	39	45	He	9.183	ug/l	45.9	500000	
Ca	40	45	H2	17.757	ug/l	2.5	1000000	
Ti	47	45	No Gas	0.645	ug/l	21.6	10000	
V	51	45	He	-0.534	ug/l	N/A	5000	
Cr	52	45	He	-0.257	ug/l	N/A	20000	
Mn	55	45	He	0.124	ug/l	60.8	20000	
Fe	56	45	H2	3.381	ug/l	6.6	500000	
Co	59	45	He	-0.002	ug/l	N/A	2000	
Ni	60	45	He	-0.065	ug/l	N/A	20000	
Cu	63	45	He	0.048	ug/l	86.7	20000	
Zn	66	45	He	-0.129	ug/l	N/A	20000	
As	75	45	He	-0.188	ug/l	N/A	5000	
Se	78	45	H2	0.038	ug/l	119.5	3000	
Sr	88	115	He	0.081	ug/l	28.1	5000	
Mo	95	115	He	0.028	ug/l	102.9	2000	
Ag	107	115	He	0.000	ug/l	N/A	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	0.122	ug/l	427.7	2000	
Sb	121	115	He	0.003	ug/l	1966.8	1000	
Ba	137	159	He	0.492	ug/l	15.9	20000	
Tl	205	209	He	-0.016	ug/l	N/A	1000	
[Pb]	206	209	He	0.022	ug/l	29.3		
[Pb]	207	209	He	0.000	ug/l	N/A		
Pb	208	209	He	0.016	ug/l	75.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8900693.89	0.5	94.5	60	125	
Sc (ISICPMS)	45	No Gas	6297120.46	0.6	90.4	60	125	
Sc (ISICPMS)	45	H2	2388138.75	0.8	90.0	60	125	
Sc (ISICPMS)	45	He	94101.20	0.9	87.6	60	125	
Ge (IS)	74	H2	447126.52	0.4	88.4	60	125	
Ge (IS)	74	He	49694.28	0.4	89.4	60	125	
Kr	83	He	6.67	173.2	200.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	114763.82	0.8	91.9	60	125	
Tb (IS)	159	He	693921.02	0.6	93.9	60	125	
Bi (IS)	209	He	627971.56	0.7	95.7	60	125	

DRAFT

Sample Report

File Name 144SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 17:14:27

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.001	ug/l	324.1	2000	
B	11	6	No Gas	1.316	ug/l	9.3	2000	
Na	23	45	He	163.662	ug/l	1.9	500000	
Mg	24	45	He	2.878	ug/l	27.1	500000	
Al	27	45	He	0.749	ug/l	55.5	500000	
K	39	45	He	11.780	ug/l	102.3	500000	
Ca	40	45	H2	17.623	ug/l	3.9	1000000	
Ti	47	45	No Gas	0.318	ug/l	107.4	10000	
V	51	45	He	-0.588	ug/l	N/A	5000	
Cr	52	45	He	-0.107	ug/l	N/A	20000	
Mn	55	45	He	0.142	ug/l	46.5	20000	
Fe	56	45	H2	3.659	ug/l	16.9	500000	
Co	59	45	He	0.001	ug/l	1339.3	2000	
Ni	60	45	He	-0.106	ug/l	N/A	20000	
Cu	63	45	He	0.078	ug/l	25.5	20000	
Zn	66	45	He	-0.255	ug/l	N/A	20000	
As	75	45	He	-0.187	ug/l	N/A	5000	
Se	78	45	H2	-0.021	ug/l	N/A	3000	
Sr	88	115	He	0.102	ug/l	70.4	5000	
Mo	95	115	He	0.030	ug/l	173.9	2000	
Ag	107	115	He	0.006	ug/l	115.8	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	-0.104	ug/l	N/A	2000	
Sb	121	115	He	-0.009	ug/l	N/A	1000	
Ba	137	159	He	0.442	ug/l	39.2	20000	
Tl	205	209	He	-0.015	ug/l	N/A	1000	
[Pb]	206	209	He	0.006	ug/l	180.6		
[Pb]	207	209	He	0.018	ug/l	37.7		
Pb	208	209	He	0.017	ug/l	75.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8896382.92	0.2	94.5	60	125	
Sc (ISICPMS)	45	No Gas	6289754.42	0.0	90.2	60	125	
Sc (ISICPMS)	45	H2	2370933.18	0.7	89.4	60	125	
Sc (ISICPMS)	45	He	93947.72	1.5	87.5	60	125	
Ge (IS)	74	H2	446754.68	0.9	88.4	60	125	
Ge (IS)	74	He	49485.42	1.8	89.1	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	114114.09	1.6	91.4	60	125	
Tb (IS)	159	He	693090.77	0.2	93.8	60	125	
Bi (IS)	209	He	621627.71	0.7	94.8	60	125	

DRAFT

Sample Report

File Name 145SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 17:16:58

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.005	ug/l	58.7	2000	
B	11	6	No Gas	1.012	ug/l	23.4	2000	
Na	23	45	He	153.642	ug/l	8.5	500000	
Mg	24	45	He	2.433	ug/l	16.6	500000	
Al	27	45	He	2.259	ug/l	99.3	500000	
K	39	45	He	2.357	ug/l	127.1	500000	
Ca	40	45	H2	16.579	ug/l	3.7	1000000	
Ti	47	45	No Gas	0.377	ug/l	102.5	10000	
V	51	45	He	-0.621	ug/l	N/A	5000	
Cr	52	45	He	-0.204	ug/l	N/A	20000	
Mn	55	45	He	0.177	ug/l	68.0	20000	
Fe	56	45	H2	3.414	ug/l	15.4	500000	
Co	59	45	He	0.001	ug/l	1626.7	2000	
Ni	60	45	He	-0.151	ug/l	N/A	20000	
Cu	63	45	He	0.045	ug/l	75.3	20000	
Zn	66	45	He	0.269	ug/l	93.3	20000	
As	75	45	He	-0.291	ug/l	N/A	5000	
Se	78	45	H2	-0.001	ug/l	N/A	3000	
Sr	88	115	He	0.063	ug/l	26.7	5000	
Mo	95	115	He	0.058	ug/l	37.0	2000	
Ag	107	115	He	0.004	ug/l	149.2	1000	
Cd	111	115	He	0.012	ug/l	86.6	5000	
Sn	118	115	He	-0.114	ug/l	N/A	2000	
Sb	121	115	He	0.035	ug/l	132.7	1000	
Ba	137	159	He	0.326	ug/l	37.0	20000	
Tl	205	209	He	-0.020	ug/l	N/A	1000	
[Pb]	206	209	He	0.010	ug/l	34.5		
[Pb]	207	209	He	-0.012	ug/l	N/A		
Pb	208	209	He	0.005	ug/l	132.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8848266.33	0.6	94.0	60	125	
Sc (ISICPMS)	45	No Gas	6292972.27	1.1	90.3	60	125	
Sc (ISICPMS)	45	H2	2362266.82	2.1	89.0	60	125	
Sc (ISICPMS)	45	He	93870.34	1.6	87.4	60	125	
Ge (IS)	74	H2	442628.60	1.8	87.6	60	125	
Ge (IS)	74	He	48835.48	0.9	87.9	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	112850.03	0.6	90.4	60	125	
Tb (IS)	159	He	689123.59	0.3	93.2	60	125	
Bi (IS)	209	He	618790.62	0.8	94.3	60	125	

DRAFT

Sample Report

File Name 146SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 17:19:27

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.001	ug/l	186.3	2000	
B	11	6	No Gas	0.795	ug/l	8.0	2000	
Na	23	45	He	158.946	ug/l	0.4	500000	
Mg	24	45	He	1.493	ug/l	61.0	500000	
Al	27	45	He	2.007	ug/l	84.9	500000	
K	39	45	He	19.038	ug/l	70.6	500000	
Ca	40	45	H2	16.134	ug/l	2.3	1000000	
Ti	47	45	No Gas	0.549	ug/l	11.4	10000	
V	51	45	He	-0.600	ug/l	N/A	5000	
Cr	52	45	He	-0.116	ug/l	N/A	20000	
Mn	55	45	He	0.218	ug/l	47.8	20000	
Fe	56	45	H2	3.509	ug/l	12.1	500000	
Co	59	45	He	-0.004	ug/l	N/A	2000	
Ni	60	45	He	-0.013	ug/l	N/A	20000	
Cu	63	45	He	0.092	ug/l	31.5	20000	
Zn	66	45	He	-0.077	ug/l	N/A	20000	
As	75	45	He	-0.236	ug/l	N/A	5000	
Se	78	45	H2	0.029	ug/l	258.7	3000	
Sr	88	115	He	0.098	ug/l	38.0	5000	
Mo	95	115	He	0.067	ug/l	54.9	2000	
Ag	107	115	He	0.002	ug/l	47.3	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	0.027	ug/l	226.2	2000	
Sb	121	115	He	0.009	ug/l	292.8	1000	
Ba	137	159	He	0.287	ug/l	24.6	20000	
Tl	205	209	He	-0.015	ug/l	N/A	1000	
[Pb]	206	209	He	0.021	ug/l	74.7		
[Pb]	207	209	He	0.007	ug/l	189.9		
Pb	208	209	He	0.015	ug/l	40.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8817258.90	0.8	93.7	60	125	
Sc (ISICPMS)	45	No Gas	6217061.71	1.2	89.2	60	125	
Sc (ISICPMS)	45	H2	2356233.40	0.9	88.8	60	125	
Sc (ISICPMS)	45	He	92472.22	0.7	86.1	60	125	
Ge (IS)	74	H2	440033.46	0.9	87.0	60	125	
Ge (IS)	74	He	49434.28	0.7	89.0	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	113839.08	0.5	91.2	60	125	
Tb (IS)	159	He	687812.83	0.5	93.0	60	125	
Bi (IS)	209	He	618868.76	1.0	94.3	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 147_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 17:21:57

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	96.646	ug/l	0.9	100	90	110	
B	11	6	No Gas	247.975	ug/l	1.3	250	225	275	
Na	23	45	He	26425.299	ug/l	0.2	25000	22500	27500	
Mg	24	45	He	26253.642	ug/l	1.2	25000	22500	27500	
Al	27	45	He	25822.940	ug/l	1.1	25000	22500	27500	
K	39	45	He	25588.415	ug/l	1.5	25000	22500	27500	
Ca	40	45	H2	25418.984	ug/l	2.4	25000	22500	27500	
Ti	47	45	No Gas	101.090	ug/l	2.1	100	90	110	
V	51	45	He	99.423	ug/l	0.5	100	90	110	
Cr	52	45	He	101.811	ug/l	1.5	100	90	110	
Mn	55	45	He	101.710	ug/l	1.2	100	90	110	
Fe	56	45	H2	25816.291	ug/l	1.8	25000	22500	27500	
Co	59	45	He	100.703	ug/l	1.4	100	90	110	
Ni	60	45	He	101.810	ug/l	1.3	100	90	110	
Cu	63	45	He	102.180	ug/l	1.6	100	90	110	
Zn	66	45	He	258.573	ug/l	2.5	250	225	275	
As	75	45	He	96.949	ug/l	3.6	100	90	110	
Se	78	45	H2	102.955	ug/l	1.8	100	90	110	
Sr	88	115	He	98.102	ug/l	1.1	100	90	110	
Mo	95	115	He	100.475	ug/l	1.5	100	90	110	
Ag	107	115	He	50.739	ug/l	0.8	50	45	55	
Cd	111	115	He	101.441	ug/l	2.5	100	90	110	
Sn	118	115	He	102.712	ug/l	1.8	100	90	110	
Sb	121	115	He	102.098	ug/l	3.3	100	90	110	
Ba	137	159	He	96.509	ug/l	1.6	100	90	110	
Tl	205	209	He	102.089	ug/l	0.3	100	90	110	
[Pb]	206	209	He	102.554	ug/l	0.7				
[Pb]	207	209	He	102.360	ug/l	0.8				
Pb	208	209	He	102.266	ug/l	0.6	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	8581028.90	0.3	91.1	60	125	
Sc (ISICPMS)	45	No Gas	6104496.23	1.5	87.6	60	125	
Sc (ISICPMS)	45	H2	2270083.02	1.3	85.6	60	125	
Sc (ISICPMS)	45	He	89710.83	0.7	83.5	60	125	
Ge (IS)	74	H2	437801.88	0.2	86.6	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	48316.86	1.4	86.9	60	125	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	107504.27	0.9	86.1	60	125	
Tb (IS)	159	He	668729.62	0.4	90.5	60	125	
Bi (IS)	209	He	586712.88	0.6	89.4	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 148_Blk.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 17:24:26

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.015	ug/l	21.3	0.8	-0.8	0.8	
B	11	6	No Gas	3.679	ug/l	1.3	40	-40	40	
Na	23	45	He	146.788	ug/l	3.5	500	-500	500	
Mg	24	45	He	3.669	ug/l	23.4	200	-200	200	
Al	27	45	He	3.219	ug/l	69.9	40	-40	40	
K	39	45	He	20.274	ug/l	21.8	200	-200	200	
Ca	40	45	H2	14.853	ug/l	6.7	500	-500	500	
Ti	47	45	No Gas	0.629	ug/l	7.7	4	-4	4	
V	51	45	He	-0.570	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.311	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.249	ug/l	20.6	8	-8	8	
Fe	56	45	H2	6.071	ug/l	7.5	60	-60	60	
Co	59	45	He	0.021	ug/l	78.6	4	-4	4	
Ni	60	45	He	-0.123	ug/l	N/A	4	-4	4	
Cu	63	45	He	0.091	ug/l	13.3	4	-4	4	
Zn	66	45	He	-0.113	ug/l	N/A	16	-16	16	
As	75	45	He	-0.148	ug/l	N/A	2	-2	2	
Se	78	45	H2	0.332	ug/l	16.0	2.5	-2.5	2.5	
Sr	88	115	He	0.063	ug/l	155.9	4	-4	4	
Mo	95	115	He	0.173	ug/l	31.7	4	-4	4	
Ag	107	115	He	0.008	ug/l	35.3	2	-2	2	
Cd	111	115	He	0.018	ug/l	100.2	2	-2	2	
Sn	118	115	He	-0.097	ug/l	N/A	16	-16	16	
Sb	121	115	He	0.050	ug/l	64.0	2	-2	2	
Ba	137	159	He	0.408	ug/l	12.5	4	-4	4	
Tl	205	209	He	-0.003	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.010	ug/l	245.2				
[Pb]	207	209	He	-0.002	ug/l	N/A				
Pb	208	209	He	0.018	ug/l	37.0	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	8713992.72	1.4	92.6	60	125	
Sc (ISICPMS)	45	No Gas	6204415.19	0.9	89.0	60	125	
Sc (ISICPMS)	45	H2	2333383.28	1.9	87.9	60	125	
Sc (ISICPMS)	45	He	92469.87	0.4	86.1	60	125	
Ge (IS)	74	H2	437133.58	1.4	86.5	60	125	
Ge (IS)	74	He	48955.84	0.3	88.1	60	125	
Kr	83	He	6.67	173.2	200.0			
In-1	115	He	112616.51	0.6	90.2	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	685842.06	1.0	92.8	60	125	
Bi (IS)	209	He	614849.17	1.1	93.7	60	125	

DRAFT

Sample Report

File Name 149SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 17:26:56

Sample Name **460-306657-N-6-A@2**

Comment ---

Dilution **1.0000**

Vial # 3307

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.015	ug/l	28.4	2000	
B	11	6	No Gas	129.392	ug/l	1.4	2000	
Na	23	45	He	78327.217	ug/l	0.7	500000	
Mg	24	45	He	7708.261	ug/l	0.6	500000	
Al	27	45	He	51.799	ug/l	4.1	500000	
K	39	45	He	24967.271	ug/l	0.5	500000	
Ca	40	45	H2	52173.252	ug/l	0.8	1000000	
Ti	47	45	No Gas	5.707	ug/l	4.1	10000	
V	51	45	He	-0.058	ug/l	N/A	5000	
Cr	52	45	He	0.713	ug/l	3.4	20000	
Mn	55	45	He	1386.469	ug/l	0.2	20000	
Fe	56	45	H2	22324.489	ug/l	1.4	500000	
Co	59	45	He	0.448	ug/l	7.1	2000	
Ni	60	45	He	0.634	ug/l	23.9	20000	
Cu	63	45	He	1.285	ug/l	3.5	20000	
Zn	66	45	He	6.934	ug/l	5.8	20000	
As	75	45	He	-0.264	ug/l	N/A	5000	
Se	78	45	H2	0.162	ug/l	59.3	3000	
Sr	88	115	He	374.457	ug/l	0.7	5000	
Mo	95	115	He	0.153	ug/l	38.5	2000	
Ag	107	115	He	0.021	ug/l	58.1	1000	
Cd	111	115	He	0.025	ug/l	86.6	5000	
Sn	118	115	He	0.717	ug/l	33.3	2000	
Sb	121	115	He	0.110	ug/l	31.0	1000	
Ba	137	159	He	135.664	ug/l	3.6	20000	
Tl	205	209	He	-0.002	ug/l	N/A	1000	
[Pb]	206	209	He	0.678	ug/l	4.1		
[Pb]	207	209	He	0.682	ug/l	7.4		
Pb	208	209	He	0.708	ug/l	2.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8480436.05	0.9	90.1	60	125	
Sc (ISICPMS)	45	No Gas	6094544.35	0.6	87.4	60	125	
Sc (ISICPMS)	45	H2	2315266.61	0.9	87.3	60	125	
Sc (ISICPMS)	45	He	90002.42	0.5	83.8	60	125	
Ge (IS)	74	H2	450310.59	1.1	89.1	60	125	
Ge (IS)	74	He	49731.99	0.3	89.5	60	125	
Kr	83	He	6.67	86.6	200.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	107300.50	1.2	85.9	60	125	
Tb (IS)	159	He	669887.36	1.1	90.6	60	125	
Bi (IS)	209	He	588293.48	1.7	89.7	60	125	

DRAFT

Sample Report

File Name 150SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 17:29:27

Sample Name **460-306584-E-1-A**

Comment ---

Dilution **1.0000**

Vial # 3308

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.015	ug/l	14.6	2000	
B	11	6	No Gas	51.319	ug/l	1.1	2000	
Na	23	45	He	8674419.568	ug/l	1.0	500000	>LDR 6020B□>LDR 200.8
Mg	24	45	He	5447.982	ug/l	1.8	500000	
Al	27	45	He	62971.000	ug/l	1.6	500000	
K	39	45	He	10643.785	ug/l	2.8	500000	
Ca	40	45	H2	6052.081	ug/l	1.6	1000000	
Ti	47	45	No Gas	23.242	ug/l	6.2	10000	
V	51	45	He	470.700	ug/l	3.0	5000	
Cr	52	45	He	1215.080	ug/l	0.7	20000	
Mn	55	45	He	348.984	ug/l	3.4	20000	
Fe	56	45	H2	504.085	ug/l	1.6	500000	
Co	59	45	He	0.198	ug/l	11.1	2000	
Ni	60	45	He	6.156	ug/l	0.9	20000	
Cu	63	45	He	2.837	ug/l	1.1	20000	
Zn	66	45	He	15.913	ug/l	1.1	20000	
As	75	45	He	30.343	ug/l	3.7	5000	
Se	78	45	H2	6.404	ug/l	7.8	3000	
Sr	88	115	He	7.656	ug/l	4.7	5000	
Mo	95	115	He	25.403	ug/l	1.8	2000	
Ag	107	115	He	0.088	ug/l	24.1	1000	
Cd	111	115	He	0.048	ug/l	107.6	5000	
Sn	118	115	He	1.784	ug/l	10.4	2000	
Sb	121	115	He	0.599	ug/l	12.7	1000	
Ba	137	159	He	4.267	ug/l	5.2	20000	
Tl	205	209	He	-0.012	ug/l	N/A	1000	
[Pb]	206	209	He	11.919	ug/l	3.4		
[Pb]	207	209	He	10.740	ug/l	3.5		
Pb	208	209	He	11.573	ug/l	0.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	7261917.18	1.2	77.1	60	125	
Sc (ISICPMS)	45	No Gas	5293830.82	0.7	76.0	60	125	
Sc (ISICPMS)	45	H2	2036018.72	1.4	76.7	60	125	
Sc (ISICPMS)	45	He	86348.65	2.3	80.4	60	125	
Ge (IS)	74	H2	374594.08	1.0	74.1	60	125	
Ge (IS)	74	He	44844.96	0.6	80.7	60	125	
Kr	83	He	6.67	173.2	200.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	97798.51	1.3	78.3	60	125	
Tb (IS)	159	He	605379.80	1.1	81.9	60	125	
Bi (IS)	209	He	488037.89	0.9	74.4	60	125	

DRAFT

Sample Report

File Name 151SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 17:31:57

Sample Name **460-306584-E-2-A**

Comment ---

Dilution **1.0000**

Vial # 3309

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.012	ug/l	39.8	2000	
B	11	6	No Gas	22.791	ug/l	1.9	2000	
Na	23	45	He	13943610.444	ug/l	0.8	500000	>LDR 6020B□>LDR 200.8
Mg	24	45	He	20109.114	ug/l	3.2	500000	
Al	27	45	He	8677.869	ug/l	2.8	500000	
K	39	45	He	17119.786	ug/l	3.6	500000	
Ca	40	45	H2	38888.743	ug/l	0.9	1000000	
Ti	47	45	No Gas	6.022	ug/l	7.9	10000	
V	51	45	He	91.889	ug/l	5.3	5000	
Cr	52	45	He	507.897	ug/l	1.2	20000	
Mn	55	45	He	1073.026	ug/l	5.1	20000	
Fe	56	45	H2	536.268	ug/l	0.8	500000	
Co	59	45	He	0.307	ug/l	12.2	2000	
Ni	60	45	He	22.716	ug/l	4.3	20000	
Cu	63	45	He	6.663	ug/l	4.4	20000	
Zn	66	45	He	50.591	ug/l	4.4	20000	
As	75	45	He	10.861	ug/l	4.7	5000	
Se	78	45	H2	1.734	ug/l	12.4	3000	
Sr	88	115	He	47.047	ug/l	2.8	5000	
Mo	95	115	He	8.965	ug/l	2.3	2000	
Ag	107	115	He	0.036	ug/l	25.8	1000	
Cd	111	115	He	0.034	ug/l	69.5	5000	
Sn	118	115	He	0.453	ug/l	31.3	2000	
Sb	121	115	He	0.275	ug/l	7.4	1000	
Ba	137	159	He	22.844	ug/l	3.8	20000	
Tl	205	209	He	-0.016	ug/l	N/A	1000	
[Pb]	206	209	He	7.360	ug/l	2.4		
[Pb]	207	209	He	7.034	ug/l	1.4		
Pb	208	209	He	7.222	ug/l	1.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	7083935.73	1.3	75.2	60	125	
Sc (ISICPMS)	45	No Gas	5022913.33	1.0	72.1	60	125	
Sc (ISICPMS)	45	H2	1976967.63	0.3	74.5	60	125	
Sc (ISICPMS)	45	He	88653.23	2.9	82.6	60	125	
Ge (IS)	74	H2	363257.44	0.8	71.9	60	125	
Ge (IS)	74	He	46532.84	1.3	83.7	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	100933.25	1.7	80.8	60	125	
Tb (IS)	159	He	585217.19	1.8	79.2	60	125	
Bi (IS)	209	He	473746.74	2.2	72.2	60	125	

DRAFT

Sample Report

File Name 152SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 17:34:28

Sample Name **460-306584-E-3-A**

Comment ---

Dilution **1.0000**

Vial # 3310

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.038	ug/l	28.0	2000	
B	11	6	No Gas	46.313	ug/l	1.7	2000	
Na	23	45	He	4353085.326	ug/l	1.2	500000	>LDR 6020B□>LDR 200.8
Mg	24	45	He	35990.076	ug/l	2.2	500000	
Al	27	45	He	5938.817	ug/l	0.9	500000	
K	39	45	He	5672.332	ug/l	0.4	500000	
Ca	40	45	H2	70359.013	ug/l	0.7	1000000	
Ti	47	45	No Gas	44.586	ug/l	47.0	10000	
V	51	45	He	103.658	ug/l	1.9	5000	
Cr	52	45	He	203.082	ug/l	1.7	20000	
Mn	55	45	He	305.935	ug/l	1.0	20000	
Fe	56	45	H2	2902.937	ug/l	1.6	500000	
Co	59	45	He	0.617	ug/l	4.5	2000	
Ni	60	45	He	36.656	ug/l	2.6	20000	
Cu	63	45	He	14.351	ug/l	1.7	20000	
Zn	66	45	He	121.247	ug/l	1.1	20000	
As	75	45	He	20.594	ug/l	2.1	5000	
Se	78	45	H2	1.524	ug/l	18.6	3000	
Sr	88	115	He	33.879	ug/l	4.4	5000	
Mo	95	115	He	9.457	ug/l	3.3	2000	
Ag	107	115	He	0.033	ug/l	40.3	1000	
Cd	111	115	He	0.094	ug/l	41.0	5000	
Sn	118	115	He	1.045	ug/l	3.5	2000	
Sb	121	115	He	0.663	ug/l	11.7	1000	
Ba	137	159	He	16.877	ug/l	2.0	20000	
Tl	205	209	He	0.003	ug/l	159.2	1000	
[Pb]	206	209	He	11.256	ug/l	1.9		
[Pb]	207	209	He	10.832	ug/l	2.6		
Pb	208	209	He	11.055	ug/l	2.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8072873.84	0.3	85.8	60	125	
Sc (ISICPMS)	45	No Gas	5490316.51	0.3	78.8	60	125	
Sc (ISICPMS)	45	H2	2134411.43	0.5	80.4	60	125	
Sc (ISICPMS)	45	He	91485.96	0.3	85.2	60	125	
Ge (IS)	74	H2	402910.14	0.8	79.7	60	125	
Ge (IS)	74	He	48939.94	1.5	88.1	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	108220.08	1.1	86.7	60	125	
Tb (IS)	159	He	668822.32	2.2	90.5	60	125	
Bi (IS)	209	He	544697.61	1.6	83.0	60	125	

DRAFT

Sample Report

File Name 153SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 17:36:59

Sample Name **460-306584-E-4-A**

Comment ---

Dilution **1.0000**

Vial # 3311

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.020	ug/l	10.1	2000	
B	11	6	No Gas	49.773	ug/l	0.4	2000	
Na	23	45	He	8666938.471	ug/l	1.5	500000	>LDR 6020B□>LDR 200.8
Mg	24	45	He	1886.563	ug/l	2.4	500000	
Al	27	45	He	49845.021	ug/l	1.3	500000	
K	39	45	He	15790.345	ug/l	3.0	500000	
Ca	40	45	H2	16084.496	ug/l	0.6	1000000	
Ti	47	45	No Gas	31.490	ug/l	4.6	10000	
V	51	45	He	298.528	ug/l	3.2	5000	
Cr	52	45	He	3923.014	ug/l	1.2	20000	
Mn	55	45	He	149.179	ug/l	1.0	20000	
Fe	56	45	H2	18974.102	ug/l	0.7	500000	
Co	59	45	He	1.666	ug/l	3.1	2000	
Ni	60	45	He	8.468	ug/l	3.2	20000	
Cu	63	45	He	9.356	ug/l	3.3	20000	
Zn	66	45	He	548.152	ug/l	1.7	20000	
As	75	45	He	24.236	ug/l	0.8	5000	
Se	78	45	H2	3.863	ug/l	10.8	3000	
Sr	88	115	He	73.870	ug/l	1.6	5000	
Mo	95	115	He	32.700	ug/l	1.2	2000	
Ag	107	115	He	0.100	ug/l	9.1	1000	
Cd	111	115	He	0.026	ug/l	86.6	5000	
Sn	118	115	He	2.143	ug/l	8.4	2000	
Sb	121	115	He	5.985	ug/l	6.4	1000	
Ba	137	159	He	17.638	ug/l	1.9	20000	
Tl	205	209	He	-0.010	ug/l	N/A	1000	
[Pb]	206	209	He	4.129	ug/l	6.5		
[Pb]	207	209	He	3.906	ug/l	5.0		
Pb	208	209	He	4.025	ug/l	4.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	7385427.25	0.8	78.4	60	125	
Sc (ISICPMS)	45	No Gas	5194155.34	0.6	74.5	60	125	
Sc (ISICPMS)	45	H2	2040319.19	0.7	76.9	60	125	
Sc (ISICPMS)	45	He	88985.49	0.5	82.9	60	125	
Ge (IS)	74	H2	382210.94	0.3	75.6	60	125	
Ge (IS)	74	He	46301.87	2.3	83.3	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	104805.60	1.6	83.9	60	125	
Tb (IS)	159	He	642118.32	1.7	86.9	60	125	
Bi (IS)	209	He	512379.49	2.3	78.1	60	125	

DRAFT

Sample Report

File Name 154SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 17:39:29

Sample Name **460-306584-E-5-A**

Comment ---

Dilution **1.0000**

Vial # 3312

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.006	ug/l	54.5	2000	
B	11	6	No Gas	12.785	ug/l	3.4	2000	
Na	23	45	He	2934951.829	ug/l	2.0	500000	>LDR 6020B□>LDR 200.8
Mg	24	45	He	4198.106	ug/l	4.1	500000	
Al	27	45	He	771.475	ug/l	2.2	500000	
K	39	45	He	7535.435	ug/l	3.4	500000	
Ca	40	45	H2	21983.677	ug/l	1.1	1000000	
Ti	47	45	No Gas	4.844	ug/l	23.9	10000	
V	51	45	He	15.841	ug/l	6.6	5000	
Cr	52	45	He	56.613	ug/l	2.7	20000	
Mn	55	45	He	14.136	ug/l	3.3	20000	
Fe	56	45	H2	411.161	ug/l	1.1	500000	
Co	59	45	He	0.218	ug/l	12.0	2000	
Ni	60	45	He	6.512	ug/l	9.0	20000	
Cu	63	45	He	4.006	ug/l	6.3	20000	
Zn	66	45	He	148.336	ug/l	4.5	20000	
As	75	45	He	1.466	ug/l	29.7	5000	
Se	78	45	H2	0.375	ug/l	22.3	3000	
Sr	88	115	He	94.368	ug/l	1.5	5000	
Mo	95	115	He	4.413	ug/l	8.9	2000	
Ag	107	115	He	0.098	ug/l	18.5	1000	
Cd	111	115	He	0.025	ug/l	42.8	5000	
Sn	118	115	He	0.476	ug/l	51.5	2000	
Sb	121	115	He	0.810	ug/l	11.4	1000	
Ba	137	159	He	10.762	ug/l	4.0	20000	
Tl	205	209	He	-0.011	ug/l	N/A	1000	
[Pb]	206	209	He	1.903	ug/l	3.7		
[Pb]	207	209	He	1.806	ug/l	4.5		
Pb	208	209	He	1.834	ug/l	1.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	7914026.20	0.6	84.1	60	125	
Sc (ISICPMS)	45	No Gas	5552794.57	0.3	79.7	60	125	
Sc (ISICPMS)	45	H2	2159016.84	0.6	81.4	60	125	
Sc (ISICPMS)	45	He	90610.77	3.6	84.4	60	125	
Ge (IS)	74	H2	416756.78	0.2	82.4	60	125	
Ge (IS)	74	He	49360.51	1.4	88.8	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	110024.31	3.0	88.1	60	125	
Tb (IS)	159	He	683357.22	2.5	92.4	60	125	
Bi (IS)	209	He	566523.81	2.6	86.4	60	125	

DRAFT

Sample Report

File Name 155SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 17:42:00

Sample Name **460-306584-E-6-A**

Comment ---

Dilution **1.0000**

Vial # 3401

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.054	ug/l	16.7	2000	
B	11	6	No Gas	23.211	ug/l	1.5	2000	
Na	23	45	He	23275716.667	ug/l	0.7	500000	>LDR 6020B□>LDR 200.8
Mg	24	45	He	42895.446	ug/l	3.0	500000	
Al	27	45	He	6053.353	ug/l	1.1	500000	
K	39	45	He	35560.575	ug/l	2.0	500000	
Ca	40	45	H2	88186.876	ug/l	2.2	1000000	
Ti	47	45	No Gas	43.796	ug/l	7.6	10000	
V	51	45	He	203.182	ug/l	4.1	5000	
Cr	52	45	He	1171.062	ug/l	0.9	20000	
Mn	55	45	He	563.265	ug/l	2.9	20000	
Fe	56	45	H2	6077.836	ug/l	2.2	500000	
Co	59	45	He	2.264	ug/l	4.1	2000	
Ni	60	45	He	86.664	ug/l	2.3	20000	
Cu	63	45	He	17.222	ug/l	2.1	20000	
Zn	66	45	He	1497.549	ug/l	1.0	20000	
As	75	45	He	44.345	ug/l	2.0	5000	
Se	78	45	H2	3.965	ug/l	7.1	3000	
Sr	88	115	He	148.422	ug/l	2.0	5000	
Mo	95	115	He	26.448	ug/l	5.7	2000	
Ag	107	115	He	0.169	ug/l	5.5	1000	
Cd	111	115	He	0.182	ug/l	46.7	5000	
Sn	118	115	He	1.080	ug/l	26.7	2000	
Sb	121	115	He	0.705	ug/l	2.7	1000	
Ba	137	159	He	61.853	ug/l	2.8	20000	
Tl	205	209	He	-0.016	ug/l	N/A	1000	
[Pb]	206	209	He	16.092	ug/l	2.5		
[Pb]	207	209	He	15.080	ug/l	2.3		
Pb	208	209	He	15.551	ug/l	1.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	6454357.68	1.0	68.6	60	125	
Sc (ISICPMS)	45	No Gas	4645930.45	0.1	66.7	60	125	
Sc (ISICPMS)	45	H2	1941720.68	0.8	73.2	60	125	
Sc (ISICPMS)	45	He	93252.66	1.6	86.8	60	125	
Ge (IS)	74	H2	344825.43	0.5	68.2	60	125	
Ge (IS)	74	He	46065.67	0.6	82.9	60	125	
Kr	83	He	6.67	86.6	200.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	99701.04	1.6	79.9	60	125	
Tb (IS)	159	He	558341.19	1.0	75.5	60	125	
Bi (IS)	209	He	434400.62	1.5	66.2	60	125	

DRAFT

Sample Report

File Name 156SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 17:44:31

Sample Name **460-306584-E-7-A**

Comment ---

Dilution **1.0000**

Vial # 3402

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.007	ug/l	42.3	2000	
B	11	6	No Gas	28.027	ug/l	0.6	2000	
Na	23	45	He	8683958.845	ug/l	2.1	500000	>LDR 6020B□>LDR 200.8
Mg	24	45	He	3975.017	ug/l	4.1	500000	
Al	27	45	He	1516.065	ug/l	1.5	500000	
K	39	45	He	16824.847	ug/l	4.0	500000	
Ca	40	45	H2	7728.905	ug/l	1.1	1000000	
Ti	47	45	No Gas	2.747	ug/l	18.0	10000	
V	51	45	He	17.387	ug/l	5.9	5000	
Cr	52	45	He	204.996	ug/l	1.8	20000	
Mn	55	45	He	113.126	ug/l	3.9	20000	
Fe	56	45	H2	389.079	ug/l	1.0	500000	
Co	59	45	He	0.195	ug/l	3.0	2000	
Ni	60	45	He	10.699	ug/l	1.7	20000	
Cu	63	45	He	18.532	ug/l	3.5	20000	
Zn	66	45	He	33.611	ug/l	0.6	20000	
As	75	45	He	4.565	ug/l	3.9	5000	
Se	78	45	H2	1.383	ug/l	8.1	3000	
Sr	88	115	He	28.298	ug/l	1.9	5000	
Mo	95	115	He	7.648	ug/l	2.6	2000	
Ag	107	115	He	0.043	ug/l	35.9	1000	
Cd	111	115	He	0.030	ug/l	36.3	5000	
Sn	118	115	He	0.605	ug/l	9.6	2000	
Sb	121	115	He	0.620	ug/l	16.8	1000	
Ba	137	159	He	6.647	ug/l	4.7	20000	
Tl	205	209	He	-0.020	ug/l	N/A	1000	
[Pb]	206	209	He	3.321	ug/l	1.3		
[Pb]	207	209	He	3.264	ug/l	6.5		
Pb	208	209	He	3.279	ug/l	1.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	7169627.60	1.0	76.2	60	125	
Sc (ISICPMS)	45	No Gas	5122410.51	0.6	73.5	60	125	
Sc (ISICPMS)	45	H2	2099510.96	1.3	79.1	60	125	
Sc (ISICPMS)	45	He	96570.00	2.3	89.9	60	125	
Ge (IS)	74	H2	395153.48	0.8	78.2	60	125	
Ge (IS)	74	He	50526.94	2.3	90.9	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	111820.81	2.2	89.6	60	125	
Tb (IS)	159	He	652974.16	0.3	88.3	60	125	
Bi (IS)	209	He	520052.61	2.3	79.3	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 157_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 17:47:02

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	96.263	ug/l	0.3	100	90	110	
B	11	6	No Gas	233.636	ug/l	0.2	250	225	275	
Na	23	45	He	28570.956	ug/l	0.4	25000	22500	27500	failed
Mg	24	45	He	25574.424	ug/l	0.8	25000	22500	27500	
Al	27	45	He	26329.086	ug/l	0.6	25000	22500	27500	
K	39	45	He	25285.535	ug/l	0.5	25000	22500	27500	
Ca	40	45	H2	25135.979	ug/l	1.0	25000	22500	27500	
Ti	47	45	No Gas	101.531	ug/l	0.9	100	90	110	
V	51	45	He	96.508	ug/l	0.7	100	90	110	
Cr	52	45	He	97.689	ug/l	0.7	100	90	110	
Mn	55	45	He	105.153	ug/l	1.2	100	90	110	
Fe	56	45	H2	25086.437	ug/l	0.5	25000	22500	27500	
Co	59	45	He	97.484	ug/l	0.4	100	90	110	
Ni	60	45	He	95.971	ug/l	1.6	100	90	110	
Cu	63	45	He	97.189	ug/l	0.8	100	90	110	
Zn	66	45	He	252.800	ug/l	0.7	250	225	275	
As	75	45	He	98.051	ug/l	3.6	100	90	110	
Se	78	45	H2	98.593	ug/l	3.2	100	90	110	
Sr	88	115	He	100.466	ug/l	2.0	100	90	110	
Mo	95	115	He	94.351	ug/l	1.1	100	90	110	
Ag	107	115	He	47.190	ug/l	0.8	50	45	55	
Cd	111	115	He	99.734	ug/l	1.4	100	90	110	
Sn	118	115	He	101.408	ug/l	1.2	100	90	110	
Sb	121	115	He	100.730	ug/l	1.2	100	90	110	
Ba	137	159	He	105.007	ug/l	1.8	100	90	110	
Tl	205	209	He	101.034	ug/l	1.3	100	90	110	
[Pb]	206	209	He	102.091	ug/l	0.5				
[Pb]	207	209	He	100.257	ug/l	1.4				
Pb	208	209	He	100.924	ug/l	0.9	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	8339120.15	0.8	88.6	60	125	
Sc (ISICPMS)	45	No Gas	5800565.47	0.8	83.2	60	125	
Sc (ISICPMS)	45	H2	2362309.06	0.4	89.0	60	125	
Sc (ISICPMS)	45	He	99433.44	0.8	92.6	60	125	
Ge (IS)	74	H2	464851.11	0.4	91.9	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	53890.97	0.6	97.0	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	126148.87	0.9	101.0	60	125	
Tb (IS)	159	He	752283.04	1.2	101.8	60	125	
Bi (IS)	209	He	647494.09	1.6	98.7	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 158_Blk.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 17:49:31

Sample Name **CCB**

Comment ---

Dilution 1.0000

Analyte Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.006	ug/l	39.6	0.8	-0.8	0.8	
B	11	6	No Gas	2.643	ug/l	4.5	40	-40	40	
Na	23	45	He	2768.181	ug/l	1.1	500	-500	500	> water RL
Mg	24	45	He	2.986	ug/l	2.1	200	-200	200	
Al	27	45	He	0.728	ug/l	209.6	40	-40	40	
K	39	45	He	-17.615	ug/l	N/A	200	-200	200	
Ca	40	45	H2	13.329	ug/l	7.6	500	-500	500	
Ti	47	45	No Gas	0.002	ug/l	8936.0	4	-4	4	
V	51	45	He	-0.371	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.061	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.217	ug/l	34.5	8	-8	8	
Fe	56	45	H2	5.287	ug/l	12.2	60	-60	60	
Co	59	45	He	0.006	ug/l	14.6	4	-4	4	
Ni	60	45	He	-0.083	ug/l	N/A	4	-4	4	
Cu	63	45	He	0.165	ug/l	35.0	4	-4	4	
Zn	66	45	He	0.168	ug/l	166.0	16	-16	16	
As	75	45	He	-0.126	ug/l	N/A	2	-2	2	
Se	78	45	H2	0.148	ug/l	50.4	2.5	-2.5	2.5	
Sr	88	115	He	0.083	ug/l	146.1	4	-4	4	
Mo	95	115	He	0.101	ug/l	10.2	4	-4	4	
Ag	107	115	He	0.001	ug/l	87.9	2	-2	2	
Cd	111	115	He	0.005	ug/l	173.2	2	-2	2	
Sn	118	115	He	-0.061	ug/l	N/A	16	-16	16	
Sb	121	115	He	0.017	ug/l	202.5	2	-2	2	
Ba	137	159	He	0.454	ug/l	37.4	4	-4	4	
Tl	205	209	He	0.000	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	-0.010	ug/l	N/A				
[Pb]	207	209	He	-0.015	ug/l	N/A				
Pb	208	209	He	-0.001	ug/l	N/A	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	8769173.83	0.3	93.1	60	125	
Sc (ISICPMS)	45	No Gas	6043993.94	0.7	86.7	60	125	
Sc (ISICPMS)	45	H2	2360185.54	0.6	88.9	60	125	
Sc (ISICPMS)	45	He	99743.50	1.1	92.9	60	125	
Ge (IS)	74	H2	454553.60	1.0	89.9	60	125	
Ge (IS)	74	He	53504.97	1.1	96.3	60	125	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	126718.36	0.7	101.5	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	754608.47	1.0	102.1	60	125	
Bi (IS)	209	He	666389.54	1.2	101.6	60	125	

DRAFT

Sample Report

File Name 159SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 17:52:02

Sample Name **460-306584-E-8-A**

Comment ---

Dilution **1.0000**

Vial # 3403

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.007	ug/l	42.2	2000	
B	11	6	No Gas	14.245	ug/l	1.4	2000	
Na	23	45	He	2322331.965	ug/l	0.7	500000	>LDR 6020B□>LDR 200.8
Mg	24	45	He	17622.527	ug/l	2.4	500000	
Al	27	45	He	809.413	ug/l	1.8	500000	
K	39	45	He	3618.164	ug/l	3.0	500000	
Ca	40	45	H2	24031.709	ug/l	1.6	1000000	
Ti	47	45	No Gas	12.249	ug/l	44.9	10000	
V	51	45	He	14.878	ug/l	1.7	5000	
Cr	52	45	He	94.215	ug/l	0.4	20000	
Mn	55	45	He	152.861	ug/l	1.4	20000	
Fe	56	45	H2	940.063	ug/l	1.3	500000	
Co	59	45	He	0.329	ug/l	11.0	2000	
Ni	60	45	He	22.765	ug/l	1.9	20000	
Cu	63	45	He	8.817	ug/l	4.6	20000	
Zn	66	45	He	50.129	ug/l	1.2	20000	
As	75	45	He	0.735	ug/l	44.2	5000	
Se	78	45	H2	0.349	ug/l	17.2	3000	
Sr	88	115	He	24.029	ug/l	2.0	5000	
Mo	95	115	He	3.687	ug/l	5.1	2000	
Ag	107	115	He	0.026	ug/l	30.0	1000	
Cd	111	115	He	0.119	ug/l	35.6	5000	
Sn	118	115	He	0.682	ug/l	36.5	2000	
Sb	121	115	He	0.923	ug/l	10.5	1000	
Ba	137	159	He	12.958	ug/l	4.3	20000	
Tl	205	209	He	-0.004	ug/l	N/A	1000	
[Pb]	206	209	He	5.262	ug/l	3.0		
[Pb]	207	209	He	4.864	ug/l	1.8		
Pb	208	209	He	5.043	ug/l	1.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8224751.13	0.5	87.4	60	125	
Sc (ISICPMS)	45	No Gas	5930168.59	1.1	85.1	60	125	
Sc (ISICPMS)	45	H2	2292477.72	0.9	86.4	60	125	
Sc (ISICPMS)	45	He	97405.56	0.7	90.7	60	125	
Ge (IS)	74	H2	443045.55	0.6	87.6	60	125	
Ge (IS)	74	He	51919.84	1.5	93.4	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	114365.25	1.6	91.6	60	125	
Tb (IS)	159	He	697812.29	2.4	94.4	60	125	
Bi (IS)	209	He	573778.51	1.0	87.5	60	125	

DRAFT

Sample Report

File Name 160SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 17:54:32

Sample Name **460-306584-E-9-A**

Comment ---

Dilution **1.0000**

Vial # 3404

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.035	ug/l	40.1	2000	
B	11	6	No Gas	80.421	ug/l	0.7	2000	
Na	23	45	He	2680943.752	ug/l	0.4	500000	>LDR 6020B□>LDR 200.8
Mg	24	45	He	21144.676	ug/l	0.6	500000	
Al	27	45	He	6034.695	ug/l	0.9	500000	
K	39	45	He	10629.725	ug/l	0.2	500000	
Ca	40	45	H2	22693.580	ug/l	1.2	1000000	
Ti	47	45	No Gas	37.544	ug/l	2.0	10000	
V	51	45	He	202.112	ug/l	0.5	5000	
Cr	52	45	He	116.102	ug/l	0.3	20000	
Mn	55	45	He	71.355	ug/l	0.9	20000	
Fe	56	45	H2	1957.812	ug/l	1.3	500000	
Co	59	45	He	1.158	ug/l	1.1	2000	
Ni	60	45	He	45.801	ug/l	1.2	20000	
Cu	63	45	He	92.729	ug/l	0.9	20000	
Zn	66	45	He	41.443	ug/l	2.4	20000	
As	75	45	He	42.881	ug/l	2.6	5000	
Se	78	45	H2	6.319	ug/l	5.4	3000	
Sr	88	115	He	38.644	ug/l	0.6	5000	
Mo	95	115	He	29.837	ug/l	3.8	2000	
Ag	107	115	He	0.396	ug/l	15.4	1000	
Cd	111	115	He	0.158	ug/l	30.0	5000	
Sn	118	115	He	8.641	ug/l	5.2	2000	
Sb	121	115	He	7.960	ug/l	5.1	1000	
Ba	137	159	He	7.545	ug/l	11.9	20000	
Tl	205	209	He	0.000	ug/l	N/A	1000	
[Pb]	206	209	He	13.273	ug/l	1.5		
[Pb]	207	209	He	13.109	ug/l	0.9		
Pb	208	209	He	13.151	ug/l	1.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	7880508.50	0.9	83.7	60	125	
Sc (ISICPMS)	45	No Gas	5877403.46	0.4	84.3	60	125	
Sc (ISICPMS)	45	H2	2320580.73	0.6	87.5	60	125	
Sc (ISICPMS)	45	He	95343.32	0.3	88.8	60	125	
Ge (IS)	74	H2	440953.51	0.6	87.2	60	125	
Ge (IS)	74	He	51537.38	0.8	92.7	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	111300.63	2.0	89.1	60	125	
Tb (IS)	159	He	671460.99	0.7	90.8	60	125	
Bi (IS)	209	He	563838.82	1.5	85.9	60	125	

DRAFT

Sample Report

File Name 161SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 17:57:03

Sample Name **460-306584-E-10-A**

Comment ---

Dilution **1.0000**

Vial # 3405

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.012	ug/l	16.5	2000	
B	11	6	No Gas	54.190	ug/l	0.5	2000	
Na	23	45	He	5976419.867	ug/l	1.0	500000	>LDR 6020B□>LDR 200.8
Mg	24	45	He	11100.639	ug/l	1.8	500000	
Al	27	45	He	48433.428	ug/l	0.8	500000	
K	39	45	He	7140.137	ug/l	2.3	500000	
Ca	40	45	H2	6318.498	ug/l	0.7	1000000	
Ti	47	45	No Gas	13.375	ug/l	4.5	10000	
V	51	45	He	363.706	ug/l	2.0	5000	
Cr	52	45	He	852.232	ug/l	1.2	20000	
Mn	55	45	He	297.494	ug/l	1.0	20000	
Fe	56	45	H2	298.813	ug/l	1.2	500000	
Co	59	45	He	0.185	ug/l	10.1	2000	
Ni	60	45	He	12.763	ug/l	7.8	20000	
Cu	63	45	He	3.112	ug/l	3.1	20000	
Zn	66	45	He	19.146	ug/l	6.5	20000	
As	75	45	He	27.064	ug/l	3.9	5000	
Se	78	45	H2	30.966	ug/l	4.0	3000	
Sr	88	115	He	12.441	ug/l	3.9	5000	
Mo	95	115	He	6.262	ug/l	7.3	2000	
Ag	107	115	He	0.175	ug/l	2.9	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	0.930	ug/l	15.6	2000	
Sb	121	115	He	0.203	ug/l	13.2	1000	
Ba	137	159	He	1.994	ug/l	12.2	20000	
Tl	205	209	He	-0.016	ug/l	N/A	1000	
[Pb]	206	209	He	9.031	ug/l	3.9		
[Pb]	207	209	He	8.494	ug/l	1.4		
Pb	208	209	He	8.689	ug/l	2.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	7555335.93	0.6	80.3	60	125	
Sc (ISICPMS)	45	No Gas	5637086.65	0.5	80.9	60	125	
Sc (ISICPMS)	45	H2	2212714.83	1.8	83.4	60	125	
Sc (ISICPMS)	45	He	94040.04	1.3	87.6	60	125	
Ge (IS)	74	H2	415297.58	1.2	82.1	60	125	
Ge (IS)	74	He	51167.02	1.3	92.1	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	112782.94	1.9	90.3	60	125	
Tb (IS)	159	He	674721.41	1.3	91.3	60	125	
Bi (IS)	209	He	546784.00	0.9	83.3	60	125	

DRAFT

Sample Report

File Name 162SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 17:59:34

Sample Name **460-306584-E-12-A@2**

Comment ---

Dilution **1.0000**

Vial # 3406

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.201	ug/l	10.4	2000	
B	11	6	No Gas	222.482	ug/l	0.6	2000	
Na	23	45	He	9146445.123	ug/l	1.6	500000	>LDR 6020B□>LDR 200.8
Mg	24	45	He	2189.201	ug/l	0.3	500000	
Al	27	45	He	25051.975	ug/l	1.0	500000	
K	39	45	He	12528.460	ug/l	0.8	500000	
Ca	40	45	H2	2675.745	ug/l	1.1	1000000	
Ti	47	45	No Gas	234.382	ug/l	0.9	10000	
V	51	45	He	858.755	ug/l	0.6	5000	
Cr	52	45	He	1146.442	ug/l	1.0	20000	
Mn	55	45	He	192.934	ug/l	1.1	20000	
Fe	56	45	H2	6460.481	ug/l	0.3	500000	
Co	59	45	He	4.576	ug/l	0.9	2000	
Ni	60	45	He	4.598	ug/l	6.8	20000	
Cu	63	45	He	11.062	ug/l	3.5	20000	
Zn	66	45	He	23.023	ug/l	7.3	20000	
As	75	45	He	83.998	ug/l	3.3	5000	
Se	78	45	H2	13.989	ug/l	2.3	3000	
Sr	88	115	He	19.033	ug/l	1.4	5000	
Mo	95	115	He	28.260	ug/l	3.2	2000	
Ag	107	115	He	0.241	ug/l	4.5	1000	
Cd	111	115	He	0.054	ug/l	33.9	5000	
Sn	118	115	He	2.503	ug/l	3.8	2000	
Sb	121	115	He	0.384	ug/l	8.3	1000	
Ba	137	159	He	24.736	ug/l	4.6	20000	
Tl	205	209	He	-0.017	ug/l	N/A	1000	
[Pb]	206	209	He	25.928	ug/l	0.8		
[Pb]	207	209	He	23.528	ug/l	0.5		
Pb	208	209	He	24.864	ug/l	1.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	7333098.57	0.9	77.9	60	125	
Sc (ISICPMS)	45	No Gas	5721469.29	0.4	82.1	60	125	
Sc (ISICPMS)	45	H2	2266347.55	0.8	85.4	60	125	
Sc (ISICPMS)	45	He	96545.57	0.8	89.9	60	125	
Ge (IS)	74	H2	404613.24	0.9	80.0	60	125	
Ge (IS)	74	He	51730.24	0.2	93.1	60	125	
Kr	83	He	10.01	100.0	300.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	113776.77	0.8	91.1	60	125	
Tb (IS)	159	He	651876.92	1.0	88.2	60	125	
Bi (IS)	209	He	530702.95	1.3	80.9	60	125	

DRAFT

Sample Report

File Name 163SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 18:02:05

Sample Name **460-306584-E-13-A**

Comment ---

Dilution **1.0000**

Vial # 3407

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.031	ug/l	10.7	2000	
B	11	6	No Gas	89.377	ug/l	0.7	2000	
Na	23	45	He	6309299.963	ug/l	1.4	500000	>LDR 6020B□>LDR 200.8
Mg	24	45	He	2112.559	ug/l	1.6	500000	
Al	27	45	He	57008.434	ug/l	2.1	500000	
K	39	45	He	6396.326	ug/l	1.6	500000	
Ca	40	45	H2	4641.903	ug/l	0.8	1000000	
Ti	47	45	No Gas	44.846	ug/l	12.9	10000	
V	51	45	He	668.734	ug/l	1.2	5000	
Cr	52	45	He	641.206	ug/l	1.1	20000	
Mn	55	45	He	221.584	ug/l	1.6	20000	
Fe	56	45	H2	512.135	ug/l	1.8	500000	
Co	59	45	He	5.243	ug/l	3.1	2000	
Ni	60	45	He	1.380	ug/l	27.9	20000	
Cu	63	45	He	4.893	ug/l	2.5	20000	
Zn	66	45	He	9.694	ug/l	3.0	20000	
As	75	45	He	57.729	ug/l	5.1	5000	
Se	78	45	H2	3.751	ug/l	10.0	3000	
Sr	88	115	He	28.062	ug/l	2.5	5000	
Mo	95	115	He	22.080	ug/l	1.2	2000	
Ag	107	115	He	0.212	ug/l	3.6	1000	
Cd	111	115	He	0.060	ug/l	46.1	5000	
Sn	118	115	He	9.949	ug/l	2.9	2000	
Sb	121	115	He	0.557	ug/l	23.9	1000	
Ba	137	159	He	11.801	ug/l	2.9	20000	
Tl	205	209	He	-0.017	ug/l	N/A	1000	
[Pb]	206	209	He	17.172	ug/l	2.4		
[Pb]	207	209	He	14.943	ug/l	1.2		
Pb	208	209	He	16.394	ug/l	0.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	7584801.42	0.7	80.6	60	125	
Sc (ISICPMS)	45	No Gas	5846382.07	0.9	83.9	60	125	
Sc (ISICPMS)	45	H2	2333565.70	0.6	87.9	60	125	
Sc (ISICPMS)	45	He	99849.29	1.1	93.0	60	125	
Ge (IS)	74	H2	424067.81	0.9	83.9	60	125	
Ge (IS)	74	He	51047.76	0.9	91.9	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	112720.76	1.3	90.3	60	125	
Tb (IS)	159	He	685507.77	1.7	92.7	60	125	
Bi (IS)	209	He	544468.26	1.4	83.0	60	125	

DRAFT

Sample Report

File Name 164SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 18:04:35

Sample Name **460-306584-E-14-A**

Comment ---

Dilution **1.0000**

Vial # 3408

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.030	ug/l	16.8	2000	
B	11	6	No Gas	94.514	ug/l	0.7	2000	
Na	23	45	He	11661967.100	ug/l	1.9	500000	>LDR 6020B□>LDR 200.8
Mg	24	45	He	31408.282	ug/l	0.8	500000	
Al	27	45	He	100302.431	ug/l	1.3	500000	
K	39	45	He	13490.780	ug/l	1.5	500000	
Ca	40	45	H2	11711.777	ug/l	1.3	1000000	
Ti	47	45	No Gas	36.375	ug/l	4.6	10000	
V	51	45	He	753.025	ug/l	2.4	5000	
Cr	52	45	He	1708.890	ug/l	1.9	20000	
Mn	55	45	He	608.673	ug/l	2.6	20000	
Fe	56	45	H2	891.643	ug/l	1.3	500000	
Co	59	45	He	0.565	ug/l	10.5	2000	
Ni	60	45	He	38.422	ug/l	1.5	20000	
Cu	63	45	He	5.960	ug/l	1.4	20000	
Zn	66	45	He	43.528	ug/l	2.9	20000	
As	75	45	He	57.063	ug/l	2.6	5000	
Se	78	45	H2	67.801	ug/l	0.5	3000	
Sr	88	115	He	19.008	ug/l	6.1	5000	
Mo	95	115	He	12.668	ug/l	3.8	2000	
Ag	107	115	He	0.353	ug/l	12.8	1000	
Cd	111	115	He	0.042	ug/l	48.2	5000	
Sn	118	115	He	2.064	ug/l	3.8	2000	
Sb	121	115	He	0.295	ug/l	8.6	1000	
Ba	137	159	He	4.206	ug/l	7.3	20000	
Tl	205	209	He	-0.008	ug/l	N/A	1000	
[Pb]	206	209	He	21.873	ug/l	1.8		
[Pb]	207	209	He	20.231	ug/l	1.2		
Pb	208	209	He	20.932	ug/l	2.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	7235153.85	0.8	76.9	60	125	
Sc (ISICPMS)	45	No Gas	5472009.15	0.3	78.5	60	125	
Sc (ISICPMS)	45	H2	2242910.42	0.2	84.5	60	125	
Sc (ISICPMS)	45	He	98271.49	0.9	91.5	60	125	
Ge (IS)	74	H2	399777.85	0.2	79.1	60	125	
Ge (IS)	74	He	51103.47	1.1	92.0	60	125	
Kr	83	He	6.67	86.6	200.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	112478.96	2.4	90.1	60	125	
Tb (IS)	159	He	647115.23	2.1	87.5	60	125	
Bi (IS)	209	He	515566.10	2.0	78.6	60	125	

DRAFT

Sample Report

File Name 165SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 18:07:06

Sample Name **460-306584-E-15-A**

Comment ---

Dilution **1.0000**

Vial # 3409

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.027	ug/l	16.8	2000	
B	11	6	No Gas	84.062	ug/l	1.8	2000	
Na	23	45	He	5937173.460	ug/l	1.5	500000	>LDR 6020B□>LDR 200.8
Mg	24	45	He	2081.686	ug/l	5.2	500000	
Al	27	45	He	53390.545	ug/l	1.4	500000	
K	39	45	He	5967.956	ug/l	5.0	500000	
Ca	40	45	H2	4615.647	ug/l	2.1	1000000	
Ti	47	45	No Gas	36.610	ug/l	5.9	10000	
V	51	45	He	645.514	ug/l	4.4	5000	
Cr	52	45	He	600.759	ug/l	1.0	20000	
Mn	55	45	He	213.796	ug/l	4.6	20000	
Fe	56	45	H2	461.325	ug/l	2.5	500000	
Co	59	45	He	4.800	ug/l	4.2	2000	
Ni	60	45	He	0.615	ug/l	27.0	20000	
Cu	63	45	He	4.219	ug/l	5.7	20000	
Zn	66	45	He	8.312	ug/l	4.8	20000	
As	75	45	He	57.028	ug/l	4.0	5000	
Se	78	45	H2	3.099	ug/l	2.9	3000	
Sr	88	115	He	26.540	ug/l	4.2	5000	
Mo	95	115	He	20.344	ug/l	4.1	2000	
Ag	107	115	He	0.207	ug/l	8.0	1000	
Cd	111	115	He	0.024	ug/l	173.2	5000	
Sn	118	115	He	9.598	ug/l	10.4	2000	
Sb	121	115	He	0.538	ug/l	7.5	1000	
Ba	137	159	He	11.739	ug/l	3.7	20000	
Tl	205	209	He	-0.019	ug/l	N/A	1000	
[Pb]	206	209	He	15.455	ug/l	4.0		
[Pb]	207	209	He	13.487	ug/l	1.9		
Pb	208	209	He	14.666	ug/l	4.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	7597845.23	0.7	80.7	60	125	
Sc (ISICPMS)	45	No Gas	5919824.91	0.8	84.9	60	125	
Sc (ISICPMS)	45	H2	2324333.53	1.6	87.6	60	125	
Sc (ISICPMS)	45	He	96142.31	2.3	89.5	60	125	
Ge (IS)	74	H2	422972.88	0.8	83.7	60	125	
Ge (IS)	74	He	51065.65	2.7	91.9	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	113538.71	2.5	90.9	60	125	
Tb (IS)	159	He	683449.23	0.6	92.4	60	125	
Bi (IS)	209	He	547990.61	2.2	83.5	60	125	

DRAFT

Sample Report

File Name 166SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 18:09:37

Sample Name **460-306584-E-16-A**

Comment ---

Dilution **1.0000**

Vial # 3410

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.003	ug/l	146.0	2000	
B	11	6	No Gas	0.306	ug/l	18.8	2000	
Na	23	45	He	3187.145	ug/l	3.3	500000	
Mg	24	45	He	3.457	ug/l	45.7	500000	
Al	27	45	He	9.795	ug/l	22.6	500000	
K	39	45	He	-14.592	ug/l	N/A	500000	
Ca	40	45	H2	21.133	ug/l	1.4	1000000	
Ti	47	45	No Gas	-1.188	ug/l	N/A	10000	
V	51	45	He	0.059	ug/l	62.0	5000	
Cr	52	45	He	0.056	ug/l	377.0	20000	
Mn	55	45	He	0.459	ug/l	9.1	20000	
Fe	56	45	H2	6.581	ug/l	4.5	500000	
Co	59	45	He	-0.011	ug/l	N/A	2000	
Ni	60	45	He	-0.036	ug/l	N/A	20000	
Cu	63	45	He	2.360	ug/l	4.5	20000	
Zn	66	45	He	1.774	ug/l	6.0	20000	
As	75	45	He	-0.123	ug/l	N/A	5000	
Se	78	45	H2	0.037	ug/l	163.7	3000	
Sr	88	115	He	0.027	ug/l	186.4	5000	
Mo	95	115	He	0.054	ug/l	51.4	2000	
Ag	107	115	He	0.020	ug/l	60.5	1000	
Cd	111	115	He	0.005	ug/l	173.2	5000	
Sn	118	115	He	0.334	ug/l	57.9	2000	
Sb	121	115	He	0.022	ug/l	56.6	1000	
Ba	137	159	He	0.250	ug/l	37.8	20000	
Tl	205	209	He	-0.020	ug/l	N/A	1000	
[Pb]	206	209	He	0.021	ug/l	65.1		
[Pb]	207	209	He	0.023	ug/l	153.5		
Pb	208	209	He	0.029	ug/l	35.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8872655.28	0.1	94.2	60	125	
Sc (ISICPMS)	45	No Gas	6169060.60	0.3	88.5	60	125	
Sc (ISICPMS)	45	H2	2394074.51	0.1	90.2	60	125	
Sc (ISICPMS)	45	He	99415.63	0.7	92.6	60	125	
Ge (IS)	74	H2	463265.71	0.2	91.6	60	125	
Ge (IS)	74	He	52930.51	1.2	95.3	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	126644.17	0.7	101.4	60	125	
Tb (IS)	159	He	762179.94	0.4	103.1	60	125	
Bi (IS)	209	He	678292.00	0.9	103.4	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 167_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 18:12:07

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	97.370	ug/l	1.6	100	90	110	
B	11	6	No Gas	246.159	ug/l	1.5	250	225	275	
Na	23	45	He	27385.799	ug/l	0.7	25000	22500	27500	
Mg	24	45	He	25865.527	ug/l	0.5	25000	22500	27500	
Al	27	45	He	25733.619	ug/l	1.2	25000	22500	27500	
K	39	45	He	25438.689	ug/l	0.6	25000	22500	27500	
Ca	40	45	H2	25542.782	ug/l	2.1	25000	22500	27500	
Ti	47	45	No Gas	99.087	ug/l	1.3	100	90	110	
V	51	45	He	99.143	ug/l	0.9	100	90	110	
Cr	52	45	He	100.782	ug/l	0.9	100	90	110	
Mn	55	45	He	103.255	ug/l	1.4	100	90	110	
Fe	56	45	H2	25919.121	ug/l	1.9	25000	22500	27500	
Co	59	45	He	101.568	ug/l	0.8	100	90	110	
Ni	60	45	He	99.211	ug/l	1.5	100	90	110	
Cu	63	45	He	100.697	ug/l	1.0	100	90	110	
Zn	66	45	He	252.789	ug/l	0.6	250	225	275	
As	75	45	He	101.289	ug/l	4.8	100	90	110	
Se	78	45	H2	106.727	ug/l	2.8	100	90	110	
Sr	88	115	He	99.006	ug/l	2.5	100	90	110	
Mo	95	115	He	99.185	ug/l	0.5	100	90	110	
Ag	107	115	He	49.977	ug/l	1.1	50	45	55	
Cd	111	115	He	103.266	ug/l	2.8	100	90	110	
Sn	118	115	He	106.115	ug/l	1.6	100	90	110	
Sb	121	115	He	103.113	ug/l	0.6	100	90	110	
Ba	137	159	He	103.596	ug/l	1.2	100	90	110	
Tl	205	209	He	103.413	ug/l	0.4	100	90	110	
[Pb]	206	209	He	102.155	ug/l	0.4				
[Pb]	207	209	He	102.931	ug/l	0.1				
Pb	208	209	He	102.446	ug/l	0.1	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	8694316.12	0.9	92.4	60	125	
Sc (ISICPMS)	45	No Gas	6165574.77	0.7	88.5	60	125	
Sc (ISICPMS)	45	H2	2369372.90	1.0	89.3	60	125	
Sc (ISICPMS)	45	He	96928.00	0.5	90.3	60	125	
Ge (IS)	74	H2	461924.00	1.1	91.4	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	53077.57	1.3	95.5	60	125	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	119874.03	1.4	96.0	60	125	
Tb (IS)	159	He	738961.18	1.2	100.0	60	125	
Bi (IS)	209	He	639852.71	1.3	97.5	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 168_Blk.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 18:14:36

Sample Name **CCB**

Comment ---

Dilution 1.0000

Analyte Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.012	ug/l	29.8	0.8	-0.8	0.8	
B	11	6	No Gas	3.611	ug/l	4.2	40	-40	40	
Na	23	45	He	1411.110	ug/l	3.6	500	-500	500	> water RL
Mg	24	45	He	3.776	ug/l	7.8	200	-200	200	
Al	27	45	He	2.097	ug/l	97.6	40	-40	40	
K	39	45	He	1.883	ug/l	168.1	200	-200	200	
Ca	40	45	H2	9.551	ug/l	2.6	500	-500	500	
Ti	47	45	No Gas	-0.711	ug/l	N/A	4	-4	4	
V	51	45	He	-0.106	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.130	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.256	ug/l	31.1	8	-8	8	
Fe	56	45	H2	5.676	ug/l	3.3	60	-60	60	
Co	59	45	He	0.004	ug/l	315.3	4	-4	4	
Ni	60	45	He	-0.191	ug/l	N/A	4	-4	4	
Cu	63	45	He	0.096	ug/l	100.5	4	-4	4	
Zn	66	45	He	0.144	ug/l	258.9	16	-16	16	
As	75	45	He	0.038	ug/l	445.2	2	-2	2	
Se	78	45	H2	0.194	ug/l	69.1	2.5	-2.5	2.5	
Sr	88	115	He	0.022	ug/l	238.7	4	-4	4	
Mo	95	115	He	0.158	ug/l	35.6	4	-4	4	
Ag	107	115	He	0.005	ug/l	74.1	2	-2	2	
Cd	111	115	He	0.011	ug/l	86.6	2	-2	2	
Sn	118	115	He	-0.170	ug/l	N/A	16	-16	16	
Sb	121	115	He	0.040	ug/l	133.2	2	-2	2	
Ba	137	159	He	0.355	ug/l	15.2	4	-4	4	
Tl	205	209	He	0.002	ug/l	46.1	0.8	-0.8	0.8	
[Pb]	206	209	He	0.012	ug/l	211.9				
[Pb]	207	209	He	-0.004	ug/l	N/A				
Pb	208	209	He	0.001	ug/l	466.5	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	8821070.42	1.1	93.7	60	125	
Sc (ISICPMS)	45	No Gas	6264751.64	0.5	89.9	60	125	
Sc (ISICPMS)	45	H2	2388785.75	1.0	90.0	60	125	
Sc (ISICPMS)	45	He	96545.19	1.4	89.9	60	125	
Ge (IS)	74	H2	457501.02	0.8	90.5	60	125	
Ge (IS)	74	He	52241.13	0.5	94.0	60	125	
Kr	83	He	10.01	100.0	300.0			
In-1	115	He	121388.07	1.1	97.2	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	736951.84	0.9	99.7	60	125	
Bi (IS)	209	He	655382.46	0.5	99.9	60	125	

DRAFT

Sample Report

File Name 169SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 18:24:19

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.006	ug/l	36.7	2000	
B	11	6	No Gas	0.509	ug/l	11.9	2000	
Na	23	45	He	897.340	ug/l	1.4	500000	
Mg	24	45	He	2.232	ug/l	17.7	500000	
Al	27	45	He	2.226	ug/l	60.4	500000	
K	39	45	He	2.013	ug/l	768.6	500000	
Ca	40	45	H2	9.536	ug/l	2.3	1000000	
Ti	47	45	No Gas	-0.601	ug/l	N/A	10000	
V	51	45	He	-0.113	ug/l	N/A	5000	
Cr	52	45	He	-0.158	ug/l	N/A	20000	
Mn	55	45	He	0.203	ug/l	103.8	20000	
Fe	56	45	H2	4.044	ug/l	8.7	500000	
Co	59	45	He	-0.012	ug/l	N/A	2000	
Ni	60	45	He	-0.129	ug/l	N/A	20000	
Cu	63	45	He	0.053	ug/l	82.9	20000	
Zn	66	45	He	0.186	ug/l	100.9	20000	
As	75	45	He	-0.233	ug/l	N/A	5000	
Se	78	45	H2	-0.003	ug/l	N/A	3000	
Sr	88	115	He	0.028	ug/l	272.9	5000	
Mo	95	115	He	0.054	ug/l	20.2	2000	
Ag	107	115	He	0.007	ug/l	67.9	1000	
Cd	111	115	He	0.017	ug/l	0.8	5000	
Sn	118	115	He	-0.147	ug/l	N/A	2000	
Sb	121	115	He	0.011	ug/l	226.4	1000	
Ba	137	159	He	0.235	ug/l	27.4	20000	
Tl	205	209	He	-0.015	ug/l	N/A	1000	
[Pb]	206	209	He	-0.015	ug/l	N/A		
[Pb]	207	209	He	0.013	ug/l	174.9		
Pb	208	209	He	0.009	ug/l	121.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8901805.56	0.9	94.6	60	125	
Sc (ISICPMS)	45	No Gas	6430257.96	0.6	92.3	60	125	
Sc (ISICPMS)	45	H2	2437538.00	0.9	91.9	60	125	
Sc (ISICPMS)	45	He	97641.73	0.2	90.9	60	125	
Ge (IS)	74	H2	463476.34	0.7	91.7	60	125	
Ge (IS)	74	He	52231.20	1.4	94.0	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	120638.69	0.8	96.6	60	125	
Tb (IS)	159	He	735375.52	0.5	99.5	60	125	
Bi (IS)	209	He	649120.04	1.3	98.9	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 170_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 18:26:49

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	98.823	ug/l	1.0	100	90	110	
B	11	6	No Gas	249.026	ug/l	0.8	250	225	275	
Na	23	45	He	26925.563	ug/l	1.2	25000	22500	27500	
Mg	24	45	He	26214.983	ug/l	1.0	25000	22500	27500	
Al	27	45	He	25870.926	ug/l	0.6	25000	22500	27500	
K	39	45	He	25746.545	ug/l	0.4	25000	22500	27500	
Ca	40	45	H2	25150.199	ug/l	1.6	25000	22500	27500	
Ti	47	45	No Gas	99.505	ug/l	1.2	100	90	110	
V	51	45	He	100.206	ug/l	0.7	100	90	110	
Cr	52	45	He	102.601	ug/l	0.9	100	90	110	
Mn	55	45	He	104.970	ug/l	0.8	100	90	110	
Fe	56	45	H2	25691.848	ug/l	1.9	25000	22500	27500	
Co	59	45	He	102.351	ug/l	0.8	100	90	110	
Ni	60	45	He	100.131	ug/l	1.7	100	90	110	
Cu	63	45	He	101.360	ug/l	0.4	100	90	110	
Zn	66	45	He	256.036	ug/l	1.1	250	225	275	
As	75	45	He	101.268	ug/l	1.0	100	90	110	
Se	78	45	H2	102.588	ug/l	1.6	100	90	110	
Sr	88	115	He	99.379	ug/l	1.0	100	90	110	
Mo	95	115	He	100.778	ug/l	1.1	100	90	110	
Ag	107	115	He	50.679	ug/l	0.3	50	45	55	
Cd	111	115	He	104.406	ug/l	1.4	100	90	110	
Sn	118	115	He	104.847	ug/l	1.1	100	90	110	
Sb	121	115	He	103.937	ug/l	0.2	100	90	110	
Ba	137	159	He	100.604	ug/l	0.9	100	90	110	
Tl	205	209	He	103.255	ug/l	1.6	100	90	110	
[Pb]	206	209	He	102.871	ug/l	0.2				
[Pb]	207	209	He	102.762	ug/l	0.7				
Pb	208	209	He	102.727	ug/l	0.3	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	8678045.70	0.5	92.2	60	125	
Sc (ISICPMS)	45	No Gas	6308028.45	0.7	90.5	60	125	
Sc (ISICPMS)	45	H2	2398639.27	0.8	90.4	60	125	
Sc (ISICPMS)	45	He	95048.49	0.4	88.5	60	125	
Ge (IS)	74	H2	459260.98	0.6	90.8	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	51496.18	0.4	92.7	60	125	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	115250.83	1.2	92.3	60	125	
Tb (IS)	159	He	718170.39	1.3	97.1	60	125	
Bi (IS)	209	He	622817.74	1.0	94.9	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 171_Blk.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 18:29:18

Sample Name **CCB**

Comment ---

Dilution 1.0000

Analyte Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.013	ug/l	52.8	0.8	-0.8	0.8	
B	11	6	No Gas	2.447	ug/l	6.6	40	-40	40	
Na	23	45	He	778.147	ug/l	1.4	500	-500	500	> water RL
Mg	24	45	He	2.814	ug/l	30.8	200	-200	200	
Al	27	45	He	2.437	ug/l	50.2	40	-40	40	
K	39	45	He	7.619	ug/l	89.2	200	-200	200	
Ca	40	45	H2	14.115	ug/l	5.7	500	-500	500	
Ti	47	45	No Gas	-0.022	ug/l	N/A	4	-4	4	
V	51	45	He	-0.012	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.012	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.133	ug/l	31.7	8	-8	8	
Fe	56	45	H2	7.522	ug/l	1.8	60	-60	60	
Co	59	45	He	0.018	ug/l	86.4	4	-4	4	
Ni	60	45	He	-0.131	ug/l	N/A	4	-4	4	
Cu	63	45	He	-0.057	ug/l	N/A	4	-4	4	
Zn	66	45	He	-0.151	ug/l	N/A	16	-16	16	
As	75	45	He	-0.062	ug/l	N/A	2	-2	2	
Se	78	45	H2	0.264	ug/l	37.9	2.5	-2.5	2.5	
Sr	88	115	He	0.015	ug/l	256.1	4	-4	4	
Mo	95	115	He	0.143	ug/l	35.7	4	-4	4	
Ag	107	115	He	0.004	ug/l	70.8	2	-2	2	
Cd	111	115	He	0.017	ug/l	99.7	2	-2	2	
Sn	118	115	He	0.224	ug/l	58.4	16	-16	16	
Sb	121	115	He	0.080	ug/l	59.8	2	-2	2	
Ba	137	159	He	0.365	ug/l	23.9	4	-4	4	
Tl	205	209	He	-0.007	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	-0.006	ug/l	N/A				
[Pb]	207	209	He	-0.007	ug/l	N/A				
Pb	208	209	He	0.003	ug/l	306.6	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	8778569.25	0.3	93.2	60	125	
Sc (ISICPMS)	45	No Gas	6326295.39	0.3	90.8	60	125	
Sc (ISICPMS)	45	H2	2379357.86	1.1	89.7	60	125	
Sc (ISICPMS)	45	He	96731.12	0.6	90.1	60	125	
Ge (IS)	74	H2	455954.42	1.2	90.2	60	125	
Ge (IS)	74	He	51434.77	1.1	92.6	60	125	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	118750.67	0.7	95.1	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	721731.92	1.1	97.6	60	125	
Bi (IS)	209	He	642307.18	0.8	97.9	60	125	

DRAFT

Sample Report

File Name 172SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 18:31:47

Sample Name **460-307027-A-2-F**

Comment ---

Dilution **1.0000**

Vial # 2101

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	3.720	ug/l	2.6	2000	
B	11	6	No Gas	186.303	ug/l	1.2	2000	
Na	23	45	He	2262.973	ug/l	1.7	500000	
Mg	24	45	He	63764.545	ug/l	1.4	500000	
Al	27	45	He	56739.983	ug/l	0.8	500000	
K	39	45	He	44361.974	ug/l	1.1	500000	
Ca	40	45	H2	48342.962	ug/l	1.1	1000000	
Ti	47	45	No Gas	9879.566	ug/l	2.2	10000	>LDR 200.8
V	51	45	He	283.887	ug/l	1.0	5000	
Cr	52	45	He	454.515	ug/l	0.4	20000	
Mn	55	45	He	1836.262	ug/l	0.6	20000	
Fe	56	45	H2	181613.059	ug/l	0.7	500000	
Co	59	45	He	111.624	ug/l	0.1	2000	
Ni	60	45	He	357.138	ug/l	0.6	20000	
Cu	63	45	He	725.645	ug/l	1.1	20000	
Zn	66	45	He	150.509	ug/l	1.6	20000	
As	75	45	He	10.228	ug/l	11.3	5000	
Se	78	45	H2	4.623	ug/l	5.7	3000	
Sr	88	115	He	34.629	ug/l	1.7	5000	
Mo	95	115	He	48.319	ug/l	0.9	2000	
Ag	107	115	He	0.267	ug/l	9.1	1000	
Cd	111	115	He	0.145	ug/l	54.1	5000	
Sn	118	115	He	21.887	ug/l	5.6	2000	
Sb	121	115	He	0.106	ug/l	32.3	1000	
Ba	137	159	He	281.785	ug/l	1.4	20000	
Tl	205	209	He	2.645	ug/l	3.3	1000	
[Pb]	206	209	He	34.431	ug/l	0.9		
[Pb]	207	209	He	14.960	ug/l	1.0		
Pb	208	209	He	24.422	ug/l	0.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8638801.12	1.0	91.8	60	125	
Sc (ISICPMS)	45	No Gas	6517000.46	0.9	93.5	60	125	
Sc (ISICPMS)	45	H2	2555325.00	0.5	96.3	60	125	
Sc (ISICPMS)	45	He	100085.88	1.3	93.2	60	125	
Ge (IS)	74	H2	469677.92	0.7	92.9	60	125	
Ge (IS)	74	He	53509.57	1.3	96.3	60	125	
Kr	83	He	146.82	21.9	4400.1			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	116497.16	0.2	93.3	60	125	
Tb (IS)	159	He	765563.20	0.6	103.6	60	125	
Bi (IS)	209	He	614231.10	0.5	93.6	60	125	

DRAFT

Sample Report

File Name 173SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 18:34:17

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.011	ug/l	37.6	2000	
B	11	6	No Gas	2.996	ug/l	9.7	2000	
Na	23	45	He	605.144	ug/l	2.3	500000	
Mg	24	45	He	4.350	ug/l	25.1	500000	
Al	27	45	He	3.460	ug/l	37.7	500000	
K	39	45	He	5.748	ug/l	321.0	500000	
Ca	40	45	H2	9.968	ug/l	3.8	1000000	
Ti	47	45	No Gas	2.314	ug/l	18.0	10000	
V	51	45	He	-0.442	ug/l	N/A	5000	
Cr	52	45	He	-0.086	ug/l	N/A	20000	
Mn	55	45	He	0.262	ug/l	15.1	20000	
Fe	56	45	H2	14.414	ug/l	1.5	500000	
Co	59	45	He	0.009	ug/l	32.9	2000	
Ni	60	45	He	-0.081	ug/l	N/A	20000	
Cu	63	45	He	0.102	ug/l	64.5	20000	
Zn	66	45	He	0.147	ug/l	155.1	20000	
As	75	45	He	-0.149	ug/l	N/A	5000	
Se	78	45	H2	0.065	ug/l	26.6	3000	
Sr	88	115	He	0.019	ug/l	193.6	5000	
Mo	95	115	He	0.075	ug/l	50.3	2000	
Ag	107	115	He	0.001	ug/l	72.6	1000	
Cd	111	115	He	0.011	ug/l	86.6	5000	
Sn	118	115	He	0.079	ug/l	75.5	2000	
Sb	121	115	He	-0.020	ug/l	N/A	1000	
Ba	137	159	He	0.239	ug/l	23.8	20000	
Tl	205	209	He	-0.012	ug/l	N/A	1000	
[Pb]	206	209	He	-0.005	ug/l	N/A		
[Pb]	207	209	He	-0.022	ug/l	N/A		
Pb	208	209	He	-0.004	ug/l	N/A	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8792605.28	0.4	93.4	60	125	
Sc (ISICPMS)	45	No Gas	6430781.99	1.1	92.3	60	125	
Sc (ISICPMS)	45	H2	2433054.55	0.4	91.7	60	125	
Sc (ISICPMS)	45	He	97548.50	0.8	90.8	60	125	
Ge (IS)	74	H2	463631.41	0.6	91.7	60	125	
Ge (IS)	74	He	52026.03	0.6	93.6	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	119191.47	0.8	95.5	60	125	
Tb (IS)	159	He	724507.32	1.4	98.0	60	125	
Bi (IS)	209	He	643469.51	0.6	98.1	60	125	

DRAFT

Sample Report

File Name 174SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 18:36:47

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.006	ug/l	43.1	2000	
B	11	6	No Gas	1.416	ug/l	13.0	2000	
Na	23	45	He	611.701	ug/l	0.9	500000	
Mg	24	45	He	2.304	ug/l	8.2	500000	
Al	27	45	He	2.156	ug/l	50.7	500000	
K	39	45	He	0.921	ug/l	1343.4	500000	
Ca	40	45	H2	8.571	ug/l	7.3	1000000	
Ti	47	45	No Gas	0.604	ug/l	53.7	10000	
V	51	45	He	-0.502	ug/l	N/A	5000	
Cr	52	45	He	-0.227	ug/l	N/A	20000	
Mn	55	45	He	0.174	ug/l	32.6	20000	
Fe	56	45	H2	4.665	ug/l	6.3	500000	
Co	59	45	He	0.004	ug/l	74.3	2000	
Ni	60	45	He	-0.152	ug/l	N/A	20000	
Cu	63	45	He	0.107	ug/l	31.6	20000	
Zn	66	45	He	-0.352	ug/l	N/A	20000	
As	75	45	He	-0.266	ug/l	N/A	5000	
Se	78	45	H2	0.007	ug/l	526.8	3000	
Sr	88	115	He	0.054	ug/l	47.8	5000	
Mo	95	115	He	0.060	ug/l	62.7	2000	
Ag	107	115	He	0.003	ug/l	297.3	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	0.209	ug/l	24.8	2000	
Sb	121	115	He	-0.028	ug/l	N/A	1000	
Ba	137	159	He	0.297	ug/l	43.0	20000	
Tl	205	209	He	-0.022	ug/l	N/A	1000	
[Pb]	206	209	He	-0.010	ug/l	N/A		
[Pb]	207	209	He	-0.012	ug/l	N/A		
Pb	208	209	He	-0.002	ug/l	N/A	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8802552.99	0.3	93.5	60	125	
Sc (ISICPMS)	45	No Gas	6388528.93	1.1	91.7	60	125	
Sc (ISICPMS)	45	H2	2447014.98	1.2	92.2	60	125	
Sc (ISICPMS)	45	He	97638.61	0.6	90.9	60	125	
Ge (IS)	74	H2	461415.58	0.9	91.3	60	125	
Ge (IS)	74	He	51848.63	0.3	93.3	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	119443.92	0.8	95.7	60	125	
Tb (IS)	159	He	723198.15	0.7	97.8	60	125	
Bi (IS)	209	He	641063.31	1.2	97.7	60	125	

DRAFT

Sample Report

File Name 175SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 18:39:17

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.003	ug/l	155.0	2000	
B	11	6	No Gas	0.960	ug/l	13.5	2000	
Na	23	45	He	603.276	ug/l	2.7	500000	
Mg	24	45	He	1.685	ug/l	21.5	500000	
Al	27	45	He	2.004	ug/l	27.9	500000	
K	39	45	He	9.303	ug/l	36.9	500000	
Ca	40	45	H2	8.564	ug/l	2.7	1000000	
Ti	47	45	No Gas	0.496	ug/l	35.1	10000	
V	51	45	He	-0.478	ug/l	N/A	5000	
Cr	52	45	He	-0.275	ug/l	N/A	20000	
Mn	55	45	He	0.165	ug/l	10.9	20000	
Fe	56	45	H2	4.568	ug/l	6.3	500000	
Co	59	45	He	-0.003	ug/l	N/A	2000	
Ni	60	45	He	-0.183	ug/l	N/A	20000	
Cu	63	45	He	0.007	ug/l	97.6	20000	
Zn	66	45	He	-0.146	ug/l	N/A	20000	
As	75	45	He	-0.217	ug/l	N/A	5000	
Se	78	45	H2	-0.003	ug/l	N/A	3000	
Sr	88	115	He	0.029	ug/l	34.3	5000	
Mo	95	115	He	0.055	ug/l	50.4	2000	
Ag	107	115	He	0.006	ug/l	30.2	1000	
Cd	111	115	He	0.006	ug/l	173.2	5000	
Sn	118	115	He	-0.090	ug/l	N/A	2000	
Sb	121	115	He	-0.036	ug/l	N/A	1000	
Ba	137	159	He	0.343	ug/l	32.1	20000	
Tl	205	209	He	-0.016	ug/l	N/A	1000	
[Pb]	206	209	He	0.002	ug/l	736.0		
[Pb]	207	209	He	-0.010	ug/l	N/A		
Pb	208	209	He	0.003	ug/l	262.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8820275.08	0.7	93.7	60	125	
Sc (ISICPMS)	45	No Gas	6429094.49	0.7	92.2	60	125	
Sc (ISICPMS)	45	H2	2444630.90	0.7	92.1	60	125	
Sc (ISICPMS)	45	He	97854.64	0.9	91.1	60	125	
Ge (IS)	74	H2	463442.79	0.7	91.7	60	125	
Ge (IS)	74	He	51970.36	0.9	93.5	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	119374.79	1.2	95.6	60	125	
Tb (IS)	159	He	724619.32	1.1	98.0	60	125	
Bi (IS)	209	He	638074.39	0.8	97.3	60	125	

DRAFT

Sample Report

File Name 176SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 18:41:47

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.003	ug/l	190.5	2000	
B	11	6	No Gas	0.874	ug/l	20.9	2000	
Na	23	45	He	593.087	ug/l	2.1	500000	
Mg	24	45	He	2.492	ug/l	14.5	500000	
Al	27	45	He	2.033	ug/l	53.3	500000	
K	39	45	He	13.626	ug/l	106.6	500000	
Ca	40	45	H2	7.883	ug/l	8.8	1000000	
Ti	47	45	No Gas	0.513	ug/l	62.4	10000	
V	51	45	He	-0.311	ug/l	N/A	5000	
Cr	52	45	He	-0.333	ug/l	N/A	20000	
Mn	55	45	He	0.109	ug/l	58.7	20000	
Fe	56	45	H2	3.251	ug/l	20.0	500000	
Co	59	45	He	0.011	ug/l	122.1	2000	
Ni	60	45	He	-0.096	ug/l	N/A	20000	
Cu	63	45	He	0.017	ug/l	383.8	20000	
Zn	66	45	He	0.354	ug/l	71.0	20000	
As	75	45	He	-0.182	ug/l	N/A	5000	
Se	78	45	H2	0.034	ug/l	168.6	3000	
Sr	88	115	He	0.024	ug/l	223.9	5000	
Mo	95	115	He	0.063	ug/l	44.5	2000	
Ag	107	115	He	0.001	ug/l	260.5	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	-0.112	ug/l	N/A	2000	
Sb	121	115	He	-0.025	ug/l	N/A	1000	
Ba	137	159	He	0.252	ug/l	82.6	20000	
Tl	205	209	He	-0.013	ug/l	N/A	1000	
[Pb]	206	209	He	-0.006	ug/l	N/A		
[Pb]	207	209	He	-0.021	ug/l	N/A		
Pb	208	209	He	-0.001	ug/l	N/A	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8750024.52	0.4	92.9	60	125	
Sc (ISICPMS)	45	No Gas	6377830.11	0.3	91.5	60	125	
Sc (ISICPMS)	45	H2	2450576.52	1.7	92.4	60	125	
Sc (ISICPMS)	45	He	97454.59	0.8	90.8	60	125	
Ge (IS)	74	H2	463631.29	1.7	91.7	60	125	
Ge (IS)	74	He	51668.14	1.1	93.0	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	119356.27	0.6	95.6	60	125	
Tb (IS)	159	He	718518.20	0.0	97.2	60	125	
Bi (IS)	209	He	638285.25	0.9	97.3	60	125	

DRAFT

Sample Report

File Name 177SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 18:44:17

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.003	ug/l	57.3	2000	
B	11	6	No Gas	0.689	ug/l	22.0	2000	
Na	23	45	He	567.111	ug/l	2.6	500000	
Mg	24	45	He	1.868	ug/l	50.1	500000	
Al	27	45	He	0.560	ug/l	126.0	500000	
K	39	45	He	9.272	ug/l	41.0	500000	
Ca	40	45	H2	8.039	ug/l	1.4	1000000	
Ti	47	45	No Gas	1.602	ug/l	114.8	10000	
V	51	45	He	-0.404	ug/l	N/A	5000	
Cr	52	45	He	-0.312	ug/l	N/A	20000	
Mn	55	45	He	0.205	ug/l	27.6	20000	
Fe	56	45	H2	2.639	ug/l	5.3	500000	
Co	59	45	He	0.001	ug/l	958.2	2000	
Ni	60	45	He	-0.221	ug/l	N/A	20000	
Cu	63	45	He	0.037	ug/l	83.3	20000	
Zn	66	45	He	0.254	ug/l	169.7	20000	
As	75	45	He	-0.020	ug/l	N/A	5000	
Se	78	45	H2	-0.013	ug/l	N/A	3000	
Sr	88	115	He	0.034	ug/l	26.0	5000	
Mo	95	115	He	0.014	ug/l	197.9	2000	
Ag	107	115	He	0.003	ug/l	0.7	1000	
Cd	111	115	He	0.011	ug/l	86.6	5000	
Sn	118	115	He	0.022	ug/l	350.1	2000	
Sb	121	115	He	-0.023	ug/l	N/A	1000	
Ba	137	159	He	0.353	ug/l	39.7	20000	
Tl	205	209	He	-0.020	ug/l	N/A	1000	
[Pb]	206	209	He	-0.010	ug/l	N/A		
[Pb]	207	209	He	-0.022	ug/l	N/A		
Pb	208	209	He	-0.006	ug/l	N/A	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8776428.90	0.6	93.2	60	125	
Sc (ISICPMS)	45	No Gas	6456826.09	0.4	92.6	60	125	
Sc (ISICPMS)	45	H2	2460287.15	0.3	92.7	60	125	
Sc (ISICPMS)	45	He	98184.54	1.3	91.4	60	125	
Ge (IS)	74	H2	463086.45	0.6	91.6	60	125	
Ge (IS)	74	He	52033.97	0.4	93.6	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	119409.52	0.3	95.6	60	125	
Tb (IS)	159	He	723298.83	1.5	97.8	60	125	
Bi (IS)	209	He	641122.13	0.6	97.7	60	125	

DRAFT

Sample Report

File Name 178SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 18:46:48

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.001	ug/l	192.8	2000	
B	11	6	No Gas	0.631	ug/l	4.8	2000	
Na	23	45	He	551.351	ug/l	1.7	500000	
Mg	24	45	He	0.978	ug/l	111.7	500000	
Al	27	45	He	2.073	ug/l	33.8	500000	
K	39	45	He	19.304	ug/l	32.8	500000	
Ca	40	45	H2	8.426	ug/l	10.7	1000000	
Ti	47	45	No Gas	0.347	ug/l	27.8	10000	
V	51	45	He	-0.343	ug/l	N/A	5000	
Cr	52	45	He	-0.248	ug/l	N/A	20000	
Mn	55	45	He	0.132	ug/l	29.2	20000	
Fe	56	45	H2	2.808	ug/l	12.8	500000	
Co	59	45	He	-0.011	ug/l	N/A	2000	
Ni	60	45	He	-0.279	ug/l	N/A	20000	
Cu	63	45	He	-0.025	ug/l	N/A	20000	
Zn	66	45	He	-0.026	ug/l	N/A	20000	
As	75	45	He	-0.085	ug/l	N/A	5000	
Se	78	45	H2	0.025	ug/l	133.3	3000	
Sr	88	115	He	0.040	ug/l	99.0	5000	
Mo	95	115	He	0.049	ug/l	38.7	2000	
Ag	107	115	He	0.001	ug/l	73.0	1000	
Cd	111	115	He	0.011	ug/l	86.6	5000	
Sn	118	115	He	-0.073	ug/l	N/A	2000	
Sb	121	115	He	0.000	ug/l	N/A	1000	
Ba	137	159	He	0.289	ug/l	20.6	20000	
Tl	205	209	He	-0.022	ug/l	N/A	1000	
[Pb]	206	209	He	0.007	ug/l	135.7		
[Pb]	207	209	He	-0.026	ug/l	N/A		
Pb	208	209	He	-0.003	ug/l	N/A	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8768150.01	0.3	93.1	60	125	
Sc (ISICPMS)	45	No Gas	6408386.64	1.3	92.0	60	125	
Sc (ISICPMS)	45	H2	2454228.68	0.9	92.5	60	125	
Sc (ISICPMS)	45	He	97862.67	0.9	91.1	60	125	
Ge (IS)	74	H2	465246.49	0.8	92.0	60	125	
Ge (IS)	74	He	51978.33	1.2	93.5	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	118428.85	0.6	94.9	60	125	
Tb (IS)	159	He	721605.37	0.9	97.6	60	125	
Bi (IS)	209	He	640679.98	1.1	97.7	60	125	

DRAFT

Sample Report

File Name 179SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 18:49:17

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.002	ug/l	129.9	2000	
B	11	6	No Gas	0.513	ug/l	18.6	2000	
Na	23	45	He	520.493	ug/l	1.5	500000	
Mg	24	45	He	1.089	ug/l	38.1	500000	
Al	27	45	He	2.017	ug/l	76.4	500000	
K	39	45	He	21.150	ug/l	42.3	500000	
Ca	40	45	H2	8.229	ug/l	8.7	1000000	
Ti	47	45	No Gas	0.307	ug/l	47.0	10000	
V	51	45	He	-0.331	ug/l	N/A	5000	
Cr	52	45	He	-0.403	ug/l	N/A	20000	
Mn	55	45	He	0.165	ug/l	40.3	20000	
Fe	56	45	H2	2.621	ug/l	14.8	500000	
Co	59	45	He	-0.009	ug/l	N/A	2000	
Ni	60	45	He	-0.197	ug/l	N/A	20000	
Cu	63	45	He	0.001	ug/l	3149.8	20000	
Zn	66	45	He	0.028	ug/l	708.4	20000	
As	75	45	He	-0.234	ug/l	N/A	5000	
Se	78	45	H2	-0.024	ug/l	N/A	3000	
Sr	88	115	He	0.024	ug/l	100.6	5000	
Mo	95	115	He	0.045	ug/l	86.9	2000	
Ag	107	115	He	-0.001	ug/l	N/A	1000	
Cd	111	115	He	0.016	ug/l	99.0	5000	
Sn	118	115	He	0.028	ug/l	439.4	2000	
Sb	121	115	He	-0.002	ug/l	N/A	1000	
Ba	137	159	He	0.263	ug/l	37.0	20000	
Tl	205	209	He	-0.014	ug/l	N/A	1000	
[Pb]	206	209	He	0.009	ug/l	295.1		
[Pb]	207	209	He	-0.008	ug/l	N/A		
Pb	208	209	He	0.000	ug/l	N/A	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8973977.02	0.7	95.3	60	125	
Sc (ISICPMS)	45	No Gas	6582358.17	0.5	94.4	60	125	
Sc (ISICPMS)	45	H2	2545421.18	1.2	95.9	60	125	
Sc (ISICPMS)	45	He	104157.36	0.8	97.0	60	125	
Ge (IS)	74	H2	479427.63	1.2	94.8	60	125	
Ge (IS)	74	He	54902.95	1.6	98.8	60	125	
Kr	83	He	6.67	86.6	200.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	125188.82	1.6	100.3	60	125	
Tb (IS)	159	He	738013.09	1.8	99.8	60	125	
Bi (IS)	209	He	653125.04	1.3	99.6	60	125	

DRAFT

Sample Report

File Name 180SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 18:51:47

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.001	ug/l	141.7	2000	
B	11	6	No Gas	0.260	ug/l	112.1	2000	
Na	23	45	He	460.993	ug/l	1.3	500000	
Mg	24	45	He	0.229	ug/l	68.7	500000	
Al	27	45	He	1.514	ug/l	64.5	500000	
K	39	45	He	22.186	ug/l	43.2	500000	
Ca	40	45	H2	7.336	ug/l	4.9	1000000	
Ti	47	45	No Gas	0.470	ug/l	11.2	10000	
V	51	45	He	-0.278	ug/l	N/A	5000	
Cr	52	45	He	-0.077	ug/l	N/A	20000	
Mn	55	45	He	0.165	ug/l	9.7	20000	
Fe	56	45	H2	2.123	ug/l	5.1	500000	
Co	59	45	He	-0.003	ug/l	N/A	2000	
Ni	60	45	He	-0.225	ug/l	N/A	20000	
Cu	63	45	He	-0.027	ug/l	N/A	20000	
Zn	66	45	He	-0.198	ug/l	N/A	20000	
As	75	45	He	-0.127	ug/l	N/A	5000	
Se	78	45	H2	0.001	ug/l	6079.8	3000	
Sr	88	115	He	0.036	ug/l	127.2	5000	
Mo	95	115	He	0.047	ug/l	120.4	2000	
Ag	107	115	He	0.003	ug/l	109.0	1000	
Cd	111	115	He	0.011	ug/l	86.6	5000	
Sn	118	115	He	0.000	ug/l	N/A	2000	
Sb	121	115	He	-0.027	ug/l	N/A	1000	
Ba	137	159	He	0.174	ug/l	73.6	20000	
Tl	205	209	He	-0.028	ug/l	N/A	1000	
[Pb]	206	209	He	-0.020	ug/l	N/A		
[Pb]	207	209	He	-0.026	ug/l	N/A		
Pb	208	209	He	-0.011	ug/l	N/A	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9158831.81	1.6	97.3	60	125	
Sc (ISICPMS)	45	No Gas	6721147.19	2.1	96.4	60	125	
Sc (ISICPMS)	45	H2	2622826.73	0.1	98.8	60	125	
Sc (ISICPMS)	45	He	104883.85	1.0	97.7	60	125	
Ge (IS)	74	H2	491465.72	1.1	97.2	60	125	
Ge (IS)	74	He	55625.89	1.6	100.1	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	127215.70	1.8	101.9	60	125	
Tb (IS)	159	He	745124.94	2.2	100.8	60	125	
Bi (IS)	209	He	659714.61	2.6	100.6	60	125	

DRAFT

Sample Report

File Name 181SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 18:54:16

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.003	ug/l	82.9	2000	
B	11	6	No Gas	0.257	ug/l	2.0	2000	
Na	23	45	He	408.680	ug/l	1.2	500000	
Mg	24	45	He	0.295	ug/l	203.3	500000	
Al	27	45	He	-0.040	ug/l	N/A	500000	
K	39	45	He	14.808	ug/l	44.5	500000	
Ca	40	45	H2	5.933	ug/l	12.8	1000000	
Ti	47	45	No Gas	0.652	ug/l	56.5	10000	
V	51	45	He	-0.291	ug/l	N/A	5000	
Cr	52	45	He	-0.207	ug/l	N/A	20000	
Mn	55	45	He	0.093	ug/l	97.8	20000	
Fe	56	45	H2	0.927	ug/l	51.7	500000	
Co	59	45	He	-0.005	ug/l	N/A	2000	
Ni	60	45	He	-0.242	ug/l	N/A	20000	
Cu	63	45	He	-0.004	ug/l	N/A	20000	
Zn	66	45	He	0.071	ug/l	795.4	20000	
As	75	45	He	-0.253	ug/l	N/A	5000	
Se	78	45	H2	-0.017	ug/l	N/A	3000	
Sr	88	115	He	0.049	ug/l	64.9	5000	
Mo	95	115	He	0.035	ug/l	121.4	2000	
Ag	107	115	He	-0.001	ug/l	N/A	1000	
Cd	111	115	He	0.005	ug/l	173.2	5000	
Sn	118	115	He	-0.041	ug/l	N/A	2000	
Sb	121	115	He	0.006	ug/l	429.0	1000	
Ba	137	159	He	0.098	ug/l	84.0	20000	
Tl	205	209	He	-0.036	ug/l	N/A	1000	
[Pb]	206	209	He	-0.012	ug/l	N/A		
[Pb]	207	209	He	-0.041	ug/l	N/A		
Pb	208	209	He	-0.016	ug/l	N/A	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9293474.24	0.5	98.7	60	125	
Sc (ISICPMS)	45	No Gas	6869198.37	1.0	98.6	60	125	
Sc (ISICPMS)	45	H2	2632732.51	1.1	99.2	60	125	
Sc (ISICPMS)	45	He	105670.81	0.2	98.4	60	125	
Ge (IS)	74	H2	492034.75	1.3	97.3	60	125	
Ge (IS)	74	He	55351.25	1.1	99.6	60	125	
Kr	83	He	0.00	N/A	0.0			

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Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	127575.60	0.5	102.2	60	125	
Tb (IS)	159	He	757853.48	0.7	102.5	60	125	
Bi (IS)	209	He	667576.86	1.0	101.8	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 182_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 18:56:46

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	98.075	ug/l	1.2	100	90	110	
B	11	6	No Gas	249.520	ug/l	1.2	250	225	275	
Na	23	45	He	26089.179	ug/l	0.2	25000	22500	27500	
Mg	24	45	He	25746.386	ug/l	0.9	25000	22500	27500	
Al	27	45	He	25684.346	ug/l	0.1	25000	22500	27500	
K	39	45	He	25782.093	ug/l	1.0	25000	22500	27500	
Ca	40	45	H2	25872.907	ug/l	0.9	25000	22500	27500	
Ti	47	45	No Gas	101.541	ug/l	1.4	100	90	110	
V	51	45	He	99.621	ug/l	1.4	100	90	110	
Cr	52	45	He	99.713	ug/l	0.3	100	90	110	
Mn	55	45	He	103.234	ug/l	1.1	100	90	110	
Fe	56	45	H2	25788.037	ug/l	0.8	25000	22500	27500	
Co	59	45	He	100.271	ug/l	0.7	100	90	110	
Ni	60	45	He	98.749	ug/l	0.7	100	90	110	
Cu	63	45	He	99.200	ug/l	0.6	100	90	110	
Zn	66	45	He	251.619	ug/l	1.7	250	225	275	
As	75	45	He	101.079	ug/l	0.7	100	90	110	
Se	78	45	H2	102.393	ug/l	0.9	100	90	110	
Sr	88	115	He	101.229	ug/l	0.5	100	90	110	
Mo	95	115	He	98.922	ug/l	0.2	100	90	110	
Ag	107	115	He	50.049	ug/l	0.9	50	45	55	
Cd	111	115	He	102.719	ug/l	2.3	100	90	110	
Sn	118	115	He	104.278	ug/l	1.7	100	90	110	
Sb	121	115	He	102.664	ug/l	0.9	100	90	110	
Ba	137	159	He	101.460	ug/l	1.2	100	90	110	
Tl	205	209	He	102.716	ug/l	0.7	100	90	110	
[Pb]	206	209	He	102.535	ug/l	1.0				
[Pb]	207	209	He	102.546	ug/l	0.3				
Pb	208	209	He	102.192	ug/l	0.8	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	8998615.49	1.1	95.6	60	125	
Sc (ISICPMS)	45	No Gas	6595374.21	0.8	94.6	60	125	
Sc (ISICPMS)	45	H2	2502929.68	0.6	94.3	60	125	
Sc (ISICPMS)	45	He	103482.00	0.6	96.4	60	125	
Ge (IS)	74	H2	483274.68	0.9	95.6	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	55718.48	1.1	100.3	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	122931.84	0.5	98.5	60	125	
Tb (IS)	159	He	741175.36	0.5	100.3	60	125	
Bi (IS)	209	He	637506.57	1.2	97.2	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 183_Blk.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 18:59:14

Sample Name **CCB**

Comment ---

Dilution 1.0000

Analyte Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.011	ug/l	23.4	0.8	-0.8	0.8	
B	11	6	No Gas	2.357	ug/l	7.0	40	-40	40	
Na	23	45	He	386.465	ug/l	1.7	500	-500	500	
Mg	24	45	He	-0.309	ug/l	N/A	200	-200	200	
Al	27	45	He	1.330	ug/l	60.9	40	-40	40	
K	39	45	He	20.673	ug/l	65.7	200	-200	200	
Ca	40	45	H2	10.578	ug/l	5.6	500	-500	500	
Ti	47	45	No Gas	1.170	ug/l	6.1	4	-4	4	
V	51	45	He	-0.133	ug/l	N/A	4	-4	4	
Cr	52	45	He	0.206	ug/l	31.4	4	-4	4	
Mn	55	45	He	0.201	ug/l	25.3	8	-8	8	
Fe	56	45	H2	5.095	ug/l	0.4	60	-60	60	
Co	59	45	He	0.008	ug/l	96.8	4	-4	4	
Ni	60	45	He	-0.002	ug/l	N/A	4	-4	4	
Cu	63	45	He	-0.077	ug/l	N/A	4	-4	4	
Zn	66	45	He	-0.032	ug/l	N/A	16	-16	16	
As	75	45	He	-0.045	ug/l	N/A	2	-2	2	
Se	78	45	H2	0.295	ug/l	10.2	2.5	-2.5	2.5	
Sr	88	115	He	0.053	ug/l	56.0	4	-4	4	
Mo	95	115	He	0.141	ug/l	32.2	4	-4	4	
Ag	107	115	He	0.002	ug/l	56.9	2	-2	2	
Cd	111	115	He	0.000	ug/l	N/A	2	-2	2	
Sn	118	115	He	0.446	ug/l	63.2	16	-16	16	
Sb	121	115	He	0.059	ug/l	25.4	2	-2	2	
Ba	137	159	He	0.120	ug/l	47.2	4	-4	4	
Tl	205	209	He	-0.029	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	-0.014	ug/l	N/A				
[Pb]	207	209	He	-0.038	ug/l	N/A				
Pb	208	209	He	-0.021	ug/l	N/A	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	9066398.54	0.5	96.3	60	125	
Sc (ISICPMS)	45	No Gas	6598628.93	0.7	94.7	60	125	
Sc (ISICPMS)	45	H2	2569816.39	0.5	96.8	60	125	
Sc (ISICPMS)	45	He	103790.62	0.8	96.7	60	125	
Ge (IS)	74	H2	486480.44	1.0	96.2	60	125	
Ge (IS)	74	He	54776.92	0.4	98.6	60	125	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	124680.68	1.0	99.9	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	743383.34	0.7	100.6	60	125	
Bi (IS)	209	He	656967.51	1.4	100.1	60	125	

DRAFT

Sample Report

File Name 184SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 19:01:44

Sample Name **460-307027-A-2-F**

Comment ---

Dilution **1.0000**

Vial # 2101

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	3.709	ug/l	2.2	2000	
B	11	6	No Gas	186.041	ug/l	1.5	2000	
Na	23	45	He	1924.820	ug/l	2.0	500000	
Mg	24	45	He	62329.729	ug/l	0.5	500000	
Al	27	45	He	55887.621	ug/l	0.2	500000	
K	39	45	He	44182.720	ug/l	0.5	500000	
Ca	40	45	H2	48403.482	ug/l	0.6	1000000	
Ti	47	45	No Gas	9786.645	ug/l	2.2	10000	>LDR 200.8
V	51	45	He	277.763	ug/l	1.5	5000	
Cr	52	45	He	443.899	ug/l	0.4	20000	
Mn	55	45	He	1793.471	ug/l	0.4	20000	
Fe	56	45	H2	179968.329	ug/l	0.3	500000	
Co	59	45	He	108.583	ug/l	0.7	2000	
Ni	60	45	He	347.837	ug/l	0.4	20000	
Cu	63	45	He	703.920	ug/l	0.6	20000	
Zn	66	45	He	150.355	ug/l	1.4	20000	
As	75	45	He	9.938	ug/l	9.6	5000	
Se	78	45	H2	4.252	ug/l	8.9	3000	
Sr	88	115	He	34.503	ug/l	2.2	5000	
Mo	95	115	He	48.260	ug/l	0.8	2000	
Ag	107	115	He	0.272	ug/l	7.5	1000	
Cd	111	115	He	0.127	ug/l	54.1	5000	
Sn	118	115	He	21.361	ug/l	2.1	2000	
Sb	121	115	He	0.120	ug/l	19.3	1000	
Ba	137	159	He	288.736	ug/l	1.4	20000	
Tl	205	209	He	2.577	ug/l	0.6	1000	
[Pb]	206	209	He	34.148	ug/l	1.5		
[Pb]	207	209	He	14.843	ug/l	1.2		
Pb	208	209	He	24.093	ug/l	1.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9056607.92	0.2	96.2	60	125	
Sc (ISICPMS)	45	No Gas	6943665.31	1.4	99.6	60	125	
Sc (ISICPMS)	45	H2	2719049.99	0.6	102.5	60	125	
Sc (ISICPMS)	45	He	109583.56	1.0	102.1	60	125	
Ge (IS)	74	H2	499735.32	0.7	98.8	60	125	
Ge (IS)	74	He	57885.24	0.9	104.2	60	125	
Kr	83	He	160.17	16.5	4800.2			

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Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	122479.75	1.0	98.1	60	125	
Tb (IS)	159	He	792999.96	0.6	107.3	60	125	
Bi (IS)	209	He	635556.24	0.4	96.9	60	125	

DRAFT

Sample Report

File Name 185SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 19:04:13

Sample Name **460-307028-A-1-F**

Comment ---

Dilution **1.0000**

Vial # 2102

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	4.235	ug/l	1.0	2000	
B	11	6	No Gas	224.935	ug/l	1.4	2000	
Na	23	45	He	2535.900	ug/l	0.3	500000	
Mg	24	45	He	77812.063	ug/l	0.3	500000	
Al	27	45	He	69123.091	ug/l	0.3	500000	
K	39	45	He	55448.725	ug/l	0.3	500000	
Ca	40	45	H2	58958.211	ug/l	1.4	1000000	
Ti	47	45	No Gas	12448.422	ug/l	1.1	10000	>LDR 6020B□>LDR 200.8
V	51	45	He	368.597	ug/l	0.2	5000	
Cr	52	45	He	502.358	ug/l	0.1	20000	
Mn	55	45	He	1300.602	ug/l	0.2	20000	
Fe	56	45	H2	216726.956	ug/l	2.0	500000	
Co	59	45	He	139.657	ug/l	0.5	2000	
Ni	60	45	He	393.827	ug/l	0.6	20000	
Cu	63	45	He	604.781	ug/l	0.8	20000	
Zn	66	45	He	176.048	ug/l	1.1	20000	
As	75	45	He	18.184	ug/l	7.2	5000	
Se	78	45	H2	4.889	ug/l	6.3	3000	
Sr	88	115	He	43.298	ug/l	2.6	5000	
Mo	95	115	He	85.038	ug/l	1.8	2000	
Ag	107	115	He	0.210	ug/l	9.0	1000	
Cd	111	115	He	0.148	ug/l	10.3	5000	
Sn	118	115	He	25.671	ug/l	3.7	2000	
Sb	121	115	He	0.048	ug/l	59.4	1000	
Ba	137	159	He	367.109	ug/l	2.3	20000	
Tl	205	209	He	3.148	ug/l	2.0	1000	
[Pb]	206	209	He	72.238	ug/l	1.1		
[Pb]	207	209	He	29.389	ug/l	1.9		
Pb	208	209	He	47.144	ug/l	1.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9182201.18	0.5	97.5	60	125	
Sc (ISICPMS)	45	No Gas	7063281.08	0.5	101.3	60	125	
Sc (ISICPMS)	45	H2	2754926.49	0.9	103.8	60	125	
Sc (ISICPMS)	45	He	111284.84	0.1	103.6	60	125	
Ge (IS)	74	H2	505566.13	0.7	100.0	60	125	
Ge (IS)	74	He	58135.10	0.8	104.6	60	125	
Kr	83	He	173.52	18.5	5200.3			

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Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	123491.73	0.8	98.9	60	125	
Tb (IS)	159	He	801694.58	1.1	108.4	60	125	
Bi (IS)	209	He	632553.22	1.4	96.4	60	125	

DRAFT

Sample Report

File Name 186SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 19:06:44

Sample Name **460-307030-B-1-A**

Comment ---

Dilution **1.0000**

Vial # 2103

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	1.577	ug/l	1.1	2000	
B	11	6	No Gas	44.002	ug/l	1.8	2000	
Na	23	45	He	13109.547	ug/l	0.2	500000	
Mg	24	45	He	11800.024	ug/l	1.0	500000	
Al	27	45	He	39960.183	ug/l	0.7	500000	
K	39	45	He	6669.226	ug/l	0.6	500000	
Ca	40	45	H2	21652.236	ug/l	2.0	1000000	
Ti	47	45	No Gas	1019.125	ug/l	0.8	10000	
V	51	45	He	80.549	ug/l	1.2	5000	
Cr	52	45	He	388.362	ug/l	0.7	20000	
Mn	55	45	He	746.169	ug/l	1.1	20000	
Fe	56	45	H2	53847.093	ug/l	1.5	500000	
Co	59	45	He	17.752	ug/l	2.0	2000	
Ni	60	45	He	34.035	ug/l	2.3	20000	
Cu	63	45	He	179.965	ug/l	1.0	20000	
Zn	66	45	He	638.212	ug/l	1.0	20000	
As	75	45	He	452.181	ug/l	1.5	5000	
Se	78	45	H2	2.130	ug/l	16.7	3000	
Sr	88	115	He	229.463	ug/l	0.9	5000	
Mo	95	115	He	11.070	ug/l	1.4	2000	
Ag	107	115	He	0.227	ug/l	16.1	1000	
Cd	111	115	He	3.555	ug/l	11.9	5000	
Sn	118	115	He	23.219	ug/l	2.8	2000	
Sb	121	115	He	4.415	ug/l	5.4	1000	
Ba	137	159	He	1629.678	ug/l	0.3	20000	
Tl	205	209	He	0.660	ug/l	1.3	1000	
[Pb]	206	209	He	2508.416	ug/l	0.5		
[Pb]	207	209	He	2387.981	ug/l	0.5		
Pb	208	209	He	2433.422	ug/l	0.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9061650.98	1.5	96.3	60	125	
Sc (ISICPMS)	45	No Gas	6804394.97	0.6	97.6	60	125	
Sc (ISICPMS)	45	H2	2624090.55	0.4	98.9	60	125	
Sc (ISICPMS)	45	He	105251.20	0.5	98.0	60	125	
Ge (IS)	74	H2	508639.61	0.7	100.6	60	125	
Ge (IS)	74	He	56656.85	1.0	102.0	60	125	
Kr	83	He	10.01	100.0	300.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	122524.97	0.7	98.1	60	125	
Tb (IS)	159	He	737215.10	0.5	99.7	60	125	
Bi (IS)	209	He	644562.23	0.7	98.3	60	125	

DRAFT

Sample Report

File Name 187SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 19:09:13

Sample Name **460-307052-A-15-B**

Comment ---

Dilution **1.0000**

Vial # 2104

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	2.879	ug/l	3.5	2000	
B	11	6	No Gas	81.929	ug/l	1.7	2000	
Na	23	45	He	63431.242	ug/l	0.9	500000	
Mg	24	45	He	74838.278	ug/l	0.6	500000	
Al	27	45	He	40768.202	ug/l	0.3	500000	
K	39	45	He	10974.992	ug/l	0.3	500000	
Ca	40	45	H2	477442.146	ug/l	1.4	1000000	
Ti	47	45	No Gas	1996.417	ug/l	0.7	10000	
V	51	45	He	109.961	ug/l	0.7	5000	
Cr	52	45	He	81.714	ug/l	0.1	20000	
Mn	55	45	He	1800.872	ug/l	0.3	20000	
Fe	56	45	H2	65603.571	ug/l	3.9	500000	
Co	59	45	He	34.153	ug/l	0.9	2000	
Ni	60	45	He	116.886	ug/l	1.2	20000	
Cu	63	45	He	91.111	ug/l	0.2	20000	
Zn	66	45	He	314.348	ug/l	1.2	20000	
As	75	45	He	28.913	ug/l	3.1	5000	
Se	78	45	H2	1.832	ug/l	10.4	3000	
Sr	88	115	He	823.716	ug/l	1.5	5000	
Mo	95	115	He	6.468	ug/l	5.8	2000	
Ag	107	115	He	0.236	ug/l	7.6	1000	
Cd	111	115	He	0.795	ug/l	16.4	5000	
Sn	118	115	He	23.327	ug/l	4.3	2000	
Sb	121	115	He	1.511	ug/l	2.7	1000	
Ba	137	159	He	423.237	ug/l	1.2	20000	
Tl	205	209	He	0.712	ug/l	3.9	1000	
[Pb]	206	209	He	103.272	ug/l	0.8		
[Pb]	207	209	He	96.523	ug/l	0.7		
Pb	208	209	He	99.371	ug/l	0.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8771105.15	0.5	93.2	60	125	
Sc (ISICPMS)	45	No Gas	6660069.35	0.8	95.6	60	125	
Sc (ISICPMS)	45	H2	2630264.87	2.3	99.1	60	125	
Sc (ISICPMS)	45	He	105367.24	1.0	98.1	60	125	
Ge (IS)	74	H2	498046.43	1.4	98.5	60	125	
Ge (IS)	74	He	56445.71	0.5	101.6	60	125	
Kr	83	He	23.36	49.5	700.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	121047.96	1.1	96.9	60	125	
Tb (IS)	159	He	738550.69	0.9	99.9	60	125	
Bi (IS)	209	He	618250.79	0.9	94.2	60	125	

DRAFT

Sample Report

File Name 188SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 19:11:45

Sample Name **460-307052-A-16-B**

Comment ---

Dilution **1.0000**

Vial # 2105

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	3.890	ug/l	2.7	2000	
B	11	6	No Gas	66.043	ug/l	2.2	2000	
Na	23	45	He	54973.786	ug/l	1.2	500000	
Mg	24	45	He	86736.404	ug/l	0.8	500000	
Al	27	45	He	56718.443	ug/l	1.3	500000	
K	39	45	He	16257.078	ug/l	0.7	500000	
Ca	40	45	H2	415954.929	ug/l	1.6	1000000	
Ti	47	45	No Gas	2288.848	ug/l	1.9	10000	
V	51	45	He	138.512	ug/l	1.4	5000	
Cr	52	45	He	166.865	ug/l	1.4	20000	
Mn	55	45	He	2081.486	ug/l	1.1	20000	
Fe	56	45	H2	93639.863	ug/l	4.0	500000	
Co	59	45	He	52.638	ug/l	2.0	2000	
Ni	60	45	He	371.062	ug/l	1.2	20000	
Cu	63	45	He	124.697	ug/l	1.5	20000	
Zn	66	45	He	383.554	ug/l	1.1	20000	
As	75	45	He	33.169	ug/l	2.3	5000	
Se	78	45	H2	2.016	ug/l	3.3	3000	
Sr	88	115	He	1110.822	ug/l	1.7	5000	
Mo	95	115	He	5.997	ug/l	1.6	2000	
Ag	107	115	He	0.377	ug/l	1.6	1000	
Cd	111	115	He	0.823	ug/l	19.5	5000	
Sn	118	115	He	24.008	ug/l	1.1	2000	
Sb	121	115	He	0.965	ug/l	7.8	1000	
Ba	137	159	He	648.305	ug/l	0.8	20000	
Tl	205	209	He	0.889	ug/l	2.3	1000	
[Pb]	206	209	He	185.508	ug/l	1.0		
[Pb]	207	209	He	173.366	ug/l	1.1		
Pb	208	209	He	179.111	ug/l	0.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8939478.55	1.4	95.0	60	125	
Sc (ISICPMS)	45	No Gas	6766098.10	0.4	97.1	60	125	
Sc (ISICPMS)	45	H2	2630398.99	2.4	99.1	60	125	
Sc (ISICPMS)	45	He	107388.52	0.6	100.0	60	125	
Ge (IS)	74	H2	494261.08	1.5	97.8	60	125	
Ge (IS)	74	He	56557.45	0.8	101.8	60	125	
Kr	83	He	33.37	69.3	1000.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	121559.43	1.0	97.4	60	125	
Tb (IS)	159	He	743601.01	0.5	100.6	60	125	
Bi (IS)	209	He	619481.82	0.6	94.4	60	125	

DRAFT

Sample Report

File Name 189SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 19:14:15

Sample Name **460-307098-B-1-A**

Comment ---

Dilution **1.0000**

Vial # 2106

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	2.837	ug/l	2.1	2000	
B	11	6	No Gas	77.805	ug/l	1.5	2000	
Na	23	45	He	3682.127	ug/l	0.7	500000	
Mg	24	45	He	159159.428	ug/l	1.1	500000	
Al	27	45	He	51115.203	ug/l	0.4	500000	
K	39	45	He	4465.227	ug/l	1.3	500000	
Ca	40	45	H2	495569.873	ug/l	1.3	1000000	
Ti	47	45	No Gas	2175.885	ug/l	1.2	10000	
V	51	45	He	1021.219	ug/l	0.7	5000	
Cr	52	45	He	77.114	ug/l	0.5	20000	
Mn	55	45	He	1467.536	ug/l	1.0	20000	
Fe	56	45	H2	88792.258	ug/l	2.6	500000	
Co	59	45	He	66.001	ug/l	0.7	2000	
Ni	60	45	He	148.307	ug/l	0.7	20000	
Cu	63	45	He	867.764	ug/l	0.8	20000	
Zn	66	45	He	1351.737	ug/l	0.7	20000	
As	75	45	He	32.955	ug/l	3.0	5000	
Se	78	45	H2	2.735	ug/l	4.9	3000	
Sr	88	115	He	860.964	ug/l	1.1	5000	
Mo	95	115	He	10.896	ug/l	2.3	2000	
Ag	107	115	He	1.505	ug/l	1.0	1000	
Cd	111	115	He	1.349	ug/l	15.3	5000	
Sn	118	115	He	74.077	ug/l	2.3	2000	
Sb	121	115	He	9.014	ug/l	4.1	1000	
Ba	137	159	He	384.159	ug/l	1.0	20000	
Tl	205	209	He	0.292	ug/l	9.6	1000	
[Pb]	206	209	He	889.129	ug/l	0.6		
[Pb]	207	209	He	872.307	ug/l	0.9		
Pb	208	209	He	879.928	ug/l	0.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9074568.75	0.4	96.4	60	125	
Sc (ISICPMS)	45	No Gas	6798290.04	0.4	97.5	60	125	
Sc (ISICPMS)	45	H2	2744301.87	1.2	103.4	60	125	
Sc (ISICPMS)	45	He	108896.69	0.5	101.4	60	125	
Ge (IS)	74	H2	500490.13	1.8	99.0	60	125	
Ge (IS)	74	He	58127.33	1.3	104.6	60	125	
Kr	83	He	46.71	68.9	1400.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	125801.02	1.0	100.8	60	125	
Tb (IS)	159	He	756502.38	1.0	102.3	60	125	
Bi (IS)	209	He	628640.84	1.4	95.8	60	125	

DRAFT

Sample Report

File Name 190SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 19:16:46

Sample Name **460-307098-B-2-A**

Comment ---

Dilution **1.0000**

Vial # 2107

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	8.279	ug/l	1.7	2000	
B	11	6	No Gas	223.410	ug/l	1.4	2000	
Na	23	45	He	17704.440	ug/l	1.5	500000	
Mg	24	45	He	59393.344	ug/l	1.3	500000	
Al	27	45	He	106770.088	ug/l	1.9	500000	
K	39	45	He	15472.923	ug/l	1.4	500000	
Ca	40	45	H2	344580.349	ug/l	0.8	1000000	
Ti	47	45	No Gas	3862.121	ug/l	2.7	10000	
V	51	45	He	667.869	ug/l	1.3	5000	
Cr	52	45	He	523.326	ug/l	1.5	20000	
Mn	55	45	He	2702.433	ug/l	1.8	20000	
Fe	56	45	H2	486844.570	ug/l	2.7	500000	>LDR 200.8
Co	59	45	He	289.367	ug/l	1.4	2000	
Ni	60	45	He	895.665	ug/l	1.0	20000	
Cu	63	45	He	38098.440	ug/l	1.0	20000	>LDR 6020B□>LDR 200.8
Zn	66	45	He	43361.104	ug/l	1.5	20000	>LDR 6020B□>LDR 200.8
As	75	45	He	357.137	ug/l	0.0	5000	
Se	78	45	H2	52.378	ug/l	1.0	3000	
Sr	88	115	He	1147.988	ug/l	0.2	5000	
Mo	95	115	He	201.049	ug/l	0.7	2000	
Ag	107	115	He	56.470	ug/l	0.9	1000	
Cd	111	115	He	131.337	ug/l	0.8	5000	
Sn	118	115	He	1920.639	ug/l	0.4	2000	>LDR 200.8
Sb	121	115	He	60.886	ug/l	0.2	1000	
Ba	137	159	He	3724.181	ug/l	0.8	20000	
Tl	205	209	He	2.538	ug/l	1.1	1000	
[Pb]	206	209	He	11154.284	ug/l	0.8		
[Pb]	207	209	He	10989.297	ug/l	1.3		
Pb	208	209	He	11041.476	ug/l	0.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9427223.40	0.4	100.1	60	125	
Sc (ISICPMS)	45	No Gas	7171222.32	1.1	102.9	60	125	
Sc (ISICPMS)	45	H2	2875578.08	2.2	108.4	60	125	
Sc (ISICPMS)	45	He	116633.34	1.2	108.6	60	125	
Ge (IS)	74	H2	518455.85	0.6	102.6	60	125	
Ge (IS)	74	He	60659.55	0.7	109.2	60	125	
Kr	83	He	60.06	44.1	1800.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	165887.94	1.0	132.9	60	125	fail
Tb (IS)	159	He	782885.72	0.6	105.9	60	125	
Bi (IS)	209	He	847787.33	1.2	129.2	60	125	fail

DRAFT

Sample Report

File Name 191SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 19:19:16

Sample Name **460-307098-B-4-A**

Comment ---

Dilution **1.0000**

Vial # 2108

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	2.894	ug/l	4.5	2000	
B	11	6	No Gas	150.411	ug/l	2.5	2000	
Na	23	45	He	5659.012	ug/l	0.2	500000	
Mg	24	45	He	82544.467	ug/l	0.7	500000	
Al	27	45	He	62065.403	ug/l	0.8	500000	
K	39	45	He	5701.820	ug/l	0.9	500000	
Ca	40	45	H2	320802.839	ug/l	2.8	1000000	
Ti	47	45	No Gas	2990.190	ug/l	3.2	10000	
V	51	45	He	669.251	ug/l	0.9	5000	
Cr	52	45	He	121.759	ug/l	0.6	20000	
Mn	55	45	He	1520.650	ug/l	1.5	20000	
Fe	56	45	H2	128279.374	ug/l	3.9	500000	
Co	59	45	He	71.195	ug/l	2.0	2000	
Ni	60	45	He	143.834	ug/l	1.3	20000	
Cu	63	45	He	879.882	ug/l	1.1	20000	
Zn	66	45	He	8084.630	ug/l	1.2	20000	
As	75	45	He	41.068	ug/l	1.5	5000	
Se	78	45	H2	3.423	ug/l	11.6	3000	
Sr	88	115	He	857.476	ug/l	1.1	5000	
Mo	95	115	He	13.292	ug/l	3.6	2000	
Ag	107	115	He	3.184	ug/l	2.4	1000	
Cd	111	115	He	19.517	ug/l	2.1	5000	
Sn	118	115	He	73.295	ug/l	2.1	2000	
Sb	121	115	He	6.750	ug/l	2.7	1000	
Ba	137	159	He	485.647	ug/l	0.3	20000	
Tl	205	209	He	0.347	ug/l	4.1	1000	
[Pb]	206	209	He	1037.598	ug/l	0.4		
[Pb]	207	209	He	1007.628	ug/l	0.2		
Pb	208	209	He	1016.061	ug/l	0.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9583850.62	1.3	101.8	60	125	
Sc (ISICPMS)	45	No Gas	7332887.88	0.9	105.2	60	125	
Sc (ISICPMS)	45	H2	2848293.15	1.5	107.3	60	125	
Sc (ISICPMS)	45	He	116501.21	1.0	108.5	60	125	
Ge (IS)	74	H2	528212.16	1.1	104.5	60	125	
Ge (IS)	74	He	61473.07	1.5	110.6	60	125	
Kr	83	He	26.69	21.7	800.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	133199.44	1.5	106.7	60	125	
Tb (IS)	159	He	791012.50	1.3	107.0	60	125	
Bi (IS)	209	He	665725.04	0.8	101.5	60	125	

DRAFT

Sample Report

File Name 192SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 19:21:48

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.002	ug/l	63.8	2000	
B	11	6	No Gas	2.869	ug/l	2.9	2000	
Na	23	45	He	180.461	ug/l	4.1	500000	
Mg	24	45	He	1.468	ug/l	17.4	500000	
Al	27	45	He	-0.089	ug/l	N/A	500000	
K	39	45	He	5.064	ug/l	216.9	500000	
Ca	40	45	H2	23.673	ug/l	1.5	1000000	
Ti	47	45	No Gas	2.313	ug/l	8.3	10000	
V	51	45	He	-0.661	ug/l	N/A	5000	
Cr	52	45	He	-0.221	ug/l	N/A	20000	
Mn	55	45	He	0.128	ug/l	54.8	20000	
Fe	56	45	H2	8.022	ug/l	8.8	500000	
Co	59	45	He	0.042	ug/l	33.5	2000	
Ni	60	45	He	-0.213	ug/l	N/A	20000	
Cu	63	45	He	1.105	ug/l	6.6	20000	
Zn	66	45	He	0.780	ug/l	21.7	20000	
As	75	45	He	-0.219	ug/l	N/A	5000	
Se	78	45	H2	0.016	ug/l	340.1	3000	
Sr	88	115	He	0.235	ug/l	9.0	5000	
Mo	95	115	He	0.065	ug/l	79.5	2000	
Ag	107	115	He	0.003	ug/l	199.2	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	0.219	ug/l	70.2	2000	
Sb	121	115	He	-0.036	ug/l	N/A	1000	
Ba	137	159	He	0.450	ug/l	36.7	20000	
Tl	205	209	He	-0.049	ug/l	N/A	1000	
[Pb]	206	209	He	0.063	ug/l	29.6		
[Pb]	207	209	He	0.056	ug/l	30.8		
Pb	208	209	He	0.072	ug/l	21.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9749046.24	1.1	103.6	60	125	
Sc (ISICPMS)	45	No Gas	7178231.91	0.7	103.0	60	125	
Sc (ISICPMS)	45	H2	2724910.58	1.0	102.7	60	125	
Sc (ISICPMS)	45	He	110244.92	1.1	102.7	60	125	
Ge (IS)	74	H2	514855.19	1.2	101.8	60	125	
Ge (IS)	74	He	58174.21	0.4	104.7	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	131572.11	0.9	105.4	60	125	
Tb (IS)	159	He	773730.52	0.4	104.7	60	125	
Bi (IS)	209	He	688624.24	0.8	105.0	60	125	

DRAFT

Sample Report

File Name 193SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 19:24:17

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.000	ug/l	N/A	2000	
B	11	6	No Gas	1.339	ug/l	12.6	2000	
Na	23	45	He	195.623	ug/l	3.7	500000	
Mg	24	45	He	0.677	ug/l	39.0	500000	
Al	27	45	He	-0.669	ug/l	N/A	500000	
K	39	45	He	6.996	ug/l	101.1	500000	
Ca	40	45	H2	17.230	ug/l	2.2	1000000	
Ti	47	45	No Gas	1.293	ug/l	7.2	10000	
V	51	45	He	-0.711	ug/l	N/A	5000	
Cr	52	45	He	-0.111	ug/l	N/A	20000	
Mn	55	45	He	0.148	ug/l	69.8	20000	
Fe	56	45	H2	2.878	ug/l	7.5	500000	
Co	59	45	He	0.022	ug/l	72.0	2000	
Ni	60	45	He	-0.118	ug/l	N/A	20000	
Cu	63	45	He	0.559	ug/l	7.0	20000	
Zn	66	45	He	0.478	ug/l	8.7	20000	
As	75	45	He	-0.135	ug/l	N/A	5000	
Se	78	45	H2	-0.053	ug/l	N/A	3000	
Sr	88	115	He	0.167	ug/l	28.9	5000	
Mo	95	115	He	0.054	ug/l	27.2	2000	
Ag	107	115	He	0.002	ug/l	81.2	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	0.144	ug/l	130.5	2000	
Sb	121	115	He	-0.011	ug/l	N/A	1000	
Ba	137	159	He	0.301	ug/l	14.1	20000	
Tl	205	209	He	-0.048	ug/l	N/A	1000	
[Pb]	206	209	He	0.008	ug/l	253.0		
[Pb]	207	209	He	-0.005	ug/l	N/A		
Pb	208	209	He	0.018	ug/l	52.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9571598.12	0.7	101.7	60	125	
Sc (ISICPMS)	45	No Gas	7019685.87	0.6	100.7	60	125	
Sc (ISICPMS)	45	H2	2658146.85	1.0	100.2	60	125	
Sc (ISICPMS)	45	He	107045.32	0.1	99.7	60	125	
Ge (IS)	74	H2	497931.38	0.7	98.5	60	125	
Ge (IS)	74	He	57128.86	0.8	102.8	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	129361.76	0.7	103.6	60	125	
Tb (IS)	159	He	768767.91	0.4	104.0	60	125	
Bi (IS)	209	He	681709.87	0.3	103.9	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 194_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 19:26:47

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	97.493	ug/l	2.5	100	90	110	
B	11	6	No Gas	249.109	ug/l	2.2	250	225	275	
Na	23	45	He	25835.340	ug/l	0.9	25000	22500	27500	
Mg	24	45	He	25583.509	ug/l	0.8	25000	22500	27500	
Al	27	45	He	25477.798	ug/l	0.7	25000	22500	27500	
K	39	45	He	25925.591	ug/l	0.4	25000	22500	27500	
Ca	40	45	H2	25811.337	ug/l	2.0	25000	22500	27500	
Ti	47	45	No Gas	101.554	ug/l	2.5	100	90	110	
V	51	45	He	99.182	ug/l	0.8	100	90	110	
Cr	52	45	He	100.005	ug/l	0.6	100	90	110	
Mn	55	45	He	104.040	ug/l	0.9	100	90	110	
Fe	56	45	H2	25848.114	ug/l	1.9	25000	22500	27500	
Co	59	45	He	100.732	ug/l	0.5	100	90	110	
Ni	60	45	He	99.154	ug/l	1.4	100	90	110	
Cu	63	45	He	99.996	ug/l	1.1	100	90	110	
Zn	66	45	He	253.110	ug/l	1.8	250	225	275	
As	75	45	He	99.236	ug/l	1.8	100	90	110	
Se	78	45	H2	101.842	ug/l	1.9	100	90	110	
Sr	88	115	He	103.362	ug/l	1.5	100	90	110	
Mo	95	115	He	99.906	ug/l	1.3	100	90	110	
Ag	107	115	He	50.608	ug/l	1.2	50	45	55	
Cd	111	115	He	103.614	ug/l	1.2	100	90	110	
Sn	118	115	He	104.811	ug/l	0.9	100	90	110	
Sb	121	115	He	102.152	ug/l	2.4	100	90	110	
Ba	137	159	He	104.762	ug/l	2.4	100	90	110	
Tl	205	209	He	102.588	ug/l	0.5	100	90	110	
[Pb]	206	209	He	102.850	ug/l	0.4				
[Pb]	207	209	He	103.014	ug/l	0.7				
Pb	208	209	He	102.729	ug/l	0.6	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	9323240.07	0.4	99.0	60	125	
Sc (ISICPMS)	45	No Gas	6810209.27	0.9	97.7	60	125	
Sc (ISICPMS)	45	H2	2595899.08	1.1	97.8	60	125	
Sc (ISICPMS)	45	He	106003.03	0.3	98.7	60	125	
Ge (IS)	74	H2	495467.35	1.4	98.0	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	56585.45	0.2	101.8	60	125	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	125341.29	1.3	100.4	60	125	
Tb (IS)	159	He	751912.29	0.2	101.7	60	125	
Bi (IS)	209	He	647950.93	0.7	98.8	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 195_Blk.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 19:29:16

Sample Name **CCB**

Comment ---

Dilution 1.0000

Multiquant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.012	ug/l	37.2	0.8	-0.8	0.8	
B	11	6	No Gas	3.010	ug/l	5.4	40	-40	40	
Na	23	45	He	206.418	ug/l	0.5	500	-500	500	
Mg	24	45	He	1.268	ug/l	59.1	200	-200	200	
Al	27	45	He	-1.121	ug/l	N/A	40	-40	40	
K	39	45	He	15.950	ug/l	27.1	200	-200	200	
Ca	40	45	H2	20.385	ug/l	7.3	500	-500	500	
Ti	47	45	No Gas	1.543	ug/l	11.9	4	-4	4	
V	51	45	He	-0.556	ug/l	N/A	4	-4	4	
Cr	52	45	He	0.028	ug/l	542.9	4	-4	4	
Mn	55	45	He	0.082	ug/l	207.8	8	-8	8	
Fe	56	45	H2	4.912	ug/l	6.2	60	-60	60	
Co	59	45	He	0.034	ug/l	14.4	4	-4	4	
Ni	60	45	He	-0.023	ug/l	N/A	4	-4	4	
Cu	63	45	He	0.290	ug/l	12.0	4	-4	4	
Zn	66	45	He	0.376	ug/l	160.4	16	-16	16	
As	75	45	He	0.000	ug/l	N/A	2	-2	2	
Se	78	45	H2	0.259	ug/l	25.4	2.5	-2.5	2.5	
Sr	88	115	He	0.081	ug/l	42.3	4	-4	4	
Mo	95	115	He	0.104	ug/l	64.9	4	-4	4	
Ag	107	115	He	-0.001	ug/l	N/A	2	-2	2	
Cd	111	115	He	0.000	ug/l	N/A	2	-2	2	
Sn	118	115	He	0.366	ug/l	113.6	16	-16	16	
Sb	121	115	He	0.008	ug/l	174.8	2	-2	2	
Ba	137	159	He	0.224	ug/l	83.5	4	-4	4	
Tl	205	209	He	-0.032	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	-0.002	ug/l	N/A				
[Pb]	207	209	He	-0.011	ug/l	N/A				
Pb	208	209	He	0.001	ug/l	823.3	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	9430651.32	0.7	100.2	60	125	
Sc (ISICPMS)	45	No Gas	6924413.93	0.6	99.4	60	125	
Sc (ISICPMS)	45	H2	2629884.54	0.8	99.1	60	125	
Sc (ISICPMS)	45	He	107530.55	0.3	100.1	60	125	
Ge (IS)	74	H2	499296.29	0.4	98.8	60	125	
Ge (IS)	74	He	57182.17	1.1	102.9	60	125	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	127979.40	0.9	102.5	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	762222.79	1.0	103.1	60	125	
Bi (IS)	209	He	673645.34	0.9	102.7	60	125	

DRAFT

Sample Report

File Name 196SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 19:32:51

Sample Name **460-307098-B-5-A**

Comment ---

Dilution **1.0000**

Vial # 2109

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	6.068	ug/l	0.2	2000	
B	11	6	No Gas	171.045	ug/l	0.7	2000	
Na	23	45	He	10298.720	ug/l	1.0	500000	
Mg	24	45	He	42327.752	ug/l	1.1	500000	
Al	27	45	He	97177.024	ug/l	0.8	500000	
K	39	45	He	9950.420	ug/l	0.6	500000	
Ca	40	45	H2	198461.978	ug/l	3.5	1000000	
Ti	47	45	No Gas	2681.439	ug/l	1.1	10000	
V	51	45	He	612.620	ug/l	1.2	5000	
Cr	52	45	He	398.862	ug/l	1.0	20000	
Mn	55	45	He	2312.812	ug/l	1.0	20000	
Fe	56	45	H2	288355.744	ug/l	4.9	500000	
Co	59	45	He	159.791	ug/l	0.7	2000	
Ni	60	45	He	605.758	ug/l	0.3	20000	
Cu	63	45	He	24714.732	ug/l	0.7	20000	>LDR 6020B□>LDR 200.8
Zn	66	45	He	22908.401	ug/l	0.3	20000	>LDR 6020B□>LDR 200.8
As	75	45	He	274.832	ug/l	1.0	5000	
Se	78	45	H2	41.046	ug/l	5.5	3000	
Sr	88	115	He	785.075	ug/l	0.7	5000	
Mo	95	115	He	46.996	ug/l	1.7	2000	
Ag	107	115	He	51.739	ug/l	0.3	1000	
Cd	111	115	He	128.059	ug/l	0.8	5000	
Sn	118	115	He	1107.532	ug/l	1.1	2000	
Sb	121	115	He	54.679	ug/l	1.4	1000	
Ba	137	159	He	2426.631	ug/l	0.2	20000	
Tl	205	209	He	2.024	ug/l	2.1	1000	
[Pb]	206	209	He	9202.611	ug/l	1.6		
[Pb]	207	209	He	9059.020	ug/l	0.9		
Pb	208	209	He	9090.694	ug/l	1.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9242290.07	1.0	98.2	60	125	
Sc (ISICPMS)	45	No Gas	6972640.73	0.8	100.0	60	125	
Sc (ISICPMS)	45	H2	2795152.14	2.2	105.3	60	125	
Sc (ISICPMS)	45	He	113601.64	0.8	105.8	60	125	
Ge (IS)	74	H2	518606.75	1.5	102.6	60	125	
Ge (IS)	74	He	60296.75	1.2	108.5	60	125	
Kr	83	He	20.02	NaN	600.0			

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Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	146470.95	1.7	117.3	60	125	
Tb (IS)	159	He	781587.13	1.5	105.7	60	125	
Bi (IS)	209	He	827547.49	2.0	126.1	60	125	fail

DRAFT

Sample Report

File Name 197SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 19:35:22

Sample Name **460-307098-C-7-A**

Comment ---

Dilution **1.0000**

Vial # 2110

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	2.086	ug/l	2.2	2000	
B	11	6	No Gas	206.751	ug/l	0.9	2000	
Na	23	45	He	5142.042	ug/l	0.3	500000	
Mg	24	45	He	61924.091	ug/l	0.7	500000	
Al	27	45	He	68821.562	ug/l	0.2	500000	
K	39	45	He	2453.891	ug/l	0.1	500000	
Ca	40	45	H2	229832.806	ug/l	2.1	1000000	
Ti	47	45	No Gas	3725.691	ug/l	1.4	10000	
V	51	45	He	889.490	ug/l	0.1	5000	
Cr	52	45	He	136.194	ug/l	0.9	20000	
Mn	55	45	He	2309.247	ug/l	0.2	20000	
Fe	56	45	H2	149396.225	ug/l	2.0	500000	
Co	59	45	He	97.609	ug/l	0.4	2000	
Ni	60	45	He	155.983	ug/l	0.6	20000	
Cu	63	45	He	659.818	ug/l	0.8	20000	
Zn	66	45	He	1104.961	ug/l	0.9	20000	
As	75	45	He	31.611	ug/l	4.3	5000	
Se	78	45	H2	1.631	ug/l	11.0	3000	
Sr	88	115	He	296.654	ug/l	0.6	5000	
Mo	95	115	He	8.773	ug/l	1.8	2000	
Ag	107	115	He	1.425	ug/l	3.0	1000	
Cd	111	115	He	3.209	ug/l	4.5	5000	
Sn	118	115	He	28.536	ug/l	4.1	2000	
Sb	121	115	He	4.411	ug/l	6.1	1000	
Ba	137	159	He	305.266	ug/l	0.4	20000	
Tl	205	209	He	0.189	ug/l	3.9	1000	
[Pb]	206	209	He	796.770	ug/l	0.5		
[Pb]	207	209	He	773.284	ug/l	0.4		
Pb	208	209	He	783.091	ug/l	0.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9960690.75	0.5	105.8	60	125	
Sc (ISICPMS)	45	No Gas	7587047.66	0.6	108.9	60	125	
Sc (ISICPMS)	45	H2	2963294.58	1.7	111.7	60	125	
Sc (ISICPMS)	45	He	119435.87	0.6	111.2	60	125	
Ge (IS)	74	H2	539137.20	1.7	106.6	60	125	
Ge (IS)	74	He	62621.67	0.7	112.7	60	125	
Kr	83	He	40.04	43.3	1200.0			

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Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	137072.56	0.4	109.8	60	125	
Tb (IS)	159	He	808355.80	0.2	109.3	60	125	
Bi (IS)	209	He	679547.96	0.5	103.6	60	125	

DRAFT

Sample Report

File Name 198SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 19:37:52

Sample Name **460-307098-B-8-A**

Comment ---

Dilution **1.0000**

Vial # 2111

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	8.707	ug/l	3.2	2000	
B	11	6	No Gas	48.885	ug/l	1.8	2000	
Na	23	45	He	926.722	ug/l	1.1	500000	
Mg	24	45	He	19418.173	ug/l	0.2	500000	
Al	27	45	He	66138.681	ug/l	0.3	500000	
K	39	45	He	7704.480	ug/l	0.7	500000	
Ca	40	45	H2	21011.571	ug/l	0.5	1000000	
Ti	47	45	No Gas	1915.671	ug/l	1.4	10000	
V	51	45	He	283.772	ug/l	0.9	5000	
Cr	52	45	He	140.825	ug/l	0.1	20000	
Mn	55	45	He	2184.334	ug/l	0.4	20000	
Fe	56	45	H2	159919.998	ug/l	0.3	500000	
Co	59	45	He	70.693	ug/l	0.6	2000	
Ni	60	45	He	146.770	ug/l	0.2	20000	
Cu	63	45	He	1342.668	ug/l	0.9	20000	
Zn	66	45	He	2352.972	ug/l	0.3	20000	
As	75	45	He	57.980	ug/l	3.4	5000	
Se	78	45	H2	4.554	ug/l	3.8	3000	
Sr	88	115	He	141.428	ug/l	1.9	5000	
Mo	95	115	He	10.490	ug/l	3.2	2000	
Ag	107	115	He	1.728	ug/l	0.4	1000	
Cd	111	115	He	2.763	ug/l	7.7	5000	
Sn	118	115	He	90.270	ug/l	0.2	2000	
Sb	121	115	He	9.438	ug/l	0.6	1000	
Ba	137	159	He	561.380	ug/l	0.4	20000	
Tl	205	209	He	0.897	ug/l	2.2	1000	
[Pb]	206	209	He	830.358	ug/l	1.3		
[Pb]	207	209	He	817.141	ug/l	0.8		
Pb	208	209	He	823.953	ug/l	0.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10032868.88	0.6	106.6	60	125	
Sc (ISICPMS)	45	No Gas	7645441.69	0.9	109.7	60	125	
Sc (ISICPMS)	45	H2	2988897.73	0.9	112.6	60	125	
Sc (ISICPMS)	45	He	121872.74	0.6	113.5	60	125	
Ge (IS)	74	H2	556049.03	0.7	110.0	60	125	
Ge (IS)	74	He	64414.55	1.4	115.9	60	125	
Kr	83	He	56.72	44.4	1700.0			

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Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	136934.03	0.7	109.7	60	125	
Tb (IS)	159	He	832003.78	0.7	112.5	60	125	
Bi (IS)	209	He	704541.78	1.2	107.4	60	125	

DRAFT

Sample Report

File Name 199SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 19:40:23

Sample Name **460-307098-B-10-A**

Comment ---

Dilution **1.0000**

Vial # 2112

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	9.135	ug/l	1.5	2000	
B	11	6	No Gas	72.205	ug/l	2.1	2000	
Na	23	45	He	3684.591	ug/l	0.6	500000	
Mg	24	45	He	38691.342	ug/l	0.6	500000	
Al	27	45	He	92843.882	ug/l	0.2	500000	
K	39	45	He	11529.180	ug/l	0.8	500000	
Ca	40	45	H2	116819.742	ug/l	1.3	1000000	
Ti	47	45	No Gas	2760.764	ug/l	0.6	10000	
V	51	45	He	397.691	ug/l	0.3	5000	
Cr	52	45	He	247.015	ug/l	0.7	20000	
Mn	55	45	He	1806.879	ug/l	0.7	20000	
Fe	56	45	H2	308710.444	ug/l	0.1	500000	
Co	59	45	He	152.672	ug/l	0.3	2000	
Ni	60	45	He	299.443	ug/l	1.2	20000	
Cu	63	45	He	9596.387	ug/l	0.5	20000	
Zn	66	45	He	10605.262	ug/l	0.8	20000	
As	75	45	He	69.228	ug/l	0.7	5000	
Se	78	45	H2	5.316	ug/l	5.0	3000	
Sr	88	115	He	460.300	ug/l	0.4	5000	
Mo	95	115	He	17.225	ug/l	0.8	2000	
Ag	107	115	He	2.591	ug/l	0.6	1000	
Cd	111	115	He	3.211	ug/l	2.4	5000	
Sn	118	115	He	489.739	ug/l	0.4	2000	
Sb	121	115	He	16.341	ug/l	3.0	1000	
Ba	137	159	He	1380.879	ug/l	0.4	20000	
Tl	205	209	He	1.176	ug/l	2.4	1000	
[Pb]	206	209	He	3104.509	ug/l	1.0		
[Pb]	207	209	He	3045.151	ug/l	1.3		
Pb	208	209	He	3070.158	ug/l	0.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9988688.39	1.6	106.1	60	125	
Sc (ISICPMS)	45	No Gas	7748469.95	0.7	111.2	60	125	
Sc (ISICPMS)	45	H2	2957976.62	0.1	111.5	60	125	
Sc (ISICPMS)	45	He	118151.30	0.7	110.0	60	125	
Ge (IS)	74	H2	545666.22	1.8	107.9	60	125	
Ge (IS)	74	He	61119.51	1.9	110.0	60	125	
Kr	83	He	116.78	17.8	3500.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	136760.59	0.1	109.5	60	125	
Tb (IS)	159	He	802258.57	0.6	108.5	60	125	
Bi (IS)	209	He	668990.69	1.1	102.0	60	125	

DRAFT

Sample Report

File Name 200SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 19:42:54

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.004	ug/l	15.5	2000	
B	11	6	No Gas	1.907	ug/l	1.9	2000	
Na	23	45	He	147.450	ug/l	1.5	500000	
Mg	24	45	He	3.211	ug/l	9.7	500000	
Al	27	45	He	5.550	ug/l	48.3	500000	
K	39	45	He	-4.154	ug/l	N/A	500000	
Ca	40	45	H2	17.142	ug/l	6.0	1000000	
Ti	47	45	No Gas	2.602	ug/l	9.5	10000	
V	51	45	He	-0.919	ug/l	N/A	5000	
Cr	52	45	He	-0.258	ug/l	N/A	20000	
Mn	55	45	He	0.234	ug/l	66.3	20000	
Fe	56	45	H2	17.767	ug/l	5.4	500000	
Co	59	45	He	0.034	ug/l	9.9	2000	
Ni	60	45	He	-0.048	ug/l	N/A	20000	
Cu	63	45	He	1.757	ug/l	2.0	20000	
Zn	66	45	He	1.166	ug/l	33.0	20000	
As	75	45	He	-0.191	ug/l	N/A	5000	
Se	78	45	H2	0.007	ug/l	11.6	3000	
Sr	88	115	He	0.135	ug/l	22.9	5000	
Mo	95	115	He	0.060	ug/l	36.0	2000	
Ag	107	115	He	0.002	ug/l	106.2	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	0.188	ug/l	60.6	2000	
Sb	121	115	He	-0.030	ug/l	N/A	1000	
Ba	137	159	He	0.430	ug/l	11.6	20000	
Tl	205	209	He	-0.048	ug/l	N/A	1000	
[Pb]	206	209	He	0.305	ug/l	12.6		
[Pb]	207	209	He	0.290	ug/l	13.6		
Pb	208	209	He	0.292	ug/l	10.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9797760.69	0.3	104.1	60	125	
Sc (ISICPMS)	45	No Gas	7233961.91	1.0	103.8	60	125	
Sc (ISICPMS)	45	H2	2739867.25	1.0	103.3	60	125	
Sc (ISICPMS)	45	He	110778.27	0.8	103.2	60	125	
Ge (IS)	74	H2	510188.38	1.0	100.9	60	125	
Ge (IS)	74	He	58257.83	1.0	104.8	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	134239.97	1.6	107.5	60	125	
Tb (IS)	159	He	789823.42	0.9	106.8	60	125	
Bi (IS)	209	He	696504.05	0.3	106.2	60	125	

DRAFT

Sample Report

File Name 201SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 19:45:24

Sample Name **460-307098-B-11-A**

Comment ---

Dilution **1.0000**

Vial # 2201

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	8.552	ug/l	1.7	2000	
B	11	6	No Gas	121.453	ug/l	1.1	2000	
Na	23	45	He	5629.472	ug/l	0.4	500000	
Mg	24	45	He	37550.272	ug/l	0.2	500000	
Al	27	45	He	97377.004	ug/l	0.5	500000	
K	39	45	He	10364.777	ug/l	0.7	500000	
Ca	40	45	H2	160786.252	ug/l	0.6	1000000	
Ti	47	45	No Gas	3266.694	ug/l	2.2	10000	
V	51	45	He	357.341	ug/l	0.6	5000	
Cr	52	45	He	328.131	ug/l	0.6	20000	
Mn	55	45	He	2159.129	ug/l	0.9	20000	
Fe	56	45	H2	362001.736	ug/l	0.9	500000	
Co	59	45	He	178.820	ug/l	1.1	2000	
Ni	60	45	He	432.001	ug/l	0.8	20000	
Cu	63	45	He	16911.645	ug/l	0.5	20000	
Zn	66	45	He	43572.808	ug/l	0.2	20000	>LDR 6020B□>LDR 200.8
As	75	45	He	126.355	ug/l	1.6	5000	
Se	78	45	H2	12.247	ug/l	8.8	3000	
Sr	88	115	He	662.736	ug/l	0.6	5000	
Mo	95	115	He	36.744	ug/l	1.1	2000	
Ag	107	115	He	18.555	ug/l	1.1	1000	
Cd	111	115	He	5.809	ug/l	3.9	5000	
Sn	118	115	He	1995.887	ug/l	1.1	2000	>LDR 200.8
Sb	121	115	He	46.925	ug/l	0.4	1000	
Ba	137	159	He	2271.425	ug/l	0.4	20000	
Tl	205	209	He	1.121	ug/l	0.4	1000	
[Pb]	206	209	He	10469.240	ug/l	0.5		
[Pb]	207	209	He	10215.154	ug/l	0.5		
Pb	208	209	He	10341.356	ug/l	0.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9629059.02	1.1	102.3	60	125	
Sc (ISICPMS)	45	No Gas	7314236.14	0.6	104.9	60	125	
Sc (ISICPMS)	45	H2	2928020.24	1.0	110.3	60	125	
Sc (ISICPMS)	45	He	116129.00	0.4	108.1	60	125	
Ge (IS)	74	H2	529642.27	1.1	104.8	60	125	
Ge (IS)	74	He	61194.12	0.8	110.1	60	125	
Kr	83	He	43.38	58.1	1300.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	137922.28	0.7	110.5	60	125	
Tb (IS)	159	He	793316.96	1.1	107.3	60	125	
Bi (IS)	209	He	707646.41	1.1	107.9	60	125	

DRAFT

Sample Report

File Name 202SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 19:47:55

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.000	ug/l	478.9	2000	
B	11	6	No Gas	2.246	ug/l	5.7	2000	
Na	23	45	He	150.687	ug/l	6.0	500000	
Mg	24	45	He	3.379	ug/l	18.0	500000	
Al	27	45	He	6.007	ug/l	23.7	500000	
K	39	45	He	-7.735	ug/l	N/A	500000	
Ca	40	45	H2	20.651	ug/l	4.1	1000000	
Ti	47	45	No Gas	2.698	ug/l	8.6	10000	
V	51	45	He	-0.932	ug/l	N/A	5000	
Cr	52	45	He	-0.359	ug/l	N/A	20000	
Mn	55	45	He	0.111	ug/l	32.4	20000	
Fe	56	45	H2	31.247	ug/l	1.2	500000	
Co	59	45	He	0.055	ug/l	14.9	2000	
Ni	60	45	He	-0.030	ug/l	N/A	20000	
Cu	63	45	He	2.299	ug/l	6.7	20000	
Zn	66	45	He	3.157	ug/l	4.9	20000	
As	75	45	He	-0.241	ug/l	N/A	5000	
Se	78	45	H2	0.026	ug/l	208.5	3000	
Sr	88	115	He	0.150	ug/l	43.2	5000	
Mo	95	115	He	0.066	ug/l	67.5	2000	
Ag	107	115	He	0.002	ug/l	2.7	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	0.585	ug/l	21.7	2000	
Sb	121	115	He	-0.020	ug/l	N/A	1000	
Ba	137	159	He	0.359	ug/l	27.3	20000	
Tl	205	209	He	-0.049	ug/l	N/A	1000	
[Pb]	206	209	He	0.547	ug/l	10.3		
[Pb]	207	209	He	0.518	ug/l	2.5		
Pb	208	209	He	0.553	ug/l	2.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9467871.18	0.2	100.6	60	125	
Sc (ISICPMS)	45	No Gas	6965036.77	1.4	99.9	60	125	
Sc (ISICPMS)	45	H2	2665726.54	0.7	100.5	60	125	
Sc (ISICPMS)	45	He	106697.09	1.2	99.4	60	125	
Ge (IS)	74	H2	501417.72	1.0	99.2	60	125	
Ge (IS)	74	He	56212.62	0.6	101.2	60	125	
Kr	83	He	6.67	86.6	200.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	128425.79	0.9	102.9	60	125	
Tb (IS)	159	He	761866.83	0.8	103.1	60	125	
Bi (IS)	209	He	673688.61	0.7	102.7	60	125	

DRAFT

Sample Report

File Name 203SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 19:50:25

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.000	ug/l	702.0	2000	
B	11	6	No Gas	1.129	ug/l	6.2	2000	
Na	23	45	He	159.753	ug/l	1.8	500000	
Mg	24	45	He	0.636	ug/l	44.2	500000	
Al	27	45	He	1.345	ug/l	30.6	500000	
K	39	45	He	6.579	ug/l	71.0	500000	
Ca	40	45	H2	10.856	ug/l	6.3	1000000	
Ti	47	45	No Gas	2.228	ug/l	8.9	10000	
V	51	45	He	-0.988	ug/l	N/A	5000	
Cr	52	45	He	-0.169	ug/l	N/A	20000	
Mn	55	45	He	0.077	ug/l	89.7	20000	
Fe	56	45	H2	4.309	ug/l	2.6	500000	
Co	59	45	He	0.007	ug/l	126.5	2000	
Ni	60	45	He	-0.120	ug/l	N/A	20000	
Cu	63	45	He	1.044	ug/l	9.5	20000	
Zn	66	45	He	1.282	ug/l	25.8	20000	
As	75	45	He	-0.251	ug/l	N/A	5000	
Se	78	45	H2	-0.025	ug/l	N/A	3000	
Sr	88	115	He	0.096	ug/l	58.9	5000	
Mo	95	115	He	0.024	ug/l	84.3	2000	
Ag	107	115	He	0.000	ug/l	N/A	1000	
Cd	111	115	He	0.011	ug/l	173.2	5000	
Sn	118	115	He	0.090	ug/l	88.6	2000	
Sb	121	115	He	-0.027	ug/l	N/A	1000	
Ba	137	159	He	0.219	ug/l	62.6	20000	
Tl	205	209	He	-0.051	ug/l	N/A	1000	
[Pb]	206	209	He	0.114	ug/l	9.9		
[Pb]	207	209	He	0.107	ug/l	49.7		
Pb	208	209	He	0.120	ug/l	11.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9387937.70	0.4	99.7	60	125	
Sc (ISICPMS)	45	No Gas	6888725.94	0.7	98.8	60	125	
Sc (ISICPMS)	45	H2	2595826.35	0.1	97.8	60	125	
Sc (ISICPMS)	45	He	104616.22	0.7	97.4	60	125	
Ge (IS)	74	H2	487594.07	0.4	96.4	60	125	
Ge (IS)	74	He	55936.87	0.6	100.7	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	127007.35	1.1	101.7	60	125	
Tb (IS)	159	He	750894.70	0.3	101.6	60	125	
Bi (IS)	209	He	663239.37	0.3	101.1	60	125	

DRAFT

Sample Report

File Name 204SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 19:52:54

Sample Name **460-306240-A-23-A@2**

Comment ---

Dilution **1.0000**

Vial # 2202

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	4.666	ug/l	0.3	2000	
B	11	6	No Gas	36.079	ug/l	0.8	2000	
Na	23	45	He	5474.958	ug/l	0.9	500000	
Mg	24	45	He	1716.934	ug/l	0.5	500000	
Al	27	45	He	31117.947	ug/l	0.7	500000	
K	39	45	He	2779.857	ug/l	1.7	500000	
Ca	40	45	H2	5093.000	ug/l	2.1	1000000	
Ti	47	45	No Gas	1396.218	ug/l	2.3	10000	
V	51	45	He	2983.104	ug/l	0.9	5000	
Cr	52	45	He	70.434	ug/l	0.4	20000	
Mn	55	45	He	59.917	ug/l	1.3	20000	
Fe	56	45	H2	78940.276	ug/l	2.3	500000	
Co	59	45	He	47.315	ug/l	0.7	2000	
Ni	60	45	He	417.212	ug/l	1.1	20000	
Cu	63	45	He	106.393	ug/l	0.5	20000	
Zn	66	45	He	150.776	ug/l	1.9	20000	
As	75	45	He	124.900	ug/l	0.4	5000	
Se	78	45	H2	10.571	ug/l	9.3	3000	
Sr	88	115	He	242.206	ug/l	0.6	5000	
Mo	95	115	He	17.501	ug/l	3.6	2000	
Ag	107	115	He	0.322	ug/l	1.6	1000	
Cd	111	115	He	2.190	ug/l	4.1	5000	
Sn	118	115	He	8.649	ug/l	0.5	2000	
Sb	121	115	He	1.622	ug/l	2.9	1000	
Ba	137	159	He	244.122	ug/l	0.8	20000	
Tl	205	209	He	13.124	ug/l	0.1	1000	
[Pb]	206	209	He	60.249	ug/l	1.6		
[Pb]	207	209	He	57.931	ug/l	1.7		
Pb	208	209	He	58.902	ug/l	1.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9401565.35	0.7	99.9	60	125	
Sc (ISICPMS)	45	No Gas	7018260.24	1.3	100.7	60	125	
Sc (ISICPMS)	45	H2	2676586.75	0.4	100.9	60	125	
Sc (ISICPMS)	45	He	108875.73	1.0	101.4	60	125	
Ge (IS)	74	H2	512806.61	0.2	101.4	60	125	
Ge (IS)	74	He	57704.62	1.5	103.8	60	125	
Kr	83	He	20.02	50.0	600.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	125367.16	1.8	100.4	60	125	
Tb (IS)	159	He	753871.04	1.2	102.0	60	125	
Bi (IS)	209	He	657232.34	1.3	100.2	60	125	

DRAFT

Sample Report

File Name 205SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 19:55:25

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.001	ug/l	225.1	2000	
B	11	6	No Gas	1.307	ug/l	6.0	2000	
Na	23	45	He	156.342	ug/l	3.6	500000	
Mg	24	45	He	0.345	ug/l	146.8	500000	
Al	27	45	He	0.148	ug/l	60.4	500000	
K	39	45	He	9.232	ug/l	72.5	500000	
Ca	40	45	H2	8.462	ug/l	5.8	1000000	
Ti	47	45	No Gas	1.297	ug/l	15.1	10000	
V	51	45	He	-0.832	ug/l	N/A	5000	
Cr	52	45	He	-0.333	ug/l	N/A	20000	
Mn	55	45	He	0.159	ug/l	41.6	20000	
Fe	56	45	H2	7.295	ug/l	0.9	500000	
Co	59	45	He	0.018	ug/l	135.9	2000	
Ni	60	45	He	-0.120	ug/l	N/A	20000	
Cu	63	45	He	0.647	ug/l	16.8	20000	
Zn	66	45	He	0.851	ug/l	49.2	20000	
As	75	45	He	-0.250	ug/l	N/A	5000	
Se	78	45	H2	-0.006	ug/l	N/A	3000	
Sr	88	115	He	0.060	ug/l	84.6	5000	
Mo	95	115	He	0.060	ug/l	28.8	2000	
Ag	107	115	He	0.001	ug/l	539.6	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	0.016	ug/l	1119.0	2000	
Sb	121	115	He	-0.031	ug/l	N/A	1000	
Ba	137	159	He	0.223	ug/l	54.1	20000	
Tl	205	209	He	-0.045	ug/l	N/A	1000	
[Pb]	206	209	He	0.072	ug/l	19.7		
[Pb]	207	209	He	0.051	ug/l	24.3		
Pb	208	209	He	0.059	ug/l	12.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9200382.92	1.0	97.7	60	125	
Sc (ISICPMS)	45	No Gas	6801644.00	0.2	97.6	60	125	
Sc (ISICPMS)	45	H2	2562426.14	0.7	96.6	60	125	
Sc (ISICPMS)	45	He	104413.69	0.4	97.2	60	125	
Ge (IS)	74	H2	488118.33	0.7	96.6	60	125	
Ge (IS)	74	He	55529.99	0.1	99.9	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	126095.24	0.6	101.0	60	125	
Tb (IS)	159	He	740299.72	0.3	100.1	60	125	
Bi (IS)	209	He	662145.06	1.0	100.9	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 206_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 19:57:54

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	99.145	ug/l	1.1	100	90	110	
B	11	6	No Gas	254.330	ug/l	1.1	250	225	275	
Na	23	45	He	25557.131	ug/l	1.1	25000	22500	27500	
Mg	24	45	He	25378.019	ug/l	0.6	25000	22500	27500	
Al	27	45	He	25338.624	ug/l	0.3	25000	22500	27500	
K	39	45	He	25811.299	ug/l	0.2	25000	22500	27500	
Ca	40	45	H2	25561.571	ug/l	1.9	25000	22500	27500	
Ti	47	45	No Gas	103.897	ug/l	2.1	100	90	110	
V	51	45	He	99.393	ug/l	1.9	100	90	110	
Cr	52	45	He	98.959	ug/l	1.3	100	90	110	
Mn	55	45	He	102.061	ug/l	1.2	100	90	110	
Fe	56	45	H2	25443.741	ug/l	1.3	25000	22500	27500	
Co	59	45	He	100.055	ug/l	0.6	100	90	110	
Ni	60	45	He	98.100	ug/l	1.9	100	90	110	
Cu	63	45	He	99.488	ug/l	0.4	100	90	110	
Zn	66	45	He	252.498	ug/l	1.1	250	225	275	
As	75	45	He	99.518	ug/l	0.4	100	90	110	
Se	78	45	H2	101.545	ug/l	2.0	100	90	110	
Sr	88	115	He	102.192	ug/l	1.7	100	90	110	
Mo	95	115	He	100.513	ug/l	1.1	100	90	110	
Ag	107	115	He	50.259	ug/l	1.4	50	45	55	
Cd	111	115	He	102.836	ug/l	0.8	100	90	110	
Sn	118	115	He	102.835	ug/l	0.3	100	90	110	
Sb	121	115	He	102.503	ug/l	1.6	100	90	110	
Ba	137	159	He	103.086	ug/l	1.1	100	90	110	
Tl	205	209	He	101.445	ug/l	1.2	100	90	110	
[Pb]	206	209	He	102.493	ug/l	0.3				
[Pb]	207	209	He	101.641	ug/l	1.0				
Pb	208	209	He	102.041	ug/l	0.5	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	9299101.53	0.9	98.8	60	125	
Sc (ISICPMS)	45	No Gas	6836921.50	0.5	98.1	60	125	
Sc (ISICPMS)	45	H2	2634563.55	1.0	99.3	60	125	
Sc (ISICPMS)	45	He	107131.72	0.8	99.8	60	125	
Ge (IS)	74	H2	501122.83	0.7	99.1	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	57661.12	2.1	103.8	60	125	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	126101.95	1.3	101.0	60	125	
Tb (IS)	159	He	757284.98	1.4	102.4	60	125	
Bi (IS)	209	He	646320.60	1.3	98.5	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 207_Blk.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 20:00:24

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.007	ug/l	49.9	0.8	-0.8	0.8	
B	11	6	No Gas	2.881	ug/l	1.9	40	-40	40	
Na	23	45	He	172.046	ug/l	4.6	500	-500	500	
Mg	24	45	He	1.303	ug/l	64.6	200	-200	200	
Al	27	45	He	0.997	ug/l	74.2	40	-40	40	
K	39	45	He	6.068	ug/l	44.6	200	-200	200	
Ca	40	45	H2	10.735	ug/l	1.9	500	-500	500	
Ti	47	45	No Gas	1.290	ug/l	27.5	4	-4	4	
V	51	45	He	-0.779	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.151	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.064	ug/l	168.1	8	-8	8	
Fe	56	45	H2	5.337	ug/l	3.5	60	-60	60	
Co	59	45	He	0.045	ug/l	32.9	4	-4	4	
Ni	60	45	He	-0.036	ug/l	N/A	4	-4	4	
Cu	63	45	He	0.330	ug/l	28.1	4	-4	4	
Zn	66	45	He	0.445	ug/l	16.4	16	-16	16	
As	75	45	He	-0.070	ug/l	N/A	2	-2	2	
Se	78	45	H2	0.254	ug/l	21.8	2.5	-2.5	2.5	
Sr	88	115	He	0.054	ug/l	192.0	4	-4	4	
Mo	95	115	He	0.129	ug/l	11.1	4	-4	4	
Ag	107	115	He	0.000	ug/l	927.9	2	-2	2	
Cd	111	115	He	0.011	ug/l	173.2	2	-2	2	
Sn	118	115	He	0.104	ug/l	106.0	16	-16	16	
Sb	121	115	He	0.013	ug/l	66.8	2	-2	2	
Ba	137	159	He	0.174	ug/l	39.5	4	-4	4	
Tl	205	209	He	-0.031	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.021	ug/l	25.9				
[Pb]	207	209	He	0.010	ug/l	70.9				
Pb	208	209	He	0.023	ug/l	14.2	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	9305650.00	0.5	98.8	60	125	
Sc (ISICPMS)	45	No Gas	6845579.48	0.6	98.2	60	125	
Sc (ISICPMS)	45	H2	2604541.50	0.8	98.2	60	125	
Sc (ISICPMS)	45	He	106242.13	0.6	98.9	60	125	
Ge (IS)	74	H2	496229.24	0.1	98.2	60	125	
Ge (IS)	74	He	56502.04	0.4	101.7	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	127790.11	0.0	102.3	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	748973.43	0.3	101.3	60	125	
Bi (IS)	209	He	662516.98	0.9	101.0	60	125	

DRAFT

Sample Report

File Name 208SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 20:02:53

Sample Name **MB 460-984171/1-A**

Comment ---

Dilution **1.0000**

Vial # 2301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.006	ug/l	71.0	2000	
B	11	6	No Gas	1.378	ug/l	7.3	2000	
Na	23	45	He	221.137	ug/l	1.3	500000	
Mg	24	45	He	8.372	ug/l	10.9	500000	
Al	27	45	He	12.653	ug/l	7.7	500000	
K	39	45	He	21.830	ug/l	62.2	500000	
Ca	40	45	H2	31.540	ug/l	3.1	1000000	
Ti	47	45	No Gas	1.699	ug/l	17.7	10000	
V	51	45	He	-0.761	ug/l	N/A	5000	
Cr	52	45	He	0.911	ug/l	16.3	20000	
Mn	55	45	He	0.463	ug/l	29.8	20000	
Fe	56	45	H2	43.345	ug/l	3.9	500000	
Co	59	45	He	0.047	ug/l	8.1	2000	
Ni	60	45	He	0.353	ug/l	80.6	20000	
Cu	63	45	He	0.694	ug/l	5.7	20000	
Zn	66	45	He	2.031	ug/l	11.4	20000	
As	75	45	He	-0.115	ug/l	N/A	5000	
Se	78	45	H2	0.047	ug/l	122.0	3000	
Sr	88	115	He	0.102	ug/l	61.6	5000	
Mo	95	115	He	0.098	ug/l	30.1	2000	
Ag	107	115	He	0.004	ug/l	150.9	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	11.631	ug/l	2.1	2000	
Sb	121	115	He	0.044	ug/l	42.0	1000	
Ba	137	159	He	0.201	ug/l	92.3	20000	
Tl	205	209	He	-0.045	ug/l	N/A	1000	
[Pb]	206	209	He	0.676	ug/l	3.8		
[Pb]	207	209	He	0.566	ug/l	6.1		
Pb	208	209	He	0.618	ug/l	0.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9261176.18	1.0	98.4	60	125	
Sc (ISICPMS)	45	No Gas	6802045.04	0.1	97.6	60	125	
Sc (ISICPMS)	45	H2	2605108.21	2.0	98.2	60	125	
Sc (ISICPMS)	45	He	105802.92	0.1	98.5	60	125	
Ge (IS)	74	H2	497430.12	1.6	98.4	60	125	
Ge (IS)	74	He	56815.13	0.4	102.2	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	126669.31	0.9	101.4	60	125	
Tb (IS)	159	He	748352.53	0.9	101.2	60	125	
Bi (IS)	209	He	657417.29	0.5	100.2	60	125	

DRAFT

Sample Report

File Name 209SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 20:05:23

Sample Name **LCSSRM 460-984171/2-A@3**

Comment ---

Dilution **1.0000**

Vial # 2302

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	503.252	ug/l	1.6	2000	
B	11	6	No Gas	743.761	ug/l	1.3	2000	
Na	23	45	He	1776.770	ug/l	1.7	500000	
Mg	24	45	He	5325.978	ug/l	0.9	500000	
Al	27	45	He	19202.320	ug/l	1.6	500000	
K	39	45	He	4011.706	ug/l	0.4	500000	
Ca	40	45	H2	16626.943	ug/l	0.1	1000000	
Ti	47	45	No Gas	960.659	ug/l	1.0	10000	
V	51	45	He	333.545	ug/l	0.6	5000	
Cr	52	45	He	584.086	ug/l	1.0	20000	
Mn	55	45	He	1740.621	ug/l	0.8	20000	
Fe	56	45	H2	20624.942	ug/l	0.4	500000	
Co	59	45	He	264.198	ug/l	0.8	2000	
Ni	60	45	He	1008.901	ug/l	0.2	20000	
Cu	63	45	He	667.888	ug/l	0.8	20000	
Zn	66	45	He	538.474	ug/l	1.1	20000	
As	75	45	He	1018.358	ug/l	0.3	5000	
Se	78	45	H2	544.424	ug/l	0.4	3000	
Sr	88	115	He	443.029	ug/l	0.9	5000	
Mo	95	115	He	432.054	ug/l	0.9	2000	
Ag	107	115	He	260.356	ug/l	0.8	1000	
Cd	111	115	He	690.226	ug/l	1.1	5000	
Sn	118	115	He	245.691	ug/l	0.7	2000	
Sb	121	115	He	255.741	ug/l	0.4	1000	
Ba	137	159	He	1019.994	ug/l	1.0	20000	
Tl	205	209	He	663.294	ug/l	1.1	1000	
[Pb]	206	209	He	314.495	ug/l	0.4		
[Pb]	207	209	He	298.512	ug/l	0.9		
Pb	208	209	He	303.009	ug/l	0.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9602690.14	0.6	102.0	60	125	
Sc (ISICPMS)	45	No Gas	6851478.58	0.9	98.3	60	125	
Sc (ISICPMS)	45	H2	2676753.66	0.6	100.9	60	125	
Sc (ISICPMS)	45	He	107790.79	1.2	100.4	60	125	
Ge (IS)	74	H2	518076.79	1.4	102.5	60	125	
Ge (IS)	74	He	59212.01	0.5	106.6	60	125	
Kr	83	He	10.01	100.0	300.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	128337.37	0.3	102.8	60	125	
Tb (IS)	159	He	765179.27	1.1	103.5	60	125	
Bi (IS)	209	He	659620.65	1.1	100.5	60	125	

DRAFT

Sample Report

File Name 210SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 20:07:51

Sample Name **PDS 460-307007-A-16-A**

Comment ---

Dilution **1.0000**

Vial # 2303

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	42.693	ug/l	0.8	2000	
B	11	6	No Gas	524.786	ug/l	1.6	2000	
Na	23	45	He	2764.500	ug/l	0.3	500000	
Mg	24	45	He	17684.558	ug/l	0.9	500000	
Al	27	45	He	69296.685	ug/l	0.1	500000	
K	39	45	He	3147.700	ug/l	1.0	500000	
Ca	40	45	H2	15559.554	ug/l	0.6	1000000	
Ti	47	45	No Gas	870.808	ug/l	1.7	10000	
V	51	45	He	201.913	ug/l	0.3	5000	
Cr	52	45	He	132.669	ug/l	1.3	20000	
Mn	55	45	He	12438.684	ug/l	0.5	20000	
Fe	56	45	H2	407581.302	ug/l	0.7	500000	
Co	59	45	He	57.157	ug/l	0.7	2000	
Ni	60	45	He	88.545	ug/l	0.4	20000	
Cu	63	45	He	150.901	ug/l	0.2	20000	
Zn	66	45	He	299.625	ug/l	0.6	20000	
As	75	45	He	68.582	ug/l	1.8	5000	
Se	78	45	H2	50.094	ug/l	0.6	3000	
Sr	88	115	He	167.898	ug/l	0.6	5000	
Mo	95	115	He	54.422	ug/l	1.9	2000	
Ag	107	115	He	24.057	ug/l	2.0	1000	
Cd	111	115	He	25.448	ug/l	1.9	5000	
Sn	118	115	He	64.299	ug/l	0.8	2000	
Sb	121	115	He	26.705	ug/l	0.9	1000	
Ba	137	159	He	257.826	ug/l	2.5	20000	
Tl	205	209	He	20.379	ug/l	0.9	1000	
[Pb]	206	209	He	53.650	ug/l	0.2		
[Pb]	207	209	He	51.056	ug/l	1.3		
Pb	208	209	He	52.543	ug/l	1.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9316366.53	1.1	99.0	60	125	
Sc (ISICPMS)	45	No Gas	7368231.63	0.4	105.7	60	125	
Sc (ISICPMS)	45	H2	2892330.30	0.7	109.0	60	125	
Sc (ISICPMS)	45	He	116724.07	0.9	108.7	60	125	
Ge (IS)	74	H2	522111.61	0.7	103.3	60	125	
Ge (IS)	74	He	59876.18	1.3	107.8	60	125	
Kr	83	He	63.40	24.1	1900.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	129651.71	0.7	103.8	60	125	
Tb (IS)	159	He	783077.39	0.7	105.9	60	125	
Bi (IS)	209	He	660092.53	1.1	100.6	60	125	

DRAFT

Sample Report

File Name 211SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 20:10:22

Sample Name **460-307007-A-16-C MS**

Comment ---

Dilution **1.0000**

Vial # 2304

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	65.242	ug/l	1.6	2000	
B	11	6	No Gas	764.696	ug/l	1.5	2000	
Na	23	45	He	4947.539	ug/l	1.1	500000	
Mg	24	45	He	21640.927	ug/l	1.7	500000	
Al	27	45	He	89295.038	ug/l	1.5	500000	
K	39	45	He	5462.025	ug/l	1.0	500000	
Ca	40	45	H2	16537.524	ug/l	0.6	1000000	
Ti	47	45	No Gas	971.604	ug/l	1.5	10000	
V	51	45	He	256.477	ug/l	1.1	5000	
Cr	52	45	He	180.241	ug/l	1.5	20000	
Mn	55	45	He	18452.695	ug/l	1.8	20000	>LDR 200.8
Fe	56	45	H2	428367.742	ug/l	0.6	500000	
Co	59	45	He	84.829	ug/l	1.1	2000	
Ni	60	45	He	130.026	ug/l	0.7	20000	
Cu	63	45	He	190.020	ug/l	0.8	20000	
Zn	66	45	He	507.360	ug/l	0.1	20000	
As	75	45	He	109.865	ug/l	2.1	5000	
Se	78	45	H2	91.039	ug/l	1.4	3000	
Sr	88	115	He	208.421	ug/l	1.1	5000	
Mo	95	115	He	95.046	ug/l	1.7	2000	
Ag	107	115	He	47.295	ug/l	0.3	1000	
Cd	111	115	He	47.922	ug/l	1.4	5000	
Sn	118	115	He	95.995	ug/l	1.4	2000	
Sb	121	115	He	15.076	ug/l	2.6	1000	
Ba	137	159	He	289.128	ug/l	1.1	20000	
Tl	205	209	He	39.015	ug/l	0.2	1000	
[Pb]	206	209	He	79.377	ug/l	0.5		
[Pb]	207	209	He	75.867	ug/l	1.1		
Pb	208	209	He	77.712	ug/l	0.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9530101.87	1.0	101.2	60	125	
Sc (ISICPMS)	45	No Gas	7588924.89	0.6	108.9	60	125	
Sc (ISICPMS)	45	H2	2967074.85	0.7	111.8	60	125	
Sc (ISICPMS)	45	He	115787.55	0.9	107.8	60	125	
Ge (IS)	74	H2	540126.09	1.4	106.8	60	125	
Ge (IS)	74	He	58843.83	0.4	105.9	60	125	
Kr	83	He	30.03	66.7	900.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	128512.76	1.5	102.9	60	125	
Tb (IS)	159	He	782080.28	1.1	105.8	60	125	
Bi (IS)	209	He	652609.29	0.3	99.5	60	125	

DRAFT

Sample Report

File Name 212SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 20:12:51

Sample Name **460-307007-A-16-B DU**

Comment ---

Dilution **1.0000**

Vial # 2305

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	12.985	ug/l	2.4	2000	
B	11	6	No Gas	24.512	ug/l	1.4	2000	
Na	23	45	He	330.022	ug/l	4.6	500000	
Mg	24	45	He	15702.682	ug/l	1.3	500000	
Al	27	45	He	64802.811	ug/l	1.9	500000	
K	39	45	He	665.986	ug/l	4.0	500000	
Ca	40	45	H2	12462.584	ug/l	0.9	1000000	
Ti	47	45	No Gas	925.180	ug/l	1.0	10000	
V	51	45	He	155.326	ug/l	1.4	5000	
Cr	52	45	He	91.832	ug/l	0.6	20000	
Mn	55	45	He	8883.679	ug/l	1.0	20000	
Fe	56	45	H2	305035.492	ug/l	0.9	500000	
Co	59	45	He	25.267	ug/l	2.4	2000	
Ni	60	45	He	35.143	ug/l	0.1	20000	
Cu	63	45	He	90.975	ug/l	2.0	20000	
Zn	66	45	He	58.476	ug/l	2.9	20000	
As	75	45	He	13.827	ug/l	9.7	5000	
Se	78	45	H2	1.490	ug/l	13.7	3000	
Sr	88	115	He	122.169	ug/l	1.2	5000	
Mo	95	115	He	3.709	ug/l	1.3	2000	
Ag	107	115	He	0.049	ug/l	12.3	1000	
Cd	111	115	He	0.054	ug/l	121.9	5000	
Sn	118	115	He	15.472	ug/l	5.4	2000	
Sb	121	115	He	0.692	ug/l	2.8	1000	
Ba	137	159	He	151.459	ug/l	1.7	20000	
Tl	205	209	He	0.052	ug/l	19.9	1000	
[Pb]	206	209	He	23.854	ug/l	0.8		
[Pb]	207	209	He	22.298	ug/l	1.1		
Pb	208	209	He	23.135	ug/l	0.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9401787.22	1.0	99.9	60	125	
Sc (ISICPMS)	45	No Gas	7389230.10	0.7	106.0	60	125	
Sc (ISICPMS)	45	H2	2871308.22	0.3	108.2	60	125	
Sc (ISICPMS)	45	He	112182.32	1.3	104.5	60	125	
Ge (IS)	74	H2	525589.73	0.8	104.0	60	125	
Ge (IS)	74	He	58379.71	0.8	105.1	60	125	
Kr	83	He	63.40	32.9	1900.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	125504.65	0.9	100.5	60	125	
Tb (IS)	159	He	772944.62	0.8	104.6	60	125	
Bi (IS)	209	He	651289.13	1.2	99.3	60	125	

DRAFT

Sample Report

File Name 213SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 20:15:22

Sample Name **460-307007-A-16-A**

Comment ---

Dilution **1.0000**

Vial # 2306

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	18.305	ug/l	1.4	2000	
B	11	6	No Gas	18.710	ug/l	1.8	2000	
Na	23	45	He	328.494	ug/l	0.9	500000	
Mg	24	45	He	15415.859	ug/l	0.5	500000	
Al	27	45	He	68074.467	ug/l	0.2	500000	
K	39	45	He	701.670	ug/l	0.7	500000	
Ca	40	45	H2	12014.665	ug/l	0.8	1000000	
Ti	47	45	No Gas	831.233	ug/l	1.3	10000	
V	51	45	He	157.166	ug/l	0.5	5000	
Cr	52	45	He	85.706	ug/l	0.4	20000	
Mn	55	45	He	12415.685	ug/l	0.7	20000	
Fe	56	45	H2	406237.981	ug/l	0.8	500000	
Co	59	45	He	34.147	ug/l	1.0	2000	
Ni	60	45	He	41.362	ug/l	2.0	20000	
Cu	63	45	He	106.106	ug/l	1.1	20000	
Zn	66	45	He	71.292	ug/l	1.8	20000	
As	75	45	He	19.605	ug/l	10.5	5000	
Se	78	45	H2	1.717	ug/l	5.7	3000	
Sr	88	115	He	116.953	ug/l	2.4	5000	
Mo	95	115	He	4.305	ug/l	4.4	2000	
Ag	107	115	He	0.047	ug/l	15.6	1000	
Cd	111	115	He	0.120	ug/l	29.2	5000	
Sn	118	115	He	14.614	ug/l	3.3	2000	
Sb	121	115	He	0.711	ug/l	12.7	1000	
Ba	137	159	He	208.175	ug/l	0.9	20000	
Tl	205	209	He	0.080	ug/l	12.0	1000	
[Pb]	206	209	He	27.491	ug/l	0.7		
[Pb]	207	209	He	25.593	ug/l	1.0		
Pb	208	209	He	26.565	ug/l	0.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9263081.11	0.2	98.4	60	125	
Sc (ISICPMS)	45	No Gas	7268303.71	0.5	104.3	60	125	
Sc (ISICPMS)	45	H2	2822470.55	0.3	106.4	60	125	
Sc (ISICPMS)	45	He	110954.80	0.5	103.3	60	125	
Ge (IS)	74	H2	507034.58	0.5	100.3	60	125	
Ge (IS)	74	He	57391.03	1.1	103.3	60	125	
Kr	83	He	73.41	86.6	2200.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	123820.64	1.0	99.2	60	125	
Tb (IS)	159	He	762929.17	1.3	103.2	60	125	
Bi (IS)	209	He	642710.38	0.6	98.0	60	125	

DRAFT

Sample Report

File Name 214SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 20:17:52

Sample Name **SD 460-307007-A-16-A@5**

Comment ---

Dilution **1.0000**

Vial # 2307

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	3.682	ug/l	0.3	2000	
B	11	6	No Gas	6.768	ug/l	4.2	2000	
Na	23	45	He	173.926	ug/l	3.9	500000	
Mg	24	45	He	3246.836	ug/l	0.5	500000	
Al	27	45	He	14356.611	ug/l	0.2	500000	
K	39	45	He	147.705	ug/l	4.0	500000	
Ca	40	45	H2	2543.598	ug/l	0.4	1000000	
Ti	47	45	No Gas	175.377	ug/l	1.0	10000	
V	51	45	He	32.562	ug/l	1.8	5000	
Cr	52	45	He	18.025	ug/l	2.4	20000	
Mn	55	45	He	2663.009	ug/l	0.2	20000	
Fe	56	45	H2	86242.380	ug/l	0.3	500000	
Co	59	45	He	7.231	ug/l	1.0	2000	
Ni	60	45	He	9.638	ug/l	3.8	20000	
Cu	63	45	He	22.722	ug/l	1.4	20000	
Zn	66	45	He	15.302	ug/l	6.8	20000	
As	75	45	He	4.265	ug/l	10.4	5000	
Se	78	45	H2	0.361	ug/l	25.8	3000	
Sr	88	115	He	23.713	ug/l	3.7	5000	
Mo	95	115	He	0.918	ug/l	3.9	2000	
Ag	107	115	He	0.010	ug/l	51.4	1000	
Cd	111	115	He	0.011	ug/l	86.6	5000	
Sn	118	115	He	3.203	ug/l	5.0	2000	
Sb	121	115	He	0.167	ug/l	25.7	1000	
Ba	137	159	He	43.226	ug/l	1.1	20000	
Tl	205	209	He	-0.022	ug/l	N/A	1000	
[Pb]	206	209	He	5.525	ug/l	1.5		
[Pb]	207	209	He	5.279	ug/l	2.5		
Pb	208	209	He	5.386	ug/l	1.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9344381.80	1.3	99.3	60	125	
Sc (ISICPMS)	45	No Gas	6926844.90	0.8	99.4	60	125	
Sc (ISICPMS)	45	H2	2663100.76	0.4	100.4	60	125	
Sc (ISICPMS)	45	He	107488.08	0.1	100.1	60	125	
Ge (IS)	74	H2	508713.96	1.2	100.6	60	125	
Ge (IS)	74	He	57759.03	1.3	103.9	60	125	
Kr	83	He	40.04	75.0	1200.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	127222.25	0.4	101.9	60	125	
Tb (IS)	159	He	768465.77	0.4	103.9	60	125	
Bi (IS)	209	He	665903.33	0.6	101.5	60	125	

DRAFT

Sample Report

File Name 215SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 20:20:22

Sample Name **460-307007-A-35-A**

Comment ---

Dilution **1.0000**

Vial # 2308

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	33.604	ug/l	1.1	2000	
B	11	6	No Gas	15.550	ug/l	1.6	2000	
Na	23	45	He	923.381	ug/l	1.2	500000	
Mg	24	45	He	14958.060	ug/l	0.4	500000	
Al	27	45	He	130290.015	ug/l	0.6	500000	
K	39	45	He	2274.094	ug/l	0.6	500000	
Ca	40	45	H2	17461.847	ug/l	0.4	1000000	
Ti	47	45	No Gas	980.820	ug/l	0.7	10000	
V	51	45	He	200.249	ug/l	1.2	5000	
Cr	52	45	He	124.746	ug/l	0.9	20000	
Mn	55	45	He	328883.161	ug/l	1.0	20000	>LDR 6020B□>LDR 200.8
Fe	56	45	H2	544716.506	ug/l	0.5	500000	>LDR 6020B□>LDR 200.8
Co	59	45	He	637.914	ug/l	0.8	2000	
Ni	60	45	He	481.022	ug/l	0.6	20000	
Cu	63	45	He	178.869	ug/l	1.3	20000	
Zn	66	45	He	581.432	ug/l	1.2	20000	
As	75	45	He	35.868	ug/l	2.6	5000	
Se	78	45	H2	4.828	ug/l	1.0	3000	
Sr	88	115	He	140.442	ug/l	1.6	5000	
Mo	95	115	He	18.601	ug/l	1.8	2000	
Ag	107	115	He	0.485	ug/l	4.3	1000	
Cd	111	115	He	2.240	ug/l	1.3	5000	
Sn	118	115	He	16.731	ug/l	1.1	2000	
Sb	121	115	He	1.073	ug/l	12.2	1000	
Ba	137	159	He	72839.281	ug/l	0.4	20000	>LDR 6020B□>LDR 200.8
Tl	205	209	He	3.834	ug/l	0.7	1000	
[Pb]	206	209	He	67.622	ug/l	1.1		
[Pb]	207	209	He	62.736	ug/l	1.2		
Pb	208	209	He	64.819	ug/l	0.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9446866.73	0.7	100.3	60	125	
Sc (ISICPMS)	45	No Gas	7367500.17	0.5	105.7	60	125	
Sc (ISICPMS)	45	H2	2897819.16	0.5	109.2	60	125	
Sc (ISICPMS)	45	He	114905.27	1.0	107.0	60	125	
Ge (IS)	74	H2	518612.99	0.5	102.6	60	125	
Ge (IS)	74	He	59031.42	1.5	106.2	60	125	
Kr	83	He	93.43	34.4	2800.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	129596.15	0.7	103.8	60	125	
Tb (IS)	159	He	808740.21	0.4	109.4	60	125	
Bi (IS)	209	He	660661.73	0.4	100.7	60	125	

DRAFT

Sample Report

File Name 216SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 20:22:53

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.013	ug/l	31.2	2000	
B	11	6	No Gas	1.988	ug/l	3.8	2000	
Na	23	45	He	94.200	ug/l	5.1	500000	
Mg	24	45	He	0.556	ug/l	41.5	500000	
Al	27	45	He	3.421	ug/l	48.1	500000	
K	39	45	He	-10.325	ug/l	N/A	500000	
Ca	40	45	H2	0.070	ug/l	222.2	1000000	
Ti	47	45	No Gas	0.927	ug/l	41.5	10000	
V	51	45	He	-1.069	ug/l	N/A	5000	
Cr	52	45	He	-0.269	ug/l	N/A	20000	
Mn	55	45	He	32.545	ug/l	6.0	20000	
Fe	56	45	H2	20.330	ug/l	1.0	500000	
Co	59	45	He	0.022	ug/l	99.6	2000	
Ni	60	45	He	-0.193	ug/l	N/A	20000	
Cu	63	45	He	0.186	ug/l	33.3	20000	
Zn	66	45	He	0.126	ug/l	188.4	20000	
As	75	45	He	-0.273	ug/l	N/A	5000	
Se	78	45	H2	0.000	ug/l	9256.8	3000	
Sr	88	115	He	-0.006	ug/l	N/A	5000	
Mo	95	115	He	0.041	ug/l	36.9	2000	
Ag	107	115	He	0.000	ug/l	575.0	1000	
Cd	111	115	He	0.005	ug/l	173.2	5000	
Sn	118	115	He	0.073	ug/l	312.0	2000	
Sb	121	115	He	-0.003	ug/l	N/A	1000	
Ba	137	159	He	3.162	ug/l	14.1	20000	
Tl	205	209	He	-0.049	ug/l	N/A	1000	
[Pb]	206	209	He	0.006	ug/l	160.2		
[Pb]	207	209	He	-0.008	ug/l	N/A		
Pb	208	209	He	0.008	ug/l	45.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9591120.48	0.8	101.9	60	125	
Sc (ISICPMS)	45	No Gas	6855534.06	0.8	98.4	60	125	
Sc (ISICPMS)	45	H2	2660312.67	0.9	100.3	60	125	
Sc (ISICPMS)	45	He	107975.43	0.4	100.6	60	125	
Ge (IS)	74	H2	500282.41	0.9	99.0	60	125	
Ge (IS)	74	He	57007.04	1.4	102.6	60	125	
Kr	83	He	3.34	173.2	100.0			

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Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	132958.27	1.2	106.5	60	125	
Tb (IS)	159	He	781800.22	0.3	105.8	60	125	
Bi (IS)	209	He	691999.75	0.4	105.5	60	125	

DRAFT

Sample Report

File Name 217SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 20:25:22

Sample Name **460-306997-A-1-E**

Comment ---

Dilution **1.0000**

Vial # 2309

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	1.928	ug/l	1.3	2000	
B	11	6	No Gas	19.478	ug/l	1.7	2000	
Na	23	45	He	551.856	ug/l	3.3	500000	
Mg	24	45	He	423.010	ug/l	1.2	500000	
Al	27	45	He	257063.003	ug/l	1.3	500000	
K	39	45	He	302.900	ug/l	7.5	500000	
Ca	40	45	H2	3879.079	ug/l	0.5	1000000	
Ti	47	45	No Gas	88.476	ug/l	1.3	10000	
V	51	45	He	22.816	ug/l	2.7	5000	
Cr	52	45	He	69.037	ug/l	0.7	20000	
Mn	55	45	He	3940.865	ug/l	1.1	20000	
Fe	56	45	H2	136272.771	ug/l	1.3	500000	
Co	59	45	He	17.143	ug/l	0.8	2000	
Ni	60	45	He	67.610	ug/l	0.9	20000	
Cu	63	45	He	128.046	ug/l	0.5	20000	
Zn	66	45	He	158.349	ug/l	1.1	20000	
As	75	45	He	14.002	ug/l	8.7	5000	
Se	78	45	H2	1.773	ug/l	9.5	3000	
Sr	88	115	He	29.487	ug/l	1.8	5000	
Mo	95	115	He	11.627	ug/l	3.5	2000	
Ag	107	115	He	0.088	ug/l	21.6	1000	
Cd	111	115	He	0.677	ug/l	32.1	5000	
Sn	118	115	He	13.276	ug/l	2.2	2000	
Sb	121	115	He	1.073	ug/l	8.3	1000	
Ba	137	159	He	122.041	ug/l	2.7	20000	
Tl	205	209	He	0.193	ug/l	7.1	1000	
[Pb]	206	209	He	9.839	ug/l	2.0		
[Pb]	207	209	He	9.418	ug/l	0.1		
Pb	208	209	He	9.590	ug/l	1.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9524982.57	0.4	101.2	60	125	
Sc (ISICPMS)	45	No Gas	6999742.05	0.8	100.4	60	125	
Sc (ISICPMS)	45	H2	2711766.66	0.3	102.2	60	125	
Sc (ISICPMS)	45	He	109367.19	1.4	101.9	60	125	
Ge (IS)	74	H2	524610.32	0.2	103.8	60	125	
Ge (IS)	74	He	59605.79	1.3	107.3	60	125	
Kr	83	He	6.67	86.6	200.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	130163.42	0.9	104.2	60	125	
Tb (IS)	159	He	780692.50	1.3	105.6	60	125	
Bi (IS)	209	He	671793.10	1.5	102.4	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 218_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 20:27:52

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	98.423	ug/l	1.2	100	90	110	
B	11	6	No Gas	251.067	ug/l	0.5	250	225	275	
Na	23	45	He	25776.664	ug/l	1.3	25000	22500	27500	
Mg	24	45	He	25945.494	ug/l	1.0	25000	22500	27500	
Al	27	45	He	25840.267	ug/l	1.0	25000	22500	27500	
K	39	45	He	26054.490	ug/l	0.2	25000	22500	27500	
Ca	40	45	H2	25655.209	ug/l	0.2	25000	22500	27500	
Ti	47	45	No Gas	102.677	ug/l	0.8	100	90	110	
V	51	45	He	100.079	ug/l	0.6	100	90	110	
Cr	52	45	He	101.421	ug/l	0.8	100	90	110	
Mn	55	45	He	115.215	ug/l	3.3	100	90	110	failed
Fe	56	45	H2	25714.019	ug/l	0.3	25000	22500	27500	
Co	59	45	He	102.216	ug/l	0.6	100	90	110	
Ni	60	45	He	100.152	ug/l	0.2	100	90	110	
Cu	63	45	He	101.225	ug/l	1.8	100	90	110	
Zn	66	45	He	258.293	ug/l	1.6	250	225	275	
As	75	45	He	102.223	ug/l	1.7	100	90	110	
Se	78	45	H2	100.359	ug/l	2.0	100	90	110	
Sr	88	115	He	101.511	ug/l	2.0	100	90	110	
Mo	95	115	He	100.035	ug/l	0.9	100	90	110	
Ag	107	115	He	49.980	ug/l	0.2	50	45	55	
Cd	111	115	He	101.829	ug/l	0.9	100	90	110	
Sn	118	115	He	104.882	ug/l	0.8	100	90	110	
Sb	121	115	He	102.408	ug/l	0.9	100	90	110	
Ba	137	159	He	103.158	ug/l	1.8	100	90	110	
Tl	205	209	He	101.657	ug/l	0.1	100	90	110	
[Pb]	206	209	He	102.373	ug/l	1.0				
[Pb]	207	209	He	101.897	ug/l	0.7				
Pb	208	209	He	102.350	ug/l	0.8	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	9400056.67	0.5	99.8	60	125	
Sc (ISICPMS)	45	No Gas	6850582.47	0.3	98.3	60	125	
Sc (ISICPMS)	45	H2	2673220.17	0.7	100.7	60	125	
Sc (ISICPMS)	45	He	107538.12	0.8	100.1	60	125	
Ge (IS)	74	H2	513607.85	1.1	101.6	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	58734.32	1.0	105.7	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	129530.91	1.3	103.7	60	125	
Tb (IS)	159	He	778691.28	0.0	105.3	60	125	
Bi (IS)	209	He	669928.82	1.0	102.1	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 219_Blk.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 20:30:22

Sample Name **CCB**

Comment ---

Dilution 1.0000

Analyte Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.016	ug/l	20.9	0.8	-0.8	0.8	
B	11	6	No Gas	3.593	ug/l	1.9	40	-40	40	
Na	23	45	He	115.552	ug/l	2.8	500	-500	500	
Mg	24	45	He	1.596	ug/l	25.2	200	-200	200	
Al	27	45	He	1.303	ug/l	59.5	40	-40	40	
K	39	45	He	-5.449	ug/l	N/A	200	-200	200	
Ca	40	45	H2	4.626	ug/l	13.4	500	-500	500	
Ti	47	45	No Gas	0.632	ug/l	19.5	4	-4	4	
V	51	45	He	-0.909	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.192	ug/l	N/A	4	-4	4	
Mn	55	45	He	8.084	ug/l	1.7	8	-8	8	> water RL
Fe	56	45	H2	8.977	ug/l	2.8	60	-60	60	
Co	59	45	He	0.009	ug/l	16.3	4	-4	4	
Ni	60	45	He	-0.091	ug/l	N/A	4	-4	4	
Cu	63	45	He	0.064	ug/l	13.1	4	-4	4	
Zn	66	45	He	-0.102	ug/l	N/A	16	-16	16	
As	75	45	He	-0.094	ug/l	N/A	2	-2	2	
Se	78	45	H2	0.182	ug/l	22.8	2.5	-2.5	2.5	
Sr	88	115	He	-0.036	ug/l	N/A	4	-4	4	
Mo	95	115	He	0.130	ug/l	40.3	4	-4	4	
Ag	107	115	He	0.005	ug/l	52.6	2	-2	2	
Cd	111	115	He	0.015	ug/l	100.3	2	-2	2	
Sn	118	115	He	0.075	ug/l	136.0	16	-16	16	
Sb	121	115	He	-0.004	ug/l	N/A	2	-2	2	
Ba	137	159	He	0.750	ug/l	22.4	4	-4	4	
Tl	205	209	He	-0.027	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.013	ug/l	19.2				
[Pb]	207	209	He	-0.021	ug/l	N/A				
Pb	208	209	He	0.001	ug/l	550.3	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	9459120.42	0.5	100.5	60	125	
Sc (ISICPMS)	45	No Gas	6945707.26	0.7	99.7	60	125	
Sc (ISICPMS)	45	H2	2694169.06	0.7	101.5	60	125	
Sc (ISICPMS)	45	He	108349.90	0.2	100.9	60	125	
Ge (IS)	74	H2	510430.83	0.8	101.0	60	125	
Ge (IS)	74	He	57145.38	0.6	102.8	60	125	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	131245.52	0.6	105.1	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	775120.53	0.7	104.8	60	125	
Bi (IS)	209	He	690279.29	0.8	105.2	60	125	

DRAFT

Sample Report

File Name 220SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 20:32:50

Sample Name **460-306997-A-2-G**

Comment ---

Dilution **1.0000**

Vial # 2310

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.794	ug/l	5.2	2000	
B	11	6	No Gas	29.613	ug/l	1.5	2000	
Na	23	45	He	665.331	ug/l	1.3	500000	
Mg	24	45	He	1062.006	ug/l	1.7	500000	
Al	27	45	He	237881.179	ug/l	0.7	500000	
K	39	45	He	1632.972	ug/l	1.4	500000	
Ca	40	45	H2	3581.097	ug/l	0.5	1000000	
Ti	47	45	No Gas	160.219	ug/l	2.3	10000	
V	51	45	He	45.968	ug/l	1.2	5000	
Cr	52	45	He	32.050	ug/l	0.9	20000	
Mn	55	45	He	7009.482	ug/l	0.8	20000	
Fe	56	45	H2	81464.749	ug/l	0.7	500000	
Co	59	45	He	20.858	ug/l	1.9	2000	
Ni	60	45	He	68.573	ug/l	1.8	20000	
Cu	63	45	He	70.462	ug/l	0.4	20000	
Zn	66	45	He	138.354	ug/l	1.4	20000	
As	75	45	He	71.013	ug/l	3.4	5000	
Se	78	45	H2	1.959	ug/l	3.2	3000	
Sr	88	115	He	68.521	ug/l	1.7	5000	
Mo	95	115	He	2.834	ug/l	3.3	2000	
Ag	107	115	He	0.084	ug/l	19.3	1000	
Cd	111	115	He	0.640	ug/l	18.5	5000	
Sn	118	115	He	10.722	ug/l	2.0	2000	
Sb	121	115	He	0.878	ug/l	9.7	1000	
Ba	137	159	He	194.639	ug/l	2.1	20000	
Tl	205	209	He	0.280	ug/l	1.6	1000	
[Pb]	206	209	He	14.945	ug/l	1.0		
[Pb]	207	209	He	14.381	ug/l	0.9		
Pb	208	209	He	14.640	ug/l	1.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9322395.97	0.7	99.0	60	125	
Sc (ISICPMS)	45	No Gas	6904376.50	1.0	99.1	60	125	
Sc (ISICPMS)	45	H2	2659725.50	0.4	100.2	60	125	
Sc (ISICPMS)	45	He	108700.67	0.8	101.2	60	125	
Ge (IS)	74	H2	517856.89	0.3	102.4	60	125	
Ge (IS)	74	He	59387.34	0.7	106.9	60	125	
Kr	83	He	0.00	N/A	0.0			

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Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	127924.05	0.4	102.5	60	125	
Tb (IS)	159	He	766212.50	1.0	103.6	60	125	
Bi (IS)	209	He	656473.72	1.3	100.1	60	125	

DRAFT

Sample Report

File Name 221SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 20:35:21

Sample Name **460-307084-A-1-F**

Comment ---

Dilution **1.0000**

Vial # 2311

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	2.100	ug/l	0.4	2000	
B	11	6	No Gas	32.999	ug/l	2.0	2000	
Na	23	45	He	808.161	ug/l	0.5	500000	
Mg	24	45	He	6675.113	ug/l	0.6	500000	
Al	27	45	He	337808.638	ug/l	0.4	500000	
K	39	45	He	2265.424	ug/l	0.8	500000	
Ca	40	45	H2	10523.757	ug/l	0.7	1000000	
Ti	47	45	No Gas	792.964	ug/l	1.9	10000	
V	51	45	He	88.387	ug/l	0.3	5000	
Cr	52	45	He	46.968	ug/l	0.3	20000	
Mn	55	45	He	22915.095	ug/l	0.5	20000	>LDR 6020B□>LDR 200.8
Fe	56	45	H2	45127.258	ug/l	0.6	500000	
Co	59	45	He	17.049	ug/l	1.4	2000	
Ni	60	45	He	38.497	ug/l	0.5	20000	
Cu	63	45	He	104.034	ug/l	1.1	20000	
Zn	66	45	He	207.087	ug/l	0.6	20000	
As	75	45	He	36.957	ug/l	2.8	5000	
Se	78	45	H2	3.765	ug/l	15.3	3000	
Sr	88	115	He	78.065	ug/l	1.1	5000	
Mo	95	115	He	14.561	ug/l	1.6	2000	
Ag	107	115	He	0.175	ug/l	12.3	1000	
Cd	111	115	He	0.815	ug/l	28.9	5000	
Sn	118	115	He	18.743	ug/l	3.8	2000	
Sb	121	115	He	0.817	ug/l	1.2	1000	
Ba	137	159	He	418.756	ug/l	1.1	20000	
Tl	205	209	He	0.301	ug/l	3.9	1000	
[Pb]	206	209	He	49.834	ug/l	2.0		
[Pb]	207	209	He	47.289	ug/l	2.4		
Pb	208	209	He	48.249	ug/l	1.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9440416.46	1.1	100.3	60	125	
Sc (ISICPMS)	45	No Gas	7103358.43	0.9	101.9	60	125	
Sc (ISICPMS)	45	H2	2741880.79	0.3	103.3	60	125	
Sc (ISICPMS)	45	He	112746.17	1.5	105.0	60	125	
Ge (IS)	74	H2	528823.68	0.4	104.6	60	125	
Ge (IS)	74	He	61162.56	0.2	110.1	60	125	
Kr	83	He	13.35	43.3	400.0			

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Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	132611.89	1.8	106.2	60	125	
Tb (IS)	159	He	802675.83	1.5	108.6	60	125	
Bi (IS)	209	He	671155.83	2.4	102.3	60	125	

DRAFT

Sample Report

File Name 222SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 20:37:51

Sample Name **460-307048-B-1-B**

Comment ---

Dilution **1.0000**

Vial # 2312

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	3.218	ug/l	2.1	2000	
B	11	6	No Gas	180.569	ug/l	0.8	2000	
Na	23	45	He	3267.241	ug/l	0.9	500000	
Mg	24	45	He	55649.104	ug/l	1.5	500000	
Al	27	45	He	88584.480	ug/l	1.4	500000	
K	39	45	He	8178.615	ug/l	1.4	500000	
Ca	40	45	H2	520921.750	ug/l	2.3	1000000	
Ti	47	45	No Gas	1206.103	ug/l	3.6	10000	
V	51	45	He	143.857	ug/l	0.4	5000	
Cr	52	45	He	10766.358	ug/l	0.8	20000	
Mn	55	45	He	4225.542	ug/l	1.1	20000	
Fe	56	45	H2	229842.821	ug/l	2.6	500000	
Co	59	45	He	332.511	ug/l	1.3	2000	
Ni	60	45	He	148.250	ug/l	1.6	20000	
Cu	63	45	He	311.911	ug/l	1.1	20000	
Zn	66	45	He	90918.634	ug/l	1.1	20000	>LDR 6020B□>LDR 200.8
As	75	45	He	317.523	ug/l	3.0	5000	
Se	78	45	H2	5.510	ug/l	4.9	3000	
Sr	88	115	He	1038.889	ug/l	0.3	5000	
Mo	95	115	He	9.896	ug/l	2.4	2000	
Ag	107	115	He	5.089	ug/l	2.3	1000	
Cd	111	115	He	72.796	ug/l	1.4	5000	
Sn	118	115	He	498.375	ug/l	0.7	2000	
Sb	121	115	He	41.792	ug/l	1.8	1000	
Ba	137	159	He	29718.798	ug/l	0.3	20000	>LDR 6020B□>LDR 200.8
Tl	205	209	He	0.370	ug/l	3.5	1000	
[Pb]	206	209	He	143612.228	ug/l	0.6		
[Pb]	207	209	He	141816.442	ug/l	0.2		
Pb	208	209	He	142717.426	ug/l	0.1	20000	>LDR 6020B□>LDR 200.8

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9324717.92	0.7	99.0	60	125	
Sc (ISICPMS)	45	No Gas	6858406.70	0.9	98.4	60	125	
Sc (ISICPMS)	45	H2	2759312.01	1.0	104.0	60	125	
Sc (ISICPMS)	45	He	108703.01	0.9	101.2	60	125	
Ge (IS)	74	H2	511466.05	0.6	101.2	60	125	
Ge (IS)	74	He	57809.17	0.2	104.0	60	125	
Kr	83	He	53.39	28.6	1600.0			

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Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	151825.39	0.7	121.6	60	125	
Tb (IS)	159	He	746670.01	0.7	101.0	60	125	
Bi (IS)	209	He	1101968.55	0.6	168.0	60	125	fail

DRAFT

Sample Report

File Name 223SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 20:40:25

Sample Name **460-307048-B-2-B**

Comment ---

Dilution **1.0000**

Vial # 2401

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.286	ug/l	4.0	2000	
B	11	6	No Gas	149.521	ug/l	0.5	2000	
Na	23	45	He	2710.205	ug/l	0.9	500000	
Mg	24	45	He	21664.426	ug/l	0.4	500000	
Al	27	45	He	4672.771	ug/l	1.0	500000	
K	39	45	He	1839.440	ug/l	1.4	500000	
Ca	40	45	H2	1515948.375	ug/l	1.4	1000000	>LDR 6020B□>LDR 200.8
Ti	47	45	No Gas	1011.247	ug/l	11.0	10000	
V	51	45	He	11.156	ug/l	1.5	5000	
Cr	52	45	He	43.193	ug/l	0.6	20000	
Mn	55	45	He	573.642	ug/l	0.8	20000	
Fe	56	45	H2	8637.285	ug/l	1.6	500000	
Co	59	45	He	30.161	ug/l	1.1	2000	
Ni	60	45	He	24.115	ug/l	2.7	20000	
Cu	63	45	He	45.864	ug/l	0.4	20000	
Zn	66	45	He	7765.661	ug/l	0.7	20000	
As	75	45	He	7.141	ug/l	7.1	5000	
Se	78	45	H2	0.663	ug/l	9.8	3000	
Sr	88	115	He	4873.802	ug/l	0.9	5000	>LDR 200.8
Mo	95	115	He	1.725	ug/l	4.8	2000	
Ag	107	115	He	0.160	ug/l	8.4	1000	
Cd	111	115	He	1.396	ug/l	6.5	5000	
Sn	118	115	He	16.558	ug/l	0.8	2000	
Sb	121	115	He	2.201	ug/l	9.2	1000	
Ba	137	159	He	436.562	ug/l	1.8	20000	
Tl	205	209	He	0.165	ug/l	12.1	1000	
[Pb]	206	209	He	2029.463	ug/l	1.2		
[Pb]	207	209	He	2033.455	ug/l	0.8		
Pb	208	209	He	2020.595	ug/l	1.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9139712.50	0.8	97.1	60	125	
Sc (ISICPMS)	45	No Gas	6753210.73	0.4	96.9	60	125	
Sc (ISICPMS)	45	H2	2752576.03	0.8	103.7	60	125	
Sc (ISICPMS)	45	He	106830.91	1.4	99.5	60	125	
Ge (IS)	74	H2	507162.02	0.6	100.3	60	125	
Ge (IS)	74	He	57116.27	1.5	102.8	60	125	
Kr	83	He	13.35	86.6	400.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	125047.39	0.6	100.2	60	125	
Tb (IS)	159	He	738923.04	0.8	100.0	60	125	
Bi (IS)	209	He	619025.32	0.5	94.4	60	125	

DRAFT

Sample Report

File Name 224SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 20:42:53

Sample Name **460-307048-B-3-B**

Comment ---

Dilution **1.0000**

Vial # 2402

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.302	ug/l	8.5	2000	
B	11	6	No Gas	155.429	ug/l	1.6	2000	
Na	23	45	He	12097.121	ug/l	0.3	500000	
Mg	24	45	He	131830.799	ug/l	0.5	500000	
Al	27	45	He	13381.978	ug/l	1.3	500000	
K	39	45	He	4493.244	ug/l	1.2	500000	
Ca	40	45	H2	1081346.303	ug/l	1.2	1000000	>LDR 6020B□>LDR 200.8
Ti	47	45	No Gas	5487.589	ug/l	2.0	10000	
V	51	45	He	20.316	ug/l	2.3	5000	
Cr	52	45	He	169.133	ug/l	1.1	20000	
Mn	55	45	He	604.498	ug/l	0.8	20000	
Fe	56	45	H2	8693.812	ug/l	1.1	500000	
Co	59	45	He	159.912	ug/l	1.8	2000	
Ni	60	45	He	189.058	ug/l	1.6	20000	
Cu	63	45	He	49.540	ug/l	1.2	20000	
Zn	66	45	He	4116.496	ug/l	0.7	20000	
As	75	45	He	2.253	ug/l	16.9	5000	
Se	78	45	H2	0.513	ug/l	15.5	3000	
Sr	88	115	He	1054.909	ug/l	0.1	5000	
Mo	95	115	He	5.400	ug/l	3.6	2000	
Ag	107	115	He	0.367	ug/l	5.3	1000	
Cd	111	115	He	1.583	ug/l	9.8	5000	
Sn	118	115	He	13.736	ug/l	1.0	2000	
Sb	121	115	He	1.076	ug/l	12.9	1000	
Ba	137	159	He	528.581	ug/l	1.2	20000	
Tl	205	209	He	0.162	ug/l	5.2	1000	
[Pb]	206	209	He	609.960	ug/l	0.8		
[Pb]	207	209	He	556.865	ug/l	0.6		
Pb	208	209	He	575.496	ug/l	0.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9217908.82	1.3	97.9	60	125	
Sc (ISICPMS)	45	No Gas	6653449.48	1.3	95.5	60	125	
Sc (ISICPMS)	45	H2	2654990.66	0.2	100.1	60	125	
Sc (ISICPMS)	45	He	105705.15	0.1	98.4	60	125	
Ge (IS)	74	H2	497747.27	0.4	98.5	60	125	
Ge (IS)	74	He	57361.73	1.8	103.2	60	125	
Kr	83	He	0.00	N/A	0.0			

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Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	124412.89	0.7	99.6	60	125	
Tb (IS)	159	He	746980.16	1.3	101.0	60	125	
Bi (IS)	209	He	629707.27	1.4	96.0	60	125	

DRAFT

Sample Report

File Name 225SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 20:45:24

Sample Name **460-307048-B-4-B**

Comment ---

Dilution **1.0000**

Vial # 2403

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.181	ug/l	8.3	2000	
B	11	6	No Gas	99.874	ug/l	0.4	2000	
Na	23	45	He	3655.018	ug/l	0.9	500000	
Mg	24	45	He	90384.240	ug/l	1.7	500000	
Al	27	45	He	7173.330	ug/l	1.5	500000	
K	39	45	He	2165.389	ug/l	2.2	500000	
Ca	40	45	H2	1184181.589	ug/l	0.9	1000000	>LDR 6020B□>LDR 200.8
Ti	47	45	No Gas	3249.399	ug/l	5.9	10000	
V	51	45	He	11.495	ug/l	2.5	5000	
Cr	52	45	He	98.316	ug/l	1.4	20000	
Mn	55	45	He	820.168	ug/l	1.3	20000	
Fe	56	45	H2	8305.017	ug/l	0.9	500000	
Co	59	45	He	62.237	ug/l	0.4	2000	
Ni	60	45	He	252.608	ug/l	1.8	20000	
Cu	63	45	He	16.775	ug/l	1.2	20000	
Zn	66	45	He	1022.450	ug/l	1.4	20000	
As	75	45	He	2.550	ug/l	3.4	5000	
Se	78	45	H2	0.267	ug/l	38.9	3000	
Sr	88	115	He	907.409	ug/l	1.4	5000	
Mo	95	115	He	2.535	ug/l	1.9	2000	
Ag	107	115	He	0.141	ug/l	8.8	1000	
Cd	111	115	He	0.553	ug/l	8.3	5000	
Sn	118	115	He	18.669	ug/l	2.1	2000	
Sb	121	115	He	0.854	ug/l	6.4	1000	
Ba	137	159	He	169.306	ug/l	1.1	20000	
Tl	205	209	He	0.072	ug/l	20.2	1000	
[Pb]	206	209	He	652.480	ug/l	1.0		
[Pb]	207	209	He	617.774	ug/l	0.4		
Pb	208	209	He	628.421	ug/l	1.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9222070.90	0.7	98.0	60	125	
Sc (ISICPMS)	45	No Gas	6725049.00	0.6	96.5	60	125	
Sc (ISICPMS)	45	H2	2708719.86	0.1	102.1	60	125	
Sc (ISICPMS)	45	He	106615.94	1.1	99.3	60	125	
Ge (IS)	74	H2	502932.64	0.3	99.5	60	125	
Ge (IS)	74	He	57202.42	0.8	102.9	60	125	
Kr	83	He	10.01	173.2	300.0			

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Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	126008.62	1.2	100.9	60	125	
Tb (IS)	159	He	751490.09	1.4	101.7	60	125	
Bi (IS)	209	He	630187.57	1.6	96.1	60	125	

DRAFT

Sample Report

File Name 226SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 20:47:53

Sample Name **460-306968-A-2-B**

Comment ---

Dilution **1.0000**

Vial # 2404

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	1.729	ug/l	2.0	2000	
B	11	6	No Gas	235.721	ug/l	0.7	2000	
Na	23	45	He	5134.408	ug/l	1.5	500000	
Mg	24	45	He	76640.245	ug/l	0.7	500000	
Al	27	45	He	39865.175	ug/l	1.0	500000	
K	39	45	He	11741.698	ug/l	0.8	500000	
Ca	40	45	H2	917229.753	ug/l	2.8	1000000	>LDR 200.8
Ti	47	45	No Gas	2501.394	ug/l	3.0	10000	
V	51	45	He	131.924	ug/l	1.1	5000	
Cr	52	45	He	179.244	ug/l	0.3	20000	
Mn	55	45	He	1770.483	ug/l	0.9	20000	
Fe	56	45	H2	88197.578	ug/l	4.0	500000	
Co	59	45	He	37.727	ug/l	3.9	2000	
Ni	60	45	He	123.871	ug/l	0.3	20000	
Cu	63	45	He	354.213	ug/l	1.3	20000	
Zn	66	45	He	4414.567	ug/l	0.6	20000	
As	75	45	He	38.138	ug/l	3.4	5000	
Se	78	45	H2	4.572	ug/l	0.3	3000	
Sr	88	115	He	2718.295	ug/l	1.5	5000	
Mo	95	115	He	23.219	ug/l	3.0	2000	
Ag	107	115	He	2.191	ug/l	1.6	1000	
Cd	111	115	He	5.657	ug/l	2.9	5000	
Sn	118	115	He	44.141	ug/l	1.8	2000	
Sb	121	115	He	6.443	ug/l	2.3	1000	
Ba	137	159	He	2737.044	ug/l	0.5	20000	
Tl	205	209	He	0.532	ug/l	3.2	1000	
[Pb]	206	209	He	3876.743	ug/l	1.6		
[Pb]	207	209	He	3757.731	ug/l	0.9		
Pb	208	209	He	3811.507	ug/l	1.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9201224.73	0.9	97.7	60	125	
Sc (ISICPMS)	45	No Gas	6840757.96	1.2	98.2	60	125	
Sc (ISICPMS)	45	H2	2724023.33	1.7	102.7	60	125	
Sc (ISICPMS)	45	He	107809.73	0.5	100.4	60	125	
Ge (IS)	74	H2	507414.87	1.7	100.4	60	125	
Ge (IS)	74	He	58632.89	1.1	105.5	60	125	
Kr	83	He	13.35	43.3	400.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	127097.80	1.9	101.8	60	125	
Tb (IS)	159	He	766846.52	1.3	103.7	60	125	
Bi (IS)	209	He	650414.61	1.7	99.1	60	125	

DRAFT

Sample Report

File Name 227SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 20:50:24

Sample Name **460-307153-A-1-B**

Comment ---

Dilution **1.0000**

Vial # 2405

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	2.286	ug/l	4.2	2000	
B	11	6	No Gas	79.720	ug/l	2.7	2000	
Na	23	45	He	5979.914	ug/l	3.2	500000	
Mg	24	45	He	50871.807	ug/l	1.0	500000	
Al	27	45	He	85834.150	ug/l	1.1	500000	
K	39	45	He	21108.558	ug/l	0.6	500000	
Ca	40	45	H2	74393.824	ug/l	1.2	1000000	
Ti	47	45	No Gas	7871.377	ug/l	1.2	10000	
V	51	45	He	496.957	ug/l	0.9	5000	
Cr	52	45	He	487.745	ug/l	1.4	20000	
Mn	55	45	He	3920.586	ug/l	1.6	20000	
Fe	56	45	H2	430928.813	ug/l	1.4	500000	
Co	59	45	He	116.220	ug/l	1.7	2000	
Ni	60	45	He	347.978	ug/l	1.0	20000	
Cu	63	45	He	2885.304	ug/l	1.6	20000	
Zn	66	45	He	1345.769	ug/l	1.9	20000	
As	75	45	He	70.075	ug/l	1.4	5000	
Se	78	45	H2	3.462	ug/l	4.9	3000	
Sr	88	115	He	248.325	ug/l	1.8	5000	
Mo	95	115	He	107.555	ug/l	0.7	2000	
Ag	107	115	He	1.661	ug/l	4.0	1000	
Cd	111	115	He	8.736	ug/l	5.9	5000	
Sn	118	115	He	100.508	ug/l	1.7	2000	
Sb	121	115	He	15.963	ug/l	1.7	1000	
Ba	137	159	He	1869.532	ug/l	0.8	20000	
Tl	205	209	He	1.021	ug/l	3.0	1000	
[Pb]	206	209	He	998.784	ug/l	1.0		
[Pb]	207	209	He	955.049	ug/l	1.0		
Pb	208	209	He	967.856	ug/l	1.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9540189.93	1.5	101.3	60	125	
Sc (ISICPMS)	45	No Gas	7295508.50	0.5	104.7	60	125	
Sc (ISICPMS)	45	H2	2850468.53	1.0	107.4	60	125	
Sc (ISICPMS)	45	He	115207.78	2.3	107.3	60	125	
Ge (IS)	74	H2	516525.12	0.3	102.2	60	125	
Ge (IS)	74	He	60296.78	1.6	108.5	60	125	
Kr	83	He	40.04	NaN	1200.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	132541.49	1.5	106.2	60	125	
Tb (IS)	159	He	809176.19	0.9	109.5	60	125	
Bi (IS)	209	He	671417.52	1.5	102.3	60	125	

DRAFT

Sample Report

File Name 228SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 20:52:55

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.003	ug/l	57.9	2000	
B	11	6	No Gas	2.894	ug/l	4.5	2000	
Na	23	45	He	79.698	ug/l	1.0	500000	
Mg	24	45	He	2.912	ug/l	10.6	500000	
Al	27	45	He	1.810	ug/l	69.2	500000	
K	39	45	He	5.373	ug/l	58.3	500000	
Ca	40	45	H2	28.924	ug/l	3.1	1000000	
Ti	47	45	No Gas	2.387	ug/l	10.8	10000	
V	51	45	He	-0.866	ug/l	N/A	5000	
Cr	52	45	He	-0.182	ug/l	N/A	20000	
Mn	55	45	He	0.885	ug/l	7.3	20000	
Fe	56	45	H2	18.755	ug/l	4.0	500000	
Co	59	45	He	0.030	ug/l	55.8	2000	
Ni	60	45	He	0.021	ug/l	573.1	20000	
Cu	63	45	He	0.374	ug/l	15.4	20000	
Zn	66	45	He	0.939	ug/l	48.5	20000	
As	75	45	He	-0.178	ug/l	N/A	5000	
Se	78	45	H2	0.041	ug/l	191.4	3000	
Sr	88	115	He	0.274	ug/l	30.5	5000	
Mo	95	115	He	0.061	ug/l	79.1	2000	
Ag	107	115	He	-0.002	ug/l	N/A	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	-0.175	ug/l	N/A	2000	
Sb	121	115	He	-0.005	ug/l	N/A	1000	
Ba	137	159	He	1.680	ug/l	18.4	20000	
Tl	205	209	He	-0.049	ug/l	N/A	1000	
[Pb]	206	209	He	0.555	ug/l	3.8		
[Pb]	207	209	He	0.553	ug/l	9.5		
Pb	208	209	He	0.544	ug/l	2.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9896502.84	1.3	105.1	60	125	
Sc (ISICPMS)	45	No Gas	7267728.02	0.5	104.3	60	125	
Sc (ISICPMS)	45	H2	2727950.17	1.2	102.8	60	125	
Sc (ISICPMS)	45	He	111033.68	0.8	103.4	60	125	
Ge (IS)	74	H2	517495.13	0.7	102.4	60	125	
Ge (IS)	74	He	58861.61	0.3	105.9	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	135375.65	0.9	108.4	60	125	
Tb (IS)	159	He	792092.87	0.5	107.1	60	125	
Bi (IS)	209	He	696559.64	1.0	106.2	60	125	

DRAFT

Sample Report

File Name 229SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 20:55:24

Sample Name **460-307129-A-1-D**

Comment ---

Dilution **1.0000**

Vial # 2406

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	5.145	ug/l	3.2	2000	
B	11	6	No Gas	48.943	ug/l	1.7	2000	
Na	23	45	He	3891.194	ug/l	0.8	500000	
Mg	24	45	He	18901.396	ug/l	0.7	500000	
Al	27	45	He	92551.834	ug/l	0.5	500000	
K	39	45	He	10406.478	ug/l	0.8	500000	
Ca	40	45	H2	23829.340	ug/l	1.7	1000000	
Ti	47	45	No Gas	2753.073	ug/l	2.5	10000	
V	51	45	He	259.015	ug/l	0.7	5000	
Cr	52	45	He	174.237	ug/l	1.2	20000	
Mn	55	45	He	1926.349	ug/l	0.9	20000	
Fe	56	45	H2	220821.083	ug/l	1.3	500000	
Co	59	45	He	46.188	ug/l	1.4	2000	
Ni	60	45	He	88.614	ug/l	0.4	20000	
Cu	63	45	He	1712.033	ug/l	1.4	20000	
Zn	66	45	He	505.326	ug/l	0.8	20000	
As	75	45	He	139.933	ug/l	1.5	5000	
Se	78	45	H2	2.455	ug/l	10.4	3000	
Sr	88	115	He	172.369	ug/l	1.1	5000	
Mo	95	115	He	5.492	ug/l	2.2	2000	
Ag	107	115	He	0.296	ug/l	5.5	1000	
Cd	111	115	He	0.567	ug/l	20.5	5000	
Sn	118	115	He	34.324	ug/l	1.3	2000	
Sb	121	115	He	1.645	ug/l	3.1	1000	
Ba	137	159	He	630.784	ug/l	0.7	20000	
Tl	205	209	He	0.877	ug/l	1.6	1000	
[Pb]	206	209	He	208.946	ug/l	1.2		
[Pb]	207	209	He	197.448	ug/l	1.8		
Pb	208	209	He	203.517	ug/l	0.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9676303.82	1.1	102.8	60	125	
Sc (ISICPMS)	45	No Gas	7351210.17	0.6	105.5	60	125	
Sc (ISICPMS)	45	H2	2872643.57	1.0	108.3	60	125	
Sc (ISICPMS)	45	He	120529.65	2.1	112.2	60	125	
Ge (IS)	74	H2	531119.06	0.9	105.1	60	125	
Ge (IS)	74	He	63100.50	1.8	113.6	60	125	
Kr	83	He	63.40	45.6	1900.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	136541.30	2.9	109.4	60	125	
Tb (IS)	159	He	836141.53	3.6	113.1	60	125	
Bi (IS)	209	He	697337.47	2.8	106.3	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 230_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 20:57:54

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	98.293	ug/l	1.6	100	90	110	
B	11	6	No Gas	246.765	ug/l	1.1	250	225	275	
Na	23	45	He	25456.638	ug/l	1.2	25000	22500	27500	
Mg	24	45	He	25331.285	ug/l	0.7	25000	22500	27500	
Al	27	45	He	25242.724	ug/l	1.0	25000	22500	27500	
K	39	45	He	25832.052	ug/l	1.2	25000	22500	27500	
Ca	40	45	H2	25502.693	ug/l	0.4	25000	22500	27500	
Ti	47	45	No Gas	102.223	ug/l	2.0	100	90	110	
V	51	45	He	99.330	ug/l	1.4	100	90	110	
Cr	52	45	He	99.792	ug/l	0.1	100	90	110	
Mn	55	45	He	102.487	ug/l	1.2	100	90	110	
Fe	56	45	H2	25526.461	ug/l	0.8	25000	22500	27500	
Co	59	45	He	99.667	ug/l	0.3	100	90	110	
Ni	60	45	He	99.575	ug/l	1.0	100	90	110	
Cu	63	45	He	100.502	ug/l	0.9	100	90	110	
Zn	66	45	He	252.424	ug/l	0.9	250	225	275	
As	75	45	He	101.158	ug/l	3.8	100	90	110	
Se	78	45	H2	101.380	ug/l	0.8	100	90	110	
Sr	88	115	He	100.770	ug/l	2.3	100	90	110	
Mo	95	115	He	99.752	ug/l	1.8	100	90	110	
Ag	107	115	He	49.305	ug/l	1.2	50	45	55	
Cd	111	115	He	100.034	ug/l	2.1	100	90	110	
Sn	118	115	He	101.327	ug/l	1.6	100	90	110	
Sb	121	115	He	102.626	ug/l	1.6	100	90	110	
Ba	137	159	He	103.733	ug/l	2.8	100	90	110	
Tl	205	209	He	100.073	ug/l	0.2	100	90	110	
[Pb]	206	209	He	102.539	ug/l	0.2				
[Pb]	207	209	He	101.561	ug/l	0.6				
Pb	208	209	He	101.950	ug/l	0.2	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	10212789.29	1.1	108.5	60	125	
Sc (ISICPMS)	45	No Gas	7511793.85	0.2	107.8	60	125	
Sc (ISICPMS)	45	H2	2873737.14	0.9	108.3	60	125	
Sc (ISICPMS)	45	He	114571.87	2.6	106.7	60	125	
Ge (IS)	74	H2	544844.34	0.6	107.8	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	61883.82	1.1	111.4	60	125	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	137145.00	2.4	109.8	60	125	
Tb (IS)	159	He	817149.73	2.7	110.5	60	125	
Bi (IS)	209	He	700819.95	3.0	106.8	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 231_Blk.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 21:00:24

Sample Name **CCB**

Comment ---

Dilution 1.0000

Analyte Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.014	ug/l	33.3	0.8	-0.8	0.8	
B	11	6	No Gas	3.084	ug/l	0.7	40	-40	40	
Na	23	45	He	96.028	ug/l	0.4	500	-500	500	
Mg	24	45	He	2.656	ug/l	4.9	200	-200	200	
Al	27	45	He	2.570	ug/l	38.7	40	-40	40	
K	39	45	He	-7.969	ug/l	N/A	200	-200	200	
Ca	40	45	H2	29.977	ug/l	2.5	500	-500	500	
Ti	47	45	No Gas	1.092	ug/l	39.6	4	-4	4	
V	51	45	He	-0.759	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.115	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.313	ug/l	18.3	8	-8	8	
Fe	56	45	H2	7.500	ug/l	4.5	60	-60	60	
Co	59	45	He	0.063	ug/l	26.7	4	-4	4	
Ni	60	45	He	0.107	ug/l	146.5	4	-4	4	
Cu	63	45	He	0.079	ug/l	17.1	4	-4	4	
Zn	66	45	He	0.269	ug/l	115.2	16	-16	16	
As	75	45	He	-0.229	ug/l	N/A	2	-2	2	
Se	78	45	H2	0.164	ug/l	54.0	2.5	-2.5	2.5	
Sr	88	115	He	0.166	ug/l	30.7	4	-4	4	
Mo	95	115	He	0.119	ug/l	16.1	4	-4	4	
Ag	107	115	He	0.003	ug/l	98.5	2	-2	2	
Cd	111	115	He	0.000	ug/l	N/A	2	-2	2	
Sn	118	115	He	0.075	ug/l	60.5	16	-16	16	
Sb	121	115	He	0.012	ug/l	65.6	2	-2	2	
Ba	137	159	He	0.863	ug/l	15.5	4	-4	4	
Tl	205	209	He	-0.031	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.274	ug/l	4.1				
[Pb]	207	209	He	0.255	ug/l	6.9				
Pb	208	209	He	0.271	ug/l	6.1	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	10162047.84	1.3	107.9	60	125	
Sc (ISICPMS)	45	No Gas	7468197.18	0.6	107.2	60	125	
Sc (ISICPMS)	45	H2	2802947.39	1.1	105.6	60	125	
Sc (ISICPMS)	45	He	114533.86	1.4	106.7	60	125	
Ge (IS)	74	H2	532906.95	0.6	105.4	60	125	
Ge (IS)	74	He	61039.13	1.8	109.8	60	125	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	138851.46	0.5	111.2	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	820474.08	1.2	111.0	60	125	
Bi (IS)	209	He	715989.87	0.7	109.1	60	125	

DRAFT

Sample Report

File Name 232SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 21:02:53

Sample Name **460-307130-A-1-D**

Comment ---

Dilution **1.0000**

Vial # 2407

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	8.972	ug/l	2.0	2000	
B	11	6	No Gas	30.937	ug/l	1.2	2000	
Na	23	45	He	2361.883	ug/l	0.6	500000	
Mg	24	45	He	37390.790	ug/l	1.2	500000	
Al	27	45	He	290075.917	ug/l	0.4	500000	
K	39	45	He	35936.797	ug/l	1.1	500000	
Ca	40	45	H2	9330.096	ug/l	1.7	1000000	
Ti	47	45	No Gas	12246.729	ug/l	0.9	10000	>LDR 6020B□>LDR 200.8
V	51	45	He	599.917	ug/l	0.2	5000	
Cr	52	45	He	418.756	ug/l	0.6	20000	
Mn	55	45	He	1740.471	ug/l	0.8	20000	
Fe	56	45	H2	314496.172	ug/l	1.7	500000	
Co	59	45	He	76.668	ug/l	1.7	2000	
Ni	60	45	He	181.889	ug/l	1.1	20000	
Cu	63	45	He	269.171	ug/l	0.5	20000	
Zn	66	45	He	391.215	ug/l	0.3	20000	
As	75	45	He	49.087	ug/l	5.0	5000	
Se	78	45	H2	2.121	ug/l	4.8	3000	
Sr	88	115	He	111.911	ug/l	2.0	5000	
Mo	95	115	He	12.276	ug/l	2.1	2000	
Ag	107	115	He	0.143	ug/l	16.1	1000	
Cd	111	115	He	0.285	ug/l	9.7	5000	
Sn	118	115	He	28.458	ug/l	3.8	2000	
Sb	121	115	He	0.895	ug/l	7.9	1000	
Ba	137	159	He	1180.659	ug/l	0.7	20000	
Tl	205	209	He	2.248	ug/l	2.0	1000	
[Pb]	206	209	He	188.565	ug/l	1.0		
[Pb]	207	209	He	182.028	ug/l	1.2		
Pb	208	209	He	184.374	ug/l	1.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9756071.17	0.5	103.6	60	125	
Sc (ISICPMS)	45	No Gas	8232808.14	0.6	118.1	60	125	
Sc (ISICPMS)	45	H2	3266259.05	1.1	123.1	60	125	
Sc (ISICPMS)	45	He	130573.00	0.5	121.6	60	125	
Ge (IS)	74	H2	548778.13	1.0	108.5	60	125	
Ge (IS)	74	He	61783.47	0.7	111.2	60	125	
Kr	83	He	43.38	13.3	1300.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	135137.13	1.2	108.2	60	125	
Tb (IS)	159	He	829600.28	0.8	112.2	60	125	
Bi (IS)	209	He	696828.71	1.6	106.2	60	125	

DRAFT

Sample Report

File Name 233SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 21:05:23

Sample Name **460-307135-A-1-A**

Comment ---

Dilution **1.0000**

Vial # 2408

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.046	ug/l	1.5	2000	
B	11	6	No Gas	350.259	ug/l	1.5	2000	
Na	23	45	He	4065.055	ug/l	1.3	500000	
Mg	24	45	He	99.870	ug/l	2.2	500000	
Al	27	45	He	842.598	ug/l	2.1	500000	
K	39	45	He	79.511	ug/l	2.1	500000	
Ca	40	45	H2	426.197	ug/l	1.7	1000000	
Ti	47	45	No Gas	561.403	ug/l	1.5	10000	
V	51	45	He	0.069	ug/l	233.3	5000	
Cr	52	45	He	89.375	ug/l	1.3	20000	
Mn	55	45	He	26.690	ug/l	0.5	20000	
Fe	56	45	H2	680.762	ug/l	2.7	500000	
Co	59	45	He	1.037	ug/l	4.4	2000	
Ni	60	45	He	31.526	ug/l	2.3	20000	
Cu	63	45	He	6.830	ug/l	4.6	20000	
Zn	66	45	He	9.786	ug/l	8.3	20000	
As	75	45	He	3.389	ug/l	9.9	5000	
Se	78	45	H2	0.270	ug/l	13.0	3000	
Sr	88	115	He	2.330	ug/l	4.0	5000	
Mo	95	115	He	20.056	ug/l	1.5	2000	
Ag	107	115	He	0.082	ug/l	4.9	1000	
Cd	111	115	He	0.015	ug/l	99.9	5000	
Sn	118	115	He	10.100	ug/l	1.5	2000	
Sb	121	115	He	0.511	ug/l	6.2	1000	
Ba	137	159	He	4.074	ug/l	6.0	20000	
Tl	205	209	He	-0.044	ug/l	N/A	1000	
[Pb]	206	209	He	1.811	ug/l	3.1		
[Pb]	207	209	He	1.763	ug/l	2.8		
Pb	208	209	He	1.792	ug/l	0.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10107597.42	1.0	107.4	60	125	
Sc (ISICPMS)	45	No Gas	7517659.82	0.3	107.9	60	125	
Sc (ISICPMS)	45	H2	2824964.75	2.0	106.5	60	125	
Sc (ISICPMS)	45	He	114209.45	1.0	106.4	60	125	
Ge (IS)	74	H2	553905.93	1.2	109.6	60	125	
Ge (IS)	74	He	62548.13	1.7	112.6	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	138117.57	1.3	110.6	60	125	
Tb (IS)	159	He	808624.19	0.6	109.4	60	125	
Bi (IS)	209	He	722042.53	0.5	110.1	60	125	

DRAFT

Sample Report

File Name 234SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 21:07:52

Sample Name **460-307135-A-2-A**

Comment ---

Dilution **1.0000**

Vial # 2409

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.070	ug/l	10.5	2000	
B	11	6	No Gas	788.138	ug/l	1.8	2000	
Na	23	45	He	4282.924	ug/l	0.9	500000	
Mg	24	45	He	131.425	ug/l	1.7	500000	
Al	27	45	He	175.157	ug/l	7.7	500000	
K	39	45	He	742.988	ug/l	0.4	500000	
Ca	40	45	H2	686.513	ug/l	0.5	1000000	
Ti	47	45	No Gas	414.453	ug/l	1.6	10000	
V	51	45	He	0.024	ug/l	477.1	5000	
Cr	52	45	He	106.746	ug/l	2.3	20000	
Mn	55	45	He	35.517	ug/l	1.8	20000	
Fe	56	45	H2	696.992	ug/l	1.6	500000	
Co	59	45	He	1.535	ug/l	5.6	2000	
Ni	60	45	He	49.611	ug/l	2.7	20000	
Cu	63	45	He	9.955	ug/l	1.5	20000	
Zn	66	45	He	52.681	ug/l	2.6	20000	
As	75	45	He	2.383	ug/l	26.0	5000	
Se	78	45	H2	0.133	ug/l	57.2	3000	
Sr	88	115	He	3.388	ug/l	5.4	5000	
Mo	95	115	He	24.043	ug/l	3.3	2000	
Ag	107	115	He	0.525	ug/l	6.8	1000	
Cd	111	115	He	0.124	ug/l	13.2	5000	
Sn	118	115	He	9.673	ug/l	1.8	2000	
Sb	121	115	He	0.384	ug/l	14.5	1000	
Ba	137	159	He	10.773	ug/l	3.8	20000	
Tl	205	209	He	-0.035	ug/l	N/A	1000	
[Pb]	206	209	He	14.094	ug/l	2.1		
[Pb]	207	209	He	14.083	ug/l	0.5		
Pb	208	209	He	14.033	ug/l	0.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9869184.71	0.4	104.8	60	125	
Sc (ISICPMS)	45	No Gas	7375357.81	0.4	105.8	60	125	
Sc (ISICPMS)	45	H2	2769301.70	0.5	104.4	60	125	
Sc (ISICPMS)	45	He	111707.00	1.0	104.0	60	125	
Ge (IS)	74	H2	544105.02	0.3	107.6	60	125	
Ge (IS)	74	He	61258.80	0.8	110.2	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	136730.04	1.2	109.5	60	125	
Tb (IS)	159	He	802626.07	1.3	108.6	60	125	
Bi (IS)	209	He	714271.57	0.7	108.9	60	125	

DRAFT

Sample Report

File Name 235SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 21:10:22

Sample Name **460-307135-A-3-A**

Comment ---

Dilution **1.0000**

Vial # 2410

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.047	ug/l	24.0	2000	
B	11	6	No Gas	704.759	ug/l	2.3	2000	
Na	23	45	He	7421.409	ug/l	1.5	500000	
Mg	24	45	He	149.429	ug/l	3.3	500000	
Al	27	45	He	228.005	ug/l	1.7	500000	
K	39	45	He	461.103	ug/l	3.6	500000	
Ca	40	45	H2	747.841	ug/l	0.6	1000000	
Ti	47	45	No Gas	410.626	ug/l	1.6	10000	
V	51	45	He	0.006	ug/l	1036.3	5000	
Cr	52	45	He	132.395	ug/l	1.2	20000	
Mn	55	45	He	41.676	ug/l	0.7	20000	
Fe	56	45	H2	856.475	ug/l	0.7	500000	
Co	59	45	He	2.092	ug/l	3.6	2000	
Ni	60	45	He	65.460	ug/l	2.9	20000	
Cu	63	45	He	12.632	ug/l	2.6	20000	
Zn	66	45	He	34.186	ug/l	0.5	20000	
As	75	45	He	2.003	ug/l	5.8	5000	
Se	78	45	H2	0.185	ug/l	42.6	3000	
Sr	88	115	He	4.257	ug/l	4.3	5000	
Mo	95	115	He	26.900	ug/l	2.5	2000	
Ag	107	115	He	1.107	ug/l	4.2	1000	
Cd	111	115	He	0.096	ug/l	51.3	5000	
Sn	118	115	He	9.868	ug/l	3.6	2000	
Sb	121	115	He	0.318	ug/l	16.1	1000	
Ba	137	159	He	9.088	ug/l	2.8	20000	
Tl	205	209	He	-0.046	ug/l	N/A	1000	
[Pb]	206	209	He	6.191	ug/l	1.4		
[Pb]	207	209	He	6.048	ug/l	1.2		
Pb	208	209	He	6.197	ug/l	0.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10006031.86	0.8	106.3	60	125	
Sc (ISICPMS)	45	No Gas	7523303.85	0.9	107.9	60	125	
Sc (ISICPMS)	45	H2	2842577.91	0.5	107.1	60	125	
Sc (ISICPMS)	45	He	110366.57	2.5	102.8	60	125	
Ge (IS)	74	H2	552887.26	0.7	109.4	60	125	
Ge (IS)	74	He	61085.91	1.1	109.9	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	133772.77	0.9	107.1	60	125	
Tb (IS)	159	He	791820.23	0.1	107.1	60	125	
Bi (IS)	209	He	708567.90	1.3	108.0	60	125	

DRAFT

Sample Report

File Name 236SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 21:12:51

Sample Name **460-307102-A-1-D**

Comment ---

Dilution **1.0000**

Vial # 2411

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	5.045	ug/l	2.2	2000	
B	11	6	No Gas	47.056	ug/l	1.6	2000	
Na	23	45	He	852.535	ug/l	1.2	500000	
Mg	24	45	He	12651.448	ug/l	0.5	500000	
Al	27	45	He	29282.229	ug/l	0.6	500000	
K	39	45	He	3707.196	ug/l	1.0	500000	
Ca	40	45	H2	73635.522	ug/l	1.6	1000000	
Ti	47	45	No Gas	732.303	ug/l	2.3	10000	
V	51	45	He	131.362	ug/l	1.6	5000	
Cr	52	45	He	566.972	ug/l	0.8	20000	
Mn	55	45	He	19656.578	ug/l	0.4	20000	>LDR 200.8
Fe	56	45	H2	729267.410	ug/l	0.6	500000	>LDR 6020B□>LDR 200.8
Co	59	45	He	96.616	ug/l	1.0	2000	
Ni	60	45	He	367.052	ug/l	1.0	20000	
Cu	63	45	He	689.017	ug/l	0.9	20000	
Zn	66	45	He	1348.051	ug/l	0.1	20000	
As	75	45	He	61.754	ug/l	0.9	5000	
Se	78	45	H2	7.079	ug/l	10.8	3000	
Sr	88	115	He	405.782	ug/l	0.3	5000	
Mo	95	115	He	24.703	ug/l	1.7	2000	
Ag	107	115	He	0.933	ug/l	5.3	1000	
Cd	111	115	He	4.720	ug/l	2.0	5000	
Sn	118	115	He	48.541	ug/l	1.5	2000	
Sb	121	115	He	2.068	ug/l	2.0	1000	
Ba	137	159	He	1281.668	ug/l	0.6	20000	
Tl	205	209	He	0.689	ug/l	1.3	1000	
[Pb]	206	209	He	128.033	ug/l	1.5		
[Pb]	207	209	He	122.177	ug/l	0.2		
Pb	208	209	He	124.620	ug/l	0.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9687232.70	1.3	102.9	60	125	
Sc (ISICPMS)	45	No Gas	7378015.24	0.1	105.9	60	125	
Sc (ISICPMS)	45	H2	2941836.56	0.5	110.9	60	125	
Sc (ISICPMS)	45	He	114547.87	0.2	106.7	60	125	
Ge (IS)	74	H2	542545.14	1.3	107.3	60	125	
Ge (IS)	74	He	62086.01	1.6	111.7	60	125	
Kr	83	He	60.06	44.1	1800.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	133330.60	1.1	106.8	60	125	
Tb (IS)	159	He	803318.11	1.0	108.7	60	125	
Bi (IS)	209	He	685147.26	0.7	104.4	60	125	

DRAFT

Sample Report

File Name 237SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 21:15:23

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.003	ug/l	80.0	2000	
B	11	6	No Gas	5.830	ug/l	0.5	2000	
Na	23	45	He	84.502	ug/l	8.2	500000	
Mg	24	45	He	0.490	ug/l	73.5	500000	
Al	27	45	He	1.500	ug/l	48.6	500000	
K	39	45	He	-10.979	ug/l	N/A	500000	
Ca	40	45	H2	16.085	ug/l	4.0	1000000	
Ti	47	45	No Gas	1.334	ug/l	8.9	10000	
V	51	45	He	-1.087	ug/l	N/A	5000	
Cr	52	45	He	-0.322	ug/l	N/A	20000	
Mn	55	45	He	1.019	ug/l	4.8	20000	
Fe	56	45	H2	23.212	ug/l	1.6	500000	
Co	59	45	He	0.030	ug/l	45.2	2000	
Ni	60	45	He	0.077	ug/l	59.6	20000	
Cu	63	45	He	0.132	ug/l	17.7	20000	
Zn	66	45	He	0.110	ug/l	270.7	20000	
As	75	45	He	-0.320	ug/l	N/A	5000	
Se	78	45	H2	-0.036	ug/l	N/A	3000	
Sr	88	115	He	0.030	ug/l	61.1	5000	
Mo	95	115	He	0.033	ug/l	121.4	2000	
Ag	107	115	He	0.001	ug/l	122.9	1000	
Cd	111	115	He	0.005	ug/l	173.2	5000	
Sn	118	115	He	0.093	ug/l	130.6	2000	
Sb	121	115	He	-0.029	ug/l	N/A	1000	
Ba	137	159	He	0.501	ug/l	30.2	20000	
Tl	205	209	He	-0.051	ug/l	N/A	1000	
[Pb]	206	209	He	0.146	ug/l	17.8		
[Pb]	207	209	He	0.105	ug/l	32.2		
Pb	208	209	He	0.154	ug/l	12.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9747855.20	0.6	103.5	60	125	
Sc (ISICPMS)	45	No Gas	7305977.18	1.1	104.8	60	125	
Sc (ISICPMS)	45	H2	2760954.02	1.0	104.1	60	125	
Sc (ISICPMS)	45	He	109248.37	1.5	101.7	60	125	
Ge (IS)	74	H2	517360.98	0.8	102.3	60	125	
Ge (IS)	74	He	57532.80	0.7	103.5	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	132294.43	2.1	106.0	60	125	
Tb (IS)	159	He	788445.96	0.8	106.6	60	125	
Bi (IS)	209	He	697669.48	1.1	106.3	60	125	

DRAFT

Sample Report

File Name 238SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 21:17:52

Sample Name **460-307075-E-1-A**

Comment ---

Dilution **1.0000**

Vial # 2412

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.004	ug/l	94.5	2000	
B	11	6	No Gas	37.284	ug/l	0.8	2000	
Na	23	45	He	379.781	ug/l	3.3	500000	
Mg	24	45	He	998.227	ug/l	1.5	500000	
Al	27	45	He	9.382	ug/l	17.3	500000	
K	39	45	He	17399.786	ug/l	0.7	500000	
Ca	40	45	H2	1982.554	ug/l	0.6	1000000	
Ti	47	45	No Gas	10.413	ug/l	2.8	10000	
V	51	45	He	-0.889	ug/l	N/A	5000	
Cr	52	45	He	1.766	ug/l	5.8	20000	
Mn	55	45	He	7.387	ug/l	3.7	20000	
Fe	56	45	H2	100.721	ug/l	1.3	500000	
Co	59	45	He	0.104	ug/l	18.7	2000	
Ni	60	45	He	2.584	ug/l	4.9	20000	
Cu	63	45	He	8.339	ug/l	1.9	20000	
Zn	66	45	He	10.559	ug/l	9.9	20000	
As	75	45	He	-0.214	ug/l	N/A	5000	
Se	78	45	H2	-0.034	ug/l	N/A	3000	
Sr	88	115	He	8.339	ug/l	7.7	5000	
Mo	95	115	He	0.348	ug/l	14.2	2000	
Ag	107	115	He	0.008	ug/l	67.0	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	9.936	ug/l	2.3	2000	
Sb	121	115	He	1.209	ug/l	164.8	1000	
Ba	137	159	He	3.840	ug/l	12.1	20000	
Tl	205	209	He	-0.046	ug/l	N/A	1000	
[Pb]	206	209	He	2.039	ug/l	2.7		
[Pb]	207	209	He	2.043	ug/l	4.4		
Pb	208	209	He	2.022	ug/l	1.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9314831.53	0.7	98.9	60	125	
Sc (ISICPMS)	45	No Gas	7007388.65	0.7	100.5	60	125	
Sc (ISICPMS)	45	H2	2595415.45	1.0	97.8	60	125	
Sc (ISICPMS)	45	He	102549.20	1.4	95.5	60	125	
Ge (IS)	74	H2	511171.05	0.8	101.1	60	125	
Ge (IS)	74	He	57317.13	1.0	103.1	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	126262.19	1.2	101.1	60	125	
Tb (IS)	159	He	761285.43	1.8	103.0	60	125	
Bi (IS)	209	He	682626.23	1.6	104.1	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 239_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 21:20:22

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	100.689	ug/l	1.4	100	90	110	
B	11	6	No Gas	255.916	ug/l	1.8	250	225	275	
Na	23	45	He	25961.498	ug/l	1.5	25000	22500	27500	
Mg	24	45	He	25762.658	ug/l	1.7	25000	22500	27500	
Al	27	45	He	25068.508	ug/l	1.4	25000	22500	27500	
K	39	45	He	25695.265	ug/l	0.9	25000	22500	27500	
Ca	40	45	H2	25149.176	ug/l	0.4	25000	22500	27500	
Ti	47	45	No Gas	101.386	ug/l	1.3	100	90	110	
V	51	45	He	100.354	ug/l	1.0	100	90	110	
Cr	52	45	He	101.914	ug/l	1.3	100	90	110	
Mn	55	45	He	103.881	ug/l	1.4	100	90	110	
Fe	56	45	H2	25632.200	ug/l	0.3	25000	22500	27500	
Co	59	45	He	102.809	ug/l	1.4	100	90	110	
Ni	60	45	He	101.405	ug/l	0.9	100	90	110	
Cu	63	45	He	102.334	ug/l	1.2	100	90	110	
Zn	66	45	He	257.818	ug/l	1.9	250	225	275	
As	75	45	He	102.090	ug/l	1.6	100	90	110	
Se	78	45	H2	101.774	ug/l	2.1	100	90	110	
Sr	88	115	He	100.020	ug/l	0.3	100	90	110	
Mo	95	115	He	99.227	ug/l	1.3	100	90	110	
Ag	107	115	He	50.677	ug/l	1.0	50	45	55	
Cd	111	115	He	102.989	ug/l	0.4	100	90	110	
Sn	118	115	He	103.287	ug/l	2.2	100	90	110	
Sb	121	115	He	102.634	ug/l	1.2	100	90	110	
Ba	137	159	He	102.532	ug/l	1.5	100	90	110	
Tl	205	209	He	101.869	ug/l	1.5	100	90	110	
[Pb]	206	209	He	102.979	ug/l	1.5				
[Pb]	207	209	He	101.623	ug/l	1.1				
Pb	208	209	He	102.086	ug/l	1.1	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	8831232.09	0.6	93.8	60	125	
Sc (ISICPMS)	45	No Gas	6624270.73	0.9	95.0	60	125	
Sc (ISICPMS)	45	H2	2494205.78	0.1	94.0	60	125	
Sc (ISICPMS)	45	He	97927.24	1.9	91.2	60	125	
Ge (IS)	74	H2	477325.77	0.3	94.4	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	53769.53	1.0	96.8	60	125	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	118895.93	1.7	95.2	60	125	
Tb (IS)	159	He	731808.25	0.9	99.0	60	125	
Bi (IS)	209	He	635343.09	2.1	96.8	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 240_Blk.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 21:22:51

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.015	ug/l	21.1	0.8	-0.8	0.8	
B	11	6	No Gas	4.755	ug/l	3.9	40	-40	40	
Na	23	45	He	122.856	ug/l	10.0	500	-500	500	
Mg	24	45	He	1.421	ug/l	24.1	200	-200	200	
Al	27	45	He	0.046	ug/l	2654.1	40	-40	40	
K	39	45	He	-6.552	ug/l	N/A	200	-200	200	
Ca	40	45	H2	17.889	ug/l	2.9	500	-500	500	
Ti	47	45	No Gas	0.914	ug/l	8.5	4	-4	4	
V	51	45	He	-0.972	ug/l	N/A	4	-4	4	
Cr	52	45	He	0.003	ug/l	1044.0	4	-4	4	
Mn	55	45	He	0.578	ug/l	20.6	8	-8	8	
Fe	56	45	H2	7.344	ug/l	6.0	60	-60	60	
Co	59	45	He	0.058	ug/l	49.1	4	-4	4	
Ni	60	45	He	0.198	ug/l	111.1	4	-4	4	
Cu	63	45	He	-0.015	ug/l	N/A	4	-4	4	
Zn	66	45	He	0.141	ug/l	141.8	16	-16	16	
As	75	45	He	-0.217	ug/l	N/A	2	-2	2	
Se	78	45	H2	0.166	ug/l	76.1	2.5	-2.5	2.5	
Sr	88	115	He	0.083	ug/l	19.6	4	-4	4	
Mo	95	115	He	0.135	ug/l	20.5	4	-4	4	
Ag	107	115	He	0.003	ug/l	82.7	2	-2	2	
Cd	111	115	He	0.011	ug/l	86.6	2	-2	2	
Sn	118	115	He	0.170	ug/l	48.1	16	-16	16	
Sb	121	115	He	-0.034	ug/l	N/A	2	-2	2	
Ba	137	159	He	0.432	ug/l	11.1	4	-4	4	
Tl	205	209	He	-0.027	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.096	ug/l	12.9				
[Pb]	207	209	He	0.105	ug/l	3.1				
Pb	208	209	He	0.104	ug/l	11.8	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	8785072.37	0.5	93.3	60	125	
Sc (ISICPMS)	45	No Gas	6554407.06	1.1	94.0	60	125	
Sc (ISICPMS)	45	H2	2471278.49	0.8	93.1	60	125	
Sc (ISICPMS)	45	He	97614.12	1.9	90.9	60	125	
Ge (IS)	74	H2	470712.32	0.8	93.1	60	125	
Ge (IS)	74	He	52374.02	0.5	94.3	60	125	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	120285.38	1.5	96.3	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	720664.91	0.6	97.5	60	125	
Bi (IS)	209	He	641813.81	0.8	97.8	60	125	

DRAFT

Sample Report

File Name 241SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 22:08:06

Sample Name **MB 460-984177/1-A**

Comment ---

Dilution **1.0000**

Vial # 2501

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.001	ug/l	N/A	2000	
B	11	6	No Gas	0.085	ug/l	56.1	2000	
Na	23	45	He	170.038	ug/l	1.8	500000	
Mg	24	45	He	6.251	ug/l	19.2	500000	
Al	27	45	He	3.943	ug/l	91.0	500000	
K	39	45	He	-11.483	ug/l	N/A	500000	
Ca	40	45	H2	28.721	ug/l	1.7	1000000	
Ti	47	45	No Gas	1.265	ug/l	47.9	10000	
V	51	45	He	-0.986	ug/l	N/A	5000	
Cr	52	45	He	0.974	ug/l	21.0	20000	
Mn	55	45	He	1.080	ug/l	8.9	20000	
Fe	56	45	H2	36.983	ug/l	2.0	500000	
Co	59	45	He	0.036	ug/l	37.2	2000	
Ni	60	45	He	0.272	ug/l	23.5	20000	
Cu	63	45	He	0.296	ug/l	20.6	20000	
Zn	66	45	He	1.672	ug/l	42.4	20000	
As	75	45	He	-0.261	ug/l	N/A	5000	
Se	78	45	H2	0.036	ug/l	170.1	3000	
Sr	88	115	He	0.046	ug/l	38.4	5000	
Mo	95	115	He	0.149	ug/l	15.8	2000	
Ag	107	115	He	0.005	ug/l	41.8	1000	
Cd	111	115	He	0.006	ug/l	173.2	5000	
Sn	118	115	He	11.371	ug/l	4.4	2000	
Sb	121	115	He	0.022	ug/l	123.0	1000	
Ba	137	159	He	0.372	ug/l	11.0	20000	
Tl	205	209	He	-0.040	ug/l	N/A	1000	
[Pb]	206	209	He	0.279	ug/l	9.2		
[Pb]	207	209	He	0.248	ug/l	10.0		
Pb	208	209	He	0.287	ug/l	5.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8722972.02	1.4	92.7	60	125	
Sc (ISICPMS)	45	No Gas	6451193.17	0.2	92.6	60	125	
Sc (ISICPMS)	45	H2	2433925.05	0.5	91.7	60	125	
Sc (ISICPMS)	45	He	95922.17	0.7	89.3	60	125	
Ge (IS)	74	H2	469866.59	1.0	92.9	60	125	
Ge (IS)	74	He	52148.96	1.5	93.8	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	117903.34	2.0	94.4	60	125	
Tb (IS)	159	He	709490.99	0.8	96.0	60	125	
Bi (IS)	209	He	634050.99	1.5	96.7	60	125	

DRAFT

Sample Report

File Name 242SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 22:10:36

Sample Name **LCSSRM 460-984177/2-A@3**

Comment ---

Dilution **1.0000**

Vial # 2502

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	522.940	ug/l	1.7	2000	
B	11	6	No Gas	772.990	ug/l	2.0	2000	
Na	23	45	He	1783.812	ug/l	1.3	500000	
Mg	24	45	He	5661.024	ug/l	0.8	500000	
Al	27	45	He	20588.986	ug/l	1.2	500000	
K	39	45	He	4245.905	ug/l	0.7	500000	
Ca	40	45	H2	17264.197	ug/l	0.3	1000000	
Ti	47	45	No Gas	1017.287	ug/l	2.6	10000	
V	51	45	He	343.756	ug/l	0.7	5000	
Cr	52	45	He	593.862	ug/l	0.3	20000	
Mn	55	45	He	1789.991	ug/l	0.3	20000	
Fe	56	45	H2	22401.613	ug/l	0.9	500000	
Co	59	45	He	275.436	ug/l	0.8	2000	
Ni	60	45	He	1043.633	ug/l	0.4	20000	
Cu	63	45	He	678.370	ug/l	1.4	20000	
Zn	66	45	He	559.911	ug/l	0.8	20000	
As	75	45	He	1059.715	ug/l	1.3	5000	
Se	78	45	H2	566.730	ug/l	0.4	3000	
Sr	88	115	He	438.242	ug/l	1.5	5000	
Mo	95	115	He	450.000	ug/l	1.4	2000	
Ag	107	115	He	277.530	ug/l	0.7	1000	
Cd	111	115	He	721.658	ug/l	0.3	5000	
Sn	118	115	He	262.412	ug/l	0.4	2000	
Sb	121	115	He	273.866	ug/l	0.9	1000	
Ba	137	159	He	971.022	ug/l	1.7	20000	
Tl	205	209	He	698.422	ug/l	0.9	1000	
[Pb]	206	209	He	327.375	ug/l	0.7		
[Pb]	207	209	He	313.255	ug/l	0.9		
Pb	208	209	He	318.290	ug/l	0.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9031031.74	0.8	95.9	60	125	
Sc (ISICPMS)	45	No Gas	6501837.27	1.6	93.3	60	125	
Sc (ISICPMS)	45	H2	2424649.93	1.0	91.4	60	125	
Sc (ISICPMS)	45	He	95529.58	1.3	89.0	60	125	
Ge (IS)	74	H2	471566.17	1.0	93.3	60	125	
Ge (IS)	74	He	52539.04	1.4	94.5	60	125	
Kr	83	He	13.35	114.6	400.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	114328.01	1.3	91.6	60	125	
Tb (IS)	159	He	709322.03	1.8	95.9	60	125	
Bi (IS)	209	He	621166.45	1.4	94.7	60	125	

DRAFT

Sample Report

File Name 243SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 22:13:05

Sample Name **PDS 460-307009-A-6-D**

Comment ---

Dilution **1.0000**

Vial # 2503

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	27.458	ug/l	2.0	2000	
B	11	6	No Gas	648.471	ug/l	1.2	2000	
Na	23	45	He	55288.207	ug/l	1.7	500000	
Mg	24	45	He	38214.811	ug/l	1.7	500000	
Al	27	45	He	65854.025	ug/l	1.3	500000	
K	39	45	He	18737.411	ug/l	1.4	500000	
Ca	40	45	H2	39352.457	ug/l	1.4	1000000	
Ti	47	45	No Gas	1714.719	ug/l	1.5	10000	
V	51	45	He	220.875	ug/l	1.2	5000	
Cr	52	45	He	334.627	ug/l	0.2	20000	
Mn	55	45	He	3158.937	ug/l	1.6	20000	
Fe	56	45	H2	135628.283	ug/l	1.5	500000	
Co	59	45	He	68.265	ug/l	0.6	2000	
Ni	60	45	He	178.361	ug/l	1.8	20000	
Cu	63	45	He	381.770	ug/l	0.9	20000	
Zn	66	45	He	980.291	ug/l	0.9	20000	
As	75	45	He	104.621	ug/l	1.9	5000	
Se	78	45	H2	53.831	ug/l	1.1	3000	
Sr	88	115	He	283.234	ug/l	1.1	5000	
Mo	95	115	He	54.523	ug/l	2.0	2000	
Ag	107	115	He	31.026	ug/l	0.8	1000	
Cd	111	115	He	29.635	ug/l	2.6	5000	
Sn	118	115	He	105.665	ug/l	0.5	2000	
Sb	121	115	He	27.114	ug/l	1.1	1000	
Ba	137	159	He	322.783	ug/l	1.9	20000	
Tl	205	209	He	20.080	ug/l	0.9	1000	
[Pb]	206	209	He	428.984	ug/l	1.5		
[Pb]	207	209	He	420.327	ug/l	0.9		
Pb	208	209	He	421.784	ug/l	1.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8613015.22	0.6	91.5	60	125	
Sc (ISICPMS)	45	No Gas	6549303.58	1.0	94.0	60	125	
Sc (ISICPMS)	45	H2	2495073.44	1.0	94.0	60	125	
Sc (ISICPMS)	45	He	96665.06	1.1	90.0	60	125	
Ge (IS)	74	H2	475004.09	1.5	94.0	60	125	
Ge (IS)	74	He	52885.95	0.5	95.2	60	125	
Kr	83	He	23.36	65.5	700.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	113306.25	1.1	90.7	60	125	
Tb (IS)	159	He	710655.15	1.0	96.1	60	125	
Bi (IS)	209	He	627498.21	1.2	95.7	60	125	

DRAFT

Sample Report

File Name 244SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 22:15:35

Sample Name **460-307009-A-6-G MSD**

Comment ---

Dilution **1.0000**

Vial # 2504

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	50.352	ug/l	0.2	2000	
B	11	6	No Gas	1089.266	ug/l	1.1	2000	
Na	23	45	He	57956.671	ug/l	0.4	500000	
Mg	24	45	He	41028.143	ug/l	0.2	500000	
Al	27	45	He	75199.292	ug/l	0.2	500000	
K	39	45	He	21871.817	ug/l	0.3	500000	
Ca	40	45	H2	43175.427	ug/l	2.4	1000000	
Ti	47	45	No Gas	1901.736	ug/l	1.7	10000	
V	51	45	He	273.222	ug/l	1.0	5000	
Cr	52	45	He	384.390	ug/l	0.4	20000	
Mn	55	45	He	3378.649	ug/l	1.5	20000	
Fe	56	45	H2	143413.705	ug/l	1.9	500000	
Co	59	45	He	91.120	ug/l	0.8	2000	
Ni	60	45	He	222.987	ug/l	0.7	20000	
Cu	63	45	He	494.003	ug/l	0.7	20000	
Zn	66	45	He	1223.279	ug/l	0.3	20000	
As	75	45	He	151.309	ug/l	1.1	5000	
Se	78	45	H2	98.890	ug/l	1.3	3000	
Sr	88	115	He	354.137	ug/l	1.3	5000	
Mo	95	115	He	100.782	ug/l	0.4	2000	
Ag	107	115	He	56.361	ug/l	0.5	1000	
Cd	111	115	He	52.891	ug/l	0.9	5000	
Sn	118	115	He	152.572	ug/l	0.6	2000	
Sb	121	115	He	20.650	ug/l	3.0	1000	
Ba	137	159	He	411.617	ug/l	0.5	20000	
Tl	205	209	He	38.586	ug/l	0.9	1000	
[Pb]	206	209	He	461.566	ug/l	0.5		
[Pb]	207	209	He	443.632	ug/l	1.0		
Pb	208	209	He	450.937	ug/l	0.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8597127.44	0.6	91.3	60	125	
Sc (ISICPMS)	45	No Gas	6568884.42	0.3	94.3	60	125	
Sc (ISICPMS)	45	H2	2492422.86	0.3	93.9	60	125	
Sc (ISICPMS)	45	He	97551.24	0.1	90.8	60	125	
Ge (IS)	74	H2	474149.95	0.9	93.8	60	125	
Ge (IS)	74	He	52953.01	1.2	95.3	60	125	
Kr	83	He	23.36	89.2	700.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	113053.50	0.7	90.5	60	125	
Tb (IS)	159	He	714253.53	0.8	96.6	60	125	
Bi (IS)	209	He	618952.77	0.6	94.3	60	125	

DRAFT

Sample Report

File Name 245SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 22:18:04

Sample Name **460-307009-A-6-F MS**

Comment ---

Dilution **1.0000**

Vial # 2505

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	49.542	ug/l	2.4	2000	
B	11	6	No Gas	1071.261	ug/l	1.3	2000	
Na	23	45	He	56195.772	ug/l	0.6	500000	
Mg	24	45	He	40161.722	ug/l	0.4	500000	
Al	27	45	He	73054.517	ug/l	0.7	500000	
K	39	45	He	21608.379	ug/l	0.2	500000	
Ca	40	45	H2	42496.987	ug/l	1.7	1000000	
Ti	47	45	No Gas	1892.319	ug/l	0.3	10000	
V	51	45	He	269.692	ug/l	0.6	5000	
Cr	52	45	He	373.553	ug/l	1.8	20000	
Mn	55	45	He	3315.543	ug/l	0.3	20000	
Fe	56	45	H2	139723.420	ug/l	1.4	500000	
Co	59	45	He	89.182	ug/l	0.6	2000	
Ni	60	45	He	217.174	ug/l	1.3	20000	
Cu	63	45	He	417.831	ug/l	0.6	20000	
Zn	66	45	He	1191.693	ug/l	0.2	20000	
As	75	45	He	149.694	ug/l	0.3	5000	
Se	78	45	H2	95.244	ug/l	3.0	3000	
Sr	88	115	He	354.027	ug/l	0.7	5000	
Mo	95	115	He	95.929	ug/l	0.6	2000	
Ag	107	115	He	54.894	ug/l	0.8	1000	
Cd	111	115	He	51.641	ug/l	0.8	5000	
Sn	118	115	He	149.373	ug/l	0.9	2000	
Sb	121	115	He	19.889	ug/l	3.4	1000	
Ba	137	159	He	385.179	ug/l	0.5	20000	
Tl	205	209	He	37.220	ug/l	0.6	1000	
[Pb]	206	209	He	451.472	ug/l	0.6		
[Pb]	207	209	He	437.337	ug/l	0.7		
Pb	208	209	He	440.707	ug/l	0.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8619994.73	1.0	91.6	60	125	
Sc (ISICPMS)	45	No Gas	6599202.96	0.8	94.7	60	125	
Sc (ISICPMS)	45	H2	2518304.39	0.3	94.9	60	125	
Sc (ISICPMS)	45	He	98893.79	0.2	92.1	60	125	
Ge (IS)	74	H2	477937.01	0.5	94.5	60	125	
Ge (IS)	74	He	53301.94	1.3	95.9	60	125	
Kr	83	He	50.05	52.9	1500.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	114663.45	1.0	91.8	60	125	
Tb (IS)	159	He	713299.54	0.5	96.5	60	125	
Bi (IS)	209	He	628710.13	1.0	95.8	60	125	

DRAFT

Sample Report

File Name 246SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 22:20:34

Sample Name **460-307009-A-6-E DU**

Comment ---

Dilution **1.0000**

Vial # 2506

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	3.302	ug/l	2.6	2000	
B	11	6	No Gas	170.045	ug/l	1.3	2000	
Na	23	45	He	51308.177	ug/l	1.1	500000	
Mg	24	45	He	33370.601	ug/l	1.5	500000	
Al	27	45	He	59105.834	ug/l	1.5	500000	
K	39	45	He	15201.954	ug/l	1.7	500000	
Ca	40	45	H2	35507.090	ug/l	1.8	1000000	
Ti	47	45	No Gas	1572.082	ug/l	0.3	10000	
V	51	45	He	162.781	ug/l	0.7	5000	
Cr	52	45	He	268.644	ug/l	0.2	20000	
Mn	55	45	He	2757.499	ug/l	1.1	20000	
Fe	56	45	H2	126705.525	ug/l	1.7	500000	
Co	59	45	He	41.492	ug/l	0.5	2000	
Ni	60	45	He	121.520	ug/l	0.7	20000	
Cu	63	45	He	319.115	ug/l	0.7	20000	
Zn	66	45	He	709.247	ug/l	1.0	20000	
As	75	45	He	53.701	ug/l	3.0	5000	
Se	78	45	H2	3.211	ug/l	12.3	3000	
Sr	88	115	He	234.366	ug/l	0.7	5000	
Mo	95	115	He	5.034	ug/l	8.6	2000	
Ag	107	115	He	7.861	ug/l	0.5	1000	
Cd	111	115	He	3.768	ug/l	7.6	5000	
Sn	118	115	He	51.039	ug/l	0.3	2000	
Sb	121	115	He	1.232	ug/l	4.1	1000	
Ba	137	159	He	256.324	ug/l	0.7	20000	
Tl	205	209	He	0.787	ug/l	0.9	1000	
[Pb]	206	209	He	381.916	ug/l	0.7		
[Pb]	207	209	He	367.879	ug/l	0.3		
Pb	208	209	He	371.755	ug/l	0.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8696131.60	0.8	92.4	60	125	
Sc (ISICPMS)	45	No Gas	6646236.71	0.5	95.4	60	125	
Sc (ISICPMS)	45	H2	2538857.30	0.4	95.7	60	125	
Sc (ISICPMS)	45	He	98119.34	0.5	91.4	60	125	
Ge (IS)	74	H2	484033.87	0.1	95.7	60	125	
Ge (IS)	74	He	53293.24	1.0	95.9	60	125	
Kr	83	He	33.37	69.3	1000.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	115491.96	0.7	92.5	60	125	
Tb (IS)	159	He	722863.25	0.3	97.8	60	125	
Bi (IS)	209	He	629431.18	0.6	95.9	60	125	

DRAFT

Sample Report

File Name 247SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 22:23:04

Sample Name **460-307009-A-6-D**

Comment ---

Dilution **1.0000**

Vial # 2507

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	3.533	ug/l	1.3	2000	
B	11	6	No Gas	171.573	ug/l	1.5	2000	
Na	23	45	He	52961.035	ug/l	1.1	500000	
Mg	24	45	He	35345.551	ug/l	0.7	500000	
Al	27	45	He	63351.758	ug/l	0.6	500000	
K	39	45	He	16251.045	ug/l	0.9	500000	
Ca	40	45	H2	37255.630	ug/l	1.5	1000000	
Ti	47	45	No Gas	1678.853	ug/l	0.2	10000	
V	51	45	He	173.981	ug/l	1.3	5000	
Cr	52	45	He	287.324	ug/l	0.7	20000	
Mn	55	45	He	2910.107	ug/l	0.9	20000	
Fe	56	45	H2	134666.132	ug/l	1.9	500000	
Co	59	45	He	44.543	ug/l	0.2	2000	
Ni	60	45	He	134.829	ug/l	0.6	20000	
Cu	63	45	He	334.941	ug/l	0.2	20000	
Zn	66	45	He	757.432	ug/l	1.2	20000	
As	75	45	He	55.701	ug/l	3.4	5000	
Se	78	45	H2	2.871	ug/l	5.7	3000	
Sr	88	115	He	234.612	ug/l	1.5	5000	
Mo	95	115	He	5.750	ug/l	3.5	2000	
Ag	107	115	He	8.431	ug/l	1.2	1000	
Cd	111	115	He	3.997	ug/l	6.8	5000	
Sn	118	115	He	55.950	ug/l	1.6	2000	
Sb	121	115	He	1.548	ug/l	6.8	1000	
Ba	137	159	He	282.169	ug/l	2.3	20000	
Tl	205	209	He	0.853	ug/l	2.5	1000	
[Pb]	206	209	He	409.971	ug/l	0.9		
[Pb]	207	209	He	394.261	ug/l	0.5		
Pb	208	209	He	398.458	ug/l	0.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8680817.72	0.4	92.2	60	125	
Sc (ISICPMS)	45	No Gas	6622410.11	0.7	95.0	60	125	
Sc (ISICPMS)	45	H2	2527698.02	0.8	95.3	60	125	
Sc (ISICPMS)	45	He	99442.29	0.8	92.6	60	125	
Ge (IS)	74	H2	483345.41	1.3	95.6	60	125	
Ge (IS)	74	He	53902.31	1.0	97.0	60	125	
Kr	83	He	46.71	32.7	1400.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	115777.84	0.4	92.7	60	125	
Tb (IS)	159	He	725900.50	0.9	98.2	60	125	
Bi (IS)	209	He	637631.65	0.8	97.2	60	125	

DRAFT

Sample Report

File Name 248SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 22:25:35

Sample Name **SD 460-307009-A-6-D@5**

Comment ---

Dilution **1.0000**

Vial # 2508

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.869	ug/l	6.5	2000	
B	11	6	No Gas	40.950	ug/l	1.4	2000	
Na	23	45	He	10928.347	ug/l	1.7	500000	
Mg	24	45	He	7390.882	ug/l	1.7	500000	
Al	27	45	He	13145.602	ug/l	1.2	500000	
K	39	45	He	3345.571	ug/l	1.0	500000	
Ca	40	45	H2	7658.674	ug/l	0.6	1000000	
Ti	47	45	No Gas	339.777	ug/l	1.9	10000	
V	51	45	He	34.979	ug/l	3.0	5000	
Cr	52	45	He	60.157	ug/l	0.8	20000	
Mn	55	45	He	602.898	ug/l	2.1	20000	
Fe	56	45	H2	27861.295	ug/l	0.5	500000	
Co	59	45	He	9.437	ug/l	1.9	2000	
Ni	60	45	He	27.685	ug/l	3.1	20000	
Cu	63	45	He	70.759	ug/l	2.0	20000	
Zn	66	45	He	157.882	ug/l	1.6	20000	
As	75	45	He	11.712	ug/l	7.8	5000	
Se	78	45	H2	0.865	ug/l	16.7	3000	
Sr	88	115	He	46.549	ug/l	1.3	5000	
Mo	95	115	He	1.219	ug/l	8.9	2000	
Ag	107	115	He	1.815	ug/l	2.1	1000	
Cd	111	115	He	1.009	ug/l	8.1	5000	
Sn	118	115	He	11.487	ug/l	2.4	2000	
Sb	121	115	He	0.257	ug/l	28.4	1000	
Ba	137	159	He	56.494	ug/l	3.6	20000	
Tl	205	209	He	0.309	ug/l	5.6	1000	
[Pb]	206	209	He	81.984	ug/l	0.9		
[Pb]	207	209	He	79.455	ug/l	0.6		
Pb	208	209	He	80.832	ug/l	0.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8743105.29	0.4	92.9	60	125	
Sc (ISICPMS)	45	No Gas	6610248.44	0.7	94.8	60	125	
Sc (ISICPMS)	45	H2	2457090.29	0.4	92.6	60	125	
Sc (ISICPMS)	45	He	95552.45	1.1	89.0	60	125	
Ge (IS)	74	H2	482674.48	0.6	95.5	60	125	
Ge (IS)	74	He	53140.58	0.7	95.6	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	115396.58	0.8	92.4	60	125	
Tb (IS)	159	He	711666.67	0.6	96.3	60	125	
Bi (IS)	209	He	631173.97	1.2	96.2	60	125	

DRAFT

Sample Report

File Name 249SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 22:28:04

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.006	ug/l	21.6	2000	
B	11	6	No Gas	5.786	ug/l	1.9	2000	
Na	23	45	He	103.767	ug/l	8.0	500000	
Mg	24	45	He	0.322	ug/l	30.7	500000	
Al	27	45	He	1.573	ug/l	85.1	500000	
K	39	45	He	-14.427	ug/l	N/A	500000	
Ca	40	45	H2	4.773	ug/l	5.9	1000000	
Ti	47	45	No Gas	0.463	ug/l	67.5	10000	
V	51	45	He	-1.033	ug/l	N/A	5000	
Cr	52	45	He	-0.266	ug/l	N/A	20000	
Mn	55	45	He	0.652	ug/l	25.0	20000	
Fe	56	45	H2	5.357	ug/l	6.8	500000	
Co	59	45	He	0.018	ug/l	146.1	2000	
Ni	60	45	He	-0.098	ug/l	N/A	20000	
Cu	63	45	He	0.065	ug/l	70.8	20000	
Zn	66	45	He	0.297	ug/l	111.8	20000	
As	75	45	He	-0.364	ug/l	N/A	5000	
Se	78	45	H2	0.035	ug/l	95.3	3000	
Sr	88	115	He	0.021	ug/l	103.9	5000	
Mo	95	115	He	0.035	ug/l	99.4	2000	
Ag	107	115	He	0.001	ug/l	392.7	1000	
Cd	111	115	He	0.006	ug/l	173.2	5000	
Sn	118	115	He	0.046	ug/l	725.5	2000	
Sb	121	115	He	-0.038	ug/l	N/A	1000	
Ba	137	159	He	0.262	ug/l	44.4	20000	
Tl	205	209	He	-0.049	ug/l	N/A	1000	
[Pb]	206	209	He	0.046	ug/l	32.6		
[Pb]	207	209	He	0.051	ug/l	43.1		
Pb	208	209	He	0.056	ug/l	6.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8724336.33	0.6	92.7	60	125	
Sc (ISICPMS)	45	No Gas	6554673.65	0.8	94.1	60	125	
Sc (ISICPMS)	45	H2	2453608.63	1.0	92.5	60	125	
Sc (ISICPMS)	45	He	96265.02	0.9	89.6	60	125	
Ge (IS)	74	H2	467031.38	0.5	92.4	60	125	
Ge (IS)	74	He	51749.56	1.3	93.1	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	117306.47	1.2	94.0	60	125	
Tb (IS)	159	He	718028.47	0.5	97.1	60	125	
Bi (IS)	209	He	641414.42	1.4	97.8	60	125	

DRAFT

Sample Report

File Name 250SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 22:30:34

Sample Name **460-307009-A-7-D**

Comment ---

Dilution **1.0000**

Vial # 2509

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	3.828	ug/l	1.2	2000	
B	11	6	No Gas	185.471	ug/l	1.3	2000	
Na	23	45	He	58817.263	ug/l	0.3	500000	
Mg	24	45	He	39699.988	ug/l	0.6	500000	
Al	27	45	He	69768.351	ug/l	0.2	500000	
K	39	45	He	17716.622	ug/l	0.5	500000	
Ca	40	45	H2	43571.533	ug/l	1.4	1000000	
Ti	47	45	No Gas	1851.616	ug/l	1.4	10000	
V	51	45	He	190.487	ug/l	0.8	5000	
Cr	52	45	He	271.273	ug/l	0.4	20000	
Mn	55	45	He	3359.417	ug/l	0.8	20000	
Fe	56	45	H2	148191.569	ug/l	0.6	500000	
Co	59	45	He	48.831	ug/l	1.0	2000	
Ni	60	45	He	140.751	ug/l	1.1	20000	
Cu	63	45	He	321.499	ug/l	0.5	20000	
Zn	66	45	He	781.329	ug/l	0.3	20000	
As	75	45	He	59.659	ug/l	4.1	5000	
Se	78	45	H2	3.216	ug/l	13.8	3000	
Sr	88	115	He	286.496	ug/l	1.3	5000	
Mo	95	115	He	5.224	ug/l	3.0	2000	
Ag	107	115	He	7.435	ug/l	2.4	1000	
Cd	111	115	He	2.518	ug/l	10.5	5000	
Sn	118	115	He	53.309	ug/l	2.8	2000	
Sb	121	115	He	1.106	ug/l	11.7	1000	
Ba	137	159	He	282.676	ug/l	1.0	20000	
Tl	205	209	He	0.875	ug/l	2.8	1000	
[Pb]	206	209	He	398.605	ug/l	0.8		
[Pb]	207	209	He	389.384	ug/l	0.8		
Pb	208	209	He	390.370	ug/l	1.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8723483.55	0.8	92.7	60	125	
Sc (ISICPMS)	45	No Gas	6712246.01	0.8	96.3	60	125	
Sc (ISICPMS)	45	H2	2547870.14	0.9	96.0	60	125	
Sc (ISICPMS)	45	He	99123.32	0.2	92.3	60	125	
Ge (IS)	74	H2	484311.65	0.6	95.8	60	125	
Ge (IS)	74	He	54058.55	1.0	97.3	60	125	
Kr	83	He	43.38	48.0	1300.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	115917.65	1.3	92.8	60	125	
Tb (IS)	159	He	721691.18	1.0	97.6	60	125	
Bi (IS)	209	He	634133.90	1.5	96.7	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 251_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 22:33:03

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	99.971	ug/l	1.1	100	90	110	
B	11	6	No Gas	259.121	ug/l	0.5	250	225	275	
Na	23	45	He	25891.772	ug/l	0.6	25000	22500	27500	
Mg	24	45	He	25529.715	ug/l	1.2	25000	22500	27500	
Al	27	45	He	24970.081	ug/l	1.0	25000	22500	27500	
K	39	45	He	25621.724	ug/l	1.3	25000	22500	27500	
Ca	40	45	H2	25206.142	ug/l	2.0	25000	22500	27500	
Ti	47	45	No Gas	101.359	ug/l	1.0	100	90	110	
V	51	45	He	100.421	ug/l	1.5	100	90	110	
Cr	52	45	He	101.643	ug/l	1.0	100	90	110	
Mn	55	45	He	102.753	ug/l	0.7	100	90	110	
Fe	56	45	H2	25728.022	ug/l	1.6	25000	22500	27500	
Co	59	45	He	102.512	ug/l	0.5	100	90	110	
Ni	60	45	He	101.707	ug/l	0.6	100	90	110	
Cu	63	45	He	102.732	ug/l	0.9	100	90	110	
Zn	66	45	He	259.175	ug/l	0.7	250	225	275	
As	75	45	He	102.094	ug/l	0.9	100	90	110	
Se	78	45	H2	104.871	ug/l	4.1	100	90	110	
Sr	88	115	He	99.366	ug/l	2.8	100	90	110	
Mo	95	115	He	101.861	ug/l	0.9	100	90	110	
Ag	107	115	He	50.914	ug/l	1.1	50	45	55	
Cd	111	115	He	101.164	ug/l	1.6	100	90	110	
Sn	118	115	He	103.577	ug/l	2.7	100	90	110	
Sb	121	115	He	103.159	ug/l	0.8	100	90	110	
Ba	137	159	He	98.783	ug/l	1.4	100	90	110	
Tl	205	209	He	101.272	ug/l	1.1	100	90	110	
[Pb]	206	209	He	101.950	ug/l	1.5				
[Pb]	207	209	He	101.232	ug/l	1.0				
Pb	208	209	He	101.770	ug/l	1.4	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	8727789.38	0.3	92.7	60	125	
Sc (ISICPMS)	45	No Gas	6492730.60	0.5	93.2	60	125	
Sc (ISICPMS)	45	H2	2478828.94	0.7	93.4	60	125	
Sc (ISICPMS)	45	He	96581.57	0.5	89.9	60	125	
Ge (IS)	74	H2	479522.45	0.7	94.9	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	52966.30	1.0	95.3	60	125	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	116337.93	0.5	93.2	60	125	
Tb (IS)	159	He	713559.38	0.8	96.5	60	125	
Bi (IS)	209	He	627203.54	0.2	95.6	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 252_Blk.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 22:35:33

Sample Name **CCB**

Comment ---

Dilution 1.0000

Multiplier Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.017	ug/l	28.4	0.8	-0.8	0.8	
B	11	6	No Gas	5.768	ug/l	1.9	40	-40	40	
Na	23	45	He	124.100	ug/l	4.0	500	-500	500	
Mg	24	45	He	1.557	ug/l	23.4	200	-200	200	
Al	27	45	He	0.636	ug/l	107.6	40	-40	40	
K	39	45	He	-15.058	ug/l	N/A	200	-200	200	
Ca	40	45	H2	10.355	ug/l	4.7	500	-500	500	
Ti	47	45	No Gas	0.688	ug/l	44.7	4	-4	4	
V	51	45	He	-0.958	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.151	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.596	ug/l	38.3	8	-8	8	
Fe	56	45	H2	7.902	ug/l	6.1	60	-60	60	
Co	59	45	He	0.036	ug/l	28.3	4	-4	4	
Ni	60	45	He	-0.090	ug/l	N/A	4	-4	4	
Cu	63	45	He	-0.051	ug/l	N/A	4	-4	4	
Zn	66	45	He	-0.248	ug/l	N/A	16	-16	16	
As	75	45	He	-0.260	ug/l	N/A	2	-2	2	
Se	78	45	H2	0.323	ug/l	27.4	2.5	-2.5	2.5	
Sr	88	115	He	0.006	ug/l	727.8	4	-4	4	
Mo	95	115	He	0.113	ug/l	19.8	4	-4	4	
Ag	107	115	He	0.002	ug/l	378.9	2	-2	2	
Cd	111	115	He	0.000	ug/l	N/A	2	-2	2	
Sn	118	115	He	0.099	ug/l	272.5	16	-16	16	
Sb	121	115	He	-0.016	ug/l	N/A	2	-2	2	
Ba	137	159	He	0.109	ug/l	54.4	4	-4	4	
Tl	205	209	He	-0.033	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.052	ug/l	61.2				
[Pb]	207	209	He	0.042	ug/l	12.3				
Pb	208	209	He	0.049	ug/l	24.0	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	8670545.71	0.2	92.1	60	125	
Sc (ISICPMS)	45	No Gas	6451316.57	1.4	92.6	60	125	
Sc (ISICPMS)	45	H2	2447119.37	0.2	92.2	60	125	
Sc (ISICPMS)	45	He	95816.04	1.5	89.2	60	125	
Ge (IS)	74	H2	468018.38	0.4	92.6	60	125	
Ge (IS)	74	He	51427.11	0.5	92.5	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	117177.09	1.4	93.8	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	714896.95	0.8	96.7	60	125	
Bi (IS)	209	He	636264.50	1.1	97.0	60	125	

DRAFT

Sample Report

File Name 253SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 22:38:02

Sample Name **460-307009-A-8-J**

Comment ---

Dilution **1.0000**

Vial # 2510

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	4.088	ug/l	1.5	2000	
B	11	6	No Gas	189.649	ug/l	1.3	2000	
Na	23	45	He	56970.464	ug/l	0.9	500000	
Mg	24	45	He	41180.009	ug/l	0.7	500000	
Al	27	45	He	75830.994	ug/l	0.7	500000	
K	39	45	He	18586.076	ug/l	0.8	500000	
Ca	40	45	H2	43718.330	ug/l	1.0	1000000	
Ti	47	45	No Gas	2005.336	ug/l	10.4	10000	
V	51	45	He	202.430	ug/l	1.2	5000	
Cr	52	45	He	293.713	ug/l	1.5	20000	
Mn	55	45	He	4350.001	ug/l	0.7	20000	
Fe	56	45	H2	157395.712	ug/l	0.7	500000	
Co	59	45	He	52.636	ug/l	1.0	2000	
Ni	60	45	He	143.345	ug/l	1.3	20000	
Cu	63	45	He	330.478	ug/l	0.6	20000	
Zn	66	45	He	826.531	ug/l	0.9	20000	
As	75	45	He	66.614	ug/l	2.1	5000	
Se	78	45	H2	3.342	ug/l	6.7	3000	
Sr	88	115	He	302.084	ug/l	1.1	5000	
Mo	95	115	He	5.589	ug/l	2.1	2000	
Ag	107	115	He	8.414	ug/l	0.8	1000	
Cd	111	115	He	3.335	ug/l	5.4	5000	
Sn	118	115	He	56.759	ug/l	0.2	2000	
Sb	121	115	He	1.117	ug/l	6.3	1000	
Ba	137	159	He	301.621	ug/l	1.5	20000	
Tl	205	209	He	0.902	ug/l	2.1	1000	
[Pb]	206	209	He	428.894	ug/l	0.8		
[Pb]	207	209	He	411.789	ug/l	0.7		
Pb	208	209	He	415.171	ug/l	0.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8812848.62	0.1	93.6	60	125	
Sc (ISICPMS)	45	No Gas	6723044.21	0.7	96.5	60	125	
Sc (ISICPMS)	45	H2	2571056.73	0.7	96.9	60	125	
Sc (ISICPMS)	45	He	99467.37	0.2	92.6	60	125	
Ge (IS)	74	H2	486491.65	0.7	96.2	60	125	
Ge (IS)	74	He	54419.84	0.4	97.9	60	125	
Kr	83	He	36.70	15.7	1100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	116649.20	1.6	93.4	60	125	
Tb (IS)	159	He	730581.46	1.3	98.8	60	125	
Bi (IS)	209	He	636012.03	1.2	97.0	60	125	

DRAFT

Sample Report

File Name 254SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 22:40:32

Sample Name **460-307057-C-1-H**

Comment ---

Dilution **1.0000**

Vial # 2511

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	5.558	ug/l	2.5	2000	
B	11	6	No Gas	37.026	ug/l	2.4	2000	
Na	23	45	He	1972.246	ug/l	0.6	500000	
Mg	24	45	He	15069.588	ug/l	0.9	500000	
Al	27	45	He	119088.452	ug/l	0.3	500000	
K	39	45	He	6635.188	ug/l	0.9	500000	
Ca	40	45	H2	39525.681	ug/l	0.6	1000000	
Ti	47	45	No Gas	2418.742	ug/l	1.0	10000	
V	51	45	He	258.796	ug/l	1.2	5000	
Cr	52	45	He	255.141	ug/l	0.8	20000	
Mn	55	45	He	5276.007	ug/l	1.1	20000	
Fe	56	45	H2	172548.300	ug/l	0.8	500000	
Co	59	45	He	63.900	ug/l	0.8	2000	
Ni	60	45	He	108.740	ug/l	0.2	20000	
Cu	63	45	He	180.437	ug/l	0.7	20000	
Zn	66	45	He	1038.970	ug/l	1.0	20000	
As	75	45	He	37.455	ug/l	3.5	5000	
Se	78	45	H2	2.724	ug/l	6.6	3000	
Sr	88	115	He	193.782	ug/l	0.9	5000	
Mo	95	115	He	23.058	ug/l	1.7	2000	
Ag	107	115	He	1.345	ug/l	1.0	1000	
Cd	111	115	He	2.914	ug/l	6.6	5000	
Sn	118	115	He	56.687	ug/l	2.2	2000	
Sb	121	115	He	2.217	ug/l	9.5	1000	
Ba	137	159	He	907.590	ug/l	0.4	20000	
Tl	205	209	He	1.030	ug/l	1.4	1000	
[Pb]	206	209	He	1617.791	ug/l	0.9		
[Pb]	207	209	He	1558.600	ug/l	0.3		
Pb	208	209	He	1578.929	ug/l	1.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8815381.12	1.0	93.6	60	125	
Sc (ISICPMS)	45	No Gas	6923100.66	1.2	99.3	60	125	
Sc (ISICPMS)	45	H2	2661368.23	0.7	100.3	60	125	
Sc (ISICPMS)	45	He	102851.31	0.4	95.8	60	125	
Ge (IS)	74	H2	491424.81	0.4	97.2	60	125	
Ge (IS)	74	He	55035.65	2.1	99.0	60	125	
Kr	83	He	70.07	14.3	2100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	118681.43	1.2	95.1	60	125	
Tb (IS)	159	He	744012.07	1.3	100.6	60	125	
Bi (IS)	209	He	636708.28	1.6	97.1	60	125	

DRAFT

Sample Report

File Name 255SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 22:43:02

Sample Name **460-307057-C-2-D**

Comment ---

Dilution **1.0000**

Vial # 2512

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	6.187	ug/l	0.7	2000	
B	11	6	No Gas	39.147	ug/l	0.9	2000	
Na	23	45	He	1682.500	ug/l	1.1	500000	
Mg	24	45	He	18460.119	ug/l	0.9	500000	
Al	27	45	He	126867.206	ug/l	1.4	500000	
K	39	45	He	6899.588	ug/l	1.4	500000	
Ca	40	45	H2	20562.767	ug/l	0.7	1000000	
Ti	47	45	No Gas	2636.138	ug/l	0.5	10000	
V	51	45	He	263.550	ug/l	1.3	5000	
Cr	52	45	He	180.667	ug/l	1.2	20000	
Mn	55	45	He	2297.176	ug/l	1.5	20000	
Fe	56	45	H2	157323.993	ug/l	0.2	500000	
Co	59	45	He	79.882	ug/l	0.5	2000	
Ni	60	45	He	106.070	ug/l	2.4	20000	
Cu	63	45	He	284.759	ug/l	1.2	20000	
Zn	66	45	He	1138.966	ug/l	1.2	20000	
As	75	45	He	57.545	ug/l	3.9	5000	
Se	78	45	H2	2.365	ug/l	5.1	3000	
Sr	88	115	He	141.428	ug/l	1.9	5000	
Mo	95	115	He	5.994	ug/l	6.1	2000	
Ag	107	115	He	1.153	ug/l	1.9	1000	
Cd	111	115	He	1.718	ug/l	4.5	5000	
Sn	118	115	He	45.620	ug/l	3.8	2000	
Sb	121	115	He	3.615	ug/l	4.6	1000	
Ba	137	159	He	823.648	ug/l	1.2	20000	
Tl	205	209	He	1.038	ug/l	1.8	1000	
[Pb]	206	209	He	1504.039	ug/l	0.4		
[Pb]	207	209	He	1424.776	ug/l	0.7		
Pb	208	209	He	1454.151	ug/l	0.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8805824.38	1.1	93.5	60	125	
Sc (ISICPMS)	45	No Gas	6994170.59	1.3	100.4	60	125	
Sc (ISICPMS)	45	H2	2668985.44	0.3	100.6	60	125	
Sc (ISICPMS)	45	He	103380.02	1.4	96.3	60	125	
Ge (IS)	74	H2	490253.50	1.1	97.0	60	125	
Ge (IS)	74	He	54640.71	0.2	98.3	60	125	
Kr	83	He	96.77	12.0	2900.1			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	118975.72	0.7	95.3	60	125	
Tb (IS)	159	He	757212.19	0.6	102.4	60	125	
Bi (IS)	209	He	635310.44	1.2	96.8	60	125	

DRAFT

Sample Report

File Name 256SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 22:45:33

Sample Name **460-307057-C-3-D**

Comment ---

Dilution **1.0000**

Vial # 3101

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	5.500	ug/l	3.2	2000	
B	11	6	No Gas	45.155	ug/l	2.7	2000	
Na	23	45	He	2232.361	ug/l	0.5	500000	
Mg	24	45	He	19900.273	ug/l	1.1	500000	
Al	27	45	He	113780.960	ug/l	1.2	500000	
K	39	45	He	8623.671	ug/l	0.6	500000	
Ca	40	45	H2	85377.728	ug/l	3.3	1000000	
Ti	47	45	No Gas	2740.730	ug/l	1.9	10000	
V	51	45	He	279.391	ug/l	1.3	5000	
Cr	52	45	He	190.107	ug/l	1.7	20000	
Mn	55	45	He	2979.604	ug/l	1.2	20000	
Fe	56	45	H2	188947.584	ug/l	3.9	500000	
Co	59	45	He	74.613	ug/l	1.8	2000	
Ni	60	45	He	103.579	ug/l	1.8	20000	
Cu	63	45	He	206.720	ug/l	0.6	20000	
Zn	66	45	He	868.738	ug/l	1.5	20000	
As	75	45	He	42.961	ug/l	0.4	5000	
Se	78	45	H2	2.997	ug/l	8.3	3000	
Sr	88	115	He	371.470	ug/l	0.6	5000	
Mo	95	115	He	9.274	ug/l	3.2	2000	
Ag	107	115	He	3.419	ug/l	1.7	1000	
Cd	111	115	He	1.986	ug/l	7.5	5000	
Sn	118	115	He	110.238	ug/l	1.2	2000	
Sb	121	115	He	2.928	ug/l	8.3	1000	
Ba	137	159	He	1438.846	ug/l	0.8	20000	
Tl	205	209	He	1.147	ug/l	2.2	1000	
[Pb]	206	209	He	3371.064	ug/l	1.5		
[Pb]	207	209	He	3060.077	ug/l	0.3		
Pb	208	209	He	3194.558	ug/l	1.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8797410.43	0.4	93.4	60	125	
Sc (ISICPMS)	45	No Gas	6998045.17	0.7	100.4	60	125	
Sc (ISICPMS)	45	H2	2615977.20	1.3	98.6	60	125	
Sc (ISICPMS)	45	He	102234.65	1.0	95.2	60	125	
Ge (IS)	74	H2	477163.13	0.6	94.4	60	125	
Ge (IS)	74	He	53732.69	1.2	96.7	60	125	
Kr	83	He	43.38	53.3	1300.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	116587.51	1.0	93.4	60	125	
Tb (IS)	159	He	736205.17	1.4	99.6	60	125	
Bi (IS)	209	He	627977.49	1.7	95.7	60	125	

DRAFT

Sample Report

File Name 257SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 22:48:04

Sample Name **460-307057-D-4-D**

Comment ---

Dilution **1.0000**

Vial # 3102

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	2.135	ug/l	2.4	2000	
B	11	6	No Gas	20.917	ug/l	2.8	2000	
Na	23	45	He	611.422	ug/l	1.4	500000	
Mg	24	45	He	5850.801	ug/l	0.7	500000	
Al	27	45	He	46688.855	ug/l	1.0	500000	
K	39	45	He	2451.571	ug/l	1.2	500000	
Ca	40	45	H2	10025.063	ug/l	0.6	1000000	
Ti	47	45	No Gas	1227.802	ug/l	0.4	10000	
V	51	45	He	109.517	ug/l	0.6	5000	
Cr	52	45	He	71.488	ug/l	1.0	20000	
Mn	55	45	He	1125.406	ug/l	0.8	20000	
Fe	56	45	H2	64530.827	ug/l	1.1	500000	
Co	59	45	He	20.970	ug/l	1.2	2000	
Ni	60	45	He	34.879	ug/l	1.0	20000	
Cu	63	45	He	67.451	ug/l	0.8	20000	
Zn	66	45	He	336.349	ug/l	0.5	20000	
As	75	45	He	14.585	ug/l	7.7	5000	
Se	78	45	H2	1.216	ug/l	6.6	3000	
Sr	88	115	He	60.696	ug/l	1.4	5000	
Mo	95	115	He	2.146	ug/l	5.2	2000	
Ag	107	115	He	1.971	ug/l	3.9	1000	
Cd	111	115	He	0.560	ug/l	35.3	5000	
Sn	118	115	He	41.358	ug/l	2.6	2000	
Sb	121	115	He	0.887	ug/l	11.5	1000	
Ba	137	159	He	460.448	ug/l	1.7	20000	
Tl	205	209	He	0.320	ug/l	3.3	1000	
[Pb]	206	209	He	509.402	ug/l	0.9		
[Pb]	207	209	He	476.112	ug/l	0.7		
Pb	208	209	He	489.246	ug/l	1.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8810753.14	1.4	93.6	60	125	
Sc (ISICPMS)	45	No Gas	6744506.78	0.5	96.8	60	125	
Sc (ISICPMS)	45	H2	2552680.72	0.6	96.2	60	125	
Sc (ISICPMS)	45	He	99077.45	0.8	92.3	60	125	
Ge (IS)	74	H2	484673.44	0.5	95.9	60	125	
Ge (IS)	74	He	54274.82	0.5	97.7	60	125	
Kr	83	He	46.71	44.6	1400.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	117608.45	1.2	94.2	60	125	
Tb (IS)	159	He	729144.80	1.0	98.6	60	125	
Bi (IS)	209	He	637957.18	1.0	97.2	60	125	

DRAFT

Sample Report

File Name 258SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 22:50:36

Sample Name **460-307057-D-5-D**

Comment ---

Dilution **1.0000**

Vial # 3103

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	6.309	ug/l	2.1	2000	
B	11	6	No Gas	114.745	ug/l	1.0	2000	
Na	23	45	He	1709.835	ug/l	1.8	500000	
Mg	24	45	He	14664.608	ug/l	0.9	500000	
Al	27	45	He	109954.692	ug/l	1.3	500000	
K	39	45	He	15349.914	ug/l	0.5	500000	
Ca	40	45	H2	45600.281	ug/l	1.7	1000000	
Ti	47	45	No Gas	2446.005	ug/l	1.6	10000	
V	51	45	He	381.673	ug/l	0.5	5000	
Cr	52	45	He	651.769	ug/l	0.7	20000	
Mn	55	45	He	3439.745	ug/l	0.5	20000	
Fe	56	45	H2	346528.058	ug/l	1.4	500000	
Co	59	45	He	55.808	ug/l	0.2	2000	
Ni	60	45	He	157.747	ug/l	1.1	20000	
Cu	63	45	He	588.126	ug/l	1.1	20000	
Zn	66	45	He	1802.578	ug/l	0.2	20000	
As	75	45	He	97.727	ug/l	0.9	5000	
Se	78	45	H2	2.608	ug/l	7.8	3000	
Sr	88	115	He	165.174	ug/l	0.8	5000	
Mo	95	115	He	13.260	ug/l	2.5	2000	
Ag	107	115	He	5.182	ug/l	1.8	1000	
Cd	111	115	He	3.687	ug/l	7.4	5000	
Sn	118	115	He	543.303	ug/l	1.0	2000	
Sb	121	115	He	24.699	ug/l	1.8	1000	
Ba	137	159	He	1414.493	ug/l	1.0	20000	
Tl	205	209	He	0.562	ug/l	5.4	1000	
[Pb]	206	209	He	4432.914	ug/l	0.3		
[Pb]	207	209	He	4379.056	ug/l	0.6		
Pb	208	209	He	4383.759	ug/l	0.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8738095.57	1.1	92.8	60	125	
Sc (ISICPMS)	45	No Gas	6914488.58	0.7	99.2	60	125	
Sc (ISICPMS)	45	H2	2672043.92	0.2	100.7	60	125	
Sc (ISICPMS)	45	He	102433.13	0.6	95.4	60	125	
Ge (IS)	74	H2	492639.10	0.4	97.4	60	125	
Ge (IS)	74	He	54560.27	1.6	98.2	60	125	
Kr	83	He	36.70	31.5	1100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	118871.43	1.1	95.2	60	125	
Tb (IS)	159	He	738459.31	1.1	99.9	60	125	
Bi (IS)	209	He	640835.01	0.5	97.7	60	125	

DRAFT

Sample Report

File Name 259SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 22:53:07

Sample Name **460-307057-C-6-D**

Comment ---

Dilution **1.0000**

Vial # 3104

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	9.054	ug/l	2.9	2000	
B	11	6	No Gas	133.980	ug/l	1.0	2000	
Na	23	45	He	873.359	ug/l	1.4	500000	
Mg	24	45	He	18791.883	ug/l	0.9	500000	
Al	27	45	He	154360.223	ug/l	1.0	500000	
K	39	45	He	20299.717	ug/l	0.4	500000	
Ca	40	45	H2	17302.239	ug/l	2.2	1000000	
Ti	47	45	No Gas	3833.884	ug/l	0.4	10000	
V	51	45	He	537.593	ug/l	0.4	5000	
Cr	52	45	He	931.208	ug/l	0.6	20000	
Mn	55	45	He	2887.713	ug/l	0.7	20000	
Fe	56	45	H2	333019.481	ug/l	2.4	500000	
Co	59	45	He	178.741	ug/l	0.9	2000	
Ni	60	45	He	119.462	ug/l	0.7	20000	
Cu	63	45	He	104.150	ug/l	0.9	20000	
Zn	66	45	He	479.507	ug/l	0.8	20000	
As	75	45	He	129.519	ug/l	1.3	5000	
Se	78	45	H2	3.081	ug/l	0.3	3000	
Sr	88	115	He	120.320	ug/l	1.0	5000	
Mo	95	115	He	7.843	ug/l	0.7	2000	
Ag	107	115	He	0.111	ug/l	29.8	1000	
Cd	111	115	He	0.515	ug/l	20.7	5000	
Sn	118	115	He	15.162	ug/l	4.8	2000	
Sb	121	115	He	1.690	ug/l	4.2	1000	
Ba	137	159	He	503.752	ug/l	1.4	20000	
Tl	205	209	He	1.047	ug/l	2.2	1000	
[Pb]	206	209	He	89.962	ug/l	1.2		
[Pb]	207	209	He	85.431	ug/l	1.7		
Pb	208	209	He	87.676	ug/l	1.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8889058.90	1.5	94.4	60	125	
Sc (ISICPMS)	45	No Gas	7205569.13	0.7	103.4	60	125	
Sc (ISICPMS)	45	H2	2762654.65	0.6	104.1	60	125	
Sc (ISICPMS)	45	He	108397.93	0.7	100.9	60	125	
Ge (IS)	74	H2	495065.05	0.4	97.9	60	125	
Ge (IS)	74	He	55140.48	0.4	99.2	60	125	
Kr	83	He	73.41	28.4	2200.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	119480.71	1.2	95.7	60	125	
Tb (IS)	159	He	750003.92	1.2	101.4	60	125	
Bi (IS)	209	He	633901.43	1.6	96.6	60	125	

DRAFT

Sample Report

File Name 260SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 22:55:38

Sample Name **460-307057-D-7-D**

Comment ---

Dilution **1.0000**

Vial # 3105

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	7.083	ug/l	2.2	2000	
B	11	6	No Gas	119.972	ug/l	1.1	2000	
Na	23	45	He	629.260	ug/l	1.3	500000	
Mg	24	45	He	14937.539	ug/l	1.0	500000	
Al	27	45	He	109610.465	ug/l	0.7	500000	
K	39	45	He	16722.108	ug/l	0.4	500000	
Ca	40	45	H2	18540.001	ug/l	1.9	1000000	
Ti	47	45	No Gas	3193.236	ug/l	0.6	10000	
V	51	45	He	423.631	ug/l	0.9	5000	
Cr	52	45	He	614.191	ug/l	0.4	20000	
Mn	55	45	He	2968.336	ug/l	0.8	20000	
Fe	56	45	H2	322798.195	ug/l	1.3	500000	
Co	59	45	He	67.283	ug/l	0.9	2000	
Ni	60	45	He	96.371	ug/l	2.5	20000	
Cu	63	45	He	78.704	ug/l	1.8	20000	
Zn	66	45	He	433.704	ug/l	0.8	20000	
As	75	45	He	111.024	ug/l	0.6	5000	
Se	78	45	H2	3.045	ug/l	5.3	3000	
Sr	88	115	He	105.000	ug/l	0.4	5000	
Mo	95	115	He	6.507	ug/l	0.9	2000	
Ag	107	115	He	0.172	ug/l	11.7	1000	
Cd	111	115	He	0.707	ug/l	11.2	5000	
Sn	118	115	He	14.354	ug/l	3.0	2000	
Sb	121	115	He	1.520	ug/l	10.5	1000	
Ba	137	159	He	377.935	ug/l	1.1	20000	
Tl	205	209	He	1.056	ug/l	0.9	1000	
[Pb]	206	209	He	75.450	ug/l	2.1		
[Pb]	207	209	He	71.849	ug/l	0.6		
Pb	208	209	He	73.486	ug/l	1.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8867372.99	0.2	94.2	60	125	
Sc (ISICPMS)	45	No Gas	6993148.44	0.5	100.3	60	125	
Sc (ISICPMS)	45	H2	2673026.32	0.6	100.7	60	125	
Sc (ISICPMS)	45	He	104452.50	0.8	97.3	60	125	
Ge (IS)	74	H2	488628.84	0.7	96.7	60	125	
Ge (IS)	74	He	53825.45	0.6	96.9	60	125	
Kr	83	He	56.72	10.2	1700.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	118668.06	1.4	95.0	60	125	
Tb (IS)	159	He	747690.91	0.5	101.1	60	125	
Bi (IS)	209	He	635755.13	1.4	96.9	60	125	

DRAFT

Sample Report

File Name 261SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 22:58:09

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.006	ug/l	27.8	2000	
B	11	6	No Gas	3.364	ug/l	6.8	2000	
Na	23	45	He	75.162	ug/l	3.6	500000	
Mg	24	45	He	0.637	ug/l	42.0	500000	
Al	27	45	He	4.527	ug/l	40.6	500000	
K	39	45	He	-22.010	ug/l	N/A	500000	
Ca	40	45	H2	2.257	ug/l	8.0	1000000	
Ti	47	45	No Gas	0.715	ug/l	5.5	10000	
V	51	45	He	-1.048	ug/l	N/A	5000	
Cr	52	45	He	-0.366	ug/l	N/A	20000	
Mn	55	45	He	1.138	ug/l	21.0	20000	
Fe	56	45	H2	19.999	ug/l	2.6	500000	
Co	59	45	He	0.013	ug/l	183.1	2000	
Ni	60	45	He	-0.121	ug/l	N/A	20000	
Cu	63	45	He	0.056	ug/l	12.2	20000	
Zn	66	45	He	0.188	ug/l	53.1	20000	
As	75	45	He	-0.273	ug/l	N/A	5000	
Se	78	45	H2	0.013	ug/l	567.9	3000	
Sr	88	115	He	0.001	ug/l	3348.5	5000	
Mo	95	115	He	0.046	ug/l	41.5	2000	
Ag	107	115	He	0.001	ug/l	213.9	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	0.143	ug/l	121.7	2000	
Sb	121	115	He	-0.048	ug/l	N/A	1000	
Ba	137	159	He	0.158	ug/l	53.2	20000	
Tl	205	209	He	-0.049	ug/l	N/A	1000	
[Pb]	206	209	He	0.067	ug/l	30.3		
[Pb]	207	209	He	0.068	ug/l	30.2		
Pb	208	209	He	0.090	ug/l	15.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9057896.88	0.5	96.2	60	125	
Sc (ISICPMS)	45	No Gas	6756602.61	0.1	96.9	60	125	
Sc (ISICPMS)	45	H2	2524986.66	1.0	95.2	60	125	
Sc (ISICPMS)	45	He	100525.89	0.3	93.6	60	125	
Ge (IS)	74	H2	474382.28	0.8	93.8	60	125	
Ge (IS)	74	He	53545.36	1.2	96.4	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	123387.87	0.2	98.8	60	125	
Tb (IS)	159	He	739229.91	0.7	100.0	60	125	
Bi (IS)	209	He	672138.63	0.7	102.5	60	125	

DRAFT

Sample Report

File Name 262SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 23:00:39

Sample Name **460-307057-C-8-D**

Comment ---

Dilution **1.0000**

Vial # 3106

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	4.929	ug/l	1.3	2000	
B	11	6	No Gas	17.385	ug/l	0.2	2000	
Na	23	45	He	204.547	ug/l	0.5	500000	
Mg	24	45	He	1672.357	ug/l	0.7	500000	
Al	27	45	He	44346.298	ug/l	0.4	500000	
K	39	45	He	384.044	ug/l	0.5	500000	
Ca	40	45	H2	4132.639	ug/l	1.1	1000000	
Ti	47	45	No Gas	2166.407	ug/l	2.2	10000	
V	51	45	He	841.633	ug/l	0.7	5000	
Cr	52	45	He	397.591	ug/l	0.1	20000	
Mn	55	45	He	143.405	ug/l	0.0	20000	
Fe	56	45	H2	297473.241	ug/l	0.9	500000	
Co	59	45	He	5.905	ug/l	0.8	2000	
Ni	60	45	He	14.411	ug/l	4.5	20000	
Cu	63	45	He	77.297	ug/l	0.8	20000	
Zn	66	45	He	41.542	ug/l	2.2	20000	
As	75	45	He	4.992	ug/l	2.9	5000	
Se	78	45	H2	0.376	ug/l	15.4	3000	
Sr	88	115	He	27.370	ug/l	1.4	5000	
Mo	95	115	He	4.242	ug/l	1.0	2000	
Ag	107	115	He	0.069	ug/l	23.2	1000	
Cd	111	115	He	0.727	ug/l	8.3	5000	
Sn	118	115	He	15.078	ug/l	4.2	2000	
Sb	121	115	He	0.242	ug/l	6.0	1000	
Ba	137	159	He	46.938	ug/l	1.1	20000	
Tl	205	209	He	-0.023	ug/l	N/A	1000	
[Pb]	206	209	He	52.843	ug/l	0.3		
[Pb]	207	209	He	50.778	ug/l	0.2		
Pb	208	209	He	52.008	ug/l	0.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8928025.21	0.5	94.8	60	125	
Sc (ISICPMS)	45	No Gas	8142482.31	1.2	116.8	60	125	
Sc (ISICPMS)	45	H2	3098925.40	0.6	116.8	60	125	
Sc (ISICPMS)	45	He	119607.00	0.5	111.4	60	125	
Ge (IS)	74	H2	499550.14	0.3	98.8	60	125	
Ge (IS)	74	He	55849.02	0.3	100.5	60	125	
Kr	83	He	133.47	18.9	4000.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	121810.71	1.3	97.6	60	125	
Tb (IS)	159	He	765055.34	1.4	103.5	60	125	
Bi (IS)	209	He	646620.02	1.6	98.6	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 263_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 23:03:09

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	99.181	ug/l	0.7	100	90	110	
B	11	6	No Gas	249.609	ug/l	1.0	250	225	275	
Na	23	45	He	26102.109	ug/l	0.3	25000	22500	27500	
Mg	24	45	He	25885.214	ug/l	0.2	25000	22500	27500	
Al	27	45	He	25264.193	ug/l	0.5	25000	22500	27500	
K	39	45	He	26000.249	ug/l	0.7	25000	22500	27500	
Ca	40	45	H2	25584.820	ug/l	2.2	25000	22500	27500	
Ti	47	45	No Gas	100.005	ug/l	1.5	100	90	110	
V	51	45	He	100.614	ug/l	1.2	100	90	110	
Cr	52	45	He	102.592	ug/l	1.6	100	90	110	
Mn	55	45	He	103.818	ug/l	2.1	100	90	110	
Fe	56	45	H2	26036.745	ug/l	2.0	25000	22500	27500	
Co	59	45	He	103.518	ug/l	1.9	100	90	110	
Ni	60	45	He	102.310	ug/l	1.5	100	90	110	
Cu	63	45	He	103.484	ug/l	1.3	100	90	110	
Zn	66	45	He	261.149	ug/l	1.7	250	225	275	
As	75	45	He	101.937	ug/l	1.1	100	90	110	
Se	78	45	H2	105.173	ug/l	1.3	100	90	110	
Sr	88	115	He	99.508	ug/l	1.2	100	90	110	
Mo	95	115	He	101.014	ug/l	1.4	100	90	110	
Ag	107	115	He	51.069	ug/l	1.4	50	45	55	
Cd	111	115	He	103.050	ug/l	0.7	100	90	110	
Sn	118	115	He	104.634	ug/l	0.1	100	90	110	
Sb	121	115	He	103.657	ug/l	1.0	100	90	110	
Ba	137	159	He	101.034	ug/l	0.9	100	90	110	
Tl	205	209	He	102.355	ug/l	1.4	100	90	110	
[Pb]	206	209	He	102.742	ug/l	1.6				
[Pb]	207	209	He	102.073	ug/l	1.1				
Pb	208	209	He	102.557	ug/l	1.2	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	8905544.24	0.8	94.6	60	125	
Sc (ISICPMS)	45	No Gas	6721556.91	0.9	96.4	60	125	
Sc (ISICPMS)	45	H2	2532675.95	0.5	95.4	60	125	
Sc (ISICPMS)	45	He	99511.23	0.8	92.7	60	125	
Ge (IS)	74	H2	488581.59	0.6	96.6	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	54210.20	0.2	97.6	60	125	
Kr	83	He	10.01	173.2	300.0			
In-1	115	He	120921.70	0.9	96.8	60	125	
Tb (IS)	159	He	744241.19	1.0	100.7	60	125	
Bi (IS)	209	He	648694.87	0.6	98.9	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 264_Blk.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 23:05:39

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.012	ug/l	54.6	0.8	-0.8	0.8	
B	11	6	No Gas	3.605	ug/l	4.4	40	-40	40	
Na	23	45	He	105.968	ug/l	1.2	500	-500	500	
Mg	24	45	He	1.180	ug/l	35.1	200	-200	200	
Al	27	45	He	1.471	ug/l	112.4	40	-40	40	
K	39	45	He	-13.230	ug/l	N/A	200	-200	200	
Ca	40	45	H2	7.311	ug/l	11.1	500	-500	500	
Ti	47	45	No Gas	0.772	ug/l	7.8	4	-4	4	
V	51	45	He	-0.990	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.064	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.588	ug/l	13.7	8	-8	8	
Fe	56	45	H2	10.701	ug/l	3.3	60	-60	60	
Co	59	45	He	0.016	ug/l	86.4	4	-4	4	
Ni	60	45	He	0.107	ug/l	104.4	4	-4	4	
Cu	63	45	He	-0.026	ug/l	N/A	4	-4	4	
Zn	66	45	He	-0.064	ug/l	N/A	16	-16	16	
As	75	45	He	-0.236	ug/l	N/A	2	-2	2	
Se	78	45	H2	0.284	ug/l	32.1	2.5	-2.5	2.5	
Sr	88	115	He	0.048	ug/l	129.9	4	-4	4	
Mo	95	115	He	0.100	ug/l	39.6	4	-4	4	
Ag	107	115	He	0.001	ug/l	200.0	2	-2	2	
Cd	111	115	He	0.011	ug/l	173.2	2	-2	2	
Sn	118	115	He	0.104	ug/l	196.9	16	-16	16	
Sb	121	115	He	0.003	ug/l	377.2	2	-2	2	
Ba	137	159	He	0.187	ug/l	66.5	4	-4	4	
Tl	205	209	He	-0.033	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.044	ug/l	31.0				
[Pb]	207	209	He	0.026	ug/l	81.2				
Pb	208	209	He	0.052	ug/l	27.7	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	8856778.48	0.9	94.1	60	125	
Sc (ISICPMS)	45	No Gas	6717858.37	1.1	96.4	60	125	
Sc (ISICPMS)	45	H2	2514991.96	0.7	94.8	60	125	
Sc (ISICPMS)	45	He	98664.36	0.9	91.9	60	125	
Ge (IS)	74	H2	476039.87	0.6	94.2	60	125	
Ge (IS)	74	He	52816.98	1.4	95.0	60	125	
Kr	83	He	10.01	100.0	300.0			
In-1	115	He	120737.02	0.9	96.7	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	737268.38	0.8	99.7	60	125	
Bi (IS)	209	He	662974.83	1.9	101.1	60	125	

DRAFT

Sample Report

File Name 265SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 23:08:08

Sample Name **460-307156-A-1-A**

Comment ---

Dilution **1.0000**

Vial # 3107

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	4.883	ug/l	1.6	2000	
B	11	6	No Gas	60.477	ug/l	1.3	2000	
Na	23	45	He	2562.284	ug/l	1.4	500000	
Mg	24	45	He	2712.782	ug/l	0.3	500000	
Al	27	45	He	46238.304	ug/l	0.7	500000	
K	39	45	He	3721.057	ug/l	0.5	500000	
Ca	40	45	H2	72995.299	ug/l	2.3	1000000	
Ti	47	45	No Gas	818.186	ug/l	8.4	10000	
V	51	45	He	333.579	ug/l	0.4	5000	
Cr	52	45	He	197.434	ug/l	0.6	20000	
Mn	55	45	He	8312.600	ug/l	0.3	20000	
Fe	56	45	H2	OR	ug/l	OR	500000	
Co	59	45	He	175.239	ug/l	1.0	2000	
Ni	60	45	He	279.795	ug/l	0.8	20000	
Cu	63	45	He	970.509	ug/l	0.7	20000	
Zn	66	45	He	15410.072	ug/l	0.3	20000	
As	75	45	He	173.052	ug/l	3.0	5000	
Se	78	45	H2	11.444	ug/l	5.1	3000	
Sr	88	115	He	838.800	ug/l	2.7	5000	
Mo	95	115	He	80.625	ug/l	1.9	2000	
Ag	107	115	He	2.906	ug/l	2.3	1000	
Cd	111	115	He	41.811	ug/l	2.8	5000	
Sn	118	115	He	18726.809	ug/l	1.2	2000	>LDR 6020B□>LDR 200.8
Sb	121	115	He	66.727	ug/l	2.4	1000	
Ba	137	159	He	1969.184	ug/l	1.1	20000	
Tl	205	209	He	0.675	ug/l	3.5	1000	
[Pb]	206	209	He	3897.799	ug/l	1.0		
[Pb]	207	209	He	3719.911	ug/l	0.6		
Pb	208	209	He	3782.388	ug/l	1.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8879819.31	0.2	94.3	60	125	
Sc (ISICPMS)	45	No Gas	6870175.66	0.3	98.6	60	125	
Sc (ISICPMS)	45	H2	2607061.07	1.5	98.3	60	125	
Sc (ISICPMS)	45	He	102276.39	0.8	95.2	60	125	
Ge (IS)	74	H2	503451.07	1.2	99.6	60	125	
Ge (IS)	74	He	56091.19	0.9	100.9	60	125	
Kr	83	He	40.04	75.0	1200.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	102082.30	2.0	81.8	60	125	
Tb (IS)	159	He	740613.46	1.3	100.2	60	125	
Bi (IS)	209	He	671784.83	0.9	102.4	60	125	

DRAFT

Sample Report

File Name 266SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 23:10:40

Sample Name **460-307156-A-1-A@5**

Comment ---

Dilution **1.0000**

Vial # 3108

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.978	ug/l	3.7	2000	
B	11	6	No Gas	14.093	ug/l	1.1	2000	
Na	23	45	He	591.990	ug/l	2.0	500000	
Mg	24	45	He	555.348	ug/l	0.6	500000	
Al	27	45	He	9486.032	ug/l	0.9	500000	
K	39	45	He	731.766	ug/l	0.9	500000	
Ca	40	45	H2	14679.645	ug/l	1.6	1000000	
Ti	47	45	No Gas	153.162	ug/l	2.0	10000	
V	51	45	He	65.640	ug/l	1.0	5000	
Cr	52	45	He	40.583	ug/l	0.6	20000	
Mn	55	45	He	1727.897	ug/l	0.6	20000	
Fe	56	45	H2	363910.606	ug/l	1.9	500000	
Co	59	45	He	36.650	ug/l	0.5	2000	
Ni	60	45	He	58.862	ug/l	1.2	20000	
Cu	63	45	He	208.443	ug/l	0.7	20000	
Zn	66	45	He	3287.291	ug/l	0.4	20000	
As	75	45	He	34.797	ug/l	1.6	5000	
Se	78	45	H2	2.479	ug/l	9.4	3000	
Sr	88	115	He	143.813	ug/l	1.7	5000	
Mo	95	115	He	14.009	ug/l	4.0	2000	
Ag	107	115	He	0.494	ug/l	6.1	1000	
Cd	111	115	He	7.192	ug/l	2.7	5000	
Sn	118	115	He	3297.433	ug/l	2.6	2000	>LDR 6020B□>LDR 200.8
Sb	121	115	He	11.975	ug/l	3.4	1000	
Ba	137	159	He	394.562	ug/l	0.8	20000	
Tl	205	209	He	0.095	ug/l	3.0	1000	
[Pb]	206	209	He	818.017	ug/l	0.9		
[Pb]	207	209	He	781.551	ug/l	0.3		
Pb	208	209	He	795.086	ug/l	0.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8780753.62	0.9	93.3	60	125	
Sc (ISICPMS)	45	No Gas	6595313.65	1.1	94.6	60	125	
Sc (ISICPMS)	45	H2	2521456.61	0.6	95.0	60	125	
Sc (ISICPMS)	45	He	98007.89	0.4	91.3	60	125	
Ge (IS)	74	H2	491316.38	0.4	97.2	60	125	
Ge (IS)	74	He	54048.37	0.7	97.3	60	125	
Kr	83	He	10.01	100.0	300.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	116290.37	1.7	93.1	60	125	
Tb (IS)	159	He	734725.17	1.2	99.4	60	125	
Bi (IS)	209	He	649529.59	0.9	99.0	60	125	

DRAFT

Sample Report

File Name 267SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 23:13:10

Sample Name **460-307156-A-2-A**

Comment ---

Dilution **1.0000**

Vial # 3109

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	3.376	ug/l	1.3	2000	
B	11	6	No Gas	325.071	ug/l	1.4	2000	
Na	23	45	He	3164.313	ug/l	0.9	500000	
Mg	24	45	He	26878.316	ug/l	2.3	500000	
Al	27	45	He	62646.224	ug/l	0.8	500000	
K	39	45	He	5604.267	ug/l	1.4	500000	
Ca	40	45	H2	50190.755	ug/l	2.6	1000000	
Ti	47	45	No Gas	2313.852	ug/l	1.5	10000	
V	51	45	He	320.402	ug/l	1.2	5000	
Cr	52	45	He	198.236	ug/l	0.9	20000	
Mn	55	45	He	2956.913	ug/l	1.1	20000	
Fe	56	45	H2	424095.183	ug/l	2.5	500000	
Co	59	45	He	84.998	ug/l	0.3	2000	
Ni	60	45	He	199.674	ug/l	1.4	20000	
Cu	63	45	He	1515.846	ug/l	0.9	20000	
Zn	66	45	He	3147.454	ug/l	0.4	20000	
As	75	45	He	88.308	ug/l	1.7	5000	
Se	78	45	H2	7.397	ug/l	9.9	3000	
Sr	88	115	He	220.932	ug/l	1.1	5000	
Mo	95	115	He	29.609	ug/l	4.8	2000	
Ag	107	115	He	5.618	ug/l	1.3	1000	
Cd	111	115	He	19.780	ug/l	4.3	5000	
Sn	118	115	He	2398.619	ug/l	1.2	2000	>LDR 6020B□>LDR 200.8
Sb	121	115	He	16.092	ug/l	2.3	1000	
Ba	137	159	He	1158.851	ug/l	0.9	20000	
Tl	205	209	He	0.770	ug/l	1.0	1000	
[Pb]	206	209	He	4124.327	ug/l	0.6		
[Pb]	207	209	He	4014.724	ug/l	0.6		
Pb	208	209	He	4052.721	ug/l	0.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8821278.48	0.6	93.7	60	125	
Sc (ISICPMS)	45	No Gas	6736728.37	0.7	96.7	60	125	
Sc (ISICPMS)	45	H2	2600144.82	1.0	98.0	60	125	
Sc (ISICPMS)	45	He	99873.53	0.4	93.0	60	125	
Ge (IS)	74	H2	490576.41	0.4	97.0	60	125	
Ge (IS)	74	He	54425.40	0.7	97.9	60	125	
Kr	83	He	20.02	50.0	600.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	115464.73	1.2	92.5	60	125	
Tb (IS)	159	He	741896.07	1.2	100.4	60	125	
Bi (IS)	209	He	649653.37	0.7	99.0	60	125	

DRAFT

Sample Report

File Name 268SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 23:15:41

Sample Name **460-307156-A-3-A**

Comment ---

Dilution **1.0000**

Vial # 3110

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	2.859	ug/l	5.1	2000	
B	11	6	No Gas	28.899	ug/l	2.2	2000	
Na	23	45	He	1001.538	ug/l	1.1	500000	
Mg	24	45	He	3413.859	ug/l	1.2	500000	
Al	27	45	He	24758.973	ug/l	0.6	500000	
K	39	45	He	2843.849	ug/l	0.6	500000	
Ca	40	45	H2	7829.589	ug/l	0.7	1000000	
Ti	47	45	No Gas	664.730	ug/l	1.9	10000	
V	51	45	He	124.004	ug/l	1.2	5000	
Cr	52	45	He	51.982	ug/l	1.0	20000	
Mn	55	45	He	942.653	ug/l	0.6	20000	
Fe	56	45	H2	83819.747	ug/l	0.7	500000	
Co	59	45	He	41.571	ug/l	1.3	2000	
Ni	60	45	He	118.414	ug/l	0.8	20000	
Cu	63	45	He	554.478	ug/l	1.4	20000	
Zn	66	45	He	1678.546	ug/l	1.9	20000	
As	75	45	He	35.824	ug/l	2.1	5000	
Se	78	45	H2	1.801	ug/l	10.3	3000	
Sr	88	115	He	135.268	ug/l	1.7	5000	
Mo	95	115	He	10.438	ug/l	4.4	2000	
Ag	107	115	He	2.093	ug/l	3.3	1000	
Cd	111	115	He	3.362	ug/l	9.4	5000	
Sn	118	115	He	998.780	ug/l	0.9	2000	
Sb	121	115	He	3.029	ug/l	5.2	1000	
Ba	137	159	He	824.862	ug/l	0.5	20000	
Tl	205	209	He	0.496	ug/l	9.9	1000	
[Pb]	206	209	He	607.247	ug/l	0.4		
[Pb]	207	209	He	603.437	ug/l	0.4		
Pb	208	209	He	601.348	ug/l	0.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8491956.47	0.4	90.2	60	125	
Sc (ISICPMS)	45	No Gas	6441159.21	0.5	92.4	60	125	
Sc (ISICPMS)	45	H2	2494255.48	0.9	94.0	60	125	
Sc (ISICPMS)	45	He	97124.99	0.9	90.5	60	125	
Ge (IS)	74	H2	480822.76	0.3	95.1	60	125	
Ge (IS)	74	He	53486.13	1.3	96.3	60	125	
Kr	83	He	23.36	49.5	700.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	115863.37	1.0	92.8	60	125	
Tb (IS)	159	He	730834.28	0.9	98.9	60	125	
Bi (IS)	209	He	640858.57	0.8	97.7	60	125	

DRAFT

Sample Report

File Name 269SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 23:18:11

Sample Name **460-307156-A-4-A**

Comment ---

Dilution **1.0000**

Vial # 3111

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	1.873	ug/l	2.1	2000	
B	11	6	No Gas	201.206	ug/l	1.9	2000	
Na	23	45	He	4878.205	ug/l	1.2	500000	
Mg	24	45	He	42605.559	ug/l	1.9	500000	
Al	27	45	He	50212.709	ug/l	0.6	500000	
K	39	45	He	7719.153	ug/l	2.2	500000	
Ca	40	45	H2	1318342.476	ug/l	1.4	1000000	>LDR 6020B□>LDR 200.8
Ti	47	45	No Gas	3119.258	ug/l	2.5	10000	
V	51	45	He	235.429	ug/l	2.0	5000	
Cr	52	45	He	115.460	ug/l	0.5	20000	
Mn	55	45	He	1762.064	ug/l	1.3	20000	
Fe	56	45	H2	119867.106	ug/l	1.8	500000	
Co	59	45	He	58.523	ug/l	1.8	2000	
Ni	60	45	He	93.243	ug/l	2.3	20000	
Cu	63	45	He	338.334	ug/l	2.1	20000	
Zn	66	45	He	585.313	ug/l	0.6	20000	
As	75	45	He	31.072	ug/l	5.9	5000	
Se	78	45	H2	1.506	ug/l	5.1	3000	
Sr	88	115	He	1038.602	ug/l	0.9	5000	
Mo	95	115	He	8.087	ug/l	1.7	2000	
Ag	107	115	He	1.688	ug/l	4.7	1000	
Cd	111	115	He	4.160	ug/l	5.0	5000	
Sn	118	115	He	130.645	ug/l	2.8	2000	
Sb	121	115	He	2.114	ug/l	2.7	1000	
Ba	137	159	He	431.380	ug/l	0.5	20000	
Tl	205	209	He	0.481	ug/l	2.1	1000	
[Pb]	206	209	He	637.167	ug/l	1.5		
[Pb]	207	209	He	621.255	ug/l	0.3		
Pb	208	209	He	621.213	ug/l	0.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8240618.35	1.2	87.5	60	125	
Sc (ISICPMS)	45	No Gas	6338579.91	1.8	90.9	60	125	
Sc (ISICPMS)	45	H2	2516491.54	1.2	94.8	60	125	
Sc (ISICPMS)	45	He	93747.58	1.3	87.3	60	125	
Ge (IS)	74	H2	453860.86	1.0	89.8	60	125	
Ge (IS)	74	He	50045.27	1.0	90.1	60	125	
Kr	83	He	46.71	68.9	1400.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	110475.32	1.0	88.5	60	125	
Tb (IS)	159	He	693710.60	1.6	93.8	60	125	
Bi (IS)	209	He	580702.47	1.5	88.5	60	125	

DRAFT

Sample Report

File Name 270SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 23:20:43

Sample Name **460-307156-A-5-A**

Comment ---

Dilution **1.0000**

Vial # 3112

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	7.375	ug/l	2.3	2000	
B	11	6	No Gas	42.400	ug/l	1.7	2000	
Na	23	45	He	2831.387	ug/l	1.0	500000	
Mg	24	45	He	3305.591	ug/l	1.0	500000	
Al	27	45	He	56791.409	ug/l	0.6	500000	
K	39	45	He	4450.687	ug/l	1.3	500000	
Ca	40	45	H2	30662.793	ug/l	1.8	1000000	
Ti	47	45	No Gas	836.989	ug/l	2.8	10000	
V	51	45	He	246.267	ug/l	0.5	5000	
Cr	52	45	He	100.057	ug/l	0.3	20000	
Mn	55	45	He	1376.014	ug/l	1.0	20000	
Fe	56	45	H2	107566.607	ug/l	1.4	500000	
Co	59	45	He	59.441	ug/l	0.8	2000	
Ni	60	45	He	143.736	ug/l	0.5	20000	
Cu	63	45	He	492.499	ug/l	0.7	20000	
Zn	66	45	He	1386.532	ug/l	0.8	20000	
As	75	45	He	66.546	ug/l	1.4	5000	
Se	78	45	H2	10.701	ug/l	5.7	3000	
Sr	88	115	He	613.342	ug/l	0.4	5000	
Mo	95	115	He	20.903	ug/l	2.4	2000	
Ag	107	115	He	1.925	ug/l	2.8	1000	
Cd	111	115	He	5.337	ug/l	2.3	5000	
Sn	118	115	He	510.702	ug/l	0.9	2000	
Sb	121	115	He	4.427	ug/l	6.5	1000	
Ba	137	159	He	1491.759	ug/l	1.2	20000	
Tl	205	209	He	1.030	ug/l	3.3	1000	
[Pb]	206	209	He	8583.948	ug/l	0.9		
[Pb]	207	209	He	8329.851	ug/l	1.1		
Pb	208	209	He	8441.131	ug/l	0.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8566406.47	1.6	91.0	60	125	
Sc (ISICPMS)	45	No Gas	6600932.19	0.3	94.7	60	125	
Sc (ISICPMS)	45	H2	2539666.49	0.4	95.7	60	125	
Sc (ISICPMS)	45	He	98575.80	0.6	91.8	60	125	
Ge (IS)	74	H2	477928.25	0.6	94.5	60	125	
Ge (IS)	74	He	52662.06	1.1	94.8	60	125	
Kr	83	He	26.69	78.1	800.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	113966.82	0.3	91.3	60	125	
Tb (IS)	159	He	721295.37	1.4	97.6	60	125	
Bi (IS)	209	He	646208.37	1.1	98.5	60	125	

DRAFT

Sample Report

File Name 271SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 23:23:12

Sample Name **460-307156-A-6-A**

Comment ---

Dilution **1.0000**

Vial # 2203

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	2.295	ug/l	3.4	2000	
B	11	6	No Gas	983.979	ug/l	0.4	2000	
Na	23	45	He	5025.657	ug/l	1.5	500000	
Mg	24	45	He	101759.965	ug/l	0.7	500000	
Al	27	45	He	101142.588	ug/l	0.5	500000	
K	39	45	He	14433.709	ug/l	0.7	500000	
Ca	40	45	H2	58033.054	ug/l	0.7	1000000	
Ti	47	45	No Gas	5913.820	ug/l	0.8	10000	
V	51	45	He	705.116	ug/l	0.5	5000	
Cr	52	45	He	280.954	ug/l	0.3	20000	
Mn	55	45	He	1889.603	ug/l	0.4	20000	
Fe	56	45	H2	279449.032	ug/l	1.3	500000	
Co	59	45	He	171.669	ug/l	0.7	2000	
Ni	60	45	He	250.516	ug/l	1.0	20000	
Cu	63	45	He	990.840	ug/l	0.5	20000	
Zn	66	45	He	932.522	ug/l	0.4	20000	
As	75	45	He	19.223	ug/l	4.6	5000	
Se	78	45	H2	3.080	ug/l	13.0	3000	
Sr	88	115	He	238.241	ug/l	0.2	5000	
Mo	95	115	He	4.552	ug/l	3.6	2000	
Ag	107	115	He	1.245	ug/l	1.5	1000	
Cd	111	115	He	2.753	ug/l	13.2	5000	
Sn	118	115	He	71.285	ug/l	1.3	2000	
Sb	121	115	He	0.922	ug/l	13.3	1000	
Ba	137	159	He	652.717	ug/l	0.8	20000	
Tl	205	209	He	0.489	ug/l	1.7	1000	
[Pb]	206	209	He	509.352	ug/l	1.0		
[Pb]	207	209	He	487.942	ug/l	0.7		
Pb	208	209	He	495.112	ug/l	0.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8614615.70	0.6	91.5	60	125	
Sc (ISICPMS)	45	No Gas	6927973.72	0.2	99.4	60	125	
Sc (ISICPMS)	45	H2	2652272.93	0.5	100.0	60	125	
Sc (ISICPMS)	45	He	104642.62	1.2	97.5	60	125	
Ge (IS)	74	H2	476092.84	1.1	94.2	60	125	
Ge (IS)	74	He	54989.06	1.6	99.0	60	125	
Kr	83	He	53.39	47.2	1600.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	117806.51	1.7	94.4	60	125	
Tb (IS)	159	He	744669.05	1.4	100.7	60	125	
Bi (IS)	209	He	626521.20	1.5	95.5	60	125	

DRAFT

Sample Report

File Name 272SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 23:25:43

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.003	ug/l	91.2	2000	
B	11	6	No Gas	11.764	ug/l	2.7	2000	
Na	23	45	He	85.020	ug/l	6.7	500000	
Mg	24	45	He	2.044	ug/l	14.4	500000	
Al	27	45	He	3.316	ug/l	107.9	500000	
K	39	45	He	-22.968	ug/l	N/A	500000	
Ca	40	45	H2	5.840	ug/l	8.0	1000000	
Ti	47	45	No Gas	1.162	ug/l	25.3	10000	
V	51	45	He	-1.122	ug/l	N/A	5000	
Cr	52	45	He	-0.516	ug/l	N/A	20000	
Mn	55	45	He	0.664	ug/l	11.1	20000	
Fe	56	45	H2	15.903	ug/l	7.4	500000	
Co	59	45	He	0.010	ug/l	19.3	2000	
Ni	60	45	He	-0.084	ug/l	N/A	20000	
Cu	63	45	He	0.142	ug/l	19.3	20000	
Zn	66	45	He	0.132	ug/l	119.0	20000	
As	75	45	He	-0.334	ug/l	N/A	5000	
Se	78	45	H2	-0.033	ug/l	N/A	3000	
Sr	88	115	He	0.057	ug/l	118.8	5000	
Mo	95	115	He	0.022	ug/l	67.8	2000	
Ag	107	115	He	-0.004	ug/l	N/A	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	0.340	ug/l	14.9	2000	
Sb	121	115	He	-0.021	ug/l	N/A	1000	
Ba	137	159	He	0.188	ug/l	67.2	20000	
Tl	205	209	He	-0.048	ug/l	N/A	1000	
[Pb]	206	209	He	0.187	ug/l	15.3		
[Pb]	207	209	He	0.158	ug/l	36.5		
Pb	208	209	He	0.187	ug/l	4.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8845418.48	0.7	94.0	60	125	
Sc (ISICPMS)	45	No Gas	6704460.46	0.5	96.2	60	125	
Sc (ISICPMS)	45	H2	2492084.01	0.7	93.9	60	125	
Sc (ISICPMS)	45	He	98387.52	1.3	91.6	60	125	
Ge (IS)	74	H2	469024.54	1.1	92.8	60	125	
Ge (IS)	74	He	52318.21	1.3	94.1	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	120649.55	0.2	96.6	60	125	
Tb (IS)	159	He	734287.28	1.4	99.3	60	125	
Bi (IS)	209	He	655405.63	0.5	99.9	60	125	

DRAFT

Sample Report

File Name 273SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 23:28:12

Sample Name **460-307156-A-7-A**

Comment ---

Dilution **1.0000**

Vial # 2204

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	3.836	ug/l	1.7	2000	
B	11	6	No Gas	100.451	ug/l	0.9	2000	
Na	23	45	He	2735.581	ug/l	1.0	500000	
Mg	24	45	He	15129.018	ug/l	0.5	500000	
Al	27	45	He	55888.029	ug/l	0.5	500000	
K	39	45	He	7541.844	ug/l	1.1	500000	
Ca	40	45	H2	43648.755	ug/l	0.6	1000000	
Ti	47	45	No Gas	1743.874	ug/l	1.2	10000	
V	51	45	He	221.712	ug/l	1.0	5000	
Cr	52	45	He	116.814	ug/l	0.6	20000	
Mn	55	45	He	5286.911	ug/l	0.7	20000	
Fe	56	45	H2	184652.242	ug/l	0.7	500000	
Co	59	45	He	58.088	ug/l	1.7	2000	
Ni	60	45	He	158.912	ug/l	0.8	20000	
Cu	63	45	He	2668.831	ug/l	0.3	20000	
Zn	66	45	He	10776.830	ug/l	0.4	20000	
As	75	45	He	47.416	ug/l	6.1	5000	
Se	78	45	H2	6.169	ug/l	8.7	3000	
Sr	88	115	He	308.327	ug/l	2.5	5000	
Mo	95	115	He	18.014	ug/l	1.4	2000	
Ag	107	115	He	12.980	ug/l	3.6	1000	
Cd	111	115	He	3.627	ug/l	5.3	5000	
Sn	118	115	He	1797.074	ug/l	1.7	2000	
Sb	121	115	He	11.137	ug/l	0.8	1000	
Ba	137	159	He	828.204	ug/l	1.4	20000	
Tl	205	209	He	1.086	ug/l	3.0	1000	
[Pb]	206	209	He	2797.932	ug/l	1.3		
[Pb]	207	209	He	2725.965	ug/l	1.7		
Pb	208	209	He	2744.856	ug/l	1.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8756514.17	0.1	93.0	60	125	
Sc (ISICPMS)	45	No Gas	6820991.70	0.9	97.9	60	125	
Sc (ISICPMS)	45	H2	2629555.08	0.6	99.1	60	125	
Sc (ISICPMS)	45	He	101310.54	0.1	94.3	60	125	
Ge (IS)	74	H2	493569.06	0.1	97.6	60	125	
Ge (IS)	74	He	54679.61	0.7	98.4	60	125	
Kr	83	He	53.39	71.0	1600.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	116413.09	1.3	93.2	60	125	
Tb (IS)	159	He	743093.04	0.7	100.5	60	125	
Bi (IS)	209	He	651198.26	1.8	99.3	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 274_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 23:30:42

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	99.804	ug/l	0.8	100	90	110	
B	11	6	No Gas	253.282	ug/l	1.4	250	225	275	
Na	23	45	He	25791.031	ug/l	0.7	25000	22500	27500	
Mg	24	45	He	25487.760	ug/l	0.1	25000	22500	27500	
Al	27	45	He	24796.985	ug/l	1.3	25000	22500	27500	
K	39	45	He	25431.865	ug/l	0.8	25000	22500	27500	
Ca	40	45	H2	25091.949	ug/l	1.5	25000	22500	27500	
Ti	47	45	No Gas	100.567	ug/l	3.0	100	90	110	
V	51	45	He	99.869	ug/l	0.1	100	90	110	
Cr	52	45	He	101.439	ug/l	1.0	100	90	110	
Mn	55	45	He	102.626	ug/l	0.8	100	90	110	
Fe	56	45	H2	25691.613	ug/l	2.1	25000	22500	27500	
Co	59	45	He	102.936	ug/l	1.2	100	90	110	
Ni	60	45	He	102.143	ug/l	1.6	100	90	110	
Cu	63	45	He	102.051	ug/l	1.7	100	90	110	
Zn	66	45	He	255.389	ug/l	1.9	250	225	275	
As	75	45	He	101.184	ug/l	3.5	100	90	110	
Se	78	45	H2	103.270	ug/l	2.6	100	90	110	
Sr	88	115	He	99.289	ug/l	0.2	100	90	110	
Mo	95	115	He	102.495	ug/l	2.0	100	90	110	
Ag	107	115	He	51.646	ug/l	0.5	50	45	55	
Cd	111	115	He	104.665	ug/l	1.4	100	90	110	
Sn	118	115	He	104.281	ug/l	2.0	100	90	110	
Sb	121	115	He	102.693	ug/l	1.1	100	90	110	
Ba	137	159	He	101.338	ug/l	1.7	100	90	110	
Tl	205	209	He	102.057	ug/l	1.1	100	90	110	
[Pb]	206	209	He	103.144	ug/l	1.6				
[Pb]	207	209	He	102.518	ug/l	0.4				
Pb	208	209	He	102.675	ug/l	1.1	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	8814005.35	0.3	93.6	60	125	
Sc (ISICPMS)	45	No Gas	6668248.37	1.5	95.7	60	125	
Sc (ISICPMS)	45	H2	2512953.04	0.8	94.7	60	125	
Sc (ISICPMS)	45	He	98794.78	0.4	92.0	60	125	
Ge (IS)	74	H2	481460.36	0.7	95.2	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	52909.78	0.9	95.2	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	118434.08	0.4	94.9	60	125	
Tb (IS)	159	He	725876.82	1.9	98.2	60	125	
Bi (IS)	209	He	636736.75	1.4	97.1	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 275_Blk.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 23:33:11

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.010	ug/l	46.7	0.8	-0.8	0.8	
B	11	6	No Gas	5.014	ug/l	1.3	40	-40	40	
Na	23	45	He	104.585	ug/l	3.7	500	-500	500	
Mg	24	45	He	1.751	ug/l	33.0	200	-200	200	
Al	27	45	He	0.402	ug/l	407.1	40	-40	40	
K	39	45	He	-11.811	ug/l	N/A	200	-200	200	
Ca	40	45	H2	8.532	ug/l	4.1	500	-500	500	
Ti	47	45	No Gas	1.592	ug/l	51.7	4	-4	4	
V	51	45	He	-1.064	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.150	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.628	ug/l	16.4	8	-8	8	
Fe	56	45	H2	10.097	ug/l	1.8	60	-60	60	
Co	59	45	He	0.039	ug/l	51.2	4	-4	4	
Ni	60	45	He	0.027	ug/l	543.6	4	-4	4	
Cu	63	45	He	0.063	ug/l	106.1	4	-4	4	
Zn	66	45	He	0.015	ug/l	1398.7	16	-16	16	
As	75	45	He	-0.265	ug/l	N/A	2	-2	2	
Se	78	45	H2	0.232	ug/l	70.6	2.5	-2.5	2.5	
Sr	88	115	He	0.044	ug/l	77.5	4	-4	4	
Mo	95	115	He	0.116	ug/l	27.0	4	-4	4	
Ag	107	115	He	0.004	ug/l	26.7	2	-2	2	
Cd	111	115	He	0.017	ug/l	100.3	2	-2	2	
Sn	118	115	He	0.283	ug/l	108.3	16	-16	16	
Sb	121	115	He	0.007	ug/l	239.0	2	-2	2	
Ba	137	159	He	0.245	ug/l	42.2	4	-4	4	
Tl	205	209	He	-0.026	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.119	ug/l	18.5				
[Pb]	207	209	He	0.102	ug/l	16.8				
Pb	208	209	He	0.127	ug/l	3.7	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	8652547.23	0.3	91.9	60	125	
Sc (ISICPMS)	45	No Gas	6655983.58	0.3	95.5	60	125	
Sc (ISICPMS)	45	H2	2481302.98	0.5	93.5	60	125	
Sc (ISICPMS)	45	He	97384.57	0.2	90.7	60	125	
Ge (IS)	74	H2	467257.91	0.8	92.4	60	125	
Ge (IS)	74	He	51911.23	1.8	93.4	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	119643.20	0.3	95.8	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	731864.04	1.0	99.0	60	125	
Bi (IS)	209	He	651954.59	1.4	99.4	60	125	

DRAFT

Interference Check Standard-A (ICSA)

File Name 276ICSA.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 23:35:42

Sample Name **ICSA 11862589**

Comment ---

Dilution 1.0000

Full Quant Table 4508

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.040	ug/l	9.0	0.8	-1.6	1.6	
B	11	6	No Gas	4.271	ug/l	1.6	80	-160	160	
Na	23	45	He	102901.667	ug/l	0.5	100000	80000	120000	
Mg	24	45	He	100933.009	ug/l	1.6	100000	80000	120000	
Al	27	45	He	98073.945	ug/l	0.6	100000	80000	120000	
K	39	45	He	100029.247	ug/l	1.1	100000	80000	120000	
Ca	40	45	H2	101640.726	ug/l	0.4	100000	80000	120000	
Ti	47	45	No Gas	2192.561	ug/l	1.8	2000	1600	2400	
V	51	45	He	-0.957	ug/l	N/A	4	-8	8	
Cr	52	45	He	0.727	ug/l	28.0	4	-8	8	
Mn	55	45	He	1.501	ug/l	9.6	8	-16	16	
Fe	56	45	H2	101427.105	ug/l	1.7	100000	80000	120000	
Co	59	45	He	0.361	ug/l	9.2	4	-8	8	
Ni	60	45	He	0.758	ug/l	21.5	4	-8	8	
Cu	63	45	He	1.173	ug/l	4.4	4	-8	8	
Zn	66	45	He	8.380	ug/l	5.8	16	-32	32	
As	75	45	He	-0.215	ug/l	N/A	2	-4	4	
Se	78	45	H2	0.098	ug/l	55.8	2.5	-5	5	
Sr	88	115	He	0.824	ug/l	22.6	4	-8	8	
Mo	95	115	He	2071.398	ug/l	1.0	2000	-4000	4000	
Ag	107	115	He	0.038	ug/l	36.0	2	-4	4	
Cd	111	115	He	0.539	ug/l	5.9	2	-4	4	
Sn	118	115	He	0.415	ug/l	23.5	16	-32	32	
Sb	121	115	He	0.157	ug/l	59.1	2	-4	4	
Ba	137	159	He	1.150	ug/l	11.5	4	-8	8	
Tl	205	209	He	-0.029	ug/l	N/A	0.8	-1.6	1.6	
[Pb]	206	209	He	0.626	ug/l	3.0				
[Pb]	207	209	He	0.616	ug/l	1.6				
Pb	208	209	He	0.626	ug/l	3.6	1.2	-2.4	2.4	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	8500540.36	1.3	90.3	60	125	
Sc (ISICPMS)	45	No Gas	6547010.94	1.2	93.9	60	125	
Sc (ISICPMS)	45	H2	2508256.70	1.1	94.5	60	125	
Sc (ISICPMS)	45	He	97056.35	0.6	90.4	60	125	
Ge (IS)	74	H2	489640.80	0.7	96.9	60	125	
Ge (IS)	74	He	53128.09	0.6	95.6	60	125	

DRAFT

Interference Check Standard-A (ICSA)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	114157.16	1.1	91.4	60	125	
Tb (IS)	159	He	713226.64	0.5	96.5	60	125	
Bi (IS)	209	He	604908.57	0.3	92.2	60	125	

DRAFT

Interference Check Standard-AB (ICSAB)

File Name 277ICSB.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 23:38:13

Sample Name **ICSAB 11862591**

Comment ---

Dilution 1.0000

Full Quant Table 4509

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	198.849	ug/l	2.0	200	-400	400	
B	11	6	No Gas	4.339	ug/l	2.9				
Na	23	45	He	106036.058	ug/l	1.2	100000	80000	120000	
Mg	24	45	He	103822.887	ug/l	2.0	100000	80000	120000	
Al	27	45	He	100999.720	ug/l	1.1	100000	80000	120000	
K	39	45	He	104002.702	ug/l	1.6	100000	80000	120000	
Ca	40	45	H2	103946.405	ug/l	3.6	100000	80000	120000	
Ti	47	45	No Gas	2204.226	ug/l	1.2	2000	1600	2400	
V	51	45	He	204.549	ug/l	1.4	200	160	240	
Cr	52	45	He	204.833	ug/l	1.0	200	160	240	
Mn	55	45	He	200.711	ug/l	1.5	200	160	240	
Fe	56	45	H2	105672.514	ug/l	3.6	100000	80000	120000	
Co	59	45	He	203.927	ug/l	1.0	200	160	240	
Ni	60	45	He	204.090	ug/l	0.3	200	160	240	
Cu	63	45	He	202.957	ug/l	0.8	200	160	240	
Zn	66	45	He	210.256	ug/l	1.0	200	160	240	
As	75	45	He	206.704	ug/l	2.4	200	160	240	
Se	78	45	H2	205.556	ug/l	3.4	200	160	240	
Sr	88	115	He	203.078	ug/l	1.1	200	-400	400	
Mo	95	115	He	2105.010	ug/l	1.4	2000	1600	2400	
Ag	107	115	He	202.460	ug/l	0.4	200	160	240	
Cd	111	115	He	208.594	ug/l	1.6	200	160	240	
Sn	118	115	He	208.069	ug/l	2.0	200	-400	400	
Sb	121	115	He	104.099	ug/l	1.3	100	-200	200	
Ba	137	159	He	205.639	ug/l	1.4	200	-400	400	
Tl	205	209	He	104.346	ug/l	1.3	100	-200	200	
[Pb]	206	209	He	208.599	ug/l	1.4				
[Pb]	207	209	He	205.118	ug/l	1.0				
Pb	208	209	He	207.478	ug/l	1.0	200	-400	400	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	8707366.40	0.8	92.5	60	125	
Sc (ISICPMS)	45	No Gas	6632752.06	0.7	95.2	60	125	
Sc (ISICPMS)	45	H2	2493396.18	1.5	94.0	60	125	
Sc (ISICPMS)	45	He	97335.63	1.0	90.6	60	125	
Ge (IS)	74	H2	487882.86	1.9	96.5	60	125	
Ge (IS)	74	He	54159.89	1.4	97.5	60	125	

DRAFT

Interference Check Standard-AB (ICSAB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	115651.69	1.4	92.6	60	125	
Tb (IS)	159	He	727760.40	1.0	98.4	60	125	
Bi (IS)	209	He	616884.58	0.8	94.0	60	125	

DRAFT

Sample Report

File Name 278SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 23:40:45

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.031	ug/l	18.4	2000	
B	11	6	No Gas	1.846	ug/l	6.8	2000	
Na	23	45	He	106.528	ug/l	8.6	500000	
Mg	24	45	He	14.871	ug/l	9.0	500000	
Al	27	45	He	11.874	ug/l	3.8	500000	
K	39	45	He	-5.865	ug/l	N/A	500000	
Ca	40	45	H2	13.988	ug/l	3.8	1000000	
Ti	47	45	No Gas	1.232	ug/l	26.6	10000	
V	51	45	He	-1.014	ug/l	N/A	5000	
Cr	52	45	He	-0.363	ug/l	N/A	20000	
Mn	55	45	He	0.558	ug/l	22.4	20000	
Fe	56	45	H2	19.553	ug/l	2.2	500000	
Co	59	45	He	0.021	ug/l	51.6	2000	
Ni	60	45	He	-0.198	ug/l	N/A	20000	
Cu	63	45	He	0.105	ug/l	31.8	20000	
Zn	66	45	He	-0.234	ug/l	N/A	20000	
As	75	45	He	-0.253	ug/l	N/A	5000	
Se	78	45	H2	0.191	ug/l	37.2	3000	
Sr	88	115	He	0.043	ug/l	56.0	5000	
Mo	95	115	He	1.845	ug/l	8.4	2000	
Ag	107	115	He	0.015	ug/l	22.7	1000	
Cd	111	115	He	0.011	ug/l	86.6	5000	
Sn	118	115	He	0.088	ug/l	203.8	2000	
Sb	121	115	He	-0.018	ug/l	N/A	1000	
Ba	137	159	He	0.131	ug/l	52.2	20000	
Tl	205	209	He	-0.026	ug/l	N/A	1000	
[Pb]	206	209	He	0.103	ug/l	14.9		
[Pb]	207	209	He	0.070	ug/l	45.5		
Pb	208	209	He	0.101	ug/l	5.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8845293.34	0.3	94.0	60	125	
Sc (ISICPMS)	45	No Gas	6766784.06	0.1	97.1	60	125	
Sc (ISICPMS)	45	H2	2509405.38	0.7	94.6	60	125	
Sc (ISICPMS)	45	He	99380.18	1.5	92.6	60	125	
Ge (IS)	74	H2	472826.03	1.2	93.5	60	125	
Ge (IS)	74	He	52927.48	1.0	95.2	60	125	
Kr	83	He	0.00	N/A	0.0			

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Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	120710.18	1.0	96.7	60	125	
Tb (IS)	159	He	737671.73	1.3	99.8	60	125	
Bi (IS)	209	He	658350.36	1.0	100.4	60	125	

DRAFT

Sample Report

File Name 279SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 23:43:15

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.008	ug/l	51.1	2000	
B	11	6	No Gas	1.612	ug/l	2.9	2000	
Na	23	45	He	95.475	ug/l	7.7	500000	
Mg	24	45	He	2.585	ug/l	31.7	500000	
Al	27	45	He	0.093	ug/l	840.4	500000	
K	39	45	He	-18.056	ug/l	N/A	500000	
Ca	40	45	H2	3.211	ug/l	25.5	1000000	
Ti	47	45	No Gas	0.202	ug/l	104.0	10000	
V	51	45	He	-1.049	ug/l	N/A	5000	
Cr	52	45	He	-0.453	ug/l	N/A	20000	
Mn	55	45	He	0.459	ug/l	14.3	20000	
Fe	56	45	H2	5.392	ug/l	3.5	500000	
Co	59	45	He	0.012	ug/l	82.4	2000	
Ni	60	45	He	-0.073	ug/l	N/A	20000	
Cu	63	45	He	0.044	ug/l	92.4	20000	
Zn	66	45	He	0.571	ug/l	103.4	20000	
As	75	45	He	-0.320	ug/l	N/A	5000	
Se	78	45	H2	0.087	ug/l	99.5	3000	
Sr	88	115	He	0.058	ug/l	65.6	5000	
Mo	95	115	He	0.642	ug/l	9.6	2000	
Ag	107	115	He	-0.001	ug/l	N/A	1000	
Cd	111	115	He	0.006	ug/l	173.2	5000	
Sn	118	115	He	0.096	ug/l	104.6	2000	
Sb	121	115	He	-0.031	ug/l	N/A	1000	
Ba	137	159	He	0.150	ug/l	10.7	20000	
Tl	205	209	He	-0.044	ug/l	N/A	1000	
[Pb]	206	209	He	0.066	ug/l	26.5		
[Pb]	207	209	He	0.067	ug/l	36.8		
Pb	208	209	He	0.068	ug/l	9.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8760486.39	1.1	93.1	60	125	
Sc (ISICPMS)	45	No Gas	6761310.80	0.2	97.0	60	125	
Sc (ISICPMS)	45	H2	2545167.62	1.4	95.9	60	125	
Sc (ISICPMS)	45	He	99431.37	1.5	92.6	60	125	
Ge (IS)	74	H2	476760.21	1.7	94.3	60	125	
Ge (IS)	74	He	52694.14	0.4	94.8	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	120139.89	0.7	96.2	60	125	
Tb (IS)	159	He	736058.70	0.7	99.6	60	125	
Bi (IS)	209	He	658179.47	0.6	100.3	60	125	

DRAFT

Sample Report

File Name 280SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 23:45:45

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.006	ug/l	39.3	2000	
B	11	6	No Gas	1.342	ug/l	13.7	2000	
Na	23	45	He	90.938	ug/l	5.7	500000	
Mg	24	45	He	1.131	ug/l	19.9	500000	
Al	27	45	He	1.042	ug/l	156.4	500000	
K	39	45	He	-17.557	ug/l	N/A	500000	
Ca	40	45	H2	3.089	ug/l	8.9	1000000	
Ti	47	45	No Gas	0.324	ug/l	25.6	10000	
V	51	45	He	-1.057	ug/l	N/A	5000	
Cr	52	45	He	-0.347	ug/l	N/A	20000	
Mn	55	45	He	0.600	ug/l	22.7	20000	
Fe	56	45	H2	4.998	ug/l	8.3	500000	
Co	59	45	He	0.006	ug/l	62.5	2000	
Ni	60	45	He	-0.203	ug/l	N/A	20000	
Cu	63	45	He	0.047	ug/l	50.8	20000	
Zn	66	45	He	-0.041	ug/l	N/A	20000	
As	75	45	He	-0.367	ug/l	N/A	5000	
Se	78	45	H2	0.050	ug/l	83.7	3000	
Sr	88	115	He	0.032	ug/l	108.8	5000	
Mo	95	115	He	0.351	ug/l	11.4	2000	
Ag	107	115	He	0.001	ug/l	377.7	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	0.175	ug/l	56.9	2000	
Sb	121	115	He	-0.007	ug/l	N/A	1000	
Ba	137	159	He	0.220	ug/l	18.8	20000	
Tl	205	209	He	-0.048	ug/l	N/A	1000	
[Pb]	206	209	He	0.053	ug/l	7.8		
[Pb]	207	209	He	0.037	ug/l	44.3		
Pb	208	209	He	0.063	ug/l	10.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8869082.85	0.9	94.2	60	125	
Sc (ISICPMS)	45	No Gas	6799879.41	1.8	97.6	60	125	
Sc (ISICPMS)	45	H2	2523700.24	1.5	95.1	60	125	
Sc (ISICPMS)	45	He	98980.25	0.9	92.2	60	125	
Ge (IS)	74	H2	472603.78	2.2	93.5	60	125	
Ge (IS)	74	He	53067.95	0.8	95.5	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	120738.03	1.7	96.7	60	125	
Tb (IS)	159	He	725571.30	0.8	98.1	60	125	
Bi (IS)	209	He	650331.62	1.3	99.1	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 281_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 23:48:14

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	101.622	ug/l	2.1	100	90	110	
B	11	6	No Gas	254.436	ug/l	1.8	250	225	275	
Na	23	45	He	25753.077	ug/l	0.9	25000	22500	27500	
Mg	24	45	He	25191.762	ug/l	0.6	25000	22500	27500	
Al	27	45	He	24697.969	ug/l	0.8	25000	22500	27500	
K	39	45	He	25301.884	ug/l	0.9	25000	22500	27500	
Ca	40	45	H2	25201.756	ug/l	1.6	25000	22500	27500	
Ti	47	45	No Gas	100.450	ug/l	3.2	100	90	110	
V	51	45	He	98.962	ug/l	1.1	100	90	110	
Cr	52	45	He	100.297	ug/l	0.2	100	90	110	
Mn	55	45	He	100.320	ug/l	2.0	100	90	110	
Fe	56	45	H2	25639.446	ug/l	1.2	25000	22500	27500	
Co	59	45	He	101.338	ug/l	0.5	100	90	110	
Ni	60	45	He	100.084	ug/l	1.8	100	90	110	
Cu	63	45	He	100.780	ug/l	0.3	100	90	110	
Zn	66	45	He	255.774	ug/l	1.9	250	225	275	
As	75	45	He	97.770	ug/l	2.5	100	90	110	
Se	78	45	H2	103.054	ug/l	3.0	100	90	110	
Sr	88	115	He	98.627	ug/l	1.1	100	90	110	
Mo	95	115	He	101.775	ug/l	1.8	100	90	110	
Ag	107	115	He	50.995	ug/l	2.5	50	45	55	
Cd	111	115	He	103.259	ug/l	1.4	100	90	110	
Sn	118	115	He	103.539	ug/l	0.6	100	90	110	
Sb	121	115	He	102.685	ug/l	2.4	100	90	110	
Ba	137	159	He	101.043	ug/l	1.1	100	90	110	
Tl	205	209	He	100.826	ug/l	1.1	100	90	110	
[Pb]	206	209	He	102.073	ug/l	1.0				
[Pb]	207	209	He	102.164	ug/l	1.4				
Pb	208	209	He	102.397	ug/l	0.5	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	8789096.26	0.7	93.4	60	125	
Sc (ISICPMS)	45	No Gas	6771169.55	1.1	97.2	60	125	
Sc (ISICPMS)	45	H2	2544066.35	0.7	95.9	60	125	
Sc (ISICPMS)	45	He	99387.14	0.9	92.6	60	125	
Ge (IS)	74	H2	482580.60	0.2	95.5	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	53331.16	0.9	96.0	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	118148.54	1.0	94.6	60	125	
Tb (IS)	159	He	729806.06	1.0	98.7	60	125	
Bi (IS)	209	He	634359.32	0.2	96.7	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 282_Blk.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-09 23:50:44

Sample Name **CCB**

Comment ---

Dilution 1.0000

Analyte Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.015	ug/l	22.8	0.8	-0.8	0.8	
B	11	6	No Gas	3.297	ug/l	4.3	40	-40	40	
Na	23	45	He	111.842	ug/l	2.4	500	-500	500	
Mg	24	45	He	2.814	ug/l	12.9	200	-200	200	
Al	27	45	He	2.898	ug/l	128.5	40	-40	40	
K	39	45	He	-1.955	ug/l	N/A	200	-200	200	
Ca	40	45	H2	9.159	ug/l	6.5	500	-500	500	
Ti	47	45	No Gas	0.821	ug/l	10.8	4	-4	4	
V	51	45	He	-0.975	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.074	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.483	ug/l	26.5	8	-8	8	
Fe	56	45	H2	8.084	ug/l	1.1	60	-60	60	
Co	59	45	He	0.023	ug/l	53.1	4	-4	4	
Ni	60	45	He	0.023	ug/l	82.1	4	-4	4	
Cu	63	45	He	-0.008	ug/l	N/A	4	-4	4	
Zn	66	45	He	0.120	ug/l	73.8	16	-16	16	
As	75	45	He	-0.218	ug/l	N/A	2	-2	2	
Se	78	45	H2	0.204	ug/l	42.2	2.5	-2.5	2.5	
Sr	88	115	He	0.075	ug/l	53.3	4	-4	4	
Mo	95	115	He	0.317	ug/l	8.8	4	-4	4	
Ag	107	115	He	0.001	ug/l	312.6	2	-2	2	
Cd	111	115	He	0.011	ug/l	86.6	2	-2	2	
Sn	118	115	He	0.331	ug/l	91.8	16	-16	16	
Sb	121	115	He	0.023	ug/l	157.5	2	-2	2	
Ba	137	159	He	0.174	ug/l	73.5	4	-4	4	
Tl	205	209	He	-0.027	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.080	ug/l	23.8				
[Pb]	207	209	He	0.064	ug/l	63.2				
Pb	208	209	He	0.078	ug/l	23.6	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	8817863.20	0.4	93.7	60	125	
Sc (ISICPMS)	45	No Gas	6621762.12	0.4	95.0	60	125	
Sc (ISICPMS)	45	H2	2485791.54	1.3	93.7	60	125	
Sc (ISICPMS)	45	He	98242.42	1.2	91.5	60	125	
Ge (IS)	74	H2	471070.31	1.1	93.2	60	125	
Ge (IS)	74	He	52611.74	1.5	94.7	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	119069.87	1.2	95.4	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	725197.62	1.1	98.1	60	125	
Bi (IS)	209	He	648044.70	1.0	98.8	60	125	

DRAFT

Sample Report

File Name 283SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 00:06:47

Sample Name **MB 460-984195/1-A**

Comment ---

Dilution **1.0000**

Vial # 3201

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.007	ug/l	17.9	2000	
B	11	6	No Gas	10.282	ug/l	1.4	2000	
Na	23	45	He	83.996	ug/l	3.5	500000	
Mg	24	45	He	8.928	ug/l	11.5	500000	
Al	27	45	He	248.467	ug/l	3.7	500000	
K	39	45	He	-5.981	ug/l	N/A	500000	
Ca	40	45	H2	530.178	ug/l	2.7	1000000	
Ti	47	45	No Gas	-1.104	ug/l	N/A	10000	
V	51	45	He	-1.102	ug/l	N/A	5000	
Cr	52	45	He	-0.789	ug/l	N/A	20000	
Mn	55	45	He	0.894	ug/l	9.5	20000	
Fe	56	45	H2	6.526	ug/l	9.5	500000	
Co	59	45	He	0.000	ug/l	2008.5	2000	
Ni	60	45	He	-0.006	ug/l	N/A	20000	
Cu	63	45	He	0.934	ug/l	1.3	20000	
Zn	66	45	He	2.499	ug/l	15.7	20000	
As	75	45	He	-0.320	ug/l	N/A	5000	
Se	78	45	H2	-0.016	ug/l	N/A	3000	
Sr	88	115	He	1.166	ug/l	26.4	5000	
Mo	95	115	He	0.050	ug/l	44.6	2000	
Ag	107	115	He	0.037	ug/l	19.8	1000	
Cd	111	115	He	0.006	ug/l	173.2	5000	
Sn	118	115	He	-0.061	ug/l	N/A	2000	
Sb	121	115	He	-0.023	ug/l	N/A	1000	
Ba	137	159	He	0.197	ug/l	25.3	20000	
Tl	205	209	He	-0.049	ug/l	N/A	1000	
[Pb]	206	209	He	0.140	ug/l	20.3		
[Pb]	207	209	He	0.107	ug/l	10.3		
Pb	208	209	He	0.124	ug/l	2.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9101329.38	1.0	96.7	60	125	
Sc (ISICPMS)	45	No Gas	6901146.98	0.4	99.0	60	125	
Sc (ISICPMS)	45	H2	2573933.48	0.6	97.0	60	125	
Sc (ISICPMS)	45	He	100335.77	0.7	93.4	60	125	
Ge (IS)	74	H2	474380.08	0.4	93.8	60	125	
Ge (IS)	74	He	52187.75	0.3	93.9	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	120262.76	0.5	96.3	60	125	
Tb (IS)	159	He	736875.67	0.6	99.7	60	125	
Bi (IS)	209	He	656480.72	0.5	100.1	60	125	

DRAFT

Sample Report

File Name 284SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 00:09:17

Sample Name **LCS 460-984195/2-A**

Comment ---

Dilution **1.0000**

Vial # 3202

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	24.584	ug/l	1.9	2000	
B	11	6	No Gas	489.673	ug/l	1.9	2000	
Na	23	45	He	2701.659	ug/l	1.0	500000	
Mg	24	45	He	2632.727	ug/l	0.5	500000	
Al	27	45	He	2659.617	ug/l	0.6	500000	
K	39	45	He	2602.545	ug/l	1.1	500000	
Ca	40	45	H2	2939.899	ug/l	2.3	1000000	
Ti	47	45	No Gas	47.081	ug/l	3.3	10000	
V	51	45	He	49.183	ug/l	0.7	5000	
Cr	52	45	He	49.703	ug/l	0.2	20000	
Mn	55	45	He	253.740	ug/l	0.5	20000	
Fe	56	45	H2	2606.176	ug/l	2.3	500000	
Co	59	45	He	25.856	ug/l	2.2	2000	
Ni	60	45	He	52.133	ug/l	1.3	20000	
Cu	63	45	He	54.541	ug/l	1.7	20000	
Zn	66	45	He	253.421	ug/l	0.5	20000	
As	75	45	He	49.702	ug/l	4.3	5000	
Se	78	45	H2	49.399	ug/l	1.7	3000	
Sr	88	115	He	48.719	ug/l	2.6	5000	
Mo	95	115	He	46.319	ug/l	1.1	2000	
Ag	107	115	He	25.672	ug/l	1.6	1000	
Cd	111	115	He	25.198	ug/l	0.9	5000	
Sn	118	115	He	48.093	ug/l	2.0	2000	
Sb	121	115	He	22.767	ug/l	1.8	1000	
Ba	137	159	He	50.663	ug/l	2.4	20000	
Tl	205	209	He	19.918	ug/l	1.0	1000	
[Pb]	206	209	He	25.555	ug/l	0.5		
[Pb]	207	209	He	25.062	ug/l	1.3		
Pb	208	209	He	25.300	ug/l	1.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8951130.49	1.0	95.1	60	125	
Sc (ISICPMS)	45	No Gas	6859916.56	1.1	98.4	60	125	
Sc (ISICPMS)	45	H2	2551346.49	0.9	96.2	60	125	
Sc (ISICPMS)	45	He	99433.30	0.5	92.6	60	125	
Ge (IS)	74	H2	472637.45	0.9	93.5	60	125	
Ge (IS)	74	He	53179.41	1.7	95.7	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	120426.29	0.9	96.4	60	125	
Tb (IS)	159	He	728144.83	0.6	98.5	60	125	
Bi (IS)	209	He	652185.68	0.4	99.4	60	125	

DRAFT

Sample Report

File Name 285SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 00:11:48

Sample Name **PDS 460-307164-I-1-A**

Comment ---

Dilution **1.0000**

Vial # 3203

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	24.713	ug/l	1.7	2000	
B	11	6	No Gas	3150.547	ug/l	1.0	2000	>LDR 6020B□>LDR 200.8
Na	23	45	He	6481605.386	ug/l	1.5	500000	>LDR 6020B□>LDR 200.8
Mg	24	45	He	764497.175	ug/l	3.3	500000	>LDR 6020B□>LDR 200.8
Al	27	45	He	2656.283	ug/l	0.5	500000	
K	39	45	He	253794.714	ug/l	2.7	500000	
Ca	40	45	H2	272399.721	ug/l	1.1	1000000	
Ti	47	45	No Gas	54.418	ug/l	3.9	10000	
V	51	45	He	51.342	ug/l	2.3	5000	
Cr	52	45	He	47.819	ug/l	2.5	20000	
Mn	55	45	He	320.920	ug/l	1.3	20000	
Fe	56	45	H2	2658.582	ug/l	1.7	500000	
Co	59	45	He	23.212	ug/l	2.3	2000	
Ni	60	45	He	45.319	ug/l	2.6	20000	
Cu	63	45	He	47.195	ug/l	2.3	20000	
Zn	66	45	He	240.707	ug/l	0.5	20000	
As	75	45	He	52.176	ug/l	4.0	5000	
Se	78	45	H2	50.212	ug/l	2.3	3000	
Sr	88	115	He	4906.028	ug/l	0.9	5000	>LDR 200.8
Mo	95	115	He	58.314	ug/l	4.2	2000	
Ag	107	115	He	22.757	ug/l	0.9	1000	
Cd	111	115	He	25.425	ug/l	3.6	5000	
Sn	118	115	He	50.889	ug/l	3.1	2000	
Sb	121	115	He	18.788	ug/l	4.0	1000	
Ba	137	159	He	74.526	ug/l	3.1	20000	
Tl	205	209	He	20.627	ug/l	1.6	1000	
[Pb]	206	209	He	28.248	ug/l	3.4		
[Pb]	207	209	He	27.453	ug/l	0.8		
Pb	208	209	He	27.639	ug/l	2.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8262556.89	0.8	87.8	60	125	
Sc (ISICPMS)	45	No Gas	6104162.96	0.7	87.6	60	125	
Sc (ISICPMS)	45	H2	2394024.69	0.6	90.2	60	125	
Sc (ISICPMS)	45	He	103016.96	2.3	95.9	60	125	
Ge (IS)	74	H2	438808.66	0.7	86.8	60	125	
Ge (IS)	74	He	54423.99	1.4	97.9	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	114525.32	2.0	91.7	60	125	
Tb (IS)	159	He	683920.72	2.0	92.5	60	125	
Bi (IS)	209	He	543478.18	1.0	82.8	60	125	

DRAFT

Sample Report

File Name 286SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 00:14:19

Sample Name **460-307164-I-1-C MS**

Comment ---

Dilution **1.0000**

Vial # 3204

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	23.416	ug/l	1.8	2000	
B	11	6	No Gas	3149.168	ug/l	1.3	2000	>LDR 6020B□>LDR 200.8
Na	23	45	He	6341884.020	ug/l	0.5	500000	>LDR 6020B□>LDR 200.8
Mg	24	45	He	752879.086	ug/l	0.8	500000	>LDR 6020B□>LDR 200.8
Al	27	45	He	2495.615	ug/l	0.8	500000	
K	39	45	He	254971.300	ug/l	1.0	500000	
Ca	40	45	H2	270373.083	ug/l	1.4	1000000	
Ti	47	45	No Gas	51.565	ug/l	2.8	10000	
V	51	45	He	49.726	ug/l	2.7	5000	
Cr	52	45	He	44.935	ug/l	1.0	20000	
Mn	55	45	He	312.713	ug/l	1.7	20000	
Fe	56	45	H2	2501.623	ug/l	1.3	500000	
Co	59	45	He	22.108	ug/l	2.1	2000	
Ni	60	45	He	43.929	ug/l	0.7	20000	
Cu	63	45	He	44.242	ug/l	0.9	20000	
Zn	66	45	He	224.627	ug/l	1.2	20000	
As	75	45	He	51.816	ug/l	9.2	5000	
Se	78	45	H2	46.725	ug/l	1.8	3000	
Sr	88	115	He	4822.782	ug/l	0.6	5000	>LDR 200.8
Mo	95	115	He	54.082	ug/l	1.0	2000	
Ag	107	115	He	21.507	ug/l	0.6	1000	
Cd	111	115	He	22.531	ug/l	2.9	5000	
Sn	118	115	He	47.985	ug/l	2.7	2000	
Sb	121	115	He	25.341	ug/l	0.9	1000	
Ba	137	159	He	74.557	ug/l	1.4	20000	
Tl	205	209	He	19.872	ug/l	1.4	1000	
[Pb]	206	209	He	26.855	ug/l	0.8		
[Pb]	207	209	He	26.468	ug/l	1.5		
Pb	208	209	He	26.338	ug/l	1.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8583570.36	1.0	91.2	60	125	
Sc (ISICPMS)	45	No Gas	6351661.57	0.8	91.1	60	125	
Sc (ISICPMS)	45	H2	2565940.34	2.0	96.7	60	125	
Sc (ISICPMS)	45	He	112945.83	1.4	105.2	60	125	
Ge (IS)	74	H2	471775.27	1.4	93.3	60	125	
Ge (IS)	74	He	59296.68	1.5	106.7	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	126801.31	1.0	101.6	60	125	
Tb (IS)	159	He	741372.77	1.0	100.3	60	125	
Bi (IS)	209	He	580160.50	0.2	88.4	60	125	

DRAFT

Sample Report

File Name 287SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 00:16:51

Sample Name **460-307164-I-1-B DU**

Comment ---

Dilution **1.0000**

Vial # 3205

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.016	ug/l	25.9	2000	
B	11	6	No Gas	2754.111	ug/l	1.0	2000	>LDR 6020B□>LDR 200.8
Na	23	45	He	6575691.429	ug/l	0.8	500000	>LDR 6020B□>LDR 200.8
Mg	24	45	He	770727.105	ug/l	2.9	500000	>LDR 6020B□>LDR 200.8
Al	27	45	He	113.271	ug/l	7.5	500000	
K	39	45	He	257334.210	ug/l	3.3	500000	
Ca	40	45	H2	272247.754	ug/l	0.9	1000000	
Ti	47	45	No Gas	1.836	ug/l	22.0	10000	
V	51	45	He	1.532	ug/l	7.1	5000	
Cr	52	45	He	0.192	ug/l	107.6	20000	
Mn	55	45	He	77.564	ug/l	3.1	20000	
Fe	56	45	H2	181.772	ug/l	2.5	500000	
Co	59	45	He	0.202	ug/l	16.6	2000	
Ni	60	45	He	0.760	ug/l	18.0	20000	
Cu	63	45	He	2.587	ug/l	3.2	20000	
Zn	66	45	He	7.637	ug/l	9.9	20000	
As	75	45	He	1.754	ug/l	9.0	5000	
Se	78	45	H2	0.250	ug/l	38.0	3000	
Sr	88	115	He	4940.485	ug/l	1.6	5000	>LDR 200.8
Mo	95	115	He	7.220	ug/l	5.0	2000	
Ag	107	115	He	0.068	ug/l	27.2	1000	
Cd	111	115	He	0.081	ug/l	51.4	5000	
Sn	118	115	He	0.084	ug/l	143.7	2000	
Sb	121	115	He	0.358	ug/l	26.1	1000	
Ba	137	159	He	23.992	ug/l	1.5	20000	
Tl	205	209	He	-0.017	ug/l	N/A	1000	
[Pb]	206	209	He	1.299	ug/l	7.3		
[Pb]	207	209	He	1.266	ug/l	2.9		
Pb	208	209	He	1.267	ug/l	3.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9024107.44	1.6	95.9	60	125	
Sc (ISICPMS)	45	No Gas	6664917.89	0.8	95.6	60	125	
Sc (ISICPMS)	45	H2	2630962.09	0.7	99.2	60	125	
Sc (ISICPMS)	45	He	112664.21	2.2	104.9	60	125	
Ge (IS)	74	H2	484384.64	0.4	95.8	60	125	
Ge (IS)	74	He	58936.04	1.5	106.1	60	125	
Kr	83	He	6.67	86.6	200.0			

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Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	125353.03	1.5	100.4	60	125	
Tb (IS)	159	He	725253.66	1.2	98.1	60	125	
Bi (IS)	209	He	569198.65	2.2	86.8	60	125	

DRAFT

Sample Report

File Name 288SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 00:19:23

Sample Name **460-307164-I-1-A**

Comment ---

Dilution **1.0000**

Vial # 3206

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.011	ug/l	25.8	2000	
B	11	6	No Gas	2696.629	ug/l	1.3	2000	>LDR 6020B□>LDR 200.8
Na	23	45	He	6530020.109	ug/l	1.7	500000	>LDR 6020B□>LDR 200.8
Mg	24	45	He	772096.317	ug/l	3.5	500000	>LDR 6020B□>LDR 200.8
Al	27	45	He	153.590	ug/l	2.7	500000	
K	39	45	He	257100.278	ug/l	3.5	500000	
Ca	40	45	H2	269740.444	ug/l	0.9	1000000	
Ti	47	45	No Gas	1.349	ug/l	28.8	10000	
V	51	45	He	1.609	ug/l	6.8	5000	
Cr	52	45	He	0.428	ug/l	22.2	20000	
Mn	55	45	He	77.393	ug/l	1.7	20000	
Fe	56	45	H2	194.496	ug/l	1.0	500000	
Co	59	45	He	0.204	ug/l	4.6	2000	
Ni	60	45	He	1.129	ug/l	23.6	20000	
Cu	63	45	He	3.489	ug/l	8.2	20000	
Zn	66	45	He	10.774	ug/l	1.4	20000	
As	75	45	He	1.641	ug/l	19.8	5000	
Se	78	45	H2	0.165	ug/l	27.0	3000	
Sr	88	115	He	4950.890	ug/l	2.7	5000	>LDR 200.8
Mo	95	115	He	6.904	ug/l	2.5	2000	
Ag	107	115	He	0.050	ug/l	19.8	1000	
Cd	111	115	He	0.080	ug/l	35.7	5000	
Sn	118	115	He	0.172	ug/l	81.2	2000	
Sb	121	115	He	0.309	ug/l	5.7	1000	
Ba	137	159	He	23.672	ug/l	2.8	20000	
Tl	205	209	He	-0.037	ug/l	N/A	1000	
[Pb]	206	209	He	1.204	ug/l	3.2		
[Pb]	207	209	He	1.206	ug/l	8.2		
Pb	208	209	He	1.212	ug/l	2.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9367026.39	1.9	99.5	60	125	
Sc (ISICPMS)	45	No Gas	6795861.29	1.7	97.5	60	125	
Sc (ISICPMS)	45	H2	2685560.17	0.6	101.2	60	125	
Sc (ISICPMS)	45	He	114495.32	1.8	106.6	60	125	
Ge (IS)	74	H2	494143.61	0.5	97.7	60	125	
Ge (IS)	74	He	60019.93	2.5	108.0	60	125	
Kr	83	He	0.00	N/A	0.0			

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Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	127861.93	0.9	102.4	60	125	
Tb (IS)	159	He	729890.07	2.9	98.7	60	125	
Bi (IS)	209	He	571836.46	0.4	87.2	60	125	

DRAFT

Sample Report

File Name 289SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 00:21:55

Sample Name **SD 460-307164-I-1-A@5**

Comment ---

Dilution **1.0000**

Vial # 3207

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.000	ug/l	N/A	2000	
B	11	6	No Gas	557.848	ug/l	1.0	2000	
Na	23	45	He	1295514.981	ug/l	2.1	500000	>LDR 6020B□>LDR 200.8
Mg	24	45	He	153196.616	ug/l	4.5	500000	
Al	27	45	He	28.931	ug/l	7.9	500000	
K	39	45	He	49446.283	ug/l	4.9	500000	
Ca	40	45	H2	53040.703	ug/l	1.3	1000000	
Ti	47	45	No Gas	-1.017	ug/l	N/A	10000	
V	51	45	He	0.885	ug/l	22.6	5000	
Cr	52	45	He	0.197	ug/l	126.4	20000	
Mn	55	45	He	16.151	ug/l	2.5	20000	
Fe	56	45	H2	61.616	ug/l	1.9	500000	
Co	59	45	He	0.032	ug/l	54.1	2000	
Ni	60	45	He	0.012	ug/l	1069.6	20000	
Cu	63	45	He	0.799	ug/l	8.4	20000	
Zn	66	45	He	2.528	ug/l	9.9	20000	
As	75	45	He	0.523	ug/l	45.2	5000	
Se	78	45	H2	0.088	ug/l	72.4	3000	
Sr	88	115	He	973.801	ug/l	0.3	5000	
Mo	95	115	He	1.791	ug/l	9.6	2000	
Ag	107	115	He	0.015	ug/l	66.5	1000	
Cd	111	115	He	0.025	ug/l	36.3	5000	
Sn	118	115	He	0.705	ug/l	6.5	2000	
Sb	121	115	He	0.171	ug/l	11.2	1000	
Ba	137	159	He	4.532	ug/l	5.9	20000	
Tl	205	209	He	-0.046	ug/l	N/A	1000	
[Pb]	206	209	He	0.360	ug/l	7.6		
[Pb]	207	209	He	0.288	ug/l	4.6		
Pb	208	209	He	0.334	ug/l	5.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10425667.14	0.4	110.7	60	125	
Sc (ISICPMS)	45	No Gas	7130744.89	0.4	102.3	60	125	
Sc (ISICPMS)	45	H2	2809306.11	1.1	105.9	60	125	
Sc (ISICPMS)	45	He	118187.90	2.6	110.1	60	125	
Ge (IS)	74	H2	542712.56	1.2	107.4	60	125	
Ge (IS)	74	He	63109.14	2.0	113.6	60	125	
Kr	83	He	6.67	173.2	200.0			

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Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	136460.86	2.3	109.3	60	125	
Tb (IS)	159	He	813773.37	1.3	110.1	60	125	
Bi (IS)	209	He	663451.55	2.4	101.1	60	125	

DRAFT

Sample Report

File Name 290SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 00:25:07

Sample Name **500-252661-D-1-A**

Comment ---

Dilution **1.0000**

Vial # 3208

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.002	ug/l	N/A	2000	
B	11	6	No Gas	29.054	ug/l	1.2	2000	
Na	23	45	He	153300.824	ug/l	0.9	500000	
Mg	24	45	He	20702.698	ug/l	1.7	500000	
Al	27	45	He	41.781	ug/l	11.5	500000	
K	39	45	He	1203.005	ug/l	1.1	500000	
Ca	40	45	H2	67277.370	ug/l	1.5	1000000	
Ti	47	45	No Gas	-1.285	ug/l	N/A	10000	
V	51	45	He	0.414	ug/l	22.2	5000	
Cr	52	45	He	-0.751	ug/l	N/A	20000	
Mn	55	45	He	17.114	ug/l	3.8	20000	
Fe	56	45	H2	55.682	ug/l	1.3	500000	
Co	59	45	He	0.033	ug/l	58.9	2000	
Ni	60	45	He	0.089	ug/l	32.3	20000	
Cu	63	45	He	0.892	ug/l	5.9	20000	
Zn	66	45	He	2.005	ug/l	16.4	20000	
As	75	45	He	0.194	ug/l	80.0	5000	
Se	78	45	H2	0.046	ug/l	204.1	3000	
Sr	88	115	He	187.501	ug/l	0.8	5000	
Mo	95	115	He	0.293	ug/l	11.3	2000	
Ag	107	115	He	0.022	ug/l	27.6	1000	
Cd	111	115	He	0.010	ug/l	173.2	5000	
Sn	118	115	He	0.065	ug/l	592.5	2000	
Sb	121	115	He	0.035	ug/l	52.8	1000	
Ba	137	159	He	19.114	ug/l	4.2	20000	
Tl	205	209	He	-0.041	ug/l	N/A	1000	
[Pb]	206	209	He	0.172	ug/l	16.8		
[Pb]	207	209	He	0.181	ug/l	5.7		
Pb	208	209	He	0.171	ug/l	6.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10352749.29	0.6	110.0	60	125	
Sc (ISICPMS)	45	No Gas	7415725.24	0.3	106.4	60	125	
Sc (ISICPMS)	45	H2	2812946.38	0.6	106.0	60	125	
Sc (ISICPMS)	45	He	112787.50	1.0	105.0	60	125	
Ge (IS)	74	H2	548093.72	0.9	108.4	60	125	
Ge (IS)	74	He	61376.80	1.7	110.5	60	125	
Kr	83	He	10.01	NaN	300.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	138432.66	1.2	110.9	60	125	
Tb (IS)	159	He	818558.59	0.4	110.7	60	125	
Bi (IS)	209	He	694937.63	1.1	105.9	60	125	

DRAFT

Sample Report

File Name 291SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 00:28:40

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.001	ug/l	N/A	2000	
B	11	6	No Gas	13.200	ug/l	1.1	2000	
Na	23	45	He	668.298	ug/l	1.1	500000	
Mg	24	45	He	8.132	ug/l	5.3	500000	
Al	27	45	He	-0.634	ug/l	N/A	500000	
K	39	45	He	-7.894	ug/l	N/A	500000	
Ca	40	45	H2	17.548	ug/l	3.3	1000000	
Ti	47	45	No Gas	-1.422	ug/l	N/A	10000	
V	51	45	He	0.241	ug/l	21.3	5000	
Cr	52	45	He	-0.201	ug/l	N/A	20000	
Mn	55	45	He	0.556	ug/l	20.4	20000	
Fe	56	45	H2	3.067	ug/l	2.1	500000	
Co	59	45	He	-0.033	ug/l	N/A	2000	
Ni	60	45	He	-0.270	ug/l	N/A	20000	
Cu	63	45	He	0.121	ug/l	15.0	20000	
Zn	66	45	He	0.040	ug/l	864.2	20000	
As	75	45	He	-0.133	ug/l	N/A	5000	
Se	78	45	H2	-0.035	ug/l	N/A	3000	
Sr	88	115	He	0.151	ug/l	12.5	5000	
Mo	95	115	He	0.088	ug/l	25.8	2000	
Ag	107	115	He	0.000	ug/l	N/A	1000	
Cd	111	115	He	0.005	ug/l	173.2	5000	
Sn	118	115	He	0.036	ug/l	673.7	2000	
Sb	121	115	He	0.014	ug/l	174.7	1000	
Ba	137	159	He	0.197	ug/l	31.1	20000	
Tl	205	209	He	-0.049	ug/l	N/A	1000	
[Pb]	206	209	He	0.001	ug/l	1413.3		
[Pb]	207	209	He	-0.014	ug/l	N/A		
Pb	208	209	He	0.015	ug/l	48.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9617277.08	0.6	102.2	60	125	
Sc (ISICPMS)	45	No Gas	6947138.23	0.3	99.7	60	125	
Sc (ISICPMS)	45	H2	2653176.78	0.7	100.0	60	125	
Sc (ISICPMS)	45	He	106425.82	1.3	99.1	60	125	
Ge (IS)	74	H2	511836.26	0.7	101.2	60	125	
Ge (IS)	74	He	57544.78	1.6	103.6	60	125	
Kr	83	He	6.67	173.2	200.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	132768.73	1.5	106.3	60	125	
Tb (IS)	159	He	785227.27	0.3	106.2	60	125	
Bi (IS)	209	He	694769.71	1.3	105.9	60	125	

DRAFT

Sample Report

File Name 292SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 00:31:10

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.002	ug/l	N/A	2000	
B	11	6	No Gas	10.687	ug/l	1.0	2000	
Na	23	45	He	558.669	ug/l	1.7	500000	
Mg	24	45	He	5.376	ug/l	14.0	500000	
Al	27	45	He	-0.033	ug/l	N/A	500000	
K	39	45	He	-10.244	ug/l	N/A	500000	
Ca	40	45	H2	12.884	ug/l	3.1	1000000	
Ti	47	45	No Gas	-1.346	ug/l	N/A	10000	
V	51	45	He	0.095	ug/l	97.2	5000	
Cr	52	45	He	-0.211	ug/l	N/A	20000	
Mn	55	45	He	0.896	ug/l	11.0	20000	
Fe	56	45	H2	3.672	ug/l	7.0	500000	
Co	59	45	He	-0.002	ug/l	N/A	2000	
Ni	60	45	He	-0.149	ug/l	N/A	20000	
Cu	63	45	He	0.080	ug/l	66.9	20000	
Zn	66	45	He	-0.362	ug/l	N/A	20000	
As	75	45	He	-0.234	ug/l	N/A	5000	
Se	78	45	H2	-0.025	ug/l	N/A	3000	
Sr	88	115	He	0.052	ug/l	190.1	5000	
Mo	95	115	He	0.091	ug/l	56.9	2000	
Ag	107	115	He	-0.004	ug/l	N/A	1000	
Cd	111	115	He	0.011	ug/l	86.6	5000	
Sn	118	115	He	-0.073	ug/l	N/A	2000	
Sb	121	115	He	0.005	ug/l	87.6	1000	
Ba	137	159	He	0.167	ug/l	32.0	20000	
Tl	205	209	He	-0.051	ug/l	N/A	1000	
[Pb]	206	209	He	0.026	ug/l	87.8		
[Pb]	207	209	He	0.021	ug/l	206.1		
Pb	208	209	He	0.026	ug/l	46.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9459786.60	0.8	100.5	60	125	
Sc (ISICPMS)	45	No Gas	6813028.09	0.5	97.8	60	125	
Sc (ISICPMS)	45	H2	2600437.34	0.8	98.0	60	125	
Sc (ISICPMS)	45	He	104272.79	0.6	97.1	60	125	
Ge (IS)	74	H2	501935.01	0.6	99.3	60	125	
Ge (IS)	74	He	56412.22	1.0	101.5	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	128621.33	0.5	103.0	60	125	
Tb (IS)	159	He	768938.55	1.1	104.0	60	125	
Bi (IS)	209	He	674168.34	1.7	102.8	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 293_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 00:33:39

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	95.804	ug/l	0.5	100	90	110	
B	11	6	No Gas	253.036	ug/l	0.2	250	225	275	
Na	23	45	He	26118.339	ug/l	1.1	25000	22500	27500	
Mg	24	45	He	25634.522	ug/l	1.8	25000	22500	27500	
Al	27	45	He	25243.175	ug/l	1.2	25000	22500	27500	
K	39	45	He	25682.794	ug/l	1.1	25000	22500	27500	
Ca	40	45	H2	25715.973	ug/l	1.2	25000	22500	27500	
Ti	47	45	No Gas	101.069	ug/l	1.4	100	90	110	
V	51	45	He	100.226	ug/l	1.5	100	90	110	
Cr	52	45	He	100.381	ug/l	2.1	100	90	110	
Mn	55	45	He	103.671	ug/l	1.4	100	90	110	
Fe	56	45	H2	26095.649	ug/l	0.9	25000	22500	27500	
Co	59	45	He	100.713	ug/l	1.0	100	90	110	
Ni	60	45	He	99.024	ug/l	0.9	100	90	110	
Cu	63	45	He	100.026	ug/l	1.3	100	90	110	
Zn	66	45	He	254.951	ug/l	1.4	250	225	275	
As	75	45	He	102.752	ug/l	1.9	100	90	110	
Se	78	45	H2	103.609	ug/l	3.7	100	90	110	
Sr	88	115	He	98.816	ug/l	2.2	100	90	110	
Mo	95	115	He	99.747	ug/l	2.0	100	90	110	
Ag	107	115	He	50.997	ug/l	1.2	50	45	55	
Cd	111	115	He	101.911	ug/l	2.2	100	90	110	
Sn	118	115	He	104.729	ug/l	0.8	100	90	110	
Sb	121	115	He	103.340	ug/l	0.3	100	90	110	
Ba	137	159	He	101.382	ug/l	1.8	100	90	110	
Tl	205	209	He	101.160	ug/l	0.6	100	90	110	
[Pb]	206	209	He	102.464	ug/l	0.9				
[Pb]	207	209	He	102.638	ug/l	1.3				
Pb	208	209	He	102.149	ug/l	1.4	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	8937402.65	0.3	94.9	60	125	
Sc (ISICPMS)	45	No Gas	6410620.53	0.5	92.0	60	125	
Sc (ISICPMS)	45	H2	2408279.48	0.6	90.8	60	125	
Sc (ISICPMS)	45	He	99098.60	2.8	92.3	60	125	
Ge (IS)	74	H2	472849.07	0.3	93.5	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	53891.15	3.7	97.0	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	120212.91	3.4	96.3	60	125	
Tb (IS)	159	He	741792.83	3.3	100.3	60	125	
Bi (IS)	209	He	646928.27	3.4	98.6	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 294_Blk.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 00:36:09

Sample Name **CCB**

Comment ---

Dilution 1.0000

Multiquant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.012	ug/l	19.7	0.8	-0.8	0.8	
B	11	6	No Gas	10.129	ug/l	0.8	40	-40	40	
Na	23	45	He	494.308	ug/l	1.1	500	-500	500	
Mg	24	45	He	18.042	ug/l	2.7	200	-200	200	
Al	27	45	He	1.327	ug/l	66.1	40	-40	40	
K	39	45	He	-6.371	ug/l	N/A	200	-200	200	
Ca	40	45	H2	106.324	ug/l	3.1	500	-500	500	
Ti	47	45	No Gas	0.096	ug/l	219.5	4	-4	4	
V	51	45	He	-0.106	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.260	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.584	ug/l	14.5	8	-8	8	
Fe	56	45	H2	5.806	ug/l	7.2	60	-60	60	
Co	59	45	He	0.015	ug/l	92.3	4	-4	4	
Ni	60	45	He	-0.245	ug/l	N/A	4	-4	4	
Cu	63	45	He	-0.004	ug/l	N/A	4	-4	4	
Zn	66	45	He	0.159	ug/l	78.4	16	-16	16	
As	75	45	He	-0.032	ug/l	N/A	2	-2	2	
Se	78	45	H2	0.183	ug/l	26.8	2.5	-2.5	2.5	
Sr	88	115	He	0.173	ug/l	40.5	4	-4	4	
Mo	95	115	He	0.143	ug/l	18.8	4	-4	4	
Ag	107	115	He	0.005	ug/l	76.4	2	-2	2	
Cd	111	115	He	0.000	ug/l	N/A	2	-2	2	
Sn	118	115	He	0.215	ug/l	132.7	16	-16	16	
Sb	121	115	He	0.024	ug/l	222.0	2	-2	2	
Ba	137	159	He	0.153	ug/l	10.6	4	-4	4	
Tl	205	209	He	-0.031	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.062	ug/l	37.5				
[Pb]	207	209	He	0.060	ug/l	15.2				
Pb	208	209	He	0.069	ug/l	18.1	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	9074127.51	0.4	96.4	60	125	
Sc (ISICPMS)	45	No Gas	6650761.22	0.4	95.4	60	125	
Sc (ISICPMS)	45	H2	2497488.00	0.2	94.1	60	125	
Sc (ISICPMS)	45	He	100871.98	0.5	93.9	60	125	
Ge (IS)	74	H2	482485.42	0.3	95.4	60	125	
Ge (IS)	74	He	54197.68	0.6	97.5	60	125	
Kr	83	He	3.34	173.2	100.0			
In-1	115	He	124139.54	0.9	99.4	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	756172.47	0.6	102.3	60	125	
Bi (IS)	209	He	673103.56	0.6	102.6	60	125	

DRAFT

Sample Report

File Name 295SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 00:38:39

Sample Name **500-252661-D-2-A**

Comment ---

Dilution **1.0000**

Vial # 3209

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.005	ug/l	27.0	2000	
B	11	6	No Gas	17.400	ug/l	1.2	2000	
Na	23	45	He	142258.909	ug/l	0.3	500000	
Mg	24	45	He	19109.287	ug/l	1.0	500000	
Al	27	45	He	20.363	ug/l	13.5	500000	
K	39	45	He	2263.822	ug/l	1.4	500000	
Ca	40	45	H2	61544.327	ug/l	0.6	1000000	
Ti	47	45	No Gas	-0.937	ug/l	N/A	10000	
V	51	45	He	-0.407	ug/l	N/A	5000	
Cr	52	45	He	-0.782	ug/l	N/A	20000	
Mn	55	45	He	6.882	ug/l	9.5	20000	
Fe	56	45	H2	25.078	ug/l	3.5	500000	
Co	59	45	He	0.042	ug/l	53.0	2000	
Ni	60	45	He	0.251	ug/l	52.7	20000	
Cu	63	45	He	0.968	ug/l	7.2	20000	
Zn	66	45	He	3.007	ug/l	23.6	20000	
As	75	45	He	-0.090	ug/l	N/A	5000	
Se	78	45	H2	0.023	ug/l	192.4	3000	
Sr	88	115	He	170.359	ug/l	1.7	5000	
Mo	95	115	He	0.263	ug/l	18.0	2000	
Ag	107	115	He	0.107	ug/l	15.3	1000	
Cd	111	115	He	0.011	ug/l	86.6	5000	
Sn	118	115	He	-0.179	ug/l	N/A	2000	
Sb	121	115	He	0.126	ug/l	52.5	1000	
Ba	137	159	He	17.359	ug/l	4.2	20000	
Tl	205	209	He	0.005	ug/l	71.6	1000	
[Pb]	206	209	He	0.136	ug/l	22.2		
[Pb]	207	209	He	0.143	ug/l	19.7		
Pb	208	209	He	0.159	ug/l	3.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9025812.37	0.5	95.9	60	125	
Sc (ISICPMS)	45	No Gas	6687920.67	0.4	96.0	60	125	
Sc (ISICPMS)	45	H2	2527238.59	1.3	95.2	60	125	
Sc (ISICPMS)	45	He	99436.55	0.4	92.6	60	125	
Ge (IS)	74	H2	488810.49	1.3	96.7	60	125	
Ge (IS)	74	He	54112.79	1.1	97.4	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	121666.80	1.9	97.4	60	125	
Tb (IS)	159	He	741702.65	0.4	100.3	60	125	
Bi (IS)	209	He	644794.43	1.1	98.3	60	125	

DRAFT

Sample Report

File Name 296SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 00:43:06

Sample Name **500-252663-D-1-A**

Comment ---

Dilution **1.0000**

Vial # 3210

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.263	ug/l	6.0	2000	
B	11	6	No Gas	82.764	ug/l	1.1	2000	
Na	23	45	He	12567.504	ug/l	1.2	500000	
Mg	24	45	He	4835.744	ug/l	1.8	500000	
Al	27	45	He	3608.658	ug/l	3.3	500000	
K	39	45	He	4180.202	ug/l	1.1	500000	
Ca	40	45	H2	42623.423	ug/l	1.6	1000000	
Ti	47	45	No Gas	16.160	ug/l	21.7	10000	
V	51	45	He	5.327	ug/l	6.7	5000	
Cr	52	45	He	5.451	ug/l	1.9	20000	
Mn	55	45	He	195.059	ug/l	2.0	20000	
Fe	56	45	H2	8984.024	ug/l	2.6	500000	
Co	59	45	He	3.866	ug/l	3.7	2000	
Ni	60	45	He	9.338	ug/l	3.6	20000	
Cu	63	45	He	21.580	ug/l	1.9	20000	
Zn	66	45	He	234.952	ug/l	2.0	20000	
As	75	45	He	2.147	ug/l	26.5	5000	
Se	78	45	H2	0.273	ug/l	36.9	3000	
Sr	88	115	He	98.321	ug/l	3.0	5000	
Mo	95	115	He	1.629	ug/l	5.9	2000	
Ag	107	115	He	0.101	ug/l	4.7	1000	
Cd	111	115	He	0.110	ug/l	30.1	5000	
Sn	118	115	He	0.132	ug/l	113.9	2000	
Sb	121	115	He	1.185	ug/l	10.9	1000	
Ba	137	159	He	109.602	ug/l	2.9	20000	
Tl	205	209	He	-0.018	ug/l	N/A	1000	
[Pb]	206	209	He	14.913	ug/l	0.6		
[Pb]	207	209	He	14.521	ug/l	1.4		
Pb	208	209	He	14.737	ug/l	0.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9277510.21	0.4	98.5	60	125	
Sc (ISICPMS)	45	No Gas	6814551.98	1.3	97.8	60	125	
Sc (ISICPMS)	45	H2	2530417.44	1.5	95.4	60	125	
Sc (ISICPMS)	45	He	100036.13	1.2	93.2	60	125	
Ge (IS)	74	H2	493976.37	1.4	97.7	60	125	
Ge (IS)	74	He	54759.92	0.5	98.5	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	122767.91	1.1	98.3	60	125	
Tb (IS)	159	He	750320.97	1.5	101.5	60	125	
Bi (IS)	209	He	667534.15	0.7	101.8	60	125	

DRAFT

Sample Report

File Name 297SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 00:45:35

Sample Name **460-306958-D-1-A**

Comment ---

Dilution **1.0000**

Vial # 3211

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.143	ug/l	6.4	2000	
B	11	6	No Gas	3114.712	ug/l	0.6	2000	>LDR 6020B□>LDR 200.8
Na	23	45	He	7340327.096	ug/l	0.7	500000	>LDR 6020B□>LDR 200.8
Mg	24	45	He	877547.990	ug/l	1.6	500000	>LDR 6020B□>LDR 200.8
Al	27	45	He	12501.379	ug/l	0.7	500000	
K	39	45	He	287787.837	ug/l	1.9	500000	
Ca	40	45	H2	343065.583	ug/l	0.6	1000000	
Ti	47	45	No Gas	125.527	ug/l	8.5	10000	
V	51	45	He	8.852	ug/l	10.2	5000	
Cr	52	45	He	8.641	ug/l	7.1	20000	
Mn	55	45	He	287.818	ug/l	1.6	20000	
Fe	56	45	H2	5532.449	ug/l	0.8	500000	
Co	59	45	He	2.250	ug/l	3.5	2000	
Ni	60	45	He	6.318	ug/l	0.8	20000	
Cu	63	45	He	104.680	ug/l	1.6	20000	
Zn	66	45	He	272.188	ug/l	1.7	20000	
As	75	45	He	6.692	ug/l	8.8	5000	
Se	78	45	H2	0.309	ug/l	34.7	3000	
Sr	88	115	He	5574.744	ug/l	0.7	5000	>LDR 6020B□>LDR 200.8
Mo	95	115	He	5.581	ug/l	8.7	2000	
Ag	107	115	He	0.397	ug/l	10.2	1000	
Cd	111	115	He	0.438	ug/l	10.7	5000	
Sn	118	115	He	4.875	ug/l	12.6	2000	
Sb	121	115	He	1.638	ug/l	7.9	1000	
Ba	137	159	He	132.793	ug/l	1.1	20000	
Tl	205	209	He	-0.014	ug/l	N/A	1000	
[Pb]	206	209	He	54.129	ug/l	2.7		
[Pb]	207	209	He	52.634	ug/l	1.8		
Pb	208	209	He	53.243	ug/l	2.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8190534.74	0.4	87.0	60	125	
Sc (ISICPMS)	45	No Gas	6076019.56	1.2	87.2	60	125	
Sc (ISICPMS)	45	H2	2417018.44	1.1	91.1	60	125	
Sc (ISICPMS)	45	He	104302.34	1.6	97.1	60	125	
Ge (IS)	74	H2	440622.20	1.0	87.2	60	125	
Ge (IS)	74	He	54512.34	0.9	98.1	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	117375.88	1.9	94.0	60	125	
Tb (IS)	159	He	686387.48	1.7	92.8	60	125	
Bi (IS)	209	He	561597.27	2.1	85.6	60	125	

DRAFT

Sample Report

File Name 298SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 00:48:08

Sample Name **460-306958-D-1-A@5**

Comment ---

Dilution **1.0000**

Vial # 3212

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.038	ug/l	14.5	2000	
B	11	6	No Gas	659.089	ug/l	0.3	2000	
Na	23	45	He	1503374.158	ug/l	0.7	500000	>LDR 6020B□>LDR 200.8
Mg	24	45	He	182196.906	ug/l	0.5	500000	
Al	27	45	He	2505.075	ug/l	1.9	500000	
K	39	45	He	57064.693	ug/l	0.6	500000	
Ca	40	45	H2	67636.822	ug/l	0.5	1000000	
Ti	47	45	No Gas	26.303	ug/l	3.8	10000	
V	51	45	He	1.956	ug/l	11.9	5000	
Cr	52	45	He	2.089	ug/l	10.8	20000	
Mn	55	45	He	58.191	ug/l	1.7	20000	
Fe	56	45	H2	1171.443	ug/l	1.2	500000	
Co	59	45	He	0.451	ug/l	2.7	2000	
Ni	60	45	He	1.414	ug/l	10.5	20000	
Cu	63	45	He	23.576	ug/l	2.6	20000	
Zn	66	45	He	58.432	ug/l	1.8	20000	
As	75	45	He	1.453	ug/l	22.7	5000	
Se	78	45	H2	0.106	ug/l	38.0	3000	
Sr	88	115	He	1105.866	ug/l	1.0	5000	
Mo	95	115	He	1.280	ug/l	6.8	2000	
Ag	107	115	He	0.103	ug/l	10.4	1000	
Cd	111	115	He	0.088	ug/l	34.8	5000	
Sn	118	115	He	1.327	ug/l	12.4	2000	
Sb	121	115	He	0.342	ug/l	19.5	1000	
Ba	137	159	He	27.414	ug/l	6.7	20000	
Tl	205	209	He	-0.025	ug/l	N/A	1000	
[Pb]	206	209	He	10.705	ug/l	0.6		
[Pb]	207	209	He	10.973	ug/l	2.3		
Pb	208	209	He	10.714	ug/l	1.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9346200.28	0.6	99.3	60	125	
Sc (ISICPMS)	45	No Gas	6937494.06	0.7	99.5	60	125	
Sc (ISICPMS)	45	H2	2653228.50	0.2	100.0	60	125	
Sc (ISICPMS)	45	He	108955.89	1.0	101.5	60	125	
Ge (IS)	74	H2	515291.97	0.1	101.9	60	125	
Ge (IS)	74	He	59886.80	1.6	107.8	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	129610.87	2.3	103.8	60	125	
Tb (IS)	159	He	756376.76	1.6	102.3	60	125	
Bi (IS)	209	He	636648.17	1.7	97.0	60	125	

DRAFT

Sample Report

File Name 299SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 00:50:39

Sample Name **460-306958-D-2-A**

Comment ---

Dilution **1.0000**

Vial # 3301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.007	ug/l	59.6	2000	
B	11	6	No Gas	2812.660	ug/l	0.7	2000	>LDR 6020B□>LDR 200.8
Na	23	45	He	7050869.774	ug/l	0.3	500000	>LDR 6020B□>LDR 200.8
Mg	24	45	He	828501.948	ug/l	0.5	500000	>LDR 6020B□>LDR 200.8
Al	27	45	He	622.150	ug/l	2.2	500000	
K	39	45	He	270099.235	ug/l	0.4	500000	
Ca	40	45	H2	326636.018	ug/l	1.2	1000000	
Ti	47	45	No Gas	7.975	ug/l	15.6	10000	
V	51	45	He	0.452	ug/l	30.0	5000	
Cr	52	45	He	3.682	ug/l	4.8	20000	
Mn	55	45	He	194.631	ug/l	1.1	20000	
Fe	56	45	H2	358.269	ug/l	2.3	500000	
Co	59	45	He	0.239	ug/l	8.5	2000	
Ni	60	45	He	1.272	ug/l	12.2	20000	
Cu	63	45	He	11.383	ug/l	1.0	20000	
Zn	66	45	He	44.213	ug/l	3.9	20000	
As	75	45	He	6.126	ug/l	3.9	5000	
Se	78	45	H2	0.118	ug/l	24.7	3000	
Sr	88	115	He	5432.723	ug/l	0.3	5000	>LDR 6020B□>LDR 200.8
Mo	95	115	He	1.445	ug/l	7.7	2000	
Ag	107	115	He	0.050	ug/l	15.8	1000	
Cd	111	115	He	0.021	ug/l	86.6	5000	
Sn	118	115	He	0.621	ug/l	20.6	2000	
Sb	121	115	He	6.497	ug/l	1.6	1000	
Ba	137	159	He	153.189	ug/l	2.1	20000	
Tl	205	209	He	-0.044	ug/l	N/A	1000	
[Pb]	206	209	He	3.407	ug/l	3.3		
[Pb]	207	209	He	3.232	ug/l	2.4		
Pb	208	209	He	3.315	ug/l	2.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9746329.64	1.0	103.5	60	125	
Sc (ISICPMS)	45	No Gas	7043730.38	1.0	101.1	60	125	
Sc (ISICPMS)	45	H2	2742445.62	0.6	103.4	60	125	
Sc (ISICPMS)	45	He	119032.84	0.9	110.9	60	125	
Ge (IS)	74	H2	497613.00	0.3	98.4	60	125	
Ge (IS)	74	He	61127.94	1.1	110.0	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	127994.83	0.9	102.5	60	125	
Tb (IS)	159	He	730243.54	0.6	98.8	60	125	
Bi (IS)	209	He	570741.07	1.3	87.0	60	125	

DRAFT

Sample Report

File Name 300SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 00:53:11

Sample Name **460-306986-C-1-A**

Comment ---

Dilution **1.0000**

Vial # 3302

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.018	ug/l	8.1	2000	
B	11	6	No Gas	55.528	ug/l	0.7	2000	
Na	23	45	He	36686.897	ug/l	0.8	500000	
Mg	24	45	He	6920.671	ug/l	0.8	500000	
Al	27	45	He	52.188	ug/l	15.2	500000	
K	39	45	He	7094.032	ug/l	1.0	500000	
Ca	40	45	H2	31313.702	ug/l	1.2	1000000	
Ti	47	45	No Gas	3.852	ug/l	68.2	10000	
V	51	45	He	1.007	ug/l	4.5	5000	
Cr	52	45	He	1.136	ug/l	9.6	20000	
Mn	55	45	He	8.181	ug/l	3.5	20000	
Fe	56	45	H2	283.472	ug/l	1.3	500000	
Co	59	45	He	0.116	ug/l	17.6	2000	
Ni	60	45	He	2.358	ug/l	1.6	20000	
Cu	63	45	He	49.949	ug/l	0.4	20000	
Zn	66	45	He	248.865	ug/l	1.7	20000	
As	75	45	He	-0.145	ug/l	N/A	5000	
Se	78	45	H2	0.215	ug/l	17.6	3000	
Sr	88	115	He	153.780	ug/l	0.7	5000	
Mo	95	115	He	13.853	ug/l	0.5	2000	
Ag	107	115	He	0.363	ug/l	4.5	1000	
Cd	111	115	He	0.056	ug/l	25.7	5000	
Sn	118	115	He	0.329	ug/l	28.0	2000	
Sb	121	115	He	0.113	ug/l	27.7	1000	
Ba	137	159	He	53.085	ug/l	1.7	20000	
Tl	205	209	He	-0.042	ug/l	N/A	1000	
[Pb]	206	209	He	0.564	ug/l	6.7		
[Pb]	207	209	He	0.597	ug/l	1.7		
Pb	208	209	He	0.570	ug/l	3.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10686196.37	0.3	113.5	60	125	
Sc (ISICPMS)	45	No Gas	7567087.87	1.8	108.6	60	125	
Sc (ISICPMS)	45	H2	2875789.20	0.2	108.4	60	125	
Sc (ISICPMS)	45	He	119275.44	0.2	111.1	60	125	
Ge (IS)	74	H2	555865.67	0.7	110.0	60	125	
Ge (IS)	74	He	63996.88	1.2	115.2	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	145707.89	0.7	116.7	60	125	
Tb (IS)	159	He	849618.23	0.5	114.9	60	125	
Bi (IS)	209	He	741904.04	0.4	113.1	60	125	

DRAFT

Sample Report

File Name 301SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 00:55:41

Sample Name **460-307024-C-1-A**

Comment ---

Dilution **1.0000**

Vial # 3303

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.002	ug/l	N/A	2000	
B	11	6	No Gas	16.352	ug/l	1.7	2000	
Na	23	45	He	5012.004	ug/l	0.9	500000	
Mg	24	45	He	26.176	ug/l	13.3	500000	
Al	27	45	He	15.210	ug/l	13.0	500000	
K	39	45	He	3632.149	ug/l	0.8	500000	
Ca	40	45	H2	49.244	ug/l	1.6	1000000	
Ti	47	45	No Gas	-0.804	ug/l	N/A	10000	
V	51	45	He	-0.114	ug/l	N/A	5000	
Cr	52	45	He	-0.833	ug/l	N/A	20000	
Mn	55	45	He	0.592	ug/l	1.5	20000	
Fe	56	45	H2	14.359	ug/l	6.0	500000	
Co	59	45	He	-0.015	ug/l	N/A	2000	
Ni	60	45	He	0.001	ug/l	6564.3	20000	
Cu	63	45	He	10.532	ug/l	1.1	20000	
Zn	66	45	He	7.096	ug/l	5.0	20000	
As	75	45	He	-0.258	ug/l	N/A	5000	
Se	78	45	H2	-0.020	ug/l	N/A	3000	
Sr	88	115	He	0.378	ug/l	17.2	5000	
Mo	95	115	He	3.367	ug/l	2.2	2000	
Ag	107	115	He	0.034	ug/l	11.5	1000	
Cd	111	115	He	0.014	ug/l	100.0	5000	
Sn	118	115	He	0.076	ug/l	64.2	2000	
Sb	121	115	He	0.022	ug/l	63.8	1000	
Ba	137	159	He	0.483	ug/l	26.5	20000	
Tl	205	209	He	-0.048	ug/l	N/A	1000	
[Pb]	206	209	He	0.362	ug/l	5.9		
[Pb]	207	209	He	0.373	ug/l	6.9		
Pb	208	209	He	0.377	ug/l	3.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	10462441.51	0.2	111.1	60	125	
Sc (ISICPMS)	45	No Gas	7435031.76	0.1	106.7	60	125	
Sc (ISICPMS)	45	H2	2810598.78	0.6	105.9	60	125	
Sc (ISICPMS)	45	He	114085.69	1.0	106.2	60	125	
Ge (IS)	74	H2	547087.13	0.1	108.2	60	125	
Ge (IS)	74	He	62972.17	0.6	113.3	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	143425.72	0.4	114.9	60	125	
Tb (IS)	159	He	838599.16	0.9	113.4	60	125	
Bi (IS)	209	He	738507.65	1.1	112.6	60	125	

DRAFT

Sample Report

File Name 302SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 00:58:11

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.001	ug/l	N/A	2000	
B	11	6	No Gas	11.330	ug/l	2.1	2000	
Na	23	45	He	945.262	ug/l	1.5	500000	
Mg	24	45	He	6.864	ug/l	14.4	500000	
Al	27	45	He	-0.317	ug/l	N/A	500000	
K	39	45	He	-9.171	ug/l	N/A	500000	
Ca	40	45	H2	21.228	ug/l	2.1	1000000	
Ti	47	45	No Gas	-1.149	ug/l	N/A	10000	
V	51	45	He	-0.008	ug/l	N/A	5000	
Cr	52	45	He	-0.374	ug/l	N/A	20000	
Mn	55	45	He	0.456	ug/l	21.8	20000	
Fe	56	45	H2	2.749	ug/l	11.8	500000	
Co	59	45	He	-0.016	ug/l	N/A	2000	
Ni	60	45	He	-0.267	ug/l	N/A	20000	
Cu	63	45	He	0.083	ug/l	76.0	20000	
Zn	66	45	He	-0.108	ug/l	N/A	20000	
As	75	45	He	-0.178	ug/l	N/A	5000	
Se	78	45	H2	0.007	ug/l	643.1	3000	
Sr	88	115	He	0.179	ug/l	19.2	5000	
Mo	95	115	He	0.116	ug/l	28.7	2000	
Ag	107	115	He	-0.002	ug/l	N/A	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	0.022	ug/l	346.0	2000	
Sb	121	115	He	-0.029	ug/l	N/A	1000	
Ba	137	159	He	0.120	ug/l	94.9	20000	
Tl	205	209	He	-0.050	ug/l	N/A	1000	
[Pb]	206	209	He	0.043	ug/l	86.5		
[Pb]	207	209	He	0.013	ug/l	58.3		
Pb	208	209	He	0.034	ug/l	32.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9995687.07	1.2	106.2	60	125	
Sc (ISICPMS)	45	No Gas	7107455.24	0.9	102.0	60	125	
Sc (ISICPMS)	45	H2	2732975.51	1.2	103.0	60	125	
Sc (ISICPMS)	45	He	111512.14	0.1	103.8	60	125	
Ge (IS)	74	H2	522340.59	0.9	103.3	60	125	
Ge (IS)	74	He	58855.92	1.0	105.9	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	136545.12	0.3	109.4	60	125	
Tb (IS)	159	He	816077.56	1.5	110.4	60	125	
Bi (IS)	209	He	715778.68	1.2	109.1	60	125	

DRAFT

Sample Report

File Name 303SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 01:00:41

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.003	ug/l	N/A	2000	
B	11	6	No Gas	9.234	ug/l	0.9	2000	
Na	23	45	He	874.406	ug/l	1.8	500000	
Mg	24	45	He	6.353	ug/l	2.3	500000	
Al	27	45	He	-0.219	ug/l	N/A	500000	
K	39	45	He	-7.664	ug/l	N/A	500000	
Ca	40	45	H2	21.120	ug/l	1.1	1000000	
Ti	47	45	No Gas	-1.218	ug/l	N/A	10000	
V	51	45	He	-0.132	ug/l	N/A	5000	
Cr	52	45	He	-0.238	ug/l	N/A	20000	
Mn	55	45	He	0.665	ug/l	23.5	20000	
Fe	56	45	H2	2.923	ug/l	8.4	500000	
Co	59	45	He	-0.013	ug/l	N/A	2000	
Ni	60	45	He	-0.257	ug/l	N/A	20000	
Cu	63	45	He	0.060	ug/l	47.7	20000	
Zn	66	45	He	-0.148	ug/l	N/A	20000	
As	75	45	He	-0.096	ug/l	N/A	5000	
Se	78	45	H2	-0.009	ug/l	N/A	3000	
Sr	88	115	He	0.156	ug/l	35.3	5000	
Mo	95	115	He	0.084	ug/l	34.3	2000	
Ag	107	115	He	0.001	ug/l	239.9	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	0.077	ug/l	142.3	2000	
Sb	121	115	He	-0.021	ug/l	N/A	1000	
Ba	137	159	He	0.097	ug/l	25.9	20000	
Tl	205	209	He	-0.048	ug/l	N/A	1000	
[Pb]	206	209	He	0.049	ug/l	53.2		
[Pb]	207	209	He	0.009	ug/l	119.4		
Pb	208	209	He	0.037	ug/l	16.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9775194.51	0.2	103.8	60	125	
Sc (ISICPMS)	45	No Gas	7119606.49	0.3	102.2	60	125	
Sc (ISICPMS)	45	H2	2674197.78	0.2	100.8	60	125	
Sc (ISICPMS)	45	He	109157.97	0.9	101.7	60	125	
Ge (IS)	74	H2	513543.03	0.4	101.6	60	125	
Ge (IS)	74	He	58333.69	0.9	105.0	60	125	
Kr	83	He	6.67	86.6	200.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	134308.71	2.1	107.6	60	125	
Tb (IS)	159	He	801888.81	0.6	108.5	60	125	
Bi (IS)	209	He	706670.80	1.0	107.7	60	125	

DRAFT

Sample Report

File Name 304SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 01:03:11

Sample Name **460-307004-D-1-A**

Comment ---

Dilution **1.0000**

Vial # 3304

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.004	ug/l	98.2	2000	
B	11	6	No Gas	103.861	ug/l	1.8	2000	
Na	23	45	He	131652.038	ug/l	0.9	500000	
Mg	24	45	He	4021.134	ug/l	1.1	500000	
Al	27	45	He	58.824	ug/l	9.7	500000	
K	39	45	He	17260.601	ug/l	1.3	500000	
Ca	40	45	H2	19970.501	ug/l	1.3	1000000	
Ti	47	45	No Gas	8.691	ug/l	49.2	10000	
V	51	45	He	-0.318	ug/l	N/A	5000	
Cr	52	45	He	-0.531	ug/l	N/A	20000	
Mn	55	45	He	19.966	ug/l	0.4	20000	
Fe	56	45	H2	428.369	ug/l	1.3	500000	
Co	59	45	He	0.099	ug/l	26.4	2000	
Ni	60	45	He	2.061	ug/l	8.8	20000	
Cu	63	45	He	52.107	ug/l	0.2	20000	
Zn	66	45	He	125.748	ug/l	0.8	20000	
As	75	45	He	-0.084	ug/l	N/A	5000	
Se	78	45	H2	0.160	ug/l	10.6	3000	
Sr	88	115	He	340.419	ug/l	1.2	5000	
Mo	95	115	He	5.099	ug/l	1.5	2000	
Ag	107	115	He	0.046	ug/l	14.6	1000	
Cd	111	115	He	0.016	ug/l	100.4	5000	
Sn	118	115	He	1.860	ug/l	20.2	2000	
Sb	121	115	He	0.450	ug/l	2.4	1000	
Ba	137	159	He	71.724	ug/l	3.0	20000	
Tl	205	209	He	-0.049	ug/l	N/A	1000	
[Pb]	206	209	He	0.401	ug/l	3.7		
[Pb]	207	209	He	0.434	ug/l	3.8		
Pb	208	209	He	0.425	ug/l	3.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9584978.26	0.5	101.8	60	125	
Sc (ISICPMS)	45	No Gas	7016122.12	1.2	100.7	60	125	
Sc (ISICPMS)	45	H2	2647064.77	0.8	99.8	60	125	
Sc (ISICPMS)	45	He	105501.04	0.9	98.3	60	125	
Ge (IS)	74	H2	517139.66	0.8	102.3	60	125	
Ge (IS)	74	He	58432.92	0.4	105.2	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	130158.65	1.0	104.2	60	125	
Tb (IS)	159	He	786605.02	0.7	106.4	60	125	
Bi (IS)	209	He	697629.09	0.8	106.3	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 305_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 01:05:40

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	97.708	ug/l	1.5	100	90	110	
B	11	6	No Gas	252.113	ug/l	0.5	250	225	275	
Na	23	45	He	26724.442	ug/l	0.9	25000	22500	27500	
Mg	24	45	He	25975.272	ug/l	0.9	25000	22500	27500	
Al	27	45	He	25819.194	ug/l	1.1	25000	22500	27500	
K	39	45	He	26172.244	ug/l	0.8	25000	22500	27500	
Ca	40	45	H2	25434.429	ug/l	1.0	25000	22500	27500	
Ti	47	45	No Gas	99.663	ug/l	0.9	100	90	110	
V	51	45	He	102.288	ug/l	1.1	100	90	110	
Cr	52	45	He	101.584	ug/l	2.1	100	90	110	
Mn	55	45	He	106.096	ug/l	1.3	100	90	110	
Fe	56	45	H2	25696.420	ug/l	0.5	25000	22500	27500	
Co	59	45	He	102.701	ug/l	0.7	100	90	110	
Ni	60	45	He	101.739	ug/l	1.1	100	90	110	
Cu	63	45	He	102.143	ug/l	0.7	100	90	110	
Zn	66	45	He	258.656	ug/l	2.0	250	225	275	
As	75	45	He	102.685	ug/l	0.8	100	90	110	
Se	78	45	H2	103.266	ug/l	1.9	100	90	110	
Sr	88	115	He	101.713	ug/l	1.7	100	90	110	
Mo	95	115	He	100.090	ug/l	1.3	100	90	110	
Ag	107	115	He	50.676	ug/l	1.5	50	45	55	
Cd	111	115	He	101.662	ug/l	1.2	100	90	110	
Sn	118	115	He	104.586	ug/l	0.7	100	90	110	
Sb	121	115	He	102.959	ug/l	0.6	100	90	110	
Ba	137	159	He	101.162	ug/l	2.1	100	90	110	
Tl	205	209	He	101.872	ug/l	0.6	100	90	110	
[Pb]	206	209	He	101.745	ug/l	0.2				
[Pb]	207	209	He	101.917	ug/l	1.0				
Pb	208	209	He	102.061	ug/l	0.5	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	8979859.66	0.6	95.4	60	125	
Sc (ISICPMS)	45	No Gas	6528810.53	0.2	93.7	60	125	
Sc (ISICPMS)	45	H2	2463333.45	0.8	92.8	60	125	
Sc (ISICPMS)	45	He	96961.40	0.9	90.3	60	125	
Ge (IS)	74	H2	479843.77	0.6	94.9	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	53674.47	1.5	96.6	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	119996.08	0.8	96.1	60	125	
Tb (IS)	159	He	743607.26	0.8	100.6	60	125	
Bi (IS)	209	He	646012.53	0.7	98.5	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 306_Blk.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 01:08:10

Sample Name **CCB**

Comment ---

Dilution 1.0000

Rdl/Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.009	ug/l	22.2	0.8	-0.8	0.8	
B	11	6	No Gas	8.609	ug/l	1.8	40	-40	40	
Na	23	45	He	623.707	ug/l	0.5	500	-500	500	> water RL
Mg	24	45	He	16.463	ug/l	5.3	200	-200	200	
Al	27	45	He	1.903	ug/l	26.1	40	-40	40	
K	39	45	He	4.057	ug/l	168.8	200	-200	200	
Ca	40	45	H2	109.213	ug/l	1.4	500	-500	500	
Ti	47	45	No Gas	-0.013	ug/l	N/A	4	-4	4	
V	51	45	He	-0.179	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.082	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.787	ug/l	21.8	8	-8	8	
Fe	56	45	H2	7.164	ug/l	3.5	60	-60	60	
Co	59	45	He	0.009	ug/l	93.9	4	-4	4	
Ni	60	45	He	-0.267	ug/l	N/A	4	-4	4	
Cu	63	45	He	-0.011	ug/l	N/A	4	-4	4	
Zn	66	45	He	0.333	ug/l	193.3	16	-16	16	
As	75	45	He	-0.110	ug/l	N/A	2	-2	2	
Se	78	45	H2	0.138	ug/l	102.1	2.5	-2.5	2.5	
Sr	88	115	He	0.197	ug/l	45.6	4	-4	4	
Mo	95	115	He	0.151	ug/l	14.7	4	-4	4	
Ag	107	115	He	0.001	ug/l	274.6	2	-2	2	
Cd	111	115	He	0.006	ug/l	173.2	2	-2	2	
Sn	118	115	He	0.048	ug/l	133.5	16	-16	16	
Sb	121	115	He	0.003	ug/l	766.8	2	-2	2	
Ba	137	159	He	0.136	ug/l	34.7	4	-4	4	
Tl	205	209	He	-0.032	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.107	ug/l	23.5				
[Pb]	207	209	He	0.061	ug/l	25.3				
Pb	208	209	He	0.093	ug/l	8.8	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	8990664.59	0.2	95.5	60	125	
Sc (ISICPMS)	45	No Gas	6582092.47	0.9	94.4	60	125	
Sc (ISICPMS)	45	H2	2478457.45	0.8	93.4	60	125	
Sc (ISICPMS)	45	He	100181.85	0.4	93.3	60	125	
Ge (IS)	74	H2	475633.28	0.4	94.1	60	125	
Ge (IS)	74	He	53851.93	1.1	96.9	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	124305.35	1.2	99.6	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	752819.89	0.4	101.8	60	125	
Bi (IS)	209	He	670141.61	1.1	102.2	60	125	

DRAFT

Sample Report

File Name 307SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 01:10:39

Sample Name **460-306796-A-12-A**

Comment ---

Dilution **1.0000**

Vial # 3305

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.002	ug/l	101.8	2000	
B	11	6	No Gas	7.476	ug/l	2.6	2000	
Na	23	45	He	496.577	ug/l	2.8	500000	
Mg	24	45	He	5.078	ug/l	16.6	500000	
Al	27	45	He	6.600	ug/l	15.8	500000	
K	39	45	He	-18.206	ug/l	N/A	500000	
Ca	40	45	H2	17.178	ug/l	4.9	1000000	
Ti	47	45	No Gas	-2.085	ug/l	N/A	10000	
V	51	45	He	-0.728	ug/l	N/A	5000	
Cr	52	45	He	-0.867	ug/l	N/A	20000	
Mn	55	45	He	0.544	ug/l	22.2	20000	
Fe	56	45	H2	0.692	ug/l	22.8	500000	
Co	59	45	He	-0.025	ug/l	N/A	2000	
Ni	60	45	He	0.048	ug/l	108.5	20000	
Cu	63	45	He	1.162	ug/l	3.5	20000	
Zn	66	45	He	1.656	ug/l	9.1	20000	
As	75	45	He	-0.279	ug/l	N/A	5000	
Se	78	45	H2	-0.043	ug/l	N/A	3000	
Sr	88	115	He	0.030	ug/l	121.3	5000	
Mo	95	115	He	0.046	ug/l	76.8	2000	
Ag	107	115	He	0.027	ug/l	17.7	1000	
Cd	111	115	He	0.005	ug/l	173.2	5000	
Sn	118	115	He	-0.107	ug/l	N/A	2000	
Sb	121	115	He	-0.032	ug/l	N/A	1000	
Ba	137	159	He	0.084	ug/l	35.5	20000	
Tl	205	209	He	-0.042	ug/l	N/A	1000	
[Pb]	206	209	He	0.049	ug/l	47.0		
[Pb]	207	209	He	0.041	ug/l	22.3		
Pb	208	209	He	0.055	ug/l	16.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9410826.94	0.9	100.0	60	125	
Sc (ISICPMS)	45	No Gas	6799965.04	0.5	97.6	60	125	
Sc (ISICPMS)	45	H2	2563576.70	0.3	96.6	60	125	
Sc (ISICPMS)	45	He	103150.15	0.5	96.1	60	125	
Ge (IS)	74	H2	481672.83	0.2	95.3	60	125	
Ge (IS)	74	He	54341.61	0.1	97.8	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	128030.10	0.8	102.5	60	125	
Tb (IS)	159	He	778609.83	0.5	105.3	60	125	
Bi (IS)	209	He	692487.26	0.0	105.6	60	125	

DRAFT

Sample Report

File Name 308SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 01:13:10

Sample Name **460-306806-A-1-A**

Comment ---

Dilution **1.0000**

Vial # 3306

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.035	ug/l	9.9	2000	
B	11	6	No Gas	875.578	ug/l	0.8	2000	
Na	23	45	He	16937040.065	ug/l	0.9	500000	>LDR 6020B□>LDR 200.8
Mg	24	45	He	28826.453	ug/l	3.6	500000	
Al	27	45	He	972.624	ug/l	2.2	500000	
K	39	45	He	31042.016	ug/l	4.3	500000	
Ca	40	45	H2	150184.083	ug/l	1.4	1000000	
Ti	47	45	No Gas	72.920	ug/l	2.1	10000	
V	51	45	He	6.544	ug/l	7.2	5000	
Cr	52	45	He	4.732	ug/l	4.6	20000	
Mn	55	45	He	148.519	ug/l	5.1	20000	
Fe	56	45	H2	2236.497	ug/l	1.7	500000	
Co	59	45	He	1.036	ug/l	2.5	2000	
Ni	60	45	He	3.296	ug/l	8.5	20000	
Cu	63	45	He	12.754	ug/l	3.3	20000	
Zn	66	45	He	20.273	ug/l	3.3	20000	
As	75	45	He	7.110	ug/l	1.4	5000	
Se	78	45	H2	0.997	ug/l	23.5	3000	
Sr	88	115	He	4213.266	ug/l	1.0	5000	
Mo	95	115	He	11.865	ug/l	4.4	2000	
Ag	107	115	He	0.225	ug/l	12.2	1000	
Cd	111	115	He	1.127	ug/l	4.2	5000	
Sn	118	115	He	0.203	ug/l	106.2	2000	
Sb	121	115	He	0.724	ug/l	6.5	1000	
Ba	137	159	He	157.557	ug/l	2.7	20000	
Tl	205	209	He	0.059	ug/l	11.8	1000	
[Pb]	206	209	He	5.591	ug/l	5.0		
[Pb]	207	209	He	5.239	ug/l	1.6		
Pb	208	209	He	5.360	ug/l	3.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	7676043.84	0.7	81.5	60	125	
Sc (ISICPMS)	45	No Gas	5566827.90	0.7	79.9	60	125	
Sc (ISICPMS)	45	H2	2200834.12	0.9	82.9	60	125	
Sc (ISICPMS)	45	He	98713.48	1.8	91.9	60	125	
Ge (IS)	74	H2	399996.70	0.9	79.1	60	125	
Ge (IS)	74	He	50525.88	2.6	90.9	60	125	
Kr	83	He	6.67	173.2	200.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	104477.61	2.8	83.7	60	125	
Tb (IS)	159	He	585362.21	1.1	79.2	60	125	
Bi (IS)	209	He	457293.38	2.6	69.7	60	125	

DRAFT

Sample Report

File Name 309SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 01:15:41

Sample Name **460-307077-F-1-A**

Comment ---

Dilution **1.0000**

Vial # 3307

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.001	ug/l	N/A	2000	
B	11	6	No Gas	129.254	ug/l	1.7	2000	
Na	23	45	He	79222.221	ug/l	1.6	500000	
Mg	24	45	He	60904.076	ug/l	0.8	500000	
Al	27	45	He	5.909	ug/l	20.7	500000	
K	39	45	He	1783.676	ug/l	1.1	500000	
Ca	40	45	H2	154779.400	ug/l	0.7	1000000	
Ti	47	45	No Gas	-0.327	ug/l	N/A	10000	
V	51	45	He	4.084	ug/l	7.7	5000	
Cr	52	45	He	-0.616	ug/l	N/A	20000	
Mn	55	45	He	1.023	ug/l	9.1	20000	
Fe	56	45	H2	32.552	ug/l	1.7	500000	
Co	59	45	He	0.026	ug/l	36.5	2000	
Ni	60	45	He	-0.177	ug/l	N/A	20000	
Cu	63	45	He	0.594	ug/l	7.9	20000	
Zn	66	45	He	1.058	ug/l	11.9	20000	
As	75	45	He	2.977	ug/l	16.0	5000	
Se	78	45	H2	0.385	ug/l	33.8	3000	
Sr	88	115	He	869.626	ug/l	0.1	5000	
Mo	95	115	He	0.658	ug/l	9.9	2000	
Ag	107	115	He	0.050	ug/l	3.2	1000	
Cd	111	115	He	0.005	ug/l	173.2	5000	
Sn	118	115	He	-0.168	ug/l	N/A	2000	
Sb	121	115	He	0.013	ug/l	361.3	1000	
Ba	137	159	He	409.951	ug/l	1.3	20000	
Tl	205	209	He	-0.043	ug/l	N/A	1000	
[Pb]	206	209	He	0.045	ug/l	32.2		
[Pb]	207	209	He	0.034	ug/l	61.7		
Pb	208	209	He	0.038	ug/l	33.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9067635.28	1.2	96.3	60	125	
Sc (ISICPMS)	45	No Gas	6353221.92	0.6	91.2	60	125	
Sc (ISICPMS)	45	H2	2471689.27	0.1	93.2	60	125	
Sc (ISICPMS)	45	He	100033.78	1.3	93.2	60	125	
Ge (IS)	74	H2	486017.80	0.3	96.1	60	125	
Ge (IS)	74	He	55361.29	0.7	99.6	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	124676.36	0.3	99.9	60	125	
Tb (IS)	159	He	754738.43	1.0	102.1	60	125	
Bi (IS)	209	He	646685.37	0.7	98.6	60	125	

DRAFT

Sample Report

File Name 310SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 01:18:12

Sample Name **460-306938-A-1-A**

Comment ---

Dilution **1.0000**

Vial # 3308

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.003	ug/l	98.9	2000	
B	11	6	No Gas	15.170	ug/l	2.1	2000	
Na	23	45	He	12303.738	ug/l	0.6	500000	
Mg	24	45	He	1469.968	ug/l	0.3	500000	
Al	27	45	He	144.173	ug/l	3.3	500000	
K	39	45	He	787.557	ug/l	0.7	500000	
Ca	40	45	H2	6461.122	ug/l	1.1	1000000	
Ti	47	45	No Gas	4.598	ug/l	3.9	10000	
V	51	45	He	1.279	ug/l	5.1	5000	
Cr	52	45	He	2.016	ug/l	9.6	20000	
Mn	55	45	He	31.834	ug/l	1.8	20000	
Fe	56	45	H2	250.610	ug/l	2.0	500000	
Co	59	45	He	1.016	ug/l	4.4	2000	
Ni	60	45	He	2.243	ug/l	5.0	20000	
Cu	63	45	He	790.194	ug/l	0.8	20000	
Zn	66	45	He	407.447	ug/l	1.4	20000	
As	75	45	He	1.307	ug/l	8.6	5000	
Se	78	45	H2	0.135	ug/l	30.6	3000	
Sr	88	115	He	28.860	ug/l	1.5	5000	
Mo	95	115	He	0.326	ug/l	17.2	2000	
Ag	107	115	He	0.017	ug/l	21.3	1000	
Cd	111	115	He	0.403	ug/l	22.3	5000	
Sn	118	115	He	0.526	ug/l	14.0	2000	
Sb	121	115	He	0.672	ug/l	4.7	1000	
Ba	137	159	He	78.883	ug/l	1.6	20000	
Tl	205	209	He	-0.040	ug/l	N/A	1000	
[Pb]	206	209	He	17.513	ug/l	1.1		
[Pb]	207	209	He	16.798	ug/l	1.8		
Pb	208	209	He	17.129	ug/l	1.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9262337.43	1.0	98.4	60	125	
Sc (ISICPMS)	45	No Gas	6517943.17	1.7	93.5	60	125	
Sc (ISICPMS)	45	H2	2504651.75	1.5	94.4	60	125	
Sc (ISICPMS)	45	He	101708.21	0.6	94.7	60	125	
Ge (IS)	74	H2	497033.56	1.0	98.3	60	125	
Ge (IS)	74	He	56155.59	1.2	101.1	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	127528.67	0.6	102.1	60	125	
Tb (IS)	159	He	763078.99	0.8	103.2	60	125	
Bi (IS)	209	He	674107.37	0.9	102.8	60	125	

DRAFT

Sample Report

File Name 311SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 01:20:42

Sample Name **460-306938-A-2-A**

Comment ---

Dilution **1.0000**

Vial # 3309

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.013	ug/l	17.8	2000	
B	11	6	No Gas	13.888	ug/l	2.9	2000	
Na	23	45	He	11364.695	ug/l	0.7	500000	
Mg	24	45	He	1858.998	ug/l	0.7	500000	
Al	27	45	He	290.196	ug/l	3.9	500000	
K	39	45	He	780.475	ug/l	1.9	500000	
Ca	40	45	H2	7236.351	ug/l	0.8	1000000	
Ti	47	45	No Gas	9.562	ug/l	5.1	10000	
V	51	45	He	1.587	ug/l	10.4	5000	
Cr	52	45	He	4.144	ug/l	2.3	20000	
Mn	55	45	He	35.476	ug/l	2.5	20000	
Fe	56	45	H2	461.692	ug/l	1.3	500000	
Co	59	45	He	1.128	ug/l	3.7	2000	
Ni	60	45	He	3.052	ug/l	3.6	20000	
Cu	63	45	He	1243.391	ug/l	0.9	20000	
Zn	66	45	He	492.526	ug/l	0.9	20000	
As	75	45	He	2.142	ug/l	4.1	5000	
Se	78	45	H2	0.082	ug/l	111.4	3000	
Sr	88	115	He	30.915	ug/l	2.7	5000	
Mo	95	115	He	0.256	ug/l	26.9	2000	
Ag	107	115	He	0.041	ug/l	4.4	1000	
Cd	111	115	He	0.541	ug/l	22.2	5000	
Sn	118	115	He	0.881	ug/l	15.6	2000	
Sb	121	115	He	0.782	ug/l	3.3	1000	
Ba	137	159	He	125.931	ug/l	0.7	20000	
Tl	205	209	He	-0.037	ug/l	N/A	1000	
[Pb]	206	209	He	28.037	ug/l	0.5		
[Pb]	207	209	He	26.367	ug/l	1.7		
Pb	208	209	He	27.154	ug/l	0.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9075956.32	1.0	96.4	60	125	
Sc (ISICPMS)	45	No Gas	6448083.86	0.7	92.5	60	125	
Sc (ISICPMS)	45	H2	2460724.58	0.5	92.7	60	125	
Sc (ISICPMS)	45	He	99694.54	0.4	92.8	60	125	
Ge (IS)	74	H2	489322.84	0.5	96.8	60	125	
Ge (IS)	74	He	54976.34	1.0	98.9	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	125343.86	2.0	100.4	60	125	
Tb (IS)	159	He	755232.62	0.6	102.2	60	125	
Bi (IS)	209	He	669227.70	0.6	102.0	60	125	

DRAFT

Sample Report

File Name 312SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 01:23:12

Sample Name **460-307143-A-1-A**

Comment ---

Dilution **1.0000**

Vial # 3310

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.005	ug/l	34.3	2000	
B	11	6	No Gas	271.055	ug/l	1.8	2000	
Na	23	45	He	392853.124	ug/l	0.5	500000	
Mg	24	45	He	28407.873	ug/l	0.7	500000	
Al	27	45	He	61.394	ug/l	3.1	500000	
K	39	45	He	30581.239	ug/l	0.3	500000	
Ca	40	45	H2	104360.877	ug/l	1.5	1000000	
Ti	47	45	No Gas	2.073	ug/l	32.9	10000	
V	51	45	He	1.348	ug/l	16.1	5000	
Cr	52	45	He	0.330	ug/l	28.9	20000	
Mn	55	45	He	848.436	ug/l	1.4	20000	
Fe	56	45	H2	3087.771	ug/l	1.4	500000	
Co	59	45	He	0.378	ug/l	10.3	2000	
Ni	60	45	He	1.155	ug/l	9.5	20000	
Cu	63	45	He	6.975	ug/l	2.2	20000	
Zn	66	45	He	34.791	ug/l	2.5	20000	
As	75	45	He	2.947	ug/l	2.6	5000	
Se	78	45	H2	0.102	ug/l	112.8	3000	
Sr	88	115	He	854.694	ug/l	1.4	5000	
Mo	95	115	He	1.470	ug/l	9.1	2000	
Ag	107	115	He	0.029	ug/l	20.7	1000	
Cd	111	115	He	0.011	ug/l	173.2	5000	
Sn	118	115	He	0.037	ug/l	182.1	2000	
Sb	121	115	He	0.376	ug/l	22.5	1000	
Ba	137	159	He	238.291	ug/l	1.7	20000	
Tl	205	209	He	-0.044	ug/l	N/A	1000	
[Pb]	206	209	He	0.539	ug/l	6.9		
[Pb]	207	209	He	0.515	ug/l	11.2		
Pb	208	209	He	0.528	ug/l	4.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8633913.28	1.1	91.7	60	125	
Sc (ISICPMS)	45	No Gas	6421312.06	0.4	92.1	60	125	
Sc (ISICPMS)	45	H2	2453026.80	0.1	92.4	60	125	
Sc (ISICPMS)	45	He	98119.14	0.6	91.4	60	125	
Ge (IS)	74	H2	477239.57	0.8	94.4	60	125	
Ge (IS)	74	He	53786.10	0.3	96.8	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	119613.13	1.0	95.8	60	125	
Tb (IS)	159	He	738407.18	0.8	99.9	60	125	
Bi (IS)	209	He	625681.18	0.5	95.4	60	125	

DRAFT

Sample Report

File Name 313SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 01:25:42

Sample Name **460-307164-N-2-A**

Comment ---

Dilution **1.0000**

Vial # 3311

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.009	ug/l	47.3	2000	
B	11	6	No Gas	2673.112	ug/l	0.8	2000	>LDR 6020B□>LDR 200.8
Na	23	45	He	6280961.607	ug/l	1.1	500000	>LDR 6020B□>LDR 200.8
Mg	24	45	He	732285.508	ug/l	0.4	500000	>LDR 6020B□>LDR 200.8
Al	27	45	He	107.134	ug/l	11.8	500000	
K	39	45	He	244378.709	ug/l	1.0	500000	
Ca	40	45	H2	266298.019	ug/l	0.2	1000000	
Ti	47	45	No Gas	2.620	ug/l	32.8	10000	
V	51	45	He	1.504	ug/l	12.9	5000	
Cr	52	45	He	0.019	ug/l	419.6	20000	
Mn	55	45	He	69.689	ug/l	1.3	20000	
Fe	56	45	H2	208.296	ug/l	0.4	500000	
Co	59	45	He	0.213	ug/l	10.0	2000	
Ni	60	45	He	1.304	ug/l	14.6	20000	
Cu	63	45	He	6.439	ug/l	1.1	20000	
Zn	66	45	He	15.564	ug/l	3.7	20000	
As	75	45	He	1.385	ug/l	25.0	5000	
Se	78	45	H2	0.104	ug/l	55.9	3000	
Sr	88	115	He	4861.435	ug/l	0.9	5000	>LDR 200.8
Mo	95	115	He	7.016	ug/l	2.2	2000	
Ag	107	115	He	0.048	ug/l	9.7	1000	
Cd	111	115	He	0.091	ug/l	54.3	5000	
Sn	118	115	He	0.295	ug/l	50.6	2000	
Sb	121	115	He	0.345	ug/l	25.0	1000	
Ba	137	159	He	23.434	ug/l	4.4	20000	
Tl	205	209	He	-0.032	ug/l	N/A	1000	
[Pb]	206	209	He	1.656	ug/l	4.4		
[Pb]	207	209	He	1.582	ug/l	3.5		
Pb	208	209	He	1.620	ug/l	1.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8260800.02	1.0	87.7	60	125	
Sc (ISICPMS)	45	No Gas	6089824.56	0.3	87.4	60	125	
Sc (ISICPMS)	45	H2	2415929.60	0.5	91.0	60	125	
Sc (ISICPMS)	45	He	108605.56	0.6	101.1	60	125	
Ge (IS)	74	H2	450574.78	0.3	89.1	60	125	
Ge (IS)	74	He	55931.30	0.9	100.7	60	125	
Kr	83	He	10.01	100.0	300.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	119551.08	0.6	95.7	60	125	
Tb (IS)	159	He	710395.75	0.3	96.1	60	125	
Bi (IS)	209	He	554788.65	0.3	84.6	60	125	

DRAFT

Sample Report

File Name 314SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 01:28:14

Sample Name **460-307164-N-3-A**

Comment ---

Dilution **1.0000**

Vial # 3312

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.004	ug/l	79.5	2000	
B	11	6	No Gas	2545.108	ug/l	1.6	2000	>LDR 6020B□>LDR 200.8
Na	23	45	He	6179048.844	ug/l	0.8	500000	>LDR 6020B□>LDR 200.8
Mg	24	45	He	739149.874	ug/l	1.6	500000	>LDR 6020B□>LDR 200.8
Al	27	45	He	129.972	ug/l	8.8	500000	
K	39	45	He	246713.123	ug/l	2.4	500000	
Ca	40	45	H2	258320.357	ug/l	1.3	1000000	
Ti	47	45	No Gas	2.477	ug/l	10.8	10000	
V	51	45	He	1.797	ug/l	19.6	5000	
Cr	52	45	He	0.527	ug/l	44.6	20000	
Mn	55	45	He	65.822	ug/l	4.4	20000	
Fe	56	45	H2	248.507	ug/l	2.2	500000	
Co	59	45	He	0.177	ug/l	11.4	2000	
Ni	60	45	He	0.545	ug/l	12.6	20000	
Cu	63	45	He	2.953	ug/l	1.3	20000	
Zn	66	45	He	9.999	ug/l	4.7	20000	
As	75	45	He	1.745	ug/l	14.5	5000	
Se	78	45	H2	0.196	ug/l	26.5	3000	
Sr	88	115	He	4730.701	ug/l	1.2	5000	>LDR 200.8
Mo	95	115	He	6.668	ug/l	1.3	2000	
Ag	107	115	He	0.046	ug/l	13.3	1000	
Cd	111	115	He	0.067	ug/l	25.5	5000	
Sn	118	115	He	-0.085	ug/l	N/A	2000	
Sb	121	115	He	0.249	ug/l	15.5	1000	
Ba	137	159	He	23.131	ug/l	6.6	20000	
Tl	205	209	He	-0.033	ug/l	N/A	1000	
[Pb]	206	209	He	1.878	ug/l	7.2		
[Pb]	207	209	He	1.693	ug/l	9.0		
Pb	208	209	He	1.787	ug/l	2.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9296532.43	0.2	98.7	60	125	
Sc (ISICPMS)	45	No Gas	6773157.26	0.9	97.2	60	125	
Sc (ISICPMS)	45	H2	2638415.90	0.8	99.4	60	125	
Sc (ISICPMS)	45	He	115176.55	1.2	107.3	60	125	
Ge (IS)	74	H2	486772.04	1.2	96.3	60	125	
Ge (IS)	74	He	60843.40	1.6	109.5	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	130287.45	2.3	104.3	60	125	
Tb (IS)	159	He	730496.77	1.9	98.8	60	125	
Bi (IS)	209	He	577451.76	1.9	88.0	60	125	

DRAFT

Sample Report

File Name 315SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 01:30:45

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	-0.003	ug/l	N/A	2000	
B	11	6	No Gas	30.838	ug/l	2.2	2000	
Na	23	45	He	1771.518	ug/l	4.1	500000	
Mg	24	45	He	47.434	ug/l	11.7	500000	
Al	27	45	He	0.078	ug/l	1853.7	500000	
K	39	45	He	31.677	ug/l	21.0	500000	
Ca	40	45	H2	34.994	ug/l	3.5	1000000	
Ti	47	45	No Gas	-1.469	ug/l	N/A	10000	
V	51	45	He	0.330	ug/l	30.8	5000	
Cr	52	45	He	-0.247	ug/l	N/A	20000	
Mn	55	45	He	0.286	ug/l	30.5	20000	
Fe	56	45	H2	3.233	ug/l	5.7	500000	
Co	59	45	He	-0.023	ug/l	N/A	2000	
Ni	60	45	He	-0.315	ug/l	N/A	20000	
Cu	63	45	He	0.053	ug/l	126.9	20000	
Zn	66	45	He	-0.173	ug/l	N/A	20000	
As	75	45	He	-0.209	ug/l	N/A	5000	
Se	78	45	H2	-0.018	ug/l	N/A	3000	
Sr	88	115	He	1.080	ug/l	5.3	5000	
Mo	95	115	He	0.073	ug/l	22.1	2000	
Ag	107	115	He	0.002	ug/l	182.0	1000	
Cd	111	115	He	0.005	ug/l	173.2	5000	
Sn	118	115	He	0.066	ug/l	210.3	2000	
Sb	121	115	He	-0.011	ug/l	N/A	1000	
Ba	137	159	He	0.242	ug/l	17.4	20000	
Tl	205	209	He	-0.050	ug/l	N/A	1000	
[Pb]	206	209	He	0.032	ug/l	52.7		
[Pb]	207	209	He	0.005	ug/l	104.9		
Pb	208	209	He	0.030	ug/l	4.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9995461.80	1.4	106.2	60	125	
Sc (ISICPMS)	45	No Gas	7077903.78	1.7	101.6	60	125	
Sc (ISICPMS)	45	H2	2681327.44	1.1	101.1	60	125	
Sc (ISICPMS)	45	He	112169.76	0.9	104.5	60	125	
Ge (IS)	74	H2	514891.27	1.0	101.8	60	125	
Ge (IS)	74	He	59272.25	0.0	106.7	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	138269.89	1.3	110.7	60	125	
Tb (IS)	159	He	804740.47	1.0	108.9	60	125	
Bi (IS)	209	He	704777.53	1.3	107.4	60	125	

DRAFT

Sample Report

File Name 316SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 01:33:15

Sample Name **460-307164-N-4-A**

Comment ---

Dilution **1.0000**

Vial # 3401

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.005	ug/l	42.3	2000	
B	11	6	No Gas	2500.172	ug/l	0.4	2000	>LDR 6020B□>LDR 200.8
Na	23	45	He	5956533.662	ug/l	0.5	500000	>LDR 6020B□>LDR 200.8
Mg	24	45	He	701119.613	ug/l	1.0	500000	>LDR 6020B□>LDR 200.8
Al	27	45	He	89.918	ug/l	6.4	500000	
K	39	45	He	236748.997	ug/l	1.6	500000	
Ca	40	45	H2	256786.624	ug/l	2.0	1000000	
Ti	47	45	No Gas	1.036	ug/l	10.9	10000	
V	51	45	He	1.563	ug/l	7.8	5000	
Cr	52	45	He	0.023	ug/l	144.5	20000	
Mn	55	45	He	74.235	ug/l	2.1	20000	
Fe	56	45	H2	170.478	ug/l	1.7	500000	
Co	59	45	He	0.164	ug/l	18.6	2000	
Ni	60	45	He	0.866	ug/l	20.4	20000	
Cu	63	45	He	3.193	ug/l	2.6	20000	
Zn	66	45	He	11.182	ug/l	4.7	20000	
As	75	45	He	1.678	ug/l	7.8	5000	
Se	78	45	H2	0.173	ug/l	74.2	3000	
Sr	88	115	He	4524.521	ug/l	1.2	5000	>LDR 200.8
Mo	95	115	He	6.461	ug/l	2.6	2000	
Ag	107	115	He	0.017	ug/l	39.3	1000	
Cd	111	115	He	0.066	ug/l	33.6	5000	
Sn	118	115	He	-0.033	ug/l	N/A	2000	
Sb	121	115	He	0.338	ug/l	18.4	1000	
Ba	137	159	He	23.583	ug/l	1.8	20000	
Tl	205	209	He	-0.030	ug/l	N/A	1000	
[Pb]	206	209	He	1.608	ug/l	1.0		
[Pb]	207	209	He	1.390	ug/l	3.9		
Pb	208	209	He	1.538	ug/l	2.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9460784.65	0.5	100.5	60	125	
Sc (ISICPMS)	45	No Gas	6839263.30	0.5	98.1	60	125	
Sc (ISICPMS)	45	H2	2694858.78	0.7	101.6	60	125	
Sc (ISICPMS)	45	He	117975.38	0.4	109.9	60	125	
Ge (IS)	74	H2	500011.96	0.9	98.9	60	125	
Ge (IS)	74	He	60301.88	0.5	108.5	60	125	
Kr	83	He	10.01	100.0	300.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	132626.31	1.6	106.2	60	125	
Tb (IS)	159	He	763334.62	0.8	103.3	60	125	
Bi (IS)	209	He	586853.34	1.5	89.5	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 317_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 01:35:45

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	98.697	ug/l	2.1	100	90	110	
B	11	6	No Gas	270.211	ug/l	1.4	250	225	275	
Na	23	45	He	27206.971	ug/l	0.1	25000	22500	27500	
Mg	24	45	He	25449.239	ug/l	1.2	25000	22500	27500	
Al	27	45	He	25491.604	ug/l	0.5	25000	22500	27500	
K	39	45	He	25989.537	ug/l	1.1	25000	22500	27500	
Ca	40	45	H2	25830.146	ug/l	0.8	25000	22500	27500	
Ti	47	45	No Gas	100.555	ug/l	2.1	100	90	110	
V	51	45	He	100.020	ug/l	1.1	100	90	110	
Cr	52	45	He	99.722	ug/l	1.8	100	90	110	
Mn	55	45	He	104.157	ug/l	1.8	100	90	110	
Fe	56	45	H2	25677.732	ug/l	1.0	25000	22500	27500	
Co	59	45	He	100.045	ug/l	0.4	100	90	110	
Ni	60	45	He	98.846	ug/l	1.0	100	90	110	
Cu	63	45	He	99.395	ug/l	1.1	100	90	110	
Zn	66	45	He	258.540	ug/l	2.4	250	225	275	
As	75	45	He	101.780	ug/l	1.5	100	90	110	
Se	78	45	H2	102.078	ug/l	1.6	100	90	110	
Sr	88	115	He	102.413	ug/l	2.7	100	90	110	
Mo	95	115	He	97.422	ug/l	0.7	100	90	110	
Ag	107	115	He	48.809	ug/l	0.7	50	45	55	
Cd	111	115	He	101.619	ug/l	1.4	100	90	110	
Sn	118	115	He	102.159	ug/l	0.6	100	90	110	
Sb	121	115	He	103.946	ug/l	0.7	100	90	110	
Ba	137	159	He	103.487	ug/l	1.2	100	90	110	
Tl	205	209	He	101.276	ug/l	2.3	100	90	110	
[Pb]	206	209	He	101.460	ug/l	0.8				
[Pb]	207	209	He	101.137	ug/l	1.1				
Pb	208	209	He	101.506	ug/l	1.2	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	9279486.46	0.4	98.6	60	125	
Sc (ISICPMS)	45	No Gas	6722161.91	0.3	96.5	60	125	
Sc (ISICPMS)	45	H2	2556258.71	0.2	96.3	60	125	
Sc (ISICPMS)	45	He	102925.82	0.7	95.9	60	125	
Ge (IS)	74	H2	502298.61	0.9	99.4	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	56883.27	1.4	102.4	60	125	
Kr	83	He	10.01	173.2	300.0			
In-1	115	He	127954.78	0.7	102.5	60	125	
Tb (IS)	159	He	766843.16	1.2	103.7	60	125	
Bi (IS)	209	He	660135.22	1.5	100.6	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 318_Blk.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 01:38:15

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.011	ug/l	10.7	0.8	-0.8	0.8	
B	11	6	No Gas	17.613	ug/l	1.3	40	-40	40	
Na	23	45	He	1995.402	ug/l	1.4	500	-500	500	> water RL
Mg	24	45	He	34.128	ug/l	13.6	200	-200	200	
Al	27	45	He	2.055	ug/l	93.5	40	-40	40	
K	39	45	He	22.209	ug/l	45.2	200	-200	200	
Ca	40	45	H2	120.181	ug/l	2.1	500	-500	500	
Ti	47	45	No Gas	-0.529	ug/l	N/A	4	-4	4	
V	51	45	He	-0.068	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.129	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.439	ug/l	21.5	8	-8	8	
Fe	56	45	H2	7.784	ug/l	4.0	60	-60	60	
Co	59	45	He	0.010	ug/l	119.3	4	-4	4	
Ni	60	45	He	-0.207	ug/l	N/A	4	-4	4	
Cu	63	45	He	0.069	ug/l	95.8	4	-4	4	
Zn	66	45	He	0.129	ug/l	77.7	16	-16	16	
As	75	45	He	-0.160	ug/l	N/A	2	-2	2	
Se	78	45	H2	0.059	ug/l	98.7	2.5	-2.5	2.5	
Sr	88	115	He	0.479	ug/l	7.4	4	-4	4	
Mo	95	115	He	0.123	ug/l	49.8	4	-4	4	
Ag	107	115	He	0.002	ug/l	77.8	2	-2	2	
Cd	111	115	He	0.021	ug/l	44.0	2	-2	2	
Sn	118	115	He	0.120	ug/l	58.3	16	-16	16	
Sb	121	115	He	0.012	ug/l	150.0	2	-2	2	
Ba	137	159	He	0.147	ug/l	28.8	4	-4	4	
Tl	205	209	He	-0.034	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.080	ug/l	21.4				
[Pb]	207	209	He	0.059	ug/l	10.8				
Pb	208	209	He	0.077	ug/l	4.6	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	9349224.38	0.3	99.3	60	125	
Sc (ISICPMS)	45	No Gas	6646976.08	0.8	95.4	60	125	
Sc (ISICPMS)	45	H2	2538673.47	1.1	95.7	60	125	
Sc (ISICPMS)	45	He	105380.46	1.1	98.1	60	125	
Ge (IS)	74	H2	492788.17	0.6	97.5	60	125	
Ge (IS)	74	He	56748.06	1.1	102.1	60	125	
Kr	83	He	10.01	NaN	300.0			
In-1	115	He	131706.58	1.3	105.5	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	776004.34	0.9	105.0	60	125	
Bi (IS)	209	He	683341.91	0.7	104.2	60	125	

DRAFT

Sample Report

File Name 319SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 01:40:45

Sample Name **460-307165-L-1-A**

Comment ---

Dilution **1.0000**

Vial # 3402

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.554	ug/l	7.6	2000	
B	11	6	No Gas	84.179	ug/l	2.0	2000	
Na	23	45	He	75923.497	ug/l	0.5	500000	
Mg	24	45	He	10273.515	ug/l	0.6	500000	
Al	27	45	He	4855.812	ug/l	0.3	500000	
K	39	45	He	4349.707	ug/l	0.8	500000	
Ca	40	45	H2	20869.061	ug/l	1.2	1000000	
Ti	47	45	No Gas	0.761	ug/l	29.2	10000	
V	51	45	He	-0.383	ug/l	N/A	5000	
Cr	52	45	He	-0.328	ug/l	N/A	20000	
Mn	55	45	He	422.802	ug/l	0.2	20000	
Fe	56	45	H2	10701.684	ug/l	1.1	500000	
Co	59	45	He	27.409	ug/l	1.7	2000	
Ni	60	45	He	19.608	ug/l	2.6	20000	
Cu	63	45	He	6.111	ug/l	1.0	20000	
Zn	66	45	He	111.507	ug/l	2.3	20000	
As	75	45	He	1.286	ug/l	21.0	5000	
Se	78	45	H2	0.955	ug/l	9.6	3000	
Sr	88	115	He	135.503	ug/l	1.3	5000	
Mo	95	115	He	0.041	ug/l	51.6	2000	
Ag	107	115	He	0.016	ug/l	28.3	1000	
Cd	111	115	He	0.252	ug/l	9.2	5000	
Sn	118	115	He	14.565	ug/l	2.9	2000	
Sb	121	115	He	0.037	ug/l	30.1	1000	
Ba	137	159	He	52.902	ug/l	2.3	20000	
Tl	205	209	He	0.521	ug/l	5.0	1000	
[Pb]	206	209	He	1.477	ug/l	8.5		
[Pb]	207	209	He	1.383	ug/l	2.6		
Pb	208	209	He	1.398	ug/l	2.8	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	9132154.66	0.6	97.0	60	125	
Sc (ISICPMS)	45	No Gas	6668903.72	0.7	95.7	60	125	
Sc (ISICPMS)	45	H2	2561959.53	0.3	96.6	60	125	
Sc (ISICPMS)	45	He	102052.06	0.6	95.0	60	125	
Ge (IS)	74	H2	505567.81	0.3	100.0	60	125	
Ge (IS)	74	He	57185.39	1.2	102.9	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	126158.09	0.6	101.0	60	125	
Tb (IS)	159	He	767498.21	0.9	103.8	60	125	
Bi (IS)	209	He	663450.35	0.3	101.1	60	125	

DRAFT

Sample Report

File Name 320SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 01:43:16

Sample Name **460-306833-A-1-A**

Comment ---

Dilution **1.0000**

Vial # 3403

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.014	ug/l	27.8	2000	
B	11	6	No Gas	119.886	ug/l	1.3	2000	
Na	23	45	He	143889.941	ug/l	1.4	500000	
Mg	24	45	He	27477.836	ug/l	0.4	500000	
Al	27	45	He	25.310	ug/l	17.2	500000	
K	39	45	He	3547.554	ug/l	0.5	500000	
Ca	40	45	H2	125415.417	ug/l	1.6	1000000	
Ti	47	45	No Gas	0.413	ug/l	34.9	10000	
V	51	45	He	-0.361	ug/l	N/A	5000	
Cr	52	45	He	-0.906	ug/l	N/A	20000	
Mn	55	45	He	8675.739	ug/l	1.9	20000	
Fe	56	45	H2	3272.133	ug/l	1.4	500000	
Co	59	45	He	0.242	ug/l	5.5	2000	
Ni	60	45	He	1.557	ug/l	11.4	20000	
Cu	63	45	He	1.900	ug/l	4.0	20000	
Zn	66	45	He	2.983	ug/l	29.3	20000	
As	75	45	He	1.122	ug/l	24.4	5000	
Se	78	45	H2	0.090	ug/l	37.4	3000	
Sr	88	115	He	460.210	ug/l	0.8	5000	
Mo	95	115	He	0.782	ug/l	3.3	2000	
Ag	107	115	He	0.014	ug/l	32.7	1000	
Cd	111	115	He	0.011	ug/l	173.2	5000	
Sn	118	115	He	0.181	ug/l	352.1	2000	
Sb	121	115	He	0.031	ug/l	96.8	1000	
Ba	137	159	He	610.147	ug/l	1.9	20000	
Tl	205	209	He	-0.040	ug/l	N/A	1000	
[Pb]	206	209	He	1.360	ug/l	13.0		
[Pb]	207	209	He	1.307	ug/l	1.1		
Pb	208	209	He	1.327	ug/l	4.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8838173.97	0.8	93.9	60	125	
Sc (ISICPMS)	45	No Gas	6552491.15	0.6	94.0	60	125	
Sc (ISICPMS)	45	H2	2490455.14	0.7	93.9	60	125	
Sc (ISICPMS)	45	He	100238.72	0.8	93.3	60	125	
Ge (IS)	74	H2	485875.99	1.0	96.1	60	125	
Ge (IS)	74	He	55604.75	0.8	100.1	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	124525.94	1.2	99.7	60	125	
Tb (IS)	159	He	757098.30	1.2	102.4	60	125	
Bi (IS)	209	He	646055.98	0.3	98.5	60	125	

DRAFT

Sample Report

File Name 321SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 01:45:46

Sample Name **460-306833-A-1-B MS**

Comment ---

Dilution **1.0000**

Vial # 3404

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	24.164	ug/l	1.6	2000	
B	11	6	No Gas	573.127	ug/l	1.3	2000	
Na	23	45	He	138612.291	ug/l	0.9	500000	
Mg	24	45	He	28511.535	ug/l	0.5	500000	
Al	27	45	He	2526.279	ug/l	1.2	500000	
K	39	45	He	5905.594	ug/l	0.6	500000	
Ca	40	45	H2	120927.968	ug/l	1.5	1000000	
Ti	47	45	No Gas	49.810	ug/l	1.2	10000	
V	51	45	He	48.402	ug/l	1.5	5000	
Cr	52	45	He	48.461	ug/l	1.6	20000	
Mn	55	45	He	8463.079	ug/l	0.8	20000	
Fe	56	45	H2	5618.900	ug/l	1.0	500000	
Co	59	45	He	24.843	ug/l	1.9	2000	
Ni	60	45	He	49.246	ug/l	0.5	20000	
Cu	63	45	He	50.505	ug/l	0.5	20000	
Zn	66	45	He	249.105	ug/l	1.0	20000	
As	75	45	He	52.306	ug/l	1.9	5000	
Se	78	45	H2	49.400	ug/l	1.1	3000	
Sr	88	115	He	483.760	ug/l	0.4	5000	
Mo	95	115	He	47.669	ug/l	0.6	2000	
Ag	107	115	He	23.703	ug/l	0.9	1000	
Cd	111	115	He	24.837	ug/l	4.7	5000	
Sn	118	115	He	49.579	ug/l	0.8	2000	
Sb	121	115	He	24.825	ug/l	1.4	1000	
Ba	137	159	He	625.268	ug/l	1.4	20000	
Tl	205	209	He	19.793	ug/l	0.8	1000	
[Pb]	206	209	He	27.071	ug/l	1.5		
[Pb]	207	209	He	26.007	ug/l	1.1		
Pb	208	209	He	26.664	ug/l	0.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8791534.04	0.7	93.4	60	125	
Sc (ISICPMS)	45	No Gas	6508141.22	1.4	93.4	60	125	
Sc (ISICPMS)	45	H2	2485496.51	0.6	93.7	60	125	
Sc (ISICPMS)	45	He	98865.64	0.6	92.1	60	125	
Ge (IS)	74	H2	483579.72	0.4	95.7	60	125	
Ge (IS)	74	He	53847.48	0.9	96.9	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	122013.37	0.4	97.7	60	125	
Tb (IS)	159	He	744825.12	0.4	100.7	60	125	
Bi (IS)	209	He	635052.27	0.3	96.8	60	125	

DRAFT

Sample Report

File Name 322SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 01:48:17

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.005	ug/l	42.9	2000	
B	11	6	No Gas	15.491	ug/l	0.4	2000	
Na	23	45	He	842.509	ug/l	2.7	500000	
Mg	24	45	He	13.723	ug/l	17.3	500000	
Al	27	45	He	0.179	ug/l	861.0	500000	
K	39	45	He	15.311	ug/l	48.3	500000	
Ca	40	45	H2	35.013	ug/l	1.8	1000000	
Ti	47	45	No Gas	-0.874	ug/l	N/A	10000	
V	51	45	He	-0.484	ug/l	N/A	5000	
Cr	52	45	He	-0.404	ug/l	N/A	20000	
Mn	55	45	He	3.973	ug/l	1.9	20000	
Fe	56	45	H2	5.171	ug/l	4.4	500000	
Co	59	45	He	-0.014	ug/l	N/A	2000	
Ni	60	45	He	-0.258	ug/l	N/A	20000	
Cu	63	45	He	0.103	ug/l	30.7	20000	
Zn	66	45	He	-0.169	ug/l	N/A	20000	
As	75	45	He	-0.186	ug/l	N/A	5000	
Se	78	45	H2	0.105	ug/l	28.1	3000	
Sr	88	115	He	0.312	ug/l	15.9	5000	
Mo	95	115	He	0.313	ug/l	23.4	2000	
Ag	107	115	He	0.001	ug/l	217.8	1000	
Cd	111	115	He	0.005	ug/l	173.2	5000	
Sn	118	115	He	0.201	ug/l	124.2	2000	
Sb	121	115	He	0.026	ug/l	55.3	1000	
Ba	137	159	He	0.195	ug/l	37.5	20000	
Tl	205	209	He	-0.045	ug/l	N/A	1000	
[Pb]	206	209	He	0.023	ug/l	201.9		
[Pb]	207	209	He	0.011	ug/l	224.0		
Pb	208	209	He	0.024	ug/l	47.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8766118.34	0.5	93.1	60	125	
Sc (ISICPMS)	45	No Gas	6370754.63	0.3	91.4	60	125	
Sc (ISICPMS)	45	H2	2405873.63	0.5	90.7	60	125	
Sc (ISICPMS)	45	He	98837.57	1.3	92.0	60	125	
Ge (IS)	74	H2	464952.54	0.4	92.0	60	125	
Ge (IS)	74	He	53242.91	0.4	95.8	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	124178.02	1.0	99.5	60	125	
Tb (IS)	159	He	740929.59	2.1	100.2	60	125	
Bi (IS)	209	He	655876.02	2.3	100.0	60	125	

DRAFT

Sample Report

File Name 323SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 01:50:47

Sample Name **PDS 460-307164-I-1-A@20**

Comment ---

Dilution **1.0000**

Vial # 3405

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	24.243	ug/l	1.9	2000	
B	11	6	No Gas	624.983	ug/l	0.6	2000	
Na	23	45	He	349299.014	ug/l	1.0	500000	
Mg	24	45	He	43204.666	ug/l	0.9	500000	
Al	27	45	He	2440.129	ug/l	1.0	500000	
K	39	45	He	15363.235	ug/l	1.0	500000	
Ca	40	45	H2	16481.439	ug/l	1.2	1000000	
Ti	47	45	No Gas	48.664	ug/l	2.5	10000	
V	51	45	He	48.617	ug/l	0.6	5000	
Cr	52	45	He	47.688	ug/l	1.8	20000	
Mn	55	45	He	251.778	ug/l	0.5	20000	
Fe	56	45	H2	2562.734	ug/l	1.3	500000	
Co	59	45	He	24.089	ug/l	0.4	2000	
Ni	60	45	He	47.727	ug/l	0.1	20000	
Cu	63	45	He	48.118	ug/l	0.8	20000	
Zn	66	45	He	244.936	ug/l	0.6	20000	
As	75	45	He	52.799	ug/l	1.4	5000	
Se	78	45	H2	49.938	ug/l	0.9	3000	
Sr	88	115	He	292.175	ug/l	2.5	5000	
Mo	95	115	He	49.462	ug/l	2.4	2000	
Ag	107	115	He	22.144	ug/l	1.5	1000	
Cd	111	115	He	25.201	ug/l	2.0	5000	
Sn	118	115	He	51.014	ug/l	0.7	2000	
Sb	121	115	He	24.767	ug/l	1.7	1000	
Ba	137	159	He	52.209	ug/l	5.0	20000	
Tl	205	209	He	19.874	ug/l	0.7	1000	
[Pb]	206	209	He	25.797	ug/l	0.3		
[Pb]	207	209	He	24.891	ug/l	0.9		
Pb	208	209	He	25.211	ug/l	0.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8545362.37	1.0	90.8	60	125	
Sc (ISICPMS)	45	No Gas	6414387.26	0.9	92.0	60	125	
Sc (ISICPMS)	45	H2	2415529.72	0.2	91.0	60	125	
Sc (ISICPMS)	45	He	98126.31	0.8	91.4	60	125	
Ge (IS)	74	H2	471901.19	0.5	93.3	60	125	
Ge (IS)	74	He	54235.60	0.4	97.6	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	119280.44	1.1	95.5	60	125	
Tb (IS)	159	He	734033.52	0.8	99.3	60	125	
Bi (IS)	209	He	614771.73	1.3	93.7	60	125	

DRAFT

Sample Report

File Name 324SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 01:53:17

Sample Name **460-307164-I-1-C MS@20**

Comment ---

Dilution **1.0000**

Vial # 3406

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	1.209	ug/l	2.7	2000	
B	11	6	No Gas	177.411	ug/l	0.2	2000	
Na	23	45	He	333027.293	ug/l	1.0	500000	
Mg	24	45	He	39305.956	ug/l	1.4	500000	
Al	27	45	He	123.136	ug/l	4.0	500000	
K	39	45	He	12400.677	ug/l	1.0	500000	
Ca	40	45	H2	13319.611	ug/l	1.9	1000000	
Ti	47	45	No Gas	2.095	ug/l	2.1	10000	
V	51	45	He	1.992	ug/l	12.4	5000	
Cr	52	45	He	2.271	ug/l	4.8	20000	
Mn	55	45	He	17.440	ug/l	3.7	20000	
Fe	56	45	H2	137.689	ug/l	1.5	500000	
Co	59	45	He	1.186	ug/l	6.5	2000	
Ni	60	45	He	2.166	ug/l	7.4	20000	
Cu	63	45	He	2.612	ug/l	4.2	20000	
Zn	66	45	He	12.506	ug/l	4.3	20000	
As	75	45	He	2.606	ug/l	5.5	5000	
Se	78	45	H2	2.611	ug/l	14.4	3000	
Sr	88	115	He	236.746	ug/l	0.2	5000	
Mo	95	115	He	2.838	ug/l	12.4	2000	
Ag	107	115	He	1.190	ug/l	3.6	1000	
Cd	111	115	He	1.336	ug/l	11.1	5000	
Sn	118	115	He	2.873	ug/l	1.7	2000	
Sb	121	115	He	1.521	ug/l	1.9	1000	
Ba	137	159	He	3.791	ug/l	2.0	20000	
Tl	205	209	He	0.955	ug/l	5.1	1000	
[Pb]	206	209	He	1.455	ug/l	6.6		
[Pb]	207	209	He	1.374	ug/l	6.9		
Pb	208	209	He	1.396	ug/l	1.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8529954.04	0.9	90.6	60	125	
Sc (ISICPMS)	45	No Gas	6385373.38	0.3	91.6	60	125	
Sc (ISICPMS)	45	H2	2442096.14	1.3	92.0	60	125	
Sc (ISICPMS)	45	He	99440.83	0.7	92.6	60	125	
Ge (IS)	74	H2	480228.62	0.6	95.0	60	125	
Ge (IS)	74	He	54518.11	1.9	98.1	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	119471.70	0.7	95.7	60	125	
Tb (IS)	159	He	736586.41	0.3	99.6	60	125	
Bi (IS)	209	He	618497.18	0.9	94.3	60	125	

DRAFT

Sample Report

File Name 325SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 01:55:47

Sample Name **460-307164-I-1-B DU@20**

Comment ---

Dilution **1.0000**

Vial # 3407

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.002	ug/l	84.3	2000	
B	11	6	No Gas	152.412	ug/l	0.6	2000	
Na	23	45	He	338804.309	ug/l	0.7	500000	
Mg	24	45	He	40336.773	ug/l	1.7	500000	
Al	27	45	He	6.771	ug/l	23.4	500000	
K	39	45	He	12699.013	ug/l	1.6	500000	
Ca	40	45	H2	13608.142	ug/l	1.6	1000000	
Ti	47	45	No Gas	-0.542	ug/l	N/A	10000	
V	51	45	He	-0.369	ug/l	N/A	5000	
Cr	52	45	He	0.025	ug/l	661.4	20000	
Mn	55	45	He	5.579	ug/l	5.4	20000	
Fe	56	45	H2	19.734	ug/l	5.1	500000	
Co	59	45	He	0.008	ug/l	50.9	2000	
Ni	60	45	He	-0.200	ug/l	N/A	20000	
Cu	63	45	He	0.255	ug/l	18.9	20000	
Zn	66	45	He	0.616	ug/l	40.1	20000	
As	75	45	He	-0.036	ug/l	N/A	5000	
Se	78	45	H2	0.086	ug/l	38.5	3000	
Sr	88	115	He	244.131	ug/l	0.9	5000	
Mo	95	115	He	0.488	ug/l	15.1	2000	
Ag	107	115	He	0.006	ug/l	19.2	1000	
Cd	111	115	He	0.006	ug/l	173.2	5000	
Sn	118	115	He	0.361	ug/l	77.9	2000	
Sb	121	115	He	0.052	ug/l	89.8	1000	
Ba	137	159	He	1.550	ug/l	12.3	20000	
Tl	205	209	He	-0.048	ug/l	N/A	1000	
[Pb]	206	209	He	0.099	ug/l	7.7		
[Pb]	207	209	He	0.100	ug/l	21.0		
Pb	208	209	He	0.109	ug/l	14.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8553759.52	0.4	90.9	60	125	
Sc (ISICPMS)	45	No Gas	6396017.06	0.8	91.8	60	125	
Sc (ISICPMS)	45	H2	2401070.04	0.7	90.5	60	125	
Sc (ISICPMS)	45	He	98404.98	0.8	91.6	60	125	
Ge (IS)	74	H2	469597.32	0.3	92.9	60	125	
Ge (IS)	74	He	53803.89	1.1	96.8	60	125	
Kr	83	He	6.67	86.6	200.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	117014.06	1.4	93.7	60	125	
Tb (IS)	159	He	724411.12	1.1	98.0	60	125	
Bi (IS)	209	He	612286.02	0.7	93.3	60	125	

DRAFT

Sample Report

File Name 326SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 01:58:18

Sample Name **460-307164-I-1-A@20**

Comment ---

Dilution **1.0000**

Vial # 3408

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.003	ug/l	97.7	2000	
B	11	6	No Gas	149.776	ug/l	1.2	2000	
Na	23	45	He	333785.054	ug/l	1.1	500000	
Mg	24	45	He	39468.488	ug/l	1.2	500000	
Al	27	45	He	12.950	ug/l	38.9	500000	
K	39	45	He	12418.595	ug/l	1.1	500000	
Ca	40	45	H2	13298.456	ug/l	0.7	1000000	
Ti	47	45	No Gas	-0.466	ug/l	N/A	10000	
V	51	45	He	-0.334	ug/l	N/A	5000	
Cr	52	45	He	-0.111	ug/l	N/A	20000	
Mn	55	45	He	5.446	ug/l	10.2	20000	
Fe	56	45	H2	14.919	ug/l	3.4	500000	
Co	59	45	He	0.003	ug/l	326.8	2000	
Ni	60	45	He	-0.213	ug/l	N/A	20000	
Cu	63	45	He	0.312	ug/l	9.9	20000	
Zn	66	45	He	0.595	ug/l	48.4	20000	
As	75	45	He	-0.034	ug/l	N/A	5000	
Se	78	45	H2	0.017	ug/l	303.1	3000	
Sr	88	115	He	237.235	ug/l	1.7	5000	
Mo	95	115	He	0.481	ug/l	26.3	2000	
Ag	107	115	He	0.006	ug/l	124.5	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	0.380	ug/l	71.0	2000	
Sb	121	115	He	0.041	ug/l	120.4	1000	
Ba	137	159	He	1.368	ug/l	8.8	20000	
Tl	205	209	He	-0.049	ug/l	N/A	1000	
[Pb]	206	209	He	0.107	ug/l	33.2		
[Pb]	207	209	He	0.073	ug/l	15.5		
Pb	208	209	He	0.100	ug/l	12.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8576794.39	0.7	91.1	60	125	
Sc (ISICPMS)	45	No Gas	6388326.02	1.4	91.7	60	125	
Sc (ISICPMS)	45	H2	2426489.69	0.3	91.4	60	125	
Sc (ISICPMS)	45	He	97699.83	1.1	91.0	60	125	
Ge (IS)	74	H2	474098.77	0.5	93.8	60	125	
Ge (IS)	74	He	53066.63	1.5	95.5	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	117168.51	1.2	93.8	60	125	
Tb (IS)	159	He	720202.00	0.4	97.4	60	125	
Bi (IS)	209	He	608099.75	1.0	92.7	60	125	

DRAFT

Sample Report

File Name 327SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 02:00:47

Sample Name **SD 460-307164-I-1-A@100**

Comment ---

Dilution **1.0000**

Vial # 3409

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.005	ug/l	49.6	2000	
B	11	6	No Gas	36.890	ug/l	1.0	2000	
Na	23	45	He	70899.195	ug/l	0.5	500000	
Mg	24	45	He	8402.619	ug/l	0.7	500000	
Al	27	45	He	2.968	ug/l	48.6	500000	
K	39	45	He	2613.469	ug/l	1.2	500000	
Ca	40	45	H2	2802.090	ug/l	1.8	1000000	
Ti	47	45	No Gas	-0.199	ug/l	N/A	10000	
V	51	45	He	-0.464	ug/l	N/A	5000	
Cr	52	45	He	-0.073	ug/l	N/A	20000	
Mn	55	45	He	2.269	ug/l	5.2	20000	
Fe	56	45	H2	6.904	ug/l	5.3	500000	
Co	59	45	He	-0.007	ug/l	N/A	2000	
Ni	60	45	He	-0.200	ug/l	N/A	20000	
Cu	63	45	He	0.154	ug/l	23.2	20000	
Zn	66	45	He	0.008	ug/l	3077.8	20000	
As	75	45	He	-0.110	ug/l	N/A	5000	
Se	78	45	H2	-0.002	ug/l	N/A	3000	
Sr	88	115	He	48.275	ug/l	3.6	5000	
Mo	95	115	He	0.147	ug/l	25.9	2000	
Ag	107	115	He	0.018	ug/l	60.0	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	0.131	ug/l	177.0	2000	
Sb	121	115	He	0.034	ug/l	124.9	1000	
Ba	137	159	He	0.342	ug/l	16.9	20000	
Tl	205	209	He	-0.050	ug/l	N/A	1000	
[Pb]	206	209	He	0.056	ug/l	84.0		
[Pb]	207	209	He	0.042	ug/l	42.8		
Pb	208	209	He	0.061	ug/l	26.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8642779.59	0.2	91.8	60	125	
Sc (ISICPMS)	45	No Gas	6373025.04	1.3	91.4	60	125	
Sc (ISICPMS)	45	H2	2378944.79	0.5	89.7	60	125	
Sc (ISICPMS)	45	He	96184.75	0.6	89.6	60	125	
Ge (IS)	74	H2	460954.38	0.6	91.2	60	125	
Ge (IS)	74	He	52229.05	0.9	94.0	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	119314.84	0.8	95.6	60	125	
Tb (IS)	159	He	727346.07	0.4	98.4	60	125	
Bi (IS)	209	He	632986.87	0.7	96.5	60	125	

DRAFT

Sample Report

File Name 328SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 02:03:17

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.001	ug/l	99.8	2000	
B	11	6	No Gas	6.769	ug/l	0.4	2000	
Na	23	45	He	477.066	ug/l	2.3	500000	
Mg	24	45	He	5.852	ug/l	15.0	500000	
Al	27	45	He	0.557	ug/l	267.8	500000	
K	39	45	He	13.159	ug/l	55.4	500000	
Ca	40	45	H2	20.798	ug/l	1.1	1000000	
Ti	47	45	No Gas	-0.822	ug/l	N/A	10000	
V	51	45	He	-0.587	ug/l	N/A	5000	
Cr	52	45	He	-0.531	ug/l	N/A	20000	
Mn	55	45	He	1.473	ug/l	5.2	20000	
Fe	56	45	H2	2.718	ug/l	7.7	500000	
Co	59	45	He	-0.013	ug/l	N/A	2000	
Ni	60	45	He	-0.350	ug/l	N/A	20000	
Cu	63	45	He	0.151	ug/l	49.8	20000	
Zn	66	45	He	-0.069	ug/l	N/A	20000	
As	75	45	He	-0.232	ug/l	N/A	5000	
Se	78	45	H2	-0.031	ug/l	N/A	3000	
Sr	88	115	He	0.051	ug/l	99.4	5000	
Mo	95	115	He	0.050	ug/l	16.3	2000	
Ag	107	115	He	0.000	ug/l	721.0	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	0.144	ug/l	140.5	2000	
Sb	121	115	He	0.000	ug/l	N/A	1000	
Ba	137	159	He	0.132	ug/l	109.2	20000	
Tl	205	209	He	-0.048	ug/l	N/A	1000	
[Pb]	206	209	He	0.023	ug/l	60.1		
[Pb]	207	209	He	0.005	ug/l	145.7		
Pb	208	209	He	0.022	ug/l	36.1	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8656747.93	1.1	92.0	60	125	
Sc (ISICPMS)	45	No Gas	6321065.19	1.2	90.7	60	125	
Sc (ISICPMS)	45	H2	2399341.96	0.5	90.4	60	125	
Sc (ISICPMS)	45	He	98109.28	1.3	91.4	60	125	
Ge (IS)	74	H2	457689.37	0.5	90.5	60	125	
Ge (IS)	74	He	52600.40	0.7	94.7	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	121775.36	0.2	97.5	60	125	
Tb (IS)	159	He	734049.90	0.6	99.3	60	125	
Bi (IS)	209	He	649955.68	0.5	99.1	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 329_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 02:05:46

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	98.630	ug/l	0.8	100	90	110	
B	11	6	No Gas	248.029	ug/l	1.3	250	225	275	
Na	23	45	He	25921.159	ug/l	1.2	25000	22500	27500	
Mg	24	45	He	25554.363	ug/l	1.4	25000	22500	27500	
Al	27	45	He	25124.863	ug/l	0.9	25000	22500	27500	
K	39	45	He	25869.961	ug/l	1.0	25000	22500	27500	
Ca	40	45	H2	25881.768	ug/l	0.9	25000	22500	27500	
Ti	47	45	No Gas	100.345	ug/l	2.2	100	90	110	
V	51	45	He	100.497	ug/l	0.1	100	90	110	
Cr	52	45	He	100.138	ug/l	0.4	100	90	110	
Mn	55	45	He	103.095	ug/l	1.8	100	90	110	
Fe	56	45	H2	26107.660	ug/l	1.0	25000	22500	27500	
Co	59	45	He	100.988	ug/l	1.0	100	90	110	
Ni	60	45	He	98.589	ug/l	0.6	100	90	110	
Cu	63	45	He	100.750	ug/l	0.8	100	90	110	
Zn	66	45	He	254.993	ug/l	0.9	250	225	275	
As	75	45	He	101.499	ug/l	4.1	100	90	110	
Se	78	45	H2	103.567	ug/l	1.1	100	90	110	
Sr	88	115	He	99.388	ug/l	2.0	100	90	110	
Mo	95	115	He	98.533	ug/l	1.8	100	90	110	
Ag	107	115	He	49.664	ug/l	0.8	50	45	55	
Cd	111	115	He	101.152	ug/l	3.9	100	90	110	
Sn	118	115	He	102.371	ug/l	1.5	100	90	110	
Sb	121	115	He	101.652	ug/l	0.9	100	90	110	
Ba	137	159	He	103.356	ug/l	0.2	100	90	110	
Tl	205	209	He	101.359	ug/l	0.4	100	90	110	
[Pb]	206	209	He	100.971	ug/l	1.3				
[Pb]	207	209	He	101.353	ug/l	0.4				
Pb	208	209	He	101.444	ug/l	1.2	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	8423600.57	0.1	89.5	60	125	
Sc (ISICPMS)	45	No Gas	6184671.30	0.8	88.7	60	125	
Sc (ISICPMS)	45	H2	2340266.86	0.8	88.2	60	125	
Sc (ISICPMS)	45	He	94213.67	0.4	87.7	60	125	
Ge (IS)	74	H2	460923.01	1.2	91.2	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	52479.01	0.3	94.4	60	125	
Kr	83	He	6.67	173.2	200.0			
In-1	115	He	117024.45	0.6	93.7	60	125	
Tb (IS)	159	He	714312.67	0.4	96.6	60	125	
Bi (IS)	209	He	621230.62	0.9	94.7	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 330_Blk.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 02:08:16

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.009	ug/l	27.3	0.8	-0.8	0.8	
B	11	6	No Gas	7.455	ug/l	3.3	40	-40	40	
Na	23	45	He	424.094	ug/l	0.6	500	-500	500	
Mg	24	45	He	14.650	ug/l	7.5	200	-200	200	
Al	27	45	He	2.166	ug/l	77.6	40	-40	40	
K	39	45	He	5.892	ug/l	176.9	200	-200	200	
Ca	40	45	H2	114.209	ug/l	0.2	500	-500	500	
Ti	47	45	No Gas	-0.047	ug/l	N/A	4	-4	4	
V	51	45	He	-0.567	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.269	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.886	ug/l	18.7	8	-8	8	
Fe	56	45	H2	6.844	ug/l	4.7	60	-60	60	
Co	59	45	He	0.032	ug/l	78.2	4	-4	4	
Ni	60	45	He	-0.215	ug/l	N/A	4	-4	4	
Cu	63	45	He	-0.003	ug/l	N/A	4	-4	4	
Zn	66	45	He	0.262	ug/l	59.7	16	-16	16	
As	75	45	He	-0.091	ug/l	N/A	2	-2	2	
Se	78	45	H2	0.205	ug/l	22.7	2.5	-2.5	2.5	
Sr	88	115	He	0.186	ug/l	12.4	4	-4	4	
Mo	95	115	He	0.105	ug/l	32.5	4	-4	4	
Ag	107	115	He	0.005	ug/l	89.2	2	-2	2	
Cd	111	115	He	0.000	ug/l	N/A	2	-2	2	
Sn	118	115	He	0.324	ug/l	27.6	16	-16	16	
Sb	121	115	He	0.043	ug/l	112.0	2	-2	2	
Ba	137	159	He	0.134	ug/l	43.3	4	-4	4	
Tl	205	209	He	-0.027	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.072	ug/l	32.1				
[Pb]	207	209	He	0.053	ug/l	39.1				
Pb	208	209	He	0.076	ug/l	5.9	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	8587276.68	0.7	91.2	60	125	
Sc (ISICPMS)	45	No Gas	6384645.74	0.8	91.6	60	125	
Sc (ISICPMS)	45	H2	2385625.36	0.5	89.9	60	125	
Sc (ISICPMS)	45	He	95685.72	1.3	89.1	60	125	
Ge (IS)	74	H2	461761.86	0.5	91.3	60	125	
Ge (IS)	74	He	51979.07	0.4	93.5	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	120562.63	1.1	96.6	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	727875.10	0.7	98.5	60	125	
Bi (IS)	209	He	644652.15	1.5	98.3	60	125	

DRAFT

Sample Report

File Name 331SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 02:21:46

Sample Name **460-307165-L-1-A**

Comment ---

Dilution **1.0000**

Vial # 3402

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.518	ug/l	1.5	2000	
B	11	6	No Gas	76.901	ug/l	1.0	2000	
Na	23	45	He	75972.568	ug/l	1.1	500000	
Mg	24	45	He	10248.578	ug/l	1.8	500000	
Al	27	45	He	4798.284	ug/l	2.2	500000	
K	39	45	He	4278.148	ug/l	1.1	500000	
Ca	40	45	H2	20844.906	ug/l	1.7	1000000	
Ti	47	45	No Gas	1.192	ug/l	19.2	10000	
V	51	45	He	-0.745	ug/l	N/A	5000	
Cr	52	45	He	-0.368	ug/l	N/A	20000	
Mn	55	45	He	416.794	ug/l	1.7	20000	
Fe	56	45	H2	10738.362	ug/l	1.9	500000	
Co	59	45	He	27.385	ug/l	1.8	2000	
Ni	60	45	He	19.828	ug/l	1.8	20000	
Cu	63	45	He	6.045	ug/l	3.2	20000	
Zn	66	45	He	110.455	ug/l	2.9	20000	
As	75	45	He	1.240	ug/l	50.2	5000	
Se	78	45	H2	1.212	ug/l	16.9	3000	
Sr	88	115	He	132.671	ug/l	1.5	5000	
Mo	95	115	He	0.111	ug/l	62.6	2000	
Ag	107	115	He	0.025	ug/l	28.6	1000	
Cd	111	115	He	0.374	ug/l	5.1	5000	
Sn	118	115	He	14.061	ug/l	4.1	2000	
Sb	121	115	He	0.031	ug/l	98.0	1000	
Ba	137	159	He	53.211	ug/l	1.6	20000	
Tl	205	209	He	0.529	ug/l	3.2	1000	
[Pb]	206	209	He	1.470	ug/l	1.0		
[Pb]	207	209	He	1.308	ug/l	2.3		
Pb	208	209	He	1.386	ug/l	1.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8535096.61	0.1	90.7	60	125	
Sc (ISICPMS)	45	No Gas	6473328.51	0.1	92.9	60	125	
Sc (ISICPMS)	45	H2	2397363.46	0.6	90.3	60	125	
Sc (ISICPMS)	45	He	94489.24	0.9	88.0	60	125	
Ge (IS)	74	H2	470984.55	0.3	93.2	60	125	
Ge (IS)	74	He	52648.42	0.1	94.7	60	125	
Kr	83	He	6.67	86.6	200.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	114132.32	0.7	91.4	60	125	
Tb (IS)	159	He	707473.05	1.6	95.7	60	125	
Bi (IS)	209	He	618893.71	2.0	94.3	60	125	

DRAFT

Sample Report

File Name 332SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 02:24:17

Sample Name **460-306833-A-1-A**

Comment ---

Dilution **1.0000**

Vial # 3403

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.013	ug/l	22.8	2000	
B	11	6	No Gas	115.876	ug/l	2.0	2000	
Na	23	45	He	145422.813	ug/l	0.6	500000	
Mg	24	45	He	27800.052	ug/l	1.1	500000	
Al	27	45	He	19.007	ug/l	6.7	500000	
K	39	45	He	3533.982	ug/l	2.0	500000	
Ca	40	45	H2	125879.751	ug/l	1.7	1000000	
Ti	47	45	No Gas	0.877	ug/l	55.2	10000	
V	51	45	He	-0.561	ug/l	N/A	5000	
Cr	52	45	He	-0.694	ug/l	N/A	20000	
Mn	55	45	He	8713.736	ug/l	1.6	20000	
Fe	56	45	H2	3286.651	ug/l	1.5	500000	
Co	59	45	He	0.218	ug/l	12.7	2000	
Ni	60	45	He	1.370	ug/l	11.7	20000	
Cu	63	45	He	1.759	ug/l	6.9	20000	
Zn	66	45	He	2.795	ug/l	13.0	20000	
As	75	45	He	1.052	ug/l	24.3	5000	
Se	78	45	H2	0.067	ug/l	51.1	3000	
Sr	88	115	He	454.750	ug/l	0.6	5000	
Mo	95	115	He	0.879	ug/l	12.6	2000	
Ag	107	115	He	0.013	ug/l	19.6	1000	
Cd	111	115	He	0.012	ug/l	86.6	5000	
Sn	118	115	He	0.045	ug/l	494.8	2000	
Sb	121	115	He	0.010	ug/l	224.2	1000	
Ba	137	159	He	598.102	ug/l	1.1	20000	
Tl	205	209	He	-0.045	ug/l	N/A	1000	
[Pb]	206	209	He	1.332	ug/l	1.9		
[Pb]	207	209	He	1.314	ug/l	5.3		
Pb	208	209	He	1.326	ug/l	0.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8380626.13	0.8	89.0	60	125	
Sc (ISICPMS)	45	No Gas	6325005.18	0.9	90.8	60	125	
Sc (ISICPMS)	45	H2	2382938.56	0.8	89.8	60	125	
Sc (ISICPMS)	45	He	94290.30	0.3	87.8	60	125	
Ge (IS)	74	H2	465669.77	0.9	92.1	60	125	
Ge (IS)	74	He	52110.68	2.4	93.8	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	115441.23	1.9	92.5	60	125	
Tb (IS)	159	He	710713.99	1.2	96.1	60	125	
Bi (IS)	209	He	613264.04	2.0	93.5	60	125	

DRAFT

Sample Report

File Name 333SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 02:26:47

Sample Name **460-306833-A-1-B MS**

Comment ---

Dilution **1.0000**

Vial # 3404

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	24.205	ug/l	2.1	2000	
B	11	6	No Gas	578.567	ug/l	1.6	2000	
Na	23	45	He	140672.166	ug/l	1.2	500000	
Mg	24	45	He	28916.656	ug/l	0.7	500000	
Al	27	45	He	2530.227	ug/l	1.1	500000	
K	39	45	He	5944.518	ug/l	0.8	500000	
Ca	40	45	H2	121393.223	ug/l	2.0	1000000	
Ti	47	45	No Gas	49.944	ug/l	2.1	10000	
V	51	45	He	48.802	ug/l	0.4	5000	
Cr	52	45	He	47.839	ug/l	0.7	20000	
Mn	55	45	He	8470.695	ug/l	0.7	20000	
Fe	56	45	H2	5674.136	ug/l	1.5	500000	
Co	59	45	He	24.812	ug/l	1.9	2000	
Ni	60	45	He	49.414	ug/l	0.2	20000	
Cu	63	45	He	50.821	ug/l	0.6	20000	
Zn	66	45	He	251.594	ug/l	0.3	20000	
As	75	45	He	51.494	ug/l	2.5	5000	
Se	78	45	H2	50.443	ug/l	2.9	3000	
Sr	88	115	He	481.232	ug/l	1.2	5000	
Mo	95	115	He	47.351	ug/l	0.8	2000	
Ag	107	115	He	24.047	ug/l	1.1	1000	
Cd	111	115	He	25.220	ug/l	3.4	5000	
Sn	118	115	He	49.436	ug/l	2.0	2000	
Sb	121	115	He	25.478	ug/l	1.2	1000	
Ba	137	159	He	613.489	ug/l	0.1	20000	
Tl	205	209	He	19.579	ug/l	1.3	1000	
[Pb]	206	209	He	26.386	ug/l	0.7		
[Pb]	207	209	He	26.286	ug/l	0.6		
Pb	208	209	He	26.250	ug/l	0.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8376034.87	0.5	89.0	60	125	
Sc (ISICPMS)	45	No Gas	6299578.86	0.9	90.4	60	125	
Sc (ISICPMS)	45	H2	2372451.93	0.4	89.4	60	125	
Sc (ISICPMS)	45	He	93795.48	0.7	87.3	60	125	
Ge (IS)	74	H2	459402.83	0.6	90.9	60	125	
Ge (IS)	74	He	51414.71	0.5	92.5	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	115152.99	0.8	92.2	60	125	
Tb (IS)	159	He	708760.20	0.8	95.9	60	125	
Bi (IS)	209	He	614903.04	0.9	93.7	60	125	

DRAFT

Sample Report

File Name 334SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 02:29:18

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.006	ug/l	50.9	2000	
B	11	6	No Gas	10.818	ug/l	2.3	2000	
Na	23	45	He	279.977	ug/l	0.7	500000	
Mg	24	45	He	2.310	ug/l	15.9	500000	
Al	27	45	He	0.020	ug/l	5301.7	500000	
K	39	45	He	16.715	ug/l	84.7	500000	
Ca	40	45	H2	21.461	ug/l	1.8	1000000	
Ti	47	45	No Gas	-0.638	ug/l	N/A	10000	
V	51	45	He	-0.723	ug/l	N/A	5000	
Cr	52	45	He	-0.459	ug/l	N/A	20000	
Mn	55	45	He	2.894	ug/l	8.0	20000	
Fe	56	45	H2	5.324	ug/l	6.4	500000	
Co	59	45	He	0.004	ug/l	330.2	2000	
Ni	60	45	He	-0.169	ug/l	N/A	20000	
Cu	63	45	He	0.037	ug/l	65.7	20000	
Zn	66	45	He	-0.389	ug/l	N/A	20000	
As	75	45	He	-0.098	ug/l	N/A	5000	
Se	78	45	H2	0.110	ug/l	54.7	3000	
Sr	88	115	He	0.116	ug/l	68.3	5000	
Mo	95	115	He	0.294	ug/l	15.3	2000	
Ag	107	115	He	0.001	ug/l	183.1	1000	
Cd	111	115	He	0.006	ug/l	173.2	5000	
Sn	118	115	He	0.481	ug/l	21.8	2000	
Sb	121	115	He	0.016	ug/l	132.4	1000	
Ba	137	159	He	0.103	ug/l	87.4	20000	
Tl	205	209	He	-0.050	ug/l	N/A	1000	
[Pb]	206	209	He	0.008	ug/l	341.3		
[Pb]	207	209	He	-0.010	ug/l	N/A		
Pb	208	209	He	0.017	ug/l	50.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8334930.50	0.3	88.5	60	125	
Sc (ISICPMS)	45	No Gas	6176287.13	0.4	88.6	60	125	
Sc (ISICPMS)	45	H2	2343808.63	0.1	88.3	60	125	
Sc (ISICPMS)	45	He	93148.85	0.4	86.7	60	125	
Ge (IS)	74	H2	448244.12	0.1	88.7	60	125	
Ge (IS)	74	He	49849.01	0.4	89.7	60	125	
Kr	83	He	10.01	100.0	300.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	115507.86	0.3	92.5	60	125	
Tb (IS)	159	He	701269.56	1.1	94.9	60	125	
Bi (IS)	209	He	627287.43	1.3	95.6	60	125	

DRAFT

Sample Report

File Name 335SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 02:31:48

Sample Name **PDS 460-307164-I-1-A@20**

Comment ---

Dilution **1.0000**

Vial # 3405

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	24.481	ug/l	1.8	2000	
B	11	6	No Gas	630.230	ug/l	0.1	2000	
Na	23	45	He	350943.314	ug/l	0.7	500000	
Mg	24	45	He	43525.117	ug/l	2.0	500000	
Al	27	45	He	2445.261	ug/l	0.4	500000	
K	39	45	He	15238.701	ug/l	1.8	500000	
Ca	40	45	H2	16204.175	ug/l	2.8	1000000	
Ti	47	45	No Gas	48.898	ug/l	1.4	10000	
V	51	45	He	48.394	ug/l	1.4	5000	
Cr	52	45	He	47.921	ug/l	1.2	20000	
Mn	55	45	He	247.847	ug/l	1.3	20000	
Fe	56	45	H2	2532.264	ug/l	2.7	500000	
Co	59	45	He	24.499	ug/l	1.6	2000	
Ni	60	45	He	46.945	ug/l	1.7	20000	
Cu	63	45	He	48.537	ug/l	1.5	20000	
Zn	66	45	He	246.335	ug/l	0.8	20000	
As	75	45	He	49.932	ug/l	3.7	5000	
Se	78	45	H2	50.969	ug/l	2.3	3000	
Sr	88	115	He	291.624	ug/l	1.5	5000	
Mo	95	115	He	50.016	ug/l	1.4	2000	
Ag	107	115	He	22.583	ug/l	1.2	1000	
Cd	111	115	He	25.178	ug/l	2.6	5000	
Sn	118	115	He	51.316	ug/l	2.7	2000	
Sb	121	115	He	25.386	ug/l	1.8	1000	
Ba	137	159	He	50.971	ug/l	1.1	20000	
Tl	205	209	He	19.929	ug/l	0.4	1000	
[Pb]	206	209	He	25.784	ug/l	0.8		
[Pb]	207	209	He	24.946	ug/l	1.7		
Pb	208	209	He	25.365	ug/l	0.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8162200.09	0.4	86.7	60	125	
Sc (ISICPMS)	45	No Gas	6178875.81	0.3	88.7	60	125	
Sc (ISICPMS)	45	H2	2299117.05	0.6	86.6	60	125	
Sc (ISICPMS)	45	He	93085.22	0.8	86.7	60	125	
Ge (IS)	74	H2	447537.04	0.7	88.5	60	125	
Ge (IS)	74	He	50945.20	0.5	91.7	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	111240.68	0.8	89.1	60	125	
Tb (IS)	159	He	690317.78	1.1	93.4	60	125	
Bi (IS)	209	He	585223.26	0.6	89.2	60	125	

DRAFT

Sample Report

File Name 336SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 02:34:18

Sample Name **460-307164-I-1-C MS@20**

Comment ---

Dilution **1.0000**

Vial # 3406

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	1.216	ug/l	2.7	2000	
B	11	6	No Gas	174.343	ug/l	1.5	2000	
Na	23	45	He	340393.886	ug/l	0.3	500000	
Mg	24	45	He	40460.184	ug/l	1.0	500000	
Al	27	45	He	118.711	ug/l	4.5	500000	
K	39	45	He	12637.519	ug/l	0.6	500000	
Ca	40	45	H2	13338.676	ug/l	0.9	1000000	
Ti	47	45	No Gas	2.382	ug/l	4.6	10000	
V	51	45	He	1.945	ug/l	4.4	5000	
Cr	52	45	He	2.453	ug/l	10.9	20000	
Mn	55	45	He	18.086	ug/l	0.8	20000	
Fe	56	45	H2	139.015	ug/l	1.0	500000	
Co	59	45	He	1.210	ug/l	6.0	2000	
Ni	60	45	He	2.253	ug/l	15.3	20000	
Cu	63	45	He	2.518	ug/l	3.1	20000	
Zn	66	45	He	12.481	ug/l	5.0	20000	
As	75	45	He	2.393	ug/l	0.8	5000	
Se	78	45	H2	2.812	ug/l	10.4	3000	
Sr	88	115	He	236.377	ug/l	1.4	5000	
Mo	95	115	He	2.915	ug/l	6.6	2000	
Ag	107	115	He	1.271	ug/l	4.8	1000	
Cd	111	115	He	1.290	ug/l	7.4	5000	
Sn	118	115	He	2.854	ug/l	11.7	2000	
Sb	121	115	He	1.270	ug/l	10.4	1000	
Ba	137	159	He	3.482	ug/l	5.7	20000	
Tl	205	209	He	0.931	ug/l	3.0	1000	
[Pb]	206	209	He	1.358	ug/l	1.7		
[Pb]	207	209	He	1.379	ug/l	5.1		
Pb	208	209	He	1.358	ug/l	0.3	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8168148.07	1.0	86.8	60	125	
Sc (ISICPMS)	45	No Gas	6146483.24	1.2	88.2	60	125	
Sc (ISICPMS)	45	H2	2279775.09	1.1	85.9	60	125	
Sc (ISICPMS)	45	He	91058.26	0.6	84.8	60	125	
Ge (IS)	74	H2	445581.94	0.6	88.1	60	125	
Ge (IS)	74	He	51090.32	1.0	91.9	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	111249.46	1.8	89.1	60	125	
Tb (IS)	159	He	686899.57	1.1	92.9	60	125	
Bi (IS)	209	He	583144.44	1.0	88.9	60	125	

DRAFT

Sample Report

File Name 337SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 02:36:48

Sample Name **460-307164-I-1-B DU@20**

Comment ---

Dilution **1.0000**

Vial # 3407

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.005	ug/l	38.8	2000	
B	11	6	No Gas	152.198	ug/l	0.3	2000	
Na	23	45	He	349587.712	ug/l	0.9	500000	
Mg	24	45	He	41124.936	ug/l	1.2	500000	
Al	27	45	He	4.500	ug/l	62.0	500000	
K	39	45	He	12777.974	ug/l	0.9	500000	
Ca	40	45	H2	13653.355	ug/l	1.7	1000000	
Ti	47	45	No Gas	-0.151	ug/l	N/A	10000	
V	51	45	He	-0.549	ug/l	N/A	5000	
Cr	52	45	He	-0.055	ug/l	N/A	20000	
Mn	55	45	He	6.023	ug/l	2.5	20000	
Fe	56	45	H2	20.183	ug/l	2.2	500000	
Co	59	45	He	0.023	ug/l	85.8	2000	
Ni	60	45	He	-0.139	ug/l	N/A	20000	
Cu	63	45	He	0.225	ug/l	13.1	20000	
Zn	66	45	He	0.713	ug/l	59.2	20000	
As	75	45	He	-0.250	ug/l	N/A	5000	
Se	78	45	H2	0.021	ug/l	252.8	3000	
Sr	88	115	He	239.156	ug/l	2.4	5000	
Mo	95	115	He	0.438	ug/l	3.8	2000	
Ag	107	115	He	0.003	ug/l	124.1	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	0.243	ug/l	26.0	2000	
Sb	121	115	He	0.065	ug/l	3.9	1000	
Ba	137	159	He	1.365	ug/l	6.3	20000	
Tl	205	209	He	-0.046	ug/l	N/A	1000	
[Pb]	206	209	He	0.101	ug/l	34.4		
[Pb]	207	209	He	0.080	ug/l	26.6		
Pb	208	209	He	0.107	ug/l	11.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8170418.63	0.2	86.8	60	125	
Sc (ISICPMS)	45	No Gas	6216194.42	0.9	89.2	60	125	
Sc (ISICPMS)	45	H2	2313529.90	0.3	87.2	60	125	
Sc (ISICPMS)	45	He	91394.74	0.8	85.1	60	125	
Ge (IS)	74	H2	453575.04	0.8	89.7	60	125	
Ge (IS)	74	He	51002.06	0.5	91.8	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	111726.52	1.7	89.5	60	125	
Tb (IS)	159	He	688387.62	0.7	93.1	60	125	
Bi (IS)	209	He	586023.61	0.9	89.3	60	125	

DRAFT

Sample Report

File Name 338SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 02:39:18

Sample Name **460-307164-I-1-A@20**

Comment ---

Dilution **1.0000**

Vial # 3408

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.004	ug/l	114.5	2000	
B	11	6	No Gas	145.668	ug/l	0.6	2000	
Na	23	45	He	336914.340	ug/l	0.8	500000	
Mg	24	45	He	39666.377	ug/l	0.8	500000	
Al	27	45	He	7.200	ug/l	29.4	500000	
K	39	45	He	12235.216	ug/l	0.6	500000	
Ca	40	45	H2	13317.396	ug/l	1.2	1000000	
Ti	47	45	No Gas	-0.285	ug/l	N/A	10000	
V	51	45	He	-0.462	ug/l	N/A	5000	
Cr	52	45	He	-0.072	ug/l	N/A	20000	
Mn	55	45	He	5.650	ug/l	2.8	20000	
Fe	56	45	H2	15.799	ug/l	2.9	500000	
Co	59	45	He	-0.001	ug/l	N/A	2000	
Ni	60	45	He	-0.131	ug/l	N/A	20000	
Cu	63	45	He	0.219	ug/l	4.4	20000	
Zn	66	45	He	0.471	ug/l	70.0	20000	
As	75	45	He	-0.258	ug/l	N/A	5000	
Se	78	45	H2	-0.030	ug/l	N/A	3000	
Sr	88	115	He	233.591	ug/l	1.2	5000	
Mo	95	115	He	0.421	ug/l	18.9	2000	
Ag	107	115	He	0.004	ug/l	107.2	1000	
Cd	111	115	He	0.006	ug/l	173.2	5000	
Sn	118	115	He	0.291	ug/l	97.8	2000	
Sb	121	115	He	0.016	ug/l	259.5	1000	
Ba	137	159	He	1.425	ug/l	8.3	20000	
Tl	205	209	He	-0.048	ug/l	N/A	1000	
[Pb]	206	209	He	0.118	ug/l	19.9		
[Pb]	207	209	He	0.079	ug/l	31.8		
Pb	208	209	He	0.101	ug/l	6.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8213302.24	1.4	87.2	60	125	
Sc (ISICPMS)	45	No Gas	6213434.07	0.9	89.2	60	125	
Sc (ISICPMS)	45	H2	2330409.46	0.5	87.8	60	125	
Sc (ISICPMS)	45	He	94428.49	0.6	87.9	60	125	
Ge (IS)	74	H2	454622.69	0.1	89.9	60	125	
Ge (IS)	74	He	51536.28	1.1	92.7	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	112441.23	2.0	90.1	60	125	
Tb (IS)	159	He	697248.45	1.0	94.3	60	125	
Bi (IS)	209	He	590864.45	0.5	90.1	60	125	

DRAFT

Sample Report

File Name 339SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 02:41:47

Sample Name **SD 460-307164-I-1-A@100**

Comment ---

Dilution **1.0000**

Vial # 3409

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.005	ug/l	23.1	2000	
B	11	6	No Gas	34.761	ug/l	0.8	2000	
Na	23	45	He	71548.763	ug/l	1.6	500000	
Mg	24	45	He	8479.043	ug/l	0.7	500000	
Al	27	45	He	4.632	ug/l	20.8	500000	
K	39	45	He	2619.800	ug/l	0.2	500000	
Ca	40	45	H2	2778.553	ug/l	0.6	1000000	
Ti	47	45	No Gas	-0.218	ug/l	N/A	10000	
V	51	45	He	-0.560	ug/l	N/A	5000	
Cr	52	45	He	-0.122	ug/l	N/A	20000	
Mn	55	45	He	2.512	ug/l	1.2	20000	
Fe	56	45	H2	6.729	ug/l	5.2	500000	
Co	59	45	He	0.000	ug/l	2881.3	2000	
Ni	60	45	He	-0.146	ug/l	N/A	20000	
Cu	63	45	He	0.018	ug/l	239.1	20000	
Zn	66	45	He	0.240	ug/l	150.1	20000	
As	75	45	He	-0.309	ug/l	N/A	5000	
Se	78	45	H2	0.060	ug/l	104.2	3000	
Sr	88	115	He	48.269	ug/l	0.1	5000	
Mo	95	115	He	0.134	ug/l	3.8	2000	
Ag	107	115	He	0.015	ug/l	49.2	1000	
Cd	111	115	He	0.006	ug/l	173.2	5000	
Sn	118	115	He	0.243	ug/l	63.2	2000	
Sb	121	115	He	0.027	ug/l	140.8	1000	
Ba	137	159	He	0.308	ug/l	19.1	20000	
Tl	205	209	He	-0.048	ug/l	N/A	1000	
[Pb]	206	209	He	0.042	ug/l	51.8		
[Pb]	207	209	He	0.053	ug/l	63.8		
Pb	208	209	He	0.047	ug/l	6.6	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8407213.49	0.9	89.3	60	125	
Sc (ISICPMS)	45	No Gas	6277946.36	0.8	90.1	60	125	
Sc (ISICPMS)	45	H2	2341596.77	0.6	88.2	60	125	
Sc (ISICPMS)	45	He	94038.72	1.1	87.6	60	125	
Ge (IS)	74	H2	449348.41	0.4	88.9	60	125	
Ge (IS)	74	He	51085.68	1.0	91.9	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	115268.33	0.3	92.3	60	125	
Tb (IS)	159	He	702639.16	0.6	95.0	60	125	
Bi (IS)	209	He	616791.05	1.3	94.0	60	125	

DRAFT

Sample Report

File Name 340SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 02:44:18

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.002	ug/l	46.8	2000	
B	11	6	No Gas	4.797	ug/l	3.3	2000	
Na	23	45	He	290.031	ug/l	4.7	500000	
Mg	24	45	He	2.983	ug/l	11.6	500000	
Al	27	45	He	0.666	ug/l	170.1	500000	
K	39	45	He	14.965	ug/l	77.3	500000	
Ca	40	45	H2	15.451	ug/l	4.3	1000000	
Ti	47	45	No Gas	-0.341	ug/l	N/A	10000	
V	51	45	He	-0.680	ug/l	N/A	5000	
Cr	52	45	He	-0.297	ug/l	N/A	20000	
Mn	55	45	He	1.419	ug/l	12.3	20000	
Fe	56	45	H2	3.356	ug/l	5.8	500000	
Co	59	45	He	0.012	ug/l	25.0	2000	
Ni	60	45	He	-0.221	ug/l	N/A	20000	
Cu	63	45	He	0.006	ug/l	1511.5	20000	
Zn	66	45	He	-0.208	ug/l	N/A	20000	
As	75	45	He	-0.308	ug/l	N/A	5000	
Se	78	45	H2	-0.011	ug/l	N/A	3000	
Sr	88	115	He	0.083	ug/l	59.8	5000	
Mo	95	115	He	0.041	ug/l	44.6	2000	
Ag	107	115	He	0.002	ug/l	294.0	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	-0.006	ug/l	N/A	2000	
Sb	121	115	He	-0.016	ug/l	N/A	1000	
Ba	137	159	He	0.112	ug/l	105.3	20000	
Tl	205	209	He	-0.049	ug/l	N/A	1000	
[Pb]	206	209	He	0.018	ug/l	112.4		
[Pb]	207	209	He	-0.008	ug/l	N/A		
Pb	208	209	He	0.013	ug/l	55.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8484456.40	0.4	90.1	60	125	
Sc (ISICPMS)	45	No Gas	6287549.42	1.1	90.2	60	125	
Sc (ISICPMS)	45	H2	2355727.03	0.3	88.8	60	125	
Sc (ISICPMS)	45	He	93167.67	1.5	86.8	60	125	
Ge (IS)	74	H2	449213.23	0.8	88.9	60	125	
Ge (IS)	74	He	50629.60	0.2	91.1	60	125	
Kr	83	He	6.67	86.6	200.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	116710.11	0.6	93.5	60	125	
Tb (IS)	159	He	703566.47	1.2	95.2	60	125	
Bi (IS)	209	He	627540.45	0.9	95.7	60	125	

DRAFT

Continuing Calibration Verification (CCV)

File Name 341_CCV.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 02:46:47

Sample Name **CCV**

Comment ---

Dilution 1.0000

Vial # 1301

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	99.097	ug/l	1.4	100	90	110	
B	11	6	No Gas	249.337	ug/l	0.8	250	225	275	
Na	23	45	He	25976.347	ug/l	0.4	25000	22500	27500	
Mg	24	45	He	25553.669	ug/l	0.5	25000	22500	27500	
Al	27	45	He	24930.242	ug/l	0.8	25000	22500	27500	
K	39	45	He	25816.690	ug/l	1.3	25000	22500	27500	
Ca	40	45	H2	25522.591	ug/l	2.2	25000	22500	27500	
Ti	47	45	No Gas	98.142	ug/l	0.4	100	90	110	
V	51	45	He	99.959	ug/l	0.4	100	90	110	
Cr	52	45	He	101.436	ug/l	2.2	100	90	110	
Mn	55	45	He	104.929	ug/l	1.8	100	90	110	
Fe	56	45	H2	26039.117	ug/l	2.3	25000	22500	27500	
Co	59	45	He	101.658	ug/l	1.2	100	90	110	
Ni	60	45	He	99.438	ug/l	1.8	100	90	110	
Cu	63	45	He	101.486	ug/l	1.5	100	90	110	
Zn	66	45	He	255.923	ug/l	2.0	250	225	275	
As	75	45	He	101.065	ug/l	2.9	100	90	110	
Se	78	45	H2	101.896	ug/l	3.1	100	90	110	
Sr	88	115	He	99.177	ug/l	1.6	100	90	110	
Mo	95	115	He	100.348	ug/l	2.0	100	90	110	
Ag	107	115	He	50.646	ug/l	1.2	50	45	55	
Cd	111	115	He	101.598	ug/l	1.6	100	90	110	
Sn	118	115	He	102.894	ug/l	2.7	100	90	110	
Sb	121	115	He	101.999	ug/l	1.7	100	90	110	
Ba	137	159	He	101.649	ug/l	3.0	100	90	110	
Tl	205	209	He	101.191	ug/l	0.6	100	90	110	
[Pb]	206	209	He	101.128	ug/l	0.7				
[Pb]	207	209	He	101.364	ug/l	1.3				
Pb	208	209	He	101.236	ug/l	0.4	100	90	110	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	8320375.16	0.7	88.4	60	125	
Sc (ISICPMS)	45	No Gas	6256128.93	0.8	89.8	60	125	
Sc (ISICPMS)	45	H2	2347613.32	1.2	88.5	60	125	
Sc (ISICPMS)	45	He	93788.75	0.5	87.3	60	125	
Ge (IS)	74	H2	456515.82	0.3	90.3	60	125	

DRAFT

Continuing Calibration Verification (CCV)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Ge (IS)	74	He	52052.81	1.1	93.7	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	115090.62	1.3	92.2	60	125	
Tb (IS)	159	He	707789.57	0.9	95.7	60	125	
Bi (IS)	209	He	618908.29	0.6	94.3	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

File Name 342_Blk.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 02:49:16

Sample Name **CCB**

Comment ---

Dilution 1.0000

Full Quant Table 1302

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	ExpectedValue	Lower Lmt	Upper Lmt	QC Flag
Be	9	6	No Gas	0.016	ug/l	15.0	0.8	-0.8	0.8	
B	11	6	No Gas	5.834	ug/l	3.9	40	-40	40	
Na	23	45	He	256.669	ug/l	0.8	500	-500	500	
Mg	24	45	He	13.378	ug/l	1.9	200	-200	200	
Al	27	45	He	2.621	ug/l	19.1	40	-40	40	
K	39	45	He	5.061	ug/l	196.9	200	-200	200	
Ca	40	45	H2	111.671	ug/l	2.4	500	-500	500	
Ti	47	45	No Gas	-0.002	ug/l	N/A	4	-4	4	
V	51	45	He	-0.707	ug/l	N/A	4	-4	4	
Cr	52	45	He	-0.184	ug/l	N/A	4	-4	4	
Mn	55	45	He	0.932	ug/l	12.7	8	-8	8	
Fe	56	45	H2	7.384	ug/l	4.9	60	-60	60	
Co	59	45	He	0.015	ug/l	213.6	4	-4	4	
Ni	60	45	He	-0.224	ug/l	N/A	4	-4	4	
Cu	63	45	He	-0.080	ug/l	N/A	4	-4	4	
Zn	66	45	He	0.161	ug/l	273.5	16	-16	16	
As	75	45	He	-0.209	ug/l	N/A	2	-2	2	
Se	78	45	H2	0.164	ug/l	48.0	2.5	-2.5	2.5	
Sr	88	115	He	0.245	ug/l	13.0	4	-4	4	
Mo	95	115	He	0.151	ug/l	37.9	4	-4	4	
Ag	107	115	He	0.005	ug/l	101.5	2	-2	2	
Cd	111	115	He	0.000	ug/l	N/A	2	-2	2	
Sn	118	115	He	0.109	ug/l	78.4	16	-16	16	
Sb	121	115	He	-0.016	ug/l	N/A	2	-2	2	
Ba	137	159	He	0.157	ug/l	45.8	4	-4	4	
Tl	205	209	He	-0.034	ug/l	N/A	0.8	-0.8	0.8	
[Pb]	206	209	He	0.064	ug/l	29.4				
[Pb]	207	209	He	0.051	ug/l	33.7				
Pb	208	209	He	0.068	ug/l	7.0	1.2	-1.2	1.2	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Li (IS)	6	No Gas	8464029.95	0.5	89.9	60	125	
Sc (ISICPMS)	45	No Gas	6338824.77	0.2	91.0	60	125	
Sc (ISICPMS)	45	H2	2405890.80	0.7	90.7	60	125	
Sc (ISICPMS)	45	He	95310.00	0.3	88.8	60	125	
Ge (IS)	74	H2	462063.72	0.9	91.4	60	125	
Ge (IS)	74	He	51779.63	1.4	93.2	60	125	
Kr	83	He	0.00	N/A	0.0			
In-1	115	He	117269.01	0.4	93.9	60	125	

DRAFT

Initial/Continuing Calibration Blank (ICB/CCB)

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower %Lmt	Upper %Lmt	QC Flag
Tb (IS)	159	He	713761.72	0.5	96.5	60	125	
Bi (IS)	209	He	634633.64	1.4	96.7	60	125	

DRAFT

Sample Report

File Name 343SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 02:51:46

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.007	ug/l	44.1	2000	
B	11	6	No Gas	4.057	ug/l	5.9	2000	
Na	23	45	He	238.328	ug/l	3.5	500000	
Mg	24	45	He	2.182	ug/l	10.1	500000	
Al	27	45	He	-1.008	ug/l	N/A	500000	
K	39	45	He	8.607	ug/l	90.3	500000	
Ca	40	45	H2	14.320	ug/l	2.6	1000000	
Ti	47	45	No Gas	-0.649	ug/l	N/A	10000	
V	51	45	He	-0.771	ug/l	N/A	5000	
Cr	52	45	He	-0.513	ug/l	N/A	20000	
Mn	55	45	He	0.906	ug/l	7.8	20000	
Fe	56	45	H2	3.591	ug/l	5.0	500000	
Co	59	45	He	-0.009	ug/l	N/A	2000	
Ni	60	45	He	-0.325	ug/l	N/A	20000	
Cu	63	45	He	0.027	ug/l	219.7	20000	
Zn	66	45	He	0.028	ug/l	567.8	20000	
As	75	45	He	-0.277	ug/l	N/A	5000	
Se	78	45	H2	0.046	ug/l	108.5	3000	
Sr	88	115	He	0.086	ug/l	64.4	5000	
Mo	95	115	He	0.101	ug/l	18.2	2000	
Ag	107	115	He	0.003	ug/l	229.2	1000	
Cd	111	115	He	0.006	ug/l	173.2	5000	
Sn	118	115	He	0.112	ug/l	16.7	2000	
Sb	121	115	He	-0.006	ug/l	N/A	1000	
Ba	137	159	He	0.080	ug/l	21.9	20000	
Tl	205	209	He	-0.044	ug/l	N/A	1000	
[Pb]	206	209	He	0.006	ug/l	308.1		
[Pb]	207	209	He	-0.011	ug/l	N/A		
Pb	208	209	He	0.010	ug/l	89.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8455578.48	0.5	89.8	60	125	
Sc (ISICPMS)	45	No Gas	6403542.54	0.3	91.9	60	125	
Sc (ISICPMS)	45	H2	2412004.11	0.7	90.9	60	125	
Sc (ISICPMS)	45	He	95366.29	0.6	88.8	60	125	
Ge (IS)	74	H2	461708.26	0.3	91.3	60	125	
Ge (IS)	74	He	51446.13	1.0	92.6	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	118449.92	0.7	94.9	60	125	
Tb (IS)	159	He	714660.46	0.6	96.7	60	125	
Bi (IS)	209	He	645126.55	0.7	98.3	60	125	

DRAFT

Sample Report

File Name 344SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 02:54:16

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.005	ug/l	47.7	2000	
B	11	6	No Gas	3.421	ug/l	2.1	2000	
Na	23	45	He	234.204	ug/l	3.5	500000	
Mg	24	45	He	2.503	ug/l	11.7	500000	
Al	27	45	He	0.291	ug/l	363.4	500000	
K	39	45	He	9.971	ug/l	121.7	500000	
Ca	40	45	H2	13.332	ug/l	4.3	1000000	
Ti	47	45	No Gas	-0.656	ug/l	N/A	10000	
V	51	45	He	-0.789	ug/l	N/A	5000	
Cr	52	45	He	-0.556	ug/l	N/A	20000	
Mn	55	45	He	0.843	ug/l	11.0	20000	
Fe	56	45	H2	3.600	ug/l	15.9	500000	
Co	59	45	He	0.000	ug/l	2265.6	2000	
Ni	60	45	He	-0.295	ug/l	N/A	20000	
Cu	63	45	He	0.025	ug/l	146.5	20000	
Zn	66	45	He	-0.105	ug/l	N/A	20000	
As	75	45	He	-0.312	ug/l	N/A	5000	
Se	78	45	H2	0.027	ug/l	124.6	3000	
Sr	88	115	He	0.075	ug/l	12.2	5000	
Mo	95	115	He	0.076	ug/l	64.3	2000	
Ag	107	115	He	0.001	ug/l	438.6	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	0.020	ug/l	691.1	2000	
Sb	121	115	He	0.004	ug/l	543.1	1000	
Ba	137	159	He	0.050	ug/l	200.6	20000	
Tl	205	209	He	-0.045	ug/l	N/A	1000	
[Pb]	206	209	He	0.020	ug/l	14.6		
[Pb]	207	209	He	0.008	ug/l	135.2		
Pb	208	209	He	0.022	ug/l	16.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8548222.51	0.8	90.8	60	125	
Sc (ISICPMS)	45	No Gas	6424373.17	1.3	92.2	60	125	
Sc (ISICPMS)	45	H2	2411703.14	1.1	90.9	60	125	
Sc (ISICPMS)	45	He	95713.72	0.6	89.1	60	125	
Ge (IS)	74	H2	458241.71	0.7	90.6	60	125	
Ge (IS)	74	He	52137.55	0.6	93.8	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	118916.27	0.7	95.2	60	125	
Tb (IS)	159	He	719774.52	0.9	97.4	60	125	
Bi (IS)	209	He	639516.03	1.5	97.5	60	125	

DRAFT

Sample Report

File Name 345SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 02:56:46

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.002	ug/l	178.5	2000	
B	11	6	No Gas	3.061	ug/l	6.5	2000	
Na	23	45	He	230.124	ug/l	1.0	500000	
Mg	24	45	He	2.349	ug/l	21.7	500000	
Al	27	45	He	0.092	ug/l	362.4	500000	
K	39	45	He	3.233	ug/l	435.7	500000	
Ca	40	45	H2	13.002	ug/l	6.9	1000000	
Ti	47	45	No Gas	-0.342	ug/l	N/A	10000	
V	51	45	He	-0.695	ug/l	N/A	5000	
Cr	52	45	He	-0.472	ug/l	N/A	20000	
Mn	55	45	He	0.983	ug/l	7.1	20000	
Fe	56	45	H2	3.497	ug/l	11.7	500000	
Co	59	45	He	0.008	ug/l	192.8	2000	
Ni	60	45	He	-0.286	ug/l	N/A	20000	
Cu	63	45	He	0.002	ug/l	58.2	20000	
Zn	66	45	He	-0.337	ug/l	N/A	20000	
As	75	45	He	-0.244	ug/l	N/A	5000	
Se	78	45	H2	0.016	ug/l	180.3	3000	
Sr	88	115	He	0.010	ug/l	449.3	5000	
Mo	95	115	He	0.069	ug/l	37.7	2000	
Ag	107	115	He	0.000	ug/l	N/A	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	0.001	ug/l	11847.8	2000	
Sb	121	115	He	-0.020	ug/l	N/A	1000	
Ba	137	159	He	0.091	ug/l	128.4	20000	
Tl	205	209	He	-0.050	ug/l	N/A	1000	
[Pb]	206	209	He	0.002	ug/l	1073.7		
[Pb]	207	209	He	-0.011	ug/l	N/A		
Pb	208	209	He	0.017	ug/l	57.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8565050.71	0.6	91.0	60	125	
Sc (ISICPMS)	45	No Gas	6413950.04	0.5	92.0	60	125	
Sc (ISICPMS)	45	H2	2439498.44	0.4	91.9	60	125	
Sc (ISICPMS)	45	He	95596.10	0.5	89.0	60	125	
Ge (IS)	74	H2	464188.01	0.4	91.8	60	125	
Ge (IS)	74	He	51380.19	0.4	92.5	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	118465.23	0.4	94.9	60	125	
Tb (IS)	159	He	712646.42	0.9	96.4	60	125	
Bi (IS)	209	He	634459.21	0.9	96.7	60	125	

DRAFT

Sample Report

File Name 346SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 02:59:16

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.004	ug/l	93.4	2000	
B	11	6	No Gas	2.850	ug/l	6.9	2000	
Na	23	45	He	226.058	ug/l	1.5	500000	
Mg	24	45	He	2.453	ug/l	34.2	500000	
Al	27	45	He	0.177	ug/l	658.5	500000	
K	39	45	He	25.960	ug/l	16.2	500000	
Ca	40	45	H2	12.317	ug/l	6.1	1000000	
Ti	47	45	No Gas	-0.643	ug/l	N/A	10000	
V	51	45	He	-0.690	ug/l	N/A	5000	
Cr	52	45	He	-0.449	ug/l	N/A	20000	
Mn	55	45	He	0.985	ug/l	10.1	20000	
Fe	56	45	H2	2.235	ug/l	9.3	500000	
Co	59	45	He	-0.012	ug/l	N/A	2000	
Ni	60	45	He	-0.284	ug/l	N/A	20000	
Cu	63	45	He	-0.021	ug/l	N/A	20000	
Zn	66	45	He	-0.067	ug/l	N/A	20000	
As	75	45	He	-0.272	ug/l	N/A	5000	
Se	78	45	H2	-0.014	ug/l	N/A	3000	
Sr	88	115	He	0.085	ug/l	73.2	5000	
Mo	95	115	He	0.081	ug/l	15.2	2000	
Ag	107	115	He	0.001	ug/l	244.8	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	0.040	ug/l	277.5	2000	
Sb	121	115	He	0.007	ug/l	214.1	1000	
Ba	137	159	He	0.126	ug/l	85.2	20000	
Tl	205	209	He	-0.048	ug/l	N/A	1000	
[Pb]	206	209	He	0.020	ug/l	24.0		
[Pb]	207	209	He	0.008	ug/l	244.5		
Pb	208	209	He	0.026	ug/l	29.7	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8524214.39	0.3	90.5	60	125	
Sc (ISICPMS)	45	No Gas	6413494.84	0.4	92.0	60	125	
Sc (ISICPMS)	45	H2	2490676.02	0.9	93.9	60	125	
Sc (ISICPMS)	45	He	100199.26	0.1	93.3	60	125	
Ge (IS)	74	H2	471197.31	1.4	93.2	60	125	
Ge (IS)	74	He	54534.86	0.8	98.1	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	122007.52	0.9	97.7	60	125	
Tb (IS)	159	He	720654.02	0.5	97.5	60	125	
Bi (IS)	209	He	641081.60	0.2	97.7	60	125	

DRAFT

Sample Report

File Name 347SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 03:01:46

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.003	ug/l	96.4	2000	
B	11	6	No Gas	2.506	ug/l	1.0	2000	
Na	23	45	He	207.802	ug/l	3.3	500000	
Mg	24	45	He	1.666	ug/l	23.5	500000	
Al	27	45	He	0.539	ug/l	56.5	500000	
K	39	45	He	20.054	ug/l	36.5	500000	
Ca	40	45	H2	12.321	ug/l	2.1	1000000	
Ti	47	45	No Gas	-0.344	ug/l	N/A	10000	
V	51	45	He	-0.697	ug/l	N/A	5000	
Cr	52	45	He	-0.327	ug/l	N/A	20000	
Mn	55	45	He	1.012	ug/l	10.2	20000	
Fe	56	45	H2	3.780	ug/l	8.2	500000	
Co	59	45	He	0.003	ug/l	361.9	2000	
Ni	60	45	He	-0.157	ug/l	N/A	20000	
Cu	63	45	He	-0.003	ug/l	N/A	20000	
Zn	66	45	He	-0.196	ug/l	N/A	20000	
As	75	45	He	-0.184	ug/l	N/A	5000	
Se	78	45	H2	-0.052	ug/l	N/A	3000	
Sr	88	115	He	0.073	ug/l	111.6	5000	
Mo	95	115	He	0.046	ug/l	124.9	2000	
Ag	107	115	He	0.004	ug/l	111.1	1000	
Cd	111	115	He	0.005	ug/l	173.2	5000	
Sn	118	115	He	0.118	ug/l	92.9	2000	
Sb	121	115	He	-0.030	ug/l	N/A	1000	
Ba	137	159	He	0.200	ug/l	25.5	20000	
Tl	205	209	He	-0.048	ug/l	N/A	1000	
[Pb]	206	209	He	0.006	ug/l	225.9		
[Pb]	207	209	He	0.016	ug/l	131.3		
Pb	208	209	He	0.015	ug/l	56.0	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8852237.93	0.3	94.0	60	125	
Sc (ISICPMS)	45	No Gas	6688737.82	1.3	96.0	60	125	
Sc (ISICPMS)	45	H2	2553040.24	0.6	96.2	60	125	
Sc (ISICPMS)	45	He	103112.63	0.7	96.0	60	125	
Ge (IS)	74	H2	483067.21	0.6	95.6	60	125	
Ge (IS)	74	He	55416.04	0.7	99.7	60	125	
Kr	83	He	6.67	86.6	200.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	123943.37	1.8	99.3	60	125	
Tb (IS)	159	He	728358.04	0.8	98.5	60	125	
Bi (IS)	209	He	646835.31	0.9	98.6	60	125	

DRAFT

Sample Report

File Name 348SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 03:04:17

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.003	ug/l	177.8	2000	
B	11	6	No Gas	2.303	ug/l	4.9	2000	
Na	23	45	He	211.783	ug/l	3.5	500000	
Mg	24	45	He	1.122	ug/l	38.8	500000	
Al	27	45	He	0.554	ug/l	102.5	500000	
K	39	45	He	25.957	ug/l	30.9	500000	
Ca	40	45	H2	11.999	ug/l	1.0	1000000	
Ti	47	45	No Gas	-0.430	ug/l	N/A	10000	
V	51	45	He	-0.707	ug/l	N/A	5000	
Cr	52	45	He	-0.582	ug/l	N/A	20000	
Mn	55	45	He	1.033	ug/l	3.8	20000	
Fe	56	45	H2	2.470	ug/l	10.9	500000	
Co	59	45	He	-0.012	ug/l	N/A	2000	
Ni	60	45	He	-0.299	ug/l	N/A	20000	
Cu	63	45	He	0.008	ug/l	940.7	20000	
Zn	66	45	He	-0.259	ug/l	N/A	20000	
As	75	45	He	-0.272	ug/l	N/A	5000	
Se	78	45	H2	-0.033	ug/l	N/A	3000	
Sr	88	115	He	0.094	ug/l	43.2	5000	
Mo	95	115	He	0.035	ug/l	67.4	2000	
Ag	107	115	He	0.000	ug/l	N/A	1000	
Cd	111	115	He	0.005	ug/l	173.2	5000	
Sn	118	115	He	-0.055	ug/l	N/A	2000	
Sb	121	115	He	-0.012	ug/l	N/A	1000	
Ba	137	159	He	0.184	ug/l	63.3	20000	
Tl	205	209	He	-0.049	ug/l	N/A	1000	
[Pb]	206	209	He	-0.002	ug/l	N/A		
[Pb]	207	209	He	0.002	ug/l	1319.5		
Pb	208	209	He	0.005	ug/l	171.2	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8768426.47	0.5	93.1	60	125	
Sc (ISICPMS)	45	No Gas	6591609.14	0.5	94.6	60	125	
Sc (ISICPMS)	45	H2	2504764.56	0.7	94.4	60	125	
Sc (ISICPMS)	45	He	100495.69	1.2	93.6	60	125	
Ge (IS)	74	H2	478251.21	1.2	94.6	60	125	
Ge (IS)	74	He	53979.06	0.7	97.1	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	122772.49	1.4	98.3	60	125	
Tb (IS)	159	He	720817.84	0.8	97.5	60	125	
Bi (IS)	209	He	635024.05	1.0	96.8	60	125	

DRAFT

Sample Report

File Name 349SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 03:06:46

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.001	ug/l	111.3	2000	
B	11	6	No Gas	2.242	ug/l	9.6	2000	
Na	23	45	He	219.194	ug/l	3.4	500000	
Mg	24	45	He	1.467	ug/l	22.4	500000	
Al	27	45	He	0.838	ug/l	25.4	500000	
K	39	45	He	28.618	ug/l	60.6	500000	
Ca	40	45	H2	11.289	ug/l	3.2	1000000	
Ti	47	45	No Gas	-0.367	ug/l	N/A	10000	
V	51	45	He	-0.772	ug/l	N/A	5000	
Cr	52	45	He	-0.417	ug/l	N/A	20000	
Mn	55	45	He	0.952	ug/l	14.3	20000	
Fe	56	45	H2	2.408	ug/l	20.4	500000	
Co	59	45	He	0.009	ug/l	61.9	2000	
Ni	60	45	He	-0.357	ug/l	N/A	20000	
Cu	63	45	He	-0.020	ug/l	N/A	20000	
Zn	66	45	He	-0.157	ug/l	N/A	20000	
As	75	45	He	-0.255	ug/l	N/A	5000	
Se	78	45	H2	-0.015	ug/l	N/A	3000	
Sr	88	115	He	0.045	ug/l	156.9	5000	
Mo	95	115	He	0.047	ug/l	12.4	2000	
Ag	107	115	He	-0.001	ug/l	N/A	1000	
Cd	111	115	He	0.005	ug/l	173.2	5000	
Sn	118	115	He	-0.125	ug/l	N/A	2000	
Sb	121	115	He	-0.008	ug/l	N/A	1000	
Ba	137	159	He	0.095	ug/l	74.4	20000	
Tl	205	209	He	-0.050	ug/l	N/A	1000	
[Pb]	206	209	He	0.020	ug/l	20.5		
[Pb]	207	209	He	0.017	ug/l	28.1		
Pb	208	209	He	0.028	ug/l	31.5	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8817990.07	1.4	93.7	60	125	
Sc (ISICPMS)	45	No Gas	6723294.48	0.7	96.5	60	125	
Sc (ISICPMS)	45	H2	2513703.70	1.2	94.7	60	125	
Sc (ISICPMS)	45	He	100255.14	1.8	93.4	60	125	
Ge (IS)	74	H2	473119.68	0.6	93.6	60	125	
Ge (IS)	74	He	53942.40	1.1	97.1	60	125	
Kr	83	He	0.00	N/A	0.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	122152.27	1.8	97.8	60	125	
Tb (IS)	159	He	730527.35	1.3	98.8	60	125	
Bi (IS)	209	He	639903.31	1.7	97.5	60	125	

DRAFT

Sample Report

File Name 350SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 03:09:17

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.005	ug/l	25.9	2000	
B	11	6	No Gas	2.039	ug/l	4.0	2000	
Na	23	45	He	379.862	ug/l	2.2	500000	
Mg	24	45	He	12.061	ug/l	10.7	500000	
Al	27	45	He	4.613	ug/l	31.4	500000	
K	39	45	He	26.413	ug/l	12.7	500000	
Ca	40	45	H2	26.334	ug/l	3.1	1000000	
Ti	47	45	No Gas	-0.038	ug/l	N/A	10000	
V	51	45	He	-0.746	ug/l	N/A	5000	
Cr	52	45	He	-0.307	ug/l	N/A	20000	
Mn	55	45	He	1.539	ug/l	5.1	20000	
Fe	56	45	H2	14.729	ug/l	5.5	500000	
Co	59	45	He	0.005	ug/l	530.5	2000	
Ni	60	45	He	-0.291	ug/l	N/A	20000	
Cu	63	45	He	0.024	ug/l	196.9	20000	
Zn	66	45	He	0.203	ug/l	84.1	20000	
As	75	45	He	-0.173	ug/l	N/A	5000	
Se	78	45	H2	-0.033	ug/l	N/A	3000	
Sr	88	115	He	0.192	ug/l	31.5	5000	
Mo	95	115	He	0.064	ug/l	50.0	2000	
Ag	107	115	He	0.000	ug/l	N/A	1000	
Cd	111	115	He	0.011	ug/l	86.6	5000	
Sn	118	115	He	-0.017	ug/l	N/A	2000	
Sb	121	115	He	-0.005	ug/l	N/A	1000	
Ba	137	159	He	0.342	ug/l	27.0	20000	
Tl	205	209	He	0.002	ug/l	513.8	1000	
[Pb]	206	209	He	0.223	ug/l	7.9		
[Pb]	207	209	He	0.242	ug/l	13.2		
Pb	208	209	He	0.241	ug/l	7.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8750504.52	0.4	92.9	60	125	
Sc (ISICPMS)	45	No Gas	6574520.67	0.9	94.3	60	125	
Sc (ISICPMS)	45	H2	2515688.59	0.2	94.8	60	125	
Sc (ISICPMS)	45	He	99657.17	0.4	92.8	60	125	
Ge (IS)	74	H2	481769.34	0.4	95.3	60	125	
Ge (IS)	74	He	54105.17	0.2	97.4	60	125	
Kr	83	He	6.67	86.6	200.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	120247.08	1.9	96.3	60	125	
Tb (IS)	159	He	711481.09	0.6	96.2	60	125	
Bi (IS)	209	He	628447.62	0.8	95.8	60	125	

DRAFT

Sample Report

File Name 351SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 03:11:46

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.008	ug/l	38.6	2000	
B	11	6	No Gas	2.007	ug/l	4.9	2000	
Na	23	45	He	377.399	ug/l	2.8	500000	
Mg	24	45	He	12.040	ug/l	8.2	500000	
Al	27	45	He	4.452	ug/l	45.3	500000	
K	39	45	He	32.804	ug/l	44.1	500000	
Ca	40	45	H2	26.227	ug/l	2.1	1000000	
Ti	47	45	No Gas	-0.051	ug/l	N/A	10000	
V	51	45	He	-0.670	ug/l	N/A	5000	
Cr	52	45	He	-0.474	ug/l	N/A	20000	
Mn	55	45	He	1.377	ug/l	1.6	20000	
Fe	56	45	H2	14.164	ug/l	2.6	500000	
Co	59	45	He	0.010	ug/l	183.5	2000	
Ni	60	45	He	-0.199	ug/l	N/A	20000	
Cu	63	45	He	0.087	ug/l	7.5	20000	
Zn	66	45	He	0.256	ug/l	242.9	20000	
As	75	45	He	-0.271	ug/l	N/A	5000	
Se	78	45	H2	-0.023	ug/l	N/A	3000	
Sr	88	115	He	0.191	ug/l	39.2	5000	
Mo	95	115	He	0.069	ug/l	55.7	2000	
Ag	107	115	He	0.001	ug/l	149.1	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	0.076	ug/l	358.3	2000	
Sb	121	115	He	0.003	ug/l	533.2	1000	
Ba	137	159	He	0.216	ug/l	66.0	20000	
Tl	205	209	He	-0.008	ug/l	N/A	1000	
[Pb]	206	209	He	0.206	ug/l	4.1		
[Pb]	207	209	He	0.209	ug/l	14.3		
Pb	208	209	He	0.223	ug/l	3.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8707206.47	0.7	92.5	60	125	
Sc (ISICPMS)	45	No Gas	6621410.32	1.3	95.0	60	125	
Sc (ISICPMS)	45	H2	2494068.33	0.3	94.0	60	125	
Sc (ISICPMS)	45	He	100131.66	1.5	93.3	60	125	
Ge (IS)	74	H2	472148.19	0.2	93.4	60	125	
Ge (IS)	74	He	53826.38	1.1	96.9	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	120776.28	0.6	96.7	60	125	
Tb (IS)	159	He	710979.57	0.8	96.2	60	125	
Bi (IS)	209	He	632319.46	0.9	96.4	60	125	

DRAFT

Sample Report

File Name 352SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 03:14:17

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.006	ug/l	86.9	2000	
B	11	6	No Gas	1.931	ug/l	7.5	2000	
Na	23	45	He	370.122	ug/l	3.5	500000	
Mg	24	45	He	12.068	ug/l	9.1	500000	
Al	27	45	He	5.408	ug/l	14.5	500000	
K	39	45	He	34.033	ug/l	9.5	500000	
Ca	40	45	H2	26.048	ug/l	2.0	1000000	
Ti	47	45	No Gas	0.212	ug/l	42.2	10000	
V	51	45	He	-0.717	ug/l	N/A	5000	
Cr	52	45	He	-0.430	ug/l	N/A	20000	
Mn	55	45	He	1.406	ug/l	6.3	20000	
Fe	56	45	H2	15.112	ug/l	6.1	500000	
Co	59	45	He	0.006	ug/l	150.3	2000	
Ni	60	45	He	-0.204	ug/l	N/A	20000	
Cu	63	45	He	0.095	ug/l	53.0	20000	
Zn	66	45	He	0.334	ug/l	95.4	20000	
As	75	45	He	-0.039	ug/l	N/A	5000	
Se	78	45	H2	0.034	ug/l	127.3	3000	
Sr	88	115	He	0.190	ug/l	27.0	5000	
Mo	95	115	He	0.034	ug/l	62.5	2000	
Ag	107	115	He	0.001	ug/l	184.9	1000	
Cd	111	115	He	0.000	ug/l	N/A	5000	
Sn	118	115	He	0.106	ug/l	156.1	2000	
Sb	121	115	He	-0.036	ug/l	N/A	1000	
Ba	137	159	He	0.317	ug/l	14.3	20000	
Tl	205	209	He	-0.010	ug/l	N/A	1000	
[Pb]	206	209	He	0.256	ug/l	10.7		
[Pb]	207	209	He	0.247	ug/l	9.9		
Pb	208	209	He	0.249	ug/l	4.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8731967.72	0.5	92.8	60	125	
Sc (ISICPMS)	45	No Gas	6544100.11	0.9	93.9	60	125	
Sc (ISICPMS)	45	H2	2466465.03	0.3	93.0	60	125	
Sc (ISICPMS)	45	He	99122.95	1.1	92.3	60	125	
Ge (IS)	74	H2	472299.84	0.6	93.4	60	125	
Ge (IS)	74	He	52819.14	1.5	95.1	60	125	
Kr	83	He	6.67	86.6	200.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	118744.85	1.3	95.1	60	125	
Tb (IS)	159	He	703956.76	1.2	95.2	60	125	
Bi (IS)	209	He	622880.09	1.0	94.9	60	125	

DRAFT

Sample Report

File Name 353SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 03:16:46

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.010	ug/l	56.8	2000	
B	11	6	No Gas	1.793	ug/l	4.0	2000	
Na	23	45	He	373.849	ug/l	1.1	500000	
Mg	24	45	He	12.389	ug/l	5.7	500000	
Al	27	45	He	4.631	ug/l	16.7	500000	
K	39	45	He	30.342	ug/l	42.5	500000	
Ca	40	45	H2	24.695	ug/l	5.1	1000000	
Ti	47	45	No Gas	0.044	ug/l	628.3	10000	
V	51	45	He	-0.583	ug/l	N/A	5000	
Cr	52	45	He	-0.448	ug/l	N/A	20000	
Mn	55	45	He	1.216	ug/l	14.2	20000	
Fe	56	45	H2	13.936	ug/l	5.1	500000	
Co	59	45	He	0.013	ug/l	168.9	2000	
Ni	60	45	He	-0.276	ug/l	N/A	20000	
Cu	63	45	He	0.058	ug/l	40.7	20000	
Zn	66	45	He	-0.126	ug/l	N/A	20000	
As	75	45	He	-0.351	ug/l	N/A	5000	
Se	78	45	H2	-0.032	ug/l	N/A	3000	
Sr	88	115	He	0.166	ug/l	56.4	5000	
Mo	95	115	He	0.035	ug/l	149.1	2000	
Ag	107	115	He	0.002	ug/l	133.4	1000	
Cd	111	115	He	0.006	ug/l	173.2	5000	
Sn	118	115	He	0.003	ug/l	7095.0	2000	
Sb	121	115	He	-0.019	ug/l	N/A	1000	
Ba	137	159	He	0.270	ug/l	40.4	20000	
Tl	205	209	He	-0.017	ug/l	N/A	1000	
[Pb]	206	209	He	0.191	ug/l	0.5		
[Pb]	207	209	He	0.219	ug/l	11.8		
Pb	208	209	He	0.218	ug/l	4.9	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8644655.49	0.4	91.8	60	125	
Sc (ISICPMS)	45	No Gas	6568315.67	1.2	94.2	60	125	
Sc (ISICPMS)	45	H2	2456523.75	0.2	92.6	60	125	
Sc (ISICPMS)	45	He	98828.20	0.9	92.0	60	125	
Ge (IS)	74	H2	470451.30	0.7	93.1	60	125	
Ge (IS)	74	He	52688.58	0.6	94.8	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	118290.58	1.1	94.7	60	125	
Tb (IS)	159	He	702613.57	0.8	95.0	60	125	
Bi (IS)	209	He	624503.71	1.1	95.2	60	125	

DRAFT

Sample Report

File Name 354SMPL.d

File Path D:\Agilent\ICPMH\1\DATA\NM070924A.b

Acq Time 2024-07-10 03:19:17

Sample Name **Rn Chk**

Comment ---

Dilution **1.0000**

Vial # 3

FullQuant Table

Element	Mass	ISTD	Tune Mode	Conc.	Units	RSD(%)	High Value	QC Flag
Be	9	6	No Gas	0.005	ug/l	41.1	2000	
B	11	6	No Gas	1.552	ug/l	8.7	2000	
Na	23	45	He	250.342	ug/l	5.9	500000	
Mg	24	45	He	4.548	ug/l	11.1	500000	
Al	27	45	He	1.464	ug/l	74.3	500000	
K	39	45	He	29.447	ug/l	27.5	500000	
Ca	40	45	H2	19.346	ug/l	2.0	1000000	
Ti	47	45	No Gas	-0.094	ug/l	N/A	10000	
V	51	45	He	-0.689	ug/l	N/A	5000	
Cr	52	45	He	-0.429	ug/l	N/A	20000	
Mn	55	45	He	1.102	ug/l	9.0	20000	
Fe	56	45	H2	9.743	ug/l	3.9	500000	
Co	59	45	He	-0.004	ug/l	N/A	2000	
Ni	60	45	He	-0.227	ug/l	N/A	20000	
Cu	63	45	He	0.021	ug/l	153.2	20000	
Zn	66	45	He	-0.288	ug/l	N/A	20000	
As	75	45	He	-0.269	ug/l	N/A	5000	
Se	78	45	H2	-0.014	ug/l	N/A	3000	
Sr	88	115	He	0.045	ug/l	202.6	5000	
Mo	95	115	He	0.019	ug/l	171.1	2000	
Ag	107	115	He	0.001	ug/l	139.3	1000	
Cd	111	115	He	0.006	ug/l	173.2	5000	
Sn	118	115	He	0.001	ug/l	10549.0	2000	
Sb	121	115	He	-0.014	ug/l	N/A	1000	
Ba	137	159	He	0.101	ug/l	72.4	20000	
Tl	205	209	He	-0.041	ug/l	N/A	1000	
[Pb]	206	209	He	0.080	ug/l	20.3		
[Pb]	207	209	He	0.055	ug/l	23.4		
Pb	208	209	He	0.078	ug/l	24.4	20000	

ISTD Table:

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
Li (IS)	6	No Gas	8652465.43	1.5	91.9	60	125	
Sc (ISICPMS)	45	No Gas	6558301.50	0.2	94.1	60	125	
Sc (ISICPMS)	45	H2	2479647.33	0.7	93.5	60	125	
Sc (ISICPMS)	45	He	98813.77	1.0	92.0	60	125	
Ge (IS)	74	H2	471255.31	0.4	93.2	60	125	
Ge (IS)	74	He	52831.39	1.5	95.1	60	125	
Kr	83	He	3.34	173.2	100.0			

DRAFT

Element	Mass	Tune Mode	CPS	RSD(%)	ISTD Recovery %	Lower Limit	Upper Limit	QC Flag
In-1	115	He	118203.69	0.5	94.7	60	125	
Tb (IS)	159	He	708156.79	0.5	95.8	60	125	
Bi (IS)	209	He	625787.09	0.9	95.4	60	125	

DRAFT

US EPA Tune Check Report

Operator Name	ediicpms5
Acq/Data Batch	D:\Agilent\ICPMH\1\DATA\NM070924.b
Acq. Date-Time	2024-07-09 09:49:37
Report Comment	EPA TUNE REPORT
Instrument Name	G8421A SG19475068

[No Gas]

Sensitivity

Mass	Conc. [ug/l]	Count	CPS	Resp (Required) [cps/ug/l]	Resp (Flag)	RSD%	RSD% (Required)
9	10.00	9224	92241.66	0.00		1.792	5.000
24	10.00	25596	255956.94	0.00		2.075	5.000
25	10.00	3472	34724.62	0.00		2.445	5.000
26	10.00	4005	40048.17	0.00		3.069	5.000
59	10.00	28899	288993.47	0.00		2.205	5.000
115	10.00	39465	394646.88	0.00		2.354	5.000
206	10.00	13316	133159.72	0.00		2.404	5.000
207	10.00	11621	116206.28	0.00		2.704	5.000
208	10.00	28404	284038.61	0.00		2.621	5.000

Mass	RSD% (Flag)
9	
24	
25	
26	
59	
115	
206	
207	
208	

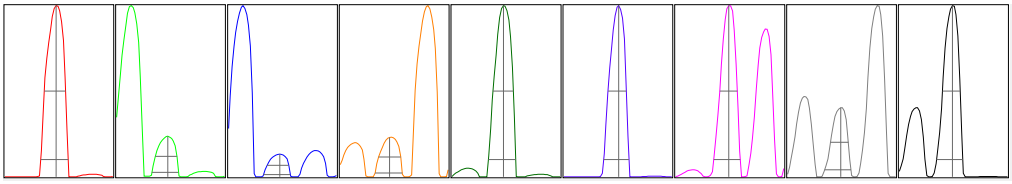
Mass	Rep#1 Count	Rep#2 Count	Rep#3 Count	Rep#4 Count	Rep#5 Count
9	9093	9456	9338	9085	9148
24	25980	25768	24761	25406	26064
25	3545	3417	3352	3506	3543
26	4156	3855	3912	4083	4018
59	28819	28763	29842	29010	28063
115	39153	40940	38662	38801	39768
206	13552	13009	12924	13551	13543
207	11943	11146	11606	11864	11545
208	28637	27419	28930	29184	27849

Integration Time [sec] 0.1

Resolution/Axis

DRAFT

US EPA Tune Check Report



Mass	Peak Height	Axis	Axis (Required)	Axis (Flag)
9	16808.73	8.95	8.90 - 9.10	
24	45939.97	23.95	23.90 - 24.10	
25	6076.00	24.95	24.90 - 25.10	
26	7011.52	25.90	25.90 - 26.10	
59	53956.34	58.95	58.90 - 59.10	
115	81400.79	115.05	114.90 - 115.10	
206	27504.26	206.00	205.90 - 206.10	
207	23748.61	207.00	206.90 - 207.10	
208	58726.24	208.00	207.90 - 208.10	

Mass	W-50%	W-10%	W-10% (Required)	W-10% (Flag)
9	0.58	0.749	0.900	
24	0.59	0.726	0.900	
25	0.60	0.731	0.900	
26	0.60	0.744	0.900	
59	0.56	0.745	0.900	
115	0.50	0.694	0.900	
206	0.48	0.726	0.900	
207	0.49	0.719	0.900	
208	0.48	0.718	0.900	

Integration Time [sec]	0.1
Acquisition Time [sec]	198.999999999998
Y Axis	Linear

Tune Parameters

Plasma Parameters

Plasma Mode	General Purpose	Nebulizer Gas	1.05 L/min	Makeup Gas	0.00 L/min
RF Power	1550 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.80 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	10.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	7.8 V	Deflect	11.8 V
Extract 2	-200.0 V	Cell Entrance	-30 V	Plate Bias	-35 V
Omega Bias	-90 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V

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US EPA Tune Check Report

He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	0.0 mL/min	OctP RF	200 V		

QP Parameters

Mass Gain	133	Axis Gain	1.0009	QP Bias	-3.0 V
Mass Offset	126	Axis Offset	-0.02		

Hardware Settings

Torch

Torch H	-0.5 mm	Torch V	0.8 mm		

EM

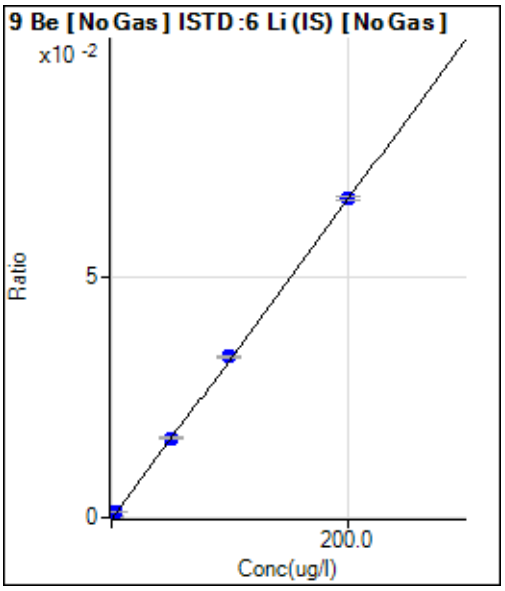
Discriminator	3.6 mV	Analog HV	2726 V	Pulse HV	1589 V

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Batch Folder: D:\Agilent\ICPMH\1\DATA\NM070924A.b\
Analysis File: NM070924A.batch.bin
DA Date-Time: 2024-07-09 11:51:29
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	004CALB.d	IC CAL-Blk	2024-07-09 11:01:19
2	005CALS.d	IC CAL1	2024-07-09 11:04:22
3	006CALS.d	IC CAL2	2024-07-09 11:07:02
4	007CALS.d	IC CAL3	2024-07-09 11:09:44
5	008CALS.d	IC CAL4	2024-07-09 11:12:24
6	009CALS.d	IC CAL5	2024-07-09 11:15:05

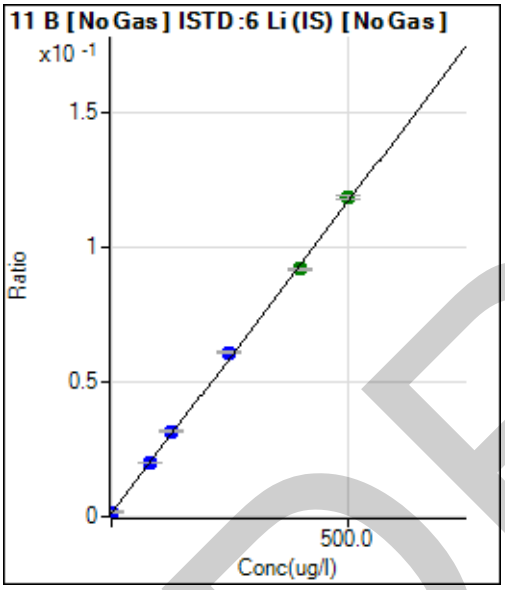
DRAFT



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	14.44	0.0000	P	34.2	
2	☐	0.800	0.788	2451.34	0.0003	P	2.0	-1.5
3	☐	4.000	3.845	12055.24	0.0013	P	2.2	-3.9
4	☐	50.000	49.696	154844.63	0.0165	P	1.4	-0.6
5	☐	100.000	100.738	314585.70	0.0335	P	0.8	0.7
6	☐	200.000	199.710	622203.21	0.0664	P	1.6	-0.1

y = 3.3255E-004 * x + 1.5309E-006
R = 1.0000
DL = 0.004729 ug/l
BEC = 0.004604 ug/l

Weight: <None>
Min Conc: <None>

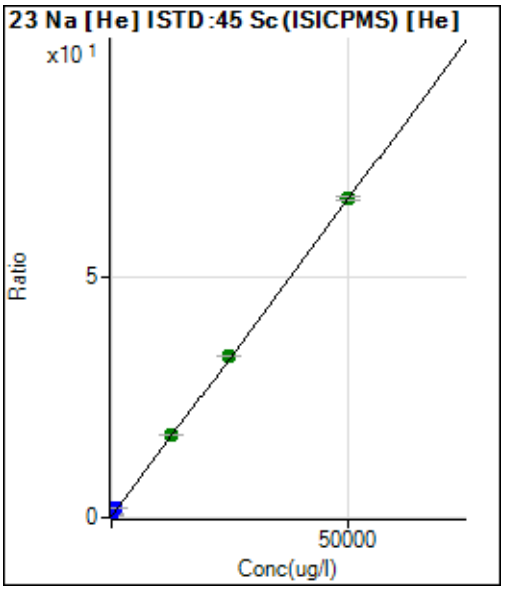


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	16792.32	0.0018	P	3.1	
2	☐	80.000	78.481	185475.33	0.0200	P	1.4	-1.9
3	☐	400.000	389.374	865527.89	0.0919	A	1.0	-2.7
4	☐	125.000	129.428	297420.48	0.0317	P	0.9	3.5
5	☐	250.000	256.004	573200.97	0.0610	P	0.9	2.4
6	☐	500.000	504.635	1111250.56	0.1186	A	1.3	0.9

y = 2.3149E-004 * x + 0.0018
R = 0.9995
DL = 0.719 ug/l
BEC = 7.706 ug/l

Weight: <None>
Min Conc: <None>

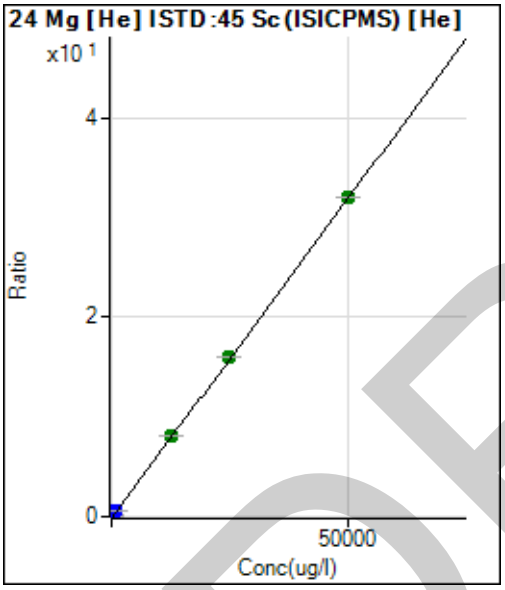
DRAFT



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	63252.00	0.5891	P	1.0	
2	☐	200.000	205.816	92957.65	0.8604	P	0.6	2.9
3	☐	1000.000	1031.009	208396.39	1.9483	P	0.9	3.1
4	☐	12500.000	12618.170	1861013.25	17.2241	A	1.6	0.9
5	☐	25000.000	25067.852	3662916.05	33.6369	A	0.4	0.3
6	☐	50000.000	49935.888	7158830.38	66.4214	A	1.6	-0.1

y = 0.0013 * x + 0.5891
R = 1.0000
DL = 13.69 ug/l
BEC = 446.8 ug/l

Weight: <None>
Min Conc: <None>

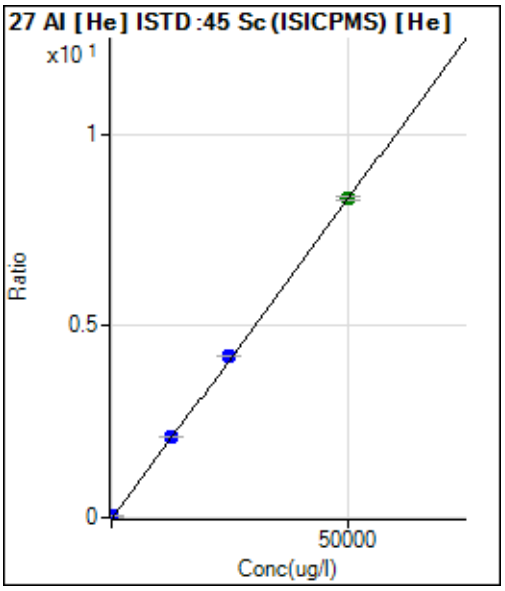


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	277.78	0.0026	P	7.5	
2	☐	200.000	206.110	14544.32	0.1346	P	0.9	3.1
3	☐	1000.000	1029.556	70821.54	0.6621	P	1.4	3.0
4	☐	12500.000	12589.411	871676.18	8.0674	A	1.0	0.7
5	☐	25000.000	25010.207	1744952.63	16.0241	A	0.1	0.0
6	☐	50000.000	49971.928	3450645.09	32.0146	A	0.5	-0.1

y = 6.4060E-004 * x + 0.0026
R = 1.0000
DL = 0.9082 ug/l
BEC = 4.039 ug/l

Weight: <None>
Min Conc: <None>

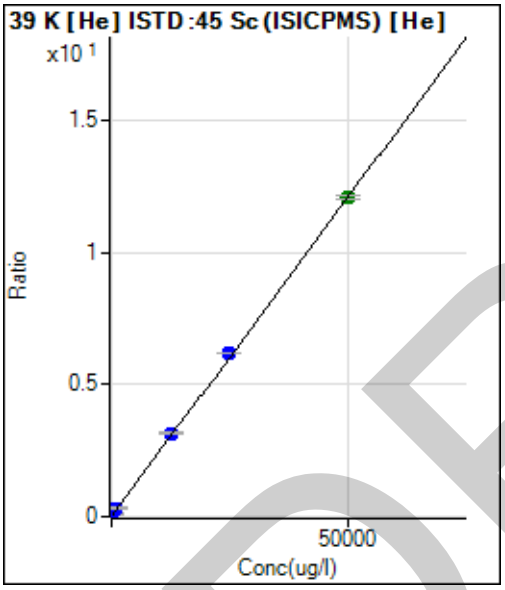
DRAFT



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	94.44	0.0009	P	23.1	
2	☐	40.000	40.919	833.37	0.0077	P	1.3	2.3
3	☐	200.000	213.074	3900.57	0.0365	P	2.3	6.5
4	☐	12500.000	12625.169	227915.85	2.1094	P	1.2	1.0
5	☐	25000.000	25203.182	458444.40	4.2100	P	0.4	0.8
6	☐	50000.000	49867.064	897735.55	8.3290	A	0.7	-0.3

y = 1.6701E-004 * x + 8.7970E-004
R = 1.0000
DL = 3.656 ug/l
BEC = 5.267 ug/l

Weight: <None>
Min Conc: <None>

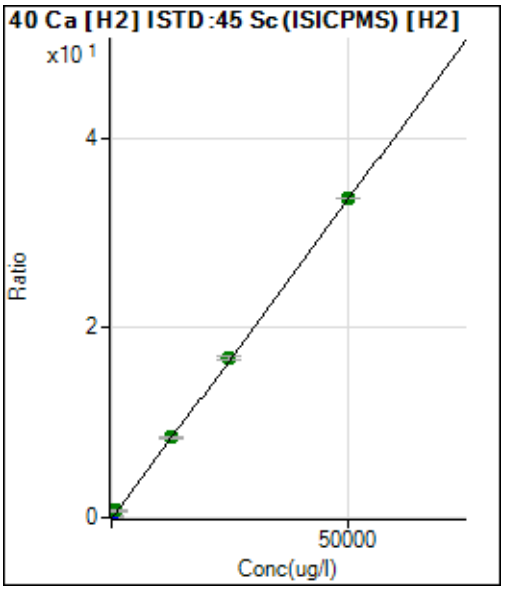


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	8488.21	0.0791	P	1.2	
2	☐	200.000	202.536	13818.05	0.1279	P	2.7	1.3
3	☐	1000.000	1027.479	34964.97	0.3269	P	2.0	2.7
4	☐	12500.000	12781.496	341676.71	3.1622	P	0.9	2.3
5	☐	25000.000	25335.715	674112.10	6.1904	P	0.6	1.3
6	☐	50000.000	49761.209	1302270.58	12.0823	A	0.7	-0.5

y = 2.4122E-004 * x + 0.0791
R = 0.9999
DL = 11.5 ug/l
BEC = 327.7 ug/l

Weight: <None>
Min Conc: <None>

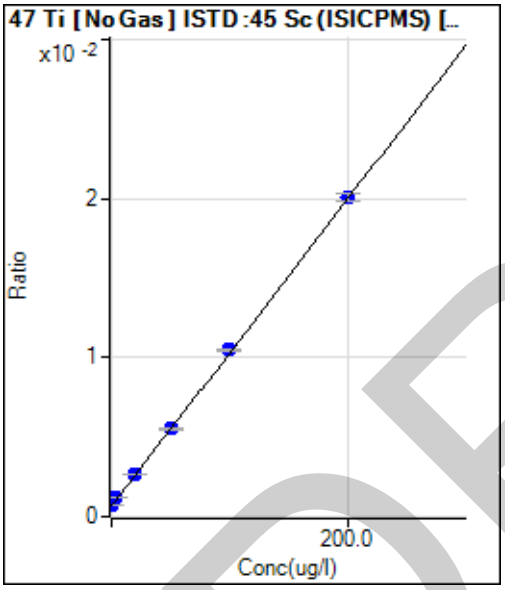
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	86658.85	0.0327	P	1.1	
2	☐	200.000	207.369	455527.66	0.1721	P	0.5	3.7
3	☐	1000.000	1011.196	1910936.39	0.7125	A	1.9	1.1
4	☐	12500.000	12492.099	22830172.16	8.4318	A	0.8	-0.1
5	☐	25000.000	25001.137	45627527.65	16.8424	A	2.6	0.0
6	☐	50000.000	50001.154	89696860.88	33.6513	A	0.3	0.0

y = 6.7236E-004 * x + 0.0327
R = 1.0000
DL = 1.55 ug/l
BEC = 48.58 ug/l

Weight: <None>
Min Conc: <None>

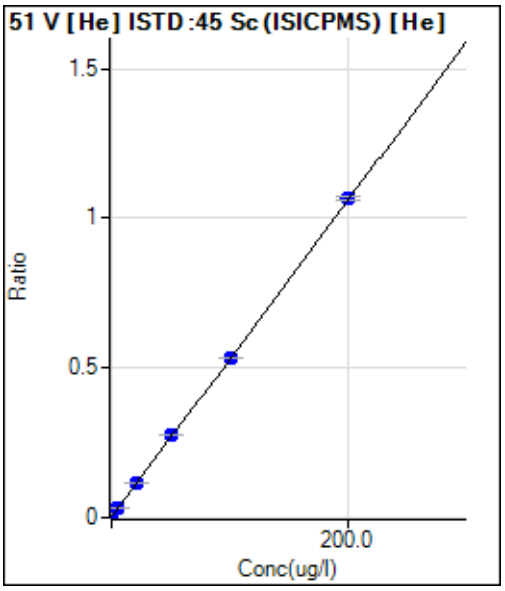


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	5323.31	0.0008	P	3.3	
2	☐	4.000	4.177	7976.81	0.0012	P	1.5	4.4
3	☐	20.000	19.998	18739.60	0.0027	P	0.5	0.0
4	☐	50.000	49.323	38461.76	0.0055	P	1.3	-1.4
5	☐	100.000	100.439	72899.72	0.0105	P	1.9	0.4
6	☐	200.000	199.946	139971.98	0.0201	P	2.4	0.0

y = 9.6636E-005 * x + 7.6386E-004
R = 1.0000
DL = 0.7863 ug/l
BEC = 7.905 ug/l

Weight: <None>
Min Conc: <None>

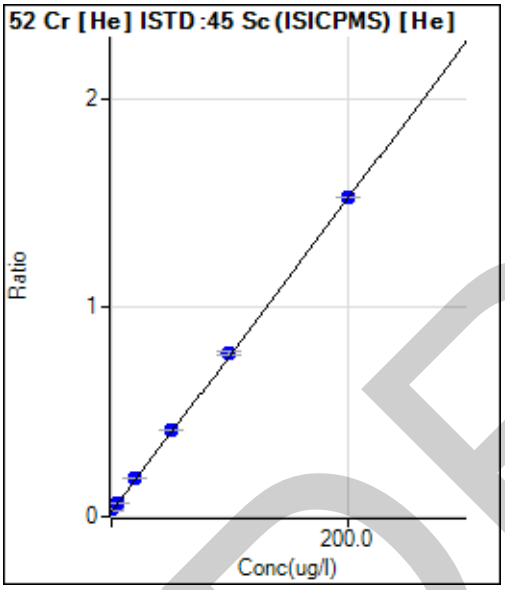
DRAFT



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1106.72	0.0103	P	8.4	
2	☐	4.000	4.028	3410.45	0.0316	P	3.3	0.7
3	☐	20.000	19.741	12247.74	0.1145	P	1.0	-1.3
4	☐	50.000	50.714	30037.32	0.2780	P	1.0	1.4
5	☐	100.000	99.143	58107.83	0.5336	P	1.2	-0.9
6	☐	200.000	200.276	115048.31	1.0674	P	1.1	0.1

y = 0.0053 * x + 0.0103
R = 1.0000
DL = 0.4895 ug/l
BEC = 1.952 ug/l

Weight: <None>
Min Conc: <None>

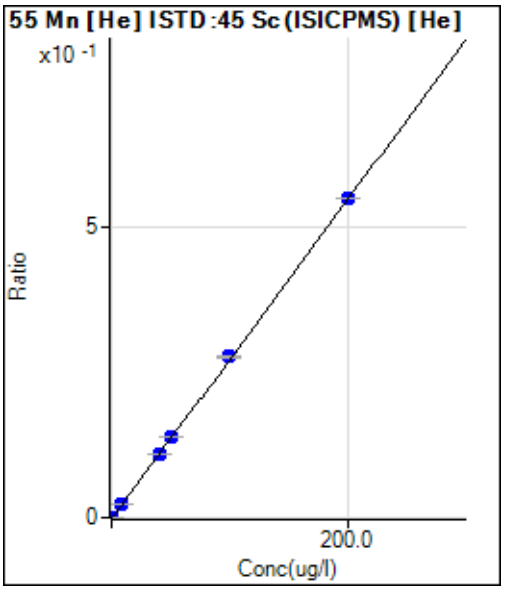


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	3504.92	0.0326	P	7.7	
2	☐	4.000	3.874	6657.20	0.0616	P	0.7	-3.1
3	☐	20.000	19.972	19471.68	0.1820	P	2.2	-0.1
4	☐	50.000	50.779	44568.94	0.4125	P	0.2	1.6
5	☐	100.000	100.122	85108.35	0.7816	P	2.2	0.1
6	☐	200.000	199.750	164563.50	1.5268	P	0.4	-0.1

y = 0.0075 * x + 0.0326
R = 1.0000
DL = 1.012 ug/l
BEC = 4.363 ug/l

Weight: <None>
Min Conc: <None>

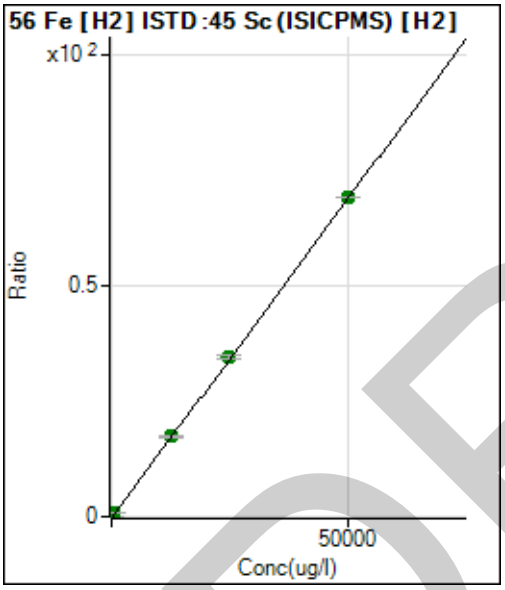
DRAFT



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	87.78	0.0008	P	23.2	
2	☐	8.000	8.202	2525.81	0.0234	P	5.4	2.5
3	☐	40.000	39.842	11809.61	0.1104	P	1.1	-0.4
4	☐	50.000	50.685	15152.90	0.1402	P	0.3	1.4
5	☐	100.000	100.304	30133.23	0.2767	P	1.5	0.3
6	☐	200.000	199.700	59293.75	0.5501	P	0.3	-0.1

y = 0.0028 * x + 8.1740E-004
R = 1.0000
DL = 0.2069 ug/l
BEC = 0.2972 ug/l

Weight: <None>
Min Conc: <None>

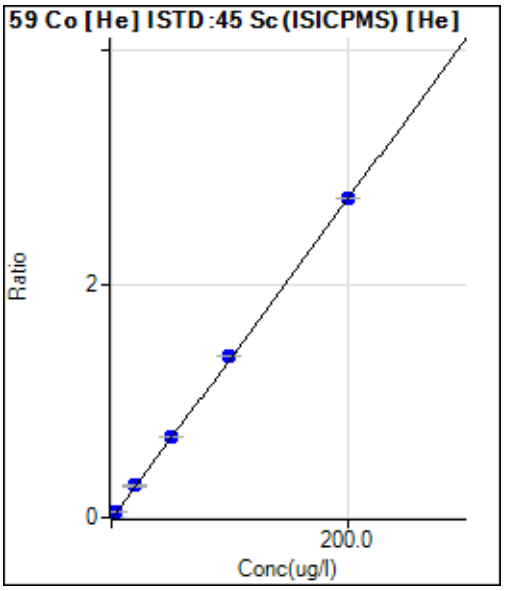


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	90244.23	0.0340	P	0.6	
2	☐	120.000	122.764	540350.60	0.2041	P	0.2	2.3
3	☐	600.000	608.664	2353212.33	0.8774	A	1.0	1.4
4	☐	12500.000	12529.793	47103450.97	17.3967	A	1.1	0.2
5	☐	25000.000	25002.515	93952450.82	34.6802	A	2.3	0.0
6	☐	50000.000	49991.184	184736832.80	69.3072	A	0.3	0.0

y = 0.0014 * x + 0.0340
R = 1.0000
DL = 0.4427 ug/l
BEC = 24.54 ug/l

Weight: <None>
Min Conc: <None>

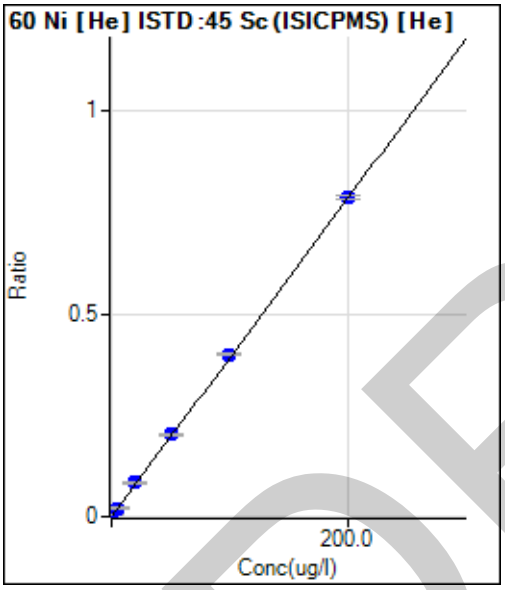
DRAFT



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	75.56	0.0007	P	22.7	
2	☐	4.000	4.047	6072.51	0.0562	P	1.1	1.2
3	☐	20.000	19.910	29284.75	0.2738	P	1.8	-0.4
4	☐	50.000	50.620	75092.51	0.6950	P	0.2	1.2
5	☐	100.000	100.952	150847.47	1.3853	P	0.2	1.0
6	☐	200.000	199.377	294808.53	2.7351	P	0.4	-0.3

y = 0.0137 * x + 7.0367E-004
R = 1.0000
DL = 0.03494 ug/l
BEC = 0.05131 ug/l

Weight: <None>
Min Conc: <None>

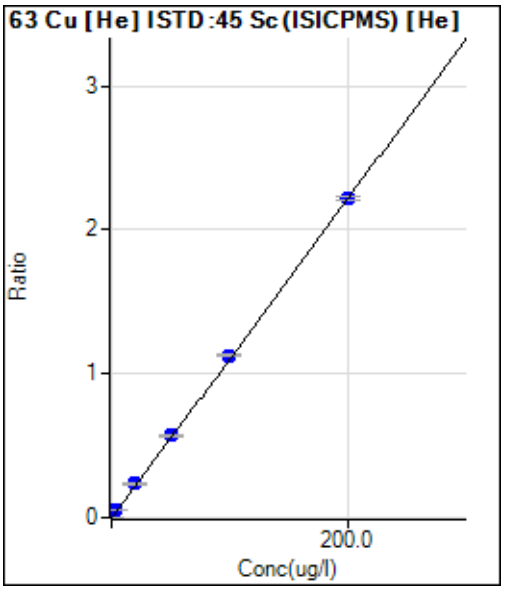


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	471.12	0.0044	P	6.2	
2	☐	4.000	4.132	2226.86	0.0206	P	7.9	3.3
3	☐	20.000	20.213	8961.88	0.0838	P	1.8	1.1
4	☐	50.000	50.376	21855.29	0.2023	P	1.1	0.8
5	☐	100.000	100.660	43531.45	0.3998	P	1.5	0.7
6	☐	200.000	199.552	84950.84	0.7882	P	0.9	-0.2

y = 0.0039 * x + 0.0044
R = 1.0000
DL = 0.2076 ug/l
BEC = 1.117 ug/l

Weight: <None>
Min Conc: <None>

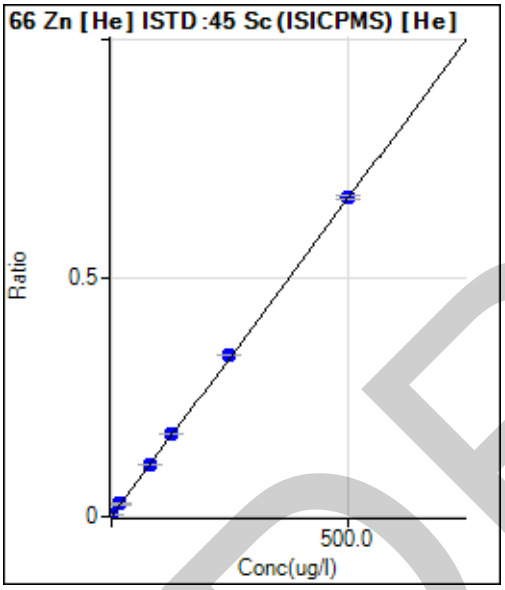
DRAFT



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	696.69	0.0065	P	5.0	
2	☐	4.000	4.083	5597.85	0.0518	P	3.0	2.1
3	☐	20.000	20.522	25063.06	0.2343	P	1.1	2.6
4	☐	50.000	50.821	61659.99	0.5707	P	1.1	1.6
5	☐	100.000	100.837	122607.71	1.1259	P	0.9	0.8
6	☐	200.000	199.322	239191.21	2.2192	P	1.6	-0.3

y = 0.0111 * x + 0.0065
R = 1.0000
DL = 0.08819 ug/l
BEC = 0.5844 ug/l

Weight: <None>
Min Conc: <None>

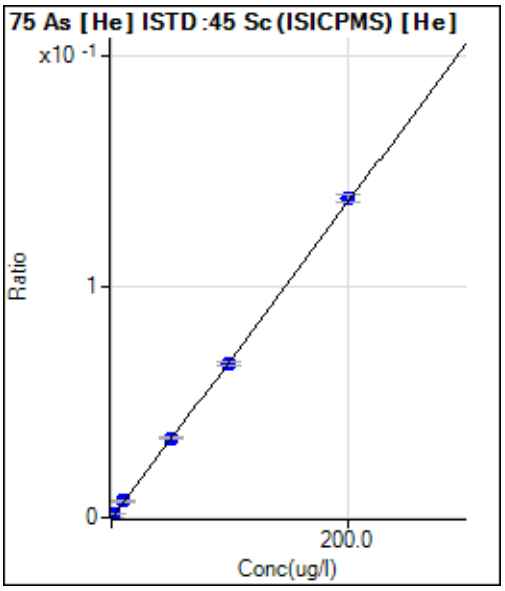


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	500.01	0.0047	P	11.4	
2	☐	16.000	16.390	2860.32	0.0265	P	5.2	2.4
3	☐	80.000	78.903	11734.00	0.1097	P	0.2	-1.4
4	☐	125.000	125.901	18613.91	0.1723	P	0.6	0.7
5	☐	250.000	250.742	36857.56	0.3385	P	0.5	0.3
6	☐	500.000	499.567	72183.98	0.6697	P	1.4	-0.1

y = 0.0013 * x + 0.0047
R = 1.0000
DL = 1.196 ug/l
BEC = 3.499 ug/l

Weight: <None>
Min Conc: <None>

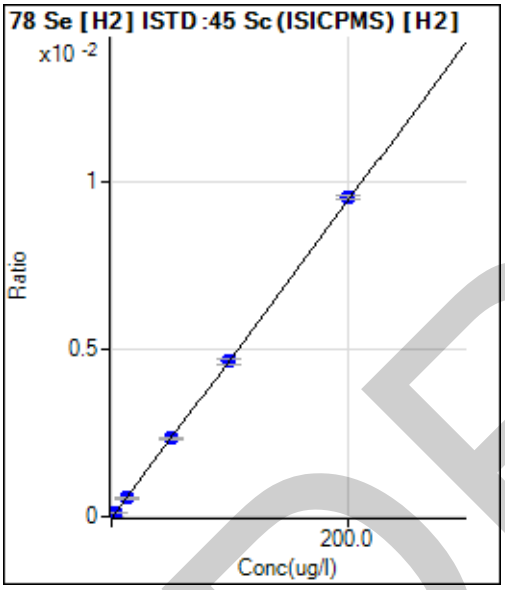
DRAFT



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	36.66	0.0003	P	41.3	
2	☐	2.000	1.952	181.12	0.0017	P	17.3	-2.4
3	☐	10.000	9.987	766.69	0.0072	P	3.9	-0.1
4	☐	50.000	49.845	3718.31	0.0344	P	1.8	-0.3
5	☐	100.000	97.062	7261.98	0.0667	P	2.8	-2.9
6	☐	200.000	201.509	14881.53	0.1381	P	2.8	0.8

y = 6.8354E-004 * x + 3.4109E-004
R = 0.9998
DL = 0.6181 ug/l
BEC = 0.499 ug/l

Weight: <None>
Min Conc: <None>

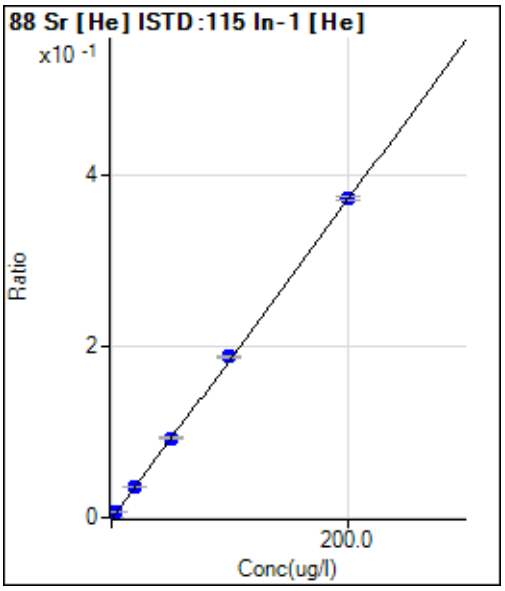


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	8.89	0.0000	P	77.4	
2	☐	2.500	2.296	296.67	0.0001	P	7.4	-8.1
3	☐	12.500	11.522	1472.31	0.0005	P	7.4	-7.8
4	☐	50.000	49.122	6307.07	0.0023	P	1.7	-1.8
5	☐	100.000	97.962	12575.93	0.0046	P	3.5	-2.0
6	☐	200.000	201.302	25417.29	0.0095	P	1.2	0.7

y = 4.7354E-005 * x + 3.3373E-006
R = 0.9999
DL = 0.1637 ug/l
BEC = 0.07048 ug/l

Weight: <None>
Min Conc: <None>

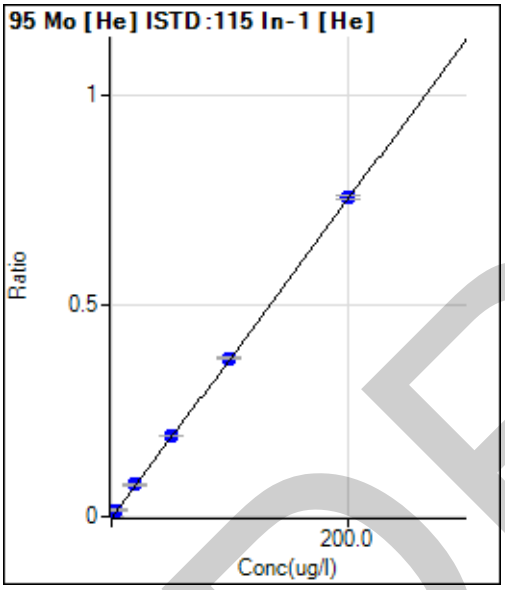
DRAFT



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	22.22	0.0002	P	23.3	
2	☐	4.000	3.846	907.82	0.0074	P	2.5	-3.9
3	☐	20.000	18.874	4384.08	0.0354	P	3.1	-5.6
4	☐	50.000	49.741	11551.74	0.0930	P	1.4	-0.5
5	☐	100.000	100.555	23127.77	0.1879	P	0.4	0.6
6	☐	200.000	199.903	45653.00	0.3733	P	1.5	0.0

y = 0.0019 * x + 1.7814E-004
R = 1.0000
DL = 0.06669 ug/l
BEC = 0.09543 ug/l

Weight: <None>
Min Conc: <None>

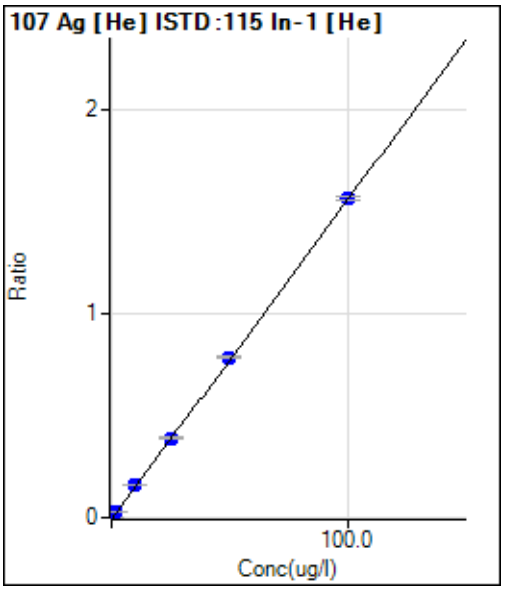


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	38.89	0.0003	P	13.9	
2	☐	4.000	4.044	1924.60	0.0156	P	7.5	1.1
3	☐	20.000	19.874	9339.99	0.0754	P	2.7	-0.6
4	☐	50.000	50.380	23686.71	0.1908	P	0.3	0.8
5	☐	100.000	99.181	46187.81	0.3752	P	1.6	-0.8
6	☐	200.000	200.326	92638.17	0.7576	P	1.7	0.2

y = 0.0038 * x + 3.1169E-004
R = 1.0000
DL = 0.03441 ug/l
BEC = 0.08246 ug/l

Weight: <None>
Min Conc: <None>

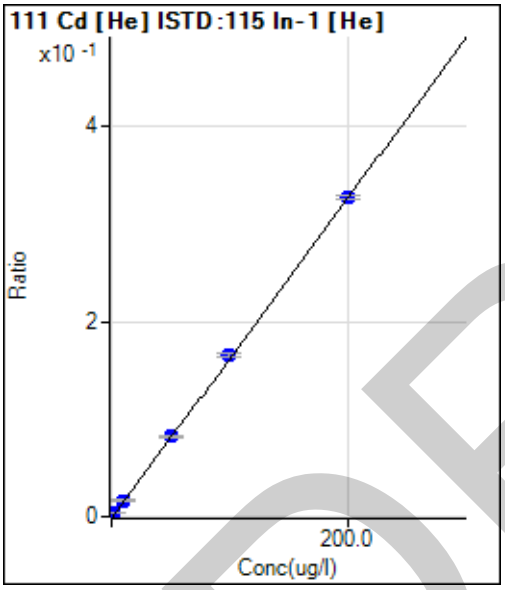
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	8.89	0.0001	P	94.2	
2	☐	2.000	2.026	3928.39	0.0318	P	2.6	1.3
3	☐	10.000	9.990	19398.81	0.1567	P	1.1	-0.1
4	☐	25.000	24.888	48453.34	0.3902	P	1.1	-0.4
5	☐	50.000	50.196	96866.96	0.7869	P	1.1	0.4
6	☐	100.000	99.930	191574.83	1.5665	P	0.8	-0.1

y = 0.0157 * x + 7.0811E-005
R = 1.0000
DL = 0.01276 ug/l
BEC = 0.004517 ug/l

Weight: <None>
Min Conc: <None>

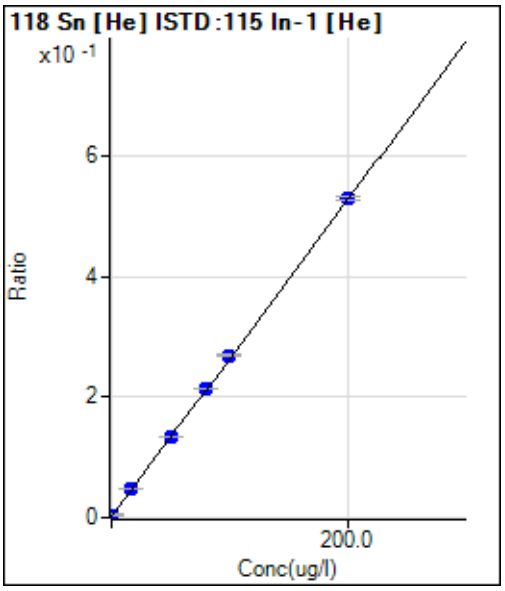


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	0.00	0.0000	P		
2	☐	2.000	2.062	417.79	0.0034	P	6.3	3.1
3	☐	10.000	10.138	2061.29	0.0166	P	3.6	1.4
4	☐	50.000	50.213	10237.37	0.0825	P	2.6	0.4
5	☐	100.000	100.875	20390.27	0.1656	P	1.5	0.9
6	☐	200.000	199.502	40064.08	0.3276	P	1.0	-0.2

y = 0.0016 * x + 0.0000E+000
R = 1.0000
DL = 0 ug/l
BEC = 0 ug/l

Weight: <None>
Min Conc: <None>

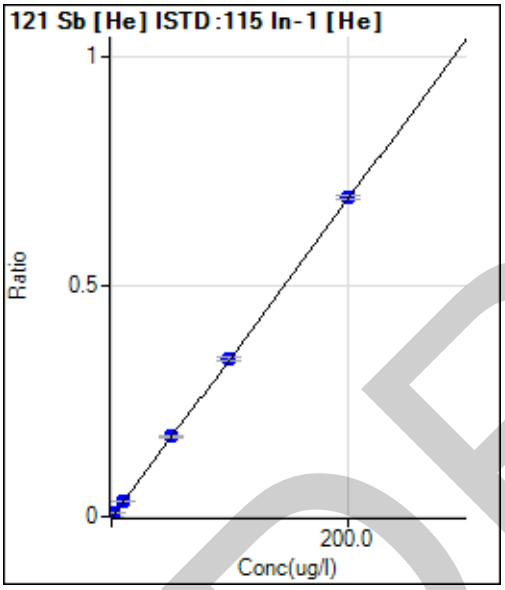
DRAFT



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	574.46	0.0046	P	12.9	
2	☐	16.000	16.305	5856.91	0.0475	P	1.9	1.9
3	☐	80.000	79.682	26503.49	0.2140	P	0.3	-0.4
4	☐	50.000	49.369	16684.01	0.1344	P	1.2	-1.3
5	☐	100.000	100.750	33166.32	0.2694	P	0.9	0.8
6	☐	200.000	199.885	64813.95	0.5300	P	1.0	-0.1

y = 0.0026 * x + 0.0046
R = 1.0000
DL = 0.6786 ug/l
BEC = 1.751 ug/l

Weight: <None>
Min Conc: <None>

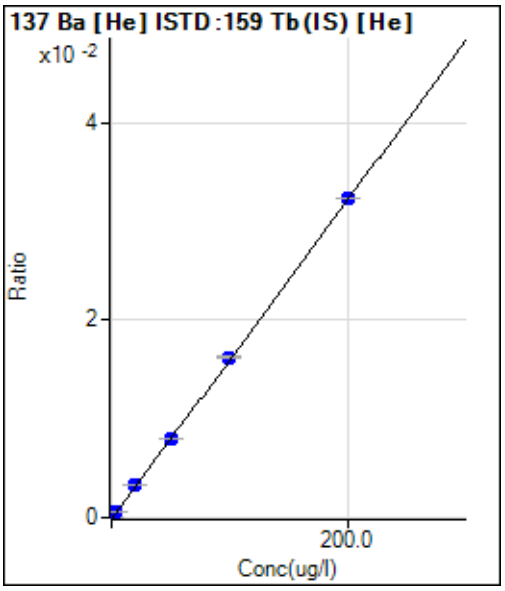


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	38.89	0.0003	P	9.1	
2	☐	2.000	1.984	886.71	0.0072	P	6.5	-0.8
3	☐	10.000	9.787	4236.27	0.0342	P	5.4	-2.1
4	☐	50.000	50.256	21658.93	0.1744	P	1.8	0.5
5	☐	100.000	99.317	42389.18	0.3444	P	2.3	-0.7
6	☐	200.000	200.288	84891.73	0.6942	P	0.7	0.1

y = 0.0035 * x + 3.1134E-004
R = 1.0000
DL = 0.02466 ug/l
BEC = 0.08987 ug/l

Weight: <None>
Min Conc: <None>

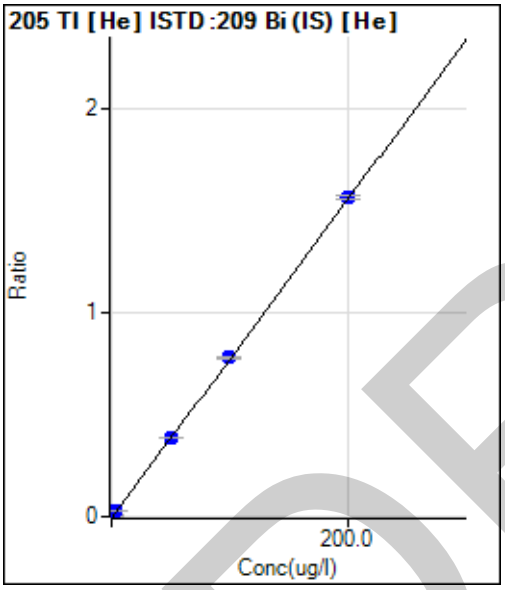
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	10.00	0.0000	P	99.6	
2	☐	4.000	3.735	451.12	0.0006	P	13.6	-6.6
3	☐	20.000	20.180	2395.79	0.0033	P	1.5	0.9
4	☐	50.000	49.651	5898.05	0.0080	P	0.3	-0.7
5	☐	100.000	100.217	11932.21	0.0162	P	1.0	0.2
6	☐	200.000	199.966	23630.43	0.0323	P	0.3	0.0

y = 1.6158E-004 * x + 1.3463E-005
R = 1.0000
DL = 0.249 ug/l
BEC = 0.08332 ug/l

Weight: <None>
Min Conc: <None>

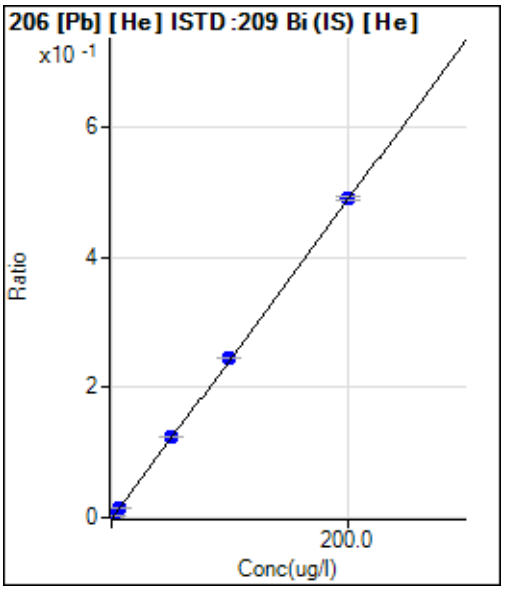


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	302.23	0.0005	P	3.1	
2	☐	0.800	0.779	4269.67	0.0065	P	4.3	-2.6
3	☐	4.000	3.970	20436.85	0.0314	P	0.5	-0.8
4	☐	50.000	49.439	246674.13	0.3861	P	0.8	-1.1
5	☐	100.000	99.575	496369.01	0.7771	P	1.1	-0.4
6	☐	200.000	200.354	981995.49	1.5632	P	1.0	0.2

y = 0.0078 * x + 4.6069E-004
R = 1.0000
DL = 0.005479 ug/l
BEC = 0.05906 ug/l

Weight: <None>
Min Conc: <None>

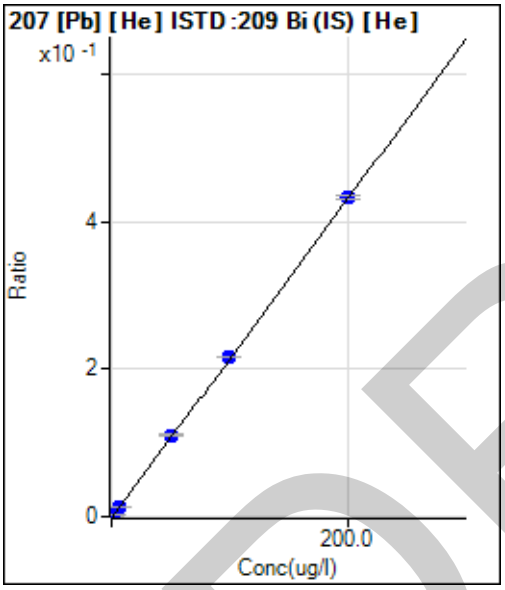
DRAFT



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	211.11	0.0003	P	18.4	
2	☐	1.200	1.105	1983.50	0.0030	P	5.2	-7.9
3	☐	6.000	6.014	9809.49	0.0151	P	0.3	0.2
4	☐	50.000	50.214	78958.24	0.1236	P	0.3	0.4
5	☐	100.000	99.851	156759.11	0.2454	P	0.5	-0.1
6	☐	200.000	200.021	308645.30	0.4913	P	0.9	0.0

y = 0.0025 * x + 3.2186E-004
R = 1.0000
DL = 0.07235 ug/l
BEC = 0.1311 ug/l

Weight: <None>
Min Conc: <None>

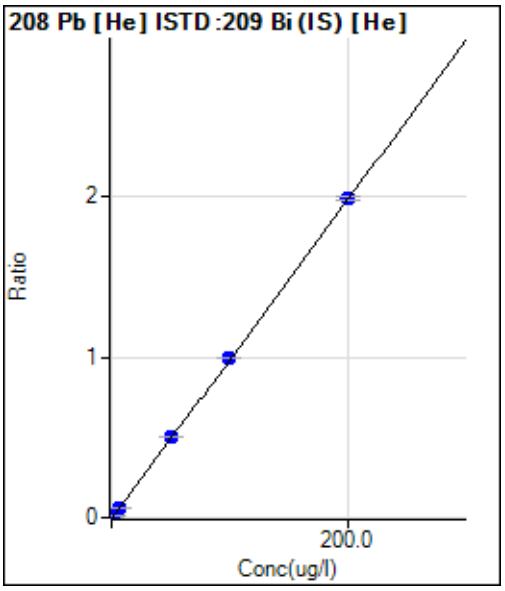


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	202.22	0.0003	P	14.7	
2	☐	1.200	1.177	1867.94	0.0029	P	5.5	-1.9
3	☐	6.000	5.981	8620.83	0.0133	P	2.1	-0.3
4	☐	50.000	50.886	70576.57	0.1105	P	2.1	1.8
5	☐	100.000	99.747	138121.16	0.2162	P	0.2	-0.3
6	☐	200.000	199.906	272054.73	0.4331	P	0.7	0.0

y = 0.0022 * x + 3.0817E-004
R = 1.0000
DL = 0.06271 ug/l
BEC = 0.1424 ug/l

Weight: <None>
Min Conc: <None>

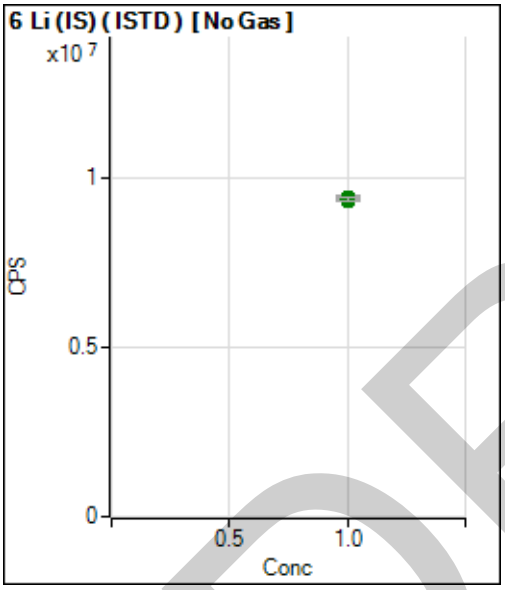
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	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	831.13	0.0013	P	10.0	
2	☐	1.200	1.168	8436.76	0.0129	P	2.1	-2.7
3	☐	6.000	5.972	39538.30	0.0608	P	0.6	-0.5
4	☐	50.000	50.180	320366.58	0.5014	P	1.1	0.4
5	☐	100.000	100.114	638195.09	0.9992	P	0.2	0.1
6	☐	200.000	199.899	1252430.50	1.9938	P	1.6	-0.1

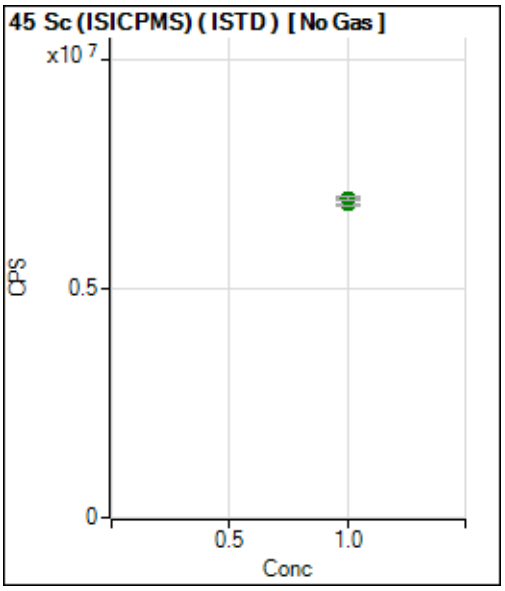
y = 0.0100 * x + 0.0013
R = 1.0000
DL = 0.03797 ug/l
BEC = 0.1271 ug/l

Weight: <None>
Min Conc: <None>

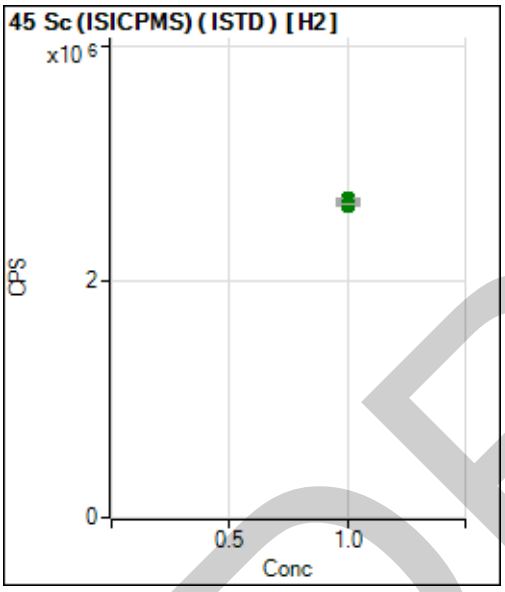


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		9414383.40		A	1.0	
2	☐	1.000		9296664.72		A	0.3	
3	☐	1.000		9416187.98		A	0.1	
4	☐	1.000		9369255.76		A	0.8	
5	☐	1.000		9389873.47		A	0.7	
6	☐	1.000		9369850.69		A	1.5	

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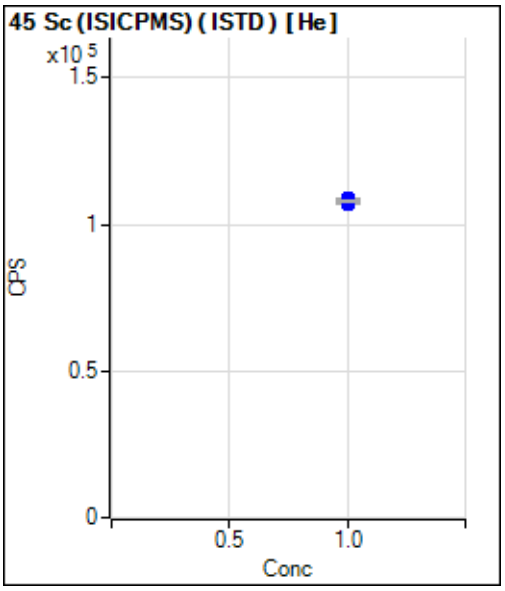


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		6969325.38		A	0.7	
2	☐	1.000		6832398.09		A	0.5	
3	☐	1.000		6949783.92		A	0.7	
4	☐	1.000		6955326.63		A	0.8	
5	☐	1.000		6963637.53		A	1.2	
6	☐	1.000		6969736.35		A	1.2	

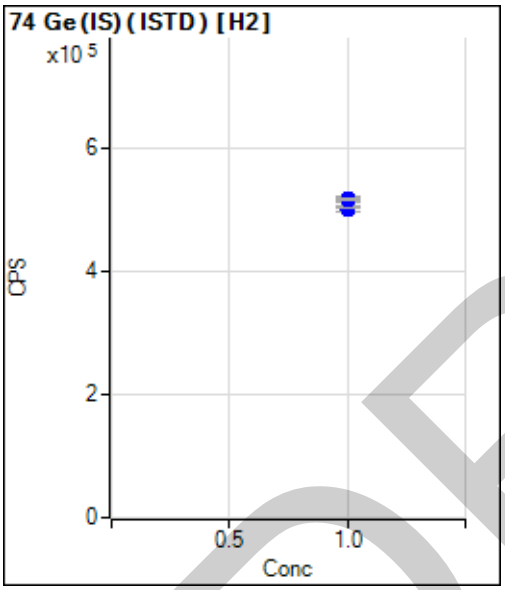


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		2653446.99		A	0.8	
2	☐	1.000		2647115.27		A	0.5	
3	☐	1.000		2681958.40		A	0.5	
4	☐	1.000		2707653.47		A	0.4	
5	☐	1.000		2709220.97		A	0.3	
6	☐	1.000		2665479.61		A	0.1	

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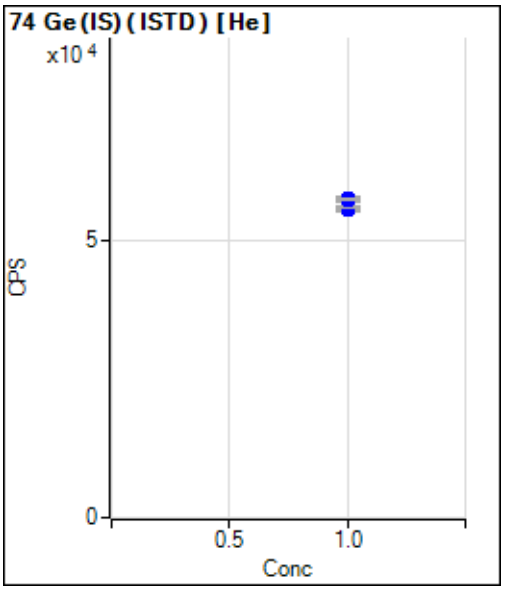


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		107379.65		P	0.4	
2	☐	1.000		108042.51		P	0.6	
3	☐	1.000		106965.13		P	0.3	
4	☐	1.000		108054.67		P	0.7	
5	☐	1.000		108895.47		P	0.1	
6	☐	1.000		107785.47		P	0.6	

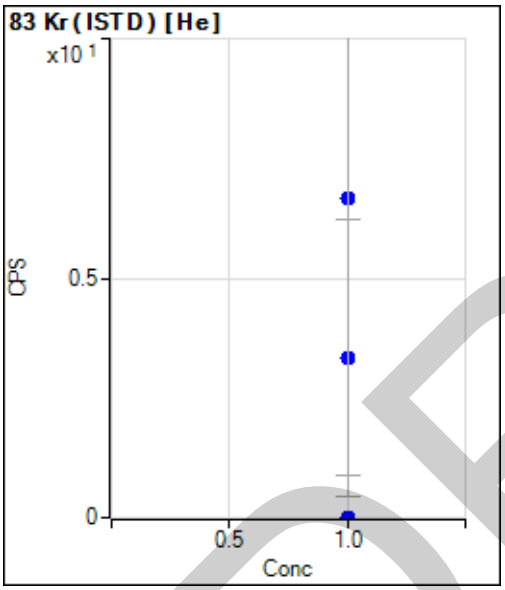


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		505553.61		P	0.5	
2	☐	1.000		499129.69		P	1.2	
3	☐	1.000		503789.16		P	0.2	
4	☐	1.000		514669.41		P	0.8	
5	☐	1.000		518229.69		P	1.1	
6	☐	1.000		517108.74		P	0.7	

DRAFT

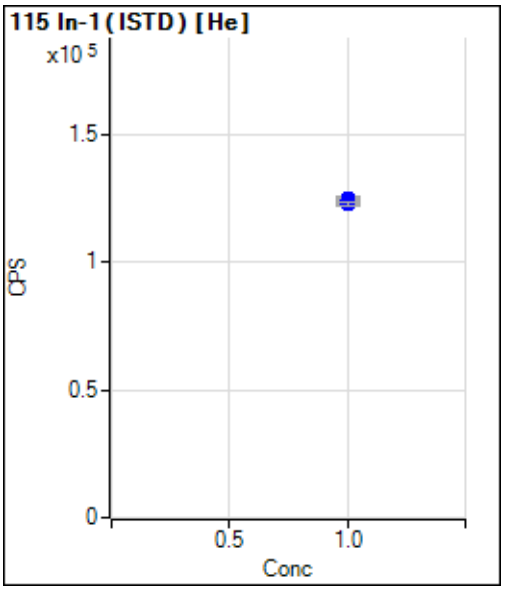


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		55569.01		P	1.3	
2	☐	1.000		55572.36		P	0.5	
3	☐	1.000		56152.53		P	0.6	
4	☐	1.000		57317.51		P	1.1	
5	☐	1.000		57777.21		P	1.4	
6	☐	1.000		57772.72		P	0.6	

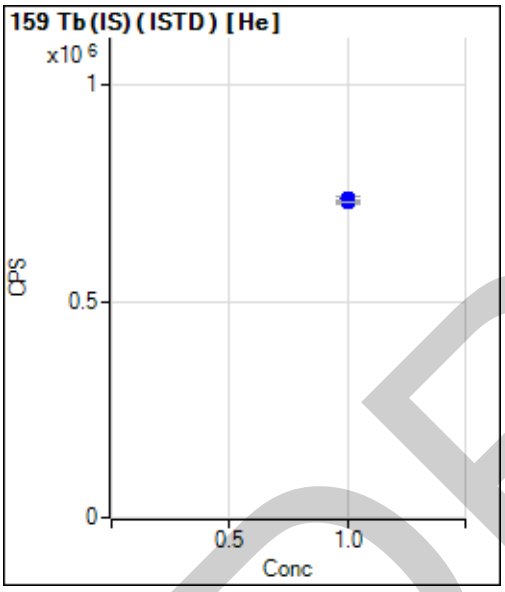


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		3.34		P	173.2	
2	☐	1.000		6.67		P	173.2	
3	☐	1.000		3.34		P	173.2	
4	☐	1.000		0.00		P		
5	☐	1.000		0.00		P		
6	☐	1.000		0.00		P		

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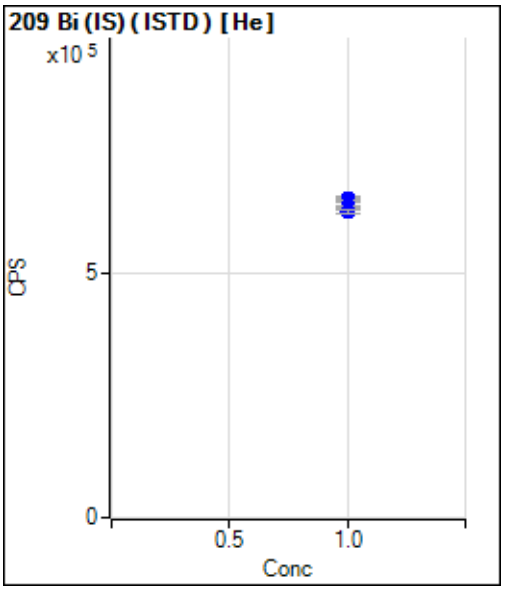


	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		124858.87		P	0.9	
2	☐	1.000		123405.74		P	0.2	
3	☐	1.000		123820.57		P	0.4	
4	☐	1.000		124173.24		P	0.8	
5	☐	1.000		123098.90		P	0.4	
6	☐	1.000		122301.64		P	1.3	



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		739286.95		P	0.8	
2	☐	1.000		731627.32		P	0.7	
3	☐	1.000		731743.39		P	1.0	
4	☐	1.000		733937.79		P	0.4	
5	☐	1.000		736251.60		P	0.1	
6	☐	1.000		731043.83		P	0.3	

DRAFT



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		656020.60		P	0.4	
2	☐	1.000		653584.19		P	1.8	
3	☐	1.000		650329.31		P	0.6	
4	☐	1.000		638916.65		P	0.6	
5	☐	1.000		638735.88		P	0.8	
6	☐	1.000		628222.91		P	0.8	

DRAFT

070924TSS

Method: 7471B Operator: Admin Date of Analysis: 09 Jul 2024 01:51:08

Sample ID	µ Abs.	Conc.	Chapter	Method	Date	Element	Units
Cal Blank - 1	263	-	984146HG1	7471B	09 Jul 2024 03:45:19	Hg	ug/L
0.2 ug/L - 1	1774	-	984146HG1	7471B	09 Jul 2024 03:47:04	Hg	ug/L
1.0 ug/L - 1	9087	-	984146HG1	7471B	09 Jul 2024 03:48:50	Hg	ug/L
2.0 ug/L - 1	13980	-	984146HG1	7471B	09 Jul 2024 03:50:36	Hg	ug/L
5.0 ug/L - 1	34380	-	984146HG1	7471B	09 Jul 2024 03:52:24	Hg	ug/L
10.0 ug/L - 1	67397	-	984146HG1	7471B	09 Jul 2024 03:54:16	Hg	ug/L
ICV - 1	0	(L)-2.8% -0.1389	984146HG1	7471B	09 Jul 2024 03:56:15	Hg	ug/L
1.0 ug/L - 1	8681	-	984146HG1	7471B	09 Jul 2024 03:57:33	Hg	ug/L
2.0 ug/L - 1	0	-	984146HG1	7471B	09 Jul 2024 03:59:18	Hg	ug/L
Cal Blank - 1	163	-	984146HG1	7471B	09 Jul 2024 04:00:19	Hg	ug/L
0.2 ug/L - 1	1731	-	984146HG1	7471B	09 Jul 2024 04:02:04	Hg	ug/L
1.0 ug/L - 1	8340	-	984146HG1	7471B	09 Jul 2024 04:03:50	Hg	ug/L
2.0 ug/L - 1	14252	-	984146HG1	7471B	09 Jul 2024 04:05:35	Hg	ug/L
5.0 ug/L - 1	34259	-	984146HG1	7471B	09 Jul 2024 04:07:23	Hg	ug/L
10.0 ug/L - 1	68241	-	984146HG1	7471B	09 Jul 2024 04:09:14	Hg	ug/L
ICV - 1	0	(L)-1.9% -0.0974	984146HG1	7471B	09 Jul 2024 04:11:13	Hg	ug/L
Cal Blank - 1	129	-	984146HG1	7471B	09 Jul 2024 04:12:35	Hg	ug/L
0.2 ug/L - 1	1840	-	984146HG1	7471B	09 Jul 2024 04:14:21	Hg	ug/L
1.0 ug/L - 1	7888	-	984146HG1	7471B	09 Jul 2024 04:16:07	Hg	ug/L
2.0 ug/L - 1	14320	-	984146HG1	7471B	09 Jul 2024 04:17:52	Hg	ug/L
5.0 ug/L - 1	33344	-	984146HG1	7471B	09 Jul 2024 04:19:40	Hg	ug/L
10.0 ug/L - 1	68516	-	984146HG1	7471B	09 Jul 2024 04:21:32	Hg	ug/L
ICV - 1	34110	99.4% 4.9685	984146HG1	7471B	09 Jul 2024 04:23:29	Hg	ug/L
ICB - 1	-111	-0.0853	984146HG1	7471B	09 Jul 2024 04:25:35	Hg	ug/L
CCV - 1	34500	100.5% 5.0261	984146HG1	7471B	09 Jul 2024 04:27:35	Hg	ug/L
CCB - 1	-191	-0.0971	984146HG1	7471B	09 Jul 2024 04:29:19	Hg	ug/L
mb 460-984146/10-a - 1	453	-0.0020	984146HG1	7471B	09 Jul 2024 04:31:18	Hg	ug/L
lcssrm 460-984146/11-a@20 - 1	48713	7.1252	984146HG1	7471B	09 Jul 2024 04:33:02	Hg	ug/L
460-306970-e-23-c - 1	14860	2.1256	984146HG1	7471B	09 Jul 2024 04:34:45	Hg	ug/L
460-306970-e-23-d du - 1	15883	2.2767	984146HG1	7471B	09 Jul 2024 04:36:46	Hg	ug/L
460-306970-e-23-e ms - 1	22505	3.2547	984146HG1	7471B	09 Jul 2024 04:38:35	Hg	ug/L
SD 460-306970-e-23-c@5 - 1	3437	0.4387	984146HG1	7471B	09 Jul 2024 04:40:22	Hg	ug/L
460-306970-f-24-c - 1	12810	1.8229	984146HG1	7471B	09 Jul 2024 04:42:12	Hg	ug/L
460-306970-f-26-c - 1	26197	3.7999	984146HG1	7471B	09 Jul 2024 04:43:59	Hg	ug/L
460-306970-g-27-b - 1	49255	7.2052	984146HG1	7471B	09 Jul 2024 04:45:46	Hg	ug/L
460-307042-b-1-g - 1	6602	0.9061	984146HG1	7471B	09 Jul 2024 04:47:39	Hg	ug/L
CCV - 1	34276	99.9% 4.9931	984146HG1	7471B	09 Jul 2024 04:49:35	Hg	ug/L
CCB - 1	-105	-0.0844	984146HG1	7471B	09 Jul 2024 04:51:21	Hg	ug/L
460-307098-b-1-b - 1	1184	0.1059	984146HG1	7471B	09 Jul 2024 04:53:21	Hg	ug/L
460-307098-b-2-b - 1	58426	8.5596	984146HG1	7471B	09 Jul 2024 04:55:06	Hg	ug/L
460-307098-b-4-b - 1	5064	0.6789	984146HG1	7471B	09 Jul 2024 04:56:52	Hg	ug/L
460-307098-b-5-b - 1	124803	18.3624	984146HG1	7471B	09 Jul 2024 04:58:49	Hg	ug/L
460-307098-c-7-b - 1	3227	0.4077	984146HG1	7471B	09 Jul 2024 05:00:35	Hg	ug/L
460-307098-b-8-b - 1	4916	0.6571	984146HG1	7471B	09 Jul 2024 05:02:42	Hg	ug/L
460-307098-b-10-b - 1	3732	0.4822	984146HG1	7471B	09 Jul 2024 05:04:28	Hg	ug/L
460-307098-b-11-b - 1	45753	6.6880	984146HG1	7471B	09 Jul 2024 05:06:14	Hg	ug/L
460-306723-c-1-a - 1	944	0.0705	984146HG1	7471B	09 Jul 2024 05:08:00	Hg	ug/L
460-306985-e-1-b - 1	345	-0.0180	984146HG1	7471B	09 Jul 2024 05:09:54	Hg	ug/L
CCV - 1	34040	99.2% 4.9582	984146HG1	7471B	09 Jul 2024 05:11:39	Hg	ug/L
CCB - 1	-73	-0.0797	984146HG1	7471B	09 Jul 2024 05:13:23	Hg	ug/L
460-306985-f-2-b - 1	456	-0.0016	984146HG1	7471B	09 Jul 2024 05:15:23	Hg	ug/L
460-306985-e-3-b - 1	435	-0.0047	984146HG1	7471B	09 Jul 2024 05:17:08	Hg	ug/L
460-306985-e-4-c - 1	412	-0.0081	984146HG1	7471B	09 Jul 2024 05:18:53	Hg	ug/L
460-306985-e-5-c - 1	322	-0.0214	984146HG1	7471B	09 Jul 2024 05:20:39	Hg	ug/L
460-306985-e-6-c - 1	267	-0.0295	984146HG1	7471B	09 Jul 2024 05:22:25	Hg	ug/L
mb 460-984147/1-a - 1	440	-0.0039	984146HG1	7471B	09 Jul 2024 05:24:09	Hg	ug/L
lcssrm 460-984147/2-a@20 - 1	50783	7.4309	984146HG1	7471B	09 Jul 2024 05:25:53	Hg	ug/L
460-307022-d-1-f - 1	1457	0.1463	984146HG1	7471B	09 Jul 2024 05:27:37	Hg	ug/L
460-307022-d-1-g du - 1	1600	0.1674	984146HG1	7471B	09 Jul 2024 05:29:38	Hg	ug/L
460-307022-d-1-h ms - 1	8870	1.2410	984146HG1	7471B	09 Jul 2024 05:31:23	Hg	ug/L
CCV - 1	34295	99.9% 4.9959	984146HG1	7471B	09 Jul 2024 05:33:08	Hg	ug/L
CCB - 1	-138	-0.0893	984146HG1	7471B	09 Jul 2024 05:34:54	Hg	ug/L
SD 460-307022-d-1-f@5 - 1	970	0.0743	984146HG1	7471B	09 Jul 2024 05:36:53	Hg	ug/L
460-307021-d-1-f - 1	2912	0.3611	984146HG1	7471B	09 Jul 2024 05:38:38	Hg	ug/L
460-307022-d-2-g - 1	1761	0.1911	984146HG1	7471B	09 Jul 2024 05:40:22	Hg	ug/L
460-307022-d-3-f - 1	2241	0.2620	984146HG1	7471B	09 Jul 2024 05:42:09	Hg	ug/L
460-307022-d-4-f - 1	2722	0.3331	984146HG1	7471B	09 Jul 2024 05:43:56	Hg	ug/L
460-307025-b-1-f - 1	25540	3.7029	984146HG1	7471B	09 Jul 2024 05:45:42	Hg	ug/L
460-307027-a-2-g - 1	-3	-0.0694	984146HG1	7471B	09 Jul 2024 05:47:30	Hg	ug/L
460-307028-a-1-g - 1	282	-0.0273	984146HG1	7471B	09 Jul 2024 05:49:23	Hg	ug/L
460-307030-b-1-b - 1	5643	0.7645	984146HG1	7471B	09 Jul 2024 05:51:07	Hg	ug/L
460-307050-a-1-c - 1	56457	8.2688	984146HG1	7471B	09 Jul 2024 05:52:51	Hg	ug/L
CCV - 1	34621	100.9% 5.0440	984146HG1	7471B	09 Jul 2024 05:54:37	Hg	ug/L
CCB - 1	-68	-0.0790	984146HG1	7471B	09 Jul 2024 05:56:36	Hg	ug/L
460-307050-a-2-c - 1	15171	2.1716	984146HG1	7471B	09 Jul 2024 05:58:37	Hg	ug/L
460-307050-a-3-c - 1	14246	2.0350	984146HG1	7471B	09 Jul 2024 06:00:22	Hg	ug/L
460-307050-a-4-c - 1	12382	1.7597	984146HG1	7471B	09 Jul 2024 06:02:09	Hg	ug/L
460-307050-a-5-c - 1	53595	7.8462	984146HG1	7471B	09 Jul 2024 06:03:57	Hg	ug/L
460-307050-a-6-c - 1	6946	0.9569	984146HG1	7471B	09 Jul 2024 06:05:46	Hg	ug/L
460-307052-a-15-c - 1	1681	0.1793	984146HG1	7471B	09 Jul 2024 06:07:44	Hg	ug/L
460-307052-a-16-c - 1	2015	0.2287	984146HG1	7471B	09 Jul 2024 06:09:33	Hg	ug/L
460-306736-a-1-g - 1	24342	3.5260	984146HG1	7471B	09 Jul 2024 06:11:19	Hg	ug/L
460-306736-a-2-e - 1	13004	1.8515	984146HG1	7471B	09 Jul 2024 06:13:07	Hg	ug/L
460-306736-a-3-e - 1	12184	1.7304	984146HG1	7471B	09 Jul 2024 06:14:56	Hg	ug/L

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070924TSS

Method: 7471B Operator: Admin Date of Analysis: 09 Jul 2024 01:51:08

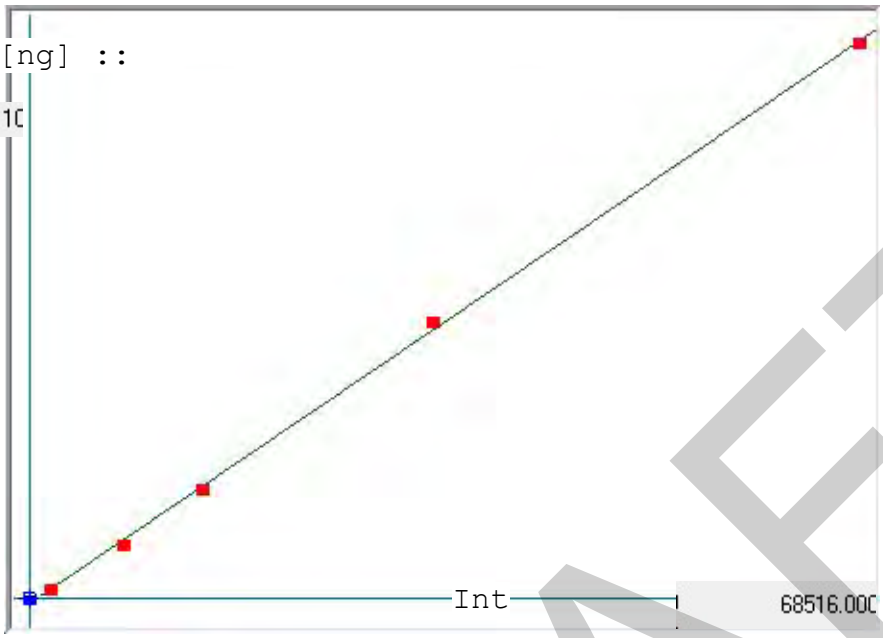
Sample ID	µ Abs.	Conc.	Chapter	Method	Date	Element	Units
CCV - 1	34483	100.5% 5.0236	984146HG1	7471B	09 Jul 2024 06:16:44	Hg	ug/L
CCB - 1	-114	-0.0858	984146HG1	7471B	09 Jul 2024 06:18:31	Hg	ug/L
mb 460-984148/1-a - 1	392	-0.0110	984146HG1	7471B	09 Jul 2024 06:20:30	Hg	ug/L
lcssrm 460-984148/2-a@20 - 1	50086	7.3279	984146HG1	7471B	09 Jul 2024 06:22:14	Hg	ug/L
460-307092-d-1-g - 1	1173	0.1043	984146HG1	7471B	09 Jul 2024 06:23:59	Hg	ug/L
460-307092-d-1-h du - 1	1449	0.1451	984146HG1	7471B	09 Jul 2024 06:26:01	Hg	ug/L
460-307092-d-1-i ms - 1	9332	1.3093	984146HG1	7471B	09 Jul 2024 06:27:46	Hg	ug/L
SD 460-307092-d-1-g@5 - 1	694	0.0336	984146HG1	7471B	09 Jul 2024 06:29:31	Hg	ug/L
460-306736-a-4-e - 1	11850	1.6811	984146HG1	7471B	09 Jul 2024 06:31:18	Hg	ug/L
460-306736-a-5-e - 1	15950	2.2866	984146HG1	7471B	09 Jul 2024 06:33:03	Hg	ug/L
460-306736-a-6-e - 1	16641	2.3887	984146HG1	7471B	09 Jul 2024 06:34:51	Hg	ug/L
460-306736-a-7-e - 1	14591	2.0859	984146HG1	7471B	09 Jul 2024 06:36:40	Hg	ug/L
CCV - 1	34691	101.1% 5.0544	984146HG1	7471B	09 Jul 2024 06:38:29	Hg	ug/L
CCB - 1	-48	-0.0760	984146HG1	7471B	09 Jul 2024 06:40:17	Hg	ug/L
460-307092-c-2-c - 1	466	-0.0001	984146HG1	7471B	09 Jul 2024 06:42:18	Hg	ug/L
460-307092-b-3-c - 1	319	-0.0218	984146HG1	7471B	09 Jul 2024 06:44:03	Hg	ug/L
460-307092-c-4-c - 1	160	-0.0453	984146HG1	7471B	09 Jul 2024 06:45:48	Hg	ug/L
460-306801-a-5-b - 1	11107	1.5714	984146HG1	7471B	09 Jul 2024 06:47:32	Hg	ug/L
460-306801-a-12-b - 1	17150	2.4638	984146HG1	7471B	09 Jul 2024 06:49:17	Hg	ug/L
460-306801-a-17-b - 1	1654	0.1753	984146HG1	7471B	09 Jul 2024 06:51:04	Hg	ug/L
460-306801-a-20-b - 1	44218	6.4613	984146HG1	7471B	09 Jul 2024 06:52:53	Hg	ug/L
460-306801-a-23-b - 1	18505	2.6640	984146HG1	7471B	09 Jul 2024 06:54:38	Hg	ug/L
460-306801-a-26-b - 1	27044	3.9250	984146HG1	7471B	09 Jul 2024 06:56:34	Hg	ug/L
460-306801-a-29-b - 1	2659	0.3238	984146HG1	7471B	09 Jul 2024 06:58:24	Hg	ug/L
CCV - 1	34593	100.8% 5.0399	984146HG1	7471B	09 Jul 2024 07:00:18	Hg	ug/L
CCB - 1	-72	-0.0796	984146HG1	7471B	09 Jul 2024 07:02:03	Hg	ug/L
460-306801-a-31-b - 1	57390	8.4066	984146HG1	7471B	09 Jul 2024 07:04:03	Hg	ug/L
460-306801-a-37-b - 1	3710	0.4790	984146HG1	7471B	09 Jul 2024 07:05:49	Hg	ug/L
460-306472-a-5-b - 1	76594	11.2427	984146HG1	7471B	09 Jul 2024 07:07:48	Hg	ug/L
460-307098-b-5-b@3 - 1	0	-0.0689	984146HG1	7471B	09 Jul 2024 07:09:36	Hg	ug/L
460-307098-c-7-b - 1	3556	0.4562	984146HG1	7471B	09 Jul 2024 07:10:56	Hg	ug/L
460-306472-a-5-b@3 - 1	27480	3.9894	984146HG1	7471B	09 Jul 2024 07:12:41	Hg	ug/L
460-307098-b-5-b@3 - 1	43649	6.3773	984146HG1	7471B	09 Jul 2024 07:14:27	Hg	ug/L
CCV - 1	34178	99.6% 4.9786	984146HG1	7471B	09 Jul 2024 07:16:18	Hg	ug/L
CCB - 1	-16	-0.0713	984146HG1	7471B	09 Jul 2024 07:18:14	Hg	ug/L

DRAFT

7471B

Linear

Max. Hg [ng] ::



A= 0.0000e+000

B= 1.4768e-004

C= -6.8922e-002

Rho= 0.9997515

Accept= Accepted

Accepted Date=

07/09/24 04:23

Std ID	Conc.	Calc.	Dev.	Mean	SD or %RSD	Rep 1	Rep 2	Rep 3	Rep 4	Rep 5
Cal Blank	0.000	-0.050	-0.050	129	0.000	129				
0.2 ug/L	0.200	0.203	0.003	1840	0.0 %	1840				
1.0 ug/L	1.000	1.096	0.096	7888	0.0 %	7888				
2.0 ug/L	2.000	2.046	0.046	14320	0.0 %	14320				
5.0 ug/L	5.000	4.855	-0.145	33344	0.0 %	33344				
10.0 ug/L	10.000	10.050	0.050	68516	0.0 %	68516				

DRAFT

METALS BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Batch Number: 983997 Batch Start Date: 07/08/24 07:00 Batch Analyst: Tupayachi, Fiorella B

Batch Method: 3050B Batch End Date: 07/08/24 12:00

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	ME_ipmsSPK 00053	ME_LCSS_123 00004		
MB 460-983997/1		3050B, 6020B			1.00 g	100 mL				
LCSSRM 460-983997/2		3050B, 6020B			1.00 g	100 mL		1 g		
460-306985-F-6 DU		3050B, 6020B		T	1.00 g	100 mL				
460-306985-F-6 MS		3050B, 6020B		T	1.00 g	100 mL	1 mL			
460-307050-A-1	SB-7-(0-2)	3050B, 6020B	Solid	T	1.12 g	100 mL				
460-307050-A-2	SB-7-(9-11)	3050B, 6020B	Solid	T	1.03 g	100 mL				
460-307050-A-3	SB-8-(0-2)	3050B, 6020B	Solid	T	1.06 g	100 mL				
460-307050-A-4	SB-8-(9-11)	3050B, 6020B	Solid	T	1.13 g	100 mL				
460-307050-A-5	SB-9-(0-2)	3050B, 6020B	Solid	T	1.07 g	100 mL				
460-307050-A-6	SB-9-(9-11)	3050B, 6020B	Solid	T	1.03 g	100 mL				

DRAFT

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Batch Number: 983997 Batch Start Date: 07/08/24 07:00 Batch Analyst: Tupayachi, Fiorella B

Batch Method: 3050B Batch End Date: 07/08/24 12:00

Batch Notes	
Balance ID	#35
Digestion Tube/Cup ID	Lot # 2210117-10F-3213-MV (ENV EXP 50mL)
Pipette/Syringe/Dispenser ID	#4
Analyst ID - Spike Analyst	FT
Hydrochloric Acid ID	Lot # 231495 (Fisher Chemical Brand) = 10 ml.
Nitric Acid ID	Lot # 231514 (Fisher Chemical Brand) = 10 ml.
Hydrogen Peroxide ID	FISHER CHEMICALS Batch # 231666
Digestion Unit ID	HOT BLOCK 1
Thermometer ID	Metals-7 (cf 0)
Filter ID	09-790F
Temperature - Uncorrected - Start	90 Degrees C
Temperature - Corrected - Start	90 Degrees C
Temperature - Uncorrected - End	90 Degrees C
Temperature - Corrected - End	90 Degrees C
Digestion Start Time	07/08/2024 08:00
Digestion End Time	07/08/2024 10:00
MB Hotblock Location	Hood #8

Basis	Basis Description
T	Total/NA

DRAFT

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Batch Number: 984147 Batch Start Date: 07/09/24 00:51 Batch Analyst: Staib, Thomas

Batch Method: 7471B Batch End Date: 07/09/24 03:51

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	InitialAmount	FinalAmount	ME_DCAL-IN 04614	ME_LCSS_123 00004		
MB 460-984147/1		7471B, 7471B			0.60 g	50 mL				
LCSSRM 460-984147/2		7471B, 7471B			0.60 g	50 mL		0.6 g		
460-307022-D-1 DU		7471B, 7471B		T	0.68 g	50 mL				
460-307022-D-1 MS		7471B, 7471B		T	0.68 g	50 mL	0.5 mL			
460-307050-A-1	SB-7-(0-2)	7471B, 7471B	Solid	T	0.65 g	50 mL				
460-307050-A-2	SB-7-(9-11)	7471B, 7471B	Solid	T	0.63 g	50 mL				
460-307050-A-3	SB-8-(0-2)	7471B, 7471B	Solid	T	0.61 g	50 mL				
460-307050-A-4	SB-8-(9-11)	7471B, 7471B	Solid	T	0.61 g	50 mL				
460-307050-A-5	SB-9-(0-2)	7471B, 7471B	Solid	T	0.60 g	50 mL				
460-307050-A-6	SB-9-(9-11)	7471B, 7471B	Solid	T	0.62 g	50 mL				

DRAFT

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

METALS BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Batch Number: 984147 Batch Start Date: 07/09/24 00:51 Batch Analyst: Staib, Thomas

Batch Method: 7471B Batch End Date: 07/09/24 03:51

Batch Notes	
Balance ID	#33
Digestion Tube/Cup ID	LV23120109-D-4059-IM (50ML Digi Tubes)
Pipette/Syringe/Dispenser ID	#100 AND #4
Analyst ID - Spike Analyst	TS
Hydrochloric Acid ID	231495 (4.5ML)
Nitric Acid ID	233426 (1.5ML)
Potassium Permanganate ID	ME_PotPermSol_00293 (15ML)
Digestion Unit ID	#12
Thermometer ID	Metals-8
Temperature - Uncorrected - Start	98 Uncorr Degrees C
Temperature - Corrected - Start	98 Corr Degrees C
Digestion Start Time	07/09/2024 02:45
Digestion End Time	07/09/2024 03:15
Temperature - Uncorrected - End	98 UNcorr Degrees C
Temperature - Corrected - End	98 Corr Degrees C
Hydroxylamine ID	ME_NACLHYDLHCL_00276 (6ML)
Batch Comment	ME_10%HCL_00224

Basis	Basis Description
T	Total/NA

DRAFT

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GENERAL CHEMISTRY

DRAFT

COVER PAGE
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job Number: 460-307050-1

SDG No.:

Project: 1931 Lafayette Ave, Bronx

Client Sample ID	Lab Sample ID
SB-7-(0-2)	460-307050-1
SB-7-(9-11)	460-307050-2
SB-8-(0-2)	460-307050-3
SB-8-(9-11)	460-307050-4
SB-9-(0-2)	460-307050-5
SB-9-(9-11)	460-307050-6

DRAFT

Comments:

9-IN
DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job Number: 460-307050-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture RL Date: 02/15/2007 17:07

Analyte	Wavelength/ Mass	RL (%)	
Percent Moisture		1	
Percent Solids		1	

DRAFT

9-IN
CALIBRATION BLANK DETECTION LIMITS
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job Number: 460-307050-1

SDG Number:

Matrix: Solid Instrument ID: NOEQUIP

Method: Moisture XRL Date: 01/01/2007 16:49

Analyte	Wavelength/ Mass	XRL (%)	
Percent Moisture		1	
Percent Solids		1	

DRAFT

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 07/05/2024 16:05 End Date: 07/05/2024 17:53

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
ZZZZZZ			16:05	

13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 07/05/2024 16:05 End Date: 07/05/2024 17:53

Lab Sample ID	D/F	Type	Time	Analytes																				
				%Sol	Moist																			
ZZZZZZ			16:05																					
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460-307050-1	1	T	16:05	X	X																			
460-307050-2	1	T	16:05	X	X																			
460-307050-3	1	T	16:05	X	X																			
460-307050-4	1	T	16:05	X	X																			
460-307050-5	1	T	16:05	X	X																			
460-307050-6	1	T	16:05	X	X																			
460-307050-6 DU	1	T	16:05	X	X																			
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13-IN
ANALYSIS RUN LOG
GENERAL CHEMISTRY

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Instrument ID: NOEQUIP Method: Moisture

Start Date: 07/05/2024 16:05 End Date: 07/05/2024 17:53

Lab Sample ID	D / F	Type	Time	Analytes																				
				% Sol	Moist																			
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Prep Types
T = Total/NA

General Chemistry Raw Data Report

Job ID: 460-307050-1

Batch: 983824 | **Analyst Initials: CJC**

Method: Moisture | **Instrument: No Equipment**

Lab Sample ID: 460-307050-A-1

Analysis Date: Jul 05, 2024 16:05

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	14.6236559139785	%
Percent Solids	None	1	85.3763440860215	%

Lab Sample ID: 460-307050-A-2

Analysis Date: Jul 05, 2024 16:05

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	9.21568627450981	%
Percent Solids	None	1	90.7843137254902	%

Lab Sample ID: 460-307050-A-3

Analysis Date: Jul 05, 2024 16:05

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	15.5430711610487	%
Percent Solids	None	1	84.4569288389513	%

Lab Sample ID: 460-307050-A-4

Analysis Date: Jul 05, 2024 16:05

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	10.3942652329749	%
Percent Solids	None	1	89.6057347670251	%

Lab Sample ID: 460-307050-A-5

Analysis Date: Jul 05, 2024 16:05

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	21.4566929133858	%
Percent Solids	None	1	78.5433070866142	%

Lab Sample ID: 460-307050-A-6

Analysis Date: Jul 05, 2024 16:05

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	9.7122302158273	%
Percent Solids	None	1	90.2877697841727	%

Lab Sample ID: 460-307050-A-6 DU

Analysis Date: Jul 05, 2024 16:05

Analyte	Detector	Dilution	Raw Result	Unit
Percent Moisture	None	1	10.0217864923747	%
Percent Solids	None	1	89.9782135076253	%

DRAFT

GENERAL CHEMISTRY BATCH WORKSHEET

Lab Name: Eurofins Edison Job No.: 460-307050-1

SDG No.:

Batch Number: 983824 Batch Start Date: 07/05/24 16:05 Batch Analyst: Cho, Claudia J

Batch Method: Moisture Batch End Date:

Lab Sample ID	Client Sample ID	Method Chain	Matrix	Basis	DISH#	DishWeight	SampleMassWet	SampleMassDry	%_Moisture	%_Solid
460-307050-A-1	SB-7-(0-2)	Moisture	Solid	T	47	26.84 g	31.49 g	30.81 g	14.6236559139785 %	85.3763440860215 %
460-307050-A-2	SB-7-(9-11)	Moisture	Solid	T	48	28.70 g	33.80 g	33.33 g	9.21568627450981 %	90.7843137254902 %
460-307050-A-3	SB-8-(0-2)	Moisture	Solid	T	50	28.16 g	33.50 g	32.67 g	15.5430711610487 %	84.4569288389513 %
460-307050-A-4	SB-8-(9-11)	Moisture	Solid	T	51	24.19 g	29.77 g	29.19 g	10.3942652329749 %	89.6057347670251 %
460-307050-A-5	SB-9-(0-2)	Moisture	Solid	T	52	28.49 g	33.57 g	32.48 g	21.4566929133858 %	78.5433070866142 %
460-307050-A-6	SB-9-(9-11)	Moisture	Solid	T	53	27.25 g	32.81 g	32.27 g	9.71223021582733 %	90.2877697841727 %
460-307050-A-6 DU	SB-9-(9-11)	Moisture		T	54	28.96 g	33.55 g	33.09 g	10.0217864923747 %	89.9782135076253 %

Batch Notes	
Time samples were place in the oven	16:44
Time Samples were removed from oven	17:04

Basis	Basis Description
T	Total/NA

DRAFT

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

DRAFT

Address: 777 New Durham Road
Edison, NJ 08817

NYC 222 Chain of Custody Record

674789

eurofins | Environment Testing America

39050

TAL-8210

Regulatory Program ☐ DW ☐ NPDES ☐ RCRA ☐ Other

Client Contact	Project Manager: Lauren Delgado	Site Contact: Patricia Perry	Date: 7/3/24	COC No:
Company Name: Roux Env Eng & Geology, DPC	Tel/Email: ldelgado@rouxinc.com	Lab Contact: Melissa Haas	Carrier:	1 of 1 COCs
Address: 209 Shafter St	Analysis Turnaround Time			Sampler:
City/State/Zip: Islandia, NY, 11749	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone:	TAT if different from Below 5 day			Walk-in Client:
Fax:	☐ 2 weeks			Lab Sampling:
Project Name: 1931 Lafayette Ave, Bronx	☐ 1 week			
Site:	☐ 2 days			Job / SDG No.
PO# 3868 0007000	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	8270E NY Part 375 SVOC	6020B NY Part 375 Metals	7471B - Mercury	Sample Specific Notes:
SB-7-(0-2)	7/3/24	0830	G	So	1			X	X	X	1
SB-7-(9-11)	7/3/24	0950	G	So	1			X	X	X	2
SB-8-(0-2)	7/3/24	0930	G	So	1			X	X	X	3
SB-8-(9-11)	7/3/24	1030	G	So	1			X	X	X	4
SB-9-(0-2)	7/3/24	1040	G	So	1			X	X	X	5
SB-9-(9-11)	7/3/24	1125	G	So	1			X	X	X	6

5-Day RUSH

460-307050 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other

Possible Hazard Identification.
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☐ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:
NY Cat B deliverables

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No. | Cooler Temp. (°C): Obs'd: | Corr'd: | Therm ID No.:

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	Roux	7/3/24 12:45		TA NYC	07/03/24 12 45
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TA NYC	07/03/24 17 05		EET	7/3/24 16:00
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:
	EET	7/3/24 13:20		EST	7/3/24 1720

20/cs ZR#9 1.4/1.8

7/10/2024 4:48:02 PM

Page 2124 of 2126

Eurofins TestAmerica Edison
Receipt Temperature and pH Log

Job Number: 309050

Number of Coolers: 1 IR Gun # 9

Cooler Temperatures

	RAW	CORRECTED		RAW	CORRECTED		RAW	CORRECTED
Cooler #1:	2.4 °C	1.5 °C	Cooler #4:	°C	°C	Cooler #7:	°C	°C
Cooler #2:	°C	°C	Cooler #5:	°C	°C	Cooler #8:	°C	°C
Cooler #3:	°C	°C	Cooler #6:	°C	°C	Cooler #9:	°C	°C

TALS Sample Number	Ammonia (pH<2)	COD (pH<2)	Nitrate Nitrite (pH<2)	Metals* (pH<2)	Hardness (pH<2)	Pest (pH 5-9)	EPH or OAM (pH<2)	Phenols (pH<2)	Sulfide (pH>9)	TKN (pH<2)	TOC (pH<2)	Total Cyanide (pH>12)	Total Phos (pH<2)	Other	Other
			1												

If pH adjustments are required record the information below*

Sample No(s). adjusted. _____

Preservative Name/Conc. _____ Volume of Preservative used (ml) _____

Lot # of Preservative(s). _____ Expiration Date _____

The appropriate Project Manager and Department Manager should be notified about the samples which were pH adjusted.

**Samples for Metal analysis which are out of compliance must be acidified atleast 24 hours prior to analysis.*

EDS-WI-038, Rev 4.1
10/22/2019

Initials: MH Date: 7/3/24

DRAFT

Login Sample Receipt Checklist

Client: Roux Environmental Eng & Geology DPC

Job Number: 460-307050-1

Login Number: 307050
List Number: 1
Creator: Thundathorn, Sukanan 1

List Source: Eurofins Edison

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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APPENDIX D

Daily and CAMP Reports

DRAFT

ROUX

DAILY SITE FIELD ACTIVITY REPORT

PROJECT NO.:	3868.0004Y002	**CLIENT:**	**DATE:**	10/8/2025
PROJECT:	Lafayette Site A (C203178)	GDC Strada Castle Hill JV I LLC	**WEATHER:**	Temp: 54-71°F, Rainy, RH: 95% Pres: 29.91" Wind: SW @ 10 mph
LOCATION:	1931 Lafayette Avenue, Bronx, NY		**TIME:**	07:00 – 16:15

CONTRACTOR AND EQUIPMENT	PERSONNEL PRESENT AT SITE AND AFFILIATION:
Trinity Environmental Hand Auger Air Knife Air Compressor Geoprobe drill rig 7720DT	Patrick Perry – Roux D.P.C. Joe Sakellis – Trinity Environmental Jason Staunton – Nova Geophysical Surveyor Ethan Siegenthaler – Nova Geophysical Surveyor

SCOPE OF WORK:

Roux D.P.C. (Roux) was onsite to complete implementation of the Remedial Investigation (RI) field work in accordance with the New York State Department of Environmental Conservation (NYSDEC)-approved Remedial Investigation Work Plan (RIWP), dated September 30, 2025. Roux implemented the Community Air Monitoring Plan (CAMP) during all intrusive activities.

Description of work activities performed and general observations/comments:

- Trinity completed utility pre-clearance to 5 feet below land surface (ft bls) at each soil boring location prior to advancement with the Geoprobe drill rig 7720DT.
- Trinity completed Remedial Investigation (RI) locations ASB-1, ASB-3, ASB-4, and ASB-5, and waste characterization locations A1WC-1, A1WC-2, A1-WC-3, and A1WC-4.
- Trinity installed soil vapor point ASV-1 and installed groundwater monitoring well AMW-1.
- Roux inspected all recovered soil, recoded lithology, and screened with a photoionization detector (PID) for volatile organic compounds (VOCs).
- Nova Geophysical Surveyors performed a geophysical Survey of site. Subsurface utilities were identified, however no anomalies resembling an underground storage tank (UST) were observed.

CAMP data evaluation: CAMP was not performed due to rainfall throughout the workday.

Offsite Disposal: N/A

Sampling Performed:

Matrix	Sample ID	Analyses
Soil	ASB-1 (0-2) ASB-1 (8-10) ASB-1 (15-17) ASB-3 (0-2) ASB-3 (9-11) ASB-3 (15-17) ASB-4 (0-2) ASB-4 (7-9)	NYSDEC Part 375 VOCs, SVOCs, pesticides, PCBs, NYSDEC Part 375 metals, hexavalent/trivalent chromium, and total cyanide.

Approved:	Lauren Dolginko	By:	**Patrick Perry** **ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.**

DRAFT

PROJECT NO.:	3868.0004Y002	**CLIENT:**	**DATE:**	10/8/2025
PROJECT:	Lafayette Site A (C203178)	GDC Strada Castle Hill JV I LLC	**WEATHER:**	Temp: 54-71°F, Rainy, RH: 95% Pres: 29.91" Wind: SW @ 10 mph
LOCATION:	1931 Lafayette Avenue, Bronx, NY		**TIME:**	07:00 – 16:15

	ASB-4 (15-17) ASB-5 (0-2) ASB-5 (8-10) ASB-5 (15-17)	
Soil	ASB-1 (8-10)_P ASB-3 (9-11)_P ASB-4 (7-9)_P ASB-5 (8-10)_P	1633A PFAS – Standard List 40
Soil	A1WC (0-4) A1WC (4-8) A1WC (8-12) A1WC (12-15)	TCL/SRS/NYSDEC Part 375 SVOCs, pesticides, herbicides, PCBs, TCL/SRS/NYSDEC Part 375 metals, Resource Conservation and Recovery Act (RCRA) characteristics, TCLP metals, paint filter, New Jersey extractable petroleum hydrocarbons (NJEPH), and on hold - TCLP SVOCs, TCLP pesticides, and TCLP herbicides.
Soil	A1WC-4 (2-4) A1WC-4 (6-8) A1WC-2 (8-10) A1WC-4 (13-15)	TCL/SRS/NYSDEC Part 375 VOCs, on hold - TCLP VOCs.

Upcoming work activities anticipated:

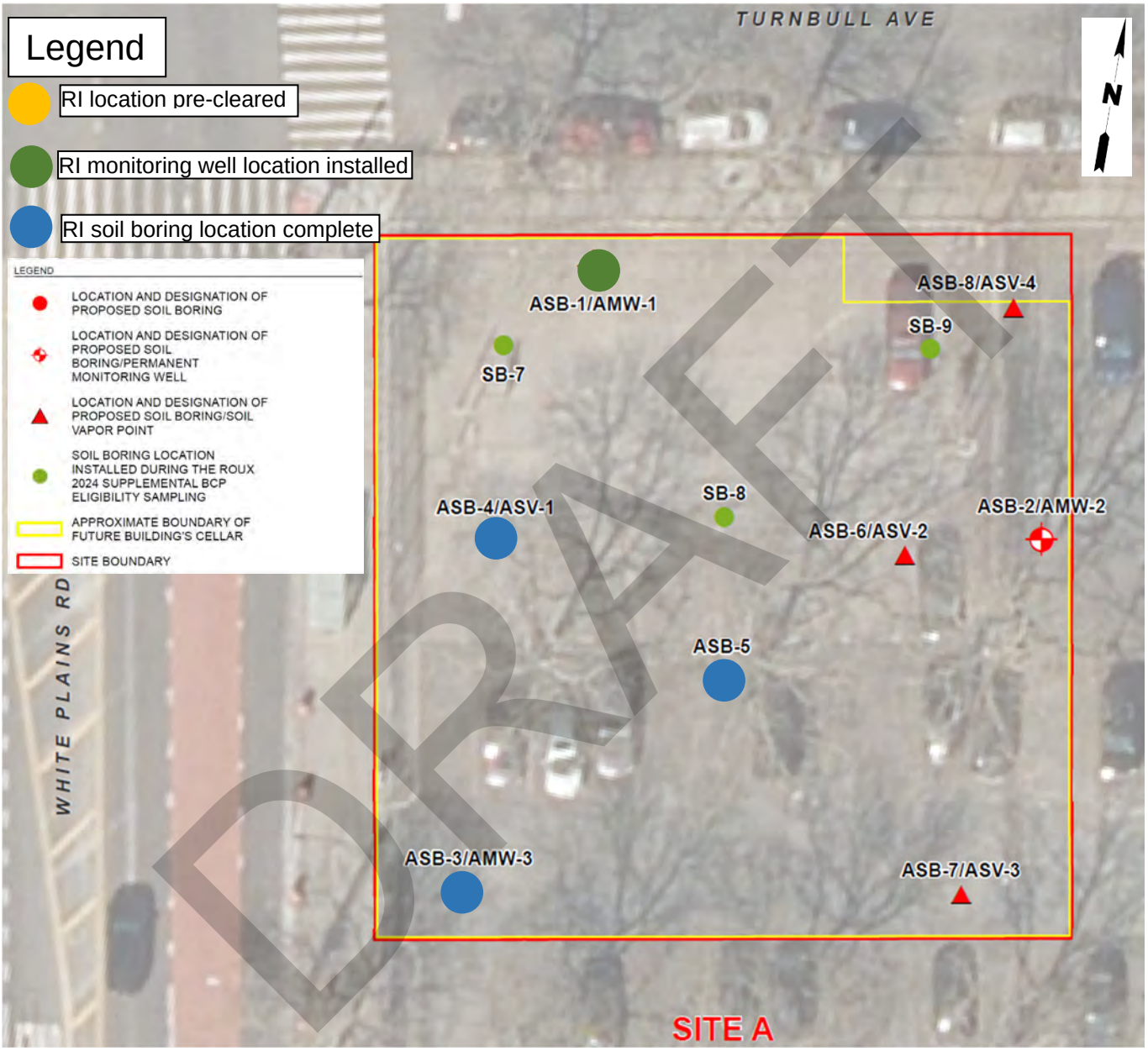
- Soil boring advancement will continue utilizing the Geoprobe drill rig.
- Roux will continue inspecting all recovered soil, recording lithology, and screening with a PID for VOCs. Soil samples will be collected at all waste characterization/RI locations.
- Trinity and Roux will install soil vapor points and groundwater monitoring wells.
- Mega Surveying and Engineering will survey permanent groundwater monitoring well locations following installation.

DRAFT

Approved:	Lauren Dolginko	By:	**Patrick Perry** **ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.**

DAILY SITE FIELD ACTIVITY REPORT

PROJECT NO.:	3868.0004Y002	**CLIENT:**	**DATE:**	10/8/2025
PROJECT:	Lafayette Site A (C203178)	GDC Strada Castle Hill JV I LLC	**WEATHER:**	Temp: 54-71°F, Rainy, RH: 95% Pres: 29.91" Wind: SW @ 10 mph
LOCATION:	1931 Lafayette Avenue, Bronx, NY		**TIME:**	07:00 – 16:15



Approved:	Lauren Dolginko	By:	**Patrick Perry** **ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.**

DAILY SITE FIELD ACTIVITY REPORT

PROJECT NO.:	3868.0004Y002	**CLIENT:**	**DATE:**	10/8/2025
PROJECT:	Lafayette Site A (C203178)	GDC Strada Castle Hill JV I LLC	**WEATHER:**	Temp: 54-71°F, Rainy, RH: 95% Pres: 29.91" Wind: SW @ 10 mph
LOCATION:	1931 Lafayette Avenue, Bronx, NY		**TIME:**	07:00 – 16:15

PHOTOGRAPHS TAKEN TODAY: Lafayette Site A



Photo 1: Looking southwest, view of general site conditions.

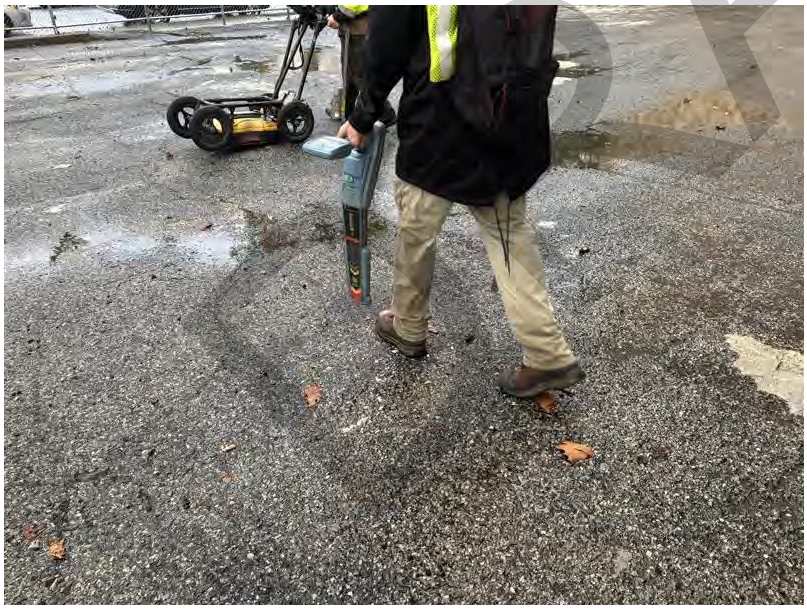


Photo 2: Looking west, view of Nova Geophysical Surveyors performing the geophysical survey of site.

DRAFT

Approved:	Lauren Dolginko	By:	**Patrick Perry** **ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.**

DAILY SITE FIELD ACTIVITY REPORT

PROJECT NO.:	3868.0004Y002	**CLIENT:**	**DATE:**	10/8/2025
PROJECT:	Lafayette Site A (C203178)	GDC Strada Castle Hill JV I LLC	**WEATHER:**	Temp: 54-71°F, Rainy, RH: 95% Pres: 29.91" Wind: SW @ 10 mph
LOCATION:	1931 Lafayette Avenue, Bronx, NY		**TIME:**	07:00 – 16:15

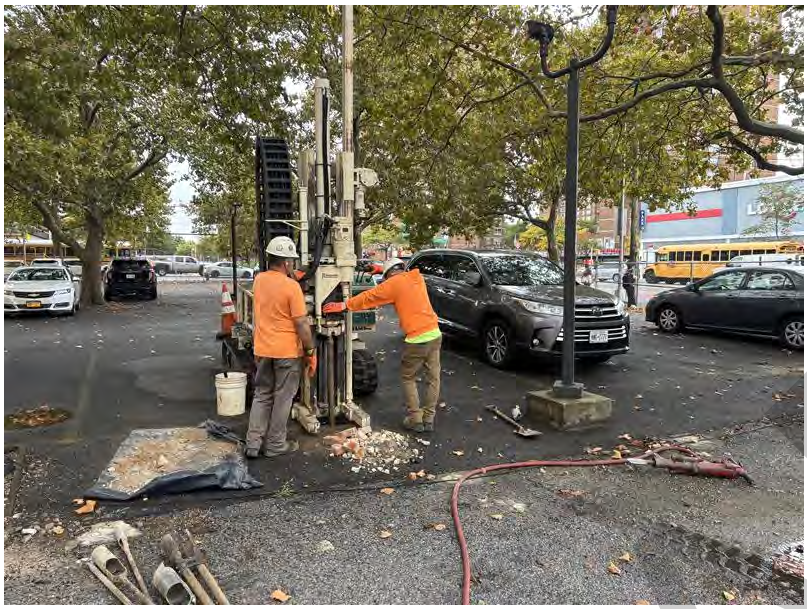


Photo 3: Looking south, view of Trinity drilling ASB-5.



Photo 4: Looking northeast, view permanent groundwater monitoring well AMW-1 during installation.

DRAFT

Approved:	Lauren Dolginko	By:	**Patrick Perry** **ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.**

ROUX

DAILY SITE FIELD ACTIVITY REPORT

PROJECT NO.:	3868.0004Y002	**CLIENT:**	**DATE:**	10/9/2025
PROJECT:	Lafayette Site A (C203178)	GDC Strada Castle Hill JV I LLC	**WEATHER:**	Temp: 43-59°F, Rainy, RH: 46% Pres: 30.45" Wind: N @ 10 mph
LOCATION:	1931 Lafayette Avenue, Bronx, NY		**TIME:**	07:00 – 13:45

CONTRACTOR AND EQUIPMENT	PERSONNEL PRESENT AT SITE AND AFFILIATION:
Trinity Environmental Hand Auger Air Knife Air Compressor Geoprobe drill rig 7720DT	Patrick Perry – Roux D.P.C. Joe Sakellis – Trinity Environmental

SCOPE OF WORK:

Roux D.P.C. (Roux) was onsite to complete implementation of the Remedial Investigation (RI) field work in accordance with the New York State Department of Environmental Conservation (NYSDEC)-approved Remedial Investigation Work Plan (RIWP), dated September 30, 2025. Roux implemented the Community Air Monitoring Plan (CAMP) during all intrusive activities.

Description of work activities performed and general observations/comments:

- Trinity completed utility pre-clearance to 5 feet below land surface (ft bls) at each soil boring location prior to advancement with the Geoprobe drill rig 7720DT.
- Trinity began Remedial Investigation (RI) locations ASB-2, ASB-6, ASB-7, and ASB-8 to 5 feet, and waste characterization location A2WC-1.
- Trinity installed groundwater monitoring well AMW-3.
- Roux inspected all recovered soil, recoded lithology, and screened with a photoionization detector (PID) for volatile organic compounds (VOCs).

CAMP data evaluation: CAMP was implemented from 07:30 – 13:15. There were no exceedances of dust or volatile organic compound (VOC) action levels during this period.

Offsite Disposal: N/A

Sampling Performed:

Matrix	Sample ID	Analyses
Soil	ASB-2 (0-2) ASB-6 (0-2) ASB-7 (0-2) ASB-8 (0-2)	NYSDEC Part 375 VOCs, SVOCs, pesticides, PCBs, NYSDEC Part 375 metals, hexavalent/trivalent chromium, and total cyanide.
Soil	A2WC (0-4)	TCL/SRS/NYSDEC Part 375 SVOCs, pesticides, herbicides, PCBs, TCL/SRS/NYSDEC Part 375 metals, Resource Conservation and Recovery Act (RCRA) characteristics, TCLP metals, paint filter, New Jersey extractable petroleum hydrocarbons (NJEPH), and on hold - TCLP SVOCs, TCLP pesticides, and TCLP herbicides.
Soil	A2WC-4 (2-4)	TCL/SRS/NYSDEC Part 375 VOCs, on hold - TCLP VOCs.

Approved:	Lauren Dolginko	By:	**Patrick Perry** **ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.**

DRAFT

ROUX

DAILY SITE FIELD ACTIVITY REPORT

PROJECT NO.:	3868.0004Y002	**CLIENT:**	**DATE:**	10/9/2025
PROJECT:	Lafayette Site A (C203178)	GDC Strada Castle Hill JV I LLC	**WEATHER:**	Temp: 43-59°F, Rainy, RH: 46% Pres: 30.45" Wind: N @ 10 mph
LOCATION:	1931 Lafayette Avenue, Bronx, NY		**TIME:**	07:00 – 13:45

Upcoming work activities anticipated:

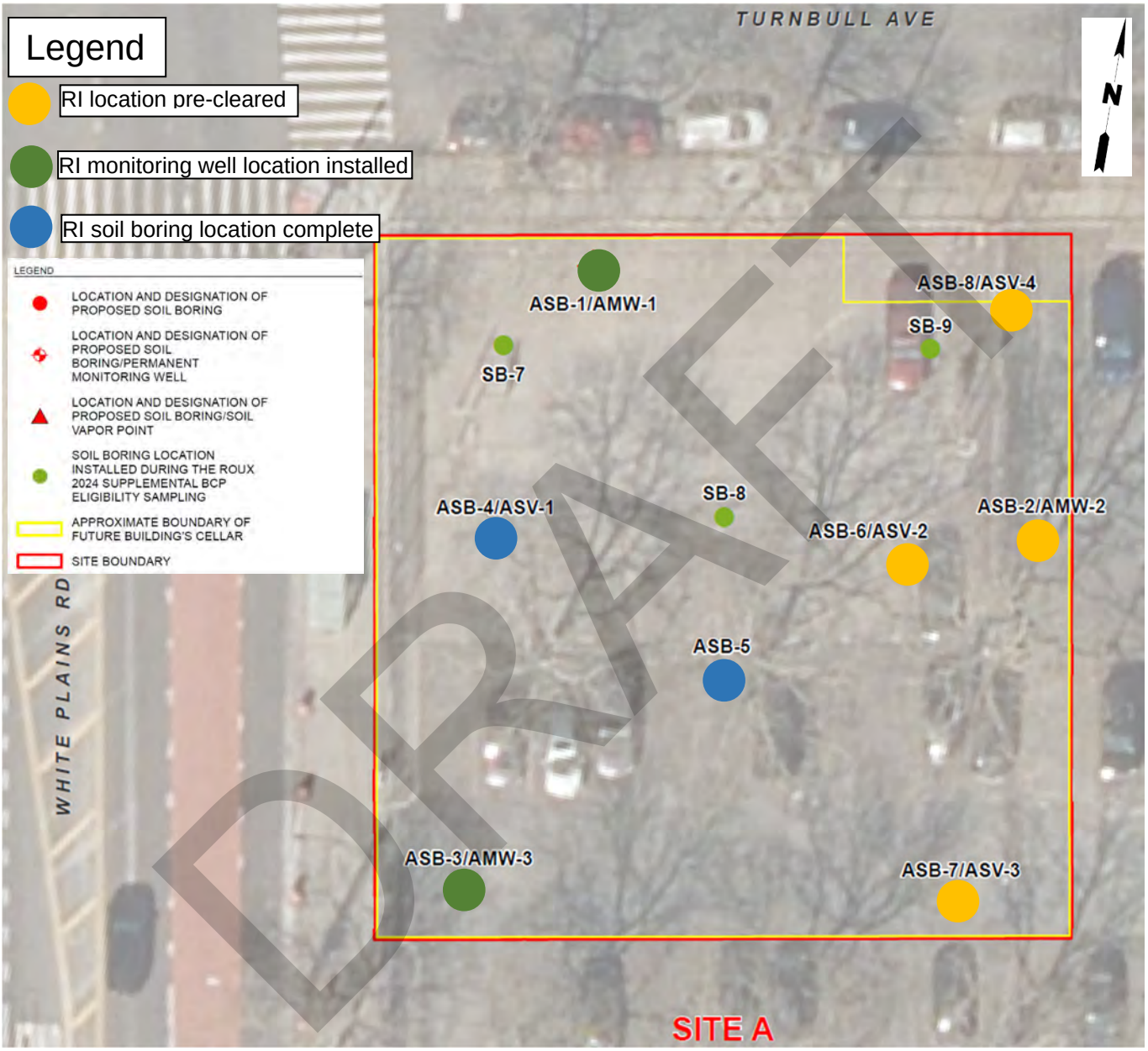
- Soil boring advancement will continue utilizing the Geoprobe drill rig.
- Roux will continue inspecting all recovered soil, recording lithology, and screening with a PID for VOCs. Soil samples will be collected at all waste characterization/RI locations.
- Trinity and Roux will install soil vapor points and groundwater monitoring wells.
- Mega Surveying and Engineering will survey permanent groundwater monitoring well locations following installation.

DRAFT

Approved:	Lauren Dolginko	By:	**Patrick Perry** **ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.**

DAILY SITE FIELD ACTIVITY REPORT

PROJECT NO.:	3868.0004Y002	**CLIENT:**	**DATE:**	10/9/2025
PROJECT:	Lafayette Site A (C203178)	GDC Strada Castle Hill JV I LLC	**WEATHER:**	Temp: 43-59°F, Rainy, RH: 46% Pres: 30.45" Wind: N @ 10 mph
LOCATION:	1931 Lafayette Avenue, Bronx, NY		**TIME:**	07:00 – 13:45



Approved:	Lauren Dolginko	By:	**Patrick Perry**
			ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.

DAILY SITE FIELD ACTIVITY REPORT

PROJECT NO.:	3868.0004Y002	**CLIENT:**	**DATE:**	10/9/2025
PROJECT:	Lafayette Site A (C203178)	GDC Strada Castle Hill JV I LLC	**WEATHER:**	Temp: 43-59°F, Rainy, RH: 46% Pres: 30.45" Wind: N @ 10 mph
LOCATION:	1931 Lafayette Avenue, Bronx, NY		**TIME:**	07:00 – 13:45

PHOTOGRAPHS TAKEN TODAY: Lafayette Site A



Photo 1: Looking northeast, view of the upwind CAMP station.

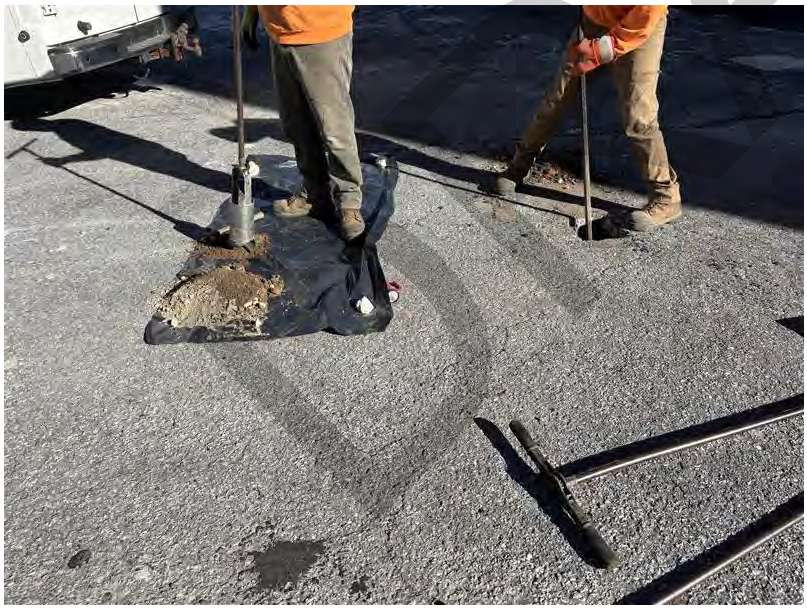


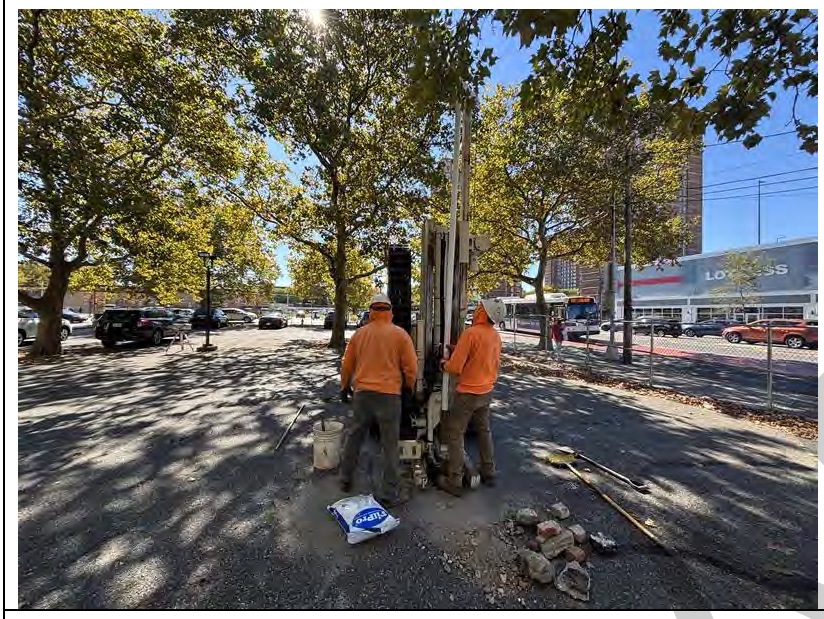
Photo 2: Looking north, view of Trinity hand clearing boring ASB-6 to 5 ft bls.

DRAFT

Approved:	Lauren Dolginko	By:	**Patrick Perry** **ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.**

DAILY SITE FIELD ACTIVITY REPORT

PROJECT NO.:	3868.0004Y002	**CLIENT:**	**DATE:**	10/9/2025
PROJECT:	Lafayette Site A (C203178)	GDC Strada Castle Hill JV I LLC	**WEATHER:**	Temp: 43-59°F, Rainy, RH: 46% Pres: 30.45" Wind: N @ 10 mph
LOCATION:	1931 Lafayette Avenue, Bronx, NY		**TIME:**	07:00 – 13:45

	**Photo 3**: Looking south, view of Trinity drilling and installing permanent groundwater monitoring well AMW-3.
	**Photo 4**: View permanent groundwater monitoring well AMW-3 well cover installation and concrete finishing.

DRAFT

Approved:	Lauren Dolginko	By:	**Patrick Perry** **ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.**

Roux Environmental Engineering and Geology, D.P.C.
Community Air Monitoring Program - DUST

Project: Lafayette Site A
PM: Lauren Dolginko
Location: 1931 Lafayette Bronx New York
Date: 10/9/2025

Upwind Serial Number 8530143417
Downwind Serial Number 8530143413

Upwind		Downwind		Corrected Downwind[1]	Comments
Time	Concentration [mg/m3]	Time	Concentration [mg/m3]	Concentration [mg/m3]	
7:46 AM	0.011	7:46 AM	0.008	-0.003	
8:01 AM	0.006	8:01 AM	0.006	0.000	
8:16 AM	0.006	8:16 AM	0.006	0.000	
8:31 AM	0.005	8:31 AM	0.005	0.000	
8:46 AM	0.004	8:46 AM	0.004	0.000	
9:01 AM	0.004	9:01 AM	0.004	0.000	
9:16 AM	0.003	9:16 AM	0.004	0.001	
9:31 AM	0.002	9:31 AM	0.002	0.000	
9:46 AM	0.002	9:46 AM	0.002	0.000	
10:01 AM	0.001	10:01 AM	0.003	0.002	
10:16 AM	0.001	10:16 AM	0.002	0.001	
10:31 AM	0.002	10:31 AM	0.002	0.000	
10:46 AM	0.002	10:46 AM	0.003	0.001	
11:01 AM	0.002	11:01 AM	0.002	0.000	
11:16 AM	0.004	11:16 AM	0.003	-0.001	
11:31 AM	0.001	11:31 AM	0.002	0.001	
11:46 AM	0.001	11:46 AM	0.003	0.002	
12:01 PM	0.001	12:01 PM	0.005	0.004	
12:16 PM	0.000	12:16 PM	0.002	0.002	
12:31 PM	0.000	12:31 PM	0.001	0.001	
12:46 PM	0.000	12:46 PM	0.003	0.003	
1:01 PM	0.001	1:01 PM	0.004	0.003	
1:16 PM	0.001	1:16 PM	0.001	0.000	

Notes:
1. Corrected downwind concentration is based on the difference of the upwind meter concentration and respective downwind meter location.

DRAFT

Roux Environmental Engineering and Geology, D.P.C.
Community Air Monitoring Program - VOC

Project: Lafayette Site A
PM: Lauren Dolginko
Location: 1931 Lafayette Bronx New York
Date: 10/9/2025

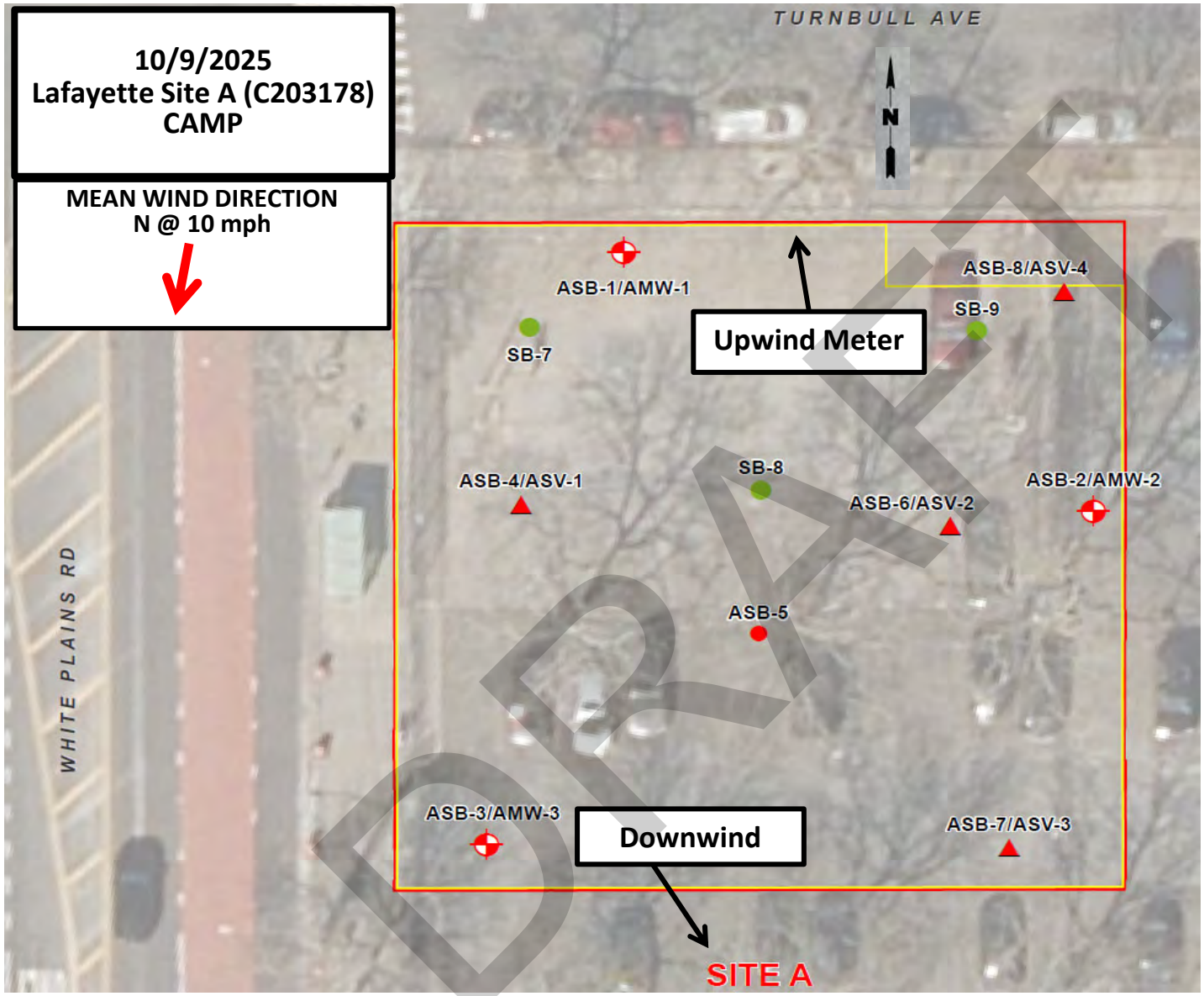
Upwind Serial Number 592-920834
Downwind Serial Number 592-600897

Upwind		Downwind		Corrected[1] Downwind	Comments
Time	VOC Average (ppm)	Time	VOC Average (ppm)	VOC Average (ppm)	
7:47 AM	0.1	7:47 AM	0.0	-0.1	
8:02 AM	0.1	8:02 AM	0.0	-0.1	
8:17 AM	0.1	8:17 AM	0.0	-0.1	
8:32 AM	0.2	8:32 AM	0.0	-0.2	
8:47 AM	0.2	8:47 AM	0.0	-0.2	
9:02 AM	0.2	9:02 AM	0.0	-0.2	
9:17 AM	0.2	9:17 AM	0.0	-0.2	
9:32 AM	0.2	9:32 AM	0.0	-0.2	
9:47 AM	0.2	9:47 AM	0.0	-0.2	
10:02 AM	0.2	10:02 AM	0.0	-0.2	
10:17 AM	0.2	10:17 AM	0.0	-0.2	
10:32 AM	0.2	10:32 AM	0.0	-0.2	
10:47 AM	0.2	10:47 AM	0.0	-0.2	
11:02 AM	0.2	11:02 AM	0.0	-0.2	
11:17 AM	0.2	11:17 AM	0.0	-0.2	
11:32 AM	0.2	11:32 AM	0.0	-0.2	
11:47 AM	0.2	11:47 AM	0.0	-0.2	
12:02 PM	0.2	12:02 PM	0.0	-0.2	
12:17 PM	0.2	12:17 PM	0.0	-0.2	
12:32 PM	0.2	12:32 PM	0.0	-0.2	
12:47 PM	0.2	12:47 PM	0.0	-0.2	
1:02 PM	0.2	1:02 PM	0.0	-0.2	
1:17 PM	0.2	1:17 PM	0.0	-0.2	

Notes:

1. Corrected downwind concentration is based on the difference of the upwind meter concentration and respective downwind meter location.

DRAFT


10/9/2025
Lafayette Site A (C203178)
CAMP
MEAN WIND DIRECTION
N @ 10 mph
TURNBULL AVE
N
WHITE PLAINS RD
ASB-1/AMW-1
SB-7
Upwind Meter
ASB-8/ASV-4
SB-9
ASB-4/ASV-1
SB-8
ASB-6/ASV-2
ASB-2/AMW-2
ASB-5
ASB-3/AMW-3
Downwind
ASB-7/ASV-3
SITE A
DRAFT

ROUX

DAILY SITE FIELD ACTIVITY REPORT

PROJECT NO.:	3868.0004Y002	**CLIENT:**	**DATE:**	10/10/2025
PROJECT:	Lafayette Site A (C203178)	GDC Strada Castle Hill JV I LLC	**WEATHER:**	Temp: 42-63°F, Sunny, RH: 84% Pres: 30.50" Wind: NNE @ 10 mph
LOCATION:	1931 Lafayette Avenue, Bronx, NY		**TIME:**	07:00 – 13:45

CONTRACTOR AND EQUIPMENT	PERSONNEL PRESENT AT SITE AND AFFILIATION:
Trinity Environmental Hand Auger Air Knife Air Compressor Geoprobe drill rig 7720DT	Patrick Perry – Roux D.P.C. Benjamin Weintraub – Roux D.P.C. Joe Sakellis – Trinity Environmental

SCOPE OF WORK:

Roux D.P.C. (Roux) was onsite to complete implementation of the Remedial Investigation (RI) field work in accordance with the New York State Department of Environmental Conservation (NYSDEC)-approved Remedial Investigation Work Plan (RIWP), dated September 30, 2025. Roux implemented the Community Air Monitoring Plan (CAMP) during all intrusive activities.

Description of work activities performed and general observations/comments:

- Trinity drilled Remedial Investigation (RI) locations ASB-2, ASB-6, ASB-7, and ASB-8 to 20 feet below land surface (ft bls), and waste characterization locations A2WC-1, A2WC-2, A2WC-3, and A2WC-4 to 15 ft bls.
- Trinity installed groundwater monitoring well AMW-2.
- Trinity installed soil vapor points ASV-2, ASV-3, and ASV-4.
- Roux inspected all recovered soil, recoded lithology, and screened with a photoionization detector (PID) for volatile organic compounds (VOCs).

CAMP data evaluation: CAMP was implemented from 07:30 – 13:00. There were no exceedances of dust or volatile organic compound (VOC) action levels during this period.

Offsite Disposal: N/A

Sampling Performed:

Matrix	Sample ID	Analyses
Soil	ASB-2 (8-10), ASB-2 (15-17) ASB-6 (8-10), ASB-6 (15-17) ASB-7 (8-10), ASB-7 (15-17) ASB-8 (8-10), ASB-8 (15-17)	NYSDEC Part 375 VOCs, SVOCs, pesticides, PCBs, NYSDEC Part 375 metals, hexavalent/trivalent chromium, and total cyanide.
Soil	A2WC (4-8) A2WC (8-12) A2WC (12-15)	TCL/SRS/NYSDEC Part 375 SVOCs, pesticides, herbicides, PCBs, TCL/SRS/NYSDEC Part 375 metals, Resource Conservation and Recovery Act (RCRA) characteristics, TCLP metals, paint filter, New Jersey extractable petroleum hydrocarbons (NJEPH), and on hold - TCLP SVOCs, TCLP pesticides, and TCLP herbicides.

Approved:	Lauren Dolginko	By:	**Patrick Perry** **ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.**

DRAFT

ROUX

DAILY SITE FIELD ACTIVITY REPORT

PROJECT NO.:	3868.0004Y002	**CLIENT:**	**DATE:**	10/10/2025
PROJECT:	Lafayette Site A (C203178)	GDC Strada Castle Hill JV I LLC	**WEATHER:**	Temp: 42-63°F, Sunny, RH: 84% Pres: 30.50" Wind: NNE @ 10 mph
LOCATION:	1931 Lafayette Avenue, Bronx, NY		**TIME:**	07:00 – 13:45

Soil	A2WC-4 (2-4) A2WC-4 (6-8) A2WC-4 (13-15)	TCL/SRS/NYSDEC Part 375 VOCs, on hold - TCLP VOCs.

Upcoming work activities anticipated:

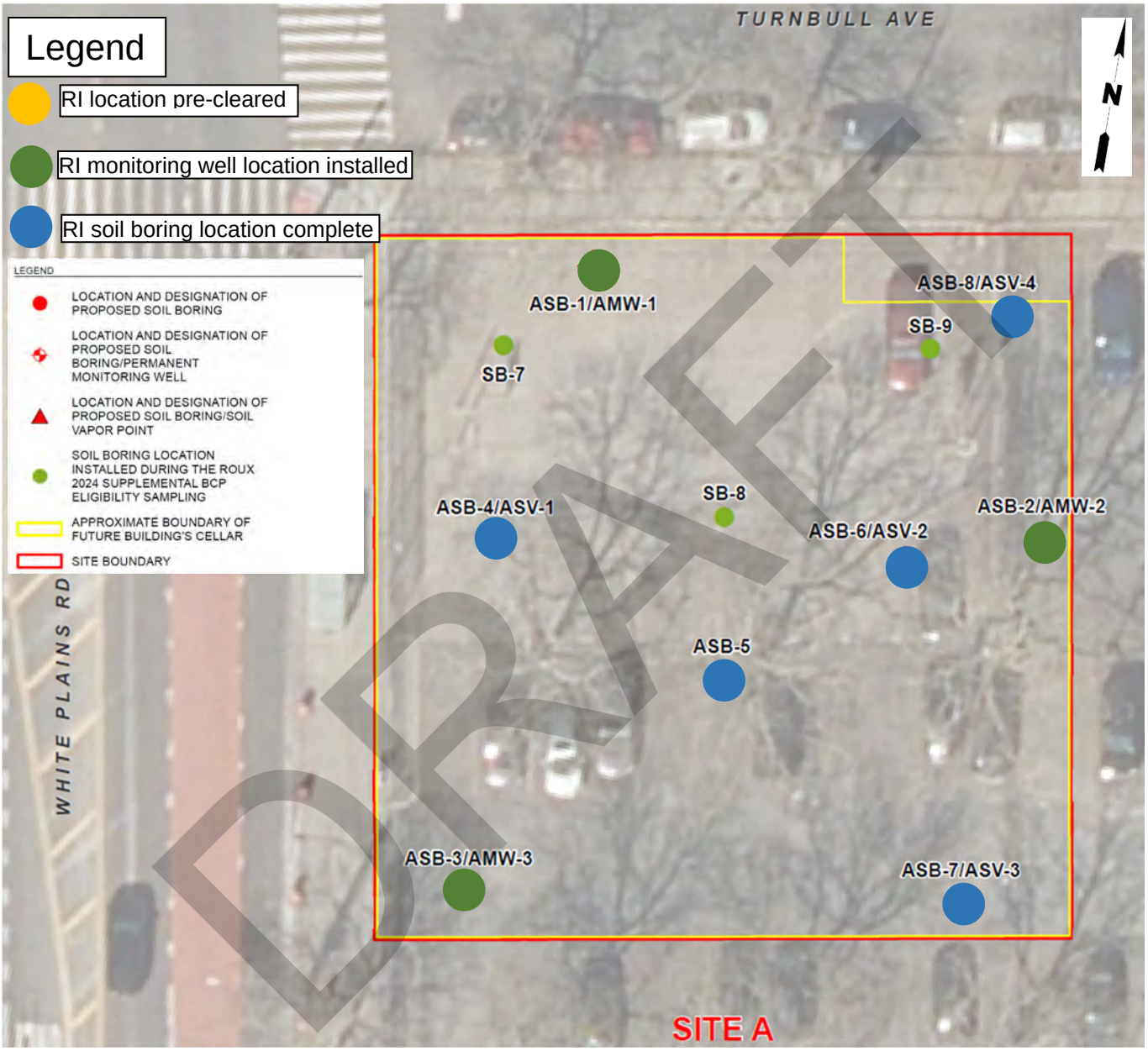
- Roux will collect soil vapor samples from newly installed soil vapor points.
- Roux will develop the newly installed monitoring wells.
- Roux will collect groundwater samples from the newly installed monitoring wells.
- Mega Surveying and Engineering will survey permanent groundwater monitoring well locations.

DRAFT

Approved:	Lauren Dolginko	By:	**Patrick Perry** **ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.**

DAILY SITE FIELD ACTIVITY REPORT

PROJECT NO.:	3868.0004Y002	**CLIENT:**	**DATE:**	10/10/2025
PROJECT:	Lafayette Site A (C203178)	GDC Strada Castle Hill JV I LLC	**WEATHER:**	Temp: 42-63°F, Sunny, RH: 84% Pres: 30.50" Wind: NNE @ 10 mph
LOCATION:	1931 Lafayette Avenue, Bronx, NY		**TIME:**	07:00 – 13:45



Approved:	Lauren Dolginko	By:	**Patrick Perry**
			ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.

DAILY SITE FIELD ACTIVITY REPORT

PROJECT NO.:	3868.0004Y002	**CLIENT:**	**DATE:**	10/10/2025
PROJECT:	Lafayette Site A (C203178)	GDC Strada Castle Hill JV I LLC	**WEATHER:**	Temp: 42-63°F, Sunny, RH: 84% Pres: 30.50" Wind: NNE @ 10 mph
LOCATION:	1931 Lafayette Avenue, Bronx, NY		**TIME:**	07:00 – 13:45

PHOTOGRAPHS TAKEN TODAY: Lafayette Site A



Photo 1: Looking south, view of the downwind CAMP station.



Photo 2: Looking north, view of Trinity boring ASB-7.

DRAFT

Approved:	Lauren Dolginko	By:	**Patrick Perry** **ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.**

DAILY SITE FIELD ACTIVITY REPORT

PROJECT NO.:	3868.0004Y002	**CLIENT:**	**DATE:**	10/10/2025
PROJECT:	Lafayette Site A (C203178)	GDC Strada Castle Hill JV I LLC	**WEATHER:**	Temp: 42-63°F, Sunny, RH: 84% Pres: 30.50" Wind: NNE @ 10 mph
LOCATION:	1931 Lafayette Avenue, Bronx, NY		**TIME:**	07:00 – 13:45



Photo 3: Looking east, view of trinity installing ASV-4.



Photo 4: Looking northwest, view permanent groundwater monitoring well AMW-2 installation.

DRAFT

Approved:	Lauren Dolginko	By:	**Patrick Perry** **ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.**

Roux Environmental Engineering and Geology, D.P.C.
Community Air Monitoring Program - DUST

Project: Lafayette Site A
PM: Lauren Dolginko
Location: 1931 Lafayette Bronx New York
Date: 10/10/2025

Upwind Serial Number 8530143417
Downwind Serial Number 8530143413

Upwind		Downwind		Corrected Downwind[1]	Comments
Time	Concentration [mg/m3]	Time	Concentration [mg/m3]	Concentration [mg/m3]	
7:55 AM	0.020	7:55 AM	0.022	0.002	
8:10 AM	0.023	8:10 AM	0.024	0.001	
8:25 AM	0.023	8:25 AM	0.023	0.000	
8:40 AM	0.018	8:40 AM	0.019	0.001	
8:55 AM	0.009	8:55 AM	0.010	0.001	
9:10 AM	0.005	9:10 AM	0.005	0.000	
9:25 AM	0.004	9:25 AM	0.005	0.001	
9:40 AM	0.008	9:40 AM	0.007	-0.001	
9:55 AM	0.003	9:55 AM	0.004	0.001	
10:10 AM	0.004	10:10 AM	0.009	0.005	
10:25 AM	0.002	10:25 AM	0.005	0.003	
10:40 AM	0.005	10:40 AM	0.008	0.003	
10:55 AM	0.000	10:55 AM	0.001	0.001	
11:10 AM	0.000	11:10 AM	0.003	0.003	
11:25 AM	0.000	11:25 AM	0.002	0.002	
11:40 AM	0.000	11:40 AM	0.001	0.001	
11:55 AM	0.001	11:55 AM	0.001	0.000	
12:10 PM	0.002	12:10 PM	0.001	-0.001	
12:25 PM	0.000	12:25 PM	0.000	0.000	
12:40 PM	0.000	12:40 PM	0.001	0.001	
12:55 PM	0.000	12:55 PM	0.000	0.000	

Notes:

1. Corrected downwind concentration is based on the difference of the upwind meter concentration and respective downwind meter location.

DRAFT

Roux Environmental Engineering and Geology, D.P.C.
Community Air Monitoring Program - VOC

Project: Lafayette Site A
PM: Lauren Dolginko
Location: 1931 Lafayette Bronx New York
Date: 10/10/2025

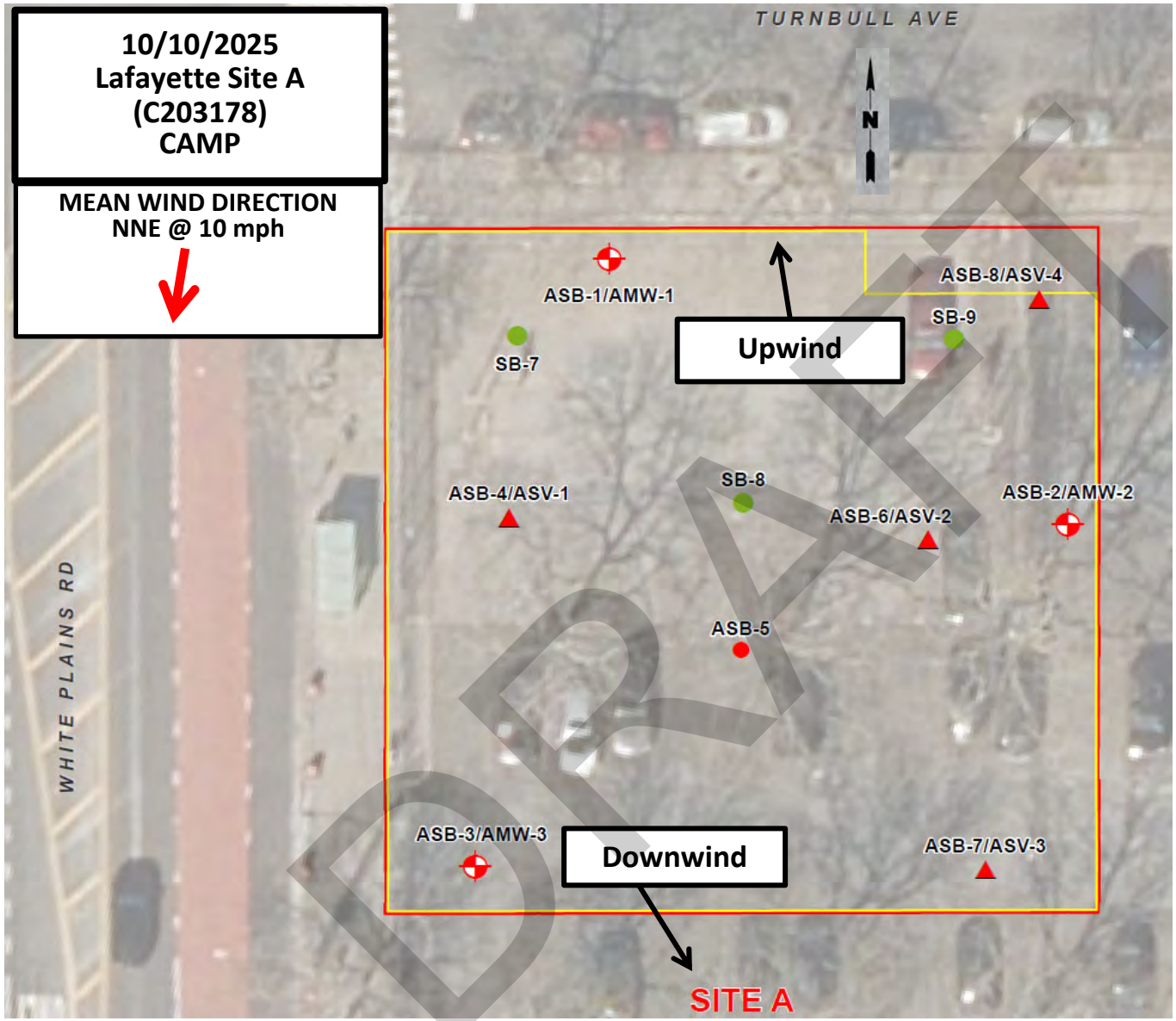
Upwind Serial Number 592-920834
Downwind Serial Number 592-600897

Upwind		Downwind		Corrected[1] Downwind	Comments
Time	VOC Average (ppm)	Time	VOC Average (ppm)	VOC Average (ppm)	
7:55 AM	0.0	7:55 AM	0.0	0.0	
8:10 AM	0.0	8:10 AM	0.0	0.0	
8:25 AM	0.0	8:25 AM	0.0	0.0	
8:40 AM	0.0	8:40 AM	0.0	0.0	
8:55 AM	0.0	8:55 AM	0.0	0.0	
9:10 AM	0.0	9:10 AM	0.0	0.0	
9:25 AM	0.0	9:25 AM	0.0	0.0	
9:40 AM	0.0	9:40 AM	0.2	0.2	
9:55 AM	0.0	9:55 AM	0.4	0.4	
10:10 AM	0.0	10:10 AM	0.5	0.5	
10:25 AM	0.0	10:25 AM	0.6	0.6	
10:40 AM	0.0	10:40 AM	0.7	0.7	
10:55 AM	0.0	10:55 AM	0.9	0.9	
11:10 AM	0.1	11:10 AM	1.0	0.9	
11:25 AM	0.1	11:25 AM	1.0	0.9	
11:40 AM	0.1	11:40 AM	1.0	0.9	
11:55 AM	0.1	11:55 AM	0.9	0.8	
12:10 PM	0.1	12:10 PM	1.1	1.0	
12:25 PM	0.1	12:25 PM	1.1	1.0	
12:40 PM	0.1	12:40 PM	1.1	1.0	
12:55 PM	0.1	12:55 PM	1.1	1.0	

Notes:

1. Corrected downwind concentration is based on the difference of the upwind meter concentration and respective downwind meter location.

DRAFT


10/10/2025
Lafayette Site A
(C203178)
CAMP
MEAN WIND DIRECTION
NNE @ 10 mph
TURNBULL AVE
N
WHITE PLAINS RD
ASB-1/AMW-1
SB-7
Upwind
ASB-8/ASV-4
SB-9
ASB-4/ASV-1
SB-8
ASB-6/ASV-2
ASB-2/AMW-2
ASB-5
ASB-3/AMW-3
Downwind
ASB-7/ASV-3
SITE A
DRAFT

ROUX

DAILY SITE FIELD ACTIVITY REPORT

PROJECT NO.:	3868.0004Y002	**CLIENT:**	**DATE:**	10/17/2025
PROJECT:	Lafayette Site A (C203178)	GDC Strada Castle Hill JV I LLC	**WEATHER:**	Temp: 42-63°F, Sunny, RH: 72% Pres: 30.02" Wind: North @ 8 mph
LOCATION:	1931 Lafayette Avenue, Bronx, NY		**TIME:**	07:00 – 16:00

CONTRACTOR AND EQUIPMENT	PERSONNEL PRESENT AT SITE AND AFFILIATION:
Trinity Environmental Submersible well pump	Josue Criollo – Roux D.P.C. Joe Sakellis – Trinity Environmental

SCOPE OF WORK:

Roux D.P.C. (Roux) was onsite to complete implementation of the Remedial Investigation (RI) field work in accordance with the New York State Department of Environmental Conservation (NYSDEC)-approved Remedial Investigation Work Plan (RIWP), dated September 30, 2025.

Description of work activities performed and general observations/comments:

- Trinity developed the newly constructed monitoring wells AMW-1, AMW-3, and AMW-3, under Roux's oversight. All purged groundwater was stored in labeled 55-gallon steel drums for future offsite disposal.
- Roux performed helium leak tests at each location prior to start of soil vapor sample collection at ASV-1, ASV-2, ASV-3, and ASV-4. Additionally, one ambient air and one duplicate soil vapor sample was collected.

CAMP data evaluation: CAMP was not implemented due to no ground intrusive work.

Offsite Disposal: N/A

Sampling Performed:

Matrix	Sample ID	Analyses
Air	ASV-1, ASV-2, ASV-3, ASV-4, DUP_SV_101725, and AAA	TO-15 VOCs

Upcoming work activities anticipated:

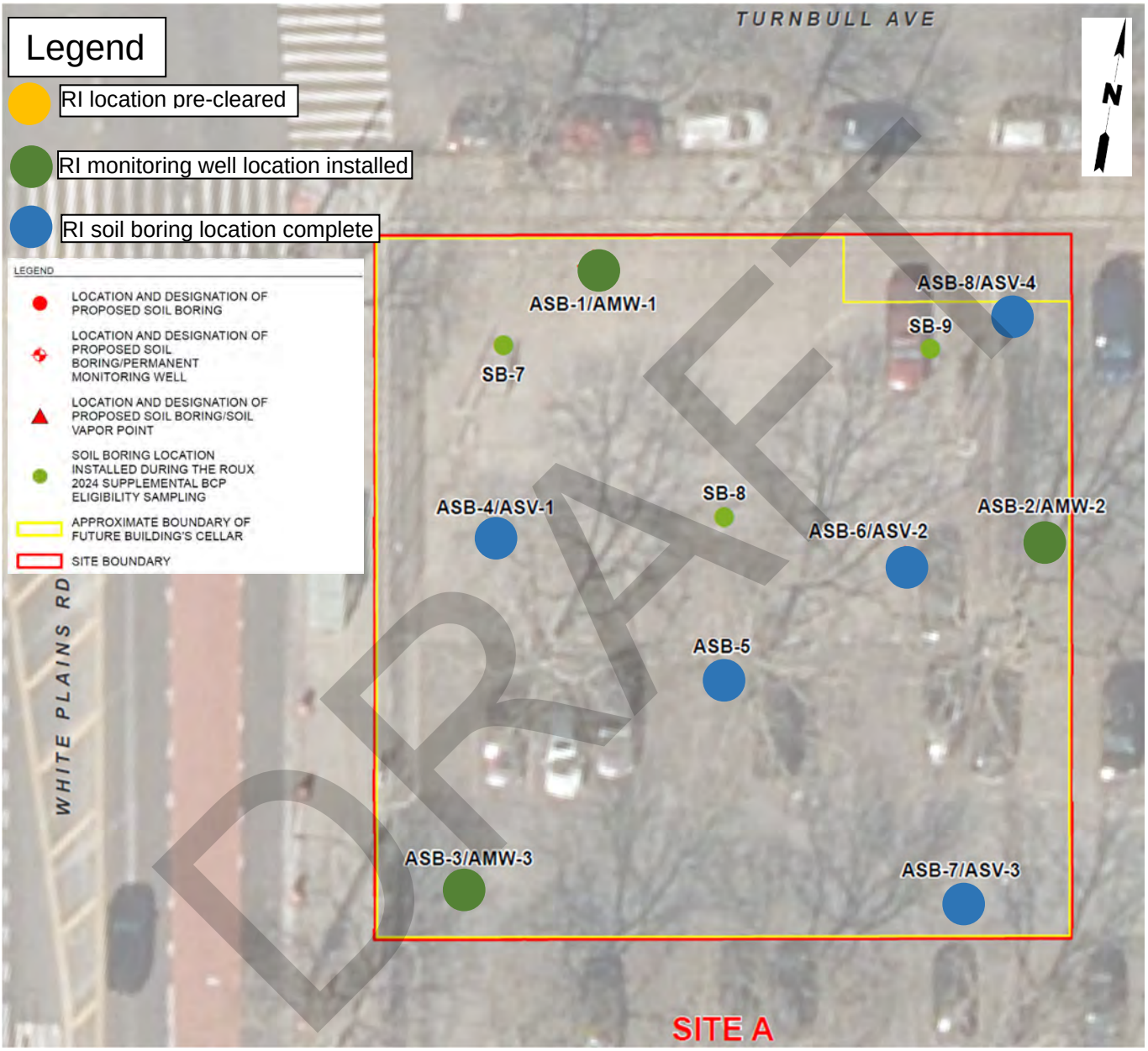
- Roux will collect groundwater samples from the newly installed monitoring wells.
- Mega Surveying and Engineering will survey permanent groundwater monitoring well locations.

DRAFT

Approved:	Lauren Dolginko	By:	**Josue Criollo** **ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.**

DAILY SITE FIELD ACTIVITY REPORT

PROJECT NO.:	3868.0004Y002	**CLIENT:**	**DATE:**	10/17/2025
PROJECT:	Lafayette Site A (C203178)	GDC Strada Castle Hill JV I LLC	**WEATHER:**	Temp: 42-63°F, Sunny, RH: 72% Pres: 30.02" Wind: North @ 8 mph
LOCATION:	1931 Lafayette Avenue, Bronx, NY		**TIME:**	07:00 – 16:00



Approved:	Lauren Dolginko	By:	**Josue Criollo**
			ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.

ROUX

DAILY SITE FIELD ACTIVITY REPORT

PROJECT NO.:	3868.0004Y002	**CLIENT:**	**DATE:**	10/17/2025
PROJECT:	Lafayette Site A (C203178)	GDC Strada Castle Hill JV I LLC	**WEATHER:**	Temp: 42-63°F, Sunny, RH: 72% Pres: 30.02" Wind: North @ 8 mph
LOCATION:	1931 Lafayette Avenue, Bronx, NY		**TIME:**	07:00 – 16:00

PHOTOGRAPHS TAKEN TODAY: Lafayette Site A



Photo 1: Looking north-northwest, view of summa canisters at ASV-4.



Photo 2: Looking north, view of Trinity performing well development operations at AMW-1.

DRAFT

Approved:	Lauren Dolginko	By:	**Josue Criollo**
			ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.

DAILY SITE FIELD ACTIVITY REPORT

PROJECT NO.:	3868.0004Y002	**CLIENT:**	**DATE:**	10/17/2025
PROJECT:	Lafayette Site A (C203178)	GDC Strada Castle Hill JV I LLC	**WEATHER:**	Temp: 42-63°F, Sunny, RH: 72% Pres: 30.02" Wind: North @ 8 mph
LOCATION:	1931 Lafayette Avenue, Bronx, NY		**TIME:**	07:00 – 16:00



Photo 3: Looking east, view of labeled 55-gallon steel drums with purged groundwater within the eastern portion of the site.

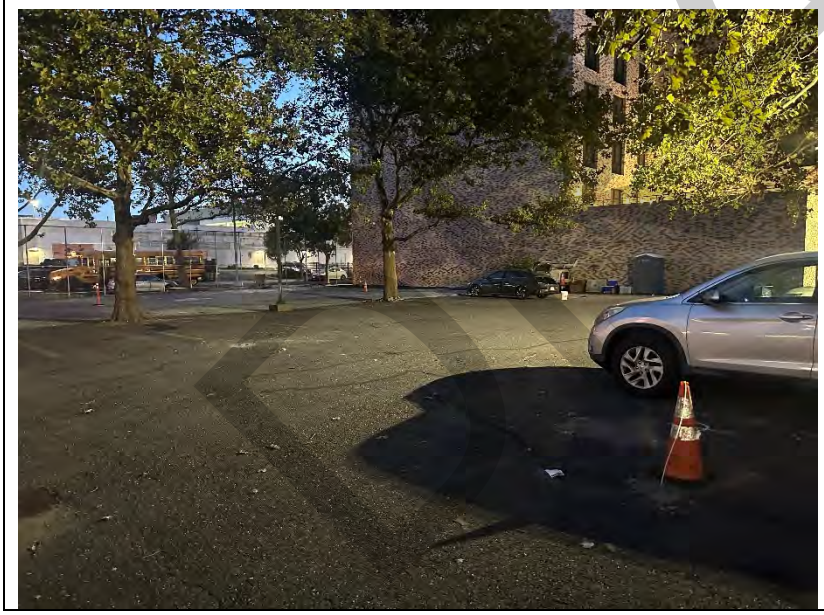


Photo 4: Looking northeast, view of general site conditions.

DRAFT

Approved:	Lauren Dolginko	By:	**Josue Criollo**
			ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.

ROUX

DAILY SITE FIELD ACTIVITY REPORT

PROJECT NO.:	3868.0004Y002	**CLIENT:**	**DATE:**	10/30/2025
PROJECT:	Lafayette Site A (C203178)	GDC Strada Castle Hill JV I LLC	**WEATHER:**	Temp: 50-63°F, Rainy, RH: 89% Pres: 29.90" Wind: Northeast @ 17 mph
LOCATION:	1931 Lafayette Avenue, Bronx, NY		**TIME:**	07:00 – 16:00

CONTRACTOR AND EQUIPMENT	PERSONNEL PRESENT AT SITE AND AFFILIATION:
N/A	Alfredo Fernandez – Roux D.P.C. Michael Sarni – Roux D.P.C.

SCOPE OF WORK:

Roux D.P.C. (Roux) was onsite to complete implementation of the Remedial Investigation (RI) field work in accordance with the New York State Department of Environmental Conservation (NYSDEC)-approved Remedial Investigation Work Plan (RIWP), dated September 30, 2025.

Description of work activities performed and general observations/comments:

- Roux gauged all newly installed monitoring wells prior to purging. Roux purged to stabilization at each monitoring well location prior to start of groundwater sample collection at AMW-1, AMW-2, and AMW-3. Additionally, one matrix spike/matrix spike duplicate, one duplicate, and one field blank were collected.

CAMP data evaluation: CAMP was not implemented due to no ground intrusive work.

Offsite Disposal: N/A

Sampling Performed:

Matrix	Sample ID	Analyses
Water	AMW-1, AMW-2, AMW-3, and DUP_103025	Part 375 VOCs method 8360D, SVOCs method 8270E, PCBs method 8082A, pesticides via method 8081B, total and dissolved metals (hexavalent chromium, trivalent chromium, and total cyanide via method 6020B, 7470A, and 9012B), and PFAS and 1,4 dioxane via method 1633A

Upcoming work activities anticipated:

- Roux will complete the waste characterization and remedial investigation reports.

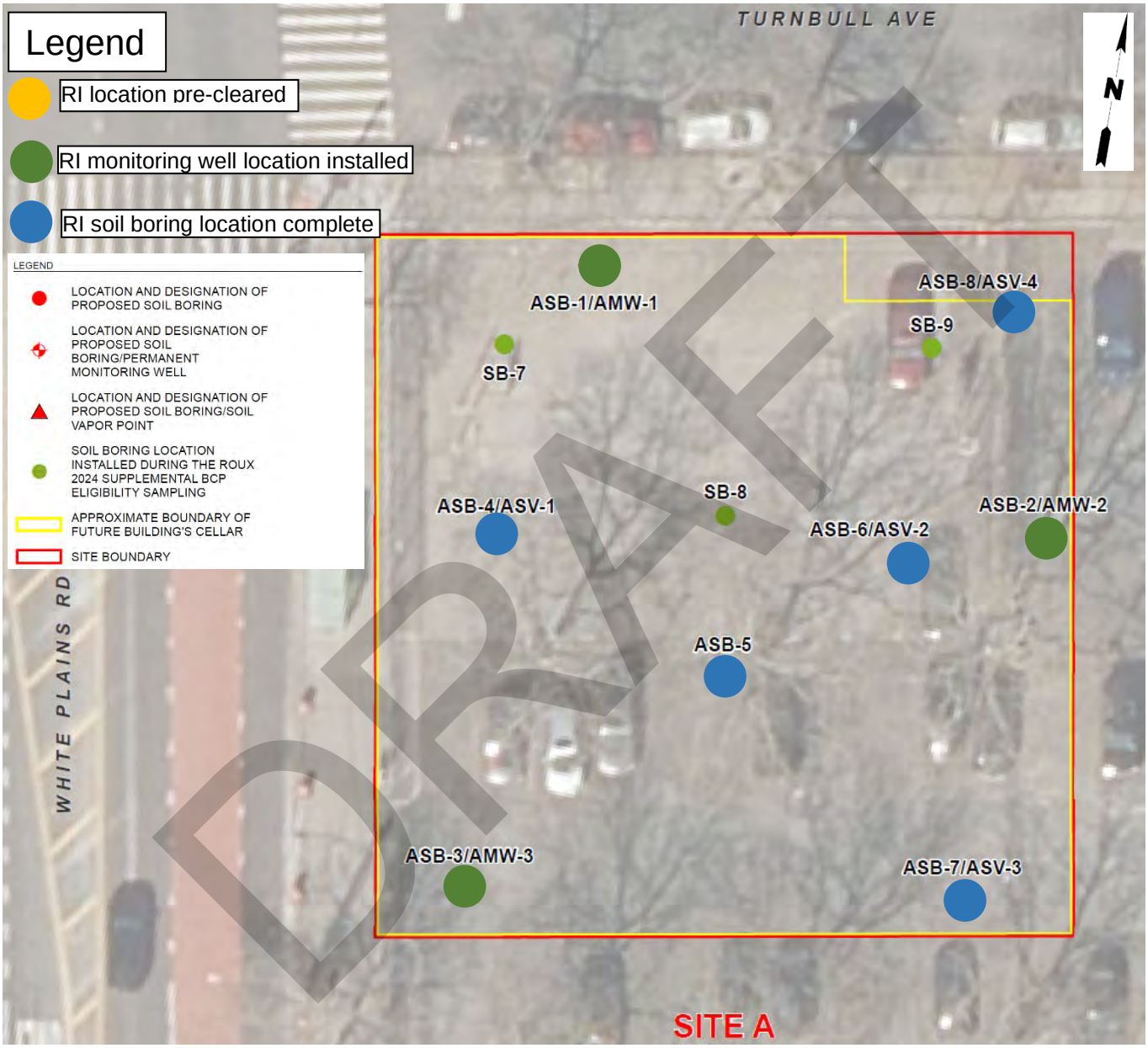
Approved:	Lauren Dolginko	By:	**Patrick Perry** **ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.**

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DAILY SITE FIELD ACTIVITY REPORT

PROJECT NO.:	3868.0004Y002	**CLIENT:**	**DATE:**	10/30/2025
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LOCATION:	1931 Lafayette Avenue, Bronx, NY		**TIME:**	07:00 – 16:00



Approved:	Lauren Dolginko	By:	**Patrick Perry**
			ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.

DAILY SITE FIELD ACTIVITY REPORT

PROJECT NO.:	3868.0004Y002	**CLIENT:**	**DATE:**	10/30/2025
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LOCATION:	1931 Lafayette Avenue, Bronx, NY		**TIME:**	07:00 – 16:00

PHOTOGRAPHS TAKEN TODAY: Lafayette Site A



Photo 1: Looking west, view of groundwater sampling set up.

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Approved:	Lauren Dolginko	By:	**Patrick Perry** **ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.**

APPENDIX E

Geophysical Survey Report

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GEOPHYSICAL ENGINEERING SURVEY REPORT

Parking Lot- SITE "A"
1931 Lafayette Avenue
Bronx, NY 10473

NOVA PROJECT NUMBER:
25-5317

DATED:
October 10, 2025

DRAFT

PREPARED FOR:

ROUX
209 Shafter St,
Islandia, NY 11749

PREPARED BY:

NOVA
GEOPHYSICAL
ENGINEERING
Subsurface Mapping Solutions
56-01 Marathon Parkway # 765
Douglaston, New York 11362
347-556-7787 (PHONE)
718-261-1527(FAX)
www.nova-gsi.com

NOVA GEOPHYSICAL SERVICES

SUBSURFACE MAPPING SOLUTIONS
56-01 Marathon Parkway #765, Douglaston, New York 11362
Ph. 347-556-7787 Fax. 718-261-1527
www.novagsi.com

October 10, 2025

DRAFT

Patrick M. Perry, GIT | Staff Geologist II

ROUX

209 Shafter Street, Islandia, New York 11749
P: 631-232-2600 M: 315-447-4533 E: pperry@rouxinc.com |

Re: Geophysical Engineering Survey (GES) Report
Parking Lot- Site "A"
1931 Lafayette Avenue
Bronx, NY 10473

Dear Mr. Perry,

Nova Geophysical Services (NOVA) is pleased to provide the findings of the geophysical engineering survey (GES) at the above referenced project site ("Site A") : 1931 Lafayette Avenue, Bronx NY (the "Site").

INTRODUCTION TO GEOPHYSICAL ENGINEERING SURVEY (GES)

NOVA performed a geophysical engineering survey (GES) consisting of a Ground Penetrating Radar (GPR) and Electromagnetic (EM) survey at the site. The purpose of this survey is to locate and identify utilities, underground storage tanks and other substructures at the project site on October 8th, 2025.

The equipment selected for this investigation was a GSSI UtilityScan 350 MHz ground penetrating radar (GPR) with a shielded antenna Sensors and Software Noggin 250 MHz GPR with a shielded antenna and a RadioDetection RD7100 Electromagnetic utility locator. A GPR system consists of a radar control unit,

control cable, and transducer (antenna). The control unit transmits a trigger pulse at a normal repetition rate of 250/350 MHz. The trigger pulse is sent to the transmitter electronics in the transducer via the control cable. The transmitter electronics amplify the trigger pulse into bipolar pulses that are radiated to the surface. The transformed pulses vary in shape and frequency according to the transducer used. In the subsurface, variations of the signal occur at boundaries where there is a dielectric contrast (void, steel, soil type, etc.). Signal reflections travel back to the control unit and are represented as color graphic images for interpolation.

A typical electromagnetic (EM) utility locating system consists of a transmitter unit and a receiver unit. The receiver unit can be used independently of the transmitter unit in order to detect utility lines with an inherent EM signature (electric utility lines, water lines, etc.). If needed a current at a specific frequency can also be placed on a utility that is being located. This can be done via the transmitter unit by either direct connection or induction via an EM field varying at specific frequency. The receiver unit is then set to the selected frequency and the electromagnetic field created by the current running through the utility can be located allowing the utility to be marked.

GEOPHYSICAL METHODS

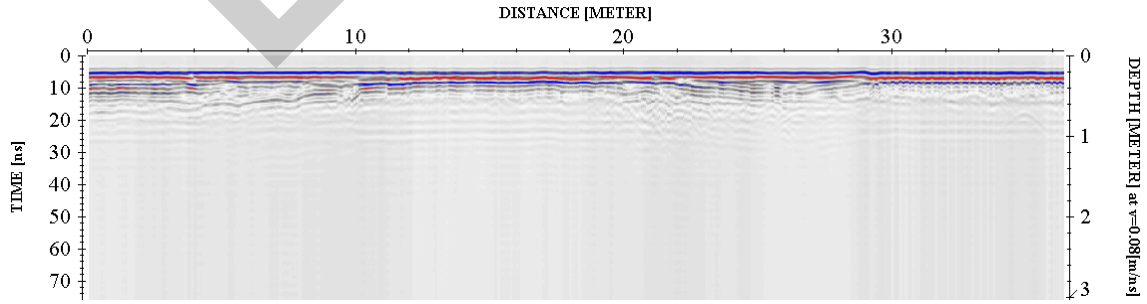
The project site was screened using GPR to search the specified area and inspected for reflections, which could be indicative of substructures and utilities within the subsurface. An EM utility locator was used to help determine the locations of utilities within the survey area.

EM data was collected and interpreted on site and suspected utilities marked as needed. GPR data profiles were collected for the areas of the Site specified by the client and processed as specified below.

DATA PROCESSING

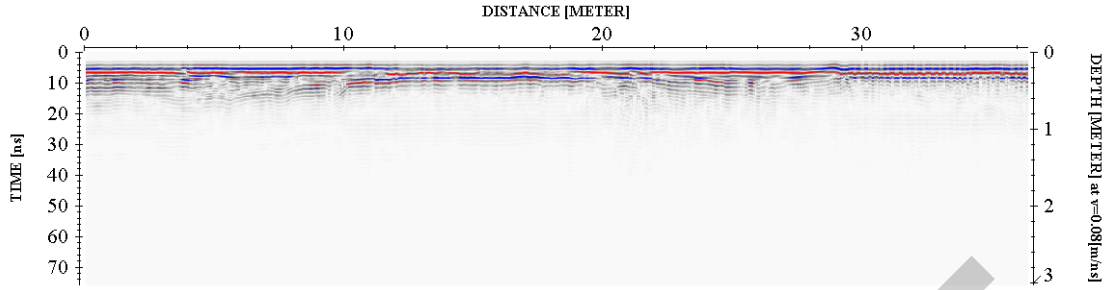
In order to improve the quality of the results and to better identify anomalies NOVA processed the collected data. The processing work flow is briefly described in this section.

Step 1. Import Raw RAMAC data to standard processing format

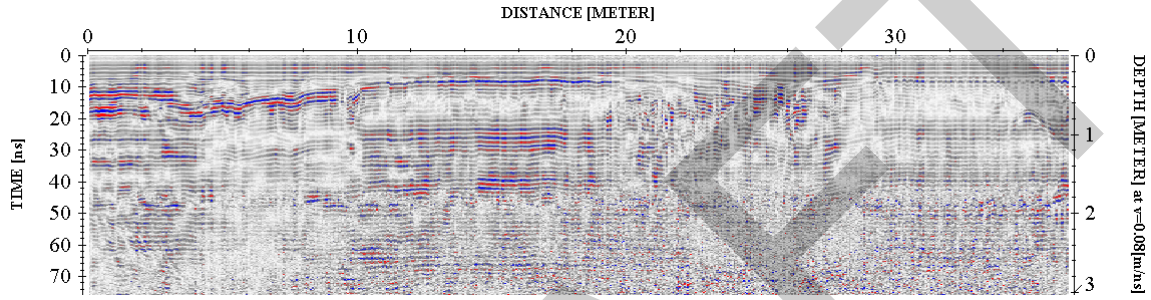


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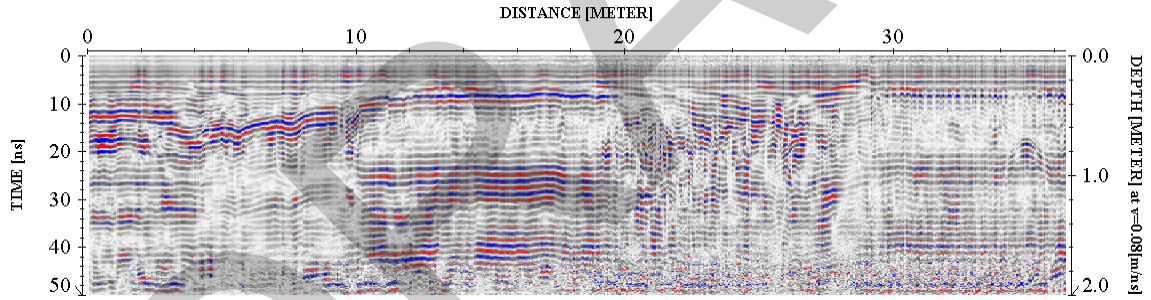
Step 2. Remove instrument noise *(dewow)*



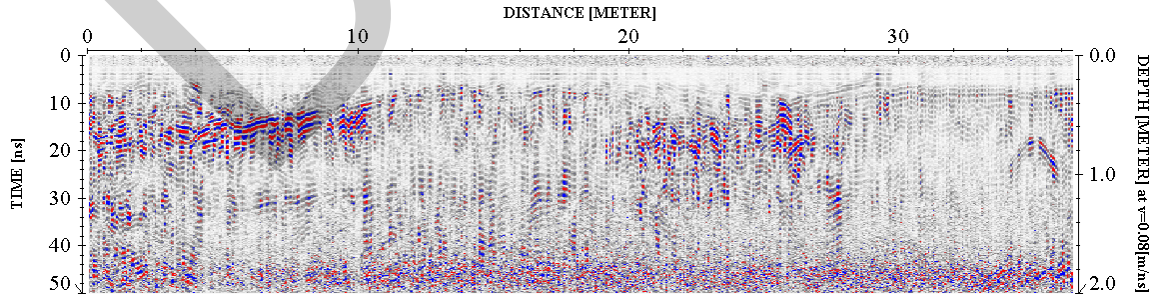
Step 3. Correct for attenuation losses *(energy decay function)*



Step 4. Remove static from bottom of profile *(time cut)*



Step 5. Mute horizontal ringing/noise *(subtracting average)*



The above example shows the significance of data processing. The last image (step 5) has higher resolution than the starting image (raw data – step 1) and represents the subsurface anomalies much more accurately.

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PHYSICAL SETTINGS

NOVA observed the following physical conditions at the time of the survey.

Weather: Mild Rain

Temperature: 72° F

Surface: Asphalt

Survey Parameters: A GPR grid scan was conducted within the survey areas as shown on the survey plan. The approximate line spacing of the grid survey was approximately 5'. Additional GPR data was collected over features of interest.

Limitations: The geophysical noise level (GNL) at the site was high due to being in an urban environment as well as other unknown anthropogenic sources.

RESULTS

The results of the geophysical engineering survey (GES) identified the following at the project site:

- Anomalies resembling potential subsurface utilities (such as Drain) were identified. The approximate locations are shown in the survey plan.
- The GES identified a storm drain within the survey area. Based on the GES, this drain discharges onto sewer system on White Plains Road.
- The GES did not identify any other subsurface utilities within the project site.
- The GES did not identify any anomalies consistent with those of USTs or buried structures.
- NOVA cleared and marked all proposed boring locations and adjusted them if in proximity to a utility.

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If you have any questions, please do not hesitate to contact the undersigned.

Sincerely,

NOVA Geophysical Services



Levent Eskicakit, P.G., E.P.

Project Manager

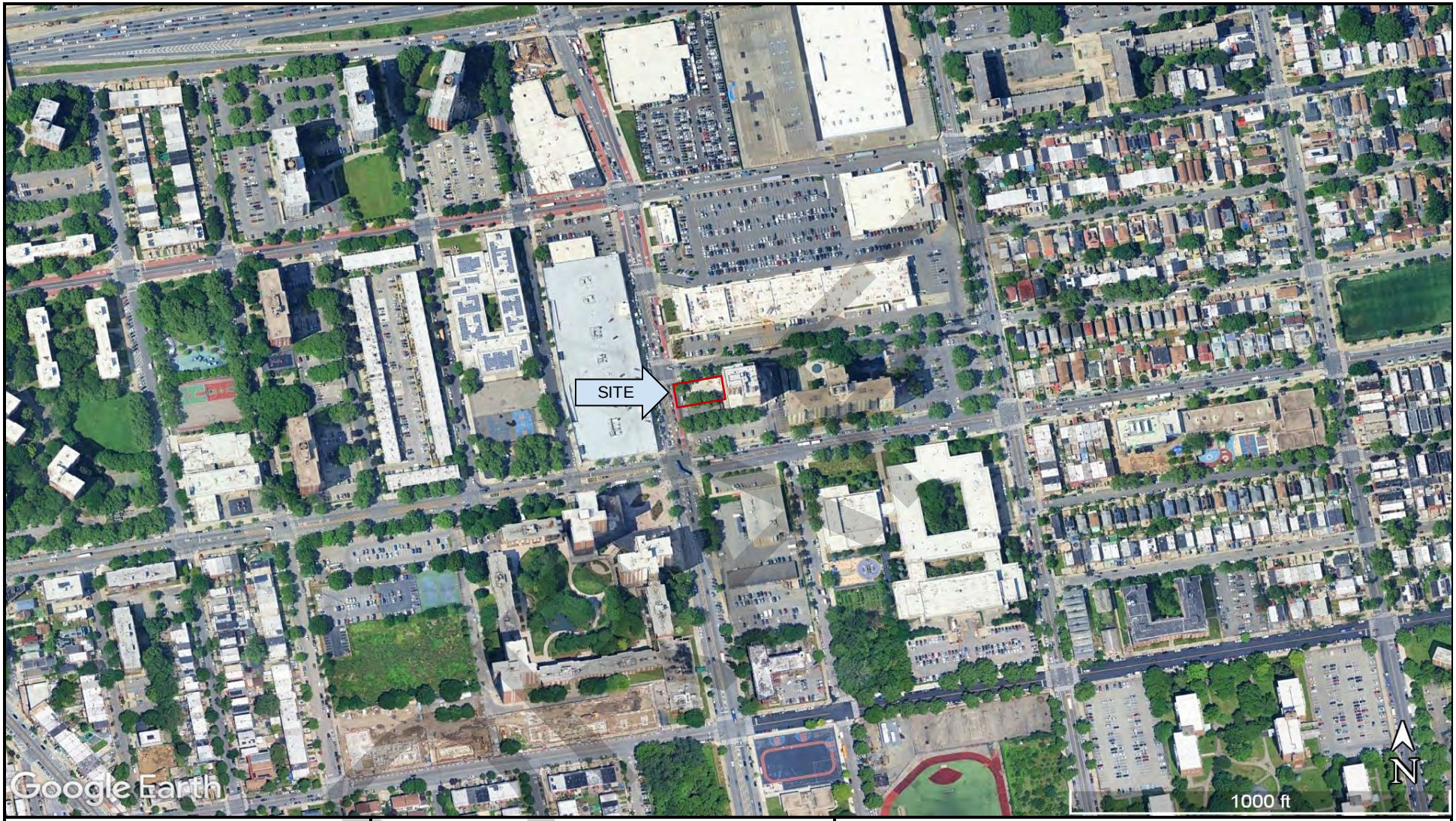
Attachments:

Location Map

Survey Plan

Geophysical Images

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NOVA
Geophysical Services
Subsurface Mapping Solutions
56-01 Marathon Parkway, # 765
Douglaston, New York 11362
Phone (347) 556-7787 * Fax (718) 261-1527
www.novagsi.com

Location Map

SITE:	**Parking Lot** 1931 Lafayette Ave "Site A", Bronx, New York 10473
CLIENT:	ROUX
DATE:	October 8th, 2025
AUTH:	Jason Staunton

LEGEND



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www.novagsi.com

SURVEY PLAN

SITE:	**Parking Lot – SITE "A"** 1931 Lafayette Avenue Bronx, New York 10473
CLIENT:	ROUX
DATE:	October 8th, 2025
AUTH:	Jason Staunton & Ethan Siegenthaler

LEGEND

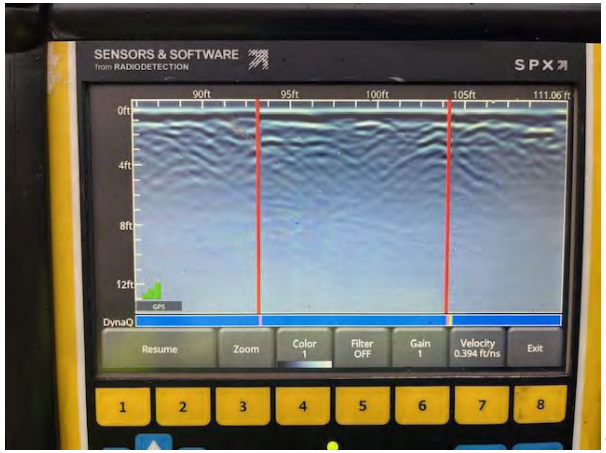
- Survey Area
- Drain/ Sewer
- Drain
- Boring Location

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GEOPHYSICAL IMAGES

Parking Lot
1931 Lafayette Avenue “Site A”,
Bronx, NY 10473
October 8th, 2025

DRAFT









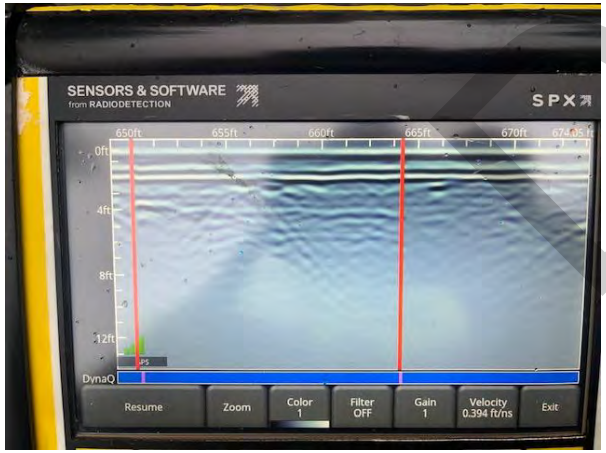
GEOPHYSICAL IMAGES

Parking Lot
1931 Lafayette Avenue “Site A”,
Bronx, NY 10473
October 8th, 2025

DRAFT









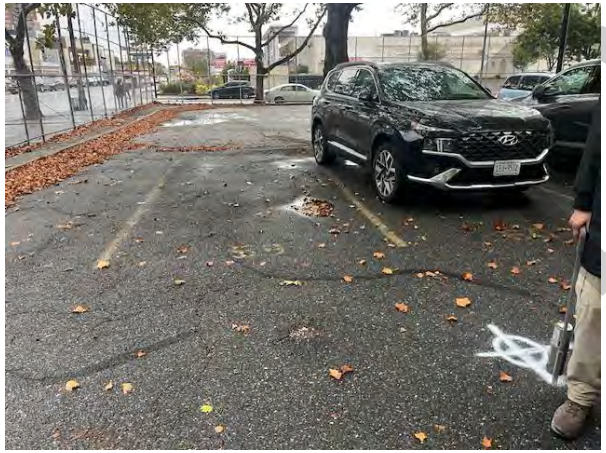
GEOPHYSICAL IMAGES

Parking Lot
1931 Lafayette Avenue “Site A”,
Bronx, NY 10473
October 8th, 2025

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GEOPHYSICAL IMAGES

Parking Lot
1931 Lafayette Avenue “Site A”,
Bronx, NY 10473
October 8th, 2025









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GEOPHYSICAL IMAGES

Parking Lot
1931 Lafayette Avenue “Site A”,
Bronx, NY 10473
October 8th, 2025

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APPENDIX F

Groundwater Sampling Forms

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Well Sampling Data Form

Client: GDC Strada Castle Hill JV I LLC **Project Number:** 3868.0004Y002
Site Location: 1931 Lafayette Avenue, Bronx, New York

Well No: AMW-1 Weather: 58 degrees, heavy rain
Date: 10/30/2025 Purge Water Disposal: Drum
Sampled By: Michael Sarni Well Diameter / Type: 2 -inch flushmount

Depth of Well (ft): 17.2 Water Column (ft): 7.2
Depth to Water(ft): 10 Volume of Water in Well (gal) 1.18
Depth to Product (ft): N/A Volume of Water to Remove (gal):

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 8:30 Purge Rate: 100 ml/min
End Purging: 9:00 Volume of Water Removed (gal): ~2
Method of Purge: Peristaltic Pump Method of Sampling: Low-flow

Physical Appearance/ Comments: Clear
Samples Collected: DUP103025 - 0905

Time: 9:00 Laboratory : Eurofins

Field Measurements:

Time	**DTW** ft	**Flow Rate** ml/min	**ORP** mV (+/- 10 mV)	**Conductivity** **mS/m** - S/m **(w/in 3%)**	**Turbidity** NTU (w/in %10)	**pH** SU (+/- 0.1)	**Temperature** **C°** - *F°* **(w/in 3%)**	**Dissolved O_2** mg/L (w/in 10%)
8:30	10	100	-110	0.448	114	7.76	16.98	7
8:33	10	100	-131	0.442	73.9	7.65	17.66	2.07
8:36	10	100	-138	0.44	61.1	7.63	17.77	1.79
8:39	10	100	-141	0.438	46.8	7.61	17.8	1.44
8:42	10	100	-148	0.434	43	7.58	17.86	1.3
8:45	10	100	-150	0.433	40.8	7.57	17.96	1.19
8:50	10	100	-151	0.434	28.2	7.56	17.99	0.82
8:55	10	100	-152	0.433	19.9	7.55	18.03	0.23
9:00	10.27	100	-153	0.433	17.8	7.54	18.06	0

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Well Sampling Data Form

Client: GDC Strada Castle Hill JV I LLC **Project Number:** 3868.0004Y002
Site Location: 1931 Lafayette Avenue, Bronx, New York

Well No: AMW-2 Weather: 58 degrees, heavy rain
Date: 10/30/2025 Purge Water Disposal: Drum
Sampled By: Michael Sarni Well Diameter / Type: 2 -inch flushmount

Depth of Well (ft): 18.03 Water Column (ft): 7.93
Depth to Water(ft): 10.1 Volume of Water in Well (gal) 1.29
Depth to Product (ft): N/A Volume of Water to Remove (gal):

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 7:00 Purge Rate: 100 ml/min
End Purging: 7:30 Volume of Water Removed (gal): ~2
Method of Purge: Peristaltic Pump Method of Sampling: Low-flow

Physical Appearance/ Comments: Clear
Samples Collected: MS / MSD

Time: 7:30 Laboratory : Eurofins

Field Measurements:

Time	**DTW** ft	**Flow Rate** ml/min	**ORP** mV (+/- 10 mV)	**Conductivity** **mS/m** - S/m **(w/in 3%)**	**Turbidity** NTU (w/in %10)	**pH** SU (+/- 0.1)	**Temperature** **C°** - *F°* **(w/in 3%)**	**Dissolved O_2** mg/L (w/in 10%)
7:00	10.1	100	-128	0.433	12.92	7.65	17.85	0.57
7:03	10.1	100	-132	0.384	12.32	7.59	18.03	0.56
7:06	10.1	100	-141	0.284	11.63	7.59	18.09	0.52
7:09	10.1	100	-143	0.357	11.49	7.6	18.13	0.49
7:12	10.1	100	-153	0.489	11.25	7.63	18.19	0.46
7:15	10.1	100	-159	0.667	11.11	7.64	18.23	0.45
7:20	10.1	100	-162	0.671	11.01	7.66	18.28	0.44
7:25	10.1	100	-164	0.665	10.95	7.66	18.3	0.44
7:30	10.32	100	-166	0.669	10.66	7.66	18.32	0.43

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Well Sampling Data Form

Client: GDC Strada Castle Hill JV I LLC **Project Number:** 3868.0004Y002
Site Location: 1931 Lafayette Avenue, Bronx, New York

Well No: AMW-3 Weather: 58 degrees, heavy rain
Date: 10/30/2025 Purge Water Disposal: Drum
Sampled By: Michael Sarni Well Diameter / Type: 2 -inch flushmount

Depth of Well (ft): 17.9 Water Column (ft): 6.8
Depth to Water(ft): 11.1 Volume of Water in Well (gal) 1.11
Depth to Product (ft): N/A Volume of Water to Remove (gal):

well diameter:	1 in	2 in	4 in	6 in	8 in
gallons per foot:	0.041	0.163	0.653	1.469	2.611

Start Purging: 9:30 Purge Rate: 100 ml/min
End Purging: 10:00 Volume of Water Removed (gal): ~2
Method of Purge: Peristaltic Pump Method of Sampling: Low-flow

Physical Appearance/ Clear
Comments:
Samples Collected: FB103025 0945

Time: 10:00 Laboratory : Eurofins

Field Measurements:

Time	**DTW** ft	**Flow Rate** ml/min	**ORP** mV (+/- 10 mV)	**Conductivity** **mS/m** - S/m **(w/in 3%)**	**Turbidity** NTU (w/in %10)	**pH** SU (+/- 0.1)	**Temperature** **C°** - *F°* **(w/in 3%)**	**Dissolved O_2** mg/L (w/in 10%)
9:30	11.1	100	-59	0.504	195	7.47	16.06	2.54
9:33	11.1	100	-77	0.496	168	7.36	16.33	1.87
9:36	11.1	100	-89	0.482	112	7.28	16.7	1.07
9:39	11.1	100	-94	0.477	106	7.27	16.73	0.9
9:42	11.1	100	-102	0.466	72.6	7.27	17.75	0.81
9:45	11.1	100	-108	0.459	41.6	7.27	16.77	0.77
9:50	11.1	100	-110	0.453	34.4	2.26	16.8	0.69
9:55	11.1	100	-111	0.449	31.8	2.26	16.82	0.34
10:00	11.39	100	-113	0.446	28.9	7.26	16.83	0

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APPENDIX G

Soil Vapor Sampling Forms

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Soil Vapor Sampling Form

Site Name: Lafayette Site A

Location: 1931 Lafayette Avenue, Bronx, New York

Date: 10/17/2025 **Time:** 7:40 AM

Weather : Sunny

Temperature (Start/End): 42-63 degrees Humidity (Start/End): 72%

Wind Magnitude (Start/End): 8 mph Wind Direction (Start/End): North

Barometric Pressure (Start/End): 30.02 inHG Precipitation: N/A

Sampling Team: Josue Criollo

Sampling Location: ASV-1

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and type of basement present)

No questionable conditions.

Prior to commencing the GeoProbe activity, ensure that all the rods were properly deconed and a new disposable tip is present at the end of the rods.

Calibrate the Helium detection meter

Utility Clearance Completed: Yes

Sampling Depth: 7.5 feet below land surface

Sealed with bentonite : Yes

Purge Rate: 200 Must be less than 0.2 L/min

Purge Time: 2-3 min Assuming 0.17"tubing internal dia. purge 15sec./every 10ft of tubing

Helium Rate at enclosure: 1510 ppm

Helium Rate from sample tubing: 0 ppm Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 in. of Hg

Is the Summa Canister Certified Clean and within the proper holding time ? Yes

Starting Pressure: -30.0 in. of Hg

Starting Time: 7:48 AM **Date:** 10/17/2025

Ending Time: 3:48 PM **Date:** 10/17/2025

Ending Pressure: -6 in. of Hg

Summa Canister Identification #: 1298

Flow Regulator ID # 4188

Sample ID # ASV-1 **Time** 8 hours

Analysis 70 - 15

Laboratory Eurofins

Comments

DRAFT

Soil Vapor Sampling Form

Site Name: Lafayette Site A

Location: 1931 Lafayette Avenue, Bronx, New York

Date: 10/17/2025 **Time:** 7:32 AM

Weather : Sunny

Temperature (Start/End): 42-63 degrees Humidity (Start/End): 72%

Wind Magnitude (Start/End): 8 mph Wind Direction (Start/End): North

Barometric Pressure (Start/End): 30.02 inHG Precipitation: N/A

Sampling Team: Josue Criollo

Sampling Location: ASV-2

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and type of basement present)

No questionable conditions.

Prior to commencing the GeoProbe activity, ensure that all the rods were properly deconed and a new disposable tip is present at the end of the rods.

Calibrate the Helium detection meter

Utility Clearance Completed: Yes

Sampling Depth: 8 feet below land surface

Sealed with bentonite : Yes

Purge Rate: 200 Must be less than 0.2 L/min

Purge Time: 2-3 min Assuming 0.17"tubing internal dia. purge 15sec./every 10ft of tubing

Helium Rate at enclosure: 2050 ppm

Helium Rate from sample tubing: 0 ppm Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 in. of Hg

Is the Summa Canister Certified Clean and within the proper holding time ? Yes

Starting Pressure: -29.0 in. of Hg

Starting Time: 7:38 AM **Date:** 10/17/2025

Ending Time: 3:28 PM **Date:** 10/17/2025

Ending Pressure: -5.5 in. of Hg

Summa Canister Identification #: 1998

Flow Regulator ID # 8558

Sample ID # ASV-2 **Time** 8 hours

Analysis 70 - 15

Laboratory Eurofins

Comments

DRAFT

Soil Vapor Sampling Form

Site Name: Lafayette Site A

Location: 1931 Lafayette Avenue, Bronx, New York

Date: 10/17/2025 **Time:** 7:52 AM

Weather : Sunny

Temperature (Start/End): 42-63 degrees Humidity (Start/End): 72%

Wind Magnitude (Start/End): 8 mph Wind Direction (Start/End): North

Barometric Pressure (Start/End): 30.02 inHG Precipitation: N/A

Sampling Team: Josue Criollo

Sampling Location: ASV-3

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and type of basement present)

No questionable conditions.

Prior to commencing the GeoProbe activity, ensure that all the rods were properly deconed and a new disposable tip is present at the end of the rods.

Calibrate the Helium detection meter

Utility Clearance Completed: Yes

Sampling Depth: 8 inches below land surface

Sealed with bentonite : Yes

Purge Rate: 200 Must be less than 0.2 L/min

Purge Time: 2-3 min Assuming 0.17"tubing internal dia. purge 15sec./every 10ft of tubing

Helium Rate at enclosure: 15000 ppm

Helium Rate from sample tubing: 0 ppm Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 in. of Hg

Is the Summa Canister Certified Clean and within the proper holding time ? Yes

Starting Pressure: -33.0 in. of Hg

Starting Time: 8:03 AM **Date:** 10/17/2025

Ending Time: 3:55 PM **Date:** 10/17/2025

Ending Pressure: -7 in. of Hg

Summa Canister Identification #: 4947

Flow Regulator ID # 7662

Sample ID # ASV-3 **Time** 8 hours

Analysis 70 - 15

Laboratory Eurofins

Comments

DRAFT

Soil Vapor Sampling Form

Site Name: Lafayette Site A

Location: 1931 Lafayette Avenue, Bronx, New York

Date: 10/17/2025 **Time:** 7:10 AM

Weather : Sunny

Temperature (Start/End): 42-63 degrees Humidity (Start/End): 72%

Wind Magnitude (Start/End): 8 mph Wind Direction (Start/End): North

Barometric Pressure (Start/End): 30.02 inHG Precipitation: N/A

Sampling Team: Josue Criollo

Sampling Location: ASV-4 and DUPLICATE

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and type of basement present)

No questionable conditions. Stormwater drain appox. 4ft from sampling location.

Prior to commencing the GeoProbe activity, ensure that all the rods were properly deconed and a new disposable tip is present at the end of the rods.

Calibrate the Helium detection meter

Utility Clearance Completed: Yes

Sampling Depth: 8 feet below land surface

Sealed with bentonite : Yes

Purge Rate: 200 Must be less than 0.2 L/min

Purge Time: 2-3 min Assuming 0.17"tubing internal dia. purge 15sec./every 10ft of tubing

Helium Rate at enclosure: 4400 ppm

Helium Rate from sample tubing: 0 ppm Is this rate <10% of the rate at the enclosure **Yes**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 in. of Hg

Is the Summa Canister Certified Clean and within the proper holding time ?

Starting Pressure: -24.0 in. of Hg

Starting Time: 7:26 AM **Date:** 10/17/2025

Ending Time: 3:26 PM **Date:** 10/17/2025

Ending Pressure: -6 in. of Hg

Summa Canister Identification #: 1664

Flow Regulator ID # 3048

Sample ID # ASW-4 **Time** 8 hours

Analysis 70 - 15

Laboratory Eurofins

Comments

DRAFT

Soil Vapor Sampling Form

Site Name: Lafayette Site A

Location: 1931 Lafayette Avenue, Bronx, New York

Date: 10/17/2025 **Time:** 8:10 AM

Weather : Sunny

Temperature (Start/End): 42-63 degrees Humidity (Start/End): 72%

Wind Magnitude (Start/End): 8 mph Wind Direction (Start/End): North

Barometric Pressure (Start/End): 30.02 inHG Precipitation: N/A

Sampling Team: Josue Criollo

Sampling Location: AAA

Site Condition (i.e. any adjacent questionable facilities, vent pipes, tanks, etc. and type of basement present)

No questionable conditions. Canister setup within the center portion of lot A at approx. 4ft AGS

Prior to commencing the GeoProbe activity, ensure that all the rods were properly deconed and a new disposable tip is present at the end of the rods.

Calibrate the Helium detection meter

Utility Clearance Completed: N/A

Sampling Depth: N/A inches below land surface

Sealed at land surface : N/A

Purge Rate: N/A Must be less than 0.2 L/min

Purge Time: N/A Assuming 0.17"tubing internal dia. purge 15sec./every 10ft of tubing

Helium Rate at enclosure: N/A

Helium Rate from sample tubing: N/A Is this rate <10% of the rate at the enclosure **N/A**

If the Helium readings have a greater ratio than 10% the seals should be rechecked and the tracer gas should be reapplied.

Once the tracer gas screening procedures are completed and no short-circuiting is determined to be present at the location the soil vapor sample can be collected in a lab certified clean summa canister at a rate less than 0.2 L/min.

Finishing pressure should be within 0.5 - 4 in. of Hg

Is the Summa Canister Certified Clean and within the proper holding time ? Yes

Starting Pressure: -30.0 in. of Hg

Starting Time: 8:10 AM **Date:** 10/17/2025

Ending Time: 3:50 PM **Date:** 10/17/2025

Ending Pressure: -5 in. of Hg

Summa Canister Identification #: 1270

Flow Regulator ID # 3294

Sample ID # AAA **Time** 8 hours

Analysis 70 - 15

Laboratory Eurofins

Comments

DRAFT

APPENDIX H

Soil Boring and Monitoring Well Construction Logs

DRAFT

A1WC-1/ASB-1/AMW-1

Client: Gilbane Development Co.	Site: 1931 Lafayette Ave	Project Number: 3868.0004Y002
Address: 1931 Lafayette Ave	City/State: Bronx, NY	Logged By: PP

Start to Finish Date: 10/8/2025 - 10/8/2025	Contractor: Trinity Environmental	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 20 feet	Backfill: Soil Cuttings	Borehole Diameter: 2-inches	DTW: 10 feet
Area: NM	Elevation: NM	Latitude: NM	Longitude: NM

Well Depth: 18.5 feet	Well Dia./Materials: 2-inch PVC	Screen Interval: 7-17.5 feet	Screen Slot Size: 20-Slot	Sand/Filter Pack Size: Morie #2	Annular Seal:

Depth (ft)	Well Diagram	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
0		ASPH		ASPHALT.			0.0	
	Cuttings	MIXD		Brown, fine to coarse SAND, some Gravel, little Brick (FILL); moist.	G	5	0.0	Collected soil sample ASB-1(0-2) from 0 to 2 feet BLS Collected composite sample A1WC(0-4) from 0 to 4 feet BLS
5	2" PVC Riser Bentonite						0.0	Handcleared to 5 ft bls.
						5	0.0	Collect composite sample A1WC(4-8) from 0 to 4 feet BLS
		MIXD		Grey. fine to coarse SAND, little Gravel, Brick (FILL); moist.				Collected soil sample ASB-1(8-10) from 8 to 10 feet BLS
10	GROUND WATER LEVEL 10/8/2025						0.0	
	Pre-Pack Screen	MIXD		Grey. fine to coarse SAND, little Gravel, Brick (FILL); wet.		5	0.0	Collect composite sample A1WC(8-12) from 8 to 12 feet BLS Collect soil sample A1WC(12-15) from 12-15 feet BLS
15							0.0	Collected soil sample ASB-1(15-17) from 15 to 17 feet BLS
	Bottom Plug	SW-SC		Dark brown, fine to coarse SAND, some Gravel; wet.		5	0.0	
		CL-ML		Dark grey, CLAY, some Silt, Peat; wet.				
20				Bottom of borehole at 20 feet				

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ROUX STANDARD LOG_ - 11/25/25 17:54 - S:\GINT\PROJECTS\3868.0004Y0002.GPJ

A1WC-2/ASB-4/ASV-1

Client: Gilbane Development Co.	Site: 1931 Lafayette Ave	Project Number: 3868.0004Y002
Address: 1931 Lafayette Ave	City/State: Bronx, NY	Logged By: PP

Start to Finish Date: 10/8/2025 - 10/8/2025	Contractor: Trinity Environmental	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 18 feet	Backfill: Soil Cuttings	Borehole Diameter: 2-inches	DTW: 10 feet
Area: NM	Elevation: NM	Latitude: NM	Longitude: NM

Depth (ft)	Groundwater & Product Levels	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
		ASPH		ASPHALT.			0.0	
		MIXD		Brown, fine to coarse SAND, some fine to coarse Gravel, little Brick (FILL); moist.	G	5	0.0	Collected soil sample ASB-4(0-2) from 0 to 2 feet BLS Collect composite sample A1WC(0-4) from 0 to 4 feet BLS Handcleared to 5 ft bls.
		MIXD		Dark grey, fine to coarse SAND, some Brick, little fine to coarse Gravel (FILL); moist.				
5		MIXD		Grey, fine to coarse SAND, little fine to coarse Gravel, Brick (FILL); moist.		5	0.0	Collect composite soil sample A1WC(4-8) from 4 to 8 feet BLS Vapor point installed at 7.5-8ft
							20.2	Collected soil sample ASB-4(7-9) from 7 to 9 feet
10	▽ GROUND WATER LEVEL 10/8/2025	SWG		Dark grey, fine to coarse SAND, some fine to coarse Gravel; wet.			0.0	Collect soil sample A1WC-2(8-10)
		SWG		Reddish brown, fine to coarse SAND, some fine to coarse Gravel; wet.		5	0.0	Collect composite soil sample A1WC(8-12) from 8 to 12 feet Collect soil sample A1WC(12-15) from 12 to 15 feet
15		CLS		Dark grey, CLAY, some Silt, Peat; wet.		3	0.0	Collected soil sample ASB-4(15-17) from 15 to 17 feet
							0.0	

Bottom of borehole at 18 feet

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A1WC-3/ASB-5

Client: Gilbane Development Co.	Site: 1931 Lafayette Ave	Project Number: 3868.0004Y002
Address: 1931 Lafayette Ave	City/State: Bronx, NY	Logged By: PP

Start to Finish Date: 10/8/2025 - 10/8/2025	Contractor: Trinity Environmental	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 20 feet	Backfill: Soil Cuttings	Borehole Diameter: 2-inches	DTW: 10 feet
Area: NM	Elevation: NM	Latitude: NM	Longitude: NM

Depth (ft)	Groundwater & Product Levels	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
0		ASPH		ASPHALT.			0.0	
		MIXD		Brown, fine to coarse SAND, some fine to coarse Gravel, brick, little ceramic (FILL); moist.	G	5	0.0	Collected soil sample ASB-5(0-2) from 0 to 2 feet BLS Collected composite soil sample A1WC(0-4) 0 to 4 feet BLS Handcleared to 5 ft bls.
5		MIXD		Grey, fine to coarse SAND, little fine to coarse Gravel and Brick, trace glass, wood (FILL); moist.		5	0.0	Collected composite soil sample A1WC(4-8) from 4 to 8 feet BLS Collected soil sample ASB-5(8-10) from 8 to 10 feet BLS
10	▽ GROUND WATER LEVEL 10/8/2025	MIXD		Grey, fine to coarse SAND, little fine to coarse Gravel and Brick, trace glass, wood (FILL); wet.		5	0.0	Collected composite soil sample A1WC(8-12) from 8 to 12 feet BLS Collected soil sample A1WC(12-15) from 12 to 15 feet BLS
15		SWG		Dark brown, fine to coarse SAND, some Peat, fine to coarse Gravel; wet		5	0.0	Collected soil sample ASB-5(15-17) from 15 to 17 feet BLS
		CL-ML		Dark grey, CLAY, some Silt; wet.				
20				Bottom of borehole at 20 feet				

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ROUX STANDARD LOG_ - 11/25/25 17:54 - S:\GINT\PROJECTS\3868.0004Y0002.GPJ

A1WC-4/ASB-3/AMW-3

Client: Gilbane Development Co.	Site: 1931 Lafayette Ave	Project Number: 3868.0004Y002
Address: 1931 Lafayette Ave	City/State: Bronx, NY	Logged By: PP

Start to Finish Date: 10/8/2025 - 10/8/2025	Contractor: Trinity Environmental	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 20 feet	Backfill: Soil Cuttings	Borehole Diameter: 2-inches	DTW: 12 feet
Area: NM	Elevation: NM	Latitude: NM	Longitude: NM

Well Depth: 19 feet	Well Dia./Materials: 2-inch PVC	Screen Interval: 8-18 feet	Screen Slot Size: 20-Slot	Sand/Filter Pack Size: Morie #2	Annular Seal:

Depth (ft)	Well Diagram	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
		ASPH		ASPHALT.			0.0	
	Cuttings	MIXD		Brown, fine to coarse SAND, some fine to coarse Gravel, little Brick (FILL); moist.	G	5	0.0	Collected soil sample ASB-3(0-2) from 0 to 2 feet BLS Collected composite soil sample A1WC(0-4) form 0 to 4 feet BLS Collected soil sample A1WC-4(2-4) from 2 to 4 feet BLS Handcleared to 5 ft bls.
	2" PVC Riser	MIXD		Dark grey, fine to coarse SAND, some Brick, little fine to coarse Gravel (FILL); moist.			0.0	
5	Bentonite			Dark grey, fine to coarse SAND, some fine to coarse Gravel, little Brick (FILL); moist.			0.0	
		MIXD				5	0.0	Collected composite soil sample A1WC(4-8) from 4 to 8 feet BLS Collected soil sample A1WC-4(6-8) from 6 to 8 feet BLS
10				Reddish brown, fine to coarse SAND, some fine to coarse Gravel; wet.			0.0	Collected sample A1WC-4(8-10) from 8 to 10 feet BLS Collected soil sample ASB-3(9-11) form 9 to 11 feet BLS Collected composite soil sample A1WC(8-12) from 8 to 12 feet BLS
	GROUND WATER LEVEL 10/8/2025	SWG				5	0.0	
	Pre-Pack Screen							Collected soil sample A1WC(12-15) from 12 to 15 feet feet BLS Collected sample A1WC-4(13-15) from 13 to 15 feet BLS
15				Dark grey, CLAY, some Silt, Peat; wet.			0.0	
	Bottom Plug	CL-ML				5	0.0	Collected soil sample ASB-3(15-17) from 15 to 17 feet BLS

Bottom of borehole at 20 feet

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ROUX STANDARD LOG_ - 11/25/25 17:54 - S:\GINT\PROJECTS\3868.0004Y0002.GPJ

A2WC-1/ASB-8/ASV-4

Client: Gilbane Development Co.	Site: 1931 Lafayette Ave	Project Number: 3868.0004Y002
Address: 1931 Lafayette Ave	City/State: Bronx, NY	Logged By: PP

Start to Finish Date: 10/9/2025 - 10/10/2025	Contractor: Trinity Environmental	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 20 feet	Backfill: Soil Cuttings	Borehole Diameter: 2-inches	DTW: 10 feet
Area: NM	Elevation: NM	Latitude: NM	Longitude: NM

Depth (ft)	Groundwater & Product Levels	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
		ASPH		ASPHALT.			0.0	
				Brown, fine to coarse SAND, some fine to coarse Gravel, Brick (FILL); moist.				Collected soil sample ASB-8(0-2) from 0 to 2 feet BLS
		MIXD		Brown, fine SAND, some fine to coarse Gravel, little Cobble, Brick, trace asphalt (FILL); moist.	G	5	0.0	
		MIXD						Handcleared to 5 ft bls.
5				Brown, fine to coarse SAND, some fine to coarse Gravel, Brick (FILL); moist.			0.0	Collected composite soil sample A2WC(4-8) from 4 to 8 feet BLS
		MIXD				5	0.0	Soil vapor point ASV-4 installed at 8 ft bls.
								Collected soil samples ASB-8(8-10) and ASB-8(8-10)_P from 8 to 10 feet BLS
10	▽ GROUND WATER LEVEL 10/10/2025	MIXD		Brown, fine to coarse SAND, some fine to coarse Gravel, Brick (FILL); wet.			0.0	
				Dark grey, coarse SAND, some fine to coarse Gravel; wet.		5	0.0	Collected composite soil sample A2WC(8-12) from 8 to 12 feet BLS
		SPG						Collected soil sample A2WC(12-15) from 12 to 15 feet BLS
15							0.0	
				Dark Grey, CLAY, little Silt, Organics; wet.		5	0.0	Collected soil sample ASB-8(15-17) from 15 to 17 feet BLS
		CL-ML						

Bottom of borehole at 20 feet

DRAFT

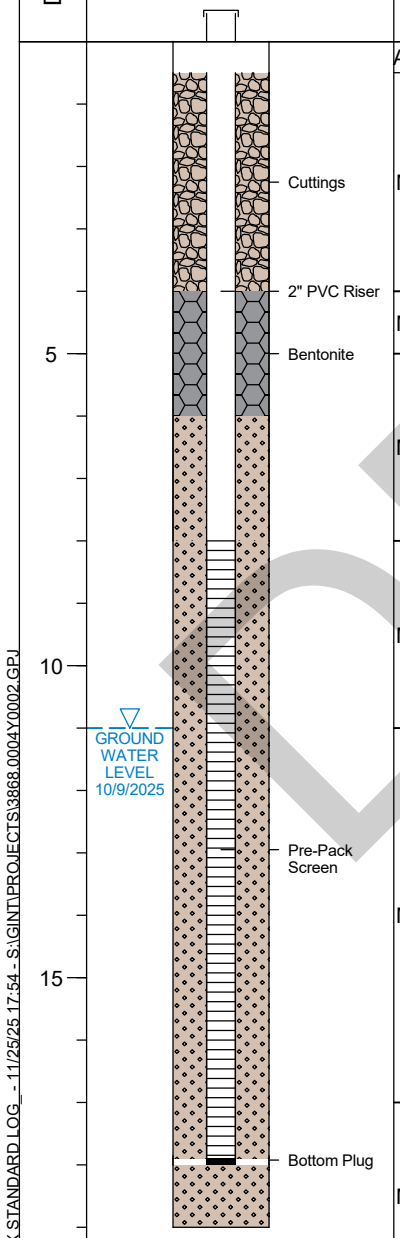
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A2WC-2/ASB-2/AMW-2

Client:	Site:	Project Number:
Gilbane Development Co.	1931 Lafayette Ave	3868.0004Y002
Address:	**City/State:**	**Logged By:**
1931 Lafayette Ave	Bronx, NY	PP

Start to Finish Date:	Contractor:	Drill Type:	Sampler Type/Method:
10/9/2025 - 10/10/2025	Trinity Environmental	Geoprobe	2" Macro-Core
Borehole Depth:	**Backfill:**	**Borehole Diameter:**	**DTW:**
20 feet	Soil Cuttings	2-inches	11 feet
Area:	**Elevation:**	**Latitude:**	**Longitude:**
NM	NM	NM	NM

Well Depth:	Well Dia./Materials:	Screen Interval:	Screen Slot Size:	Sand/Filter Pack Size:	Annular Seal:
19 feet	2-inch PVC	8-18 feet	20-Slot	Morie #2	



Depth (ft)	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
0	ASPH		ASPHALT.			0.0	
	MIXD		Light brown, fine to coarse SAND, some fine to coarse Gravel, trace brick (FILL); moist.	G	5	0.0	Collected soil sample ASB-2(0-2) 0 to 2 feet BLS Handcleared to 5 ft bls.
	MIXD		Brown, fine to coarse SAND, some fine to coarse Grave, Brick (FILL); moist.				
5	MIXD		Light brown, fine to coarse SAND, some Gravel (FILL); moist.			0.0	Collected composite soil sample A2WC(4-8) from 4 to 8 feet BLS
	MIXD		Brown, fine to coarse SAND, some fine to coarse Gravel (FILL); moist.		5	0.0	Collected soil sample ASB-2(8-10) and ASB-2(8-10)_P from 8 to 10 feet BLS
10	MIXD		Dark grey, coarse SAND, some fine to coarse Gravel; wet.			0.0	
					5	0.0	Collected composite soil sample A2WC(8-12) from 8 to 12 feet BLS
15	MIXD		Dark grey, CLAY, little Silt, Peat; wet.			0.0	Collected soil sample A2WC(12-15) from 12 to 15 feet BLS
	MIXD				5	0.0	Collected soil sample ASB-2(15-17) from 15 to 17 feet BLS

Bottom of borehole at 20 feet

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ROUX STANDARD LOG - 11/25/25 17:54 - S:\GINT\PROJECTS\3868.0004Y0002.GPJ

A2WC-3/ASB-6/ASV-2

Client: Gilbane Development Co.	Site: 1931 Lafayette Ave	Project Number: 3868.0004Y002
Address: 1931 Lafayette Ave	City/State: Bronx, NY	Logged By: PP

Start to Finish Date: 10/9/2025 - 10/10/2025	Contractor: Trinity Environmental	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 20 feet	Backfill: Soil Cuttings	Borehole Diameter: 2-inches	DTW: 11 feet
Area: NM	Elevation: NM	Latitude: NM	Longitude: NM

Depth (ft)	Groundwater & Product Levels	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
		ASPH		ASPHALT			0.0	
		MIXD		Light brown, fine to coarse SAND, some fine to coarse Gravel, little Brick (FILL); moist.	G	5	0.0	Collected soil sample ASB-6(0-2) from 0 to 2 feet BLS Handcleared to 5 ft bls.
		BLDRCBBL		BOULDER				
5		MIXD		Brown, fine to coarse SAND, some fine to coarse Gravel, little Brick (FILL); moist.		5	0.0	Collected composite soil sample A2WC(4-8) from 4 to 8 feet
		MIXD		Brown, fine to coarse SAND, some fine to coarse Gravel, little Brick (FILL); moist.			0.0	Vapor point installed at ASV-2 to 8 feet Collected soil samples ASB-6(8-10) and ASB-6(8-10)_P from 8 to 10 feet
10	▽ GROUND WATER LEVEL 10/9/2025						0.0	
		SPG		Dark grey, coarse SAND, some fine to coarse Gravel; wet.		5	0.0	Collected composite soil sample A2WC(8-12) from 8 to 12 feet feet BLS
15		SPG					0.0	Collected soil sample A2WC(12-15) from 12 to 15 feet BLS
		CL-ML		Dark Grey, CLAY, little Silt, Peat, Organics; wet.		5	0.0	Collected soil sample ASB-6(15-17) from 15 to 17 feet BLS

Bottom of borehole at 20 feet

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ROUX STANDARD LOG_ - 11/25/25 17:54 - S:\GINT\PROJECTS\3868.0004Y0002.GPJ

A2WC-4/ASB-7/ASV-3

Client: Gilbane Development Co.	Site: 1931 Lafayette Ave	Project Number: 3868.0004Y002
Address: 1931 Lafayette Ave	City/State: Bronx, NY	Logged By: PP

Start to Finish Date: 10/9/2025 - 10/10/2025	Contractor: Trinity Environmental	Drill Type: Geoprobe	Sampler Type/Method: 2" Macro-Core
Borehole Depth: 20 feet	Backfill: Soil Cuttings	Borehole Diameter: 2-inches	DTW: 11 feet
Area: NM	Elevation: NM	Latitude: NM	Longitude: NM

Depth (ft)	Groundwater & Product Levels	USCS	USCS Graphic	Visual Description	Sample Interval	Recovery (ft)	PID	Notes
		ASPH		ASPHALT.			0.0	
		MIXD		Light brown, fine to coarse SAND, some fine to coarse Gravel, little Brick (FILL); moist.	G	5	0.0	Collected soil sample ASB-7(0-2) from 0 to 2 feet BLS Handcleared to 5 ft bls.
				Grey, fine to coarse SAND, some fine to coarse Gravel, Silt, little Brick, Wood (FILL); moist.				Collected composoite soil sample A2WC(0-4) from 0 to 4 feet BLS
		MIXD BLDRCBBL		BOULDER				
5				Brown, fine to coarse SAND, some fine to coarse Gravel, little Brick (FILL); moist.			0.0	Collected soil sample A2WC-4(2-4) from 2 to 4 feet BLS
		MIXD				5	0.0	Collected soil sample A2WC-4(6-8) from 6 to 8 feet BLS Collected composite soil sample A2WC(4-8) from 4 to 8 feet BLS Vapor point installed at ASV-3
		MIXD		Brown, fine to coarse SAND, some fine to coarse Gravel, little Brick (FILL); moist.				
10		MIXD		Brown, fine to coarse SAND, some fine to coarse Gravel, little Brick (FILL); moist.			0.0	Collected soil samples ASB-7(8-10) and ASB-7(8-10)_P from 8 to 10 feet BLS Collected soil sample A2WC-4(10-12) from 10 to 12 feet BLS
	▽ GROUND WATER LEVEL 10/10/2025			Dark grey, coarse SAND, some fine to coarse Gravel; wet.		5	0.0	Collected composite soil sample A2WC(8-12) from 8 to 12 feet BLS Collected soil sample A2WC-4(13-15) from 13 to 15 feet BLS
		SPG						Collected soil sample A2WC(12-15) from 12 to 15 feet BLS
15							0.0	
						5	0.0	Collected soil sample ASB-7(15-17) from 15 to 17 feet BLS
		CL-ML		Dark grey, CLAY, little Silt, Peat; wet.				
				Bottom of borehole at 20 feet				

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APPENDIX I

Analytical Data Laboratory Reports

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APPENDIX J

Data Usability Summary Reports

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