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

DATA PACKAGE

GENERAL CHEMISTRY
METALS
SEMI-VOLATILE ORGANICS
VOLATILE ORGANICS

PROJECT NAME : FORMER SCHLUMBERGER STC PTC SITE D3868221

JACOBS ENGINEERING GROUP, INC.

412 Mt. Kemble Ave

Downtown Building

Morristown, NJ - 07960

Phone No: 9732670555

ORDER ID : Q2842

ATTENTION : John Ynfante

Laboratory Certification ID # 20012

Table Of Contents for Q2842

DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name : Alliance Technical Group LLC
Client : JACOBS Engineering Group, Inc.
Project Location : Princeton Junction
Project Number : D3868221
Laboratory Sample ID(s) : Q2842
Sampling Date(s) : 8/12/2025
List DKQP Methods Used (e.g., 8260,8270, et Cetra) **,6020B,7470A,8260D,8270-Modified,9056A,SM2320 B,SM2540 C,SOP**

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	☑ Yes ☐ No
1A	Were the method specified handling, preservation, and holding time requirements met?	☑ Yes ☐ No
1B	EPH Method: Was the EPH method conducted without significant modifications (see Section 11.3 of respective DKQ methods)	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (4±2° C)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	☐ Yes ☑ No
5	a)Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt? b)Were these reporting limits met?	☑ Yes ☐ No ☑ Yes ☐ No ☐ N/A
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?	☑ Yes ☐ No
7	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	☑ Yes ☐ No

Notes: For all questions to which the response was “No” (with the exception of question #7), additional information should be provided in an attached narrative. If the answer to question #1, #1A, or #1B is “No”, the data package does not meet the requirements for “Data of Known Quality.”

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Cover Page

Order ID : Q2842

Project ID : Former Schlumberger STC PTC Site D3868221

Client : JACOBS Engineering Group, Inc.

Lab Sample Number	Client Sample Number
Q2842-01	RMW-03B-90.4-081225
Q2842-02	RMW-02B-66.3-081225
Q2842-03	MW-17B-55.5-081225
Q2842-04	MW-17B-55.5-081225MS
Q2842-05	MW-17B-55.5-081225MSD
Q2842-06	MW-06-6.5-081225
Q2842-08	TB01-081225
Q2842-09	MW-17B-55.5-081225
Q2842-10	MW-17B-55.5-081225MS
Q2842-11	MW-17B-55.5-081225MSD

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

Signature : APPROVED
Sohil Jodhani, QA/QC Director , 8/26/2025, 10:08:39 AM

Date: 8/26/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

JACOBS Engineering Group, Inc.
Project Name: Former Schlumberger STC PTC Site D3868221
Project # N/A
Order ID # Q2842
Test Name: VOCMS Group3

A. Number of Samples and Date of Receipt:
6 Water samples were received on 08/12/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOCMS Group3. This data package contains results for VOCMS Group3.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_N were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis of VOCMS Group3 was based on method 8260D.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries were met for all analysis.
The Internal Standards Areas were met for all analysis.
The Retention Times were met for all analysis.
The MS recoveries met the requirements for all compounds.
The MSD recoveries met the requirements for all compounds.
The RPD were met for all analysis.
The Blank Spike met requirements for all compounds.

The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.
The Continuous Calibration met the requirements.
The Tuning criteria met requirements.

Samples RMW-03B-90.4-081225, RMW-02B-66.3-081225 and MW-17B-55.5-081225, All these samples were run at straight dilution after checking past history of these samples containing high amounts of compounds cis-1,2-Dichloroethene and Trichloroethene.

E. Additional Comments:
The SIM analysis is not required for the sample MW-17B-55.5-081225-SIM as all the SIM target analytes are detected at or above the sample adjusted CRQLs in the full scan analysis, a SIM analysis is not to be performed for that sample."

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Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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

Signature_ APPROVED
Sohil Jodhani, QA/QC Director , 8/26/2025, 10:12:15 AM

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CASE NARRATIVE

JACOBS Engineering Group, Inc.
Project Name: Former Schlumberger STC PTC Site D3868221
Project # N/A
Order ID # Q2842
Test Name: SVOC-SIMGroup1

A. Number of Samples and Date of Receipt:
10 Water samples were received on 08/12/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Alkalinity, Anions Group1, Dissolved ICP-Group2, Dissolved Metals Group3, Mercury, Metals ICP-TAL, METALS-TAL, SVOC-SIMGroup1, TDS, VOC-SIM and VOCMS Group3. This data package contains results for SVOC-SIMGroup1.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_N using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOC-SIMGroup1 was based on method 8270-Modified and extraction was done based on method 3510.

D. QA/ QC Samples:
The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for RMW-02B-66.3-081225DL [Terphenyl-d14 - 138%], MW-17B-55.5-081225 [Terphenyl-d14 - 132%], these compounds did not meet the NJDKQP criteria but met the in-house criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The MS recoveries met the requirements for all compounds .
The MSD recoveries met the acceptable requirements .
The RPD met criteria .
The Blank Spike met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .
The Tuning criteria met requirements.

Samples RMW-03B-90.4-081225, RMW-02B-66.3-081225 were diluted due to high concentrations.

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E. Additional Comments:

The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.
The soil samples results are based on a dry weight basis.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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

Signature_ APPROVED
Sohil Jodhani, QA/QC Director , 8/26/2025, 10:12:22 AM

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CASE NARRATIVE

JACOBS Engineering Group, Inc.
Project Name: Former Schlumberger STC PTC Site D3868221
Project # N/A
Order ID # Q2842
Test Name: Dissolved ICP-Group2,Mercury,Metals ICP-TAL

A. Number of Samples and Date of Receipt:
10 Water samples were received on 08/12/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Alkalinity, Anions Group1, Dissolved ICP-Group2, Dissolved Metals Group3, Mercury, Metals ICP-TAL, METALS-TAL, SVOC-SIMGroup1, TDS, VOC-SIM and VOCMS Group3. This data package contains results for Dissolved ICP-Group2,Mercury,Metals ICP-TAL.

C. Analytical Techniques:
The analysis of Dissolved ICP-Group2,Metals ICP-TAL was based on method 6020B, digestion based on method 3010 (waters). The analysis and digestion of Mercury was based on method 7470A.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Blank Spike met requirements for all compounds.
The Duplicate analysis met criteria for all compounds.
The Matrix Spike (MW-17B-55.5-08122025MS) analysis met criteria for all compounds except for Silver due to Chemical Interference during Digestion Process.
The Matrix Spike Duplicate (MW-17B-55.5-08122025MSD) analysis met criteria for all compounds except for Silver due to Chemical Interference during Digestion Process.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.
The Serial Dilution met the acceptable requirements.

E. Additional Comments:
The Post Digest Spike (MW-17B-55.5-08122025A) analysis met criteria for all compounds except for Silver due to unknown chemical interference of matrix with the addition of spike amount after digestion and before analysis; matrix has suppression effect during addition of spike.
Collision cell is being used to remove potential interferences. The analytes Na, Mg, Al, K, V, Cr, Mn, Fe, Co, Ni, Cu, Zn, As are being analyzed with collision cell and analytes Be, B, Ca, Ti, Se, Sr, Zr, Mo, Ag, Cd, Sn, Sb, Ba, Tl, Pb, U are being analyzed with Non-Collision Cell. Helium gas is used for the Collision Cell analysis.
sample Q2842-03 analyzed as Total Metal and Sample Q2842-09 analyzed as Dissolved Metal.

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

Signature__ APPROVED
Sohil Jodhani, QA/QC Director , 8/26/2025, 10:12:27 AM

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CASE NARRATIVE

JACOBS Engineering Group, Inc.
Project Name: Former Schlumberger STC PTC Site D3868221
Project # N/A
Order ID # Q2842
Test Name: Alkalinity,Anions Group1,TDS

A. Number of Samples and Date of Receipt:
04 Water samples were received on 08/12/2025.

B. Parameters:
According to the Chain of Custody document, the following analyses were requested: Alkalinity,Anions Group1,TDS. This data package contains results for Alkalinity,Anions Group1,TDS.

C. Analytical Techniques:
The analysis of Anions Group1 was based on method 9056A, The analysis of Alkalinity was based on method SM2320 B and The analysis of TDS was based on method SM2540 C.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
Sample RMW-03B-90.4-081225 was diluted due to high concentrations for Chloride & Sample MW-17B-55.5-081225 was diluted due to high concentrations for Chloride and Sulfate.
The Blank Spike met requirements for all compounds.
The Duplicate analysis met criteria for all compounds.
The Matrix Spike analysis met criteria for all compounds.
The Matrix Spike Duplicate analysis met criteria for all compounds.
The Blank analysis did not indicate the presence of lab contamination.
The Calibration met the requirements.

E. Additional Comments:

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

Signature___ APPROVED
Sohil Jodhani, QA/QC Director , 8/26/2025, 10:12:32 AM

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DATA REPORTING QUALIFIERS- INORGANIC

For reporting results, the following " Results Qualifiers" are used:

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

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DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2842

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: SOHIL JODHANI **Date:** 08/26/2025

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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q2842

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**RMW-03B-90.4-081225**							
Q2842-01	RMW-03B-90.4-08	Water	cis-1,2-Dichloroethene	2800		7.60	40.0	ug/L
Q2842-01	RMW-03B-90.4-08	Water	Trichloroethene	810		3.70	40.0	ug/L
			Total Voc :	3610				
			Total Concentration:	3610				
Client ID:	**RMW-02B-66.3-081225**							
Q2842-02	RMW-02B-66.3-08	Water	Vinyl Chloride	240		10.4	40.0	ug/L
Q2842-02	RMW-02B-66.3-08	Water	1,1-Dichloroethene	130		9.20	40.0	ug/L
Q2842-02	RMW-02B-66.3-08	Water	cis-1,2-Dichloroethene	1600		7.60	40.0	ug/L
Q2842-02	RMW-02B-66.3-08	Water	Trichloroethene	1500		3.70	40.0	ug/L
Q2842-02	RMW-02B-66.3-08	Water	Tetrachloroethene	24.7	J	9.20	40.0	ug/L
			Total Voc :	3490				
			Total Concentration:	3490				
Client ID:	**MW-17B-55.5-081225**							
Q2842-03	MW-17B-55.5-0812	Water	cis-1,2-Dichloroethene	3000		19.0	100	ug/L
Q2842-03	MW-17B-55.5-0812	Water	Trichloroethene	3600		9.30	100	ug/L
Q2842-03	MW-17B-55.5-0812	Water	Tetrachloroethene	56.3	J	23.0	100	ug/L
			Total Voc :	6660				
			Total Concentration:	6660				

SAMPLE DATA

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/12/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/12/25
Client Sample ID:	RMW-03B-90.4-081225	SDG No.:	Q2842
Lab Sample ID:	Q2842-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087566.D	40	08/14/25 15:20	VN081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	10.4	U	10.4	40.0	ug/L
75-35-4	1,1-Dichloroethene	9.20	U	9.20	40.0	ug/L
75-34-3	1,1-Dichloroethane	9.20	U	9.20	40.0	ug/L
156-59-2	cis-1,2-Dichloroethene	2800		7.60	40.0	ug/L
71-55-6	1,1,1-Trichloroethane	8.00	U	8.00	40.0	ug/L
71-43-2	Benzene	6.00	U	6.00	40.0	ug/L
107-06-2	1,2-Dichloroethane	8.80	U	8.80	40.0	ug/L
79-01-6	Trichloroethene	810		3.70	40.0	ug/L
79-00-5	1,1,2-Trichloroethane	8.40	U	8.40	40.0	ug/L
127-18-4	Tetrachloroethene	9.20	U	9.20	40.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.7		70 (74) - 130 (125)	107%	SPK: 50
1868-53-7	Dibromofluoromethane	45.5		70 (75) - 130 (124)	91%	SPK: 50
2037-26-5	Toluene-d8	45.7		70 (86) - 130 (113)	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.9		70 (77) - 130 (121)	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	226000	8.206			
540-36-3	1,4-Difluorobenzene	494000	9.088			
3114-55-4	Chlorobenzene-d5	459000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	214000	13.77			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/12/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/12/25
Client Sample ID:	RMW-02B-66.3-081225	SDG No.:	Q2842
Lab Sample ID:	Q2842-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087567.D	40	08/14/25 15:42	VN081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	240		10.4	40.0	ug/L
75-35-4	1,1-Dichloroethene	130		9.20	40.0	ug/L
75-34-3	1,1-Dichloroethane	9.20	U	9.20	40.0	ug/L
156-59-2	cis-1,2-Dichloroethene	1600		7.60	40.0	ug/L
71-55-6	1,1,1-Trichloroethane	8.00	U	8.00	40.0	ug/L
71-43-2	Benzene	6.00	U	6.00	40.0	ug/L
107-06-2	1,2-Dichloroethane	8.80	U	8.80	40.0	ug/L
79-01-6	Trichloroethene	1500		3.70	40.0	ug/L
79-00-5	1,1,2-Trichloroethane	8.40	U	8.40	40.0	ug/L
127-18-4	Tetrachloroethene	24.7	J	9.20	40.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.0		70 (74) - 130 (125)	114%	SPK: 50
1868-53-7	Dibromofluoromethane	45.1		70 (75) - 130 (124)	90%	SPK: 50
2037-26-5	Toluene-d8	46.0		70 (86) - 130 (113)	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.0		70 (77) - 130 (121)	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	219000	8.212			
540-36-3	1,4-Difluorobenzene	487000	9.088			
3114-55-4	Chlorobenzene-d5	439000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	211000	13.77			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/12/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/12/25
Client Sample ID:	MW-17B-55.5-081225	SDG No.:	Q2842
Lab Sample ID:	Q2842-03	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087568.D	100	08/14/25 16:04	VN081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	26.0	U	26.0	100	ug/L
75-35-4	1,1-Dichloroethene	23.0	U	23.0	100	ug/L
75-34-3	1,1-Dichloroethane	23.0	U	23.0	100	ug/L
156-59-2	cis-1,2-Dichloroethene	3000		19.0	100	ug/L
71-55-6	1,1,1-Trichloroethane	20.0	U	20.0	100	ug/L
71-43-2	Benzene	15.0	U	15.0	100	ug/L
107-06-2	1,2-Dichloroethane	22.0	U	22.0	100	ug/L
79-01-6	Trichloroethene	3600		9.30	100	ug/L
79-00-5	1,1,2-Trichloroethane	21.0	U	21.0	100	ug/L
127-18-4	Tetrachloroethene	56.3	J	23.0	100	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.6		70 (74) - 130 (125)	113%	SPK: 50
1868-53-7	Dibromofluoromethane	45.1		70 (75) - 130 (124)	90%	SPK: 50
2037-26-5	Toluene-d8	46.5		70 (86) - 130 (113)	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.5		70 (77) - 130 (121)	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	220000	8.212			
540-36-3	1,4-Difluorobenzene	488000	9.088			
3114-55-4	Chlorobenzene-d5	455000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	209000	13.77			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/12/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/12/25
Client Sample ID:	TB01-081225	SDG No.:	Q2842
Lab Sample ID:	Q2842-08	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087565.D	1	08/14/25 14:58	VN081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.1		70 (74) - 130 (125)	110%	SPK: 50
1868-53-7	Dibromofluoromethane	44.9		70 (75) - 130 (124)	90%	SPK: 50
2037-26-5	Toluene-d8	45.6		70 (86) - 130 (113)	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.2		70 (77) - 130 (121)	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	224000	8.212			
540-36-3	1,4-Difluorobenzene	499000	9.088			
3114-55-4	Chlorobenzene-d5	459000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	215000	13.77			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

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

SDG No.: Q2842

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2842-01	RMW-03B-90.4-081225	1,2-Dichloroethane-d4	50	53.7	107		70 (74)	130 (125)
		Dibromofluoromethane	50	45.5	91		70 (75)	130 (124)
		Toluene-d8	50	45.7	91		70 (86)	130 (113)
		4-Bromofluorobenzene	50	43.9	88		70 (77)	130 (121)
Q2842-02	RMW-02B-66.3-081225	1,2-Dichloroethane-d4	50	57.0	114		70 (74)	130 (125)
		Dibromofluoromethane	50	45.1	90		70 (75)	130 (124)
		Toluene-d8	50	46.0	92		70 (86)	130 (113)
		4-Bromofluorobenzene	50	45.0	90		70 (77)	130 (121)
Q2842-03	MW-17B-55.5-081225	1,2-Dichloroethane-d4	50	56.6	113		70 (74)	130 (125)
		Dibromofluoromethane	50	45.1	90		70 (75)	130 (124)
		Toluene-d8	50	46.5	93		70 (86)	130 (113)
		4-Bromofluorobenzene	50	45.5	91		70 (77)	130 (121)
Q2842-04MS	MW-17B-55.5-081225MS	1,2-Dichloroethane-d4	50	53.8	108		70 (74)	130 (125)
		Dibromofluoromethane	50	47.9	96		70 (75)	130 (124)
		Toluene-d8	50	47.9	96		70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.7	103		70 (77)	130 (121)
Q2842-05MSD	MW-17B-55.5-081225MSD	1,2-Dichloroethane-d4	50	54.6	109		70 (74)	130 (125)
		Dibromofluoromethane	50	46.7	93		70 (75)	130 (124)
		Toluene-d8	50	48.2	96		70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.5	101		70 (77)	130 (121)
Q2842-08	TB01-081225	1,2-Dichloroethane-d4	50	55.1	110		70 (74)	130 (125)
		Dibromofluoromethane	50	44.9	90		70 (75)	130 (124)
		Toluene-d8	50	45.6	91		70 (86)	130 (113)
		4-Bromofluorobenzene	50	44.2	88		70 (77)	130 (121)
VN0814WBL01	VN0814WBL01	1,2-Dichloroethane-d4	50	52.9	106		70 (74)	130 (125)
		Dibromofluoromethane	50	44.2	88		70 (75)	130 (124)
		Toluene-d8	50	44.2	88		70 (86)	130 (113)
		4-Bromofluorobenzene	50	43.7	87		70 (77)	130 (121)
VN0814WBS01	VN0814WBS01	1,2-Dichloroethane-d4	50	57.6	115		70 (74)	130 (125)
		Dibromofluoromethane	50	50.7	101		70 (75)	130 (124)
		Toluene-d8	50	50.7	101		70 (86)	130 (113)
		4-Bromofluorobenzene	50	52.9	106		70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2842 **Analytical Method:** SW8260-Low

Client: JACOBS Engineering Group, In **Datafile :** VN087569.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : Q2842-04MS		**Client Sample ID : MW-17B-55.5-081225MS**									
Vinyl chloride	5000	0	5400	ug/L	108				70 (69)	130 (125)	
1,1-Dichloroethene	5000	0	5200	ug/L	104				70 (53)	130 (162)	
1,1-Dichloroethane	5000	0	5300	ug/L	106				70 (78)	130 (122)	
cis-1,2-Dichloroethene	5000	3000	8100	ug/L	102				70 (82)	130 (124)	
1,1,1-Trichloroethane	5000	0	5400	ug/L	108				70 (83)	130 (117)	
Benzene	5000	0	5100	ug/L	102				70 (81)	130 (128)	
1,2-Dichloroethane	5000	0	5500	ug/L	110				70 (76)	130 (120)	
Trichloroethene	5000	3600	10000	ug/L	128				70 (28)	130 (175)	
1,1,2-Trichloroethane	5000	0	5300	ug/L	106				70 (27)	130 (175)	
Tetrachloroethene	5000	56.3	4300	ug/L	85				70 (48)	130 (153)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2842 **Analytical Method:** SW8260-Low

Client: JACOBS Engineering Group, In **Datafile :** VN087570.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : Q2842-05MSD		**Client Sample ID : MW-17B-55.5-081225MSD**									
Vinyl chloride	5000	0	5400	ug/L	108		0		70 (69)	130 (125)	20 (20)
1,1-Dichloroethene	5000	0	5300	ug/L	106		2		70 (53)	130 (162)	20 (20)
1,1-Dichloroethane	5000	0	5400	ug/L	108		2		70 (78)	130 (122)	20 (20)
cis-1,2-Dichloroethene	5000	3000	8000	ug/L	100		2		70 (82)	130 (124)	20 (20)
1,1,1-Trichloroethane	5000	0	5500	ug/L	110		2		70 (83)	130 (117)	20 (20)
Benzene	5000	0	5100	ug/L	102		0		70 (81)	130 (128)	20 (20)
1,2-Dichloroethane	5000	0	5300	ug/L	106		4		70 (76)	130 (120)	20 (20)
Trichloroethene	5000	3600	9500	ug/L	118		8		70 (28)	130 (175)	20 (20)
1,1,2-Trichloroethane	5000	0	5300	ug/L	106		0		70 (27)	130 (175)	20 (20)
Tetrachloroethene	5000	56.3	4300	ug/L	85		0		70 (48)	130 (153)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2842 **Analytical Method:** SW8260-Low

Client: JACOBS Engineering Group, Inc. **Datafile :** VN087555.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0814WBS01	Vinyl chloride	20	21.4	ug/L	107			70 (65)	130 (117)	
	1,1-Dichloroethene	20	20.6	ug/L	103			70 (74)	130 (110)	
	1,1-Dichloroethane	20	21.6	ug/L	108			70 (78)	130 (112)	
	cis-1,2-Dichloroethene	20	21.2	ug/L	106			70 (77)	130 (110)	
	1,1,1-Trichloroethane	20	21.4	ug/L	107			70 (80)	130 (108)	
	Benzene	20	20.3	ug/L	102			70 (82)	130 (109)	
	1,2-Dichloroethane	20	21.5	ug/L	108			70 (80)	130 (115)	
	Trichloroethene	20	19.2	ug/L	96			70 (77)	130 (113)	
	1,1,2-Trichloroethane	20	20.7	ug/L	104			70 (83)	130 (112)	
	Tetrachloroethene	20	18.1	ug/L	91			70 (67)	130 (123)	

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

Client ID: VN0814WBL01

Lab Name: Alliance | Contract: JACO05

Lab Code: ACE | SDG NO.: Q2842

Lab File ID: VN087554.D | Lab Sample ID: VN0814WBL01

Date Analyzed: 08/14/2025 | Time Analyzed: 10:32

GC Column: RXI-624 ID: 0.25 (mm) | Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0814WBS01	VN0814WBS01	VN087555.D	08/14/2025
TB01-081225	Q2842-08	VN087565.D	08/14/2025
RMW-03B-90.4-081225	Q2842-01	VN087566.D	08/14/2025
RMW-02B-66.3-081225	Q2842-02	VN087567.D	08/14/2025
MW-17B-55.5-081225	Q2842-03	VN087568.D	08/14/2025
MW-17B-55.5-081225MS	Q2842-04MS	VN087569.D	08/14/2025
MW-17B-55.5-081225MSD	Q2842-05MSD	VN087570.D	08/14/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: JACO05

Lab Code: ACE | SDG NO.: Q2842

Lab File ID: VN087327.D | BFB Injection Date: 07/16/2025

Instrument ID: MSVOA_N | BFB Injection Time: 16:10

GC Column: RXI-624 ID: 0.25 (mm) | Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.8
75	30.0 - 60.0% of mass 95	50.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.1
173	Less than 2.0% of mass 174	0.6 (0.8) 1
174	50.0 - 100.0% of mass 95	70.9
175	5.0 - 9.0% of mass 174	3.6 (5.1) 1
176	95.0 - 101.0% of mass 174	68.7 (96.9) 1
177	5.0 - 9.0% of mass 176	4.8 (7) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VN087328.D	07/16/2025	17:05
VSTDICC005	VSTDICC005	VN087329.D	07/16/2025	17:27
VSTDICC020	VSTDICC020	VN087330.D	07/16/2025	17:49
VSTDICCC050	VSTDICCC050	VN087331.D	07/16/2025	18:11
VSTDICC100	VSTDICC100	VN087332.D	07/16/2025	18:32
VSTDICC150	VSTDICC150	VN087333.D	07/16/2025	18:54

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: JACO05
Lab Code: ACE
SDG NO.: Q2842
Lab File ID: VN087551.D
BFB Injection Date: 08/14/2025
Instrument ID: MSVOA_N
BFB Injection Time: 09:01
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.8
75	30.0 - 60.0% of mass 95	57.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	5.6
173	Less than 2.0% of mass 174	0.9 (1.3) 1
174	50.0 - 100.0% of mass 95	65.2
175	5.0 - 9.0% of mass 174	4.4 (6.8) 1
176	95.0 - 101.0% of mass 174	64.4 (98.8) 1
177	5.0 - 9.0% of mass 176	4 (6.2) 2

1-Value is % mass 174

2-Value is % mass 176

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN087552.D	08/14/2025	09:34
VN0814WBL01	VN0814WBL01	VN087554.D	08/14/2025	10:32
VN0814WBS01	VN0814WBS01	VN087555.D	08/14/2025	11:07
TB01-081225	Q2842-08	VN087565.D	08/14/2025	14:58
RMW-03B-90.4-081225	Q2842-01	VN087566.D	08/14/2025	15:20
RMW-02B-66.3-081225	Q2842-02	VN087567.D	08/14/2025	15:42
MW-17B-55.5-081225	Q2842-03	VN087568.D	08/14/2025	16:04
MW-17B-55.5-081225MS	Q2842-04MS	VN087569.D	08/14/2025	16:27
MW-17B-55.5-081225MSD	Q2842-05MSD	VN087570.D	08/14/2025	16:49

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JACO05

Lab Code: ACE SDG NO.: Q2842

Lab File ID: VN087552.D Date Analyzed: 08/14/2025

Instrument ID: MSVOA_N Time Analyzed: 09:34

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	271352	8.21	543098	9.08	500619	11.85
UPPER LIMIT	542704	8.712	1086200	9.582	1001240	12.347
LOWER LIMIT	135676	7.712	271549	8.582	250310	11.347
EPA SAMPLE NO.						
RMW-03B-90.4-081225	225616	8.21	494400	9.09	459245	11.85
RMW-02B-66.3-081225	218605	8.21	486591	9.09	438933	11.85
MW-17B-55.5-081225	219937	8.21	487780	9.09	455235	11.85
MW-17B-55.5-081225MS	238067	8.21	461160	9.08	435202	11.85
MW-17B-55.5-081225MSD	251785	8.21	498703	9.08	460182	11.85
TB01-081225	224412	8.21	498664	9.09	458661	11.85
VN0814WBL01	284398	8.21	560321	9.08	503771	11.85
VN0814WBS01	250453	8.21	485218	9.08	446518	11.85

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JACO05

Lab Code: ACE SDG NO.: Q2842

Lab File ID: VN087552.D Date Analyzed: 08/14/2025

Instrument ID: MSVOA_N Time Analyzed: 09:34

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	255173	13.77				
UPPER LIMIT	510346	14.27				
LOWER LIMIT	127587	13.27				
EPA SAMPLE NO.						
RMW-03B-90.4-081225	213548	13.77				
RMW-02B-66.3-081225	211146	13.77				
MW-17B-55.5-081225	209426	13.77				
MW-17B-55.5-081225MS	231778	13.77				
MW-17B-55.5-081225MSD	240017	13.77				
TB01-081225	214662	13.77				
VN0814WBL01	234765	13.77				
VN0814WBS01	221983	13.77				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	VN0814WBL01	SDG No.:	Q2842
Lab Sample ID:	VN0814WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087554.D	1	08/14/25 10:32	VN081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.9		70 (74) - 130 (125)	106%	SPK: 50
1868-53-7	Dibromofluoromethane	44.2		70 (75) - 130 (124)	88%	SPK: 50
2037-26-5	Toluene-d8	44.2		70 (86) - 130 (113)	88%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.7		70 (77) - 130 (121)	87%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	284000	8.206			
540-36-3	1,4-Difluorobenzene	560000	9.083			
3114-55-4	Chlorobenzene-d5	504000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	235000	13.771			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	VN0814WBS01	SDG No.:	Q2842
Lab Sample ID:	VN0814WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087555.D	1	08/14/25 11:07	VN081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	21.4		0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	20.6		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	21.6		0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	21.2		0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	21.4		0.20	1.00	ug/L
71-43-2	Benzene	20.3		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.5		0.22	1.00	ug/L
79-01-6	Trichloroethene	19.2		0.090	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.7		0.21	1.00	ug/L
127-18-4	Tetrachloroethene	18.1		0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.6		70 (74) - 130 (125)	115%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	50.7		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.9		70 (77) - 130 (121)	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	250000	8.206			
540-36-3	1,4-Difluorobenzene	485000	9.082			
3114-55-4	Chlorobenzene-d5	447000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	222000	13.77			

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() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Fax : 908 789 8922

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/12/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/12/25
Client Sample ID:	MW-17B-55.5-081225MS	SDG No.:	Q2842
Lab Sample ID:	Q2842-04MS	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087569.D	100	08/14/25 16:27	VN081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	5400		26.0	100	ug/L
75-35-4	1,1-Dichloroethene	5200		23.0	100	ug/L
75-34-3	1,1-Dichloroethane	5300		23.0	100	ug/L
156-59-2	cis-1,2-Dichloroethene	8100		19.0	100	ug/L
71-55-6	1,1,1-Trichloroethane	5400		20.0	100	ug/L
71-43-2	Benzene	5100		15.0	100	ug/L
107-06-2	1,2-Dichloroethane	5500		22.0	100	ug/L
79-01-6	Trichloroethene	10000		9.30	100	ug/L
79-00-5	1,1,2-Trichloroethane	5300		21.0	100	ug/L
127-18-4	Tetrachloroethene	4300		23.0	100	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.8		70 (74) - 130 (125)	108%	SPK: 50
1868-53-7	Dibromofluoromethane	47.9		70 (75) - 130 (124)	96%	SPK: 50
2037-26-5	Toluene-d8	47.9		70 (86) - 130 (113)	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.7		70 (77) - 130 (121)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	238000	8.206			
540-36-3	1,4-Difluorobenzene	461000	9.083			
3114-55-4	Chlorobenzene-d5	435000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	232000	13.77			

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Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/12/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/12/25
Client Sample ID:	MW-17B-55.5-081225MSD	SDG No.:	Q2842
Lab Sample ID:	Q2842-05MSD	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087570.D	100	08/14/25 16:49	VN081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	5400		26.0	100	ug/L
75-35-4	1,1-Dichloroethene	5300		23.0	100	ug/L
75-34-3	1,1-Dichloroethane	5400		23.0	100	ug/L
156-59-2	cis-1,2-Dichloroethene	8000		19.0	100	ug/L
71-55-6	1,1,1-Trichloroethane	5500		20.0	100	ug/L
71-43-2	Benzene	5100		15.0	100	ug/L
107-06-2	1,2-Dichloroethane	5300		22.0	100	ug/L
79-01-6	Trichloroethene	9500		9.30	100	ug/L
79-00-5	1,1,2-Trichloroethane	5300		21.0	100	ug/L
127-18-4	Tetrachloroethene	4300		23.0	100	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.6		70 (74) - 130 (125)	109%	SPK: 50
1868-53-7	Dibromofluoromethane	46.7		70 (75) - 130 (124)	93%	SPK: 50
2037-26-5	Toluene-d8	48.2		70 (86) - 130 (113)	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.5		70 (77) - 130 (121)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	252000	8.212			
540-36-3	1,4-Difluorobenzene	499000	9.082			
3114-55-4	Chlorobenzene-d5	460000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	240000	13.77			

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N = Presumptive Evidence of a Compound
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CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: JACO05

Lab Code: ACE SDG No.: Q2842

Instrument ID: MSVOA_N Calibration Date(s): 07/16/2025 07/16/2025

Heated Purge: (Y/N) N Calibration Time(s): 17:05 18:54

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF001 = VN087328.D RRF005 = VN087329.D RRF020 = VN087330.D
RRF050 = VN087331.D RRF100 = VN087332.D RRF150 = VN087333.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Vinyl Chloride	0.554	0.665	0.623	0.728	0.692	0.720	0.664	9.9
1,1-Dichloroethene	0.635	0.641	0.553	0.545	0.514	0.537	0.571	9.4
1,1-Dichloroethane	1.304	1.325	1.254	1.222	1.185	1.212	1.250	4.4
cis-1,2-Dichloroethene	0.704	0.737	0.747	0.767	0.740	0.751	0.741	2.8
1,1,1-Trichloroethane	1.043	1.146	1.096	1.084	1.049	1.085	1.084	3.4
Benzene	1.370	1.430	1.502	1.553	1.483	1.499	1.473	4.3
1,2-Dichloroethane	0.553	0.565	0.569	0.567	0.544	0.552	0.558	1.8
Trichloroethene	0.373	0.330	0.337	0.356	0.339	0.352	0.348	4.5
1,1,2-Trichloroethane	0.367	0.364	0.365	0.367	0.357	0.354	0.362	1.6
Tetrachloroethene	0.329	0.338	0.317	0.320	0.310	0.317	0.322	3.2
1,2-Dichloroethane-d4		0.939	0.820	0.802	0.818	0.863	0.848	6.6
Dibromofluoromethane		0.347	0.341	0.332	0.348	0.356	0.345	2.6
Toluene-d8		1.180	1.176	1.224	1.255	1.316	1.230	4.7
4-Bromofluorobenzene		0.405	0.433	0.455	0.476	0.505	0.455	8.5

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance | Contract: JACO05

Lab Code: ACE | SDG No.: Q2842

Instrument ID: MSVOA_N | Calibration Date/Time: 08/14/2025 09:34

Lab File ID: VN087552.D | Init. Calib. Date(s): 07/16/2025 07/16/2025

Heated Purge: (Y/N) N | Init. Calib. Time(s): 17:05 18:54

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.664	0.678		2.11	20
1,1-Dichloroethene	0.571	0.562		-1.58	20
1,1-Dichloroethane	1.250	1.280	0.1	2.4	20
cis-1,2-Dichloroethene	0.741	0.782		5.53	20
1,1,1-Trichloroethane	1.084	1.139		5.07	20
Benzene	1.473	1.404		-4.68	20
1,2-Dichloroethane	0.558	0.573		2.69	20
Trichloroethene	0.348	0.305		-12.36	20
1,1,2-Trichloroethane	0.362	0.350		-3.32	20
Tetrachloroethene	0.322	0.260		-19.25	20
1,2-Dichloroethane-d4	0.848	0.912		7.55	20
Dibromofluoromethane	0.345	0.310		-10.15	20
Toluene-d8	1.230	1.125		-8.54	20
4-Bromofluorobenzene	0.455	0.433		-4.84	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087566.D
Acq On : 14 Aug 2025 15:20
Operator : JC\MD
Sample : Q2842-01 40X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
RMW-03B-90.4-081225

Quant Time: Aug 14 15:39:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

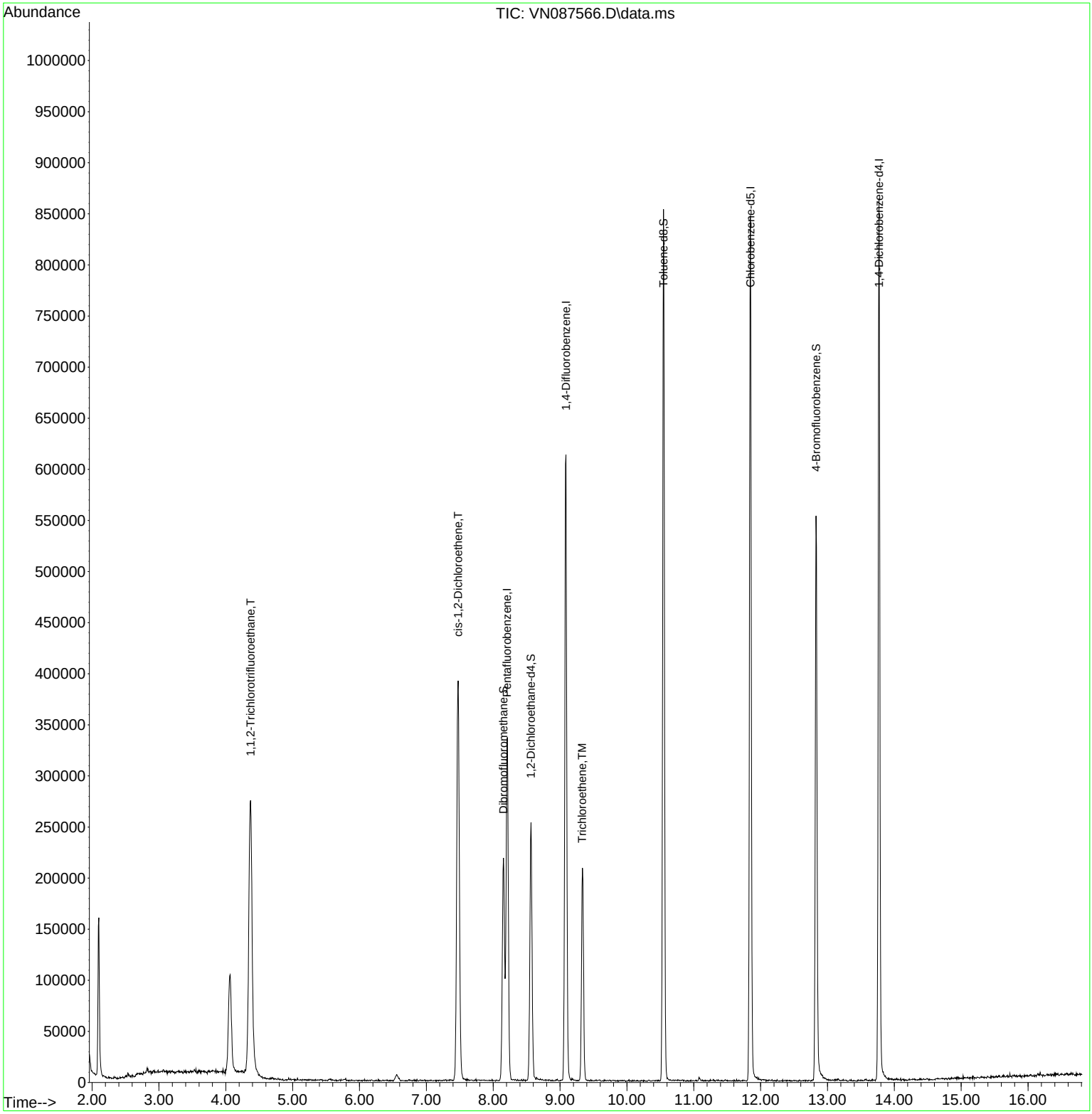
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	225616	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.088	114	494400	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	459245	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	213548	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	205410	53.657	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.320%			
35) Dibromofluoromethane	8.153	113	155257	45.525	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.040%			
50) Toluene-d8	10.547	98	555821	45.689	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 91.380%			
62) 4-Bromofluorobenzene	12.829	95	197243	43.886	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 87.780%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	4.371	101	188722	83.020	ug/l	95
27) cis-1,2-Dichloroethene	7.477	96	234562	70.144	ug/l	91
44) Trichloroethene	9.329	130	69531	20.207	ug/l	99

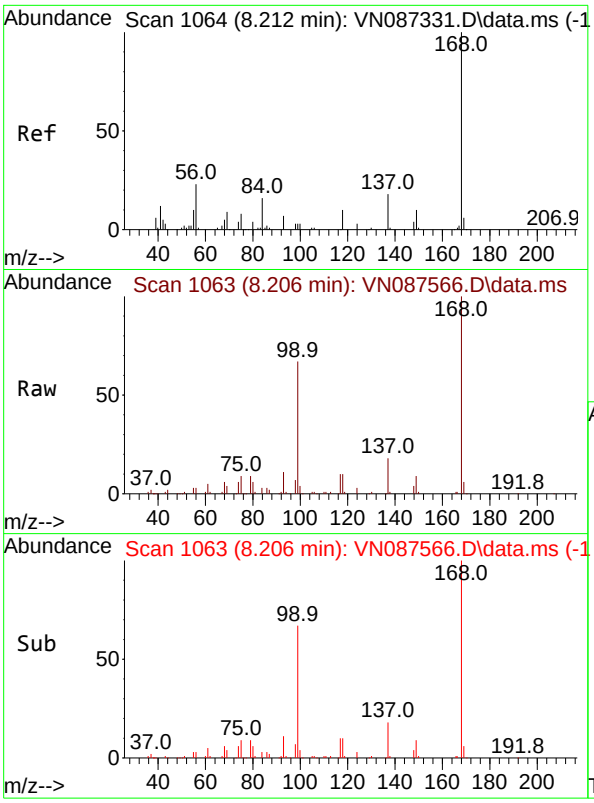
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087566.D
Acq On : 14 Aug 2025 15:20
Operator : JC\MD
Sample : Q2842-01 40X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
RMW-03B-90.4-081225

Quant Time: Aug 14 15:39:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration



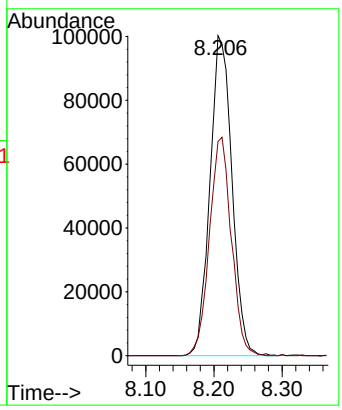


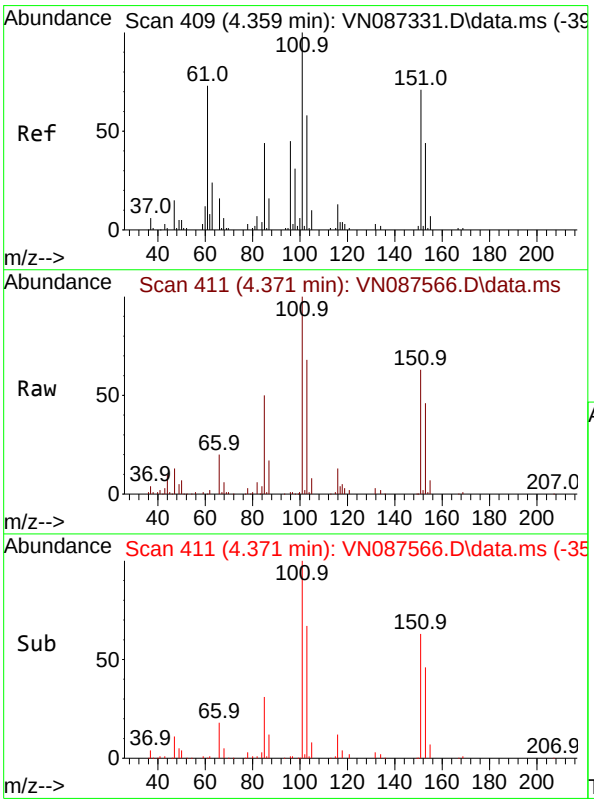
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087566.D
Acq: 14 Aug 2025 15:20

Instrument :
MSVOA_N
ClientSampleId :
RMW-03B-90.4-081225

Tgt Ion:168 Resp: 225616

Ion	Ratio	Lower	Upper
168	100		
99	66.9	47.9	71.9

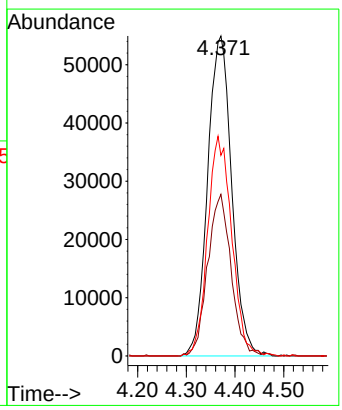


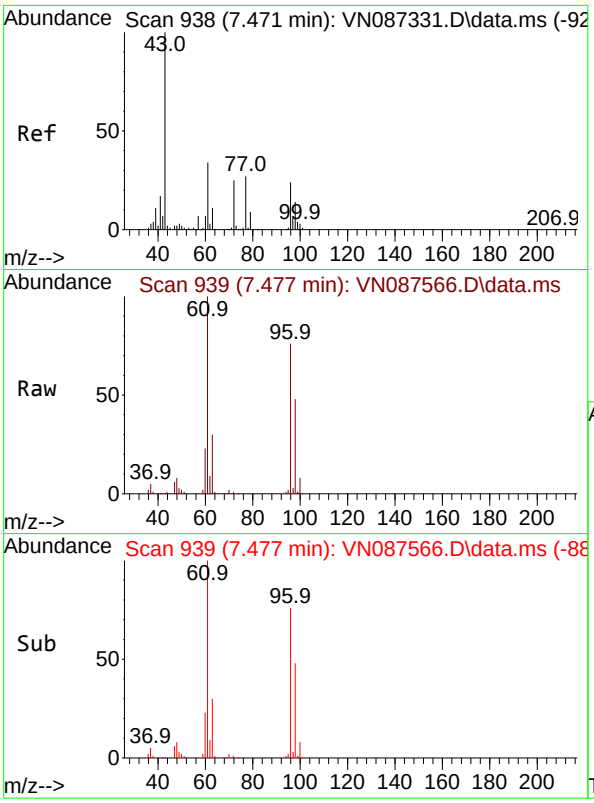


#9
1,1,2-Trichlorotrifluoroethane
Concen: 83.020 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.012 min
Lab File: VN087566.D
Acq: 14 Aug 2025 15:20

Tgt Ion:101 Resp: 188722

Ion	Ratio	Lower	Upper
101	100		
85	49.1	37.3	55.9
151	68.6	58.9	88.3



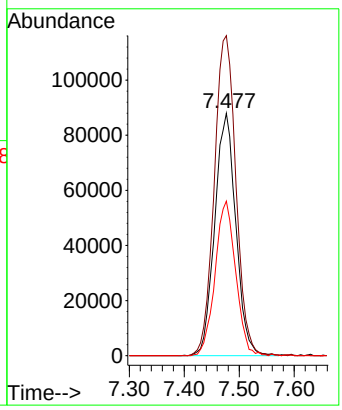


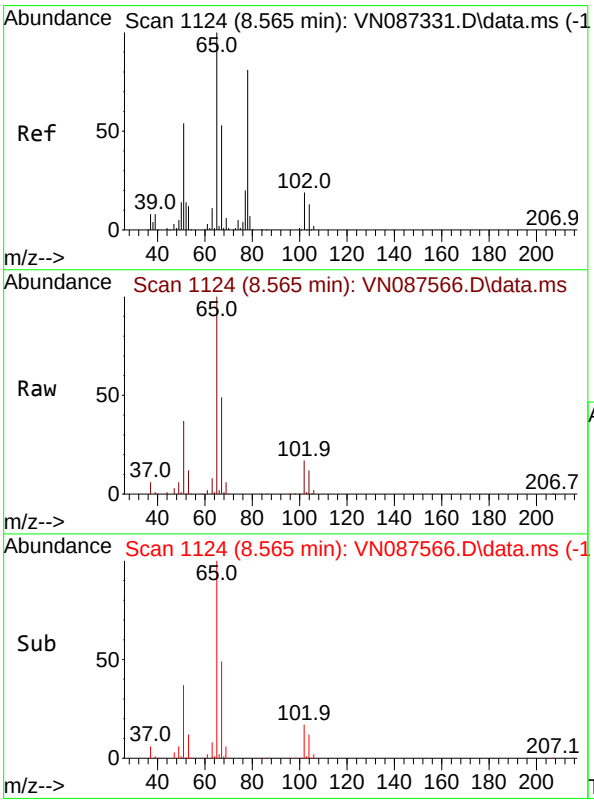
#27
cis-1,2-Dichloroethene
Concen: 70.144 ug/l
RT: 7.477 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN087566.D
Acq: 14 Aug 2025 15:20

Instrument :
MSVOA_N
ClientSampleId :
RMW-03B-90.4-081225

Tgt Ion: 96 Resp: 234562

Ion	Ratio	Lower	Upper
96	100		
61	135.3	0.0	297.8
98	62.2	0.0	132.4

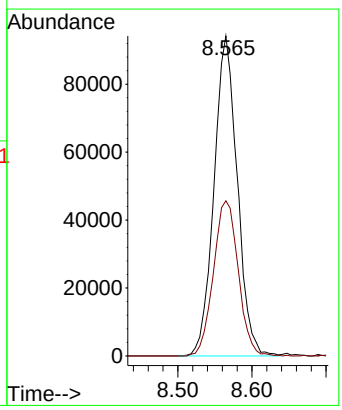


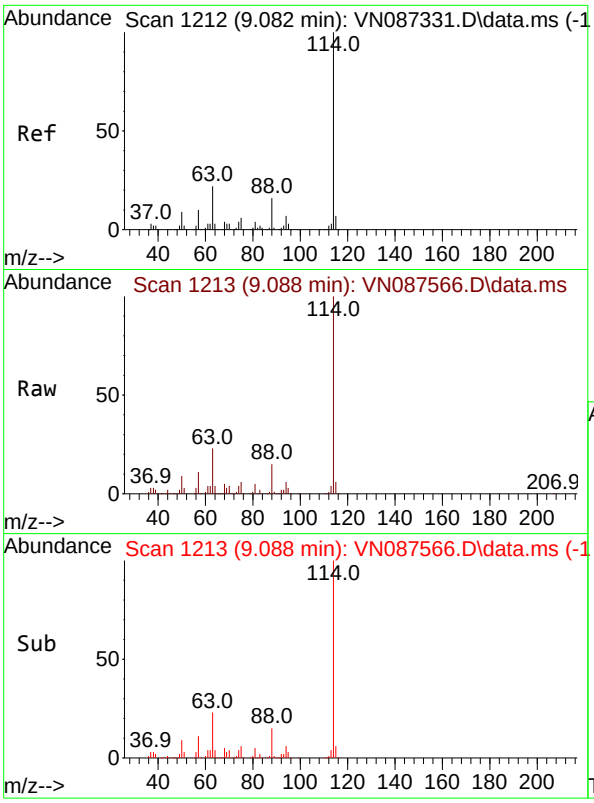


#33
1,2-Dichloroethane-d4
Concen: 53.657 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087566.D
Acq: 14 Aug 2025 15:20

Tgt Ion: 65 Resp: 205410

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	104.0



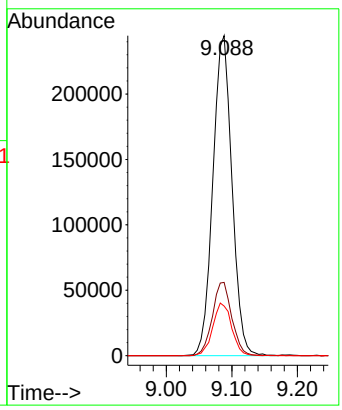


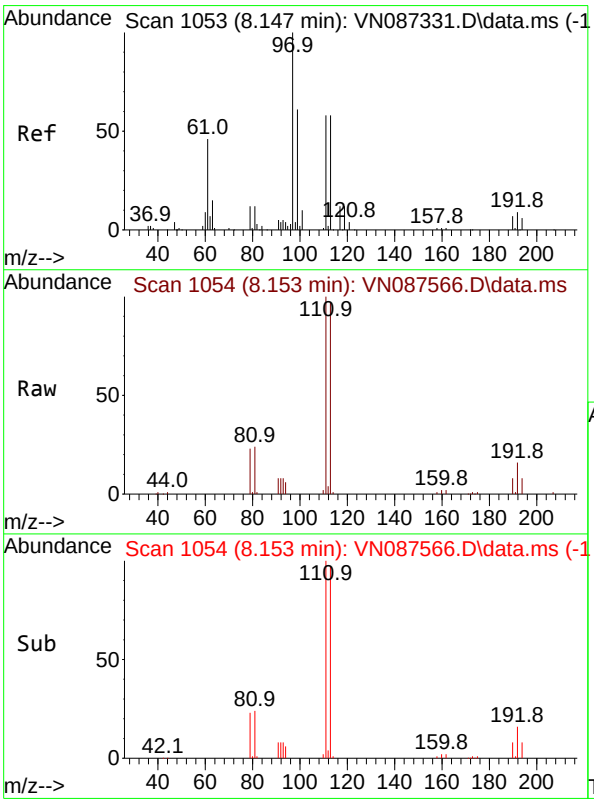
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.088 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087566.D
Acq: 14 Aug 2025 15:20

Instrument :
MSVOA_N
ClientSampleId :
RMW-03B-90.4-081225

Tgt Ion:114 Resp: 494400

Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	44.6
88	15.5	0.0	32.8

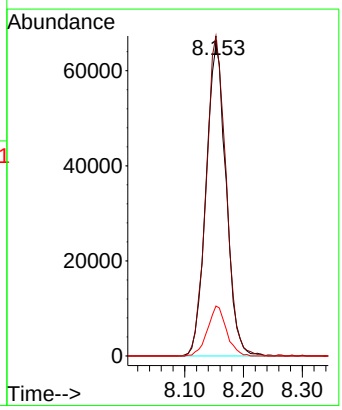




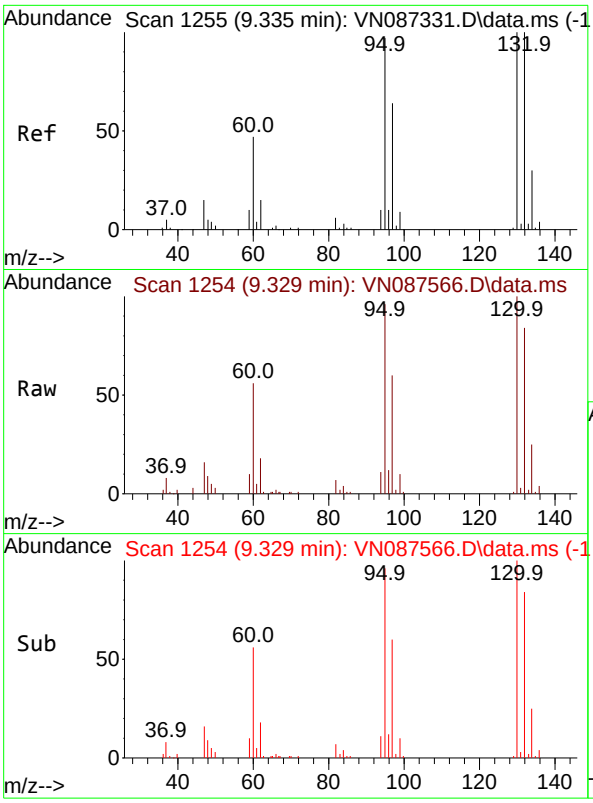
#35
Dibromofluoromethane
Concen: 45.525 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VN087566.D
Acq: 14 Aug 2025 15:20

Tgt Ion:113 Resp: 155257

Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.5	123.7
192	15.1	13.7	20.5



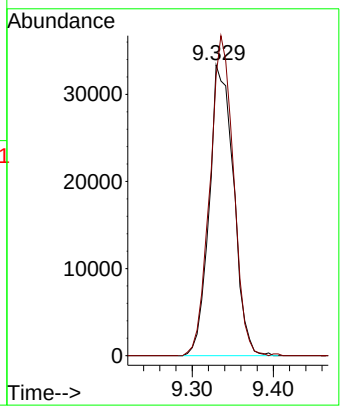
Instrument :
MSVOA_N
ClientSampleId :
RMW-03B-90.4-081225

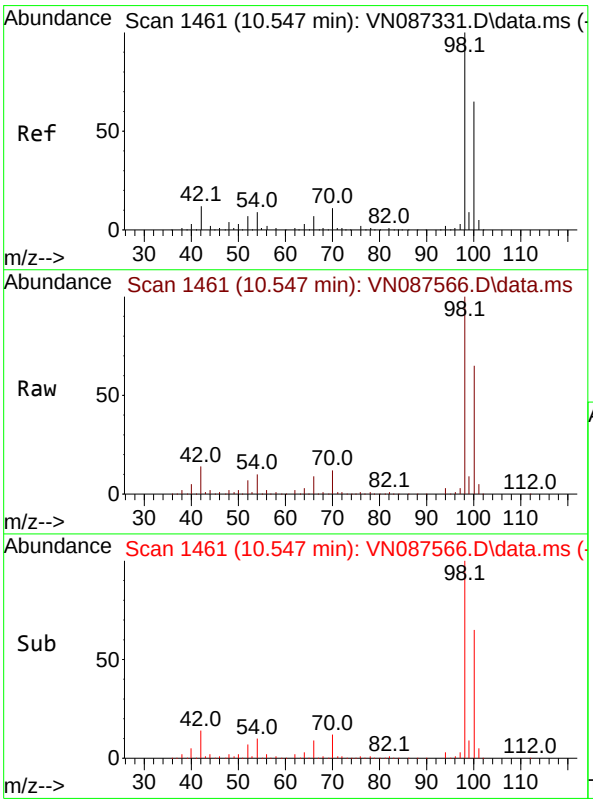


#44
Trichloroethene
Concen: 20.207 ug/l
RT: 9.329 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087566.D
Acq: 14 Aug 2025 15:20

Tgt Ion:130 Resp: 69531

Ion	Ratio	Lower	Upper
130	100		
95	96.4	0.0	195.2

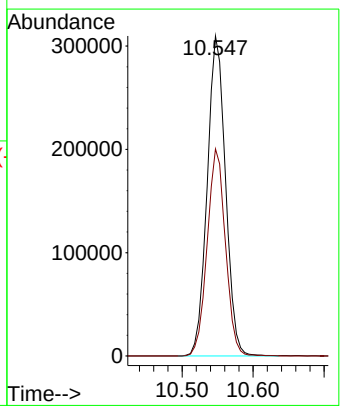


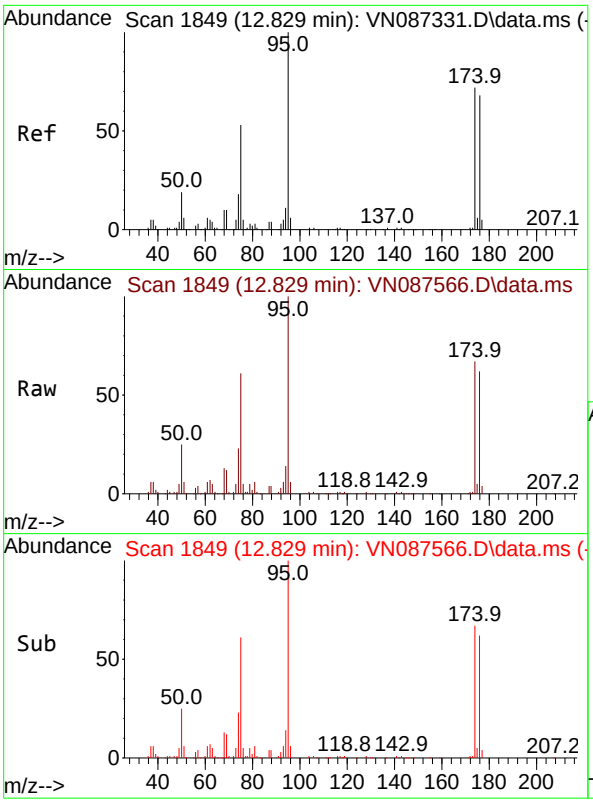


#50
Toluene-d8
Concen: 45.689 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087566.D
Acq: 14 Aug 2025 15:20

Tgt Ion: 98 Resp: 555821

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.1	78.1



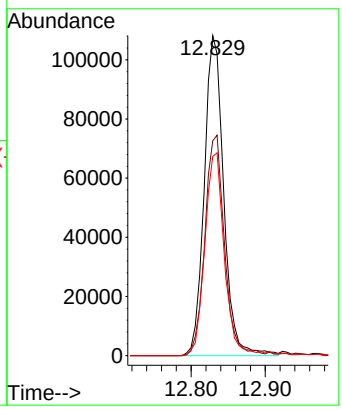


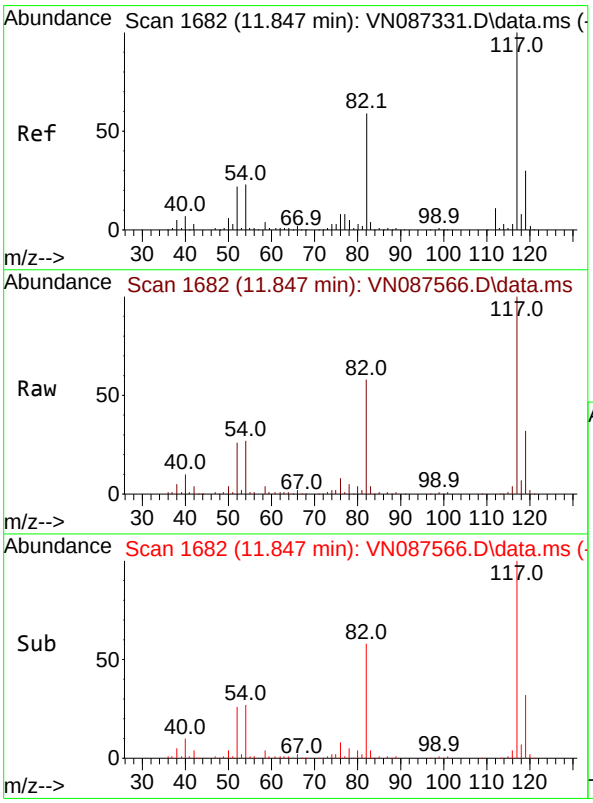
#62
4-Bromofluorobenzene
Concen: 43.886 ug/l
RT: 12.829 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087566.D
Acq: 14 Aug 2025 15:20

Instrument :
MSVOA_N
ClientSampleId :
RMW-03B-90.4-081225

Tgt Ion: 95 Resp: 197243

Ion	Ratio	Lower	Upper
95	100		
174	69.3	0.0	149.4
176	64.4	0.0	141.2

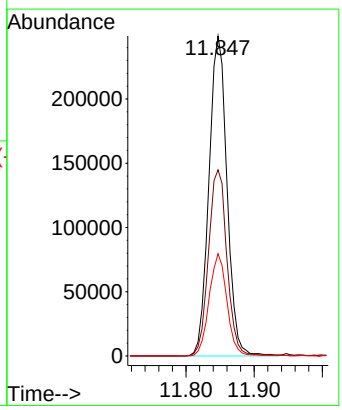


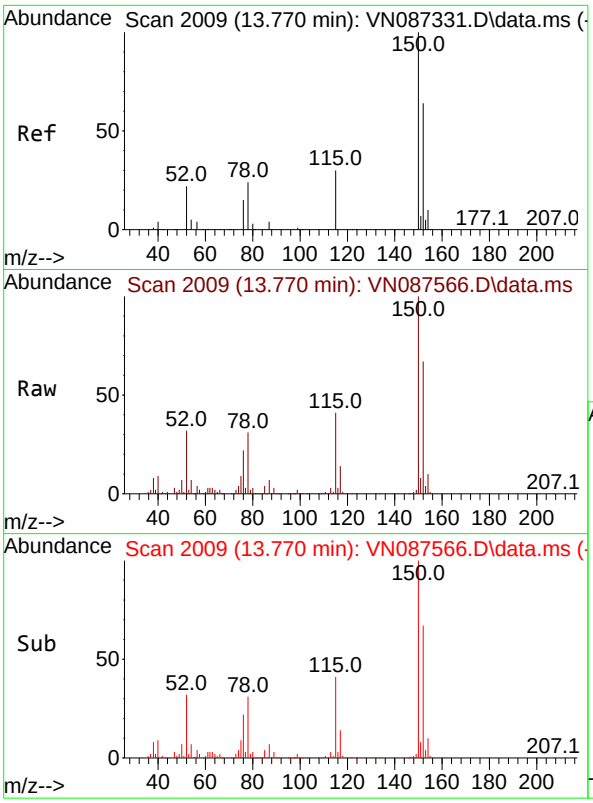


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VN087566.D
Acq: 14 Aug 2025 15:20

Tgt Ion:117 Resp: 459245

Ion	Ratio	Lower	Upper
117	100		
82	58.2	47.4	71.2
119	32.0	23.8	35.8



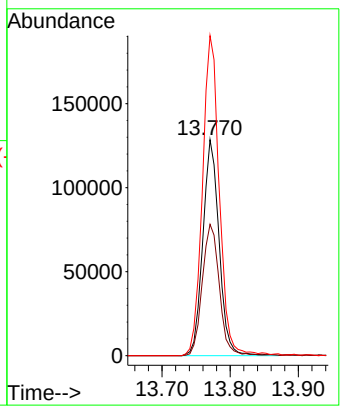


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN087566.D
Acq: 14 Aug 2025 15:20

Instrument :
MSVOA_N
ClientSampleId :
RMW-03B-90.4-081225

Tgt Ion:152 Resp: 213548

Ion	Ratio	Lower	Upper
152	100		
115	63.6	31.1	93.5
150	154.0	0.0	349.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087567.D
Acq On : 14 Aug 2025 15:42
Operator : JC\MD
Sample : Q2842-02 40X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
RMW-02B-66.3-081225

Quant Time: Aug 14 19:59:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

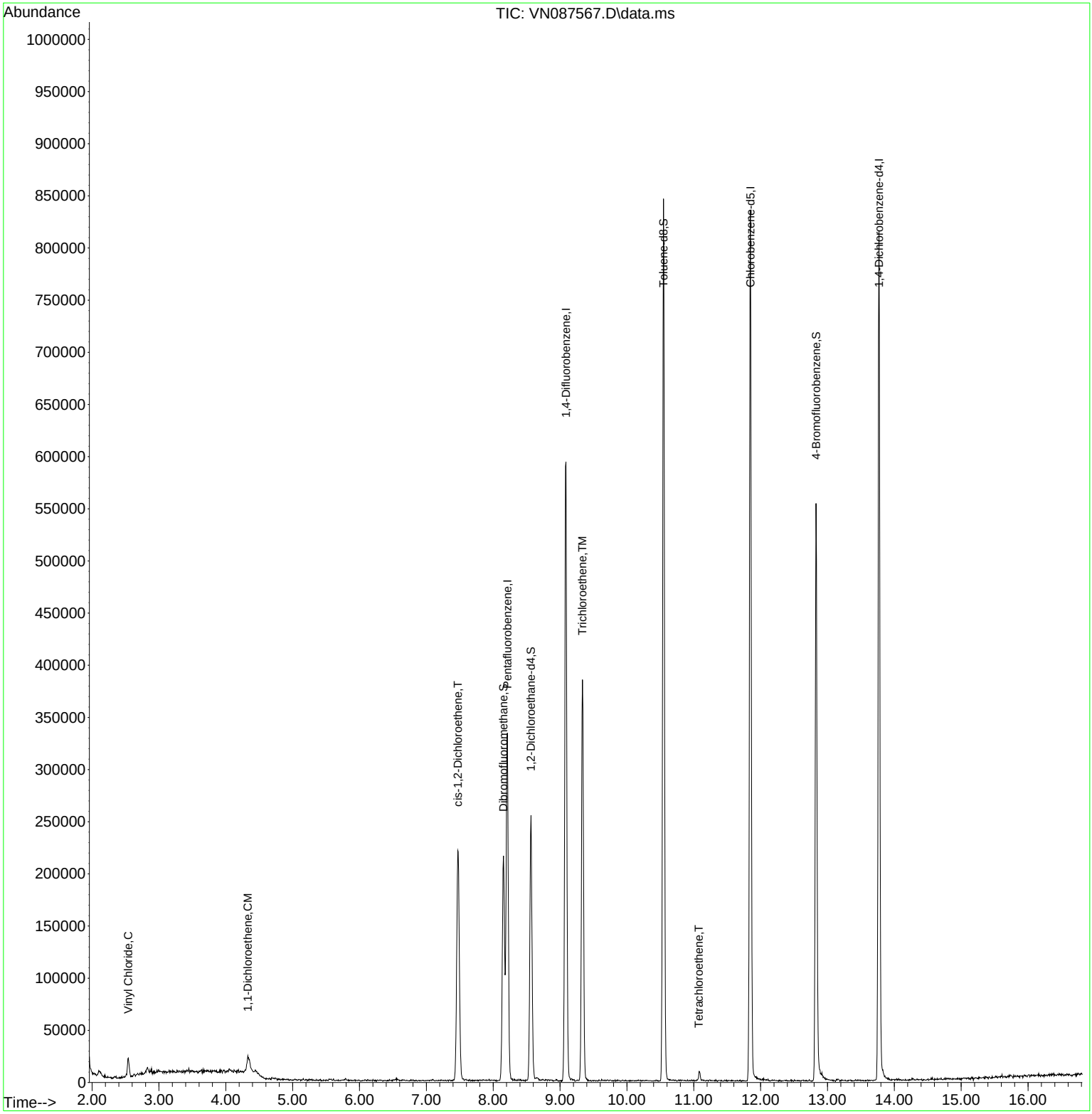
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.212	168	218605	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.088	114	486591	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	438933	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	211146	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	211465	57.010	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.020%			
35) Dibromofluoromethane	8.153	113	151404	45.108	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 90.220%			
50) Toluene-d8	10.547	98	550924	46.014	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.020%			
62) 4-Bromofluorobenzene	12.829	95	199247	45.043	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 90.080%			
Target Compounds						Qvalue
4) Vinyl Chloride	2.542	62	17532	6.042	ug/l	97
12) 1,1-Dichloroethene	4.330	96	8400	3.365	ug/l	94
27) cis-1,2-Dichloroethene	7.471	96	128340	39.610	ug/l	94
44) Trichloroethene	9.335	130	129163	38.140	ug/l	94
64) Tetrachloroethene	11.076	164	1746	0.618	ug/l #	78

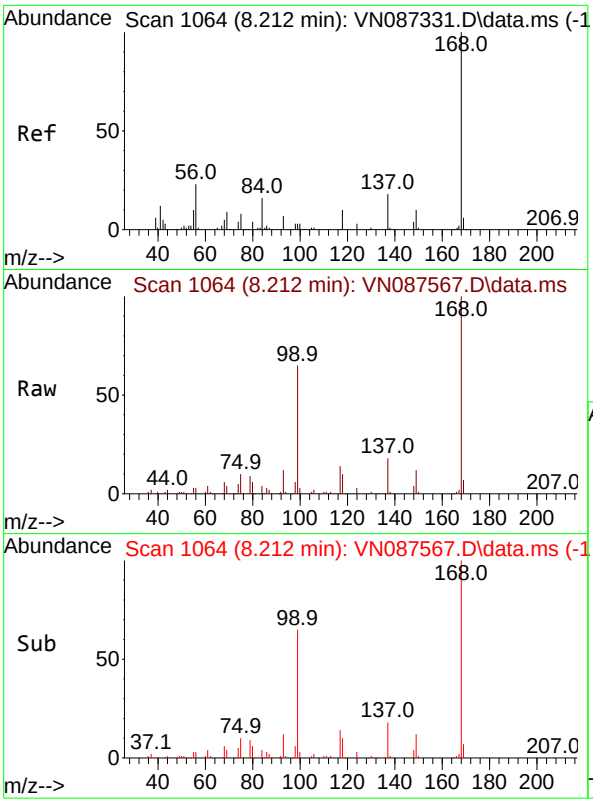
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087567.D
Acq On : 14 Aug 2025 15:42
Operator : JC\MD
Sample : Q2842-02 40X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
RMW-02B-66.3-081225

Quant Time: Aug 14 19:59:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration



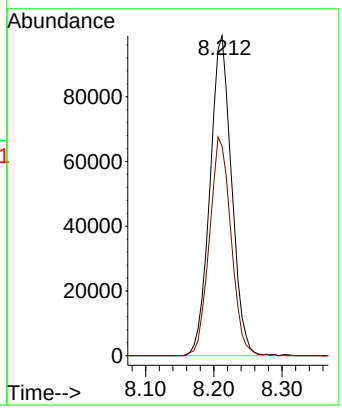


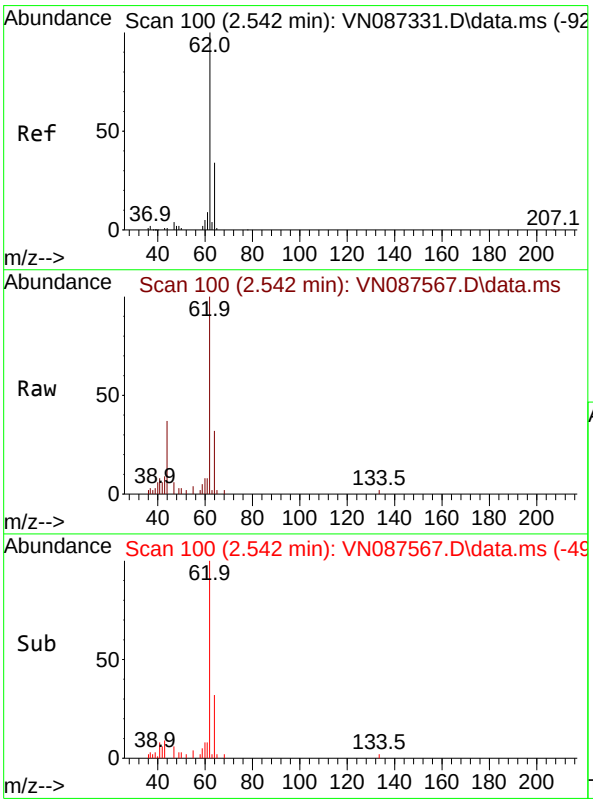
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087567.D
Acq: 14 Aug 2025 15:42

Instrument :
MSVOA_N
ClientSampleId :
RMW-02B-66.3-081225

Tgt Ion:168 Resp: 218605

Ion	Ratio	Lower	Upper
168	100		
99	65.5	47.9	71.9

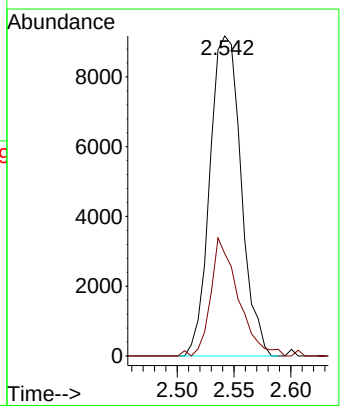


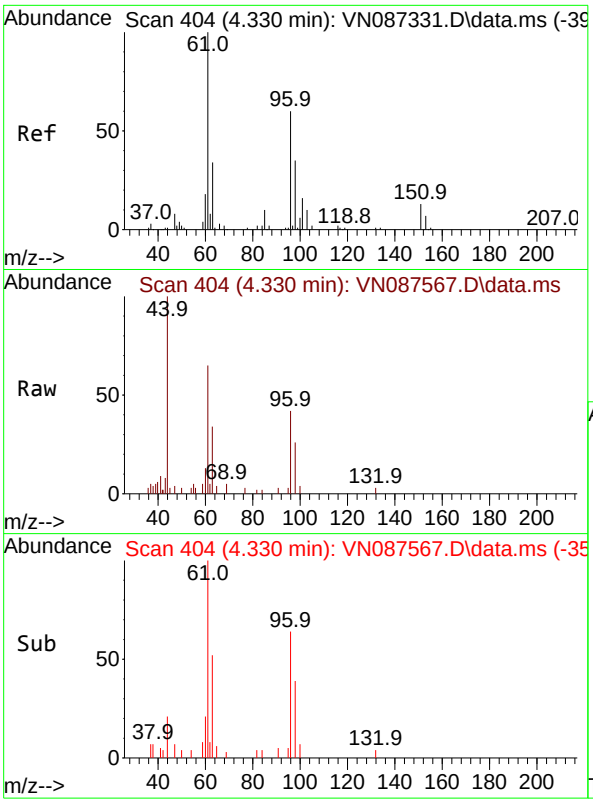


#4
Vinyl Chloride
Concen: 6.042 ug/l
RT: 2.542 min Scan# 100
Delta R.T. 0.000 min
Lab File: VN087567.D
Acq: 14 Aug 2025 15:42

Tgt Ion: 62 Resp: 17532

Ion	Ratio	Lower	Upper
62	100		
64	31.9	27.0	40.6



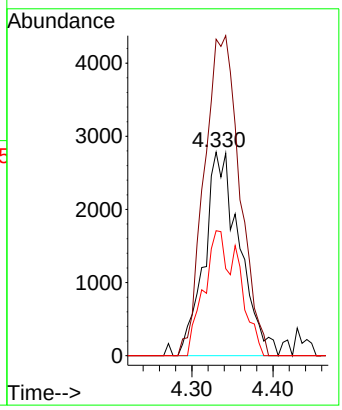


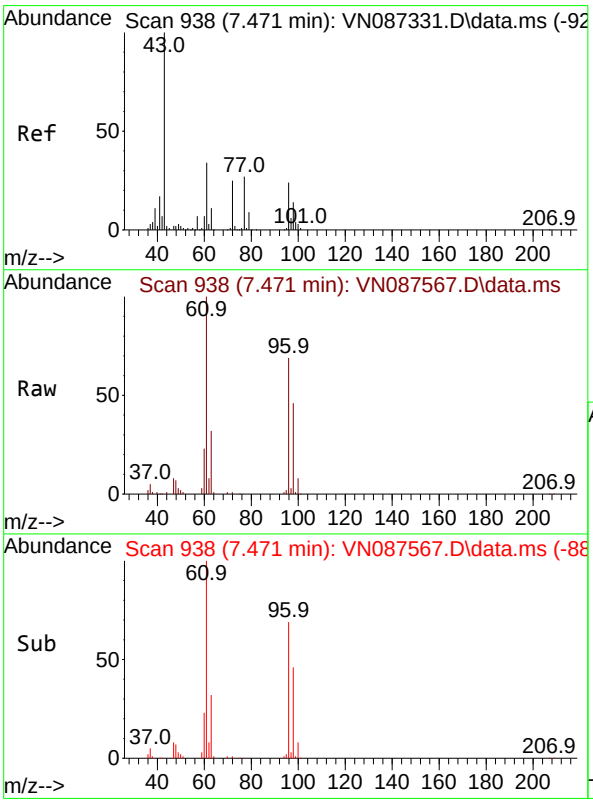
#12
1,1-Dichloroethene
Concen: 3.365 ug/l
RT: 4.330 min Scan# 4(
Delta R.T. 0.000 min
Lab File: VN087567.D
Acq: 14 Aug 2025 15:42

Instrument :
MSVOA_N
ClientSampleId :
RMW-02B-66.3-081225

Tgt Ion: 96 Resp: 8400

Ion	Ratio	Lower	Upper
96	100		
61	155.5	132.3	198.5
98	61.4	46.8	70.2

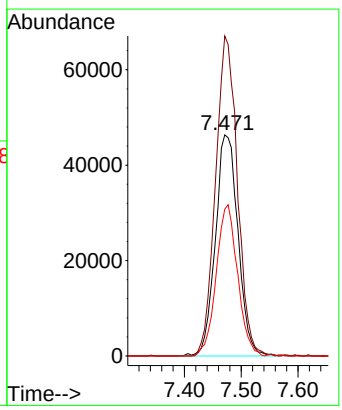


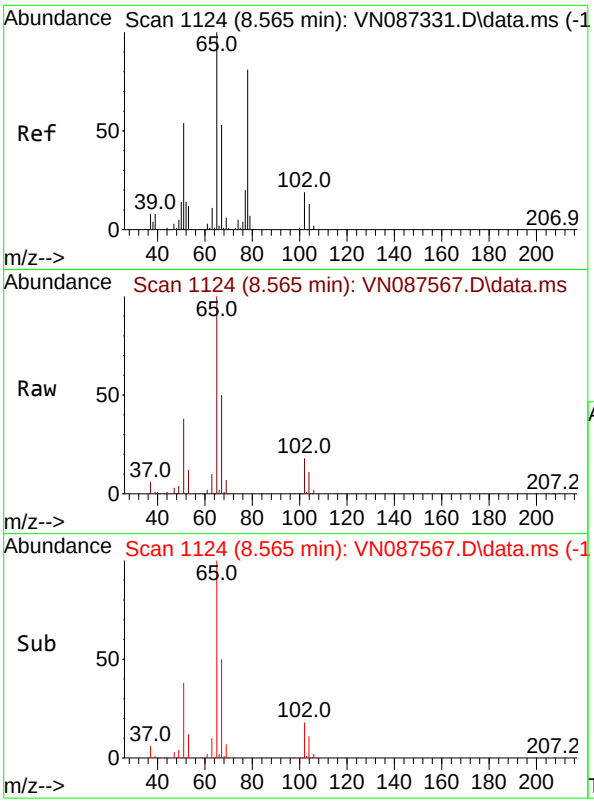


#27
cis-1,2-Dichloroethene
Concen: 39.610 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.000 min
Lab File: VN087567.D
Acq: 14 Aug 2025 15:42

Tgt Ion: 96 Resp: 128340

Ion	Ratio	Lower	Upper
96	100		
61	139.9	0.0	297.8
98	64.5	0.0	132.4



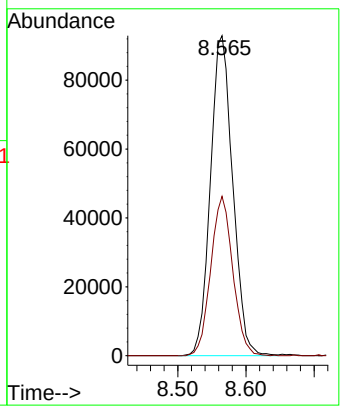


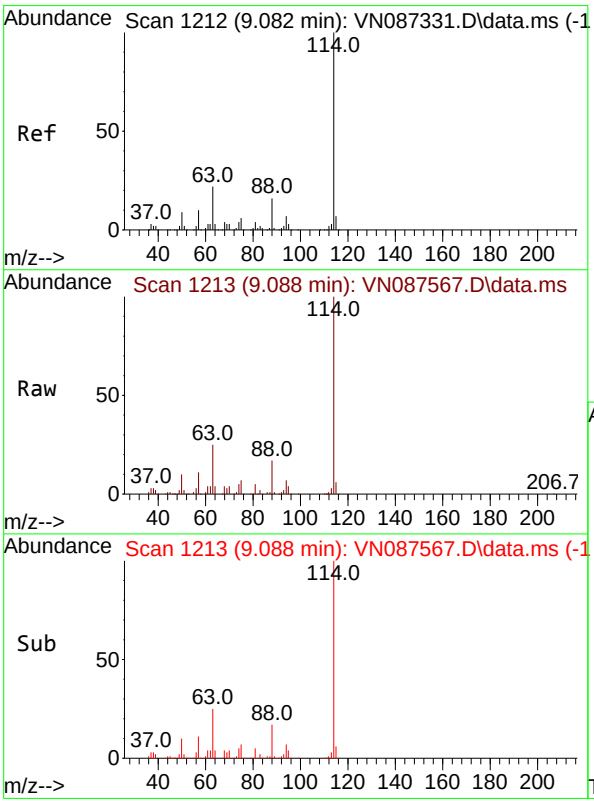
#33
1,2-Dichloroethane-d4
Concen: 57.010 ug/l
RT: 8.565 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087567.D
Acq: 14 Aug 2025 15:42

Instrument :
MSVOA_N
ClientSampleId :
RMW-02B-66.3-081225

Tgt Ion: 65 Resp: 211465

Ion	Ratio	Lower	Upper
65	100		
67	49.2	0.0	104.0

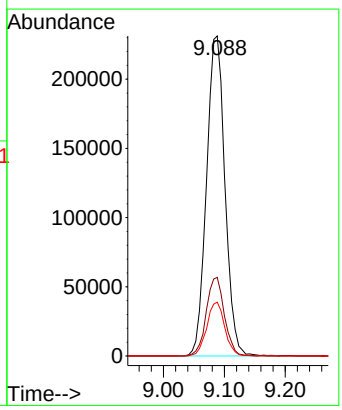




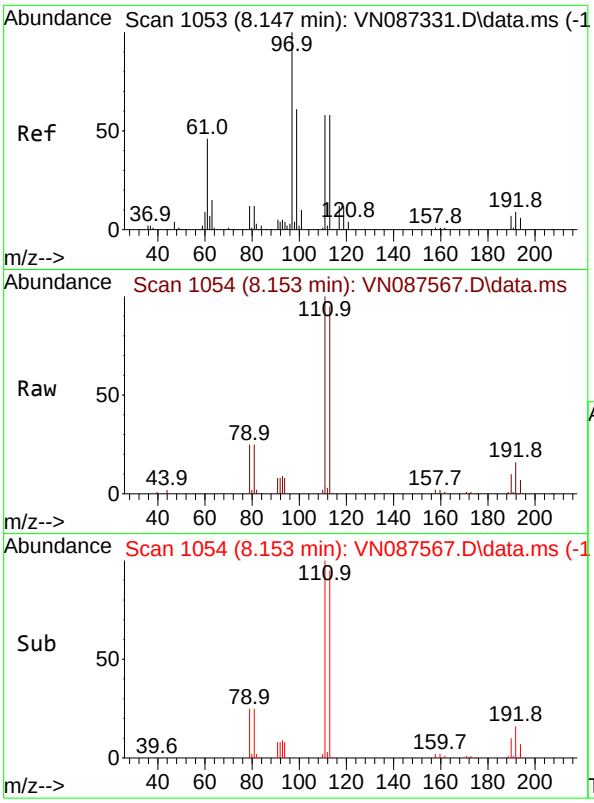
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.088 min Scan# 1213
Delta R.T. 0.006 min
Lab File: VN087567.D
Acq: 14 Aug 2025 15:42

Tgt Ion:114 Resp: 486591

Ion	Ratio	Lower	Upper
114	100		
63	24.5	0.0	44.6
88	16.8	0.0	32.8



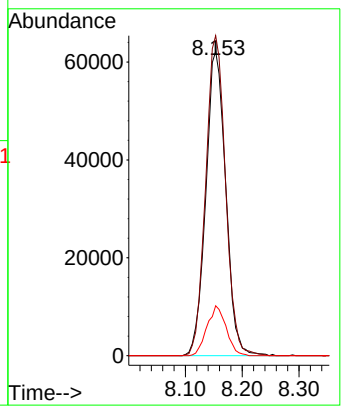
Instrument :
MSVOA_N
ClientSampleId :
RMW-02B-66.3-081225

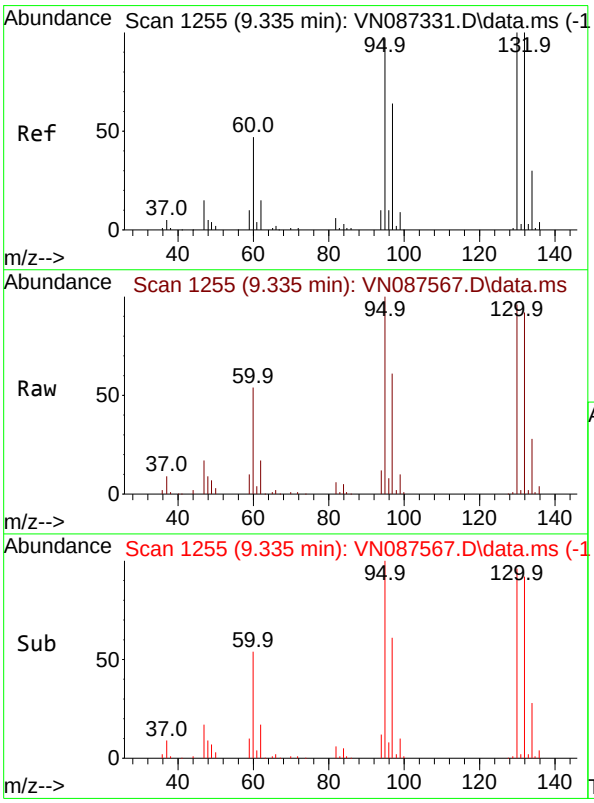


#35
Dibromofluoromethane
Concen: 45.108 ug/l
RT: 8.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087567.D
Acq: 14 Aug 2025 15:42

Tgt Ion:113 Resp: 151404

Ion	Ratio	Lower	Upper
113	100		
111	104.3	82.5	123.7
192	15.8	13.7	20.5

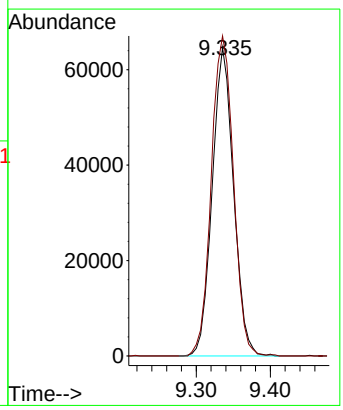


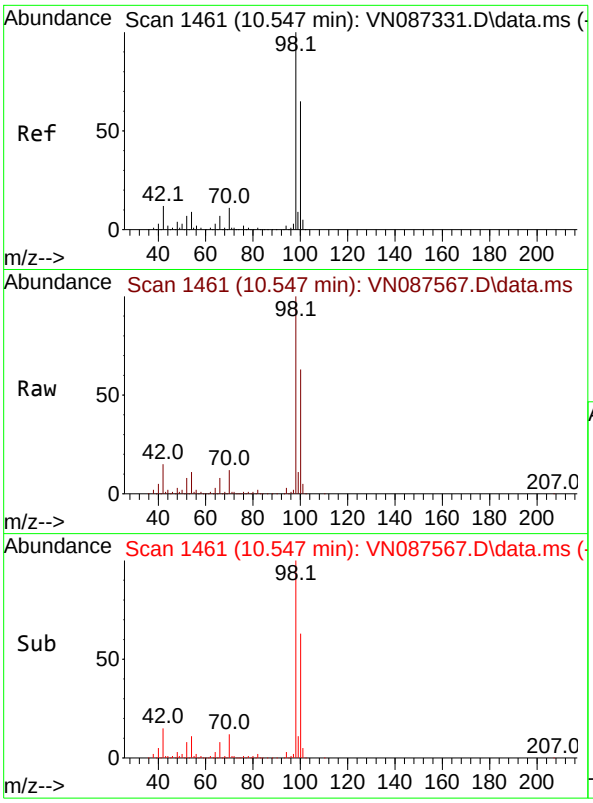


#44
Trichloroethene
Concen: 38.140 ug/l
RT: 9.335 min Scan# 1255
Delta R.T. 0.000 min
Lab File: VN087567.D
Acq: 14 Aug 2025 15:42

Tgt Ion:130 Resp: 129163

Ion	Ratio	Lower	Upper
130	100		
95	103.7	0.0	195.2



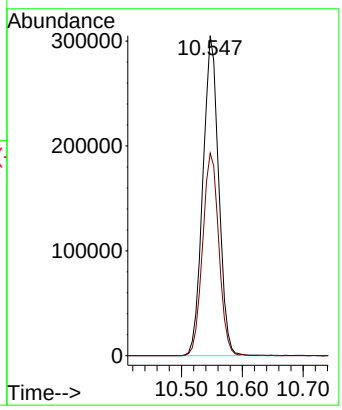


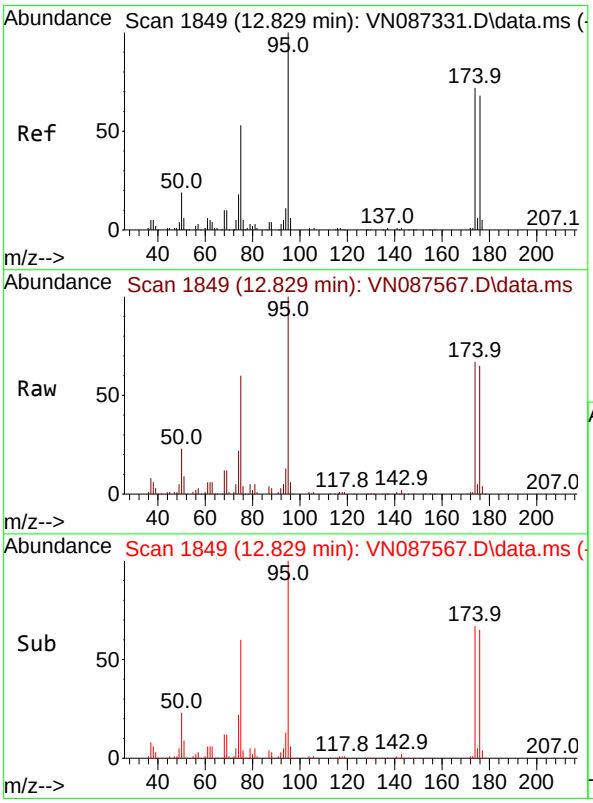
#50
Toluene-d8
Concen: 46.014 ug/l
RT: 10.547 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN087567.D
Acq: 14 Aug 2025 15:42

Instrument :
MSVOA_N
ClientSampleId :
RMW-02B-66.3-081225

Tgt Ion: 98 Resp: 550924

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.1	78.1

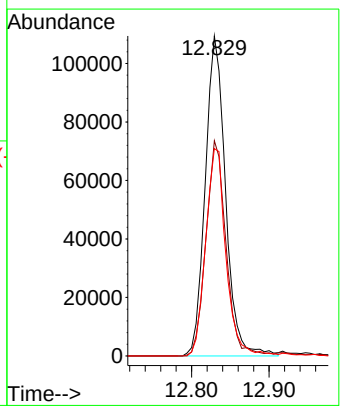


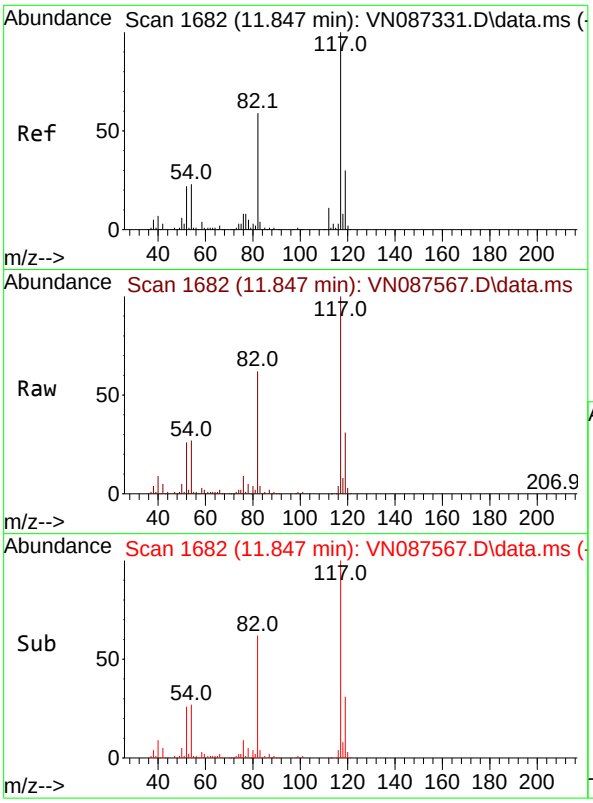


#62
4-Bromofluorobenzene
Concen: 45.043 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087567.D
Acq: 14 Aug 2025 15:42

Tgt Ion: 95 Resp: 199247

Ion	Ratio	Lower	Upper
95	100		
174	66.4	0.0	149.4
176	64.9	0.0	141.2



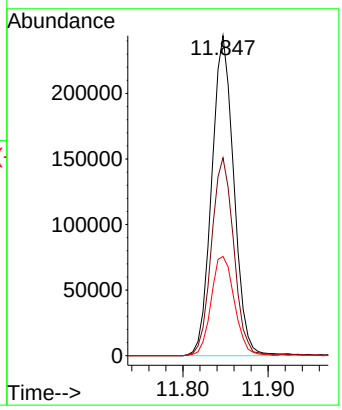


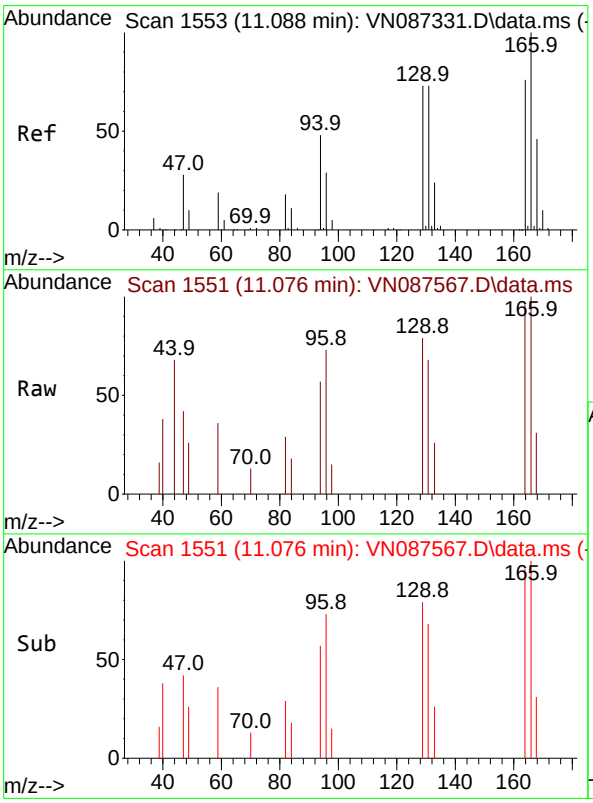
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087567.D
Acq: 14 Aug 2025 15:42

Instrument :
MSVOA_N
ClientSampleId :
RMW-02B-66.3-081225

Tgt Ion:117 Resp: 438933

Ion	Ratio	Lower	Upper
117	100		
82	61.8	47.4	71.2
119	31.0	23.8	35.8

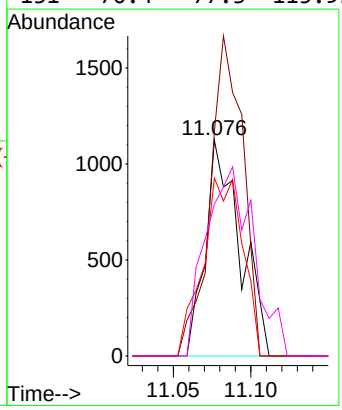


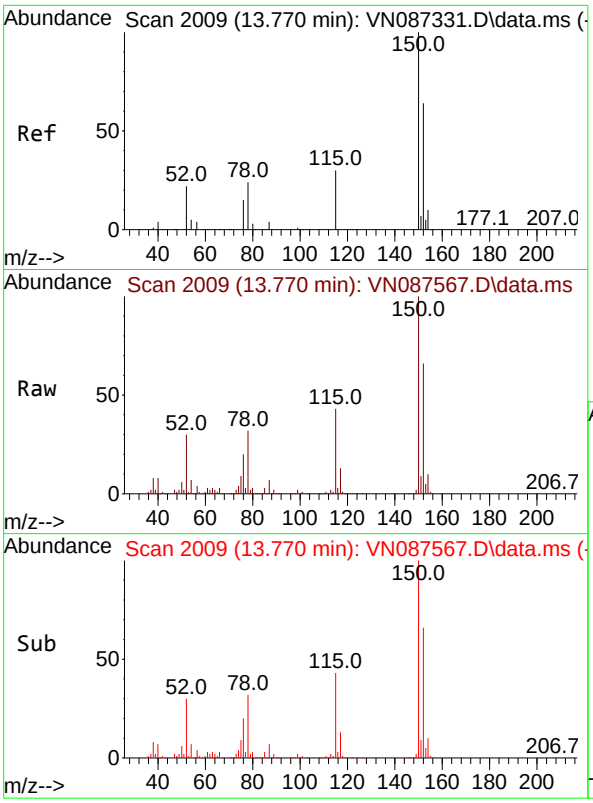


#64
Tetrachloroethene
Concen: 0.618 ug/l
RT: 11.076 min Scan# 1551
Delta R.T. -0.012 min
Lab File: VN087567.D
Acq: 14 Aug 2025 15:42

Tgt Ion:164 Resp: 1746

Ion	Ratio	Lower	Upper
164	100		
166	103.9	105.5	158.3#
129	82.5	77.4	116.2
131	70.4	77.3	115.9#



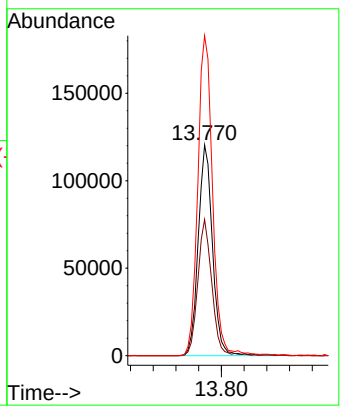


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN087567.D
Acq: 14 Aug 2025 15:42

Instrument :
MSVOA_N
ClientSampleId :
RMW-02B-66.3-081225

Tgt Ion:152 Resp: 211146

Ion	Ratio	Lower	Upper
152	100		
115	63.3	31.1	93.5
150	156.0	0.0	349.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087568.D
Acq On : 14 Aug 2025 16:04
Operator : JC\MD
Sample : Q2842-03 100X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-17B-55.5-081225

Quant Time: Aug 14 19:59:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

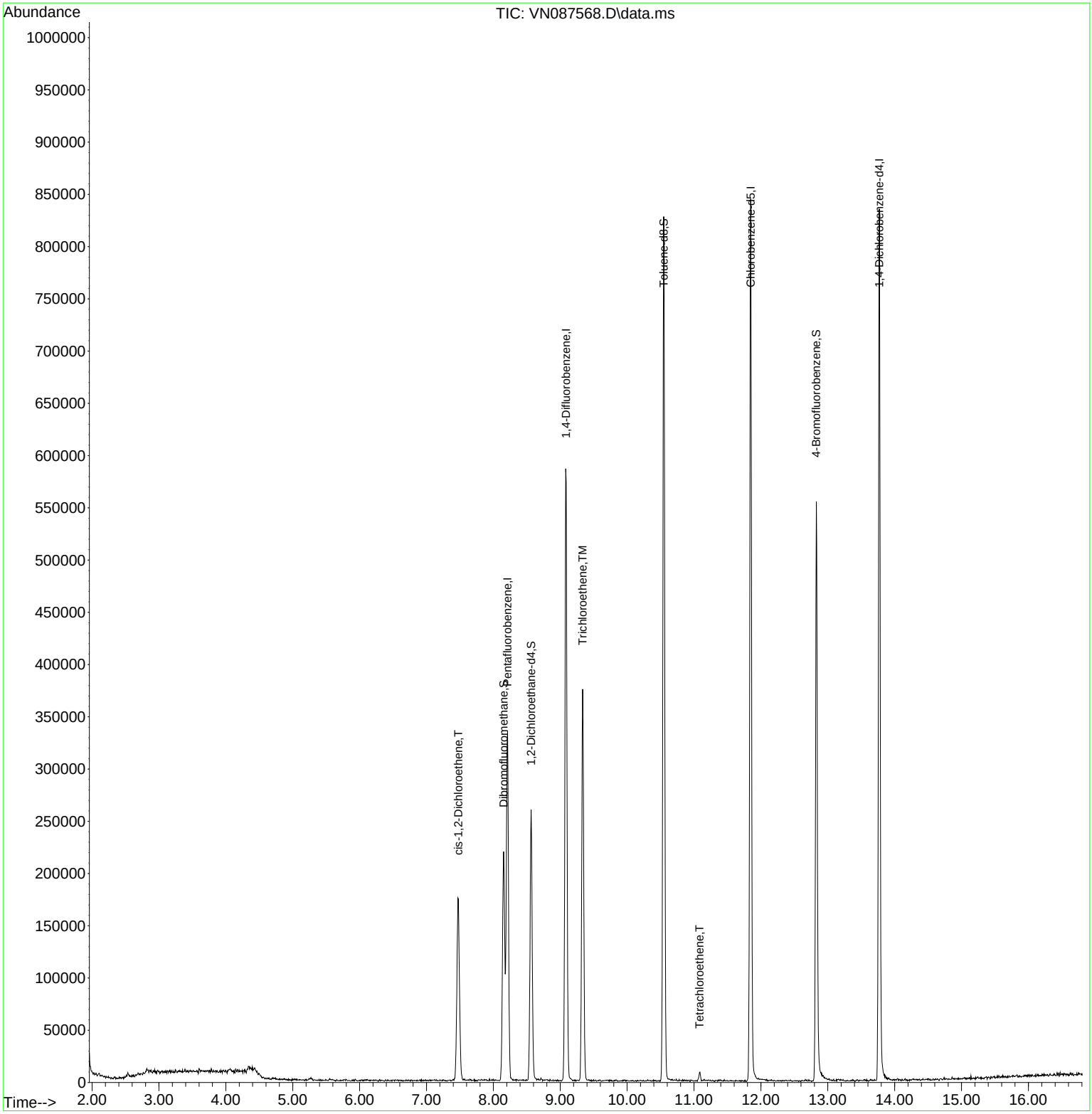
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.212	168	219937	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.088	114	487780	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	455235	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	209426	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	211074	56.560	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.120%			
35) Dibromofluoromethane	8.153	113	151622	45.062	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 90.120%			
50) Toluene-d8	10.547	98	557660	46.463	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.920%			
62) 4-Bromofluorobenzene	12.829	95	201626	45.470	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 90.940%			
Target Compounds						Qvalue
27) cis-1,2-Dichloroethene	7.477	96	99130	30.410	ug/l	93
44) Trichloroethene	9.335	130	123655	36.424	ug/l	98
64) Tetrachloroethene	11.082	164	1650	0.563	ug/l #	81

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

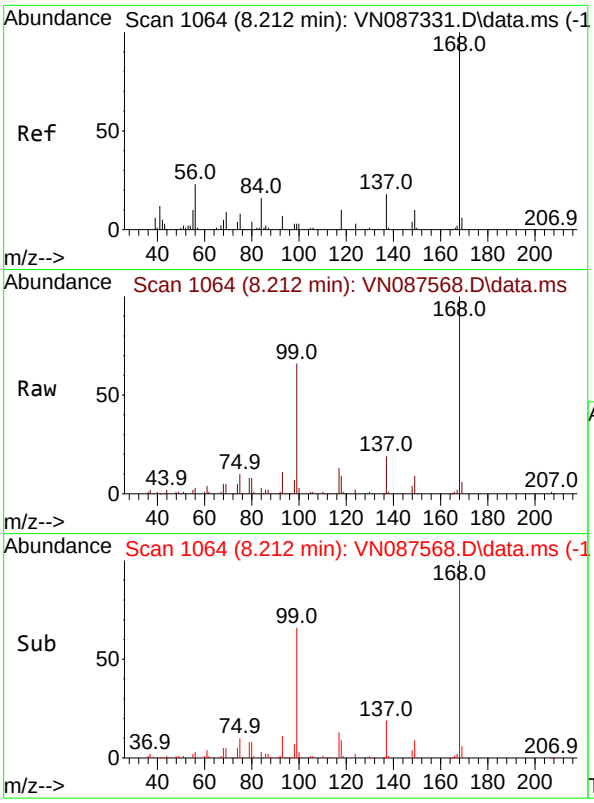
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087568.D
Acq On : 14 Aug 2025 16:04
Operator : JC\MD
Sample : Q2842-03 100X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-17B-55.5-081225

Quant Time: Aug 14 19:59:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration



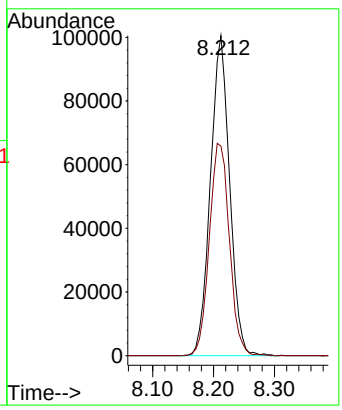
Instrument :
MSVOA_N
ClientSampleId :
MW-17B-55.5-081225

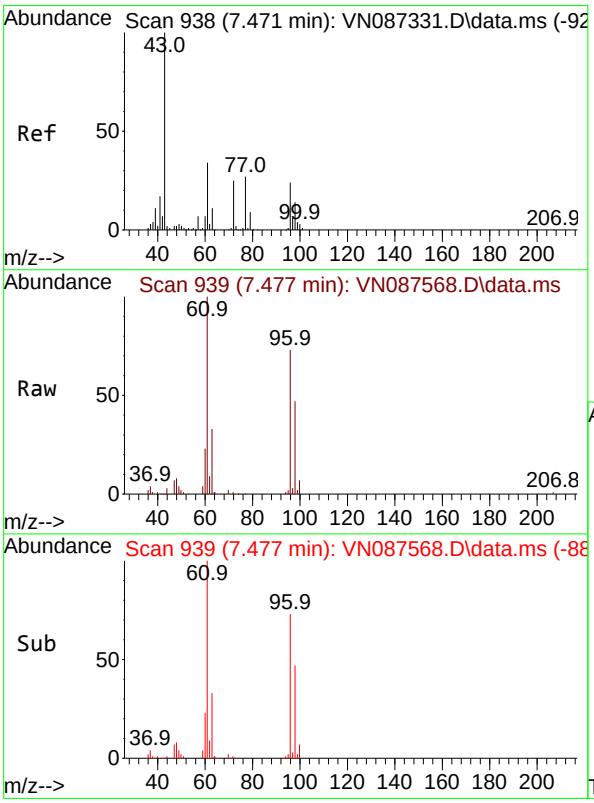


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087568.D
Acq: 14 Aug 2025 16:04

Tgt Ion:168 Resp: 219937

Ion	Ratio	Lower	Upper
168	100		
99	65.5	47.9	71.9

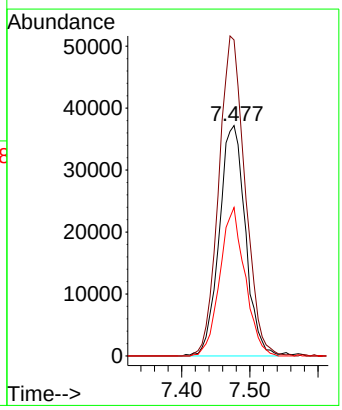


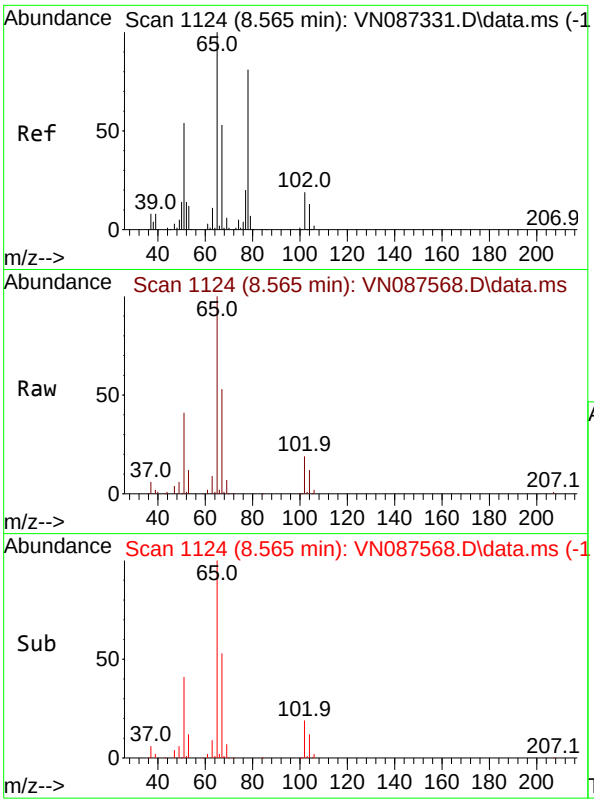


#27
cis-1,2-Dichloroethene
Concen: 30.410 ug/l
RT: 7.477 min Scan# 939
Delta R.T. 0.006 min
Lab File: VN087568.D
Acq: 14 Aug 2025 16:04

Tgt Ion: 96 Resp: 99130

Ion	Ratio	Lower	Upper
96	100		
61	139.9	0.0	297.8
98	62.0	0.0	132.4



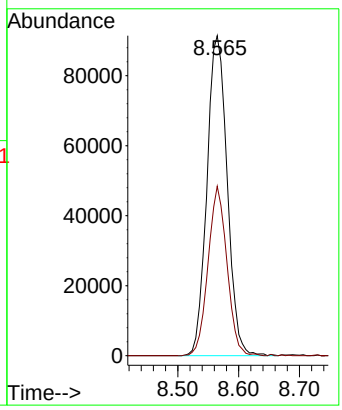


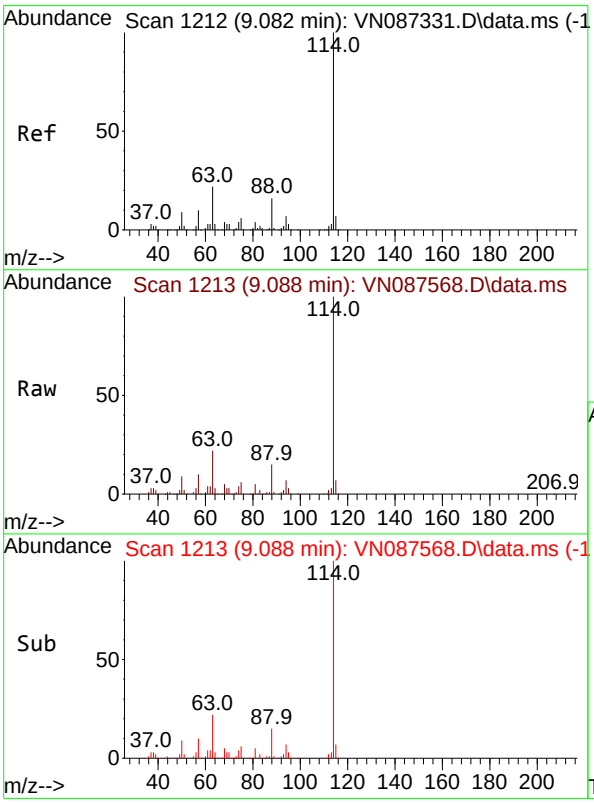
#33
1,2-Dichloroethane-d4
Concen: 56.560 ug/l
RT: 8.565 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087568.D
Acq: 14 Aug 2025 16:04

Instrument :
MSVOA_N
ClientSampleId :
MW-17B-55.5-081225

Tgt Ion: 65 Resp: 211074

Ion	Ratio	Lower	Upper
65	100		
67	49.4	0.0	104.0

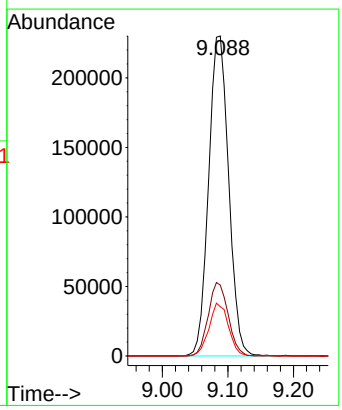


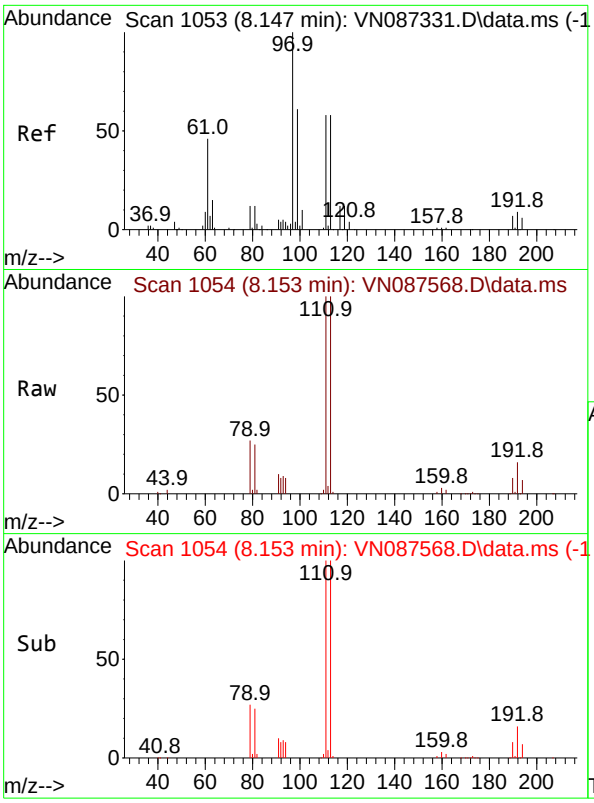


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.088 min Scan# 1213
Delta R.T. 0.006 min
Lab File: VN087568.D
Acq: 14 Aug 2025 16:04

Tgt Ion:114 Resp: 487780

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	44.6
88	15.4	0.0	32.8



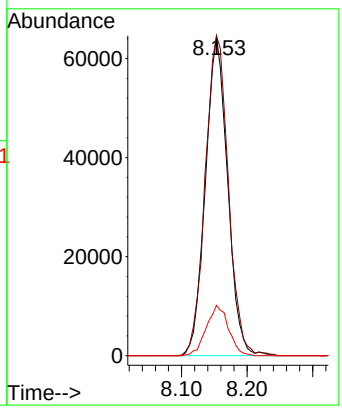


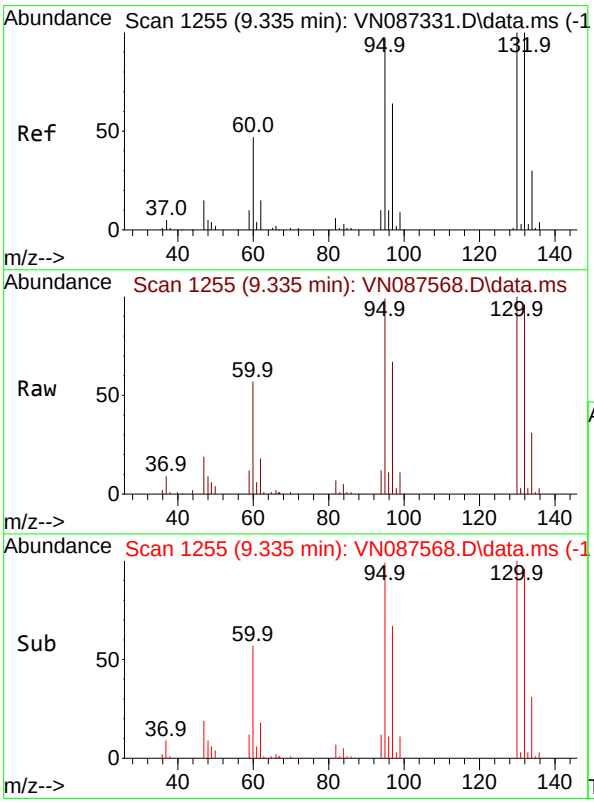
#35
Dibromofluoromethane
Concen: 45.062 ug/l
RT: 8.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087568.D
Acq: 14 Aug 2025 16:04

Instrument :
MSVOA_N
ClientSampleId :
MW-17B-55.5-081225

Tgt Ion:113 Resp: 151622

Ion	Ratio	Lower	Upper
113	100		
111	104.2	82.5	123.7
192	15.7	13.7	20.5

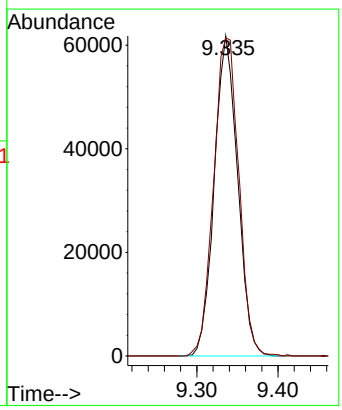




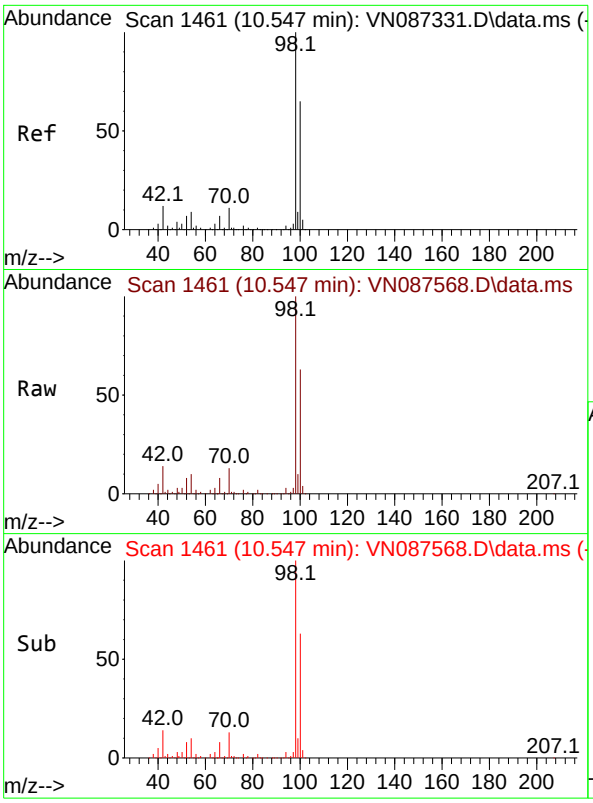
#44
Trichloroethene
Concen: 36.424 ug/l
RT: 9.335 min Scan# 1255
Delta R.T. 0.000 min
Lab File: VN087568.D
Acq: 14 Aug 2025 16:04

Tgt Ion:130 Resp: 123655

Ion	Ratio	Lower	Upper
130	100		
95	99.4	0.0	195.2



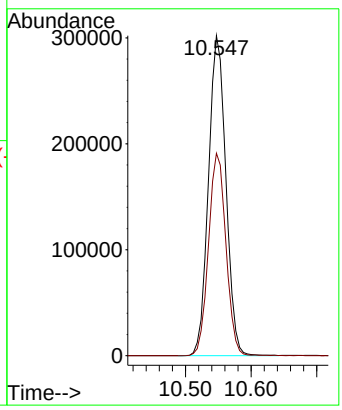
Instrument :
MSVOA_N
ClientSampleId :
MW-17B-55.5-081225

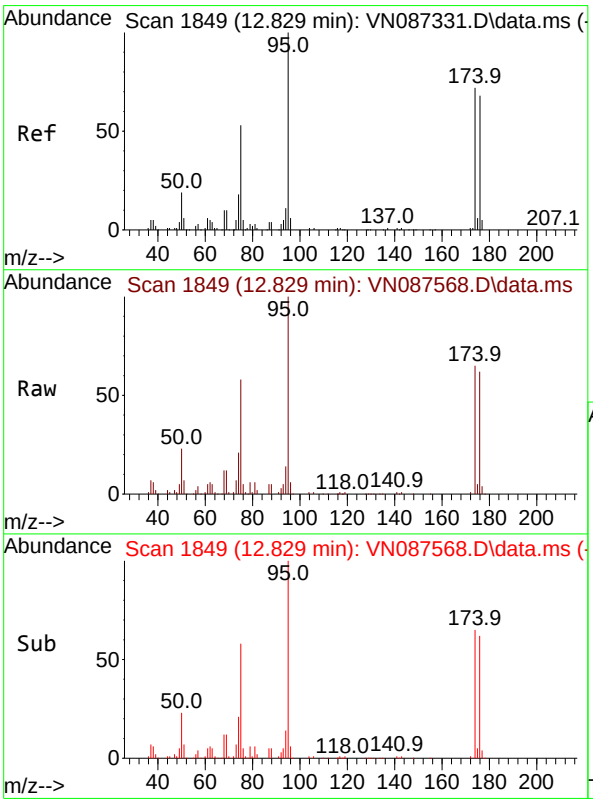


#50
Toluene-d8
Concen: 46.463 ug/l
RT: 10.547 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN087568.D
Acq: 14 Aug 2025 16:04

Tgt Ion: 98 Resp: 557660

Ion	Ratio	Lower	Upper
98	100		
100	63.3	52.1	78.1

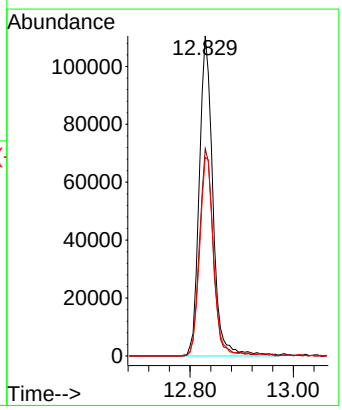




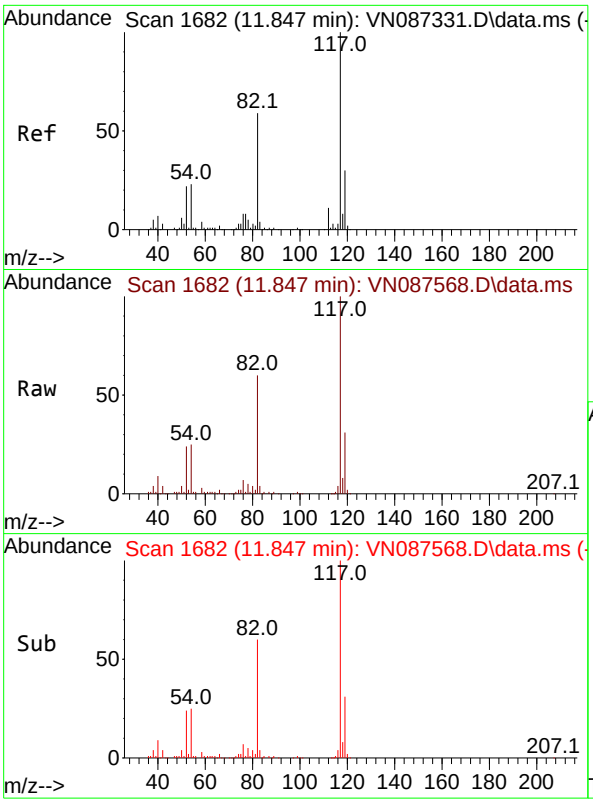
#62
4-Bromofluorobenzene
Concen: 45.470 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087568.D
Acq: 14 Aug 2025 16:04

Tgt Ion: 95 Resp: 201626

Ion	Ratio	Lower	Upper
95	100		
174	65.3	0.0	149.4
176	63.8	0.0	141.2



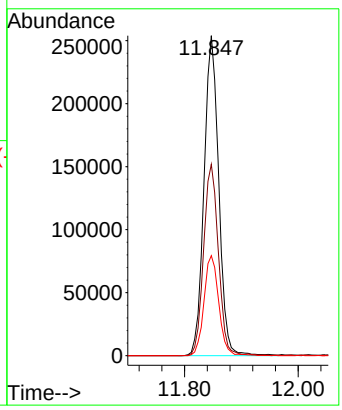
Instrument :
MSVOA_N
ClientSampleId :
MW-17B-55.5-081225

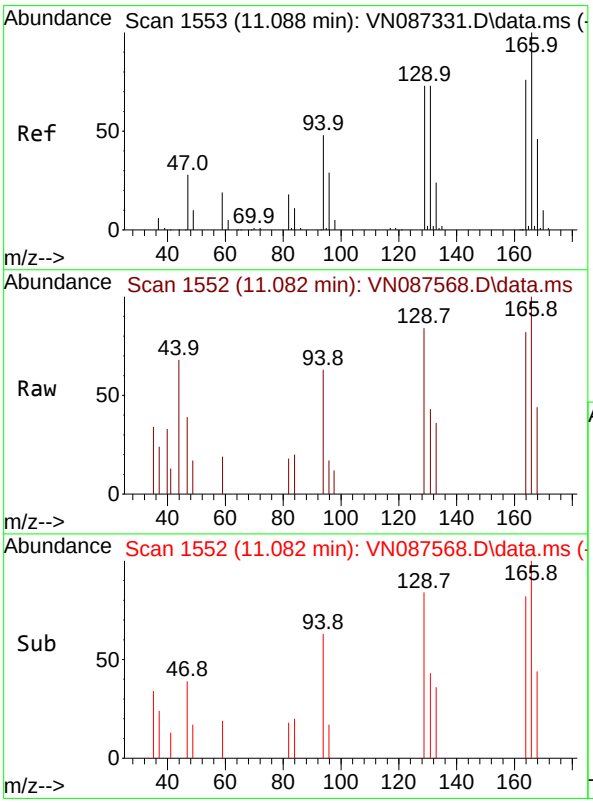


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087568.D
Acq: 14 Aug 2025 16:04

Tgt Ion:117 Resp: 455235

Ion	Ratio	Lower	Upper
117	100		
82	59.8	47.4	71.2
119	31.3	23.8	35.8

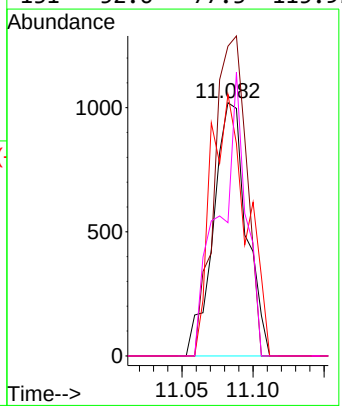


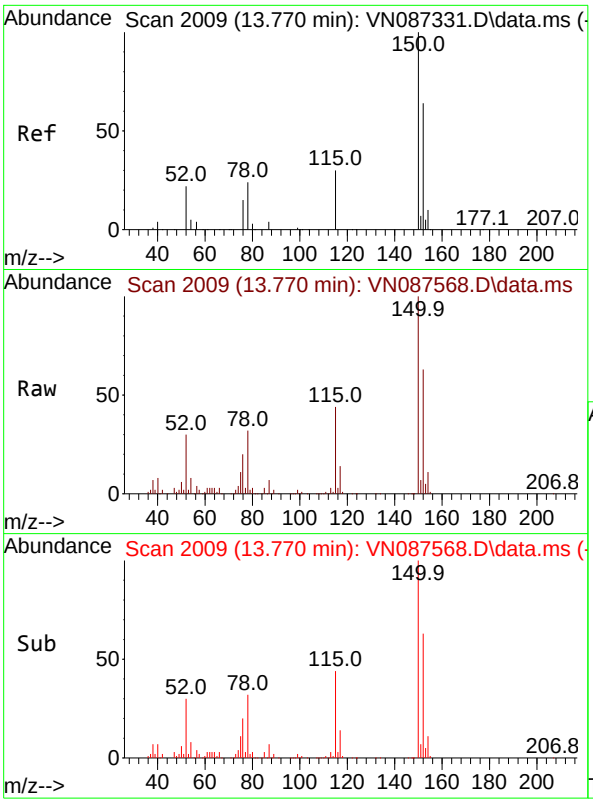


#64
Tetrachloroethene
Concen: 0.563 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. -0.006 min
Lab File: VN087568.D
Acq: 14 Aug 2025 16:04

Tgt Ion:164 Resp: 1650

Ion	Ratio	Lower	Upper
164	100		
166	122.4	105.5	158.3
129	103.2	77.4	116.2
131	52.6	77.3	115.9#



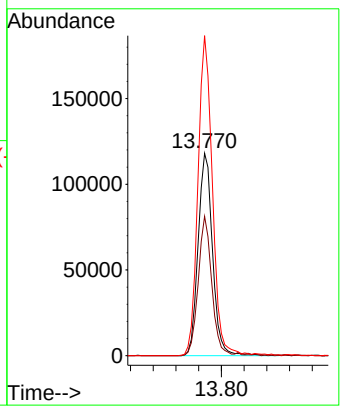


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN087568.D
Acq: 14 Aug 2025 16:04

Instrument :
MSVOA_N
ClientSampleId :
MW-17B-55.5-081225

Tgt Ion:152 Resp: 209426

Ion	Ratio	Lower	Upper
152	100		
115	64.3	31.1	93.5
150	157.1	0.0	349.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087565.D
Acq On : 14 Aug 2025 14:58
Operator : JC\MD
Sample : Q2842-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB01-081225

Quant Time: Aug 14 15:25:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

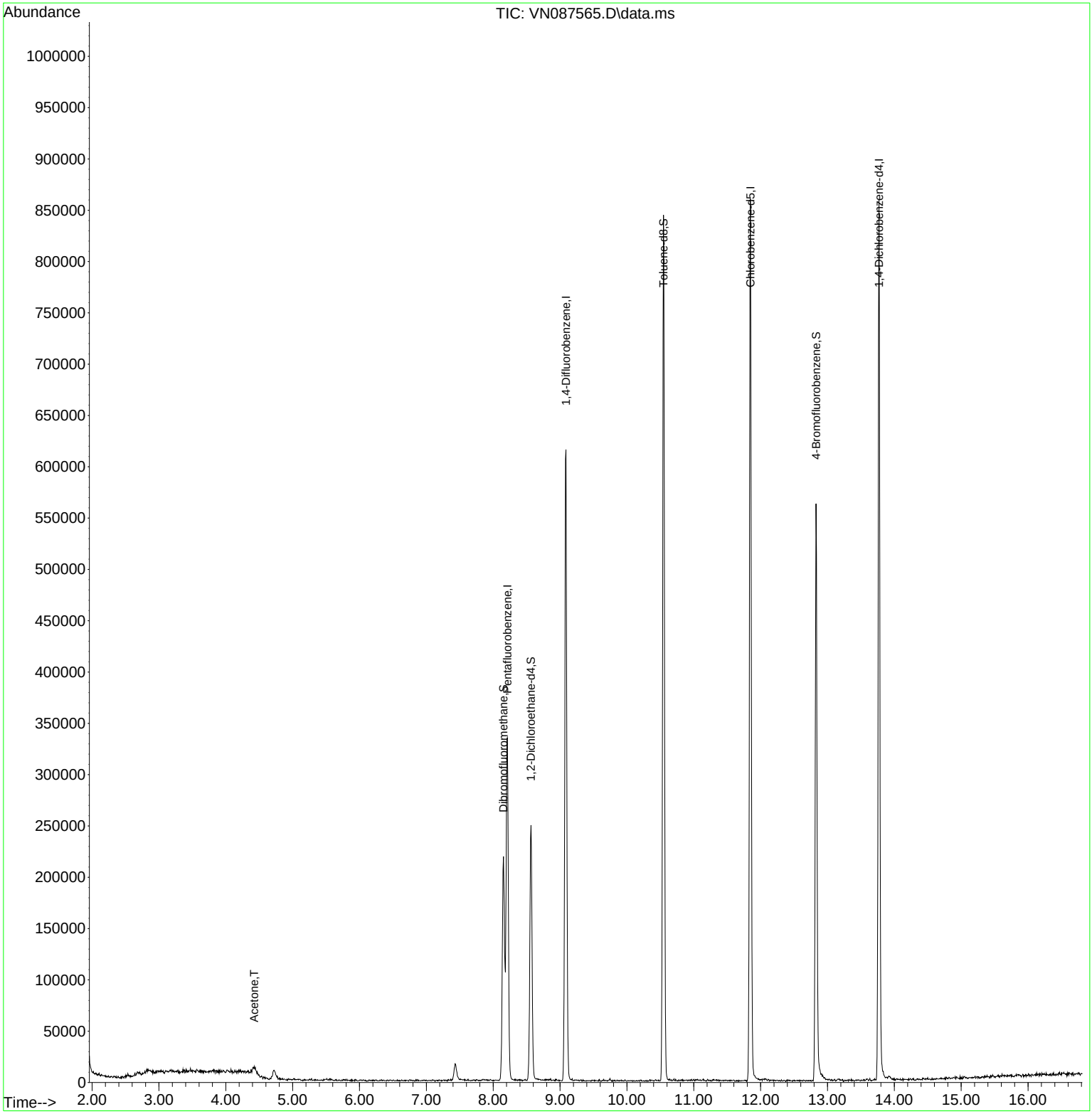
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.212	168	224412	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.088	114	498664	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	458661	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	214662	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	209873	55.117	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.240%			
35) Dibromofluoromethane	8.153	113	154326	44.865	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 89.740%			
50) Toluene-d8	10.547	98	559384	45.589	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 91.180%			
62) 4-Bromofluorobenzene	12.829	95	200248	44.173	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 88.340%			
Target Compounds						Qvalue
16) Acetone	4.424	43	8905	4.988	ug/l #	88

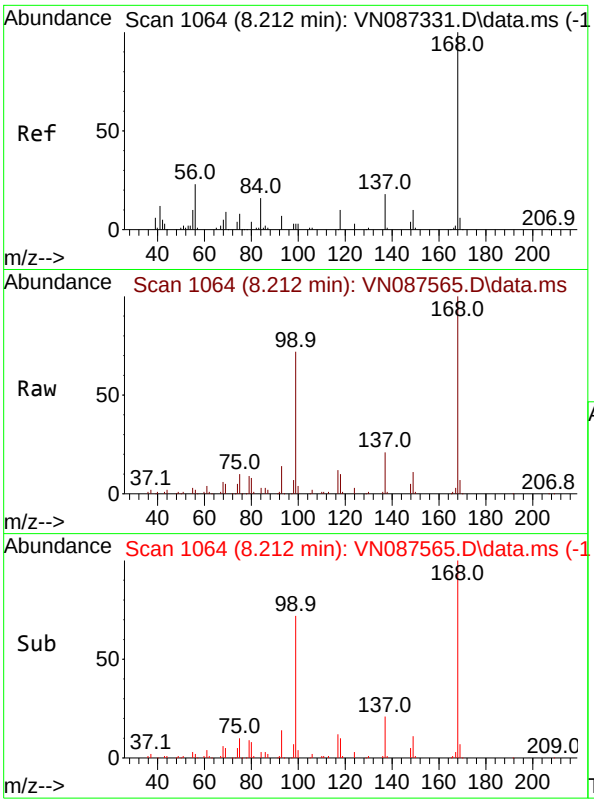
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087565.D
Acq On : 14 Aug 2025 14:58
Operator : JC\MD
Sample : Q2842-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB01-081225

Quant Time: Aug 14 15:25:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration



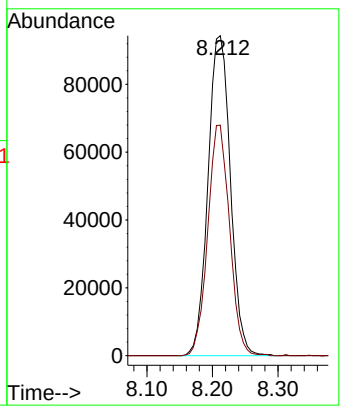


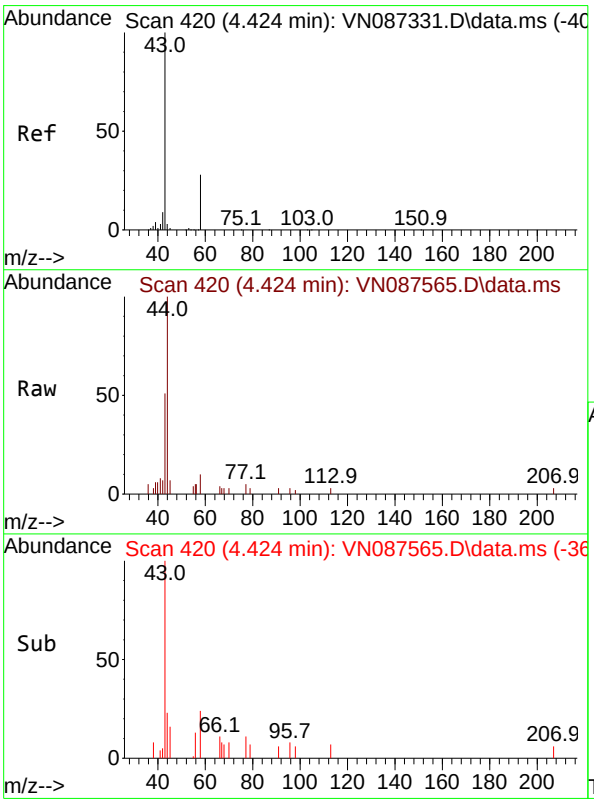
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087565.D
Acq: 14 Aug 2025 14:58

Instrument :
MSVOA_N
ClientSampleId :
TB01-081225

Tgt Ion:168 Resp: 224412

Ion	Ratio	Lower	Upper
168	100		
99	72.0	47.9	71.9#

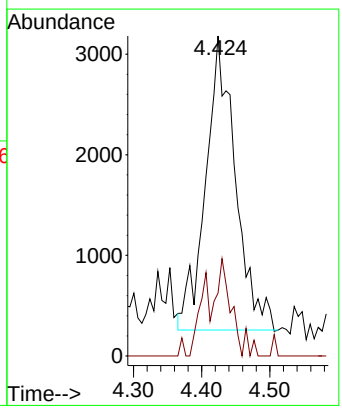


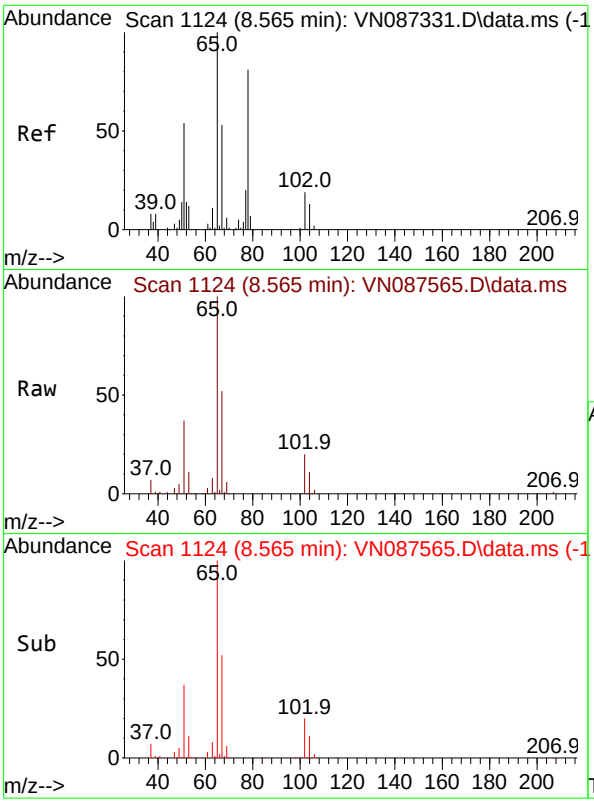


#16
Acetone
Concen: 4.988 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN087565.D
Acq: 14 Aug 2025 14:58

Tgt Ion: 43 Resp: 8905

Ion	Ratio	Lower	Upper
43	100		
58	21.4	22.3	33.5#



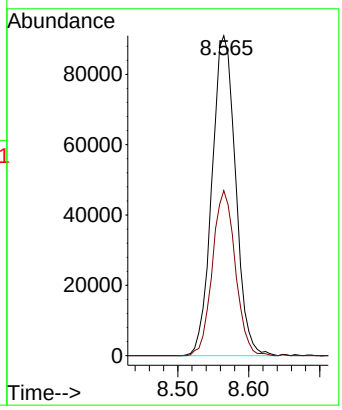


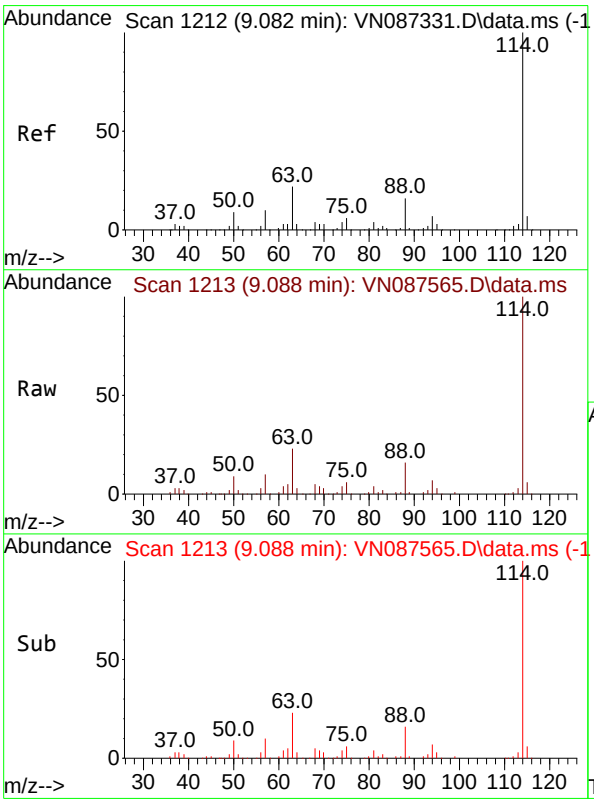
#33
1,2-Dichloroethane-d4
Concen: 55.117 ug/l
RT: 8.565 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087565.D
Acq: 14 Aug 2025 14:58

Instrument :
MSVOA_N
ClientSampleId :
TB01-081225

Tgt Ion: 65 Resp: 209873

Ion	Ratio	Lower	Upper
65	100		
67	50.1	0.0	104.0

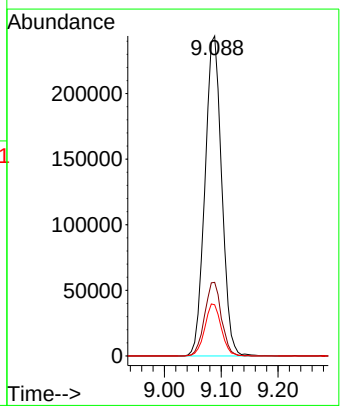


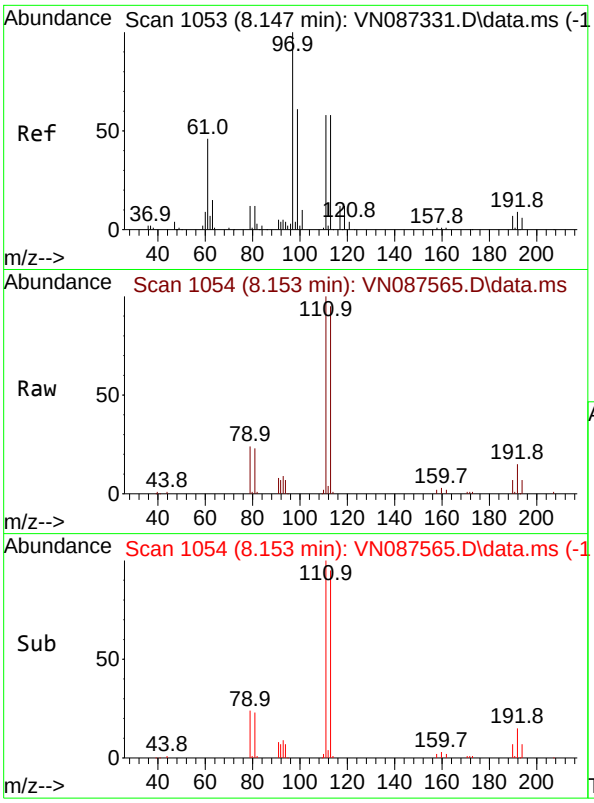


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.088 min Scan# 1213
Delta R.T. 0.006 min
Lab File: VN087565.D
Acq: 14 Aug 2025 14:58

Tgt Ion:114 Resp: 498664

Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	44.6
88	16.0	0.0	32.8



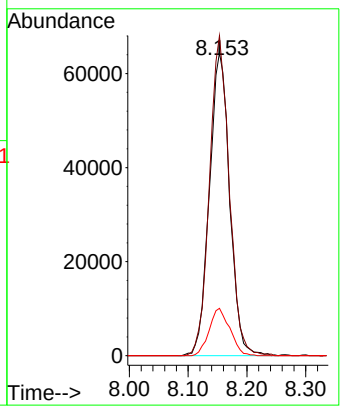


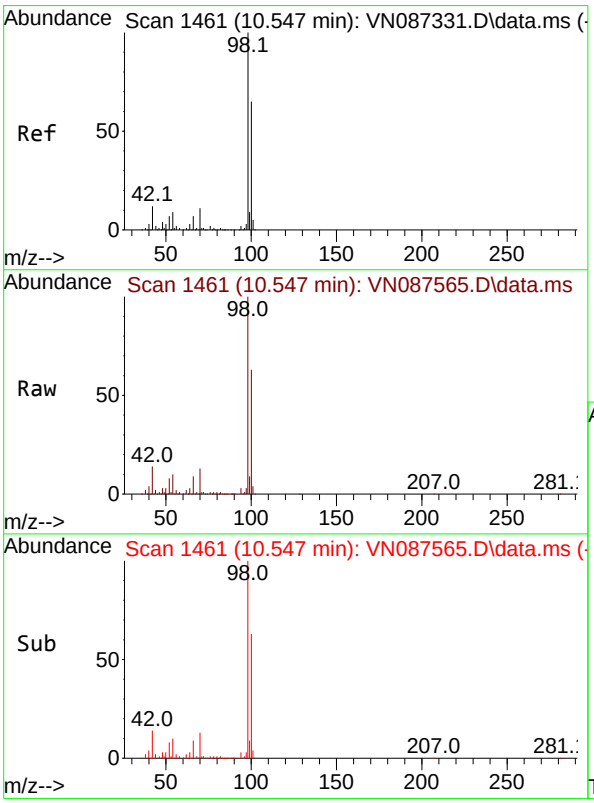
#35
Dibromofluoromethane
Concen: 44.865 ug/l
RT: 8.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087565.D
Acq: 14 Aug 2025 14:58

Instrument :
MSVOA_N
ClientSampleId :
TB01-081225

Tgt Ion:113 Resp: 154326

Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.5	123.7
192	15.9	13.7	20.5

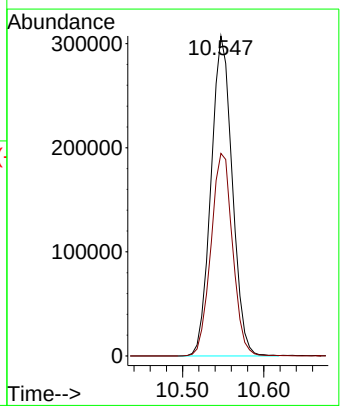




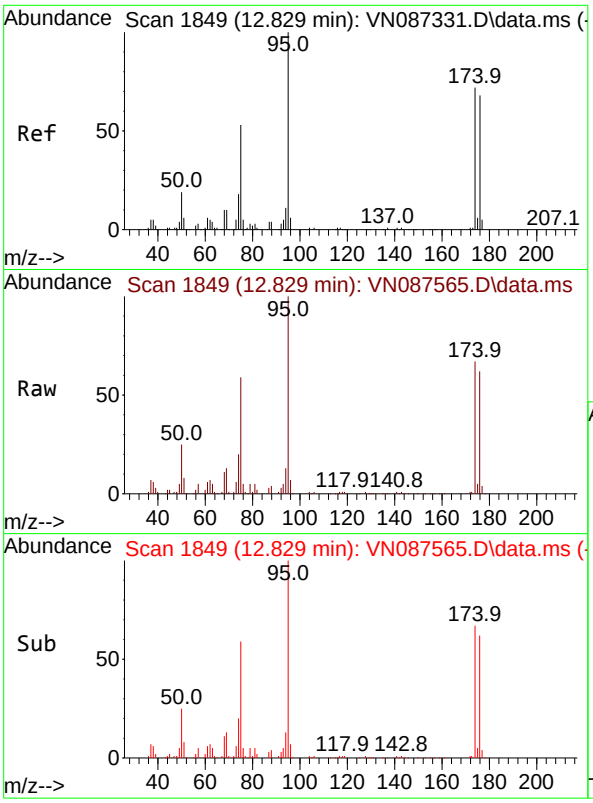
#50
Toluene-d8
Concen: 45.589 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087565.D
Acq: 14 Aug 2025 14:58

Tgt Ion: 98 Resp: 559384

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.1	78.1



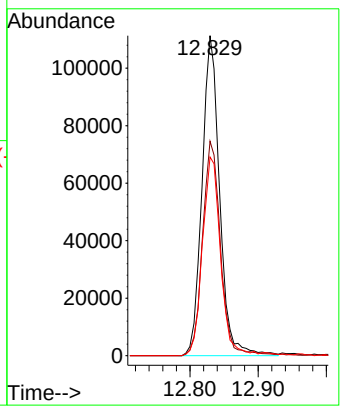
Instrument :
MSVOA_N
ClientSampleId :
TB01-081225

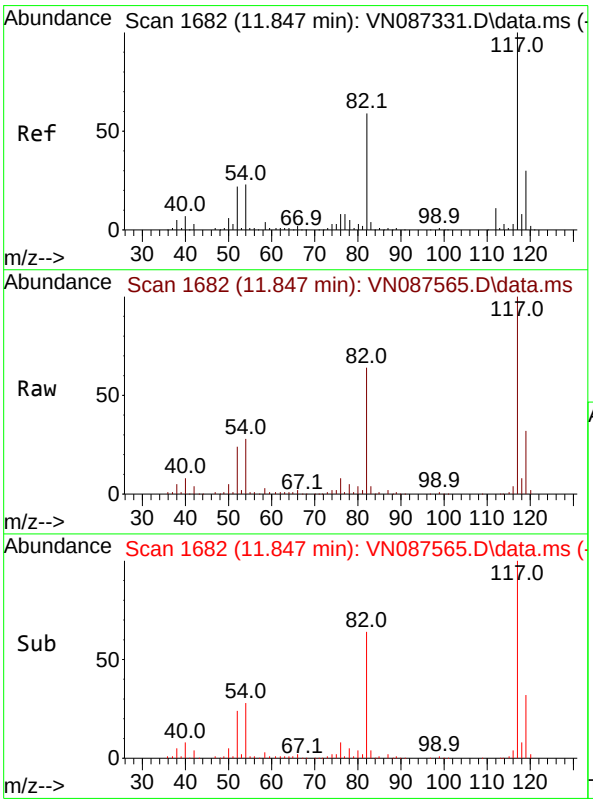


#62
4-Bromofluorobenzene
Concen: 44.173 ug/l
RT: 12.829 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087565.D
Acq: 14 Aug 2025 14:58

Tgt Ion: 95 Resp: 200248

Ion	Ratio	Lower	Upper
95	100		
174	68.6	0.0	149.4
176	63.7	0.0	141.2

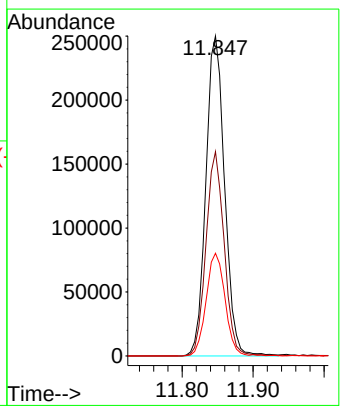


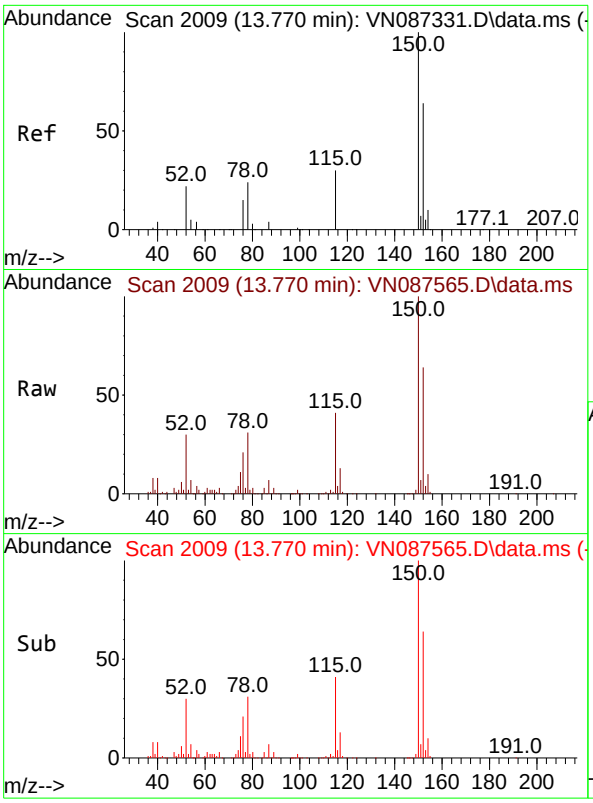


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VN087565.D
Acq: 14 Aug 2025 14:58

Tgt Ion:117 Resp: 458661

Ion	Ratio	Lower	Upper
117	100		
82	63.8	47.4	71.2
119	32.1	23.8	35.8



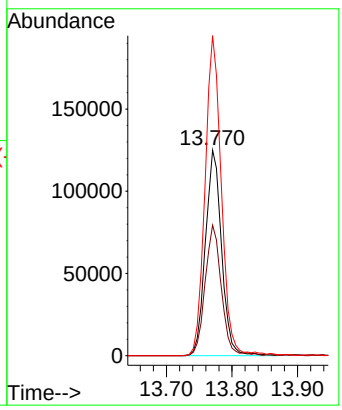


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN087565.D
Acq: 14 Aug 2025 14:58

Instrument :
MSVOA_N
ClientSampleId :
TB01-081225

Tgt Ion:152 Resp: 214662

Ion	Ratio	Lower	Upper
152	100		
115	64.0	31.1	93.5
150	156.9	0.0	349.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087554.D
Acq On : 14 Aug 2025 10:32
Operator : JC\MD
Sample : VN0814WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBL01

Quant Time: Aug 14 15:23:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

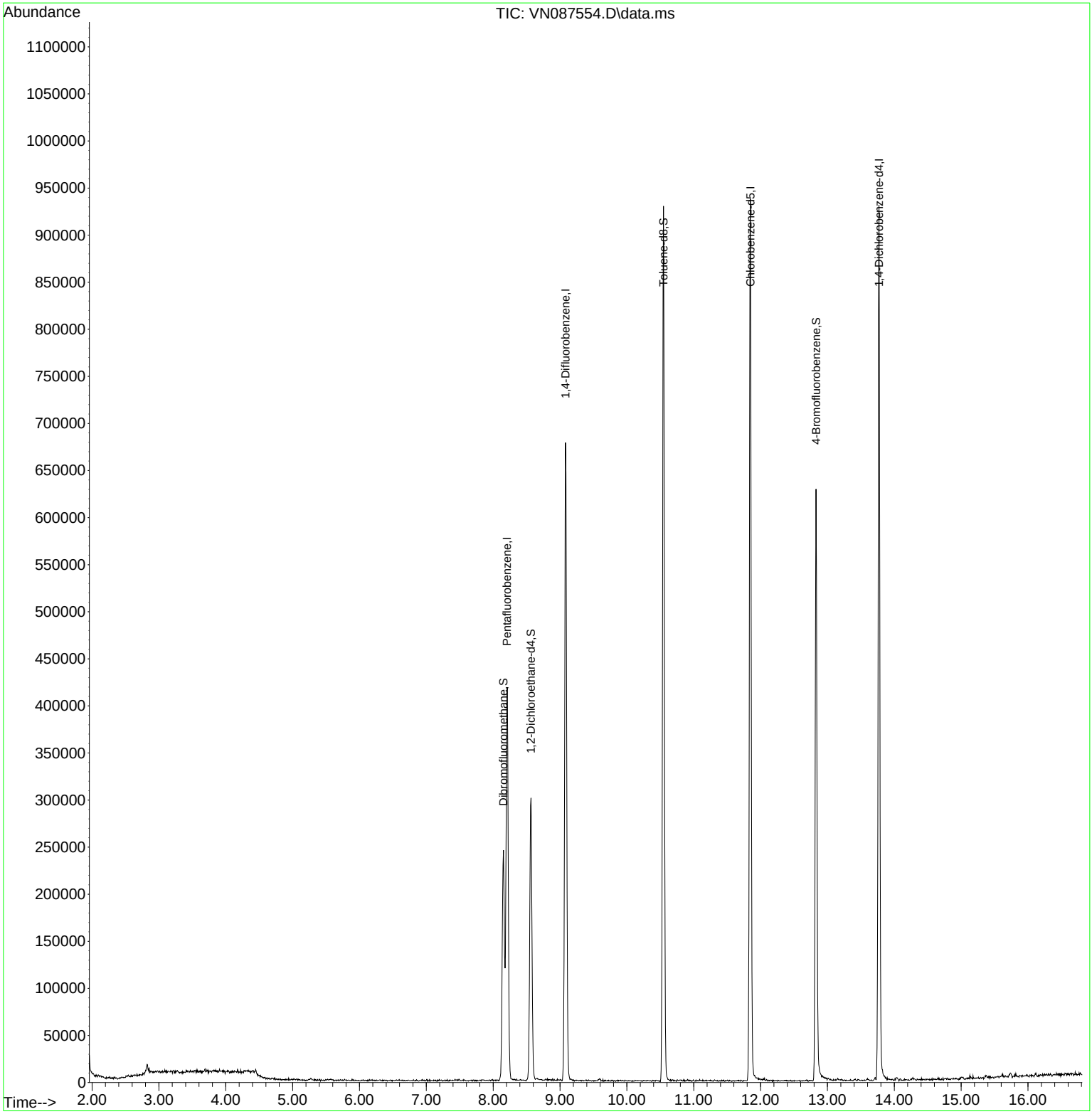
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	284398	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	560321	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	503771	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	234765	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	255137	52.871	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.740%			
35) Dibromofluoromethane	8.153	113	170840	44.201	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 88.400%			
50) Toluene-d8	10.547	98	608969	44.169	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 88.340%			
62) 4-Bromofluorobenzene	12.829	95	222642	43.709	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 87.420%			
Target Compounds						Qvalue

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087554.D
Acq On : 14 Aug 2025 10:32
Operator : JC\MD
Sample : VN0814WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

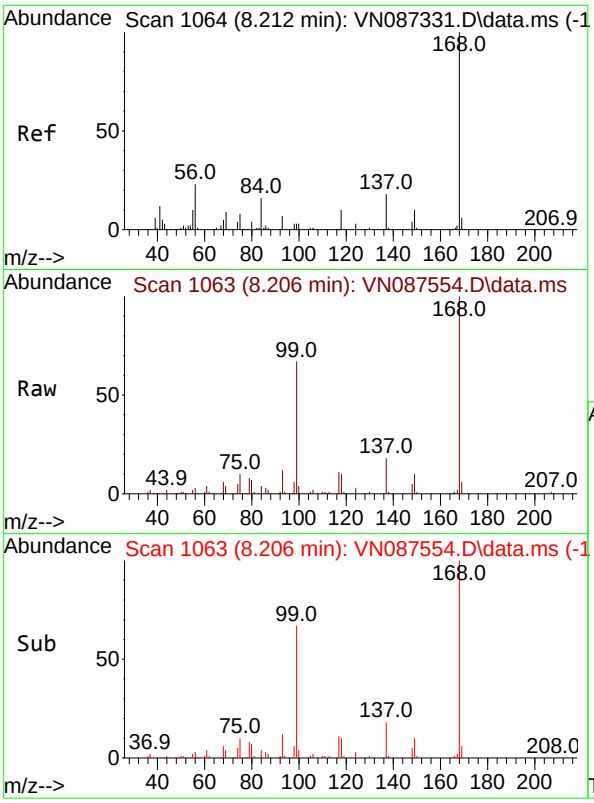
Instrument :
MSVOA_N
ClientSampleId :
VN0814WBL01

Quant Time: Aug 14 15:23:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration



5

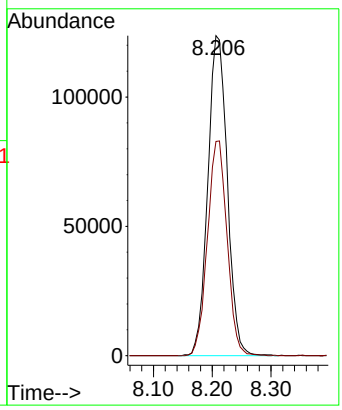
Instrument :
MSVOA_N
ClientSampleId :
VN0814WBL01

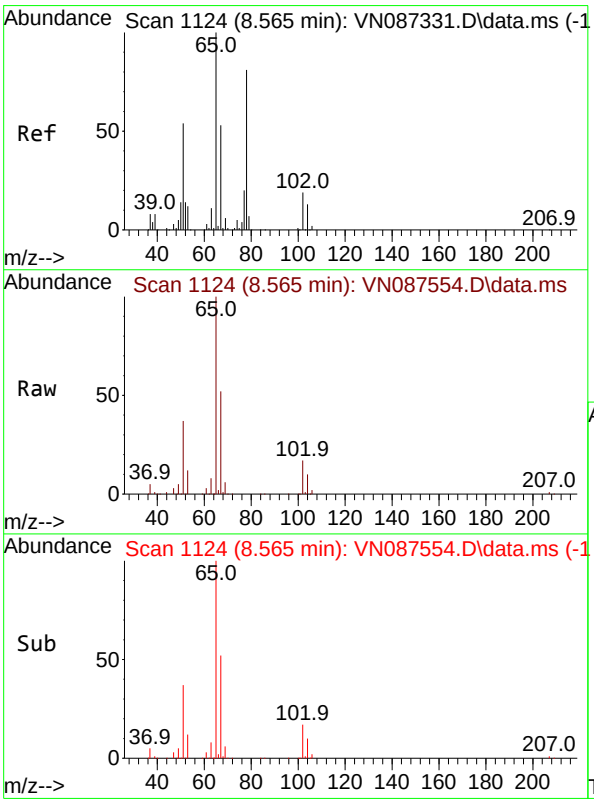


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087554.D
Acq: 14 Aug 2025 10:32

Tgt Ion:168 Resp: 284398

Ion	Ratio	Lower	Upper
168	100		
99	67.0	47.9	71.9

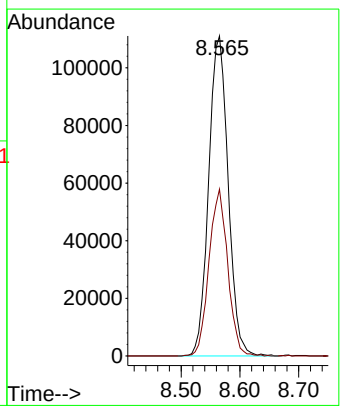


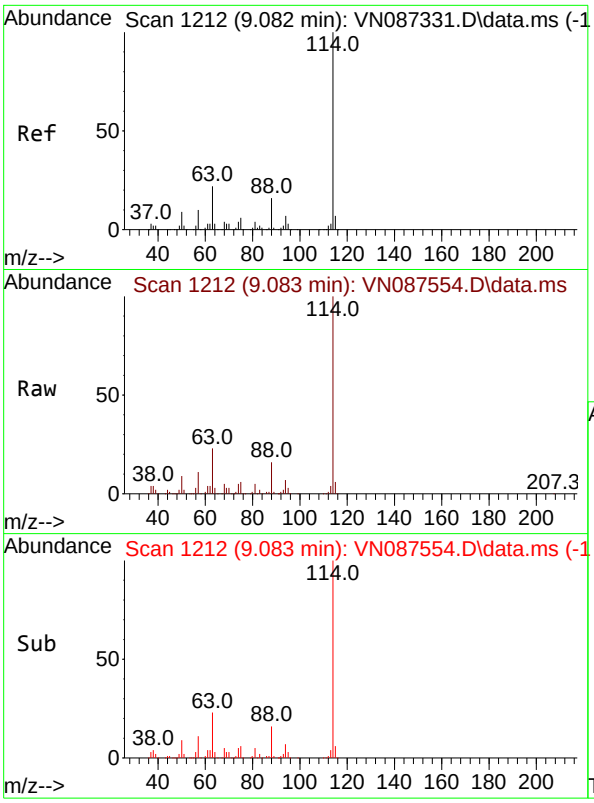


#33
1,2-Dichloroethane-d4
Concen: 52.871 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087554.D
Acq: 14 Aug 2025 10:32

Tgt Ion: 65 Resp: 255137

Ion	Ratio	Lower	Upper
65	100		
67	50.2	0.0	104.0



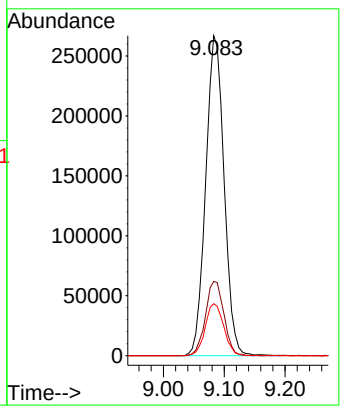


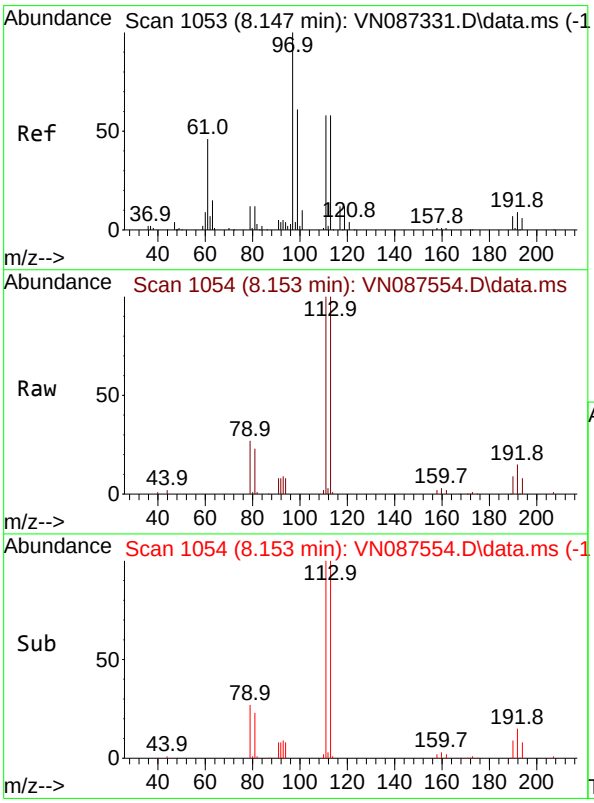
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 1
Delta R.T. 0.001 min
Lab File: VN087554.D
Acq: 14 Aug 2025 10:32

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBL01

Tgt Ion:114 Resp: 560321

Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	44.6
88	16.3	0.0	32.8

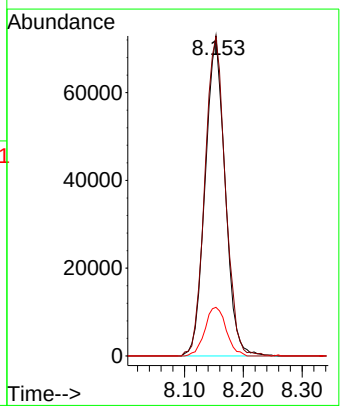


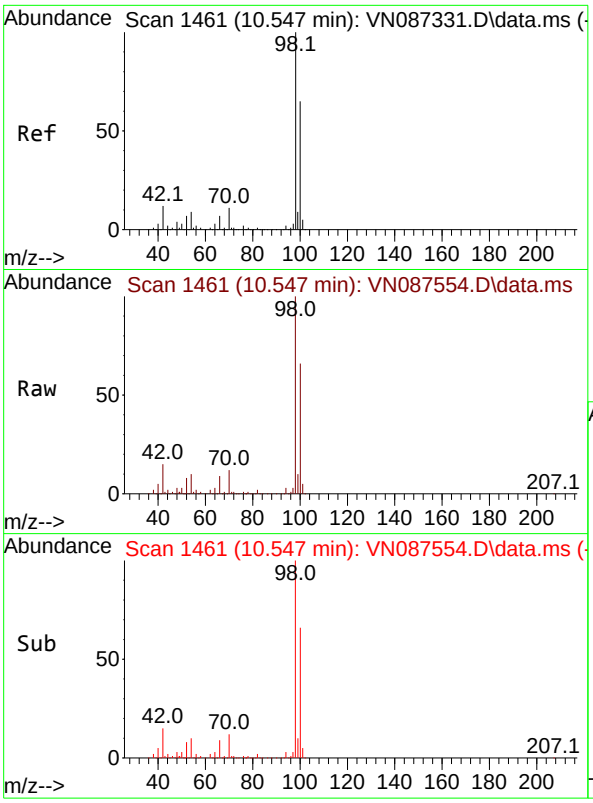


#35
Dibromofluoromethane
Concen: 44.201 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VN087554.D
Acq: 14 Aug 2025 10:32

Tgt Ion:113 Resp: 170840

Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.5	123.7
192	16.3	13.7	20.5



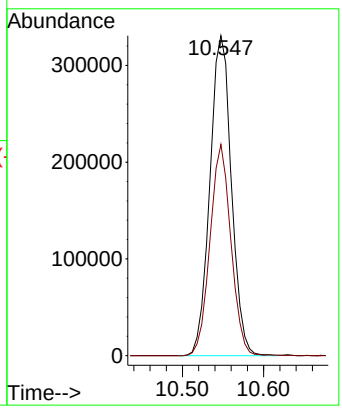


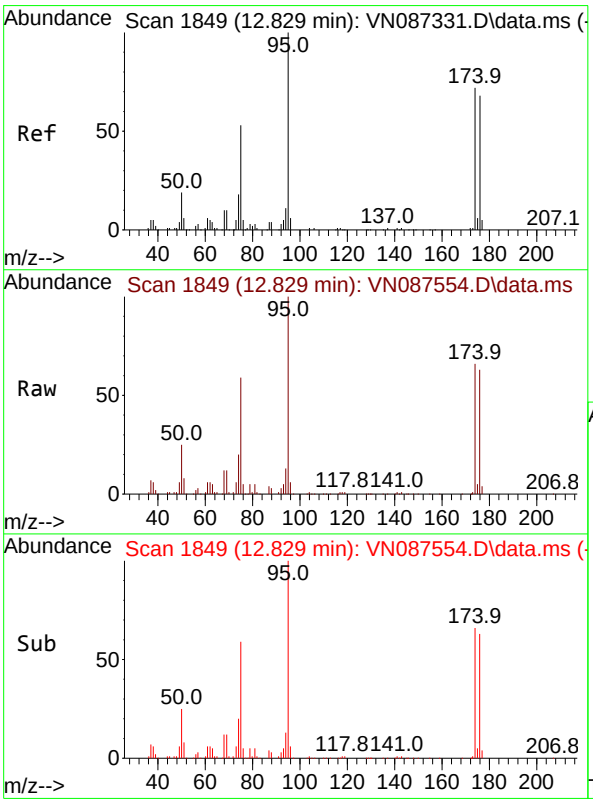
#50
Toluene-d8
Concen: 44.169 ug/l
RT: 10.547 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN087554.D
Acq: 14 Aug 2025 10:32

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBL01

Tgt Ion: 98 Resp: 608969

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.1	78.1

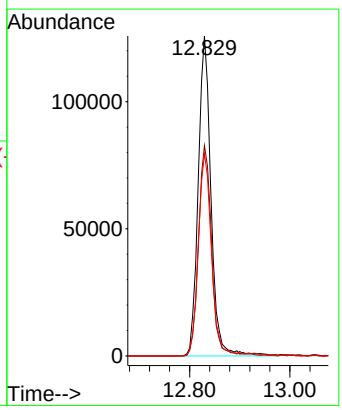


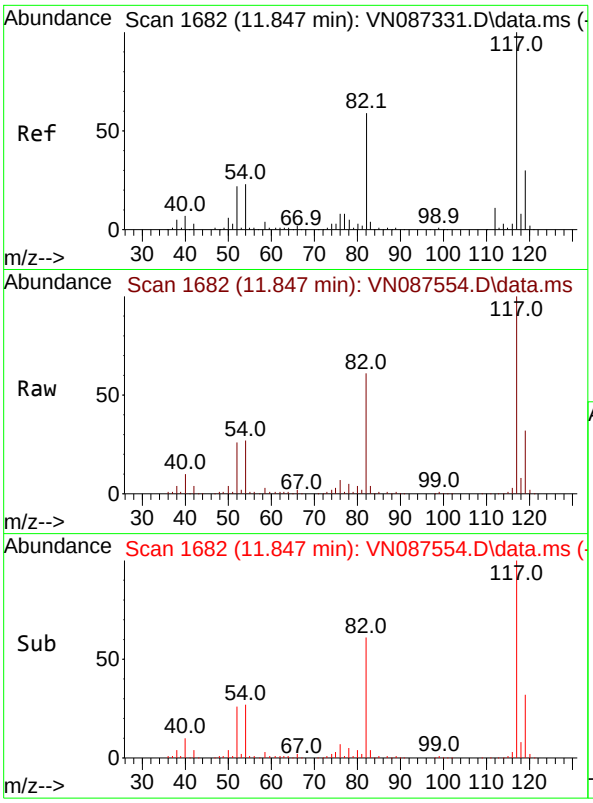


#62
4-Bromofluorobenzene
Concen: 43.709 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087554.D
Acq: 14 Aug 2025 10:32

Tgt Ion: 95 Resp: 222642

Ion	Ratio	Lower	Upper
95	100		
174	66.5	0.0	149.4
176	64.9	0.0	141.2



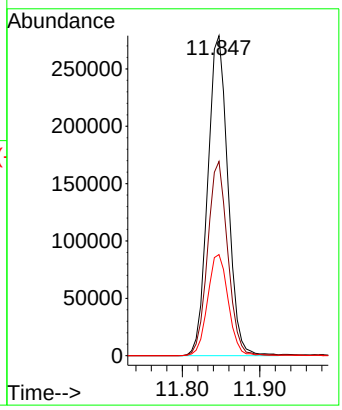


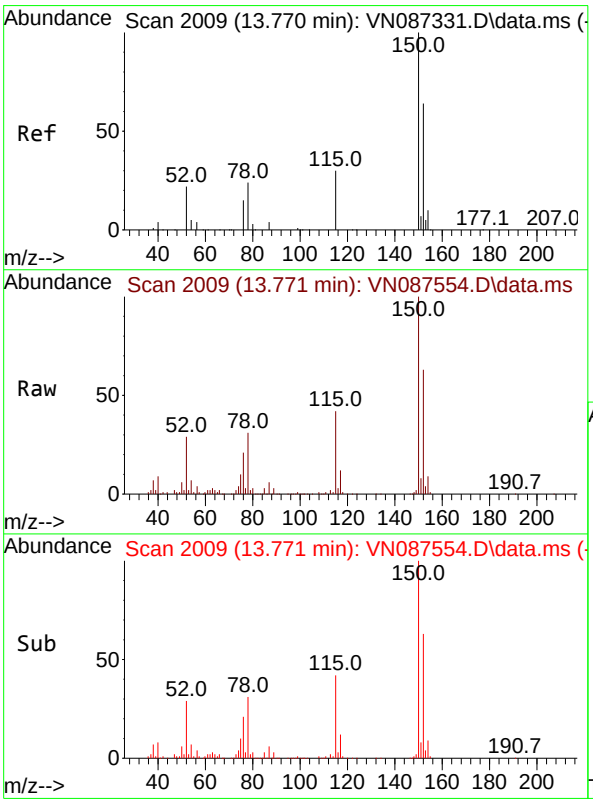
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087554.D
Acq: 14 Aug 2025 10:32

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBL01

Tgt Ion:117 Resp: 503771

Ion	Ratio	Lower	Upper
117	100		
82	60.7	47.4	71.2
119	31.6	23.8	35.8

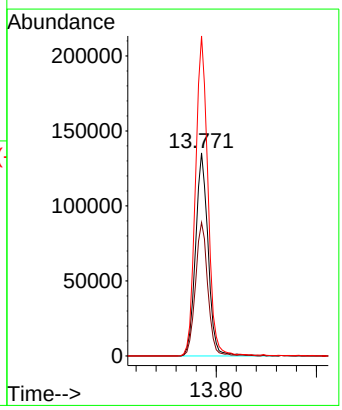




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087554.D
Acq: 14 Aug 2025 10:32

Tgt Ion:152 Resp: 234765

Ion	Ratio	Lower	Upper
152	100		
115	64.5	31.1	93.5
150	156.1	0.0	349.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087555.D
Acq On : 14 Aug 2025 11:07
Operator : JC\MD
Sample : VN0814WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 14 15:23:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	250453	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	485218	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	446518	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	221983	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	244982	57.648	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.300%			
35) Dibromofluoromethane	8.153	113	169668	50.692	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.380%			
50) Toluene-d8	10.547	98	605258	50.695	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.380%			
62) 4-Bromofluorobenzene	12.829	95	233458	52.926	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.860%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	60972	22.921	ug/l	92
3) Chloromethane	2.383	50	64803	19.372	ug/l	100
4) Vinyl Chloride	2.542	62	71080	21.381	ug/l	99
5) Bromomethane	2.983	94	38871	22.579	ug/l	96
6) Chloroethane	3.136	64	47553	21.934	ug/l	92
7) Trichlorofluoromethane	3.506	101	103028	20.959	ug/l	98
8) Diethyl Ether	3.965	74	45341	23.778	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.359	101	56020	22.200	ug/l	96
10) Methyl Iodide	4.571	142	33911	17.223	ug/l	89
11) Tert butyl alcohol	5.530	59	92129	114.174	ug/l	97
12) 1,1-Dichloroethene	4.336	96	58932	20.609	ug/l	91
13) Acrolein	4.177	56	52972	81.801	ug/l	95
14) Allyl chloride	5.012	41	106153	20.512	ug/l	91
15) Acrylonitrile	5.706	53	228245	104.238	ug/l	97
16) Acetone	4.430	43	234225	117.551	ug/l	98
17) Carbon Disulfide	4.700	76	152230	17.956	ug/l	97
18) Methyl Acetate	5.024	43	120344	24.040	ug/l	98
19) Methyl tert-butyl Ether	5.794	73	247283	23.461	ug/l	98
20) Methylene Chloride	5.259	84	73232	21.375	ug/l	96
21) trans-1,2-Dichloroethene	5.777	96	62532	19.394	ug/l	92
22) Diisopropyl ether	6.659	45	247597	22.809	ug/l	95
23) Vinyl Acetate	6.588	43	1129441	118.964	ug/l	100
24) 1,1-Dichloroethane	6.559	63	135050	21.564	ug/l	97
25) 2-Butanone	7.477	43	332813	108.103	ug/l	95
26) 2,2-Dichloropropane	7.477	77	115630	23.748	ug/l	97
27) cis-1,2-Dichloroethene	7.477	96	78759	21.217	ug/l	94
28) Bromochloromethane	7.800	49	75409	25.159	ug/l	95
29) Tetrahydrofuran	7.829	42	208941	104.471	ug/l	98
30) Chloroform	7.953	83	140698	22.445	ug/l	99
31) Cyclohexane	8.241	56	111696	21.380	ug/l	97
32) 1,1,1-Trichloroethane	8.153	97	115982	21.362	ug/l	96
36) 1,1-Dichloropropene	8.353	75	90752	20.523	ug/l	97
37) Ethyl Acetate	7.547	43	131078	20.524	ug/l	98
38) Carbon Tetrachloride	8.347	117	93434	19.181	ug/l	96
39) Methylcyclohexane	9.582	83	96372	20.130	ug/l	93
40) Benzene	8.588	78	289566	20.261	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087555.D
Acq On : 14 Aug 2025 11:07
Operator : JC\MD
Sample : VN0814WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 14 15:23:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	66759	19.992	ug/l		95
42) 1,2-Dichloroethane	8.659	62	116694	21.531	ug/l		97
43) Isopropyl Acetate	8.676	43	215090	21.696	ug/l		98
44) Trichloroethene	9.335	130	64743	19.172	ug/l		82
45) 1,2-Dichloropropane	9.606	63	74233	20.442	ug/l		94
46) Dibromomethane	9.688	93	56540	20.795	ug/l		94
47) Bromodichloromethane	9.871	83	112437	20.530	ug/l		99
48) Methyl methacrylate	9.665	41	98225	22.008	ug/l		95
49) 1,4-Dioxane	9.688	88	30568	447.176	ug/l	#	100
51) 4-Methyl-2-Pentanone	10.429	43	661207	105.450	ug/l		98
52) Toluene	10.612	92	177586	20.443	ug/l		97
53) t-1,3-Dichloropropene	10.818	75	116338	20.990	ug/l		99
54) cis-1,3-Dichloropropene	10.294	75	116909	20.420	ug/l	#	82
55) 1,1,2-Trichloroethane	10.994	97	72631	20.652	ug/l		92
56) Ethyl methacrylate	10.859	69	120174	21.091	ug/l	#	93
57) 1,3-Dichloropropane	11.141	76	128302	21.100	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.141	63	328582	113.893	ug/l		98
59) 2-Hexanone	11.182	43	431325	103.681	ug/l		98
60) Dibromochloromethane	11.335	129	76256	19.012	ug/l		98
61) 1,2-Dibromoethane	11.447	107	75775	20.492	ug/l		95
64) Tetrachloroethene	11.088	164	51988	18.090	ug/l		94
65) Chlorobenzene	11.870	112	192917	19.244	ug/l		93
66) 1,1,1,2-Tetrachloroethane	11.941	131	65609	19.247	ug/l		97
67) Ethyl Benzene	11.947	91	336124	20.367	ug/l		98
68) m/p-Xylenes	12.053	106	249595	40.389	ug/l		94
69) o-Xylene	12.376	106	119950	20.320	ug/l		93
70) Styrene	12.394	104	205053	20.649	ug/l		96
71) Bromoform	12.559	173	48296	17.538	ug/l	#	99
73) Isopropylbenzene	12.676	105	314281	22.495	ug/l		97
74) N-amyl acetate	12.535	43	108512m	18.694	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.923	83	115038	21.882	ug/l		99
76) 1,2,3-Trichloropropane	12.976	75	100267m	20.143	ug/l		
77) Bromobenzene	12.959	156	73544	20.297	ug/l		91
78) n-propylbenzene	13.017	91	389520	22.160	ug/l		99
79) 2-Chlorotoluene	13.106	91	241476	22.353	ug/l		94
80) 1,3,5-Trimethylbenzene	13.153	105	262222	22.029	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.723	75	32197	17.698	ug/l		91
82) 4-Chlorotoluene	13.200	91	250722	22.292	ug/l		95
83) tert-Butylbenzene	13.417	119	222918	22.422	ug/l		96
84) 1,2,4-Trimethylbenzene	13.464	105	269488	22.169	ug/l		99
85) sec-Butylbenzene	13.594	105	329434	21.998	ug/l		99
86) p-Isopropyltoluene	13.706	119	272080	22.671	ug/l		97
87) 1,3-Dichlorobenzene	13.711	146	145480	20.458	ug/l		98
88) 1,4-Dichlorobenzene	13.794	146	150121	19.766	ug/l		97
89) n-Butylbenzene	14.035	91	270370	23.593	ug/l		98
90) Hexachloroethane	14.311	117	49037	19.285	ug/l		96
91) 1,2-Dichlorobenzene	14.088	146	138916	20.620	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.700	75	27318	19.792	ug/l		92
93) 1,2,4-Trichlorobenzene	15.364	180	83245	21.036	ug/l		99
94) Hexachlorobutadiene	15.476	225	31065	21.127	ug/l		99
95) Naphthalene	15.617	128	298554	21.296	ug/l		99
96) 1,2,3-Trichlorobenzene	15.811	180	78959	19.891	ug/l		95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087555.D
Acq On : 14 Aug 2025 11:07
Operator : JC\MD
Sample : VN0814WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 14 15:23:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

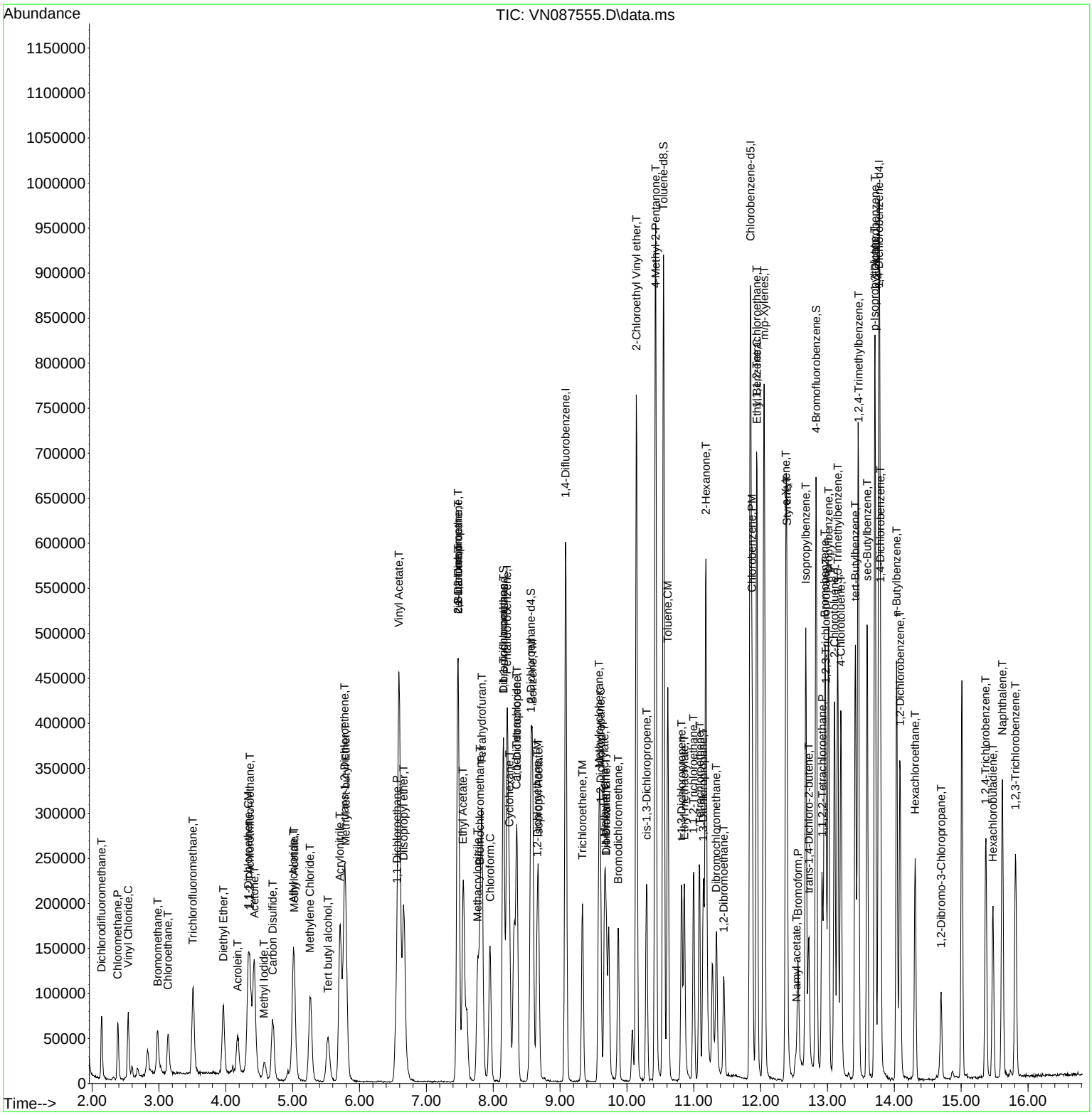
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087555.D
Acq On : 14 Aug 2025 11:07
Operator : JC\MD
Sample : VN0814WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 14 15:23:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087569.D
Acq On : 14 Aug 2025 16:27
Operator : JC\MD
Sample : Q2842-04MS 100X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 14 19:59:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
MW-17B-55.5-081225MS

Manual Integrations APPROVED

Reviewed By :John Carlone 08/15/2025
Supervised By :Mahesh Dadoda 08/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	238067	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.083	114	461160	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	435202	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	231778	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	217494	53.842	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.680%			
35) Dibromofluoromethane	8.153	113	152403	47.909	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.820%			
50) Toluene-d8	10.547	98	543343	47.883	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.760%			
62) 4-Bromofluorobenzene	12.829	95	216897	51.737	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	143419	56.720	ug/l	100
3) Chloromethane	2.383	50	152078	47.827	ug/l	100
4) Vinyl Chloride	2.542	62	169468	53.629	ug/l	95
5) Bromomethane	2.971	94	89339	54.595	ug/l	96
6) Chloroethane	3.136	64	114275	55.452	ug/l	97
7) Trichlorofluoromethane	3.501	101	253745	54.304	ug/l	97
8) Diethyl Ether	3.965	74	112077	61.834	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.359	101	138606	57.785	ug/l	95
10) Methyl Iodide	4.577	142	91710	38.610	ug/l	91
11) Tert butyl alcohol	5.536	59	219902	286.700	ug/l	100
12) 1,1-Dichloroethene	4.330	96	140041	51.521	ug/l	99
13) Acrolein	4.177	56	135355	219.895	ug/l	99
14) Allyl chloride	5.012	41	254609	51.759	ug/l	94
15) Acrylonitrile	5.712	53	562090	270.058	ug/l	98
16) Acetone	4.430	43	530238	279.957	ug/l	98
17) Carbon Disulfide	4.700	76	356757	44.270	ug/l #	93
18) Methyl Acetate	5.018	43	302650	63.602	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	601237	60.011	ug/l	96
20) Methylene Chloride	5.265	84	169920	53.111	ug/l	99
21) trans-1,2-Dichloroethene	5.771	96	153170	49.977	ug/l	93
22) Diisopropyl ether	6.659	45	612749	59.384	ug/l	97
23) Vinyl Acetate	6.594	43	2775483	307.552	ug/l	99
24) 1,1-Dichloroethane	6.553	63	318408	53.488	ug/l	98
25) 2-Butanone	7.471	43	850355	290.579	ug/l	98
26) 2,2-Dichloropropane	7.471	77	249304	53.865	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	284580	80.651	ug/l	97
28) Bromochloromethane	7.800	49	143451	50.351	ug/l	93
29) Tetrahydrofuran	7.830	42	541901	285.049	ug/l	99
30) Chloroform	7.953	83	341066	57.240	ug/l	99
31) Cyclohexane	8.241	56	253936	51.134	ug/l	96
32) 1,1,1-Trichloroethane	8.153	97	279470	54.153	ug/l	97
36) 1,1-Dichloropropene	8.353	75	214559	51.052	ug/l	98
37) Ethyl Acetate	7.553	43	307770	50.705	ug/l	98
38) Carbon Tetrachloride	8.347	117	228035	49.255	ug/l	93
39) Methylcyclohexane	9.583	83	237505	52.198	ug/l	96
40) Benzene	8.588	78	696316	51.262	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087569.D
Acq On : 14 Aug 2025 16:27
Operator : JC\MD
Sample : Q2842-04MS 100X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 14 19:59:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
MW-17B-55.5-081225MS

Manual Integrations APPROVED

Reviewed By :John Carlone 08/15/2025
Supervised By :Mahesh Dadoda 08/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	175869	55.413	ug/l		98
42) 1,2-Dichloroethane	8.653	62	283996	55.133	ug/l		97
43) Isopropyl Acetate	8.677	43	532619	56.527	ug/l		97
44) Trichloroethene	9.335	130	321363	100.127	ug/l		88
45) 1,2-Dichloropropane	9.606	63	182390	52.845	ug/l		94
46) Dibromomethane	9.694	93	137378	53.162	ug/l		95
47) Bromodichloromethane	9.871	83	277559	53.324	ug/l		96
48) Methyl methacrylate	9.665	41	245497	57.875	ug/l		93
49) 1,4-Dioxane	9.688	88	69859	1075.274	ug/l	#	97
51) 4-Methyl-2-Pentanone	10.430	43	1677266	281.447	ug/l		98
52) Toluene	10.612	92	435684	52.770	ug/l		96
53) t-1,3-Dichloropropene	10.818	75	283224	53.765	ug/l		95
54) cis-1,3-Dichloropropene	10.294	75	296099	54.416	ug/l	#	88
55) 1,1,2-Trichloroethane	11.000	97	176388	52.770	ug/l		94
56) Ethyl methacrylate	10.859	69	305796	54.213	ug/l		93
57) 1,3-Dichloropropane	11.147	76	313150	54.186	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.141	63	584151	213.042	ug/l		99
59) 2-Hexanone	11.182	43	1146887	290.068	ug/l		100
60) Dibromochloromethane	11.341	129	195208	51.209	ug/l		99
61) 1,2-Dibromoethane	11.447	107	185145	52.680	ug/l		98
64) Tetrachloroethene	11.088	164	120472	43.011	ug/l		96
65) Chlorobenzene	11.871	112	472723	48.382	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.941	131	165027	49.672	ug/l		100
67) Ethyl Benzene	11.941	91	844688	52.514	ug/l		99
68) m/p-Xylenes	12.053	106	627919	104.251	ug/l		93
69) o-Xylene	12.376	106	307518	53.449	ug/l		94
70) Styrene	12.394	104	539497	55.741	ug/l		98
71) Bromoform	12.559	173	129055	48.082	ug/l	#	99
73) Isopropylbenzene	12.676	105	797605	54.677	ug/l		98
74) N-amyl acetate	12.500	43	204124	33.679	ug/l	#	93
75) 1,1,2,2-Tetrachloroethane	12.918	83	285137	51.946	ug/l		99
76) 1,2,3-Trichloropropane	12.976	75	244697m	47.080	ug/l		
77) Bromobenzene	12.959	156	183370	48.469	ug/l		91
78) n-propylbenzene	13.018	91	990768	53.982	ug/l		97
79) 2-Chlorotoluene	13.106	91	600287	53.218	ug/l		96
80) 1,3,5-Trimethylbenzene	13.153	105	686579	55.240	ug/l		96
81) trans-1,4-Dichloro-2-b...	12.718	75	87284	45.950	ug/l		93
82) 4-Chlorotoluene	13.200	91	625581	53.269	ug/l		97
83) tert-Butylbenzene	13.418	119	576103	55.497	ug/l		98
84) 1,2,4-Trimethylbenzene	13.459	105	715753	56.391	ug/l		95
85) sec-Butylbenzene	13.594	105	866181	55.396	ug/l		99
86) p-Isopropyltoluene	13.706	119	703516	56.143	ug/l		97
87) 1,3-Dichlorobenzene	13.712	146	370720	49.929	ug/l		99
88) 1,4-Dichlorobenzene	13.794	146	374267	47.195	ug/l		97
89) n-Butylbenzene	14.035	91	697153	58.265	ug/l		98
90) Hexachloroethane	14.312	117	126427	47.619	ug/l		93
91) 1,2-Dichlorobenzene	14.082	146	361117	51.338	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.700	75	69760	48.406	ug/l		95
93) 1,2,4-Trichlorobenzene	15.370	180	212082	51.328	ug/l		99
94) Hexachlorobutadiene	15.476	225	79123	51.536	ug/l		97
95) Naphthalene	15.617	128	789585	53.941	ug/l		99
96) 1,2,3-Trichlorobenzene	15.817	180	206242	49.760	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087569.D
Acq On : 14 Aug 2025 16:27
Operator : JC\MD
Sample : Q2842-04MS 100X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 14 19:59:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
MW-17B-55.5-081225MS

Manual Integrations APPROVED

Reviewed By :John Carlone 08/15/2025
Supervised By :Mahesh Dadoda 08/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

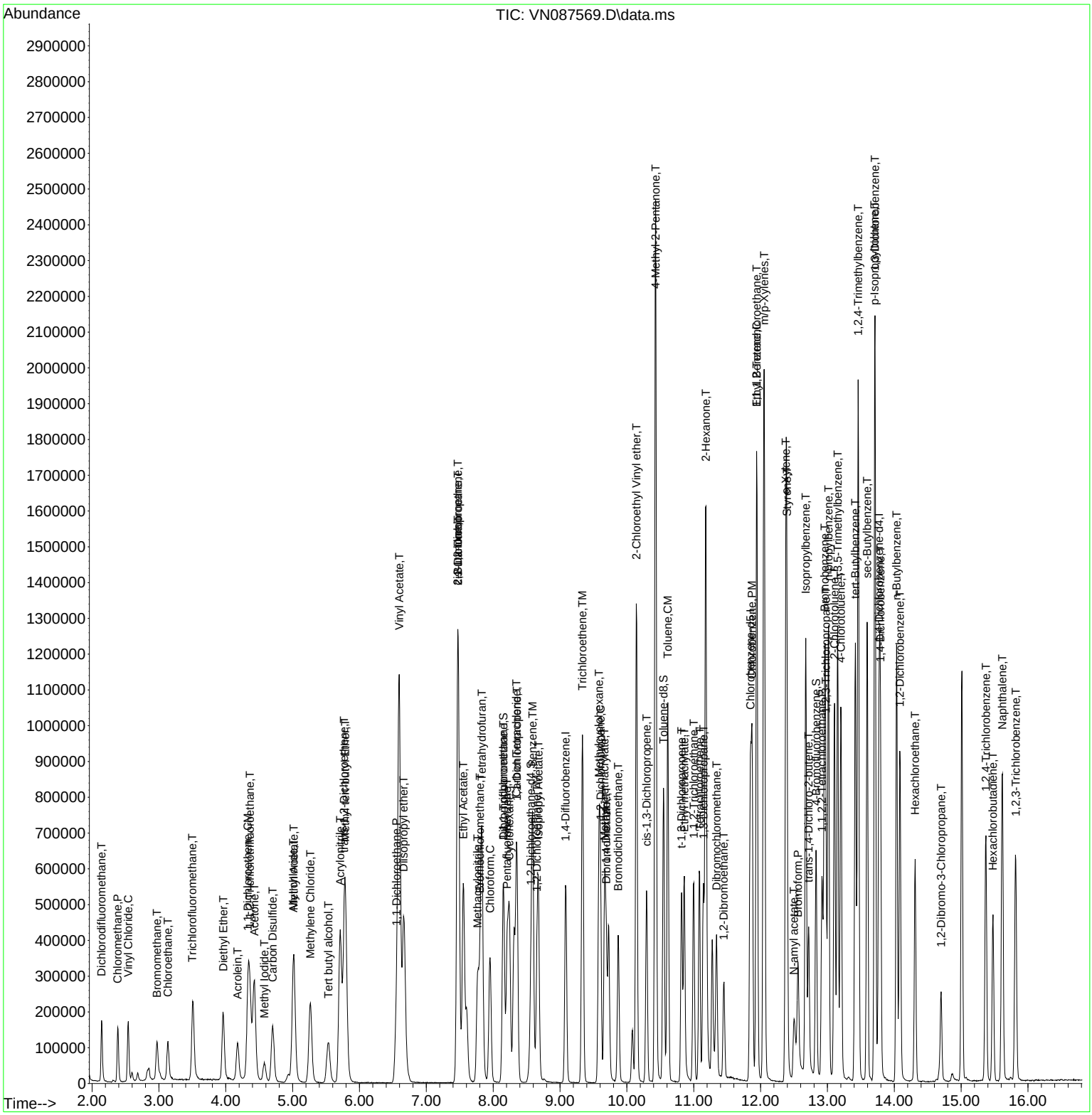
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087569.D
Acq On : 14 Aug 2025 16:27
Operator : JC\MD
Sample : Q2842-04MS 100X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 14 19:59:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
MW-17B-55.5-081225MS

Manual Integrations APPROVED

Reviewed By :John Carlone 08/15/2025
Supervised By :Mahesh Dadoda 08/19/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087570.D
Acq On : 14 Aug 2025 16:49
Operator : JC\MD
Sample : Q2842-05MSD 100X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 14 20:00:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
MW-17B-55.5-081225MSD

Manual Integrations APPROVED

Reviewed By :John Carlone 08/15/2025
Supervised By :Mahesh Dadoda 08/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.212	168	251785	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	498703	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	460182	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	240017	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	233131	54.569	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.140%			
35) Dibromofluoromethane	8.153	113	160785	46.739	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.480%			
50) Toluene-d8	10.547	98	591485	48.202	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.400%			
62) 4-Bromofluorobenzene	12.829	95	228797	50.467	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.940%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	160380	59.972	ug/l	95
3) Chloromethane	2.383	50	164845	49.018	ug/l	95
4) Vinyl Chloride	2.542	62	181197	54.217	ug/l	94
5) Bromomethane	2.971	94	111058	64.170	ug/l	100
6) Chloroethane	3.130	64	124775	57.248	ug/l	97
7) Trichlorofluoromethane	3.506	101	269630	54.560	ug/l	92
8) Diethyl Ether	3.965	74	116948	61.006	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	146884	57.900	ug/l	97
10) Methyl Iodide	4.583	142	119433	46.239	ug/l	95
11) Tert butyl alcohol	5.536	59	241582	297.805	ug/l	99
12) 1,1-Dichloroethene	4.342	96	151233	52.607	ug/l	98
13) Acrolein	4.177	56	121388	186.460	ug/l	99
14) Allyl chloride	5.018	41	274012	52.668	ug/l	93
15) Acrylonitrile	5.706	53	596577	271.011	ug/l	97
16) Acetone	4.424	43	565138	282.126	ug/l	97
17) Carbon Disulfide	4.700	76	383063	44.945	ug/l	97
18) Methyl Acetate	5.024	43	323417	64.264	ug/l	100
19) Methyl tert-butyl Ether	5.794	73	630203	59.475	ug/l	96
20) Methylene Chloride	5.265	84	180635	53.387	ug/l #	89
21) trans-1,2-Dichloroethene	5.777	96	165046	50.918	ug/l	96
22) Diisopropyl ether	6.665	45	653071	59.843	ug/l	98
23) Vinyl Acetate	6.594	43	2963851	310.532	ug/l	99
24) 1,1-Dichloroethane	6.559	63	337459	53.599	ug/l	99
25) 2-Butanone	7.477	43	880575	284.512	ug/l	97
26) 2,2-Dichloropropane	7.477	77	251846	51.450	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	296951	79.572	ug/l	98
28) Bromochloromethane	7.794	49	161291	53.528	ug/l	92
29) Tetrahydrofuran	7.830	42	579208	288.074	ug/l	99
30) Chloroform	7.953	83	365342	57.974	ug/l	98
31) Cyclohexane	8.241	56	269452	51.302	ug/l	99
32) 1,1,1-Trichloroethane	8.153	97	301283	55.199	ug/l	97
36) 1,1-Dichloropropene	8.359	75	232570	51.172	ug/l	98
37) Ethyl Acetate	7.547	43	344525	52.488	ug/l	98
38) Carbon Tetrachloride	8.347	117	240818	48.100	ug/l	96
39) Methylcyclohexane	9.582	83	251368	51.086	ug/l	95
40) Benzene	8.588	78	748859	50.980	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087570.D
Acq On : 14 Aug 2025 16:49
Operator : JC\MD
Sample : Q2842-05MSD 100X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 14 20:00:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
MW-17B-55.5-081225MSD

Manual Integrations APPROVED

Reviewed By :John Carlone 08/15/2025
Supervised By :Mahesh Dadoda 08/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	188160	54.823	ug/l		97
42) 1,2-Dichloroethane	8.659	62	295609	53.067	ug/l		97
43) Isopropyl Acetate	8.677	43	557773	54.740	ug/l		99
44) Trichloroethene	9.335	130	330475	95.214	ug/l		96
45) 1,2-Dichloropropane	9.606	63	191212	51.231	ug/l		98
46) Dibromomethane	9.694	93	141089	50.488	ug/l		95
47) Bromodichloromethane	9.871	83	288056	51.174	ug/l		98
48) Methyl methacrylate	9.665	41	268246	58.477	ug/l		94
49) 1,4-Dioxane	9.682	88	74858	1065.478	ug/l	#	100
51) 4-Methyl-2-Pentanone	10.429	43	1774583	275.360	ug/l		97
52) Toluene	10.612	92	460377	51.563	ug/l		96
53) t-1,3-Dichloropropene	10.818	75	308221	54.105	ug/l		96
54) cis-1,3-Dichloropropene	10.294	75	308333	52.399	ug/l	#	87
55) 1,1,2-Trichloroethane	11.000	97	190288	52.643	ug/l		92
56) Ethyl methacrylate	10.859	69	326690	53.587	ug/l	#	95
57) 1,3-Dichloropropane	11.147	76	329546	52.730	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.141	63	412625	139.157	ug/l		99
59) 2-Hexanone	11.182	43	1237547	289.435	ug/l		98
60) Dibromochloromethane	11.341	129	205718	49.903	ug/l		98
61) 1,2-Dibromoethane	11.447	107	193708	50.967	ug/l		98
64) Tetrachloroethene	11.082	164	127664	43.104	ug/l		94
65) Chlorobenzene	11.871	112	500916	48.485	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.941	131	176284	50.180	ug/l		99
67) Ethyl Benzene	11.941	91	898707	52.840	ug/l		99
68) m/p-Xylenes	12.053	106	662341	103.996	ug/l		93
69) o-Xylene	12.376	106	328068	53.926	ug/l		96
70) Styrene	12.394	104	567805	55.481	ug/l		98
71) Bromoform	12.559	173	133281	46.961	ug/l	#	95
73) Isopropylbenzene	12.676	105	839673	55.585	ug/l		99
74) N-amyl acetate	12.500	43	234757	37.404	ug/l	#	94
75) 1,1,2,2-Tetrachloroethane	12.918	83	304955	53.650	ug/l		99
76) 1,2,3-Trichloropropane	12.970	75	297389m	55.254	ug/l		
77) Bromobenzene	12.959	156	197712	50.466	ug/l		94
78) n-propylbenzene	13.018	91	1061543	55.853	ug/l		98
79) 2-Chlorotoluene	13.106	91	637513	54.578	ug/l		96
80) 1,3,5-Trimethylbenzene	13.153	105	725164	56.342	ug/l		96
81) trans-1,4-Dichloro-2-b...	12.718	75	93157	47.359	ug/l		94
82) 4-Chlorotoluene	13.200	91	661408	54.387	ug/l		97
83) tert-Butylbenzene	13.418	119	601617	55.966	ug/l		97
84) 1,2,4-Trimethylbenzene	13.459	105	747848	56.897	ug/l		96
85) sec-Butylbenzene	13.594	105	905664	55.933	ug/l		98
86) p-Isopropyltoluene	13.706	119	748208	57.660	ug/l		97
87) 1,3-Dichlorobenzene	13.712	146	393523	51.181	ug/l		100
88) 1,4-Dichlorobenzene	13.788	146	395731	48.189	ug/l		98
89) n-Butylbenzene	14.035	91	730169	58.929	ug/l		98
90) Hexachloroethane	14.312	117	136983	49.824	ug/l		91
91) 1,2-Dichlorobenzene	14.088	146	372655	51.160	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.700	75	74799	50.121	ug/l		97
93) 1,2,4-Trichlorobenzene	15.370	180	220758	51.594	ug/l		98
94) Hexachlorobutadiene	15.476	225	77907	49.002	ug/l		98
95) Naphthalene	15.617	128	847533	55.913	ug/l		100
96) 1,2,3-Trichlorobenzene	15.817	180	217612	50.701	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087570.D
Acq On : 14 Aug 2025 16:49
Operator : JC\MD
Sample : Q2842-05MSD 100X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 14 20:00:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
MW-17B-55.5-081225MSD

Manual Integrations APPROVED

Reviewed By :John Carlone 08/15/2025
Supervised By :Mahesh Dadoda 08/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

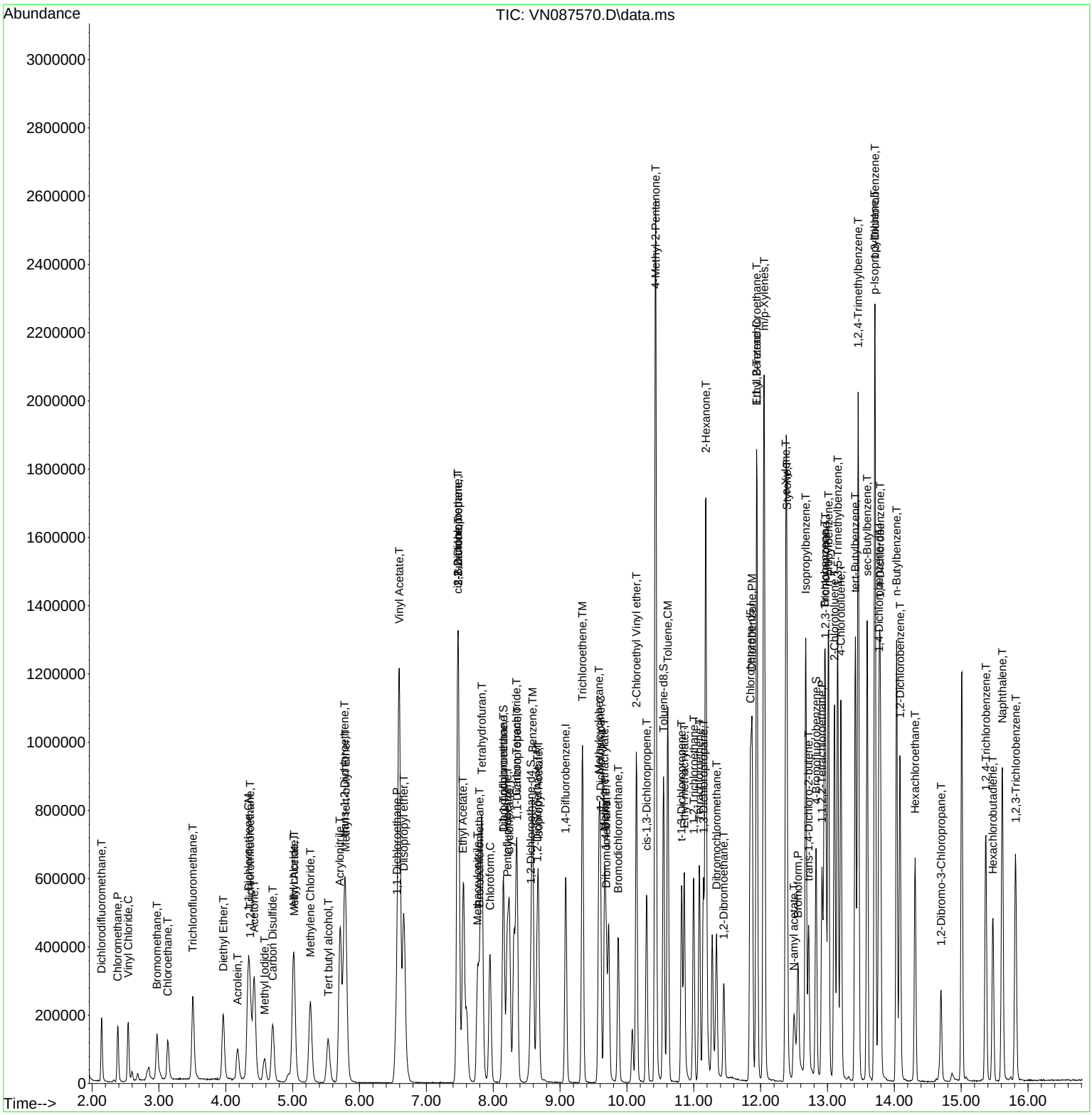
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087570.D
Acq On : 14 Aug 2025 16:49
Operator : JC\MD
Sample : Q2842-05MSD 100X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 14 20:00:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
MW-17B-55.5-081225MSD

Manual Integrations APPROVED

Reviewed By :John Carlone 08/15/2025
Supervised By :Mahesh Dadoda 08/19/2025



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

Manual Integration Report

Sequence:	VN071625	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN087328.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:19:52 AM	Sam	7/17/2025 8:24:59 AM	Peak Integrated by Software
VSTDICC001	VN087328.D	1,4-Dichlorobenzene	MMDadoda	7/17/2025 8:19:52 AM	Sam	7/17/2025 8:24:59 AM	Peak Integrated by Software
VSTDICC001	VN087328.D	Acetone	MMDadoda	7/17/2025 8:19:52 AM	Sam	7/17/2025 8:24:59 AM	Peak Integrated by Software
VSTDICC001	VN087328.D	Allyl chloride	MMDadoda	7/17/2025 8:19:52 AM	Sam	7/17/2025 8:24:59 AM	Peak Integrated by Software
VSTDICC001	VN087328.D	Methyl tert-butyl Ether	MMDadoda	7/17/2025 8:19:52 AM	Sam	7/17/2025 8:24:59 AM	Peak Integrated by Software
VSTDICC001	VN087328.D	N-amyl acetate	MMDadoda	7/17/2025 8:19:52 AM	Sam	7/17/2025 8:24:59 AM	Peak Integrated by Software
VSTDICC005	VN087329.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:19:53 AM	Sam	7/17/2025 8:24:55 AM	Peak Integrated by Software
VSTDICC005	VN087329.D	Methyl Iodide	MMDadoda	7/17/2025 8:19:53 AM	Sam	7/17/2025 8:24:55 AM	Peak Integrated by Software
VSTDICC005	VN087329.D	N-amyl acetate	MMDadoda	7/17/2025 8:19:53 AM	Sam	7/17/2025 8:24:55 AM	Peak Integrated by Software
VSTDICC020	VN087330.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:19:54 AM	Sam	7/17/2025 8:24:56 AM	Peak Integrated by Software
VSTDICC020	VN087330.D	N-amyl acetate	MMDadoda	7/17/2025 8:19:54 AM	Sam	7/17/2025 8:24:56 AM	Peak Integrated by Software
VSTDICCC050	VN087331.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:19:56 AM	Sam	7/17/2025 8:25:01 AM	Peak Integrated by Software
VSTDICCC050	VN087331.D	N-amyl acetate	MMDadoda	7/17/2025 8:19:56 AM	Sam	7/17/2025 8:25:01 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN071625	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN087332.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:19:58 AM	Sam	7/17/2025 8:25:00 AM	Peak Integrated by Software
VSTDICC150	VN087333.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:19:59 AM	Sam	7/17/2025 8:25:02 AM	Peak Integrated by Software
VSTDICV050	VN087335.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:20:01 AM	Sam	7/17/2025 8:25:03 AM	Peak Integrated by Software
VSTDICV050	VN087335.D	N-amyl acetate	MMDadoda	7/17/2025 8:20:01 AM	Sam	7/17/2025 8:25:03 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN081425	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN087552.D	1,2,3-Trichloropropane	JOHN	8/14/2025 4:35:55 PM	MMDadoda	8/19/2025 1:44:04 AM	Peak Integrated by Software
VN0814WBS01	VN087555.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:11:28 AM	MMDadoda	8/19/2025 1:44:07 AM	Peak Integrated by Software
VN0814WBS01	VN087555.D	N-amyl acetate	JOHN	8/18/2025 8:11:28 AM	MMDadoda	8/19/2025 1:44:07 AM	Peak Integrated by Software
Q2842-04MS	VN087569.D	1,2,3-Trichloropropane	JOHN	8/15/2025 8:40:03 AM	MMDadoda	8/19/2025 1:44:16 AM	Peak Integrated by Software
Q2842-05MSD	VN087570.D	1,2,3-Trichloropropane	JOHN	8/15/2025 8:40:08 AM	MMDadoda	8/19/2025 1:44:19 AM	Peak Integrated by Software
VSTDCCC050	VN087571.D	1,2,3-Trichloropropane	JOHN	8/15/2025 8:40:12 AM	MMDadoda	8/19/2025 1:44:23 AM	Peak Integrated by Software

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN071625

Review By	Mahesh Dadoda	Review On	7/17/2025 8:20:05 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	7/17/2025 8:25:10 AM		
SubDirectory	VN071625	HP Acquire Method		HP Processing Method	82N071625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134794
Initial Calibration Stds	VP134795,VP134796,VP134797,VP134798,VP134799,VP134800
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP134801
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087327.D	16 Jul 2025 16:10	JC\MD	Ok
2	VSTDICC001	VN087328.D	16 Jul 2025 17:05	JC\MD	Ok,M
3	VSTDICC005	VN087329.D	16 Jul 2025 17:27	JC\MD	Ok,M
4	VSTDICC020	VN087330.D	16 Jul 2025 17:49	JC\MD	Ok,M
5	VSTDICCC050	VN087331.D	16 Jul 2025 18:11	JC\MD	Ok,M
6	VSTDICC100	VN087332.D	16 Jul 2025 18:32	JC\MD	Ok,M
7	VSTDICC150	VN087333.D	16 Jul 2025 18:54	JC\MD	Ok,M
8	IBLK	VN087334.D	16 Jul 2025 19:16	JC\MD	Ok
9	VSTDICV050	VN087335.D	16 Jul 2025 19:59	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN081425

Review By	John Carlone	Review On	8/15/2025 8:42:25 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/19/2025 1:44:35 AM		
SubDirectory	VN081425	HP Acquire Method		HP Processing Method	82N071625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135139
Initial Calibration Stds	
CCC	VP135140,VP135141
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087551.D	14 Aug 2025 09:01	JC\MD	Ok
2	VSTDCCC050	VN087552.D	14 Aug 2025 09:34	JC\MD	Ok,M
3	VN0814MBL01	VN087553.D	14 Aug 2025 10:10	JC\MD	Ok
4	VN0814WBL01	VN087554.D	14 Aug 2025 10:32	JC\MD	Ok
5	VN0814WBS01	VN087555.D	14 Aug 2025 11:07	JC\MD	Ok,M
6	VN0814WBSD01	VN087556.D	14 Aug 2025 11:41	JC\MD	Ok,M
7	Q2832-02	VN087557.D	14 Aug 2025 12:03	JC\MD	Ok
8	Q2832-04	VN087558.D	14 Aug 2025 12:24	JC\MD	Ok,M
9	Q2836-01	VN087559.D	14 Aug 2025 12:46	JC\MD	Ok
10	Q2836-05	VN087560.D	14 Aug 2025 13:08	JC\MD	Ok
11	Q2836-09	VN087561.D	14 Aug 2025 13:30	JC\MD	Ok
12	Q2836-13	VN087562.D	14 Aug 2025 13:52	JC\MD	Ok
13	Q2838-04	VN087563.D	14 Aug 2025 14:14	JC\MD	Ok
14	Q2838-08	VN087564.D	14 Aug 2025 14:36	JC\MD	Ok
15	Q2842-08	VN087565.D	14 Aug 2025 14:58	JC\MD	Ok
16	Q2842-01	VN087566.D	14 Aug 2025 15:20	JC\MD	Ok
17	Q2842-02	VN087567.D	14 Aug 2025 15:42	JC\MD	Ok
18	Q2842-03	VN087568.D	14 Aug 2025 16:04	JC\MD	Ok
19	Q2842-04MS	VN087569.D	14 Aug 2025 16:27	JC\MD	Ok,M
20	Q2842-05MSD	VN087570.D	14 Aug 2025 16:49	JC\MD	Ok,M
21	VSTDCCC050	VN087571.D	14 Aug 2025 17:11	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN071625

Review By	Mahesh Dadoda	Review On	7/17/2025 8:20:05 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	7/17/2025 8:25:10 AM		
SubDirectory	VN071625	HP Acquire Method		HP Processing Method	82N071625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134794
Initial Calibration Stds	VP134795,VP134796,VP134797,VP134798,VP134799,VP134800
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP134801
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN087327.D	16 Jul 2025 16:10		JC\MD	Ok
2	VSTDICC001	VSTDICC001	VN087328.D	16 Jul 2025 17:05		JC\MD	Ok,M
3	VSTDICC005	VSTDICC005	VN087329.D	16 Jul 2025 17:27	% d fail for com.#10 in 5 ppb	JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN087330.D	16 Jul 2025 17:49	LR- 10,20	JC\MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VN087331.D	16 Jul 2025 18:11	QR- 56	JC\MD	Ok,M
6	VSTDICC100	VSTDICC100	VN087332.D	16 Jul 2025 18:32		JC\MD	Ok,M
7	VSTDICC150	VSTDICC150	VN087333.D	16 Jul 2025 18:54		JC\MD	Ok,M
8	IBLK	IBLK	VN087334.D	16 Jul 2025 19:16		JC\MD	Ok
9	VSTDICV050	ICVVN071625	VN087335.D	16 Jul 2025 19:59		JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN081425

Review By	John Carlone	Review On	8/15/2025 8:42:25 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/19/2025 1:44:35 AM		
SubDirectory	VN081425	HP Acquire Method		HP Processing Method	82N071625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135139
Initial Calibration Stds	
CCC	VP135140,VP135141
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN087551.D	14 Aug 2025 09:01		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN087552.D	14 Aug 2025 09:34	pH#Lot#V12668	JC\MD	Ok,M
3	VN0814MBL01	VN0814MBL01	VN087553.D	14 Aug 2025 10:10		JC\MD	Ok
4	VN0814WBL01	VN0814WBL01	VN087554.D	14 Aug 2025 10:32		JC\MD	Ok
5	VN0814WBS01	VN0814WBS01	VN087555.D	14 Aug 2025 11:07		JC\MD	Ok,M
6	VN0814WBSD01	VN0814WBSD01	VN087556.D	14 Aug 2025 11:41		JC\MD	Ok,M
7	Q2832-02	TG-S01	VN087557.D	14 Aug 2025 12:03	vial B pH#5.0	JC\MD	Ok
8	Q2832-04	TG-S02	VN087558.D	14 Aug 2025 12:24	vial B pH#5.0	JC\MD	Ok,M
9	Q2836-01	WC-A2-15-G	VN087559.D	14 Aug 2025 12:46	vial B pH#5.0	JC\MD	Ok
10	Q2836-05	WC-A2-16-G	VN087560.D	14 Aug 2025 13:08	vial B pH#5.0	JC\MD	Ok
11	Q2836-09	WC-A2-17-G	VN087561.D	14 Aug 2025 13:30	vial B pH#5.0	JC\MD	Ok
12	Q2836-13	WC-A5-02-G	VN087562.D	14 Aug 2025 13:52	vial B pH#5.0	JC\MD	Ok
13	Q2838-04	TP-11	VN087563.D	14 Aug 2025 14:14	vial B pH#5.0	JC\MD	Ok
14	Q2838-08	TP-10	VN087564.D	14 Aug 2025 14:36	vial B pH#5.0	JC\MD	Ok
15	Q2842-08	TB01-081225	VN087565.D	14 Aug 2025 14:58	vial A pH<2 TB	JC\MD	Ok
16	Q2842-01	RMW-03B-90.4-081225	VN087566.D	14 Aug 2025 15:20	vial A pH<2	JC\MD	Ok
17	Q2842-02	RMW-02B-66.3-081225	VN087567.D	14 Aug 2025 15:42	vial A pH<2	JC\MD	Ok
18	Q2842-03	MW-17B-55.5-081225	VN087568.D	14 Aug 2025 16:04	vial A pH<2	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN081425

Review By	John Carlone	Review On	8/15/2025 8:42:25 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/19/2025 1:44:35 AM		
SubDirectory	VN081425	HP Acquire Method		HP Processing Method	82N071625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135139
Initial Calibration Stds	
CCC	VP135140,VP135141
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2842-04MS	MW-17B-55.5-081225M	VN087569.D	14 Aug 2025 16:27	vial A pH<2	JC\MD	Ok,M
20	Q2842-05MSD	MW-17B-55.5-081225M	VN087570.D	14 Aug 2025 16:49	vial A pH<2	JC\MD	Ok,M
21	VSTDCCC050	VSTDCCC050EC	VN087571.D	14 Aug 2025 17:11		JC\MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	Q2842	**OrderDate:**	8/13/2025 8:34:00 AM
Client:	JACOBS Engineering Group, Inc.	**Project:**	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	**Location:**	J23,J32,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2842-01	**RMW-03B-90.4-081225**	**Water**			**08/12/25**			**08/12/25**
			VOCMS Group3	8260-Low			08/14/25	
Q2842-02	**RMW-02B-66.3-081225**	**Water**			**08/12/25**			**08/12/25**
			VOCMS Group3	8260-Low			08/14/25	
Q2842-03	**MW-17B-55.5-081225**	**Water**			**08/12/25**			**08/12/25**
			VOCMS Group3	8260-Low			08/14/25	
Q2842-08	**TB01-081225**	**Water**			**08/12/25**			**08/12/25**
			VOCMS Group3	8260-Low			08/14/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2842

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	RDL	Units
Client ID : RMW-03B-90.4-081225								
Q2842-01	RMW-03B-90.4-081225	WATER	1,4-Dioxane	6.800	E	0.07	0.22	ug/L
			Total Svoc :			**6.80**		
			Total Concentration:			**6.80**		
Client ID : RMW-03B-90.4-081225DL								
Q2842-01DL	RMW-03B-90.4-081225I	WATER	1,4-Dioxane	6.600	D	0.15	0.44	ug/L
			Total Svoc :			**6.60**		
			Total Concentration:			**6.60**		
Client ID : RMW-02B-66.3-081225								
Q2842-02	RMW-02B-66.3-081225	WATER	1,4-Dioxane	22.600	E	0.07	0.21	ug/L
			Total Svoc :			**22.60**		
			Total Concentration:			**22.60**		
Client ID : RMW-02B-66.3-081225DL								
Q2842-02DL	RMW-02B-66.3-081225I	WATER	1,4-Dioxane	27.000	D	0.68	2.1	ug/L
			Total Svoc :			**27.00**		
			Total Concentration:			**27.00**		
Client ID : MW-17B-55.5-081225								
Q2842-03	MW-17B-55.5-081225	WATER	1,4-Dioxane	2.900		0.07	0.2	ug/L
			Total Svoc :			**2.90**		
			Total Concentration:			**2.90**		
Client ID : MW-06-6.5-081225								
Q2842-06	MW-06-6.5-081225	WATER	1,4-Dioxane	0.640		0.07	0.21	ug/L
			Total Svoc :			**0.64**		
			Total Concentration:			**0.64**		

SAMPLE DATA

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/12/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/12/25
Client Sample ID:	RMW-03B-90.4-081225	SDG No.:	Q2842
Lab Sample ID:	Q2842-01	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	910 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037602.D	1	08/18/25 08:41	08/19/25 11:52	PB169286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	6.80	E	0.070	0.22	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.26		30 (20) - 150 (139)	66%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.38		30 (54) - 150 (157)	94%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.30		30 (27) - 130 (154)	74%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.35		30 (30) - 130 (155)	87%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.49		30 (54) - 130 (175)	123%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1960	7.717			
1146-65-2	Naphthalene-d8	4780	10.498			
15067-26-2	Acenaphthene-d10	2380	14.345			
1517-22-2	Phenanthrene-d10	5090	17.086			
1719-03-5	Chrysene-d12	4470	21.268			
1520-96-3	Perylene-d12	3950	23.502			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/12/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/12/25
Client Sample ID:	RMW-03B-90.4-081225DL	SDG No.:	Q2842
Lab Sample ID:	Q2842-01DL	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	910 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037620.D	2	08/18/25 08:41	08/20/25 05:27	PB169286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	6.60	D	0.15	0.44	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.25		30 (20) - 150 (139)	62%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.35		30 (54) - 150 (157)	87%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.29		30 (27) - 130 (154)	74%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.34		30 (30) - 130 (155)	85%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.48		30 (54) - 130 (175)	120%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2330	7.71			
1146-65-2	Naphthalene-d8	5460	10.498			
15067-26-2	Acenaphthene-d10	2690	14.345			
1517-22-2	Phenanthrene-d10	5770	17.087			
1719-03-5	Chrysene-d12	4770	21.268			
1520-96-3	Perylene-d12	4470	23.496			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/12/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/12/25
Client Sample ID:	RMW-02B-66.3-081225	SDG No.:	Q2842
Lab Sample ID:	Q2842-02	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037603.D	1	08/18/25 08:41	08/19/25 12:28	PB169286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	22.6	E	0.070	0.21	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.30		30 (20) - 150 (139)	76%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.39		30 (54) - 150 (157)	97%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.33		30 (27) - 130 (154)	83%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.33		30 (30) - 130 (155)	83%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.49		30 (54) - 130 (175)	122%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2000	7.717			
1146-65-2	Naphthalene-d8	4850	10.498			
15067-26-2	Acenaphthene-d10	2450	14.345			
1517-22-2	Phenanthrene-d10	5060	17.087			
1719-03-5	Chrysene-d12	4260	21.268			
1520-96-3	Perylene-d12	3750	23.502			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/12/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/12/25
Client Sample ID:	RMW-02B-66.3-081225DL	SDG No.:	Q2842
Lab Sample ID:	Q2842-02DL	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037621.D	10	08/18/25 08:41	08/20/25 06:03	PB169286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	27.0	D	0.68	2.10	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.32		30 (20) - 150 (139)	80%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.45		30 (54) - 150 (157)	113%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		30 (27) - 130 (154)	90%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.36		30 (30) - 130 (155)	90%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.55	*	30 (54) - 130 (175)	138%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1940	7.71			
1146-65-2	Naphthalene-d8	4470	10.498			
15067-26-2	Acenaphthene-d10	2280	14.345			
1517-22-2	Phenanthrene-d10	4810	17.086			
1719-03-5	Chrysene-d12	3970	21.268			
1520-96-3	Perylene-d12	3640	23.501			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/12/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/12/25
Client Sample ID:	MW-17B-55.5-081225	SDG No.:	Q2842
Lab Sample ID:	Q2842-03	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037604.D	1	08/18/25 08:41	08/19/25 13:04	PB169286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	2.90		0.070	0.20	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.29		30 (20) - 150 (139)	72%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.39		30 (54) - 150 (157)	97%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.31		30 (27) - 130 (154)	77%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.31		30 (30) - 130 (155)	76%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.53	*	30 (54) - 130 (175)	132%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2100	7.717			
1146-65-2	Naphthalene-d8	4980	10.498			
15067-26-2	Acenaphthene-d10	2520	14.345			
1517-22-2	Phenanthrene-d10	5310	17.086			
1719-03-5	Chrysene-d12	4640	21.268			
1520-96-3	Perylene-d12	4120	23.505			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/12/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/12/25
Client Sample ID:	MW-06-6.5-081225	SDG No.:	Q2842
Lab Sample ID:	Q2842-06	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	970 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037607.D	1	08/18/25 08:41	08/19/25 14:53	PB169286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	0.64		0.070	0.21	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.26		30 (20) - 150 (139)	66%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.36		30 (54) - 150 (157)	89%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.30		30 (27) - 130 (154)	75%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.35		30 (30) - 130 (155)	87%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.43		30 (54) - 130 (175)	108%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2140	7.717			
1146-65-2	Naphthalene-d8	5180	10.498			
15067-26-2	Acenaphthene-d10	2600	14.345			
1517-22-2	Phenanthrene-d10	5520	17.086			
1719-03-5	Chrysene-d12	4980	21.268			
1520-96-3	Perylene-d12	4420	23.505			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q2842

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB169286BL	PB169286BL	2-Methylnaphthalene-d10	0.4	0.32	81		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.33	83		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.36	90		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.35	86		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.37	93		30 (54)	130 (175)
PB169286BS	PB169286BS	2-Methylnaphthalene-d10	0.4	0.33	82		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.31	76		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.35	87		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.36	90		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.35	88		30 (54)	130 (175)
Q2842-01	RMW-03B-90.4-081225	2-Methylnaphthalene-d10	0.4	0.26	66		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.38	94		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.30	74		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.35	87		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.49	123		30 (54)	130 (175)
Q2842-01DL	RMW-03B-90.4-081225DL	2-Methylnaphthalene-d10	0.4	0.25	62		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.35	87		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.29	74		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.34	85		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.48	120		30 (54)	130 (175)
Q2842-02	RMW-02B-66.3-081225	2-Methylnaphthalene-d10	0.4	0.30	76		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.39	97		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.33	83		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.33	83		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.49	122		30 (54)	130 (175)
Q2842-02DL	RMW-02B-66.3-081225DL	2-Methylnaphthalene-d10	0.4	0.32	80		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.45	113		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.36	90		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.36	90		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.55	138	*	30 (54)	130 (175)
Q2842-03	MW-17B-55.5-081225	2-Methylnaphthalene-d10	0.4	0.29	72		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.39	97		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.31	77		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.31	76		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.53	132	*	30 (54)	130 (175)
Q2842-04MS	MW-17B-55.5-081225MS	2-Methylnaphthalene-d10	0.4	0.31	77		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.38	94		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.33	83		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.32	81		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.47	117		30 (54)	130 (175)
Q2842-05MSD	MW-17B-55.5-081225MSD	2-Methylnaphthalene-d10	0.4	0.30	76		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.37	93		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.32	79		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.32	81		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.47	117		30 (54)	130 (175)
Q2842-06	MW-06-6.5-081225	2-Methylnaphthalene-d10	0.4	0.26	66		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.36	89		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.30	75		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.35	87		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.43	108		30 (54)	130 (175)

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2842 **Analytical Method:** SW8270-Modified

Client: JACOBS Engineering Group, Inc. **DataFile:** BN037605.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q2842-04MS		**Client Sample ID:** MW-17B-55.5-081225MS									
1,4-Dioxane	0.43	2.90	3.00	ug/L	23				20 (10)	160 (175)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2842 **Analytical Method:** SW8270-Modified

Client: JACOBS Engineering Group, Inc. **DataFile:** BN037606.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID: Q2842-05MSD		**Client Sample ID:** MW-17B-55.5-081225MSD									
1,4-Dioxane	0.42	2.90	3.00	ug/L	24		4		20 (10)	160 (175)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2842 **Analytical Method:** 8270-Modified

Client: JACOBS Engineering Group, Inc. **DataFile:** BN037630.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB169286BS	1,4-Dioxane	0.4	0.30	ug/L	75				20 (65)	160 (116)	

( ) = LABORATORY INHOUSE LIMIT

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB169286BL

Lab Name: Alliance | Contract: JACO05

Lab Code: ACE | SDG NO.: Q2842

Lab File ID: BN037619.D | Lab Sample ID: PB169286BL

Instrument ID: BNA_N | Date Extracted: 08/18/2025

Matrix: (soil/water) Water | Date Analyzed: 08/20/2025

Level: (low/med) LOW | Time Analyzed: 04:50

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB169286BS	PB169286BS	BN037630.D	08/20/2025
RMW-03B-90.4-081225	Q2842-01	BN037602.D	08/19/2025
RMW-02B-66.3-081225	Q2842-02	BN037603.D	08/19/2025
MW-17B-55.5-081225	Q2842-03	BN037604.D	08/19/2025
MW-17B-55.5-081225MS	Q2842-04MS	BN037605.D	08/19/2025
MW-17B-55.5-081225MSD	Q2842-05MSD	BN037606.D	08/19/2025
MW-06-6.5-081225	Q2842-06	BN037607.D	08/19/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: JACO05

Lab Code: ACE SDG NO.: Q2842

Lab File ID: BN037576.D DFTPP Injection Date: 08/12/2025

Instrument ID: BNA_N DFTPP Injection Time: 15:05

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.6) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	7.1
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	87.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	16.2 (19.2) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC0.1	SSTDICC0.1	BN037578.D	08/12/2025	16:26
SSTDICC0.2	SSTDICC0.2	BN037579.D	08/12/2025	17:03
SSTDICCC0.4	SSTDICCC0.4	BN037580.D	08/12/2025	17:39
SSTDICC0.8	SSTDICC0.8	BN037581.D	08/12/2025	18:16
SSTDICC1.6	SSTDICC1.6	BN037582.D	08/12/2025	18:52
SSTDICC3.2	SSTDICC3.2	BN037583.D	08/12/2025	19:29
SSTDICC5.0	SSTDICC5.0	BN037584.D	08/12/2025	20:05

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: JACO05

Lab Code: ACE SDG NO.: Q2842

Lab File ID: BN037599.D DFTPP Injection Date: 08/19/2025

Instrument ID: BNA_N DFTPP Injection Time: 10:00

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.5) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.9
365	Greater than 1% of mass 198	4
441	Present, but less than mass 443	80.4
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.9 (18.3) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN037600.D	08/19/2025	10:39
RMW-03B-90.4-081225	Q2842-01	BN037602.D	08/19/2025	11:52
RMW-02B-66.3-081225	Q2842-02	BN037603.D	08/19/2025	12:28
MW-17B-55.5-081225	Q2842-03	BN037604.D	08/19/2025	13:04
MW-17B-55.5-081225MS	Q2842-04MS	BN037605.D	08/19/2025	13:40
MW-17B-55.5-081225MSD	Q2842-05MSD	BN037606.D	08/19/2025	14:17
MW-06-6.5-081225	Q2842-06	BN037607.D	08/19/2025	14:53

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: JACO05

Lab Code: ACE SDG NO.: Q2842

Lab File ID: BN037617.D DFTPP Injection Date: 08/20/2025

Instrument ID: BNA_N DFTPP Injection Time: 03:35

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (0.9) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.6) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
365	Greater than 1% of mass 198	3.6
441	Present, but less than mass 443	79.0
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	14.9 (19) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC0.4	SSTDCCC0.4	BN037618.D	08/20/2025	04:14
PB169286BL	PB169286BL	BN037619.D	08/20/2025	04:50
RMW-03B-90.4-081225DL	Q2842-01DL	BN037620.D	08/20/2025	05:27
RMW-02B-66.3-081225DL	Q2842-02DL	BN037621.D	08/20/2025	06:03
PB169286BS	PB169286BS	BN037630.D	08/20/2025	11:25

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2842

Client ID : SSTDCCC0.4 Date Analyzed: 08/19/2025

Lab File ID: BN037600.D Time Analyzed: 10:39

Instrument ID: BNA_N GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	2628	7.717	6457	10.50	3216	14.34
	UPPER LIMIT	5256	8.217	12914	10.998	6432	14.844
	LOWER LIMIT	1314	7.217	3228.5	9.998	1608	13.844
	EPA SAMPLE NO.						
01	RMW-03B-90.4-081225	1956	7.72	4779	10.50	2382	14.35
02	MW-17B-55.5-081225	2101	7.72	4983	10.50	2519	14.35
03	MW-17B-55.5-081225MS	2023	7.72	4765	10.50	2380	14.35
04	MW-17B-55.5-081225MSD	2022	7.72	4839	10.50	2406	14.34
05	MW-06-6.5-081225	2139	7.72	5184	10.50	2604	14.35
06	RMW-02B-66.3-081225	2003	7.72	4852	10.50	2452	14.35

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2842

Client ID: SSTDCCC0.4 Date Analyzed: 08/19/2025

Lab File ID: BN037600.D Time Analyzed: 10:39

Instrument ID: BNA_N GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	6293	17.086	5356	21.267	5379	23.504
	UPPER LIMIT	12586	17.586	10712	21.767	10758	24.004
	LOWER LIMIT	3146.5	16.586	2678	20.767	2689.5	23.004
	EPA SAMPLE NO.						
01	RMW-03B-90.4-081225	5089	17.09	4467	21.27	3954	23.50
02	MW-17B-55.5-081225	5311	17.09	4640	21.27	4122	23.51
03	MW-17B-55.5-081225MS	4922	17.09	4507	21.27	3909	23.51
04	MW-17B-55.5-081225MSD	5009	17.09	4561	21.27	3935	23.50
05	MW-06-6.5-081225	5518	17.09	4981	21.27	4415	23.51
06	RMW-02B-66.3-081225	5058	17.09	4260	21.27	3745	23.50

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2842

Client ID : SSTDCCC0.4 Date Analyzed: 08/20/2025

Lab File ID: BN037618.D Time Analyzed: 04:14

Instrument ID: BNA_N GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	2622	7.71	6166	10.50	3094	14.35
	UPPER LIMIT	5244	8.21	12332	10.998	6188	14.845
	LOWER LIMIT	1311	7.21	3083	9.998	1547	13.845
	EPA SAMPLE NO.						
01	PB169286BL	2323	7.71	5229	10.50	2344	14.35
02	PB169286BS	2389	7.71	5616	10.49	2629	14.35
03	RMW-02B-66.3-081225DL	1938	7.71	4467	10.50	2275	14.35
04	RMW-03B-90.4-081225DL	2332	7.71	5464	10.50	2692	14.35

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q2842

Client ID: SSTDCCC0.4 Date Analyzed: 08/20/2025

Lab File ID: BN037618.D Time Analyzed: 04:14

Instrument ID: BNA_N GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	6113	17.086	5494	21.268	5322	23.499
	UPPER LIMIT	12226	17.586	10988	21.768	10644	23.999
	LOWER LIMIT	3056.5	16.586	2747	20.768	2661	22.999
	EPA SAMPLE NO.						
01	PB169286BL	4466	17.09	3733	21.27	3552	23.50
02	PB169286BS	5040	17.09	4175	21.27	3780	23.50
03	RMW-02B-66.3-081225DL	4809	17.09	3968	21.27	3640	23.50
04	RMW-03B-90.4-081225DL	5770	17.09	4774	21.27	4470	23.50

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	PB169286BL	SDG No.:	Q2842
Lab Sample ID:	PB169286BL	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037619.D	1	08/18/25 08:41	08/20/25 04:50	PB169286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	0.070	U	0.070	0.20	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.32		30 (20) - 150 (139)	81%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.33		30 (54) - 150 (157)	83%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.36		30 (27) - 130 (154)	90%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.35		30 (30) - 130 (155)	86%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.37		30 (54) - 130 (175)	93%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2320	7.71			
1146-65-2	Naphthalene-d8	5230	10.498			
15067-26-2	Acenaphthene-d10	2340	14.345			
1517-22-2	Phenanthrene-d10	4470	17.087			
1719-03-5	Chrysene-d12	3730	21.268			
1520-96-3	Perylene-d12	3550	23.499			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	PB169286BS	SDG No.:	Q2842
Lab Sample ID:	PB169286BS	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup : N	PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037630.D	1	08/18/25 08:41	08/20/25 11:25	PB169286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	0.30		0.070	0.20	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.33		30 (20) - 150 (139)	82%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.31		30 (54) - 150 (157)	76%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.35		30 (27) - 130 (154)	87%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.36		30 (30) - 130 (155)	90%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.35		30 (54) - 130 (175)	88%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2390	7.71			
1146-65-2	Naphthalene-d8	5620	10.487			
15067-26-2	Acenaphthene-d10	2630	14.345			
1517-22-2	Phenanthrene-d10	5040	17.086			
1719-03-5	Chrysene-d12	4180	21.268			
1520-96-3	Perylene-d12	3780	23.502			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/12/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/12/25
Client Sample ID:	MW-17B-55.5-081225MS	SDG No.:	Q2842
Lab Sample ID:	Q2842-04MS	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	940 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037605.D	1	08/18/25 08:41	08/19/25 13:40	PB169286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	3.00		0.070	0.21	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.31		30 (20) - 150 (139)	77%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.38		30 (54) - 150 (157)	94%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.33		30 (27) - 130 (154)	83%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.32		30 (30) - 130 (155)	81%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.47		30 (54) - 130 (175)	117%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2020	7.717			
1146-65-2	Naphthalene-d8	4770	10.498			
15067-26-2	Acenaphthene-d10	2380	14.345			
1517-22-2	Phenanthrene-d10	4920	17.087			
1719-03-5	Chrysene-d12	4510	21.268			
1520-96-3	Perylene-d12	3910	23.505			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/12/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/12/25
Client Sample ID:	MW-17B-55.5-081225MSD	SDG No.:	Q2842
Lab Sample ID:	Q2842-05MSD	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	960 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037606.D	1	08/18/25 08:41	08/19/25 14:17	PB169286

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	3.00		0.070	0.21	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.30		30 (20) - 150 (139)	76%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 (54) - 150 (157)	93%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.32		30 (27) - 130 (154)	79%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.32		30 (30) - 130 (155)	81%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.47		30 (54) - 130 (175)	117%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	2020	7.717			
1146-65-2	Naphthalene-d8	4840	10.498			
15067-26-2	Acenaphthene-d10	2410	14.344			
1517-22-2	Phenanthrene-d10	5010	17.086			
1719-03-5	Chrysene-d12	4560	21.267			
1520-96-3	Perylene-d12	3940	23.504			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
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CALIBRATION SUMMARY

Response Factor Report BNA_N

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN081225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Wed Aug 13 05:00:58 2025
Response Via : Initial Calibration

Calibration Files
0.1 =BN037578.D 0.2 =BN037579.D 0.4 =BN037580.D 0.8 =BN037581.D 1.6 =BN037582.D 3.2 =BN037583.D 5 =BN037584.D

		Compound	0.1	0.2	0.4	0.8	1.6	3.2	5	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------								
2)		1,4-Dioxane	0.413	0.395	0.368	0.397	0.375	0.348	0.383		6.08
3)		n-Nitrosodimet...	0.471	0.488	0.471	0.493	0.503	0.508	0.489		3.19
4)	S	2-Fluorophenol	0.922	0.945	0.888	0.823	0.886	0.906	0.977	0.907	5.41
5)	S	Phenol-d6	1.045	1.051	1.044	0.983	1.198	1.117	1.201	1.091	7.66
6)		bis(2-Chloroet...	0.935	0.987	0.976	0.936	1.020	1.008	1.022	0.983	3.75
7)	I	Naphthalene-d8	----------ISTD----------								
8)	S	Nitrobenzene-d5	0.270	0.257	0.262	0.264	0.292	0.301	0.326	0.282	9.03
9)		Naphthalene	1.044	1.050	1.037	1.012	1.089	1.096	1.127	1.065	3.78
10)		Hexachlorobuta...	0.252	0.258	0.262	0.253	0.267	0.264	0.265	0.260	2.22
11)	SURR	2-Methylnaphth...	0.488	0.492	0.508	0.493	0.543	0.578	0.705	0.544	14.39
12)		2-Methylnaphth...	0.589	0.631	0.635	0.629	0.701	0.731	0.760	0.668	9.39
13)	I	Acenaphthene-d10	----------ISTD----------								
14)	S	2,4,6-Tribromo...	0.139	0.149	0.156	0.160	0.185	0.203	0.234	0.175	19.39
15)	S	2-Fluorobiphenyl	2.226	2.243	2.300	2.251	2.341	2.391	2.440	2.313	3.50
16)		Acenaphthylene	1.740	1.760	1.710	1.653	1.850	1.858	1.980	1.793	6.15
17)		Acenaphthene	1.144	1.150	1.172	1.154	1.283	1.286	1.348	1.220	6.86
18)		Fluorene	1.466	1.510	1.524	1.521	1.686	1.693	1.770	1.596	7.38
19)	I	Phenanthrene-d10	----------ISTD----------								
20)		4,6-Dinitro-2-...	0.042	0.046	0.047	0.061	0.070		0.053		22.37
21)		4-Bromophenyl-...	0.226	0.236	0.234	0.237	0.265	0.271	0.292	0.251	9.77
22)		Hexachlorobenzene	0.360	0.360	0.356	0.332	0.364	0.354	0.370	0.356	3.37
23)		Atrazine	0.127	0.126	0.130	0.134	0.160	0.176		0.142	14.76
24)		Pentachlorophenol	0.108	0.113	0.113	0.139	0.152		0.125		15.36
25)		Phenanthrene	1.146	1.162	1.170	1.138	1.281	1.269	1.347	1.216	6.72
26)		Anthracene	0.950	0.985	0.995	0.988	1.145	1.186	1.286	1.077	11.93
27)	SURR	Fluoranthene-d10	0.932	0.966	0.954	0.935	1.050	1.110	1.419	1.052	16.61
28)		Fluoranthene	1.241	1.264	1.299	1.291	1.503	1.533	1.648	1.397	11.53
29)	I	Chrysene-d12	----------ISTD----------								
30)		Pyrene	1.539	1.486	1.464	1.403	1.502	1.520	1.552	1.495	3.38
31)	S	Terphenyl-d14	0.814	0.801	0.796	0.763	0.833	0.853	0.901	0.823	5.45
32)		Benzo(a)anthra...	1.266	1.275	1.263	1.253	1.351	1.458	1.487	1.336	7.40
33)		Chrysene	1.547	1.515	1.433	1.379	1.511	1.489	1.551	1.489	4.21
34)		Bis(2-ethylhex...	0.518	0.522	0.483	0.522	0.593	0.671	0.551		12.47
35)	I	Perylene-d12	----------ISTD----------								

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN081225.M

36)		Indeno(1,2,3-c...	1.446	1.462	1.612	1.568	1.816	1.883	2.011	1.686	13.01
37)		Benzo(b)fluora...	1.351	1.375	1.338	1.432	1.615	1.674	1.825	1.516	12.52
38)		Benzo(k)fluora...	1.597	1.580	1.651	1.628	1.821	1.797	1.898	1.710	7.36
39)	C	Benzo(a)pyrene	1.146	1.136	1.149	1.157	1.322	1.382	1.508	1.257	11.77
40)		Dibenzo(a,h)an...	1.023	1.118	1.222	1.215	1.439	1.516	1.621	1.308	16.85
41)		Benzo(g,h,i)pe...	1.207	1.274	1.262	1.261	1.467	1.532	1.643	1.378	12.17

(#) = Out of Range

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: JACO05

Lab Code: ACE SDG No.: Q2842

Instrument ID: BNA_N Calibration Date/Time: 08/19/2025 10:39

Lab File ID: BN037600.D Init. Calib. Date(s): 08/12/2025 08/12/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 16:26 20:05

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.544	0.498		-8.5	20.0
Fluoranthene-d10	1.052	0.957		-9.0	20.0
2-Fluorophenol	0.907	0.907		0.0	20.0
Phenol-d6	1.091	1.078		-1.2	20.0
Nitrobenzene-d5	0.282	0.275		-2.5	20.0
2-Fluorobiphenyl	2.313	2.186		-5.5	20.0
2,4,6-Tribromophenol	0.175	0.169		-3.4	20.0
Terphenyl-d14	0.823	0.796		-3.3	20.0
1,4-Dioxane	0.383	0.406		6.0	20.0

All other compounds must meet a minimum RRF of 0.010.

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Fax : 908 789 8922

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: JACO05

Lab Code: ACE SDG No.: Q2842

Instrument ID: BNA_N Calibration Date/Time: 08/20/2025 04:14

Lab File ID: BN037618.D Init. Calib. Date(s): 08/12/2025 08/12/2025

EPA Sample No.: SSTDCCC0.4 Init. Calib. Time(s): 16:26 20:05

GC Column: ZB-GR ID: 0.25 (mm)

COMPOUND	RRF	RRF0.4	MIN RRF	%D	MAX%D
2-Methylnaphthalene-d10	0.544	0.498		-8.5	20.0
Fluoranthene-d10	1.052	0.951		-9.6	20.0
2-Fluorophenol	0.907	0.875		-3.5	20.0
Phenol-d6	1.091	1.045		-4.2	20.0
Nitrobenzene-d5	0.282	0.281		-0.4	20.0
2-Fluorobiphenyl	2.313	2.246		-2.9	20.0
2,4,6-Tribromophenol	0.175	0.175		0.0	20.0
Terphenyl-d14	0.823	0.793		-3.6	20.0
1,4-Dioxane	0.383	0.380		-0.8	20.0

All other compounds must meet a minimum RRF of 0.010.

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037602.D
Acq On : 19 Aug 2025 11:52
Operator : RC/JU
Sample : Q2842-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RMW-03B-90.4-081225

Quant Time: Aug 20 01:24:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration

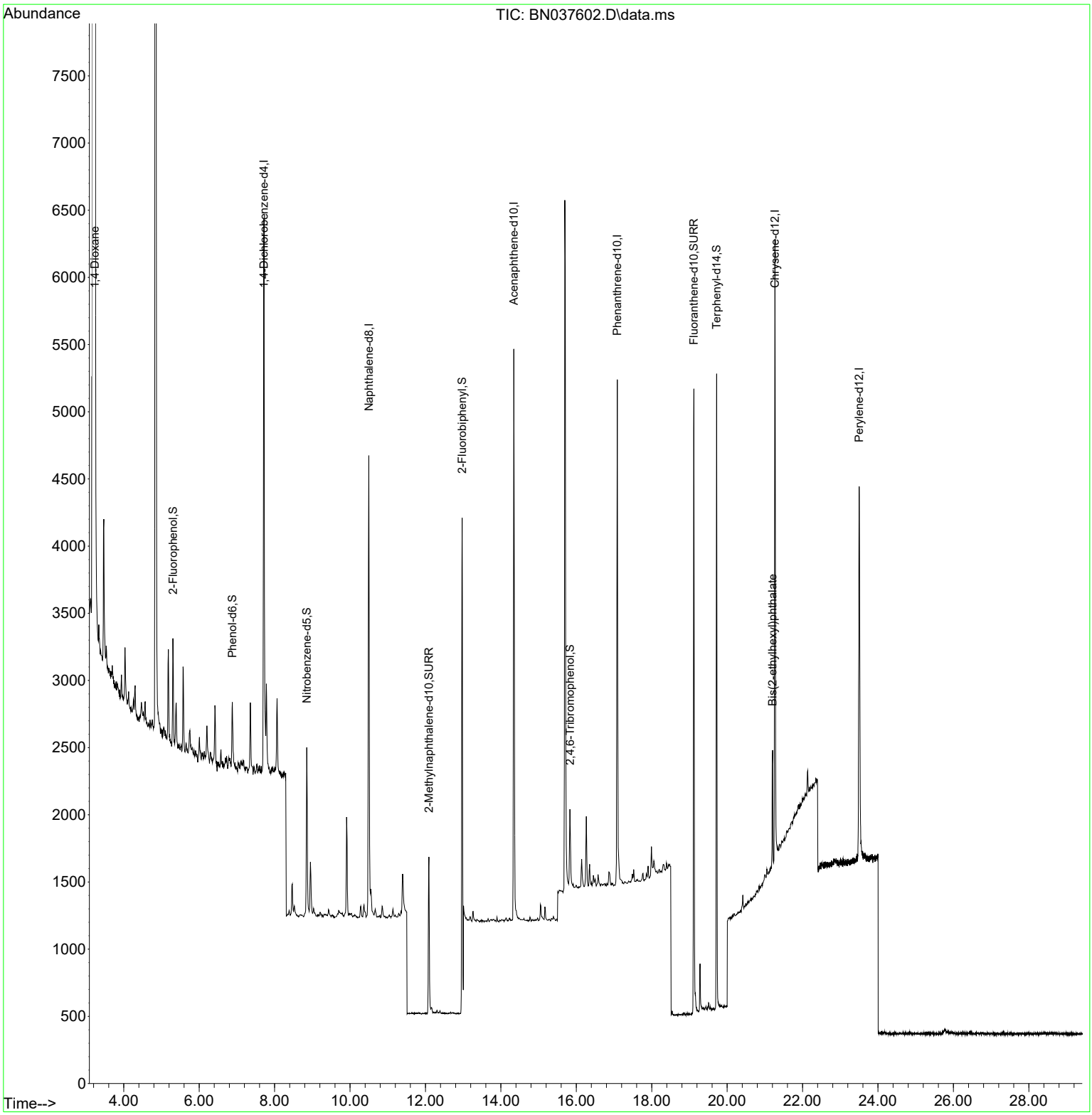
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.717	152	1956	0.400	ng		0.00
7) Naphthalene-d8	10.498	136	4779	0.400	ng		0.00
13) Acenaphthene-d10	14.345	164	2382	0.400	ng		0.00
19) Phenanthrene-d10	17.086	188	5089	0.400	ng		0.00
29) Chrysene-d12	21.268	240	4467	0.400	ng	#	0.00
35) Perylene-d12	23.502	264	3954	0.400	ng		0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.305	112	582	0.131	ng		0.00
5) Phenol-d6	6.879	99	403	0.076	ng		0.00
8) Nitrobenzene-d5	8.854	82	999	0.297	ng		0.00
11) 2-Methylnaphthalene-d10	12.090	152	1716	0.264	ng		0.00
14) 2,4,6-Tribromophenol	15.833	330	359	0.344	ng		0.00
15) 2-Fluorobiphenyl	12.973	172	4796	0.348	ng		0.00
27) Fluoranthene-d10	19.118	212	5055	0.378	ng		0.00
31) Terphenyl-d14	19.722	244	4519	0.492	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.232	88	11619	6.209	ng		99
34) Bis(2-ethylhexyl)phtha...	21.205	149	895	0.145	ng	#	98

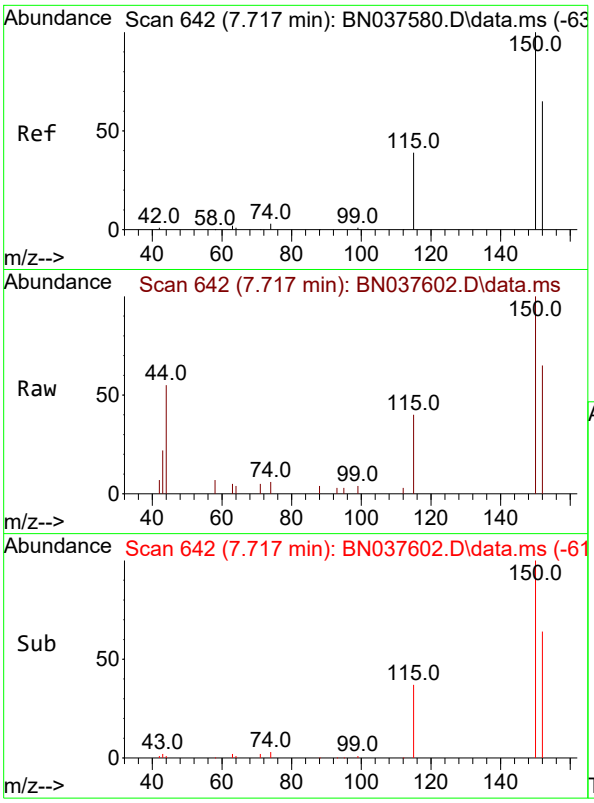
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037602.D
Acq On : 19 Aug 2025 11:52
Operator : RC/JU
Sample : Q2842-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RMW-03B-90.4-081225

Quant Time: Aug 20 01:24:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration



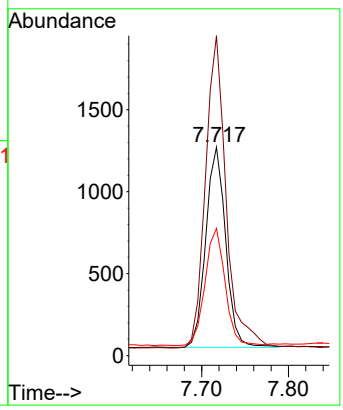


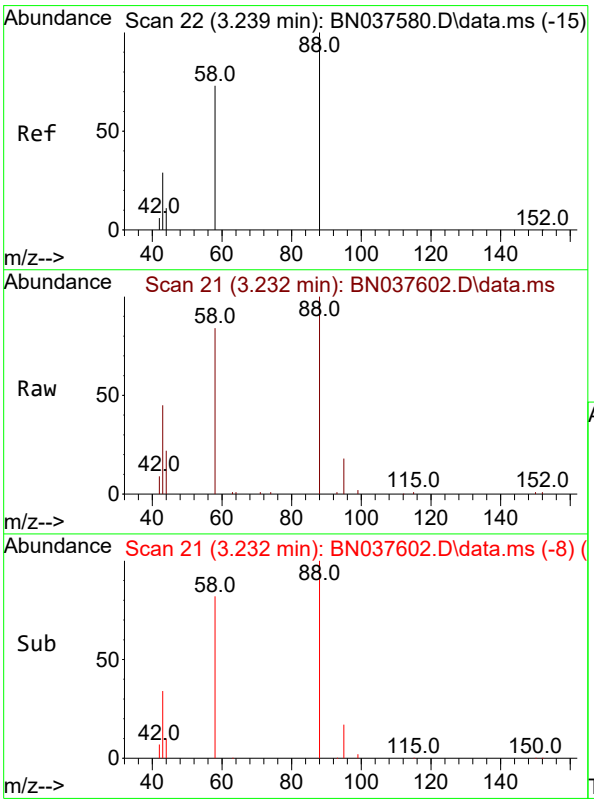
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN037602.D
Acq: 19 Aug 2025 11:52

Instrument :
BNA_N
ClientSampleId :
RMW-03B-90.4-081225

Tgt Ion:152 Resp: 1956

Ion	Ratio	Lower	Upper
152	100		
150	153.5	122.2	183.4
115	61.1	49.8	74.6

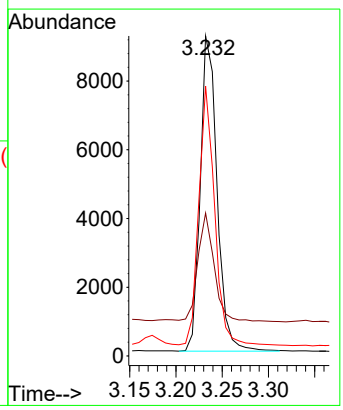


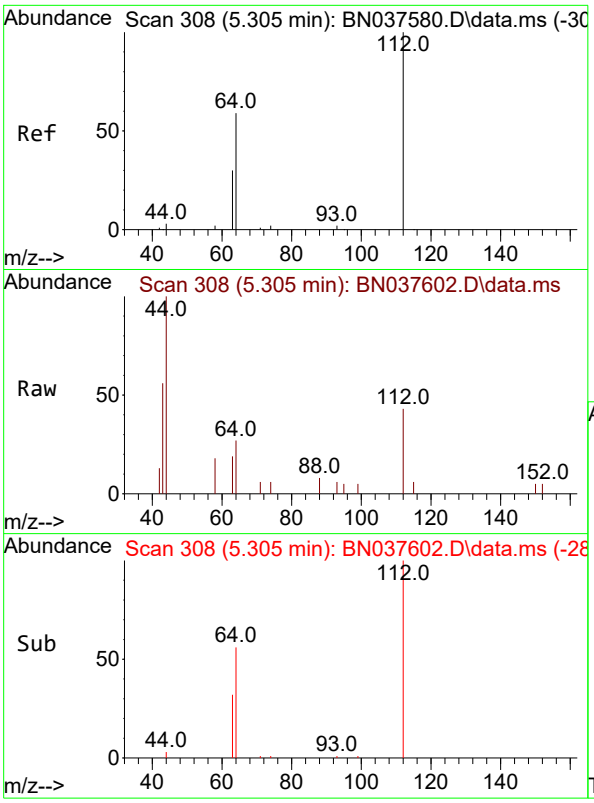


#2
1,4-Dioxane
Concen: 6.209 ng
RT: 3.232 min Scan# 21
Delta R.T. -0.007 min
Lab File: BN037602.D
Acq: 19 Aug 2025 11:52

Tgt Ion: 88 Resp: 11619

Ion	Ratio	Lower	Upper
88	100		
43	33.2	25.8	38.6
58	77.0	61.2	91.8



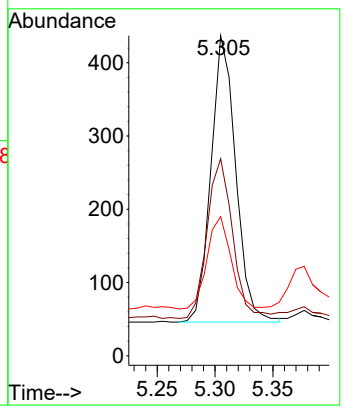


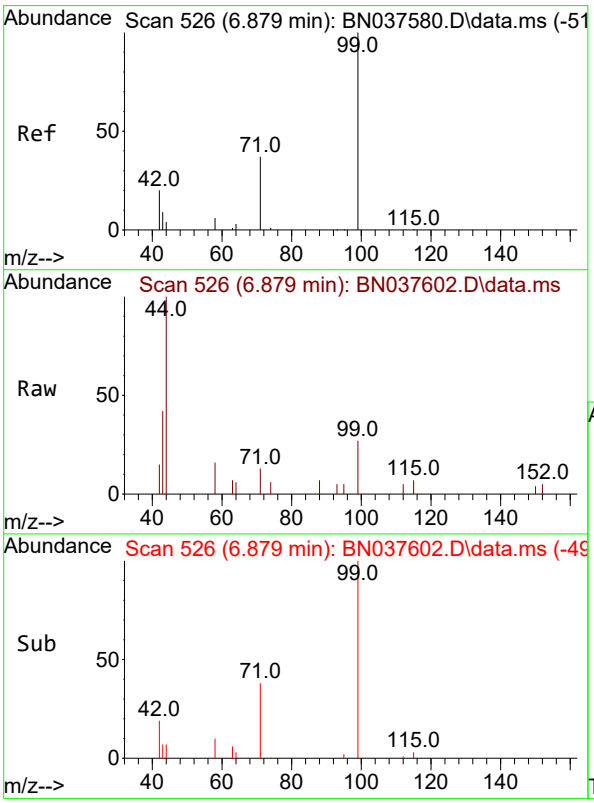
#4
2-Fluorophenol
Concen: 0.131 ng
RT: 5.305 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN037602.D
Acq: 19 Aug 2025 11:52

Instrument :
BNA_N
ClientSampleId :
RMW-03B-90.4-081225

Tgt Ion:112 Resp: 582

Ion	Ratio	Lower	Upper
112	100		
64	57.2	44.9	67.3
63	31.1	23.4	35.2

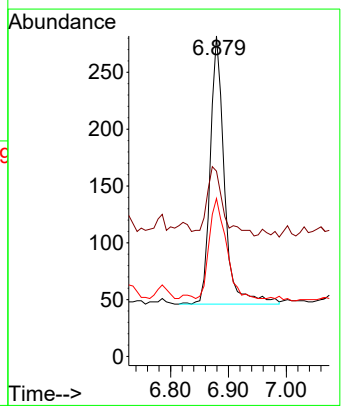


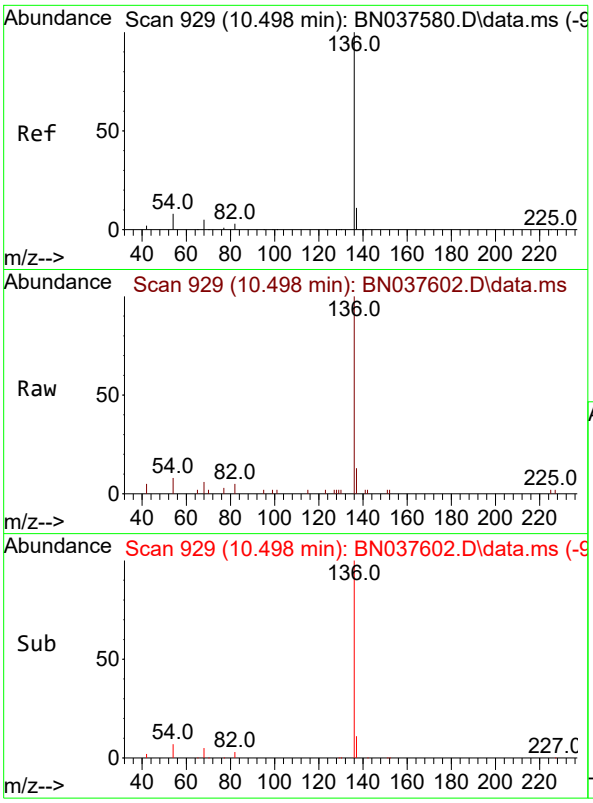


#5
Phenol-d6
Concen: 0.076 ng
RT: 6.879 min Scan# 526
Delta R.T. 0.000 min
Lab File: BN037602.D
Acq: 19 Aug 2025 11:52

Tgt Ion: 99 Resp: 403

Ion	Ratio	Lower	Upper
99	100		
42	29.8	18.5	27.7#
71	46.9	28.6	42.8#



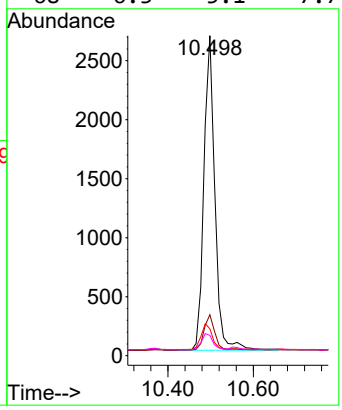


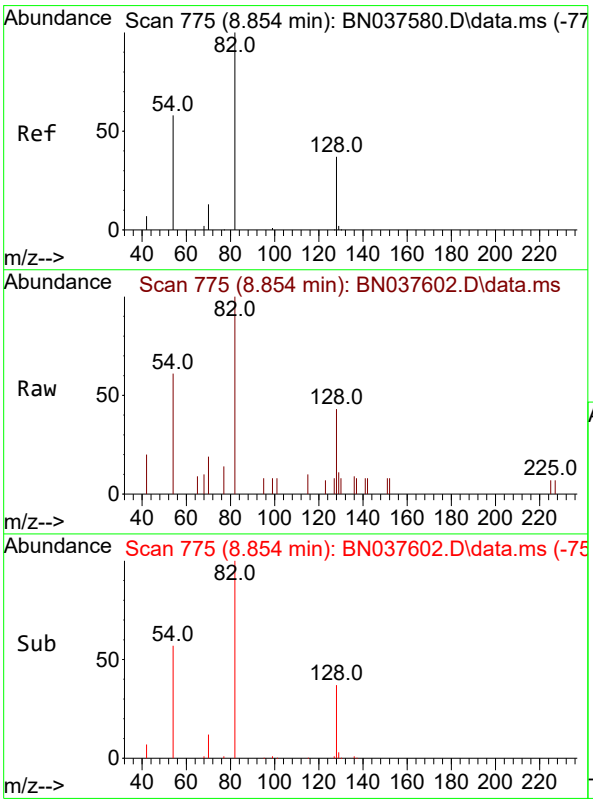
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN037602.D
Acq: 19 Aug 2025 11:52

Instrument :
BNA_N
ClientSampleId :
RMW-03B-90.4-081225

Tgt Ion:136 Resp: 4779

Ion	Ratio	Lower	Upper
136	100		
137	12.8	9.5	14.3
54	8.4	7.3	10.9
68	6.3	5.1	7.7

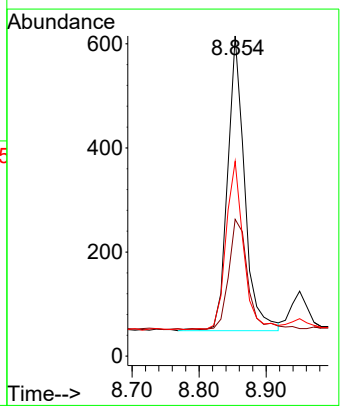


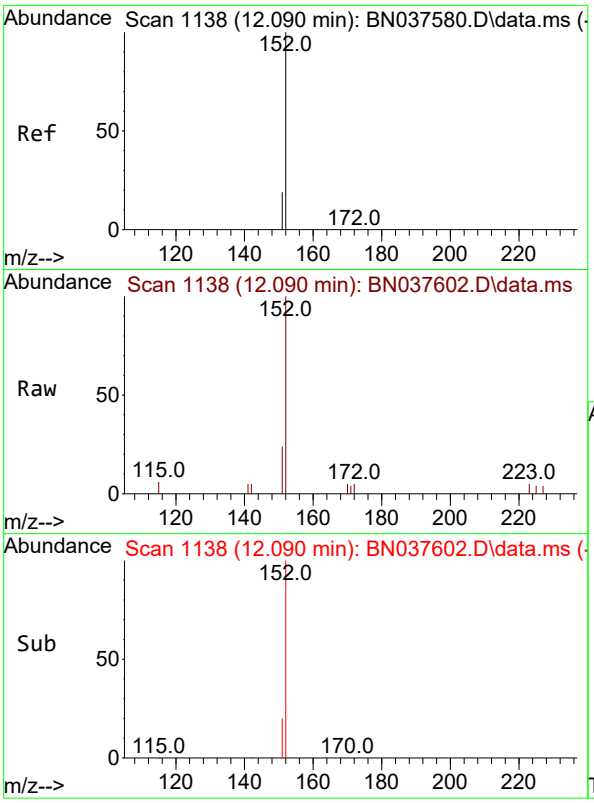


#8
Nitrobenzene-d5
Concen: 0.297 ng
RT: 8.854 min Scan# 775
Delta R.T. 0.000 min
Lab File: BN037602.D
Acq: 19 Aug 2025 11:52

Tgt Ion: 82 Resp: 999

Ion	Ratio	Lower	Upper
82	100		
128	42.8	32.6	48.8
54	60.8	48.9	73.3



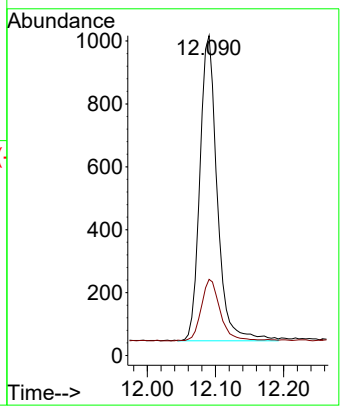


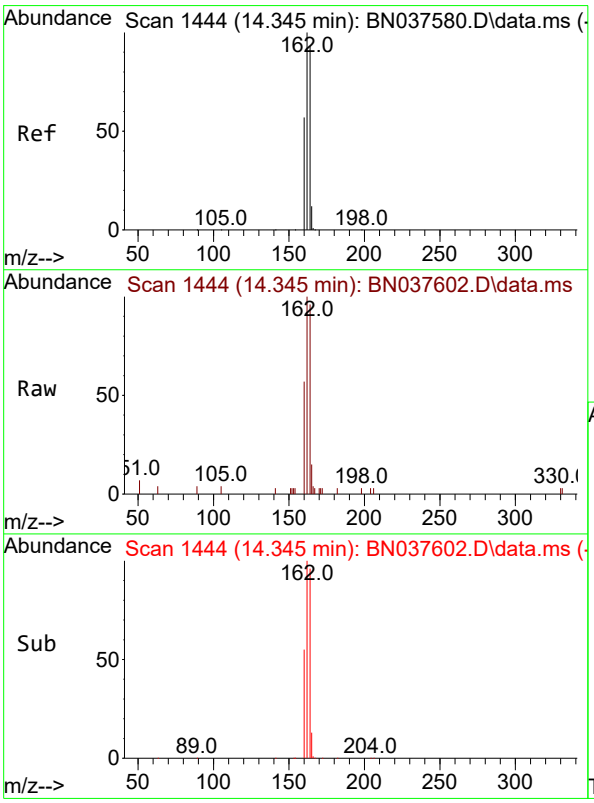
#11
2-Methylnaphthalene-d10
Concen: 0.264 ng
RT: 12.090 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN037602.D
Acq: 19 Aug 2025 11:52

Instrument :
BNA_N
ClientSampleId :
RMW-03B-90.4-081225

Tgt Ion:152 Resp: 1716

Ion	Ratio	Lower	Upper
152	100		
151	21.8	17.3	25.9

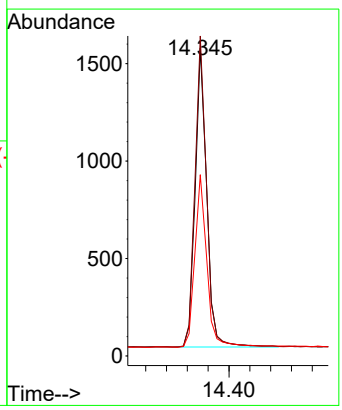


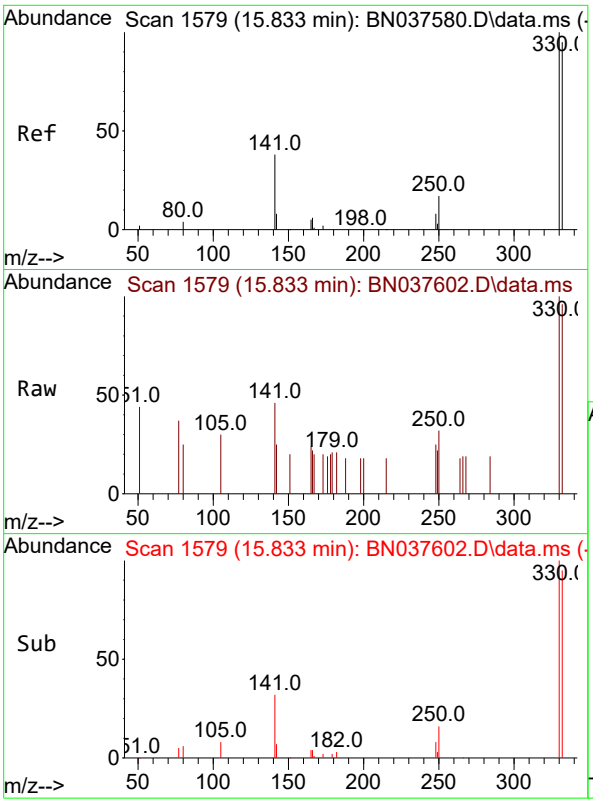


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN037602.D
Acq: 19 Aug 2025 11:52

Tgt Ion:164 Resp: 2382

Ion	Ratio	Lower	Upper
164	100		
162	103.9	85.5	128.3
160	58.9	49.5	74.3



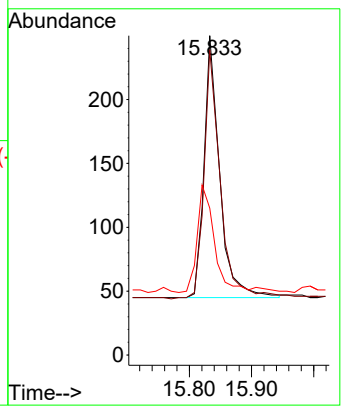


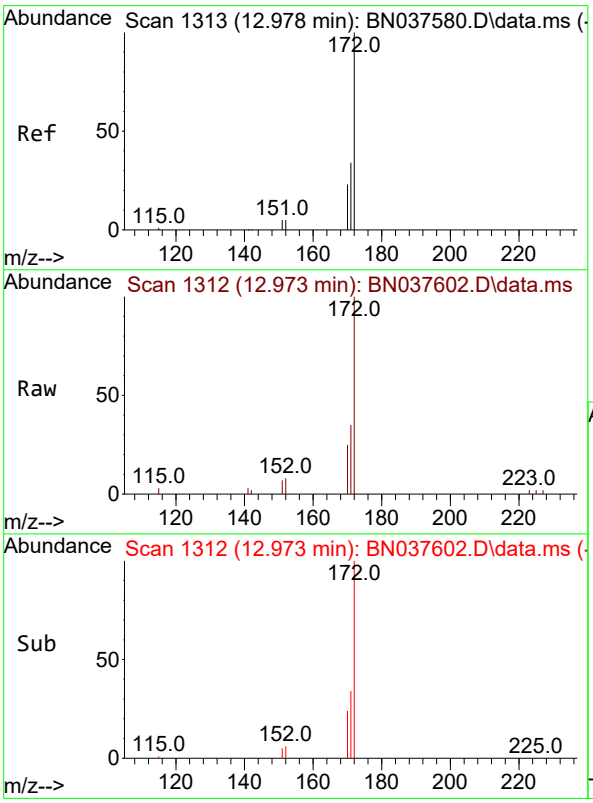
#14
2,4,6-Tribromophenol
Concen: 0.344 ng
RT: 15.833 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037602.D
Acq: 19 Aug 2025 11:52

Instrument :
BNA_N
ClientSampleId :
RMW-03B-90.4-081225

Tgt Ion:330 Resp: 359

Ion	Ratio	Lower	Upper
330	100		
332	100.8	77.4	116.0
141	46.8	30.9	46.3#

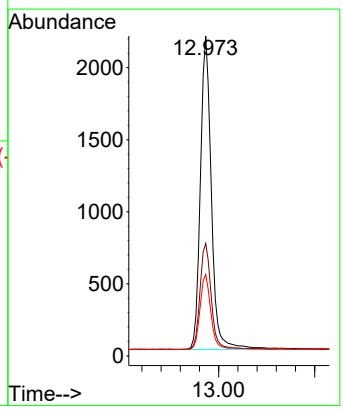


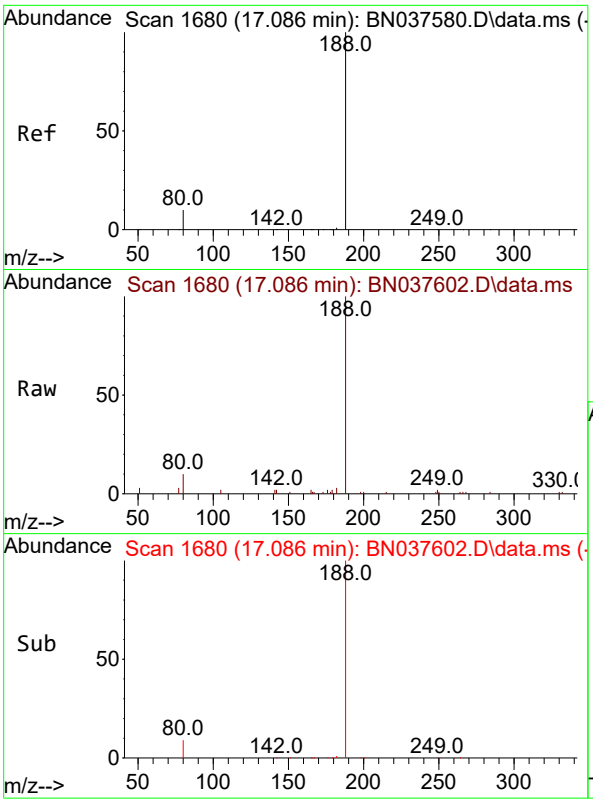


#15
2-Fluorobiphenyl
Concen: 0.348 ng
RT: 12.973 min Scan# 1312
Delta R.T. -0.005 min
Lab File: BN037602.D
Acq: 19 Aug 2025 11:52

Tgt Ion:172 Resp: 4796

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.2	42.4
170	25.5	19.2	28.8



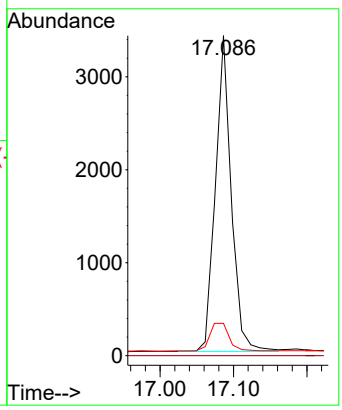


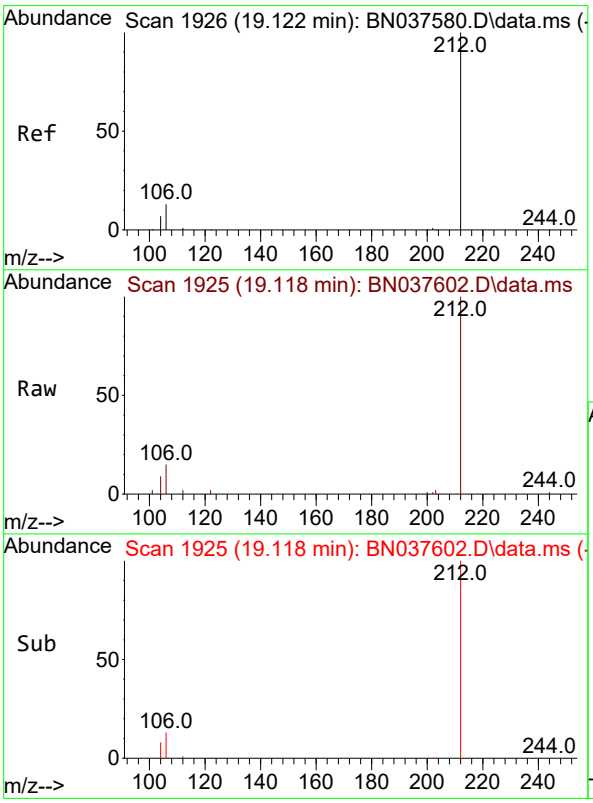
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.086 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN037602.D
Acq: 19 Aug 2025 11:52

Instrument :
BNA_N
ClientSampleId :
RMW-03B-90.4-081225

Tgt Ion:188 Resp: 5089

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	10.1	9.1	13.7

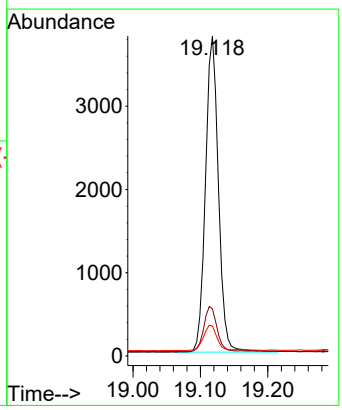


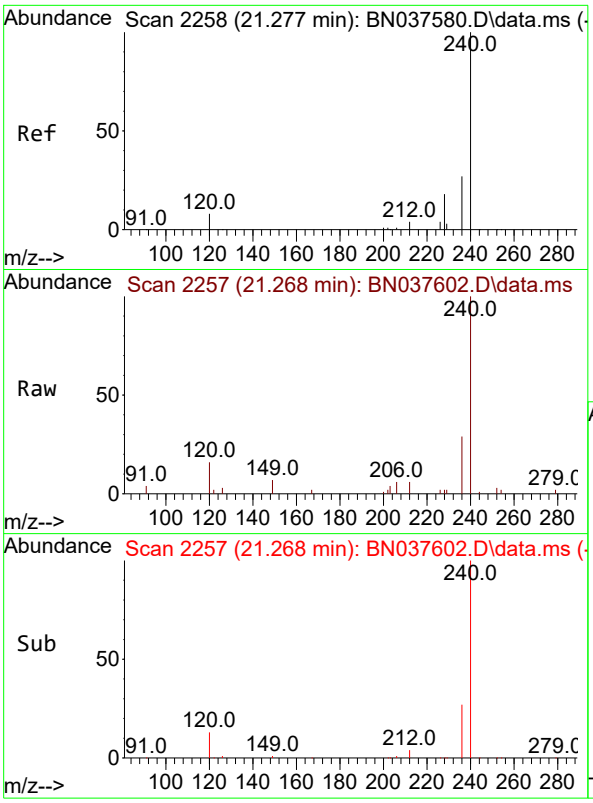


#27
Fluoranthene-d10
Concen: 0.378 ng
RT: 19.118 min Scan# 1925
Delta R.T. -0.005 min
Lab File: BN037602.D
Acq: 19 Aug 2025 11:52

Tgt Ion:212 Resp: 5055

Ion	Ratio	Lower	Upper
212	100		
106	14.9	11.5	17.3
104	8.3	6.6	9.8



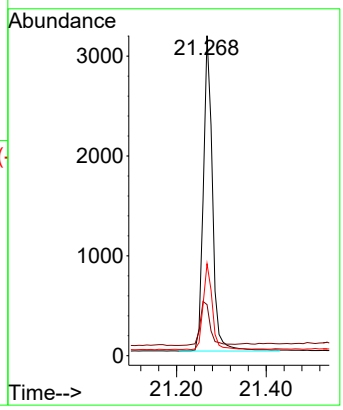


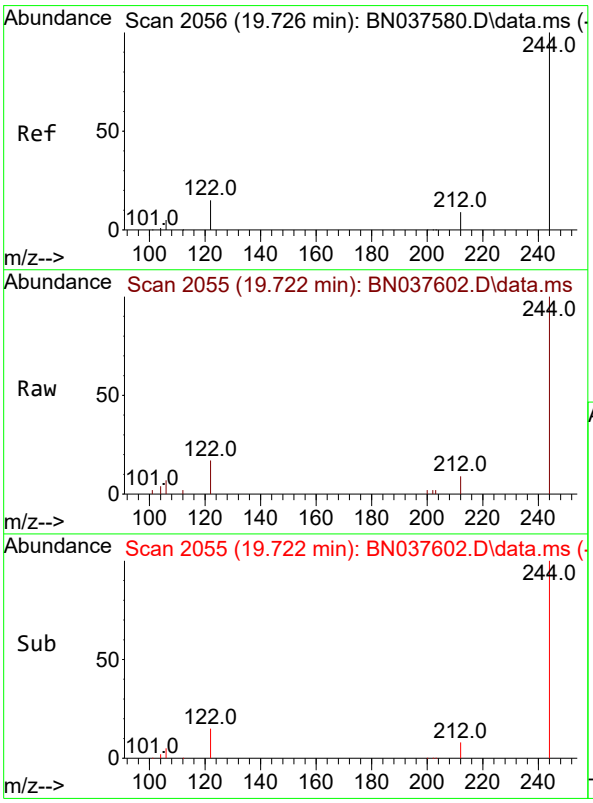
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.268 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037602.D
Acq: 19 Aug 2025 11:52

Instrument :
BNA_N
ClientSampleId :
RMW-03B-90.4-081225

Tgt Ion:240 Resp: 4467

Ion	Ratio	Lower	Upper
240	100		
120	16.0	8.9	13.3#
236	28.7	22.6	33.8

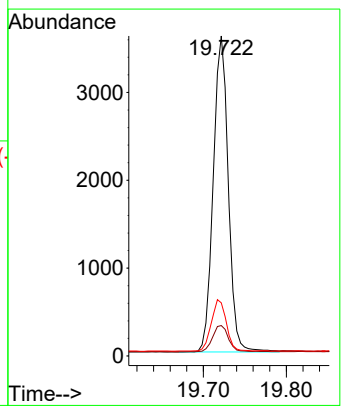


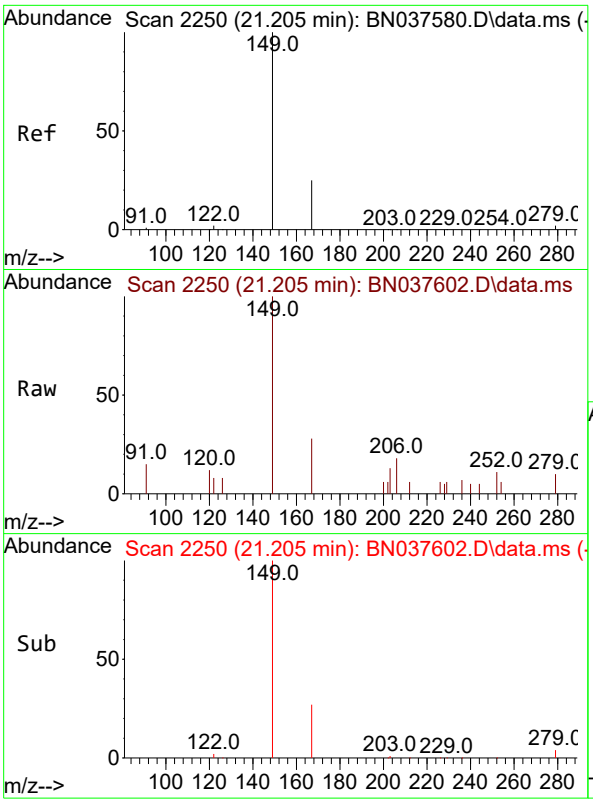


#31
Terphenyl-d14
Concen: 0.492 ng
RT: 19.722 min Scan# 2055
Delta R.T. -0.005 min
Lab File: BN037602.D
Acq: 19 Aug 2025 11:52

Tgt Ion:244 Resp: 4519

Ion	Ratio	Lower	Upper
244	100		
212	9.5	8.2	12.2
122	16.6	13.2	19.8



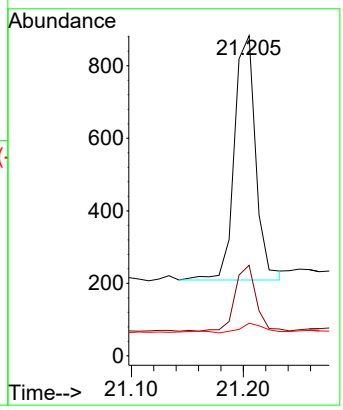


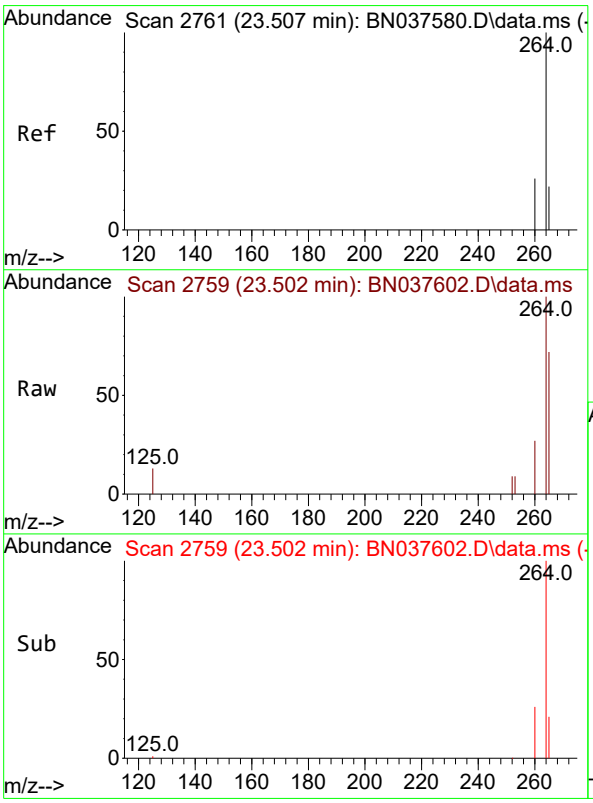
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.145 ng
RT: 21.205 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037602.D
Acq: 19 Aug 2025 11:52

Instrument :
BNA_N
ClientSampleId :
RMW-03B-90.4-081225

Tgt Ion:149 Resp: 895

Ion	Ratio	Lower	Upper
149	100		
167	26.7	20.5	30.7
279	4.7	2.6	4.0#

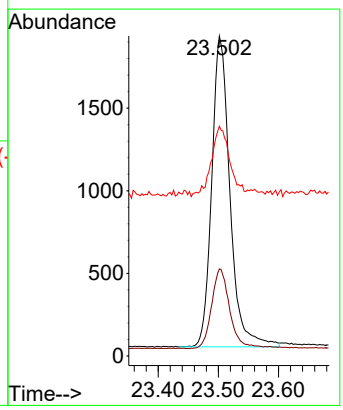




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.502 min Scan# 2759
Delta R.T. -0.006 min
Lab File: BN037602.D
Acq: 19 Aug 2025 11:52

Tgt Ion:264 Resp: 3954

Ion	Ratio	Lower	Upper
264	100		
260	27.2	21.6	32.4
265	71.8	48.2	72.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037620.D
Acq On : 20 Aug 2025 05:27
Operator : RC/JU
Sample : Q2842-01DL 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RMW-03B-90.4-081225DL

Quant Time: Aug 20 06:13:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration

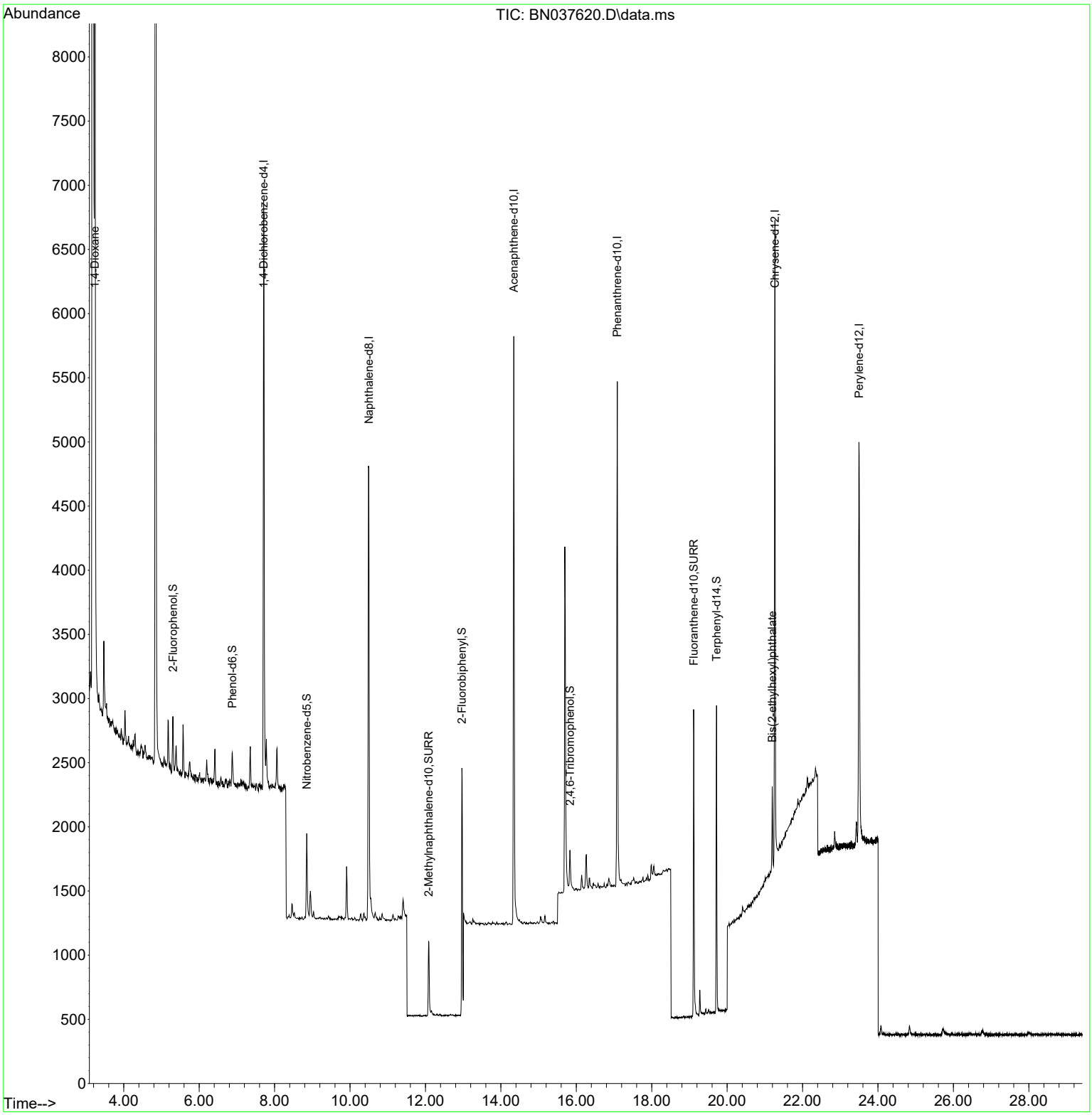
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.710	152	2332	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	5464	0.400	ng	0.00
13) Acenaphthene-d10	14.345	164	2692	0.400	ng	0.00
19) Phenanthrene-d10	17.087	188	5770	0.400	ng	0.00
29) Chrysene-d12	21.268	240	4774	0.400	ng	0.00
35) Perylene-d12	23.496	264	4470	0.400	ng	-0.01
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	333	0.063	ng	0.00
5) Phenol-d6	6.879	99	219	0.034	ng	0.00
8) Nitrobenzene-d5	8.854	82	567	0.147	ng	0.00
11) 2-Methylnaphthalene-d10	12.086	152	922	0.124	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	210	0.178	ng	0.00
15) 2-Fluorobiphenyl	12.968	172	2639	0.170	ng	0.00
27) Fluoranthene-d10	19.113	212	2639	0.174	ng	0.00
31) Terphenyl-d14	19.717	244	2370	0.241	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.232	88	6690	2.999	ng	99
34) Bis(2-ethylhexyl)phtha...	21.196	149	629	0.096	ng	96

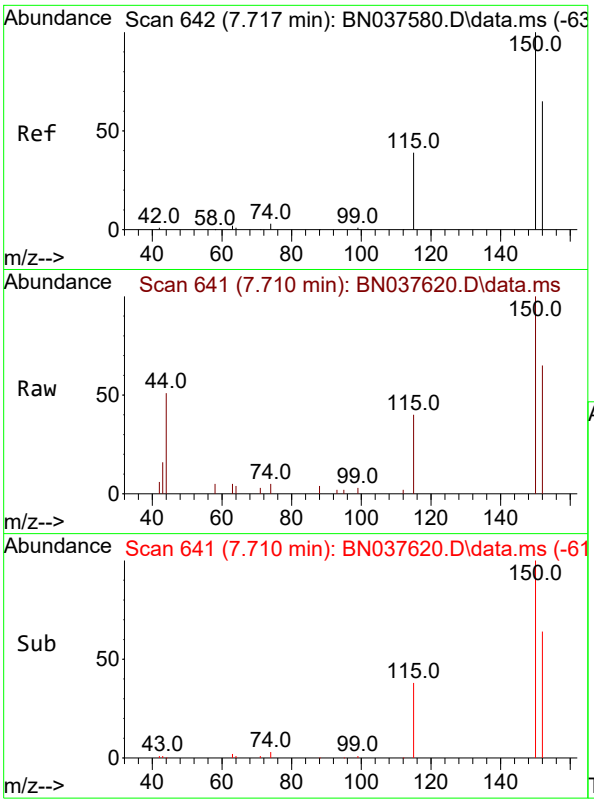
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037620.D
Acq On : 20 Aug 2025 05:27
Operator : RC/JU
Sample : Q2842-01DL 2X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RMW-03B-90.4-081225DL

Quant Time: Aug 20 06:13:53 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration



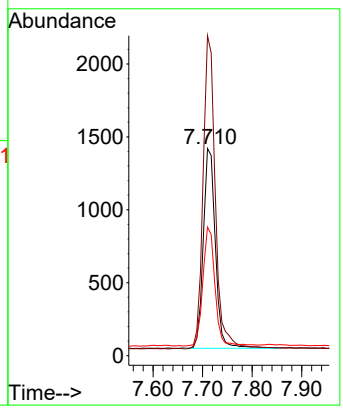


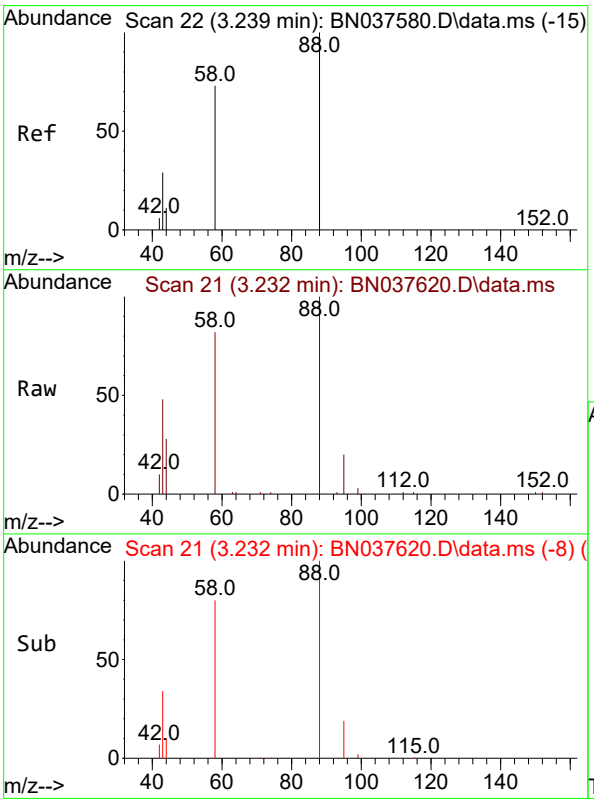
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.710 min Scan# 64
Delta R.T. -0.007 min
Lab File: BN037620.D
Acq: 20 Aug 2025 05:27

Instrument :
BNA_N
ClientSampleId :
RMW-03B-90.4-081225DL

Tgt Ion:152 Resp: 2332

Ion	Ratio	Lower	Upper
152	100		
150	154.4	122.2	183.4
115	62.1	49.8	74.6

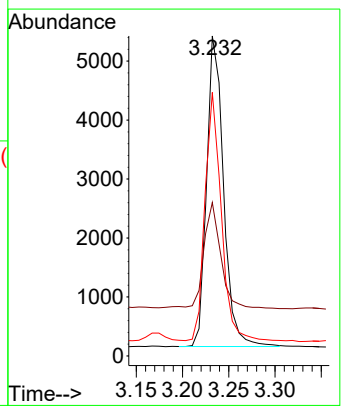


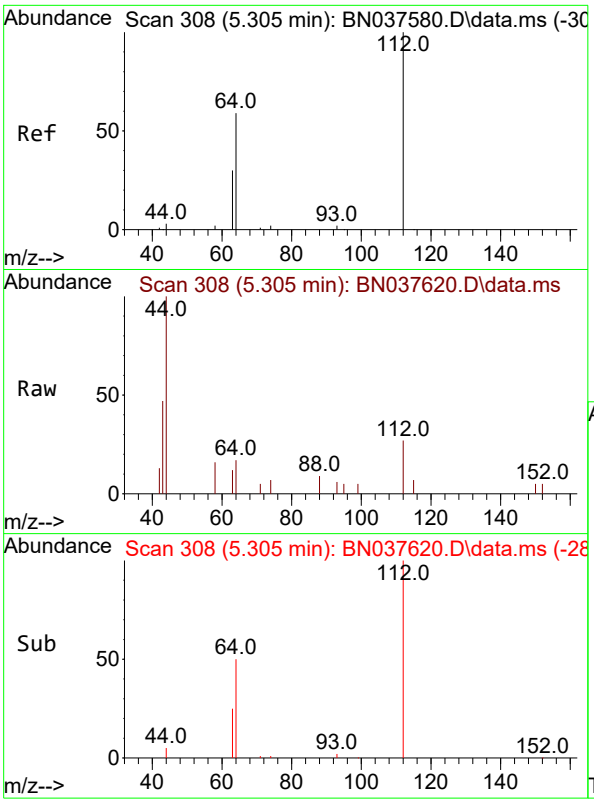


#2
1,4-Dioxane
Concen: 2.999 ng
RT: 3.232 min Scan# 21
Delta R.T. -0.007 min
Lab File: BN037620.D
Acq: 20 Aug 2025 05:27

Tgt Ion: 88 Resp: 6690

Ion	Ratio	Lower	Upper
88	100		
43	34.5	25.8	38.6
58	76.6	61.2	91.8



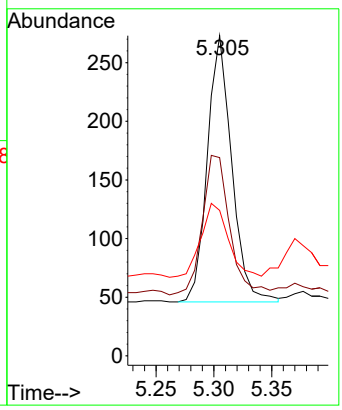


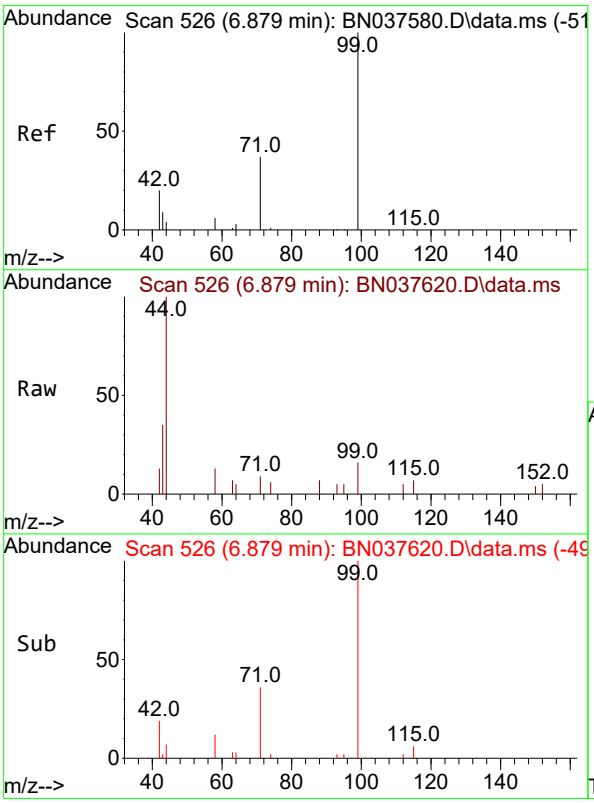
#4
2-Fluorophenol
Concen: 0.063 ng
RT: 5.305 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN037620.D
Acq: 20 Aug 2025 05:27

Instrument :
BNA_N
ClientSampleId :
RMW-03B-90.4-081225DL

Tgt Ion:112 Resp: 333

Ion	Ratio	Lower	Upper
112	100		
64	58.6	44.9	67.3
63	31.8	23.4	35.2

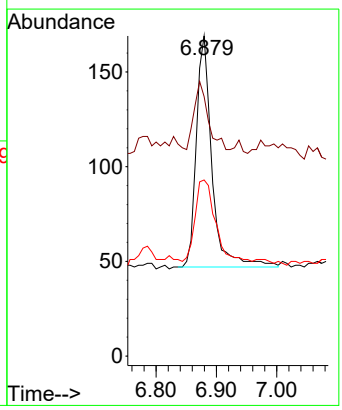


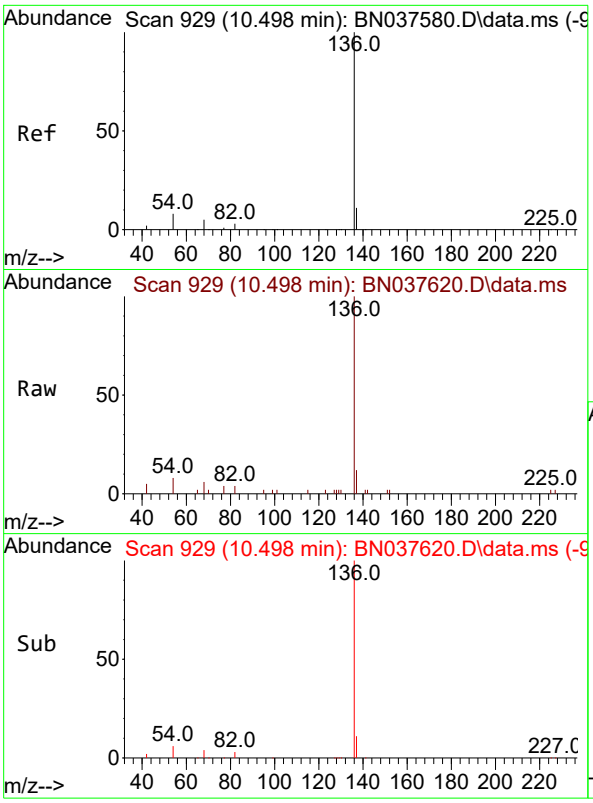


#5
Phenol-d6
Concen: 0.034 ng
RT: 6.879 min Scan# 526
Delta R.T. 0.000 min
Lab File: BN037620.D
Acq: 20 Aug 2025 05:27

Tgt Ion: 99 Resp: 219

Ion	Ratio	Lower	Upper
99	100		
42	26.0	18.5	27.7
71	47.5	28.6	42.8#



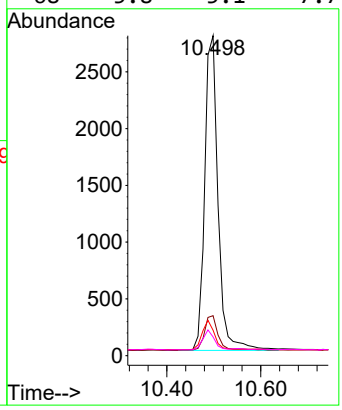


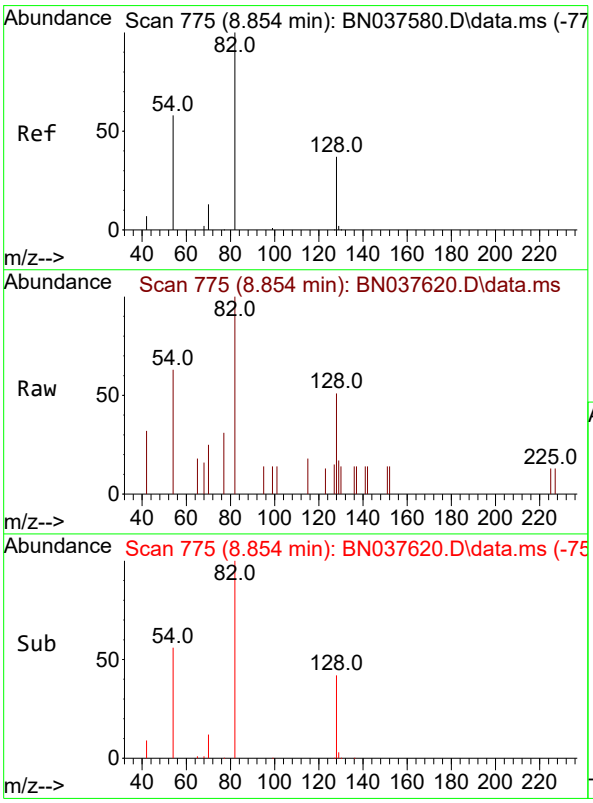
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN037620.D
Acq: 20 Aug 2025 05:27

Instrument :
BNA_N
ClientSampleId :
RMW-03B-90.4-081225DL

Tgt Ion:136 Resp: 5464

Ion	Ratio	Lower	Upper
136	100		
137	12.5	9.5	14.3
54	7.9	7.3	10.9
68	5.8	5.1	7.7

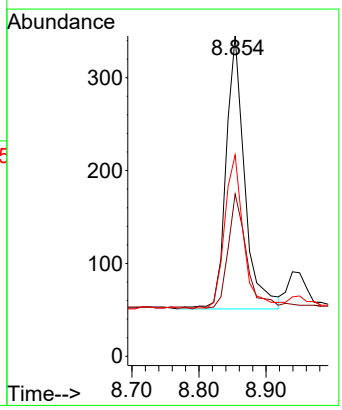


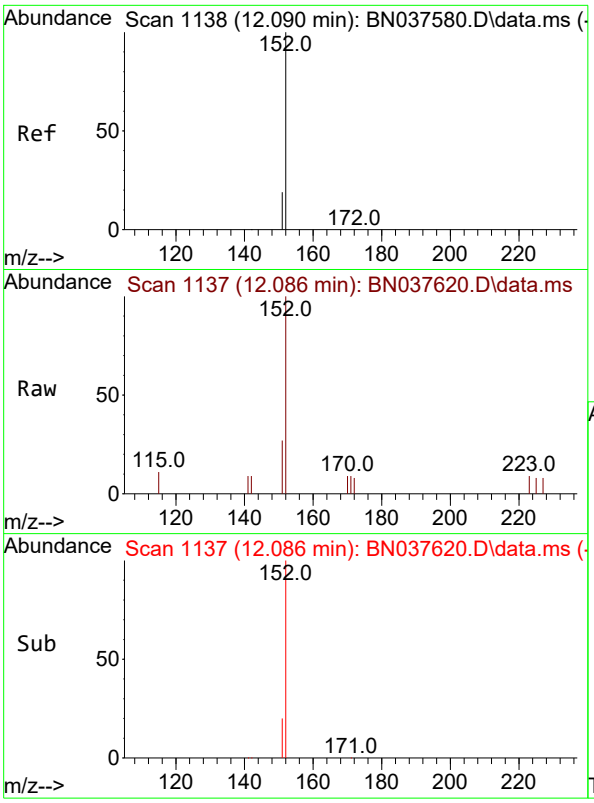


#8
Nitrobenzene-d5
Concen: 0.147 ng
RT: 8.854 min Scan# 775
Delta R.T. 0.000 min
Lab File: BN037620.D
Acq: 20 Aug 2025 05:27

Tgt Ion: 82 Resp: 567

Ion	Ratio	Lower	Upper
82	100		
128	50.7	32.6	48.8#
54	62.9	48.9	73.3



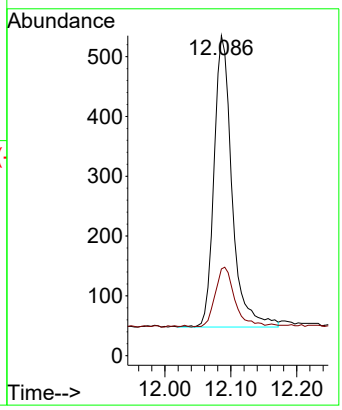


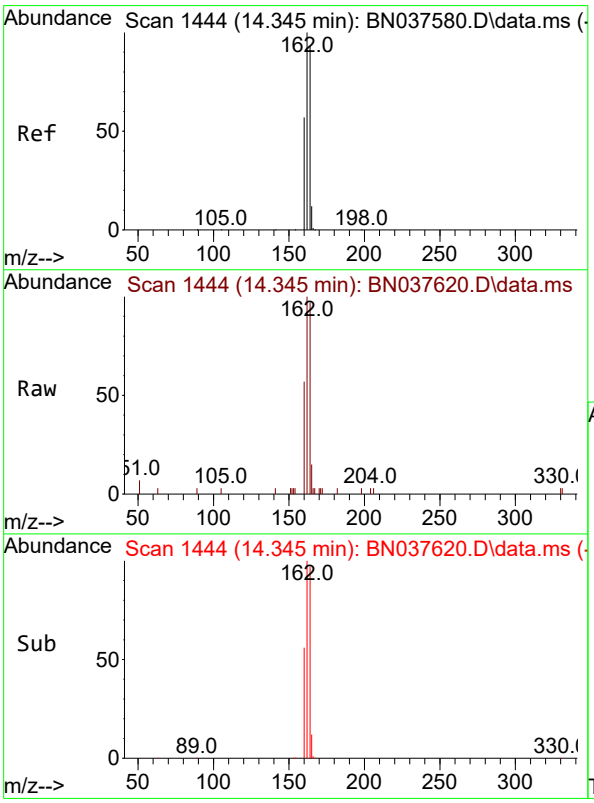
#11
2-Methylnaphthalene-d10
Concen: 0.124 ng
RT: 12.086 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037620.D
Acq: 20 Aug 2025 05:27

Instrument :
BNA_N
ClientSampleId :
RMW-03B-90.4-081225DL

Tgt Ion:152 Resp: 922

Ion	Ratio	Lower	Upper
152	100		
151	22.5	17.3	25.9

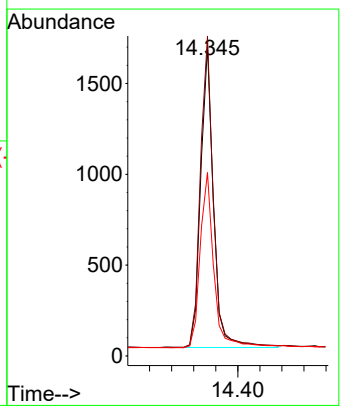


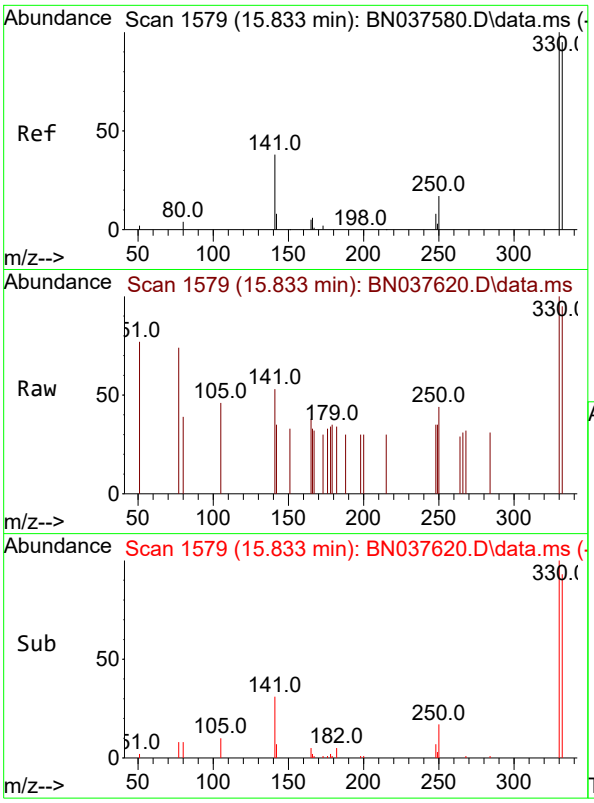


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN037620.D
Acq: 20 Aug 2025 05:27

Tgt Ion:164 Resp: 2692

Ion	Ratio	Lower	Upper
164	100		
162	103.3	85.5	128.3
160	59.2	49.5	74.3



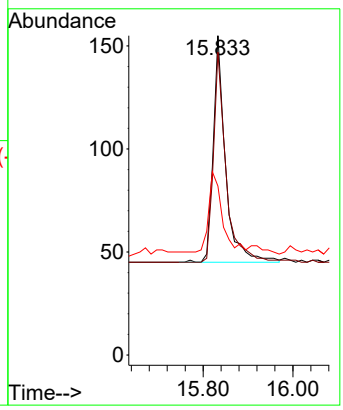


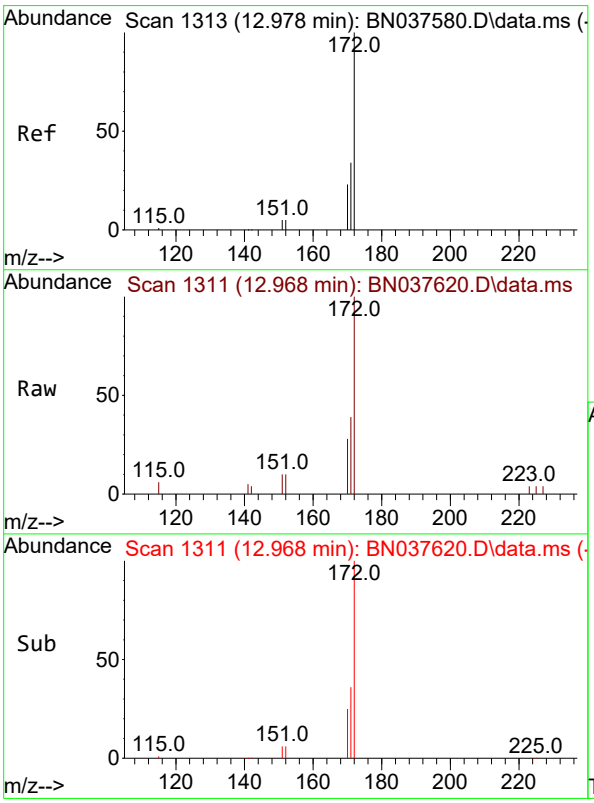
#14
2,4,6-Tribromophenol
Concen: 0.178 ng
RT: 15.833 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037620.D
Acq: 20 Aug 2025 05:27

Instrument :
BNA_N
ClientSampleId :
RMW-03B-90.4-081225DL

Tgt Ion:330 Resp: 210

Ion	Ratio	Lower	Upper
330	100		
332	93.8	77.4	116.0
141	38.1	30.9	46.3

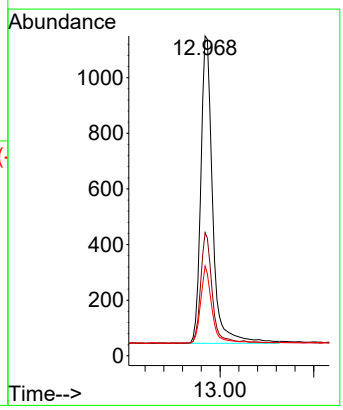


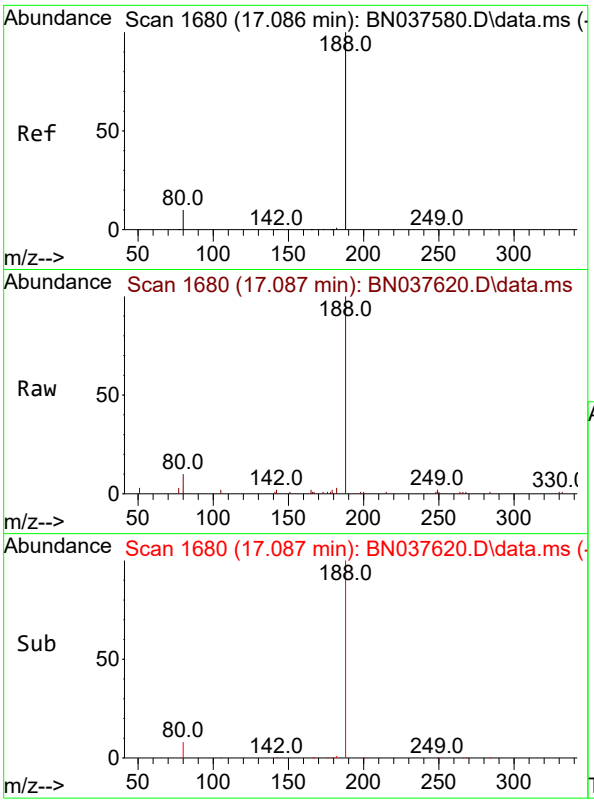


#15
2-Fluorobiphenyl
Concen: 0.170 ng
RT: 12.968 min Scan# 1311
Delta R.T. -0.010 min
Lab File: BN037620.D
Acq: 20 Aug 2025 05:27

Tgt Ion:172 Resp: 2639

Ion	Ratio	Lower	Upper
172	100		
171	38.5	28.2	42.4
170	28.1	19.2	28.8



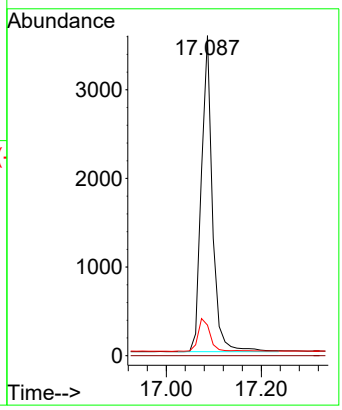


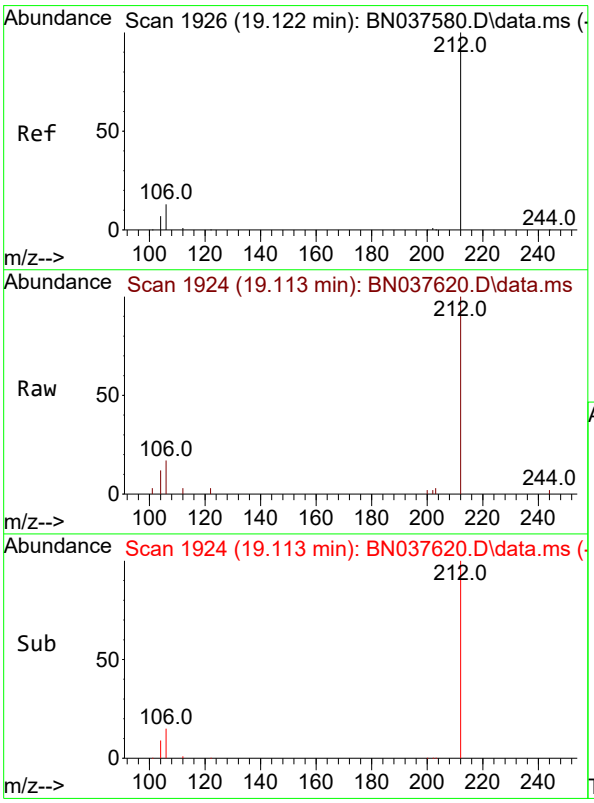
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.087 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037620.D
Acq: 20 Aug 2025 05:27

Instrument :
BNA_N
ClientSampleId :
RMW-03B-90.4-081225DL

Tgt Ion:188 Resp: 5770

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.6	9.1	13.7

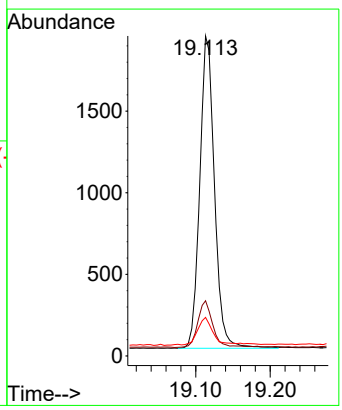


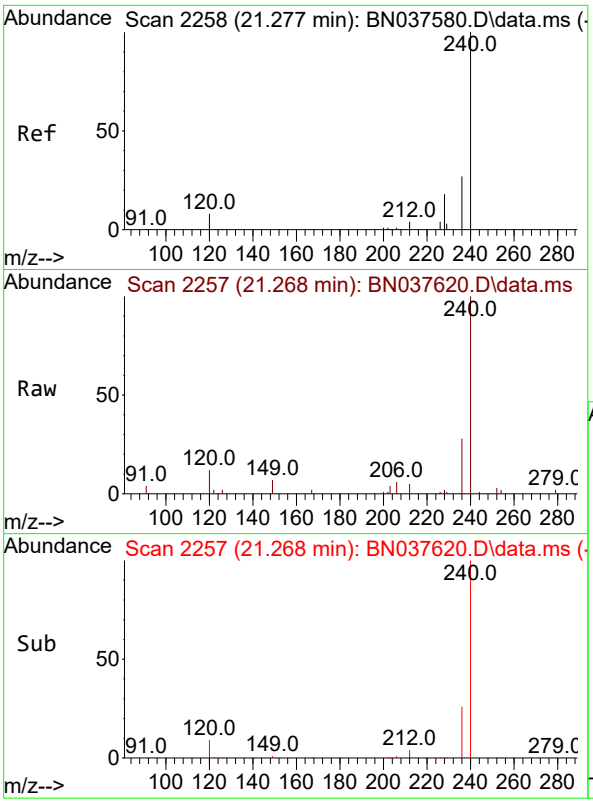


#27
Fluoranthene-d10
Concen: 0.174 ng
RT: 19.113 min Scan# 1924
Delta R.T. -0.009 min
Lab File: BN037620.D
Acq: 20 Aug 2025 05:27

Tgt Ion:212 Resp: 2639

Ion	Ratio	Lower	Upper
212	100		
106	15.1	11.5	17.3
104	9.0	6.6	9.8



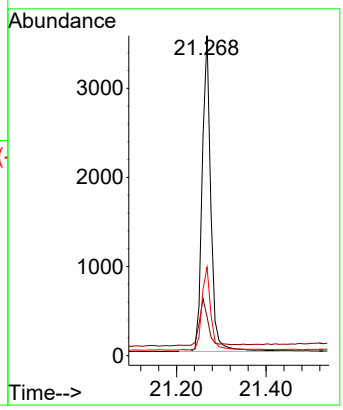


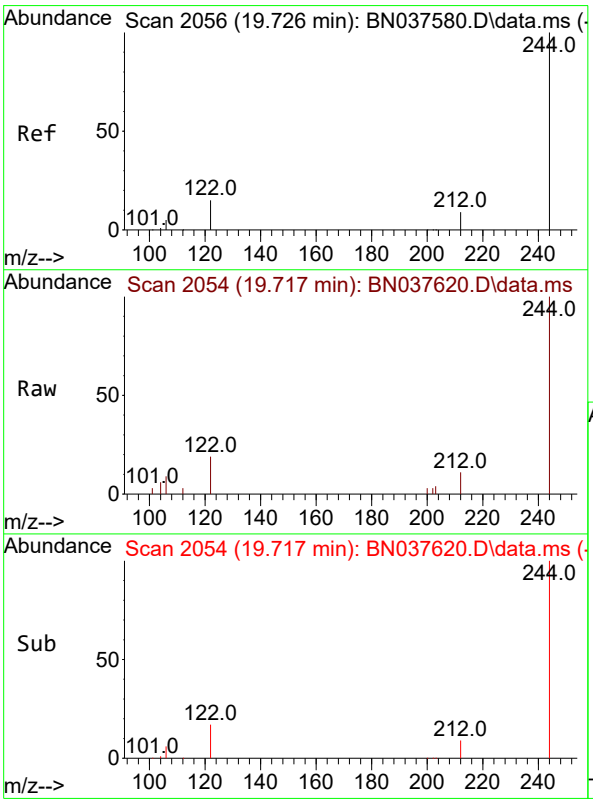
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.268 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037620.D
Acq: 20 Aug 2025 05:27

Instrument :
BNA_N
ClientSampleId :
RMW-03B-90.4-081225DL

Tgt Ion:240 Resp: 4774

Ion	Ratio	Lower	Upper
240	100		
120	12.2	8.9	13.3
236	27.7	22.6	33.8

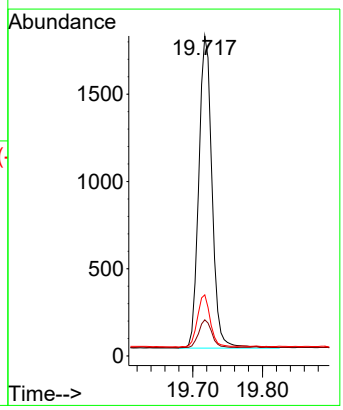


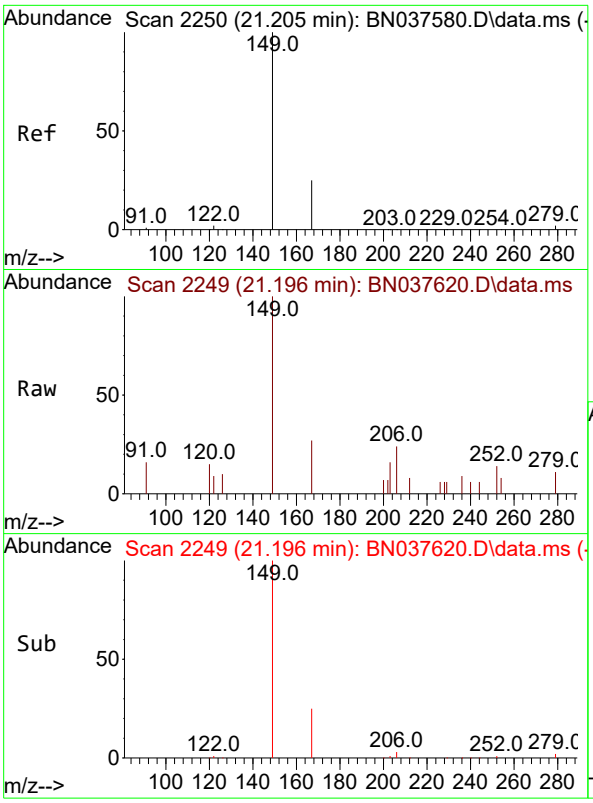


#31
Terphenyl-d14
Concen: 0.241 ng
RT: 19.717 min Scan# 2054
Delta R.T. -0.009 min
Lab File: BN037620.D
Acq: 20 Aug 2025 05:27

Tgt Ion:244 Resp: 2370

Ion	Ratio	Lower	Upper
244	100		
212	11.3	8.2	12.2
122	19.1	13.2	19.8



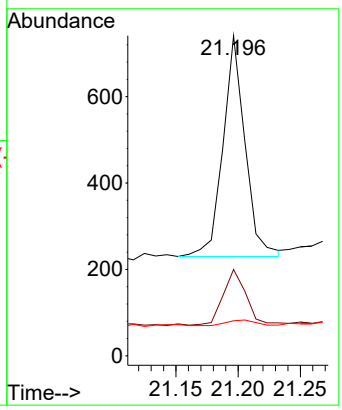


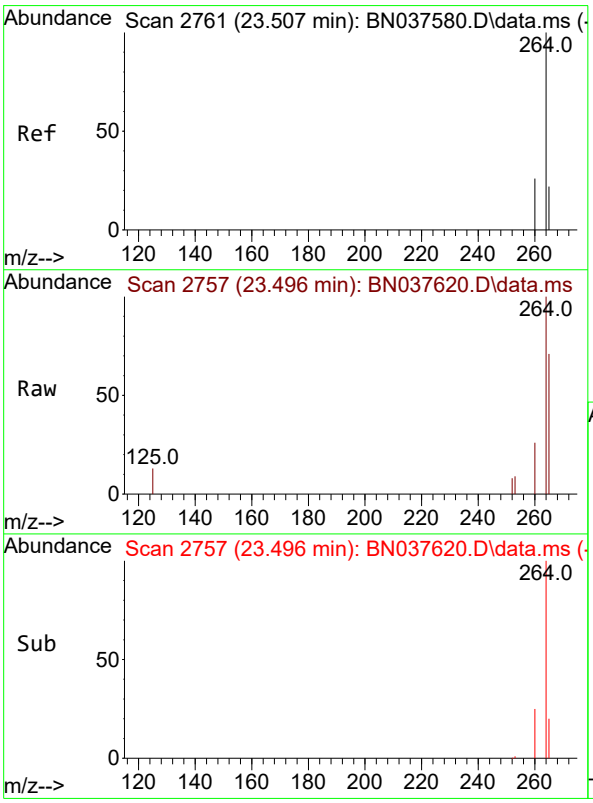
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.096 ng
RT: 21.196 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037620.D
Acq: 20 Aug 2025 05:27

Instrument :
BNA_N
ClientSampleId :
RMW-03B-90.4-081225DL

Tgt Ion:149 Resp: 629

Ion	Ratio	Lower	Upper
149	100		
167	27.7	20.5	30.7
279	3.2	2.6	4.0

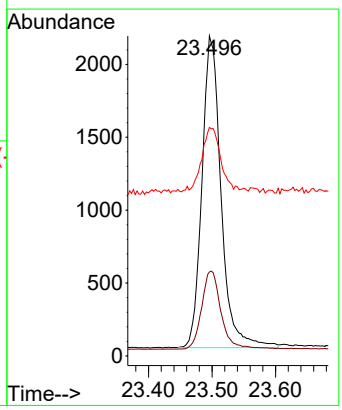




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.496 min Scan# 2757
Delta R.T. -0.011 min
Lab File: BN037620.D
Acq: 20 Aug 2025 05:27

Tgt Ion:264 Resp: 4470

Ion	Ratio	Lower	Upper
264	100		
260	26.2	21.6	32.4
265	71.4	48.2	72.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037603.D
Acq On : 19 Aug 2025 12:28
Operator : RC/JU
Sample : Q2842-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RMW-02B-66.3-081225

Quant Time: Aug 20 01:25:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration

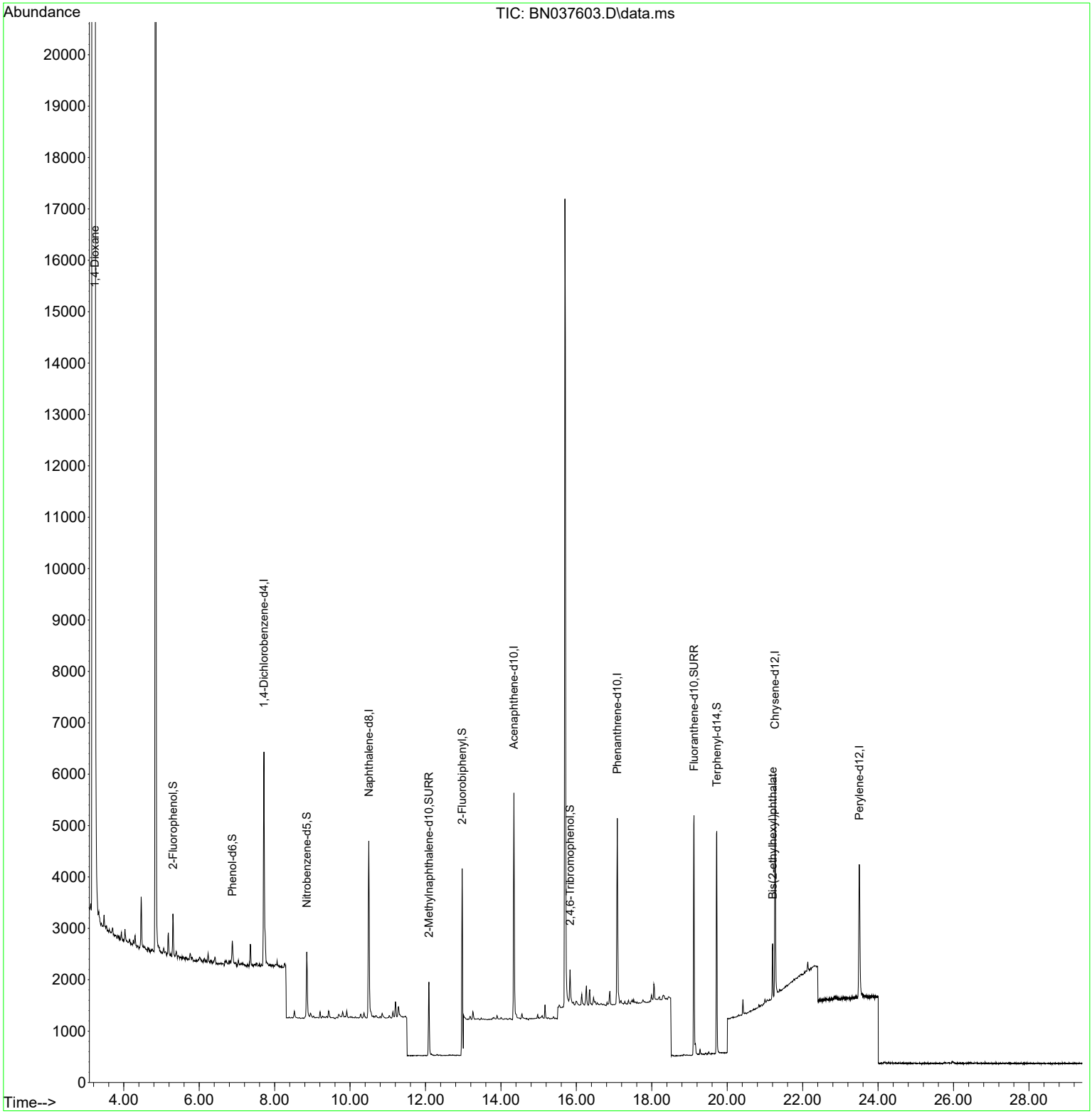
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	2003	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	4852	0.400	ng	0.00
13) Acenaphthene-d10	14.345	164	2452	0.400	ng	0.00
19) Phenanthrene-d10	17.087	188	5058	0.400	ng	0.00
29) Chrysene-d12	21.268	240	4260	0.400	ng	# 0.00
35) Perylene-d12	23.502	264	3745	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	628	0.138	ng	0.00
5) Phenol-d6	6.880	99	423	0.077	ng	0.00
8) Nitrobenzene-d5	8.854	82	1127	0.330	ng	0.00
11) 2-Methylnaphthalene-d10	12.091	152	2003	0.304	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	394	0.367	ng	0.00
15) 2-Fluorobiphenyl	12.973	172	4739	0.334	ng	0.00
27) Fluoranthene-d10	19.118	212	5190	0.390	ng	0.00
31) Terphenyl-d14	19.722	244	4279	0.488	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.232	88	42068	21.952	ng	99
34) Bis(2-ethylhexyl)phtha...	21.205	149	1082	0.184	ng	99

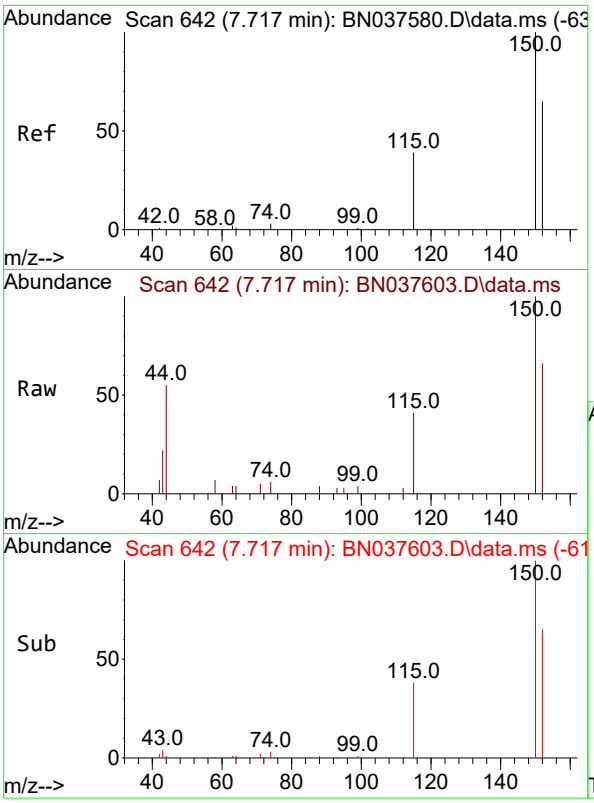
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037603.D
Acq On : 19 Aug 2025 12:28
Operator : RC/JU
Sample : Q2842-02
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RMW-02B-66.3-081225

Quant Time: Aug 20 01:25:09 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration



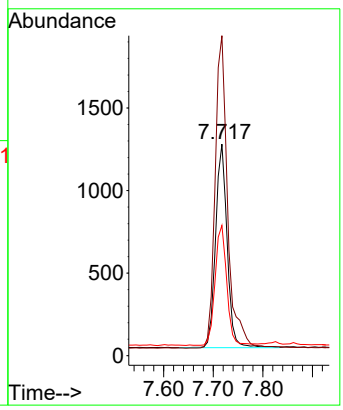


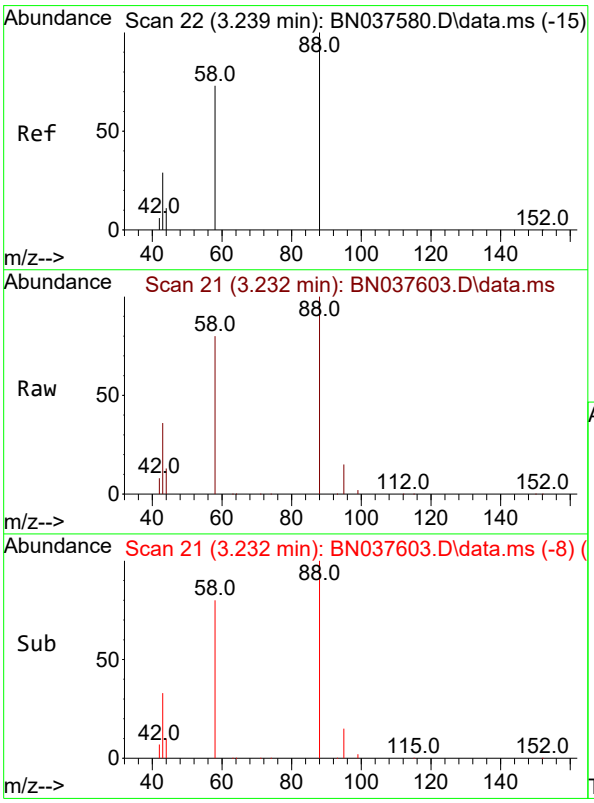
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN037603.D
Acq: 19 Aug 2025 12:28

Instrument :
BNA_N
ClientSampleId :
RMW-02B-66.3-081225

Tgt Ion:152 Resp: 2003

Ion	Ratio	Lower	Upper
152	100		
150	151.3	122.2	183.4
115	61.6	49.8	74.6

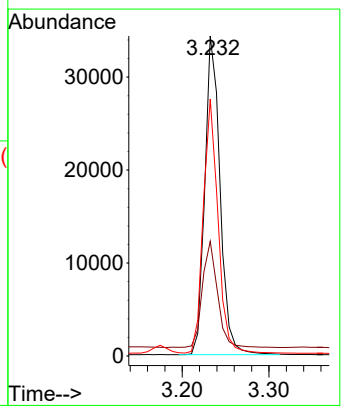


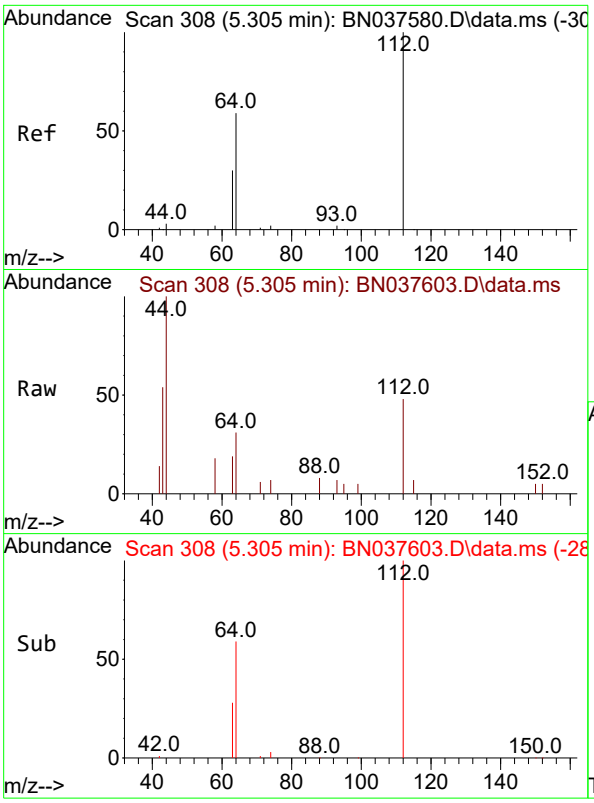


#2
1,4-Dioxane
Concen: 21.952 ng
RT: 3.232 min Scan# 21
Delta R.T. -0.007 min
Lab File: BN037603.D
Acq: 19 Aug 2025 12:28

Tgt Ion: 88 Resp: 42068

Ion	Ratio	Lower	Upper
88	100		
43	32.8	25.8	38.6
58	76.8	61.2	91.8



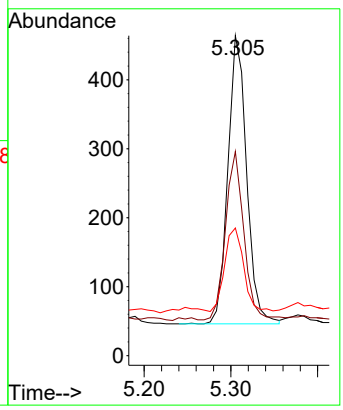


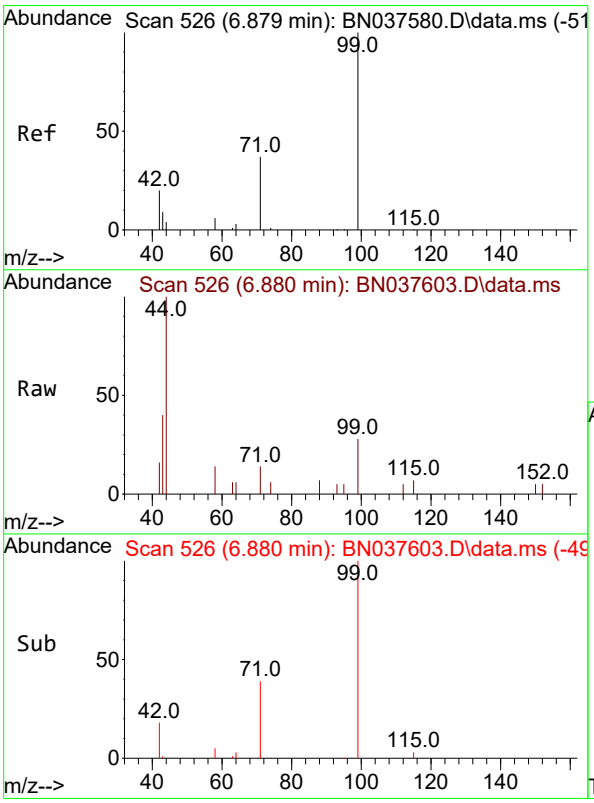
#4
2-Fluorophenol
Concen: 0.138 ng
RT: 5.305 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN037603.D
Acq: 19 Aug 2025 12:28

Instrument :
BNA_N
ClientSampleId :
RMW-02B-66.3-081225

Tgt Ion:112 Resp: 628

Ion	Ratio	Lower	Upper
112	100		
64	57.2	44.9	67.3
63	29.5	23.4	35.2

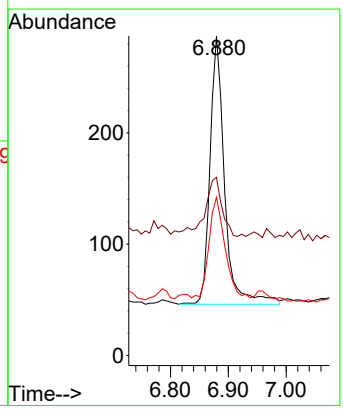


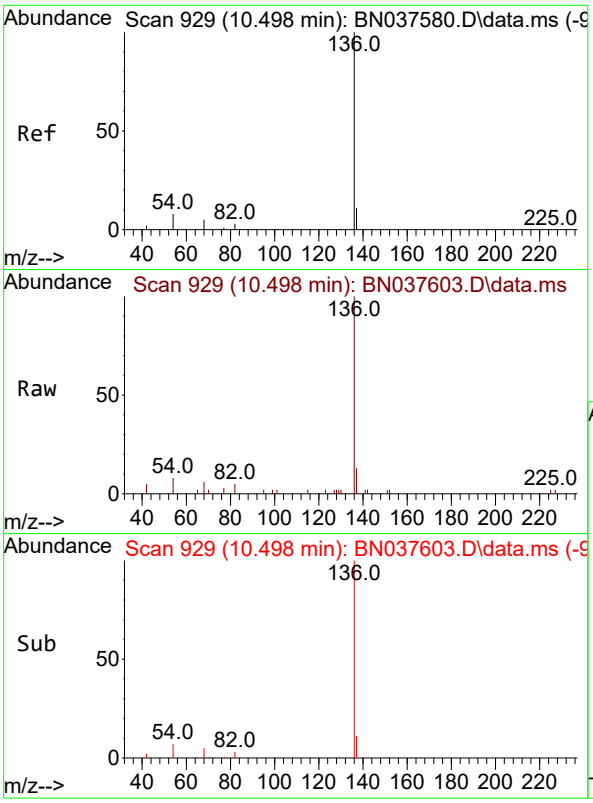


#5
Phenol-d6
Concen: 0.077 ng
RT: 6.880 min Scan# 526
Delta R.T. 0.000 min
Lab File: BN037603.D
Acq: 19 Aug 2025 12:28

Tgt Ion: 99 Resp: 423

Ion	Ratio	Lower	Upper
99	100		
42	26.2	18.5	27.7
71	44.4	28.6	42.8#



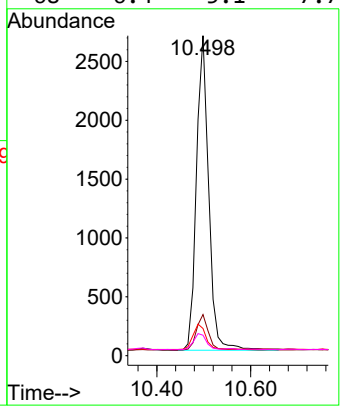


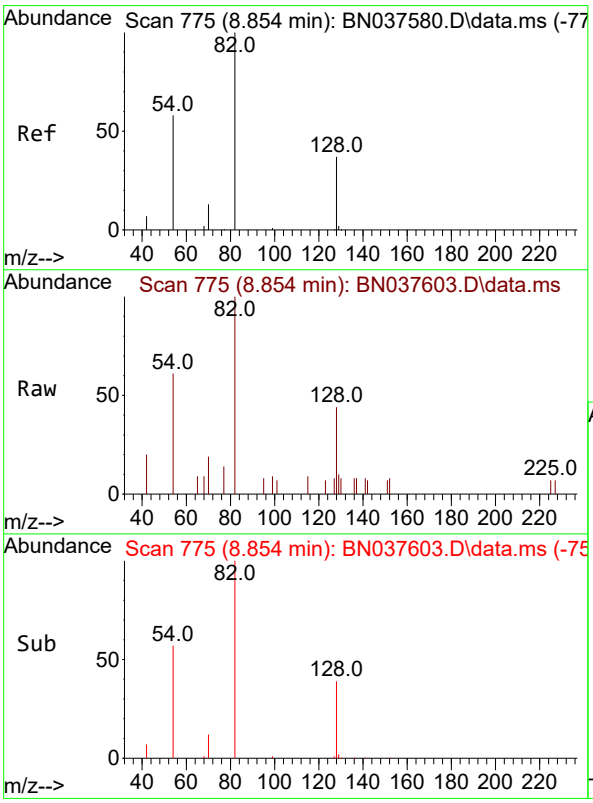
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN037603.D
Acq: 19 Aug 2025 12:28

Instrument :
BNA_N
ClientSampleId :
RMW-02B-66.3-081225

Tgt Ion:136 Resp: 4852

Ion	Ratio	Lower	Upper
136	100		
137	12.8	9.5	14.3
54	8.5	7.3	10.9
68	6.4	5.1	7.7

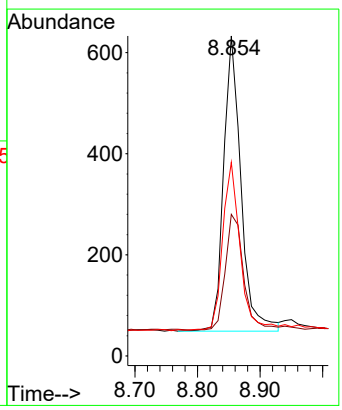


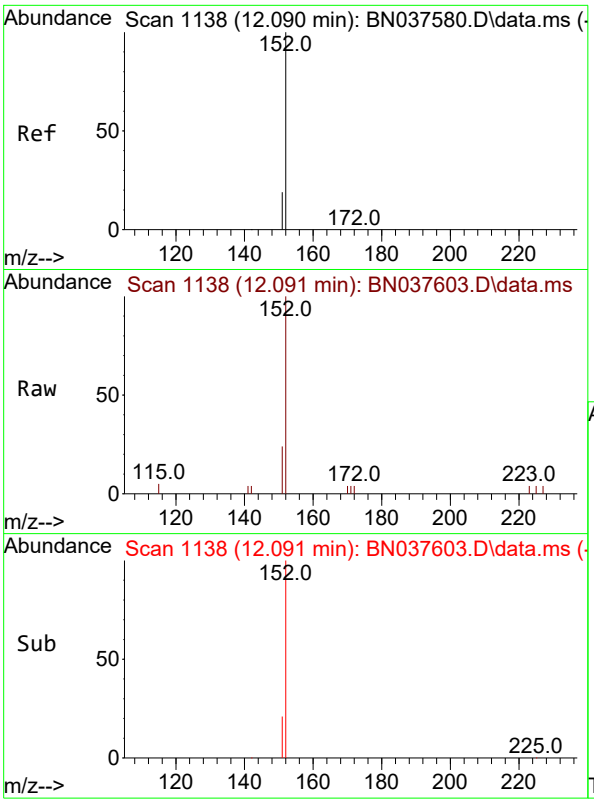


#8
Nitrobenzene-d5
Concen: 0.330 ng
RT: 8.854 min Scan# 775
Delta R.T. 0.000 min
Lab File: BN037603.D
Acq: 19 Aug 2025 12:28

Tgt Ion: 82 Resp: 1127

Ion	Ratio	Lower	Upper
82	100		
128	44.2	32.6	48.8
54	60.5	48.9	73.3



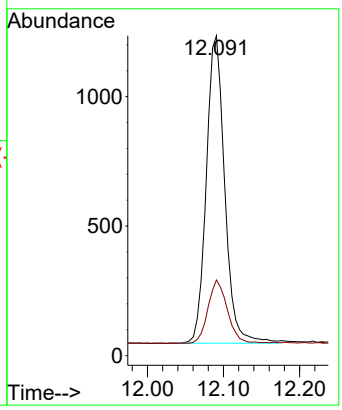


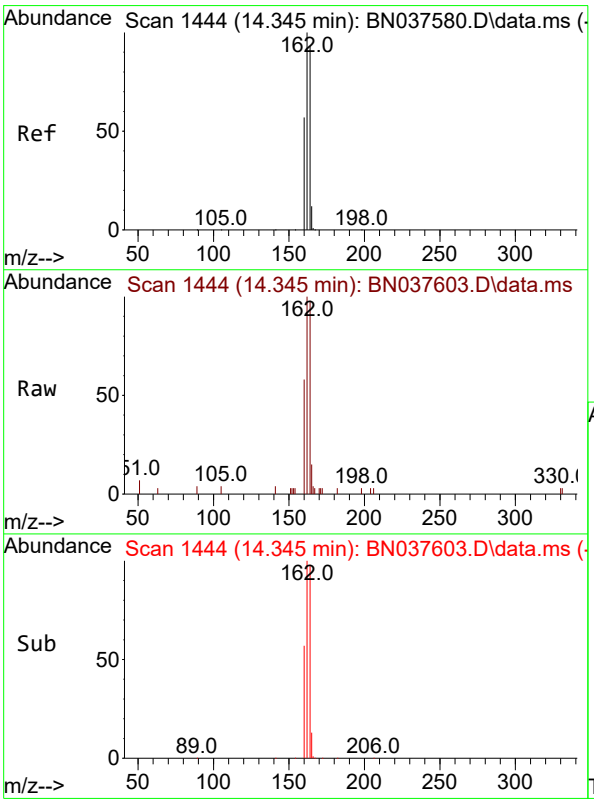
#11
2-Methylnaphthalene-d10
Concen: 0.304 ng
RT: 12.091 min Scan# 11
Delta R.T. 0.000 min
Lab File: BN037603.D
Acq: 19 Aug 2025 12:28

Instrument :
BNA_N
ClientSampleId :
RMW-02B-66.3-081225

Tgt Ion:152 Resp: 2003

Ion	Ratio	Lower	Upper
152	100		
151	21.6	17.3	25.9

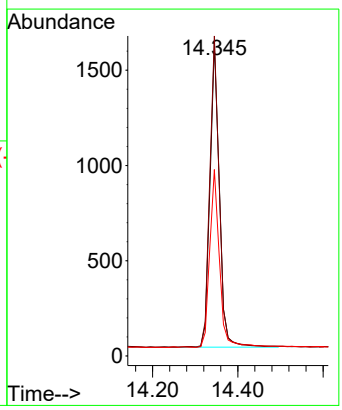


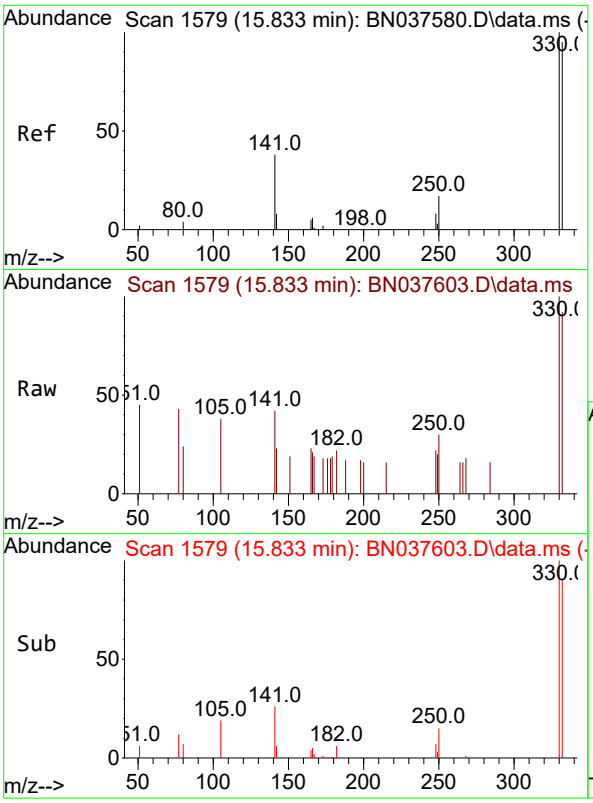


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN037603.D
Acq: 19 Aug 2025 12:28

Tgt Ion:164 Resp: 2452

Ion	Ratio	Lower	Upper
164	100		
162	102.3	85.5	128.3
160	59.6	49.5	74.3



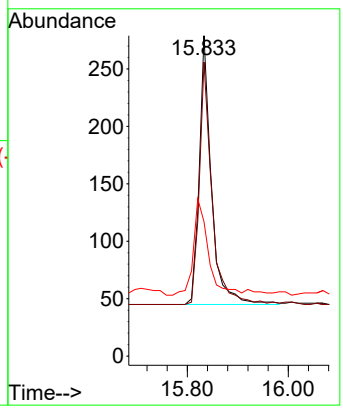


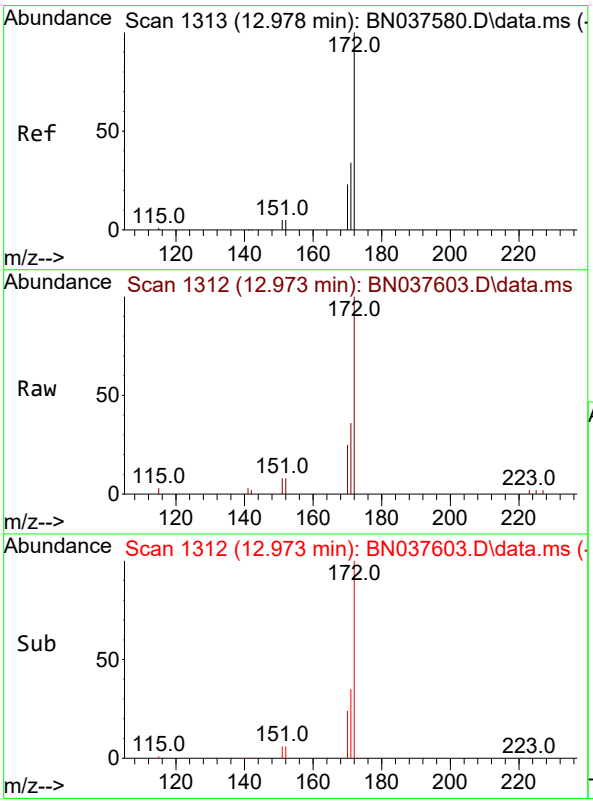
#14
2,4,6-Tribromophenol
Concen: 0.367 ng
RT: 15.833 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037603.D
Acq: 19 Aug 2025 12:28

Instrument :
BNA_N
ClientSampleId :
RMW-02B-66.3-081225

Tgt Ion:330 Resp: 394

Ion	Ratio	Lower	Upper
330	100		
332	93.4	77.4	116.0
141	43.4	30.9	46.3

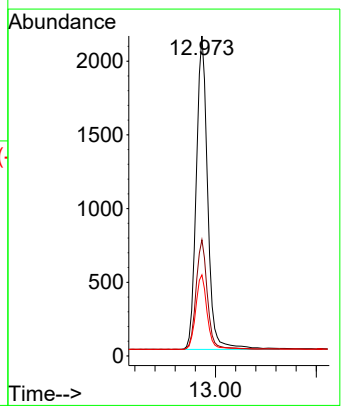


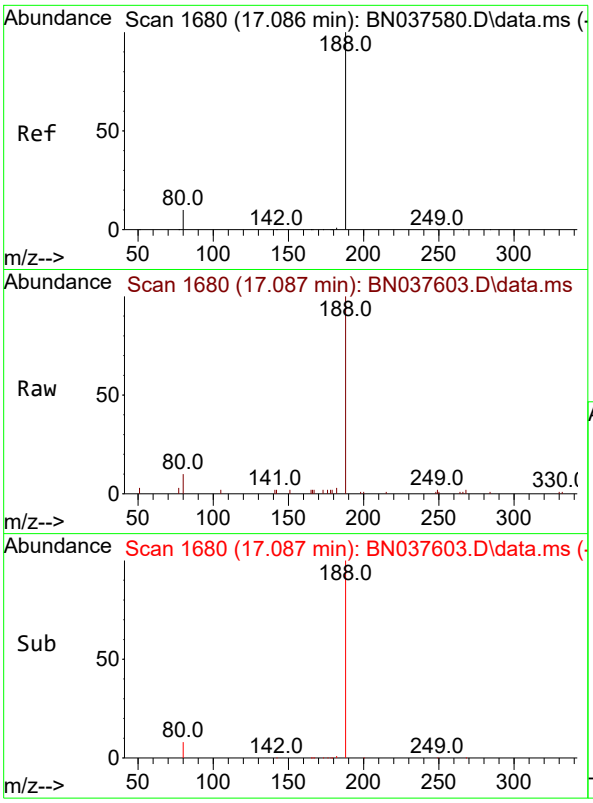


#15
2-Fluorobiphenyl
Concen: 0.334 ng
RT: 12.973 min Scan# 1312
Delta R.T. -0.005 min
Lab File: BN037603.D
Acq: 19 Aug 2025 12:28

Tgt Ion:172 Resp: 4739

Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.2	42.4
170	25.3	19.2	28.8



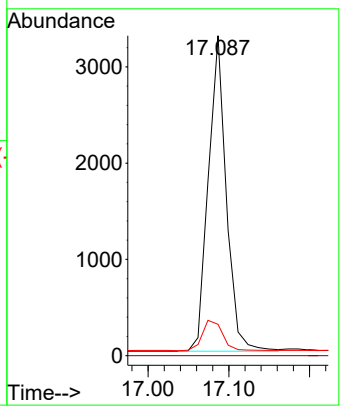


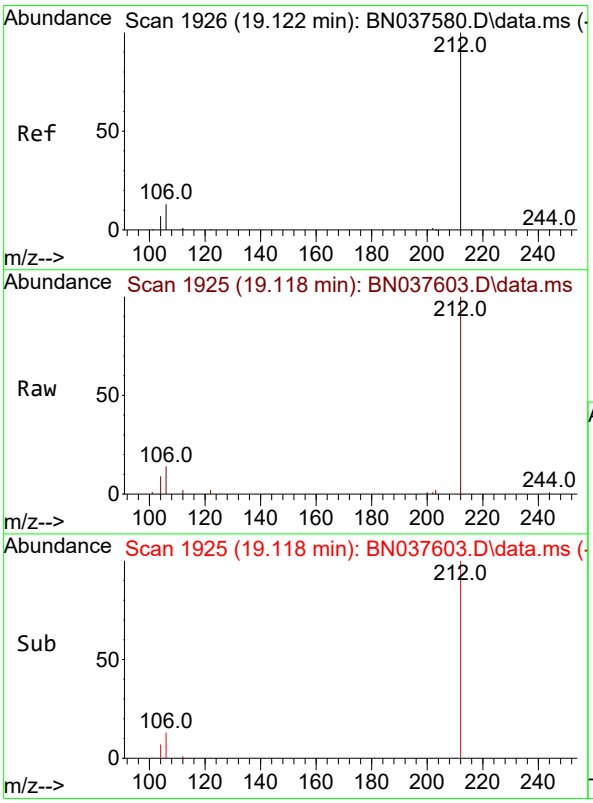
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.087 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037603.D
Acq: 19 Aug 2025 12:28

Instrument :
BNA_N
ClientSampleId :
RMW-02B-66.3-081225

Tgt Ion:188 Resp: 5058

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.8	9.1	13.7

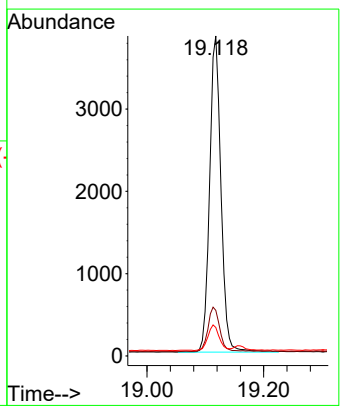


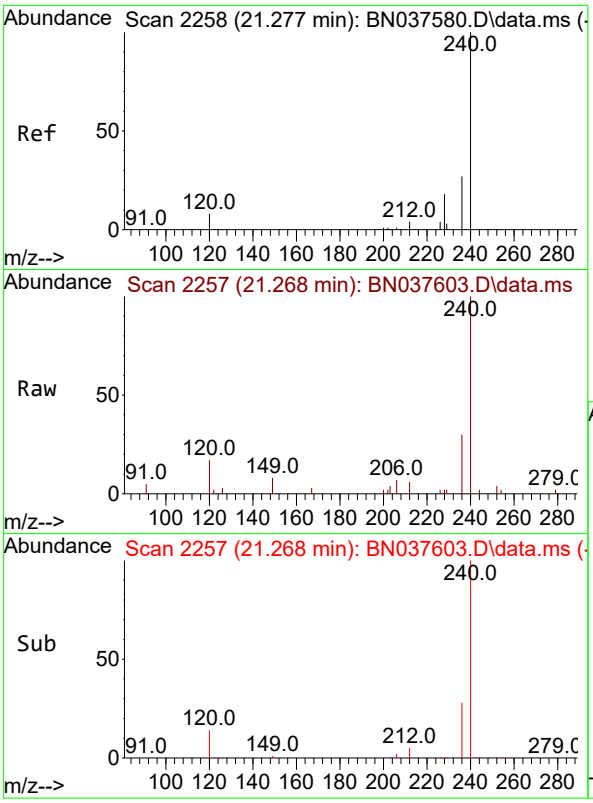


#27
Fluoranthene-d10
Concen: 0.390 ng
RT: 19.118 min Scan# 1925
Delta R.T. -0.004 min
Lab File: BN037603.D
Acq: 19 Aug 2025 12:28

Tgt Ion:212 Resp: 5190

Ion	Ratio	Lower	Upper
212	100		
106	14.6	11.5	17.3
104	8.1	6.6	9.8



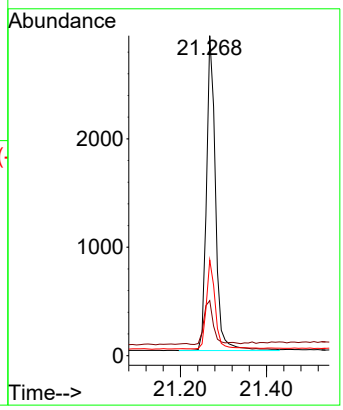


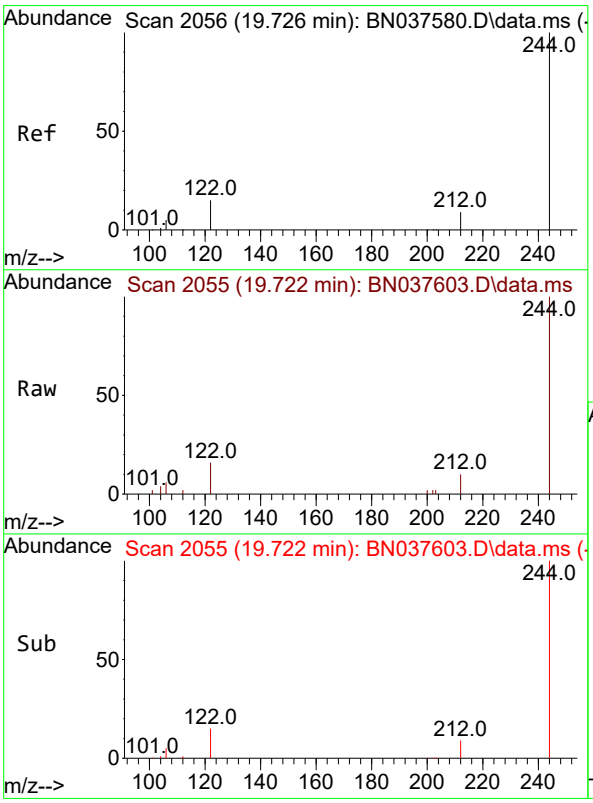
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.268 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037603.D
Acq: 19 Aug 2025 12:28

Instrument :
BNA_N
ClientSampleId :
RMW-02B-66.3-081225

Tgt Ion:240 Resp: 4260

Ion	Ratio	Lower	Upper
240	100		
120	17.2	8.9	13.3#
236	29.9	22.6	33.8

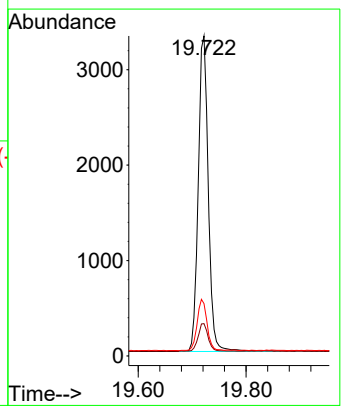


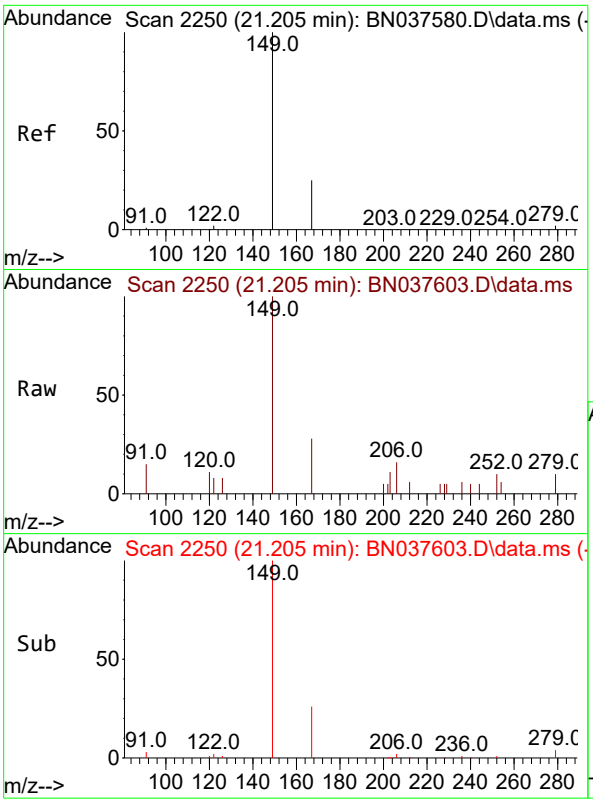


#31
Terphenyl-d14
Concen: 0.488 ng
RT: 19.722 min Scan# 2055
Delta R.T. -0.004 min
Lab File: BN037603.D
Acq: 19 Aug 2025 12:28

Tgt Ion:244 Resp: 4279

Ion	Ratio	Lower	Upper
244	100		
212	10.1	8.2	12.2
122	16.3	13.2	19.8



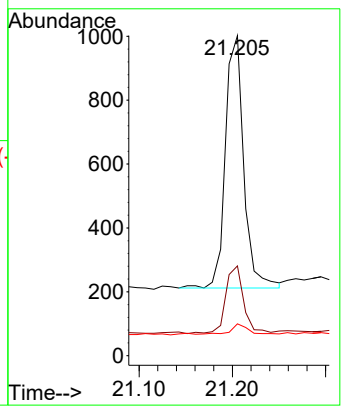


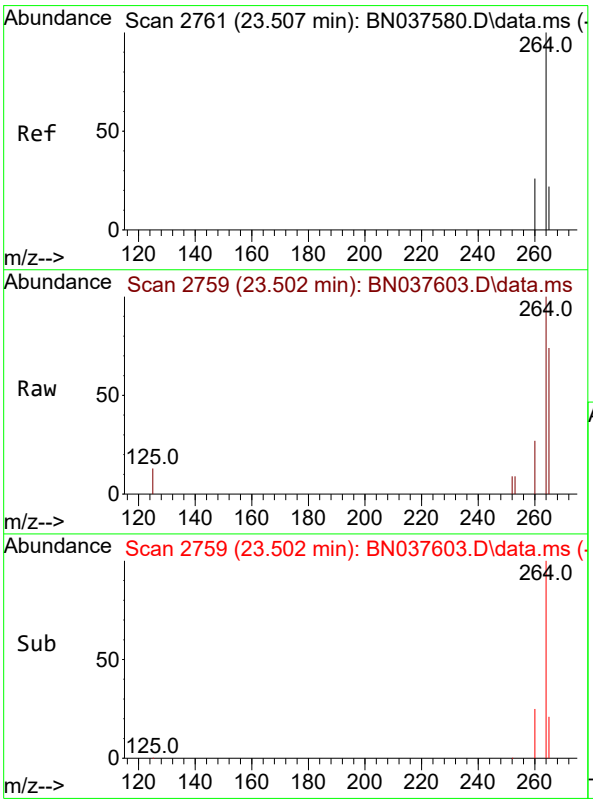
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.184 ng
RT: 21.205 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037603.D
Acq: 19 Aug 2025 12:28

Instrument :
BNA_N
ClientSampleId :
RMW-02B-66.3-081225

Tgt Ion:149 Resp: 1082

Ion	Ratio	Lower	Upper
149	100		
167	26.2	20.5	30.7
279	3.7	2.6	4.0

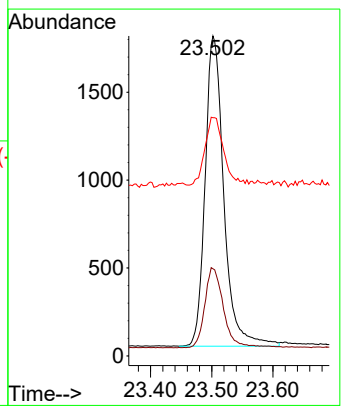




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.502 min Scan# 2759
Delta R.T. -0.006 min
Lab File: BN037603.D
Acq: 19 Aug 2025 12:28

Tgt Ion:264 Resp: 3745

Ion	Ratio	Lower	Upper
264	100		
260	27.3	21.6	32.4
265	74.5	48.2	72.4#



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037621.D
Acq On : 20 Aug 2025 06:03
Operator : RC/JU
Sample : Q2842-02DL 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RMW-02B-66.3-081225DL

Quant Time: Aug 20 06:52:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration

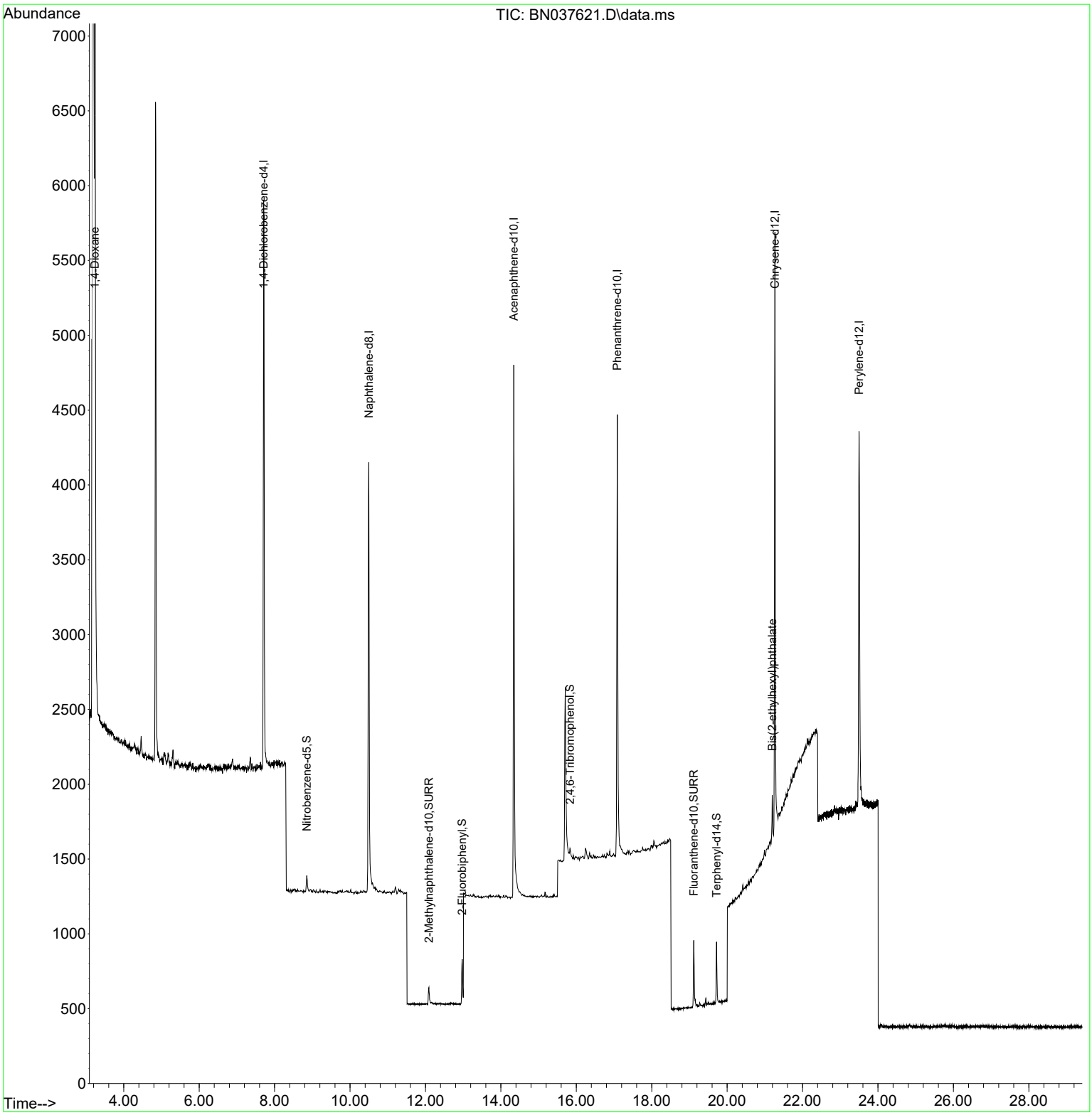
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.710	152	1938	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	4467	0.400	ng	0.00
13) Acenaphthene-d10	14.345	164	2275	0.400	ng	0.00
19) Phenanthrene-d10	17.086	188	4809	0.400	ng	0.00
29) Chrysene-d12	21.268	240	3968	0.400	ng	# 0.00
35) Perylene-d12	23.501	264	3640	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	72	0.016	ng	0.00
5) Phenol-d6	6.879	99	50	0.009	ng	0.00
8) Nitrobenzene-d5	8.854	82	113	0.036	ng	0.00
11) 2-Methylnaphthalene-d10	12.090	152	192	0.032	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	41	0.041	ng	0.00
15) 2-Fluorobiphenyl	12.973	172	478	0.036	ng	0.00
27) Fluoranthene-d10	19.118	212	570	0.045	ng	0.00
31) Terphenyl-d14	19.717	244	449	0.055	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.232	88	4850	2.616	ng	98
34) Bis(2-ethylhexyl)phtha...	21.196	149	315	0.058	ng	96

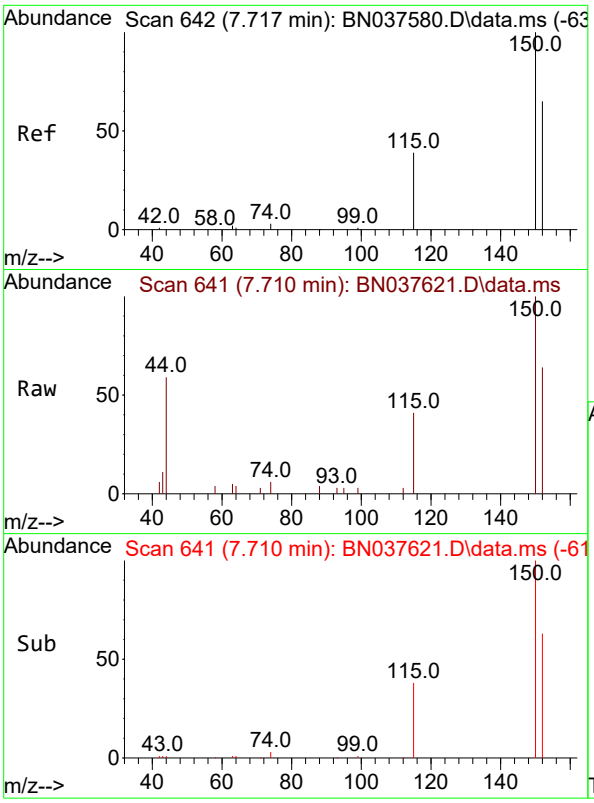
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037621.D
Acq On : 20 Aug 2025 06:03
Operator : RC/JU
Sample : Q2842-02DL 10X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
RMW-02B-66.3-081225DL

Quant Time: Aug 20 06:52:31 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration



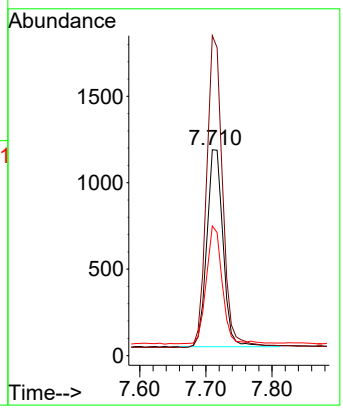


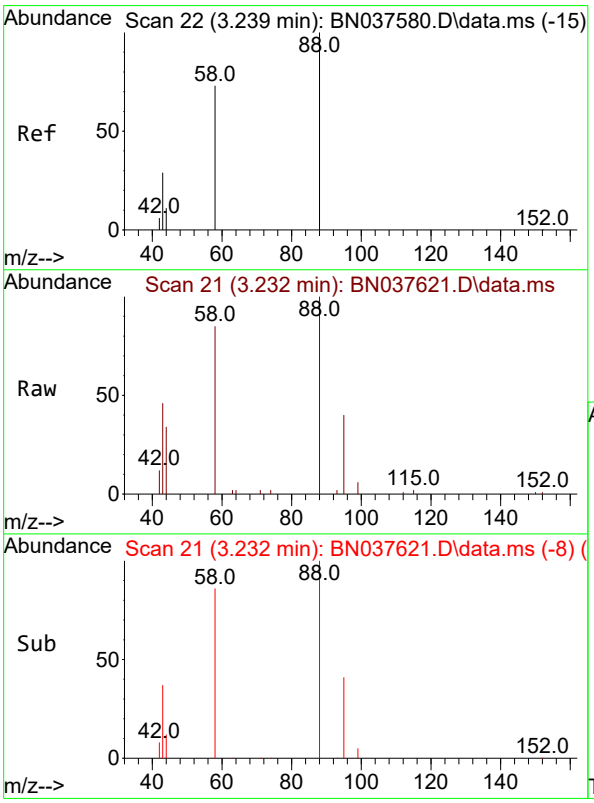
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.710 min Scan# 64
Delta R.T. -0.007 min
Lab File: BN037621.D
Acq: 20 Aug 2025 06:03

Instrument :
BNA_N
ClientSampleId :
RMW-02B-66.3-081225DL

Tgt Ion:152 Resp: 1938

Ion	Ratio	Lower	Upper
152	100		
150	155.4	122.2	183.4
115	63.0	49.8	74.6

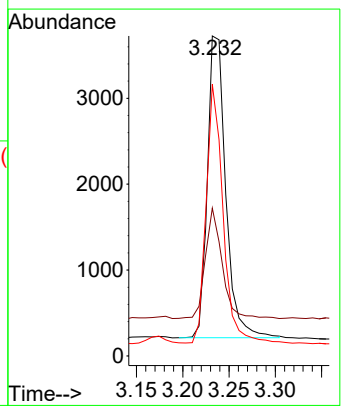


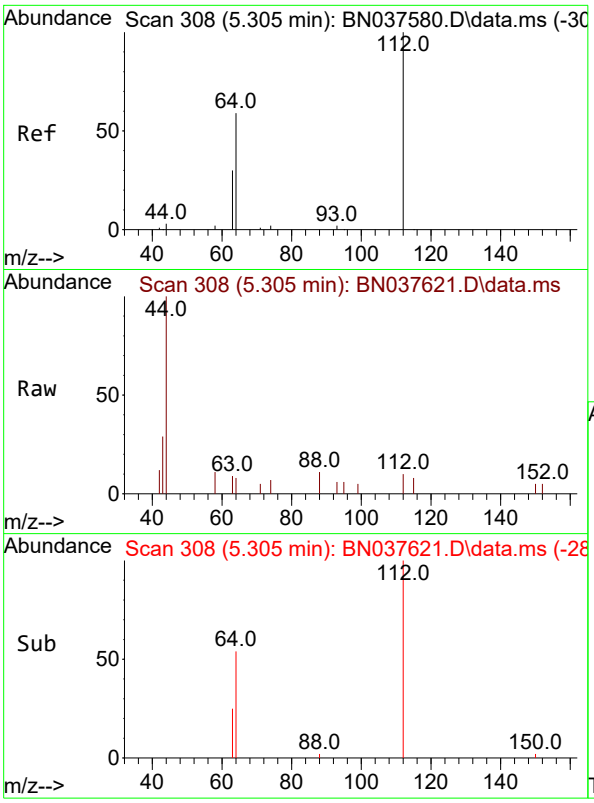


#2
1,4-Dioxane
Concen: 2.616 ng
RT: 3.232 min Scan# 21
Delta R.T. -0.007 min
Lab File: BN037621.D
Acq: 20 Aug 2025 06:03

Tgt Ion: 88 Resp: 4850

Ion	Ratio	Lower	Upper
88	100		
43	33.4	25.8	38.6
58	78.7	61.2	91.8



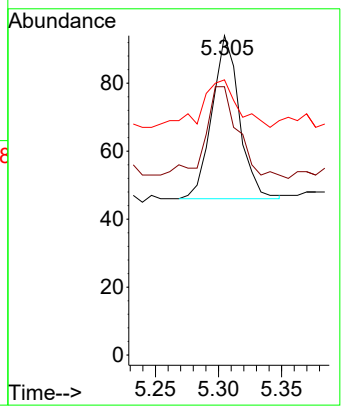


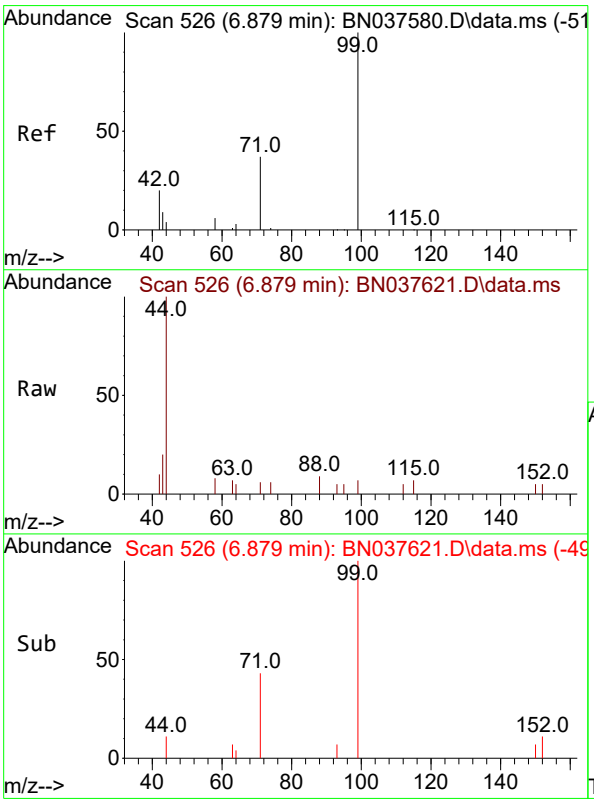
#4
2-Fluorophenol
Concen: 0.016 ng
RT: 5.305 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN037621.D
Acq: 20 Aug 2025 06:03

Instrument :
BNA_N
ClientSampleId :
RMW-02B-66.3-081225DL

Tgt Ion:112 Resp: 72

Ion	Ratio	Lower	Upper
112	100		
64	69.4	44.9	67.3#
63	45.8	23.4	35.2#

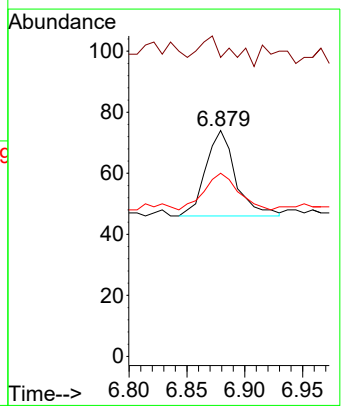


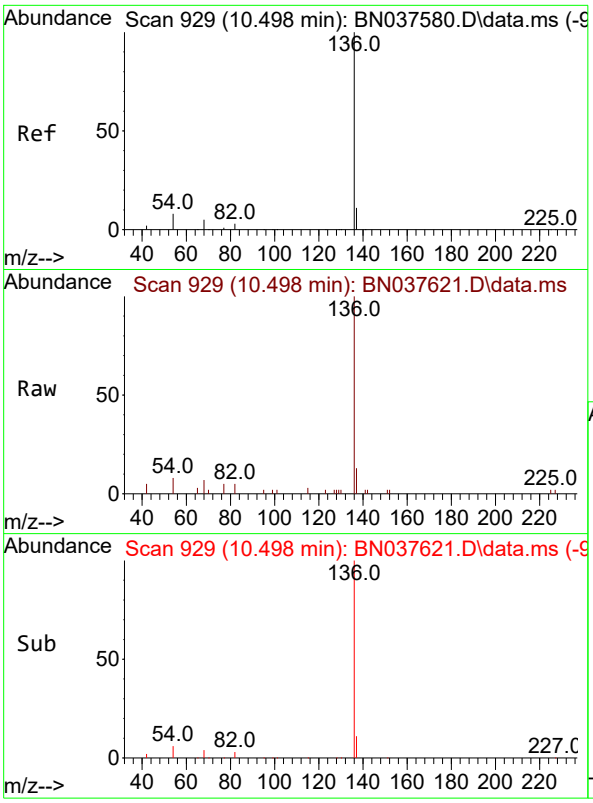


#5
Phenol-d6
Concen: 0.009 ng
RT: 6.879 min Scan# 526
Delta R.T. -0.000 min
Lab File: BN037621.D
Acq: 20 Aug 2025 06:03

Tgt Ion: 99 Resp: 50

Ion	Ratio	Lower	Upper
99	100		
42	36.0	18.5	27.7#
71	54.0	28.6	42.8#



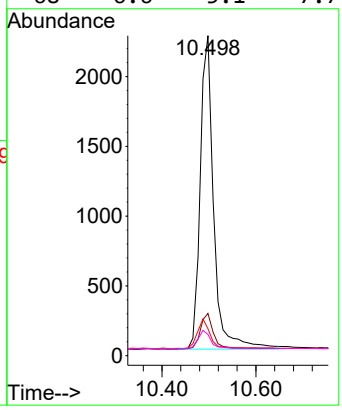


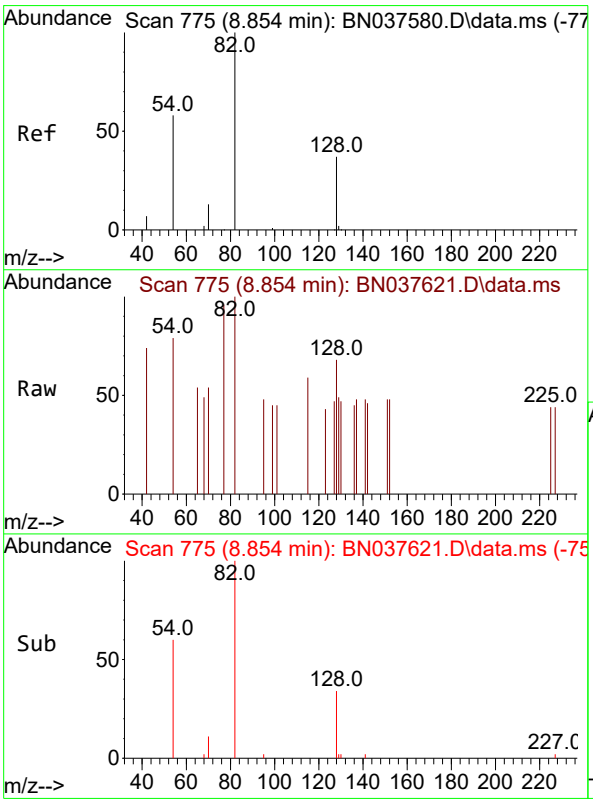
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 9
Delta R.T. -0.000 min
Lab File: BN037621.D
Acq: 20 Aug 2025 06:03

Instrument :
BNA_N
ClientSampleId :
RMW-02B-66.3-081225DL

Tgt Ion:136 Resp: 4467

Ion	Ratio	Lower	Upper
136	100		
137	13.2	9.5	14.3
54	8.4	7.3	10.9
68	6.6	5.1	7.7

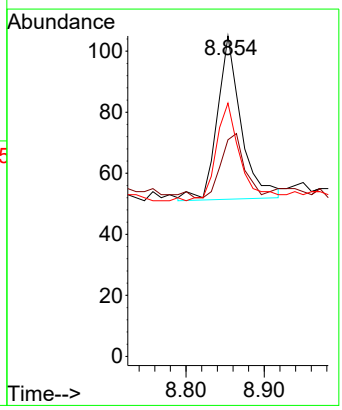


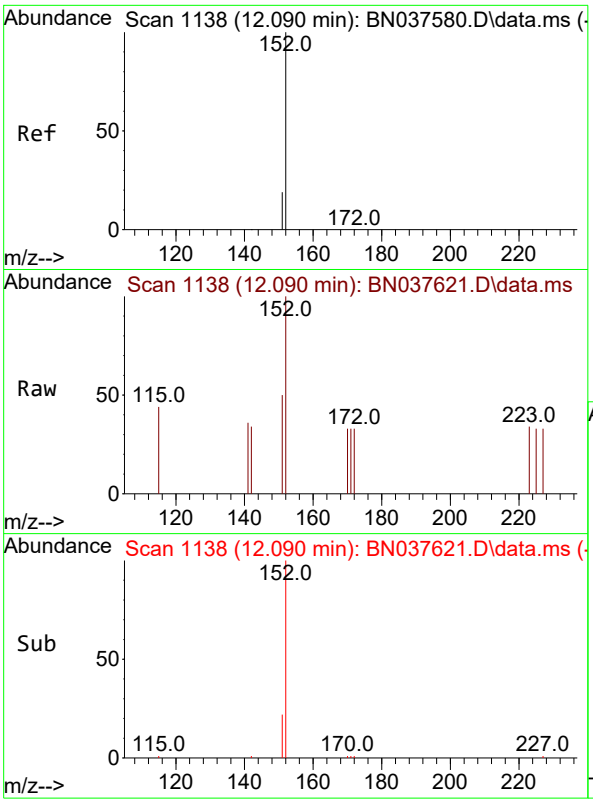


#8
Nitrobenzene-d5
Concen: 0.036 ng
RT: 8.854 min Scan# 775
Delta R.T. -0.000 min
Lab File: BN037621.D
Acq: 20 Aug 2025 06:03

Tgt Ion: 82 Resp: 113

Ion	Ratio	Lower	Upper
82	100		
128	67.6	32.6	48.8#
54	79.0	48.9	73.3#



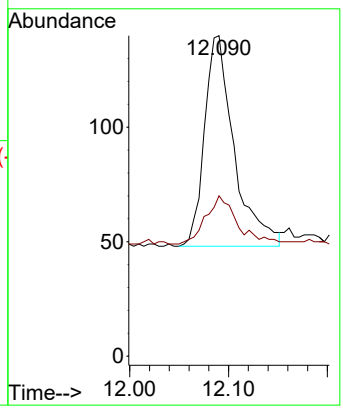


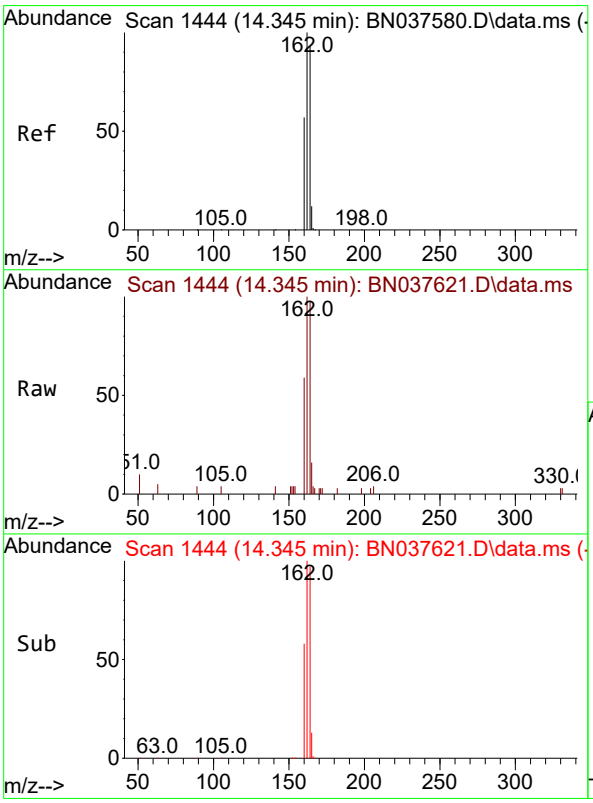
#11
2-Methylnaphthalene-d10
Concen: 0.032 ng
RT: 12.090 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN037621.D
Acq: 20 Aug 2025 06:03

Instrument :
BNA_N
ClientSampleId :
RMW-02B-66.3-081225DL

Tgt Ion:152 Resp: 192

Ion	Ratio	Lower	Upper
152	100		
151	26.6	17.3	25.9#

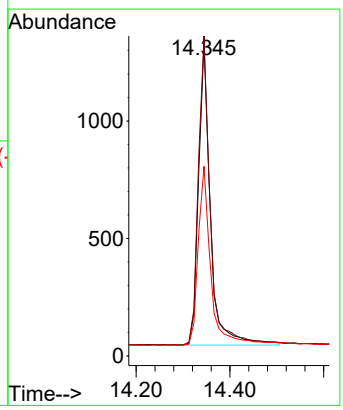


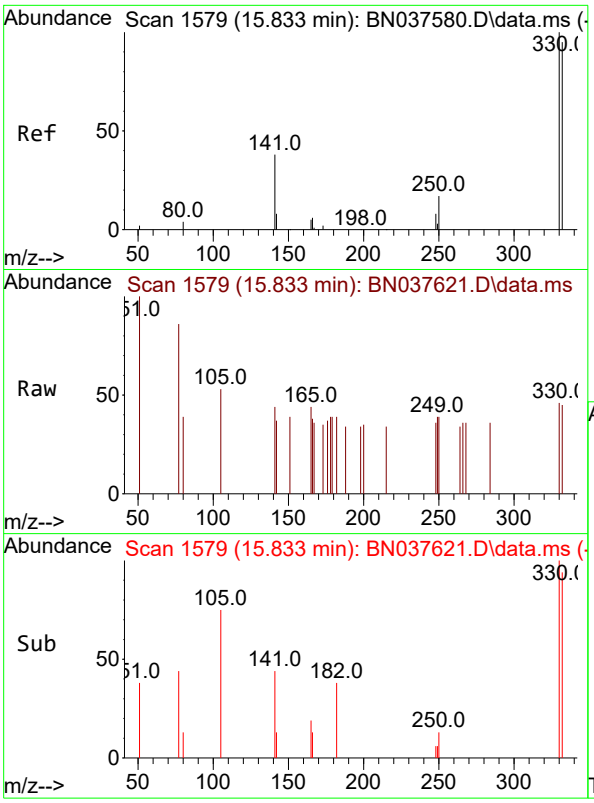


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 1444
Delta R.T. -0.000 min
Lab File: BN037621.D
Acq: 20 Aug 2025 06:03

Tgt Ion:164 Resp: 2275

Ion	Ratio	Lower	Upper
164	100		
162	102.5	85.5	128.3
160	60.7	49.5	74.3



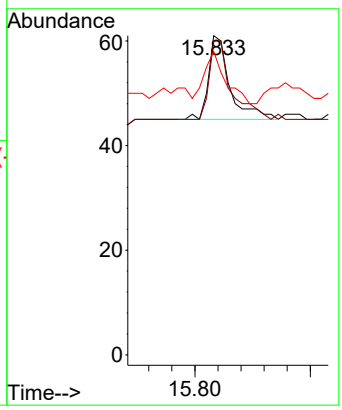


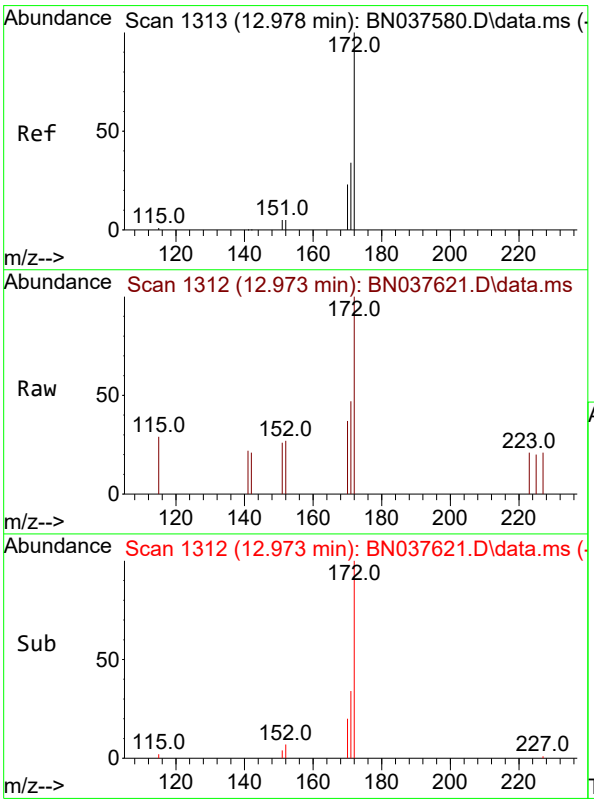
#14
2,4,6-Tribromophenol
Concen: 0.041 ng
RT: 15.833 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037621.D
Acq: 20 Aug 2025 06:03

Instrument :
BNA_N
ClientSampleId :
RMW-02B-66.3-081225DL

Tgt Ion:330 Resp: 41

Ion	Ratio	Lower	Upper
330	100		
332	97.6	77.4	116.0
141	61.0	30.9	46.3#

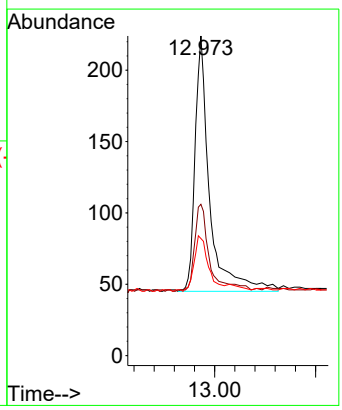


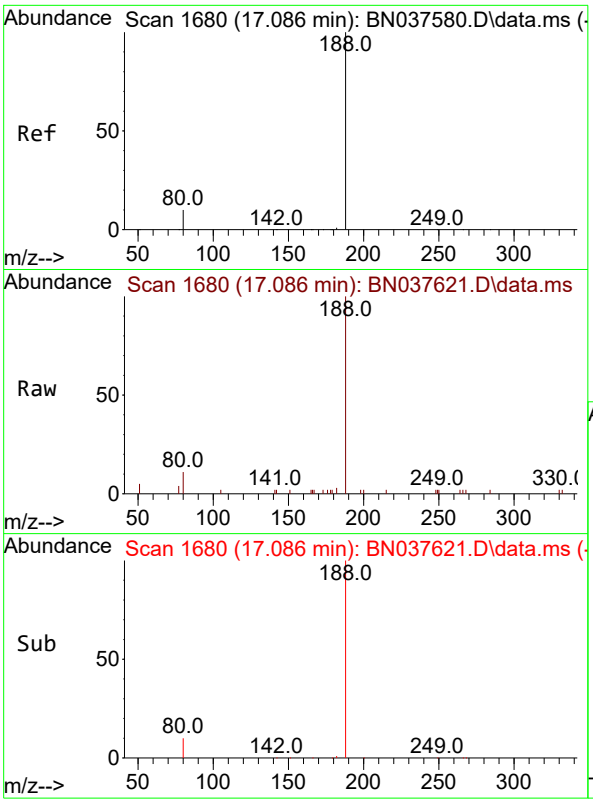


#15
2-Fluorobiphenyl
Concen: 0.036 ng
RT: 12.973 min Scan# 1312
Delta R.T. -0.005 min
Lab File: BN037621.D
Acq: 20 Aug 2025 06:03

Tgt Ion:172 Resp: 478

Ion	Ratio	Lower	Upper
172	100		
171	47.3	28.2	42.4#
170	36.6	19.2	28.8#



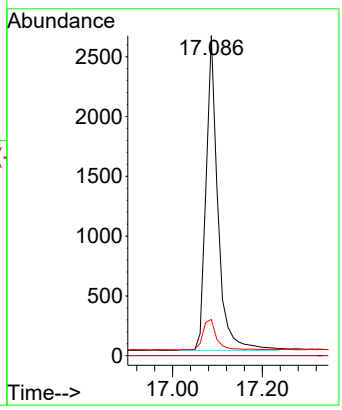


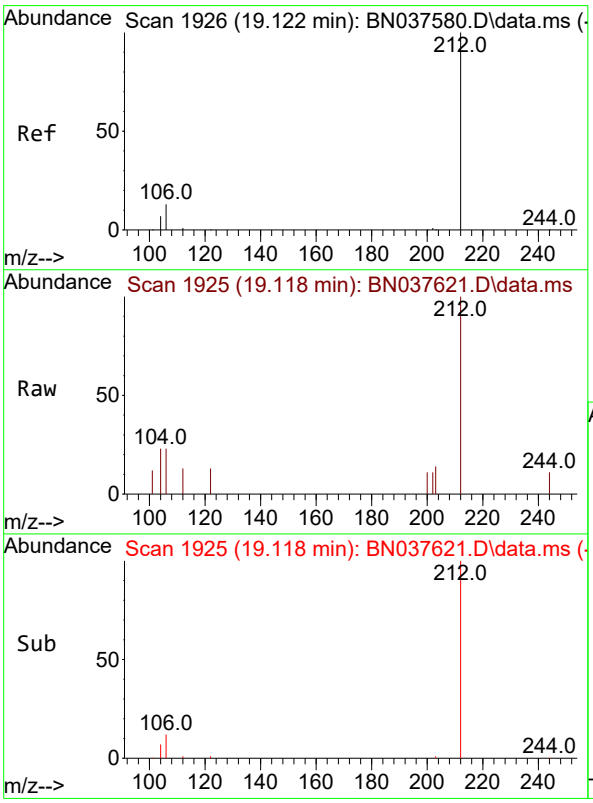
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.086 min Scan# 1
Delta R.T. -0.000 min
Lab File: BN037621.D
Acq: 20 Aug 2025 06:03

Instrument :
BNA_N
ClientSampleId :
RMW-02B-66.3-081225DL

Tgt Ion:188 Resp: 4809

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	11.3	9.1	13.7

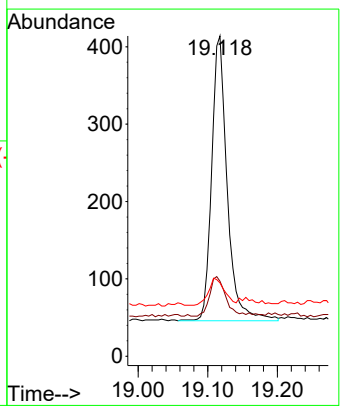


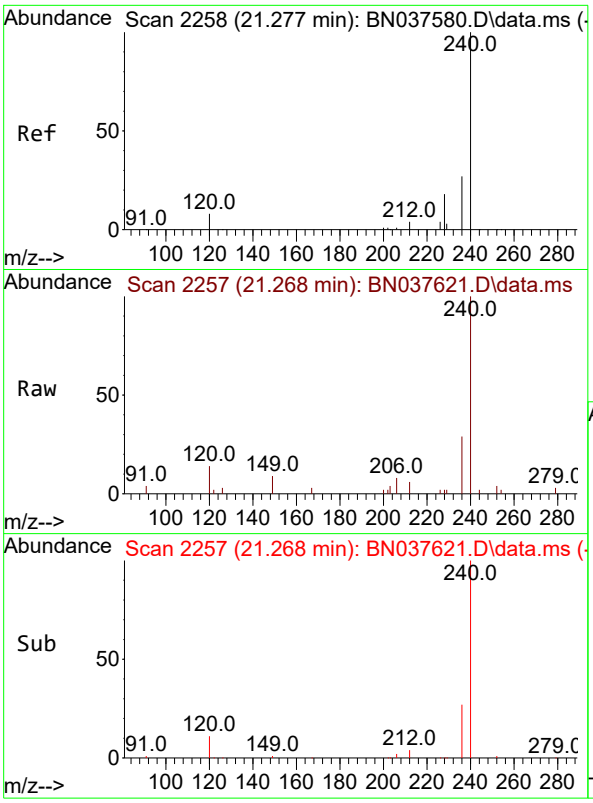


#27
Fluoranthene-d10
Concen: 0.045 ng
RT: 19.118 min Scan# 1925
Delta R.T. -0.005 min
Lab File: BN037621.D
Acq: 20 Aug 2025 06:03

Tgt Ion:212 Resp: 570

Ion	Ratio	Lower	Upper
212	100		
106	14.0	11.5	17.3
104	9.6	6.6	9.8



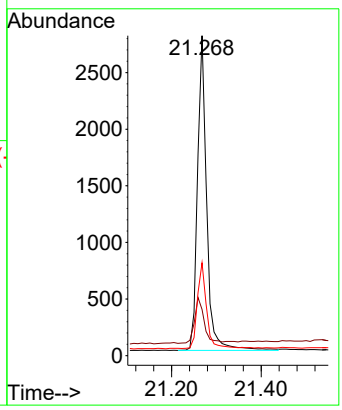


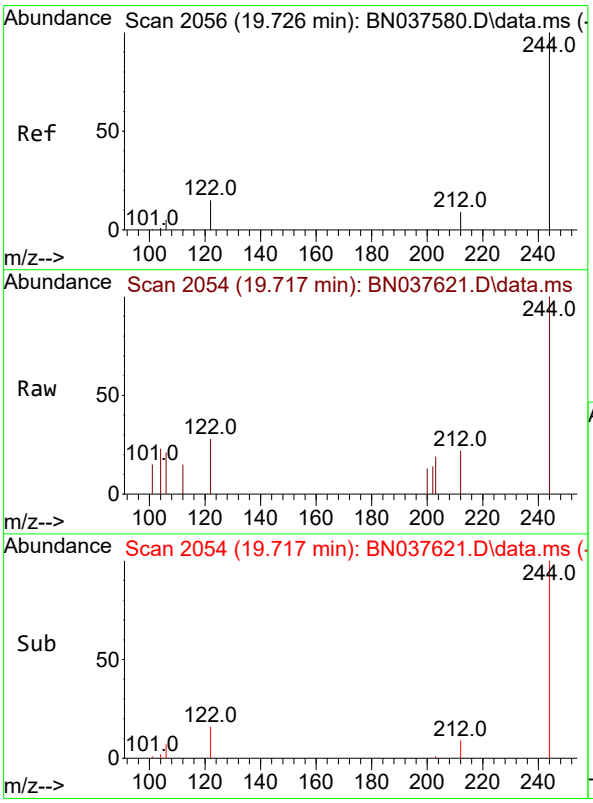
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.268 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037621.D
Acq: 20 Aug 2025 06:03

Instrument :
BNA_N
ClientSampleId :
RMW-02B-66.3-081225DL

Tgt Ion:240 Resp: 3968

Ion	Ratio	Lower	Upper
240	100		
120	14.4	8.9	13.3#
236	29.1	22.6	33.8

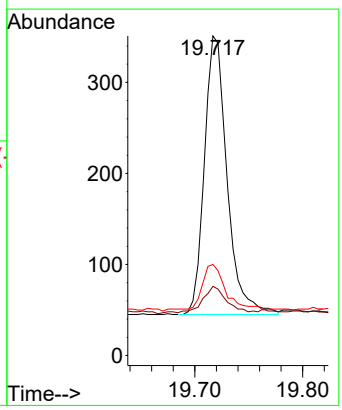


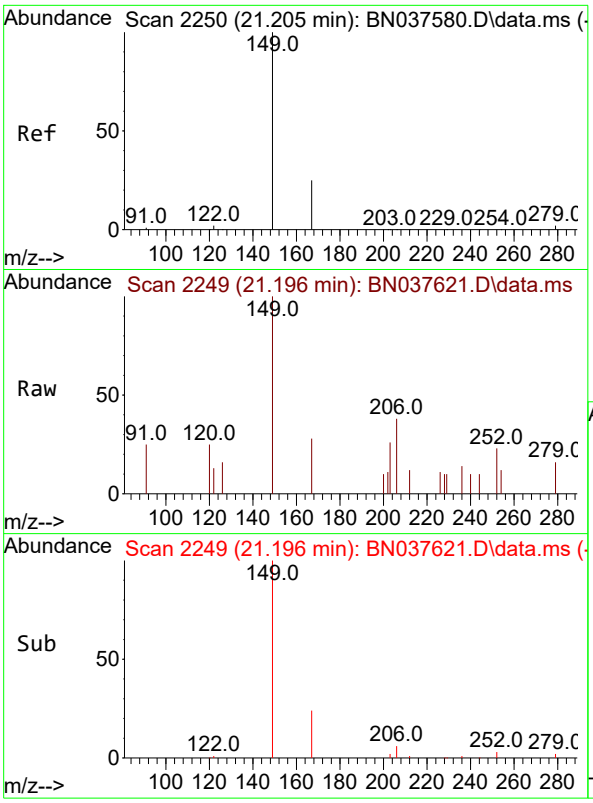


#31
Terphenyl-d14
Concen: 0.055 ng
RT: 19.717 min Scan# 2054
Delta R.T. -0.009 min
Lab File: BN037621.D
Acq: 20 Aug 2025 06:03

Tgt Ion:244 Resp: 449

Ion	Ratio	Lower	Upper
244	100		
212	21.7	8.2	12.2#
122	28.5	13.2	19.8#



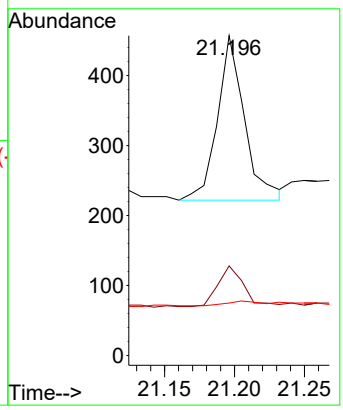


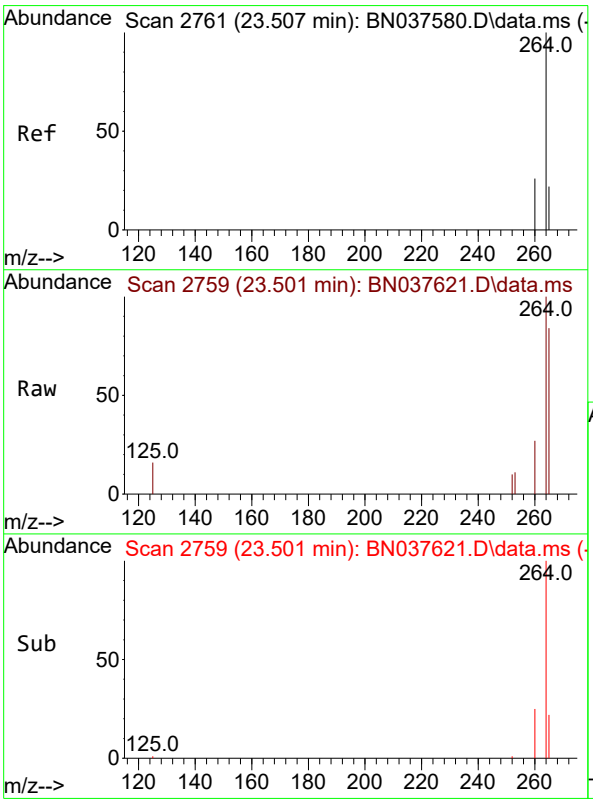
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.058 ng
RT: 21.196 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037621.D
Acq: 20 Aug 2025 06:03

Instrument :
BNA_N
ClientSampleId :
RMW-02B-66.3-081225DL

Tgt Ion:149 Resp: 315

Ion	Ratio	Lower	Upper
149	100		
167	23.5	20.5	30.7
279	3.5	2.6	4.0

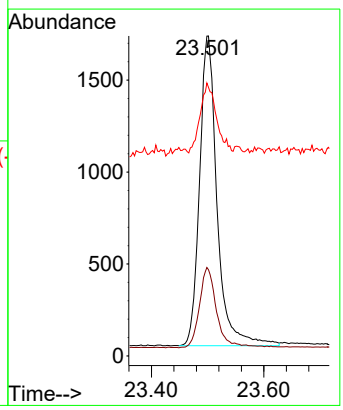




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.501 min Scan# 2759
Delta R.T. -0.006 min
Lab File: BN037621.D
Acq: 20 Aug 2025 06:03

Tgt Ion:264 Resp: 3640

Ion	Ratio	Lower	Upper
264	100		
260	27.0	21.6	32.4
265	84.0	48.2	72.4#



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037604.D
Acq On : 19 Aug 2025 13:04
Operator : RC/JU
Sample : Q2842-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-17B-55.5-081225

Quant Time: Aug 20 01:25:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration

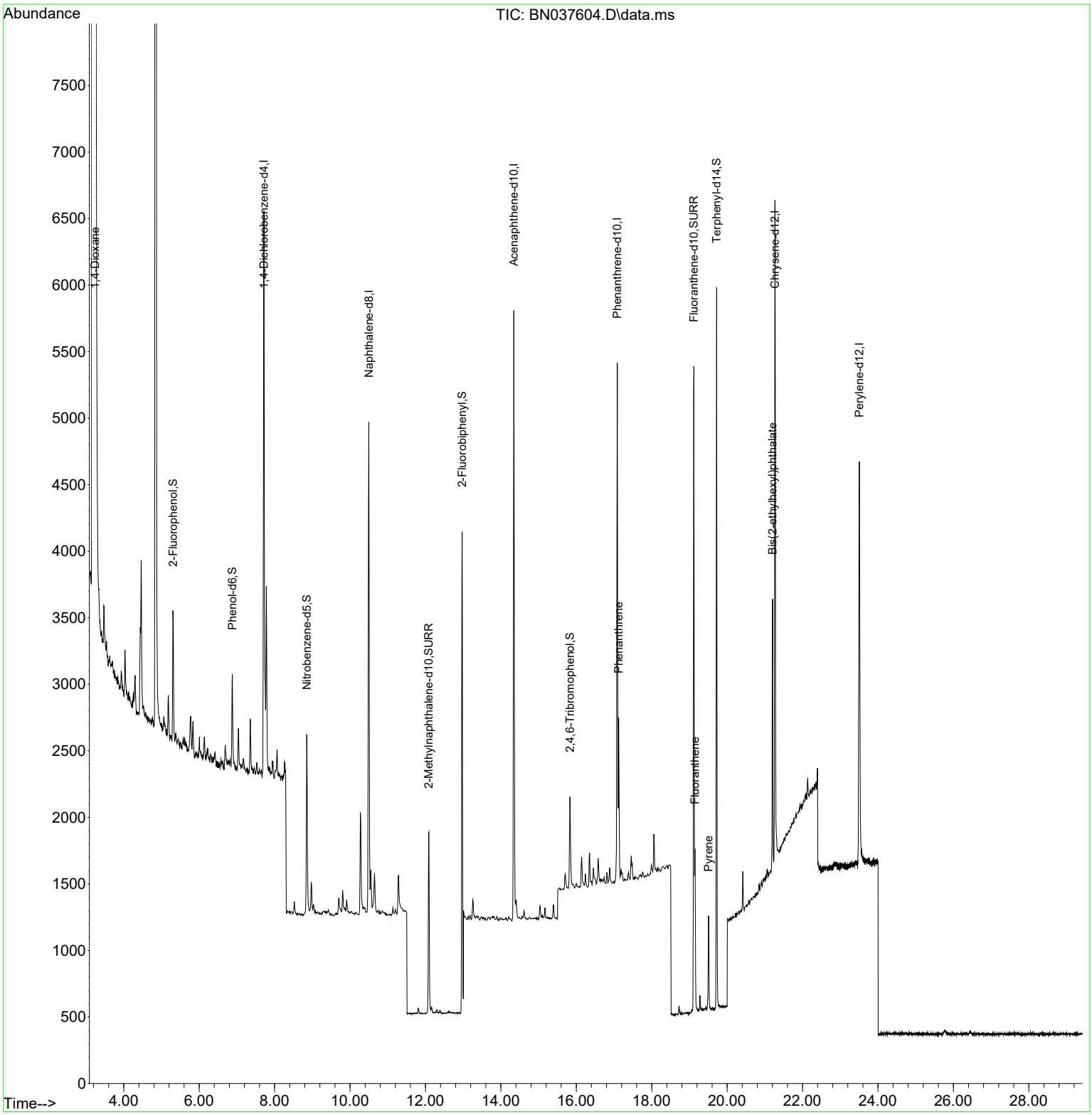
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	2101	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	4983	0.400	ng	0.00
13) Acenaphthene-d10	14.345	164	2519	0.400	ng	0.00
19) Phenanthrene-d10	17.086	188	5311	0.400	ng	0.00
29) Chrysene-d12	21.268	240	4640	0.400	ng	# 0.00
35) Perylene-d12	23.505	264	4122	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	686	0.144	ng	0.00
5) Phenol-d6	6.879	99	472	0.082	ng	0.00
8) Nitrobenzene-d5	8.854	82	1079	0.307	ng	0.00
11) 2-Methylnaphthalene-d10	12.085	152	1963	0.290	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	412	0.374	ng	0.00
15) 2-Fluorobiphenyl	12.973	172	4451	0.306	ng	0.00
27) Fluoranthene-d10	19.118	212	5412	0.387	ng	0.00
31) Terphenyl-d14	19.722	244	5059	0.530	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.239	88	5667	2.819	ng	# 94
25) Phenanthrene	17.124	178	1209	0.075	ng	99
28) Fluoranthene	19.146	202	1009	0.054	ng	98
30) Pyrene	19.508	202	640	0.037	ng	# 94
34) Bis(2-ethylhexyl)phtha...	21.205	149	1816	0.284	ng	97

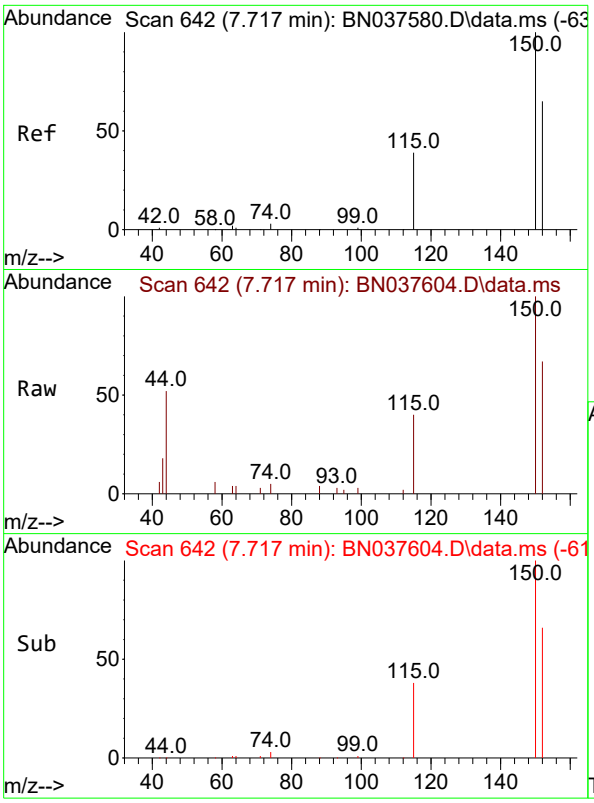
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037604.D
Acq On : 19 Aug 2025 13:04
Operator : RC/JU
Sample : Q2842-03
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-17B-55.5-081225

Quant Time: Aug 20 01:25:25 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration



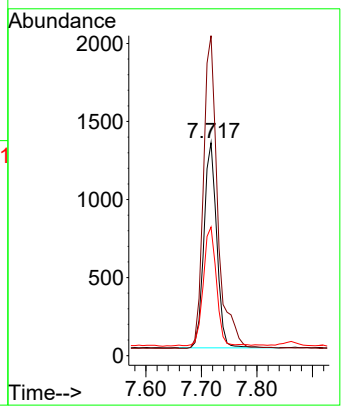


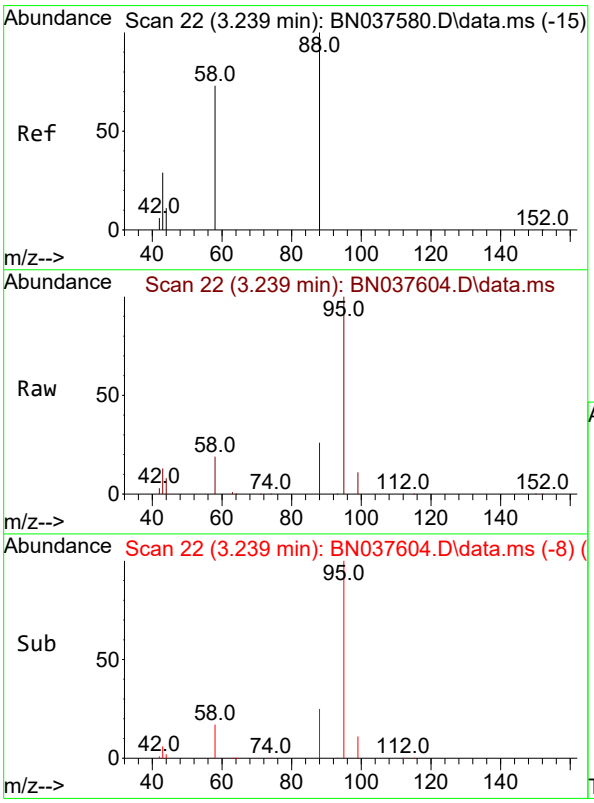
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN037604.D
Acq: 19 Aug 2025 13:04

Instrument :
BNA_N
ClientSampleId :
MW-17B-55.5-081225

Tgt Ion:152 Resp: 2101

Ion	Ratio	Lower	Upper
152	100		
150	150.3	122.2	183.4
115	60.4	49.8	74.6

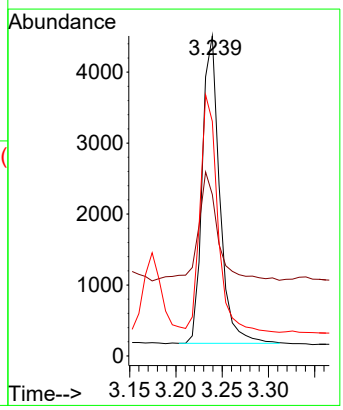


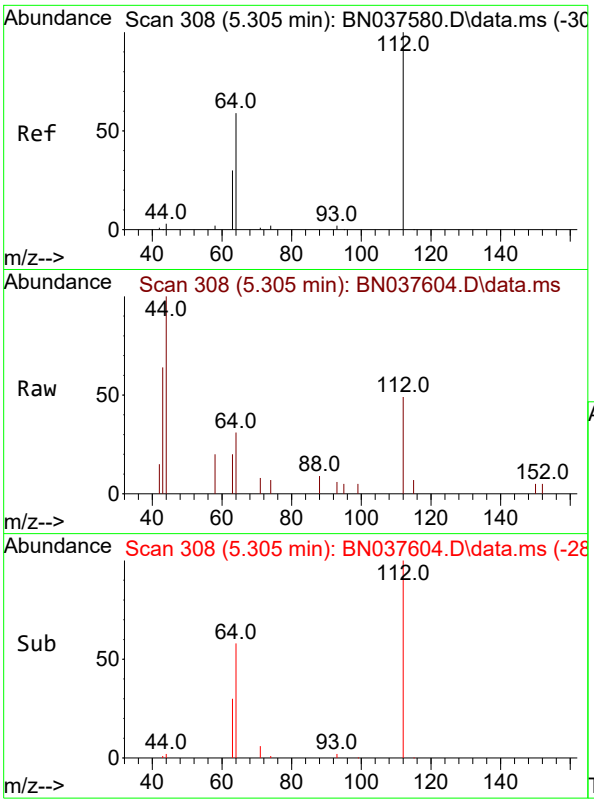


#2
1,4-Dioxane
Concen: 2.819 ng
RT: 3.239 min Scan# 22
Delta R.T. 0.000 min
Lab File: BN037604.D
Acq: 19 Aug 2025 13:04

Tgt Ion: 88 Resp: 5667

Ion	Ratio	Lower	Upper
88	100		
43	40.2	25.8	38.6#
58	78.2	61.2	91.8



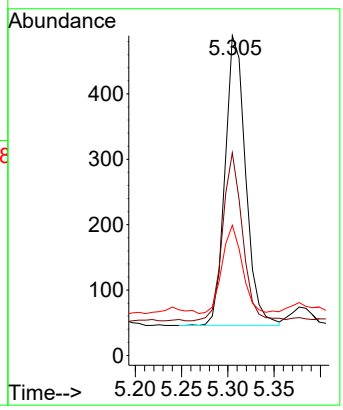


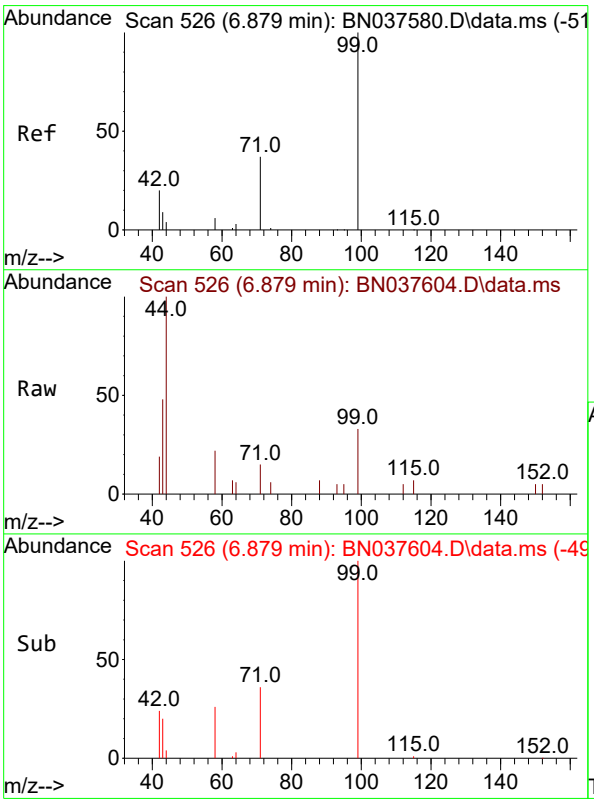
#4
2-Fluorophenol
Concen: 0.144 ng
RT: 5.305 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN037604.D
Acq: 19 Aug 2025 13:04

Instrument :
BNA_N
ClientSampleId :
MW-17B-55.5-081225

Tgt Ion:112 Resp: 686

Ion	Ratio	Lower	Upper
112	100		
64	55.8	44.9	67.3
63	29.9	23.4	35.2

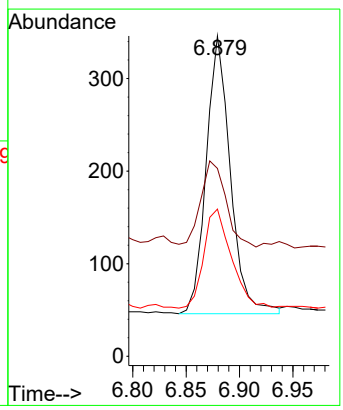


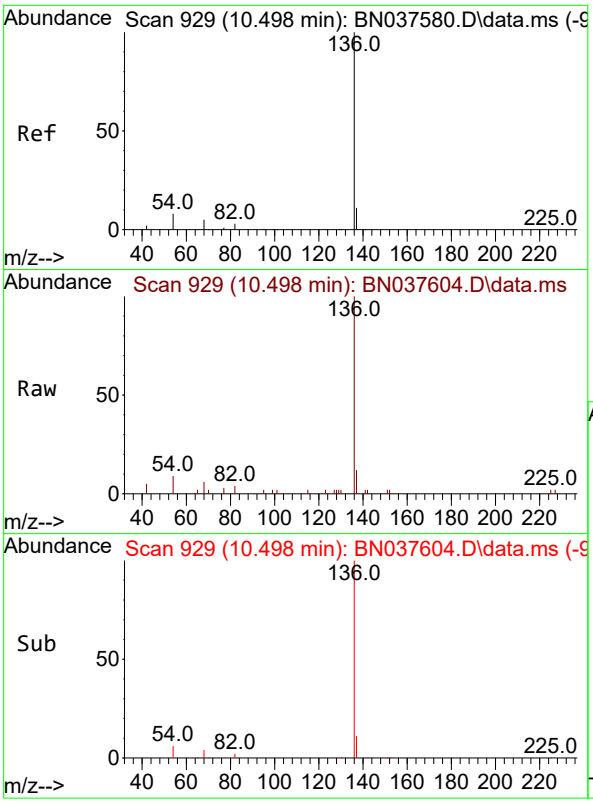


#5
Phenol-d6
Concen: 0.082 ng
RT: 6.879 min Scan# 526
Delta R.T. 0.000 min
Lab File: BN037604.D
Acq: 19 Aug 2025 13:04

Tgt Ion: 99 Resp: 472

Ion	Ratio	Lower	Upper
99	100		
42	32.2	18.5	27.7#
71	40.9	28.6	42.8



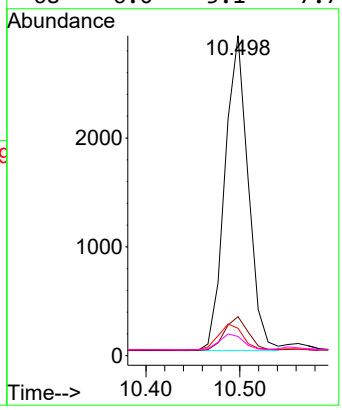


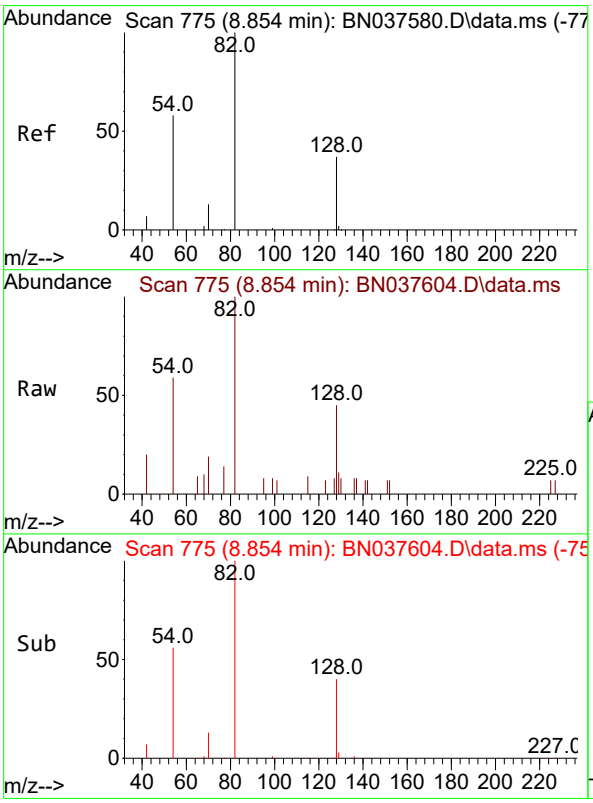
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN037604.D
Acq: 19 Aug 2025 13:04

Instrument :
BNA_N
ClientSampleId :
MW-17B-55.5-081225

Tgt Ion:136 Resp: 4983

Ion	Ratio	Lower	Upper
136	100		
137	12.2	9.5	14.3
54	8.5	7.3	10.9
68	6.0	5.1	7.7

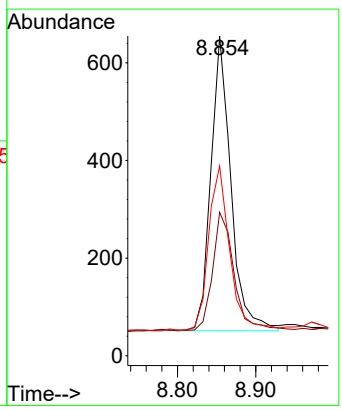


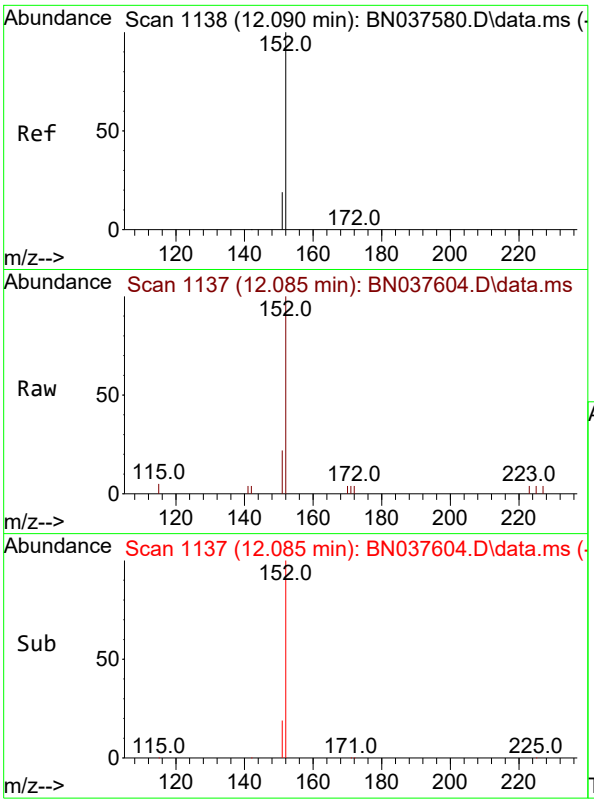


#8
Nitrobenzene-d5
Concen: 0.307 ng
RT: 8.854 min Scan# 775
Delta R.T. 0.000 min
Lab File: BN037604.D
Acq: 19 Aug 2025 13:04

Tgt Ion: 82 Resp: 1079

Ion	Ratio	Lower	Upper
82	100		
128	44.9	32.6	48.8
54	59.4	48.9	73.3



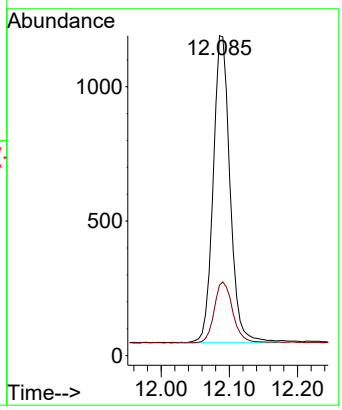


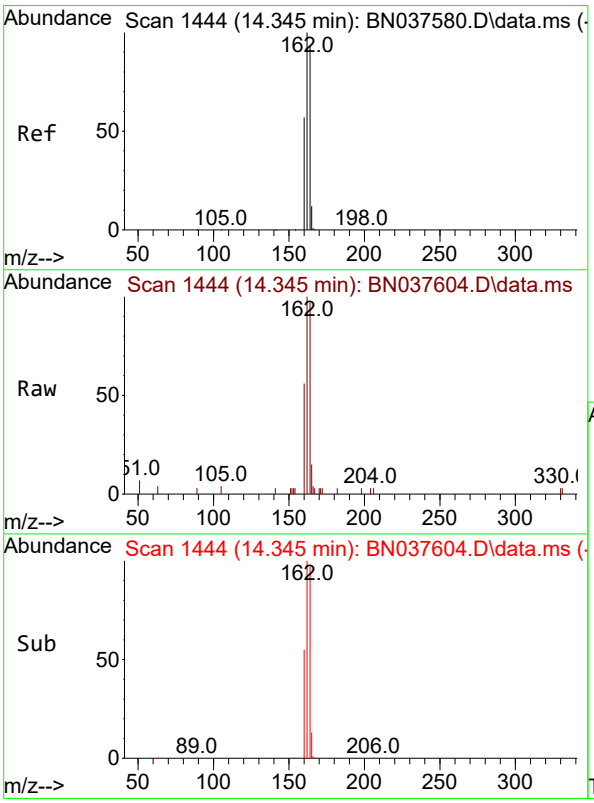
#11
2-Methylnaphthalene-d10
Concen: 0.290 ng
RT: 12.085 min Scan# 11
Delta R.T. -0.005 min
Lab File: BN037604.D
Acq: 19 Aug 2025 13:04

Instrument :
BNA_N
ClientSampleId :
MW-17B-55.5-081225

Tgt Ion:152 Resp: 1963

Ion	Ratio	Lower	Upper
152	100		
151	21.5	17.3	25.9

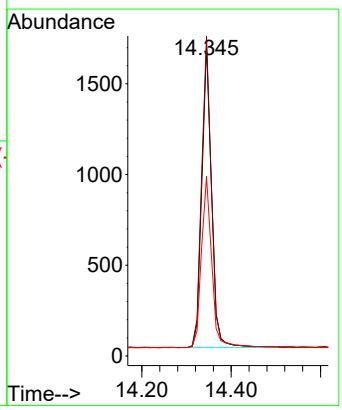


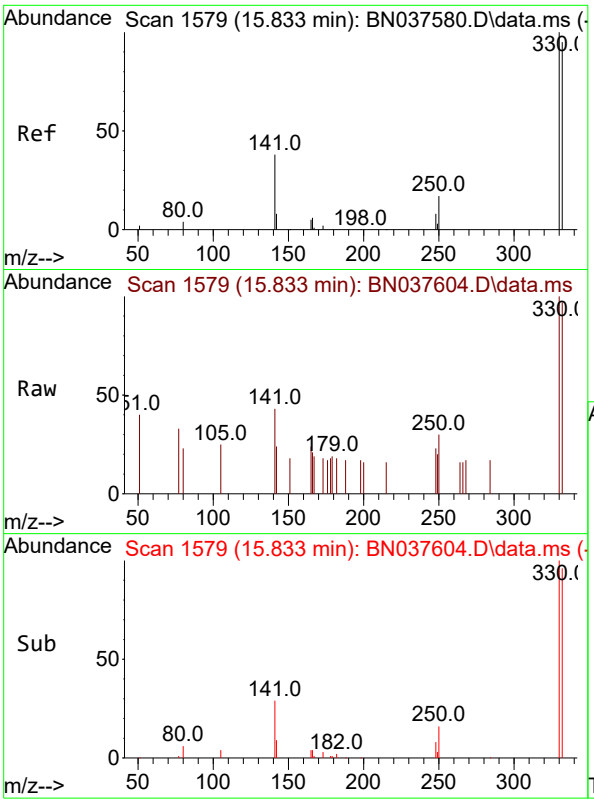


#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BN037604.D
Acq: 19 Aug 2025 13:04

Tgt Ion:164 Resp: 2519

Ion	Ratio	Lower	Upper
164	100		
162	102.9	85.5	128.3
160	57.8	49.5	74.3



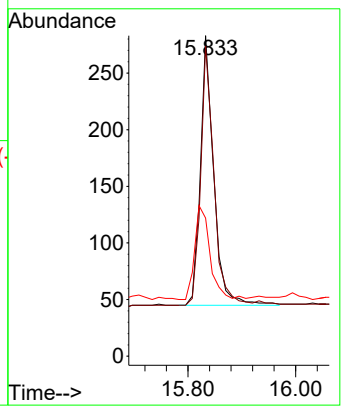


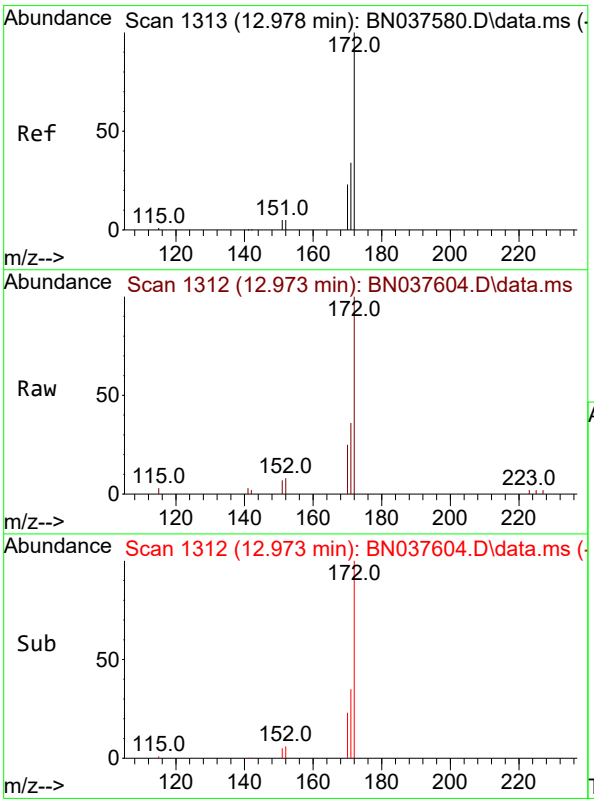
#14
2,4,6-Tribromophenol
Concen: 0.374 ng
RT: 15.833 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037604.D
Acq: 19 Aug 2025 13:04

Instrument :
BNA_N
ClientSampleId :
MW-17B-55.5-081225

Tgt Ion:330 Resp: 412

Ion	Ratio	Lower	Upper
330	100		
332	94.7	77.4	116.0
141	40.0	30.9	46.3

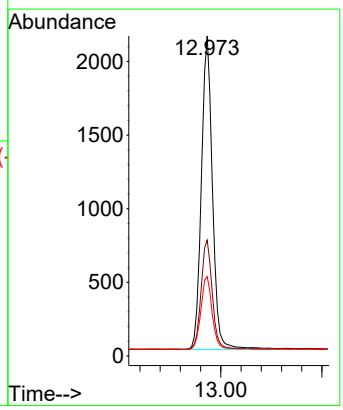


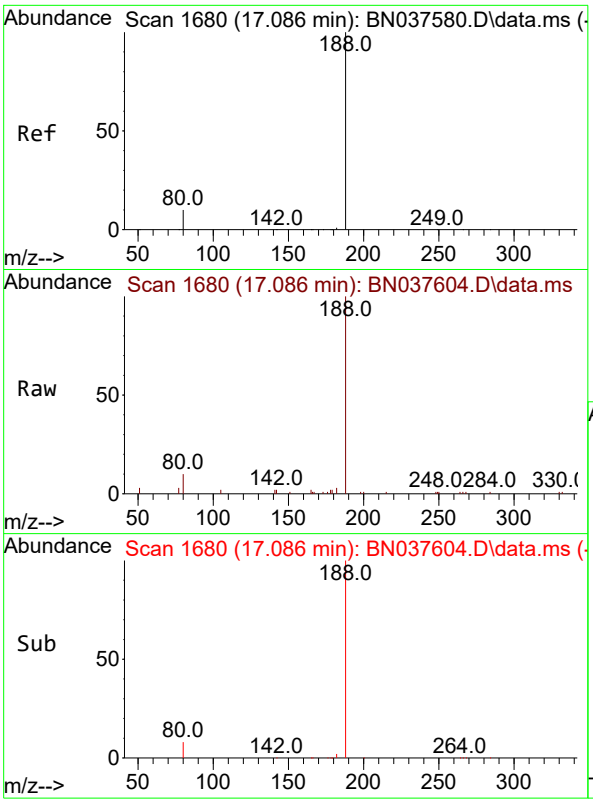


#15
2-Fluorobiphenyl
Concen: 0.306 ng
RT: 12.973 min Scan# 1312
Delta R.T. -0.005 min
Lab File: BN037604.D
Acq: 19 Aug 2025 13:04

Tgt Ion:172 Resp: 4451

Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.2	42.4
170	24.8	19.2	28.8



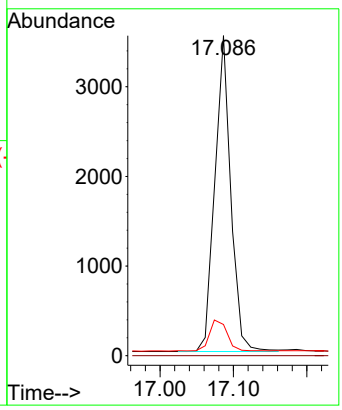


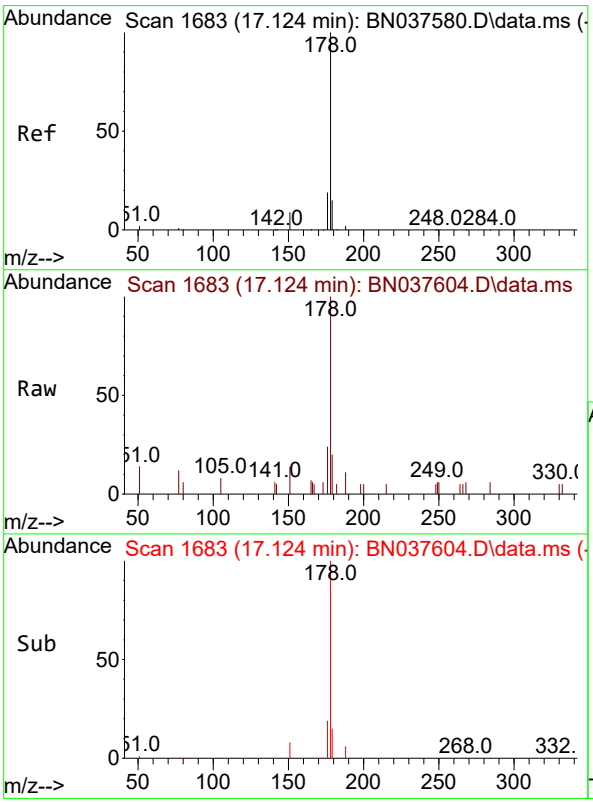
#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.086 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037604.D
Acq: 19 Aug 2025 13:04

Instrument :
BNA_N
ClientSampleId :
MW-17B-55.5-081225

Tgt Ion:188 Resp: 5311

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.7	9.1	13.7

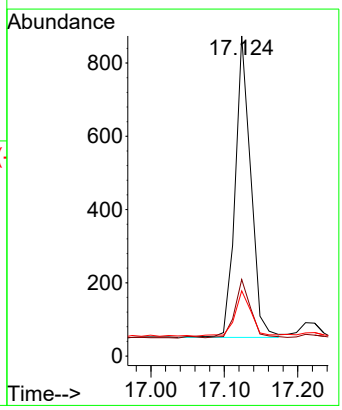


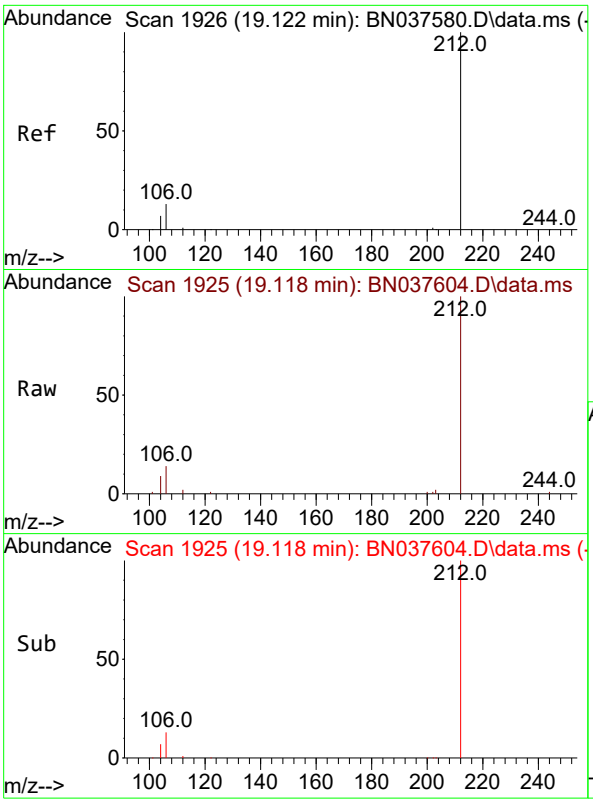


#25
Phenanthrene
Concen: 0.075 ng
RT: 17.124 min Scan# 1683
Delta R.T. 0.000 min
Lab File: BN037604.D
Acq: 19 Aug 2025 13:04

Tgt Ion:178 Resp: 1209

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.0	22.6
179	15.9	12.3	18.5



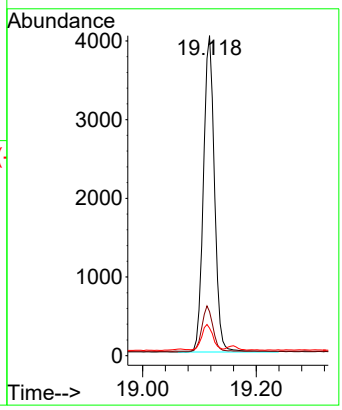


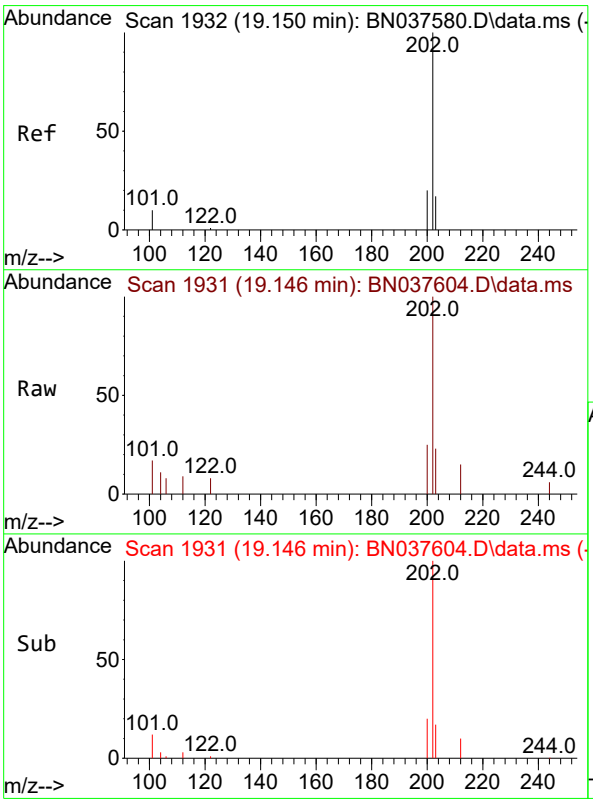
#27
Fluoranthene-d10
Concen: 0.387 ng
RT: 19.118 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN037604.D
Acq: 19 Aug 2025 13:04

Instrument :
BNA_N
ClientSampleId :
MW-17B-55.5-081225

Tgt Ion:212 Resp: 5412

Ion	Ratio	Lower	Upper
212	100		
106	14.2	11.5	17.3
104	8.2	6.6	9.8

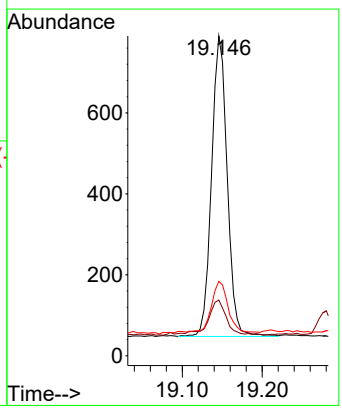


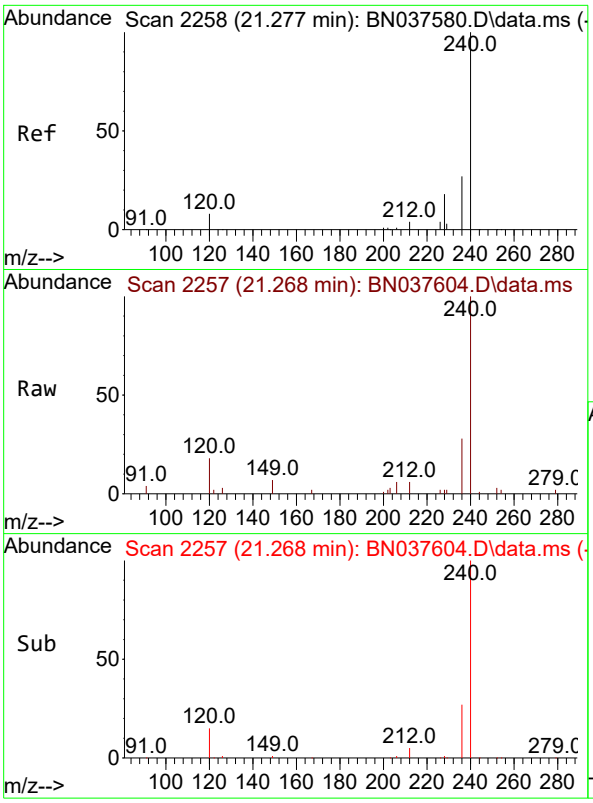


#28
Fluoranthene
Concen: 0.054 ng
RT: 19.146 min Scan# 1931
Delta R.T. -0.005 min
Lab File: BN037604.D
Acq: 19 Aug 2025 13:04

Tgt Ion:202 Resp: 1009

Ion	Ratio	Lower	Upper
202	100		
101	13.4	9.0	13.6
203	17.4	13.8	20.8



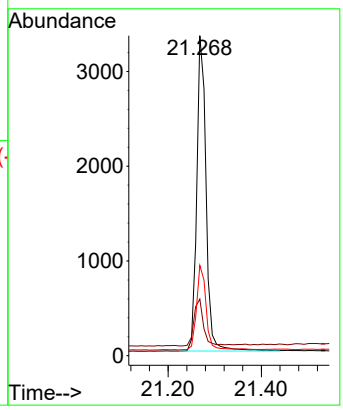


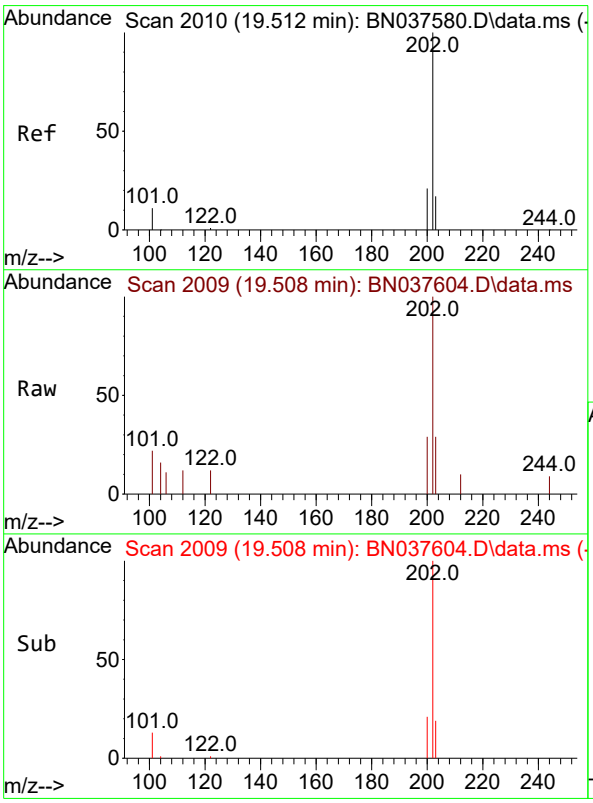
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.268 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037604.D
Acq: 19 Aug 2025 13:04

Instrument :
BNA_N
ClientSampleId :
MW-17B-55.5-081225

Tgt Ion:240 Resp: 4640

Ion	Ratio	Lower	Upper
240	100		
120	17.7	8.9	13.3#
236	28.2	22.6	33.8

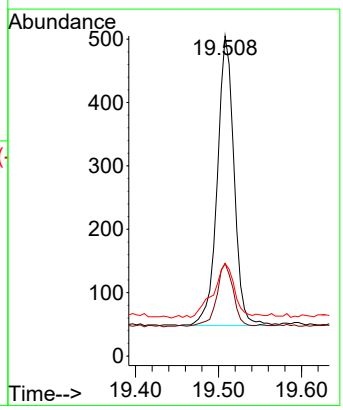


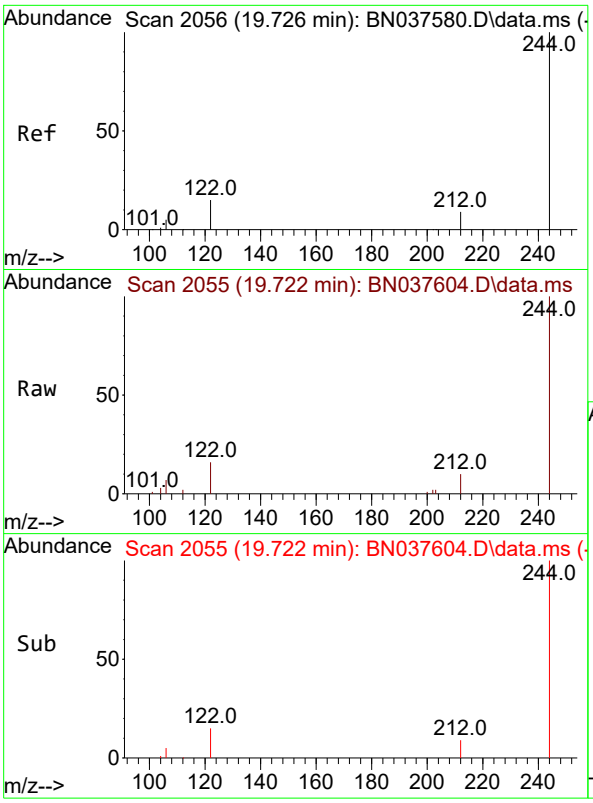


#30
Pyrene
Concen: 0.037 ng
RT: 19.508 min Scan# 2009
Delta R.T. -0.005 min
Lab File: BN037604.D
Acq: 19 Aug 2025 13:04

Tgt Ion:202 Resp: 640

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.6	25.0
203	23.3	14.3	21.5#



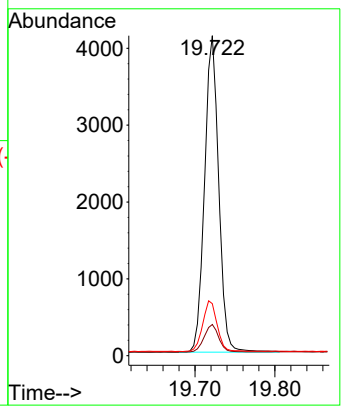


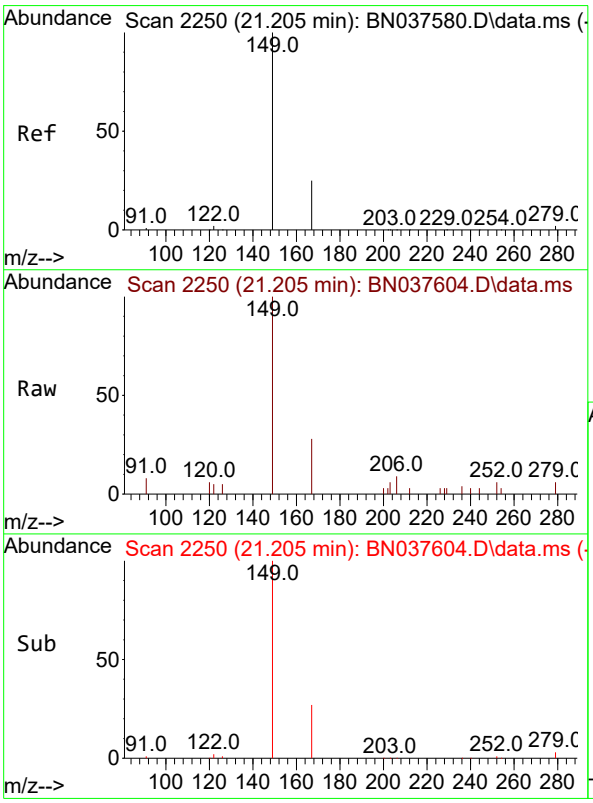
#31
Terphenyl-d14
Concen: 0.530 ng
RT: 19.722 min Scan# 2
Delta R.T. -0.005 min
Lab File: BN037604.D
Acq: 19 Aug 2025 13:04

Instrument :
BNA_N
ClientSampleId :
MW-17B-55.5-081225

Tgt Ion:244 Resp: 5059

Ion	Ratio	Lower	Upper
244	100		
212	9.8	8.2	12.2
122	16.3	13.2	19.8

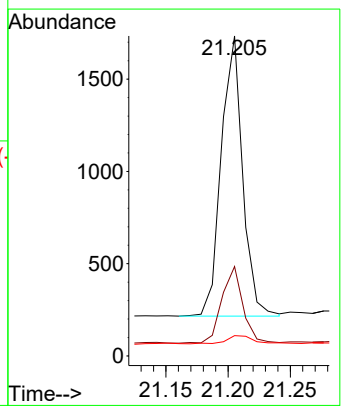


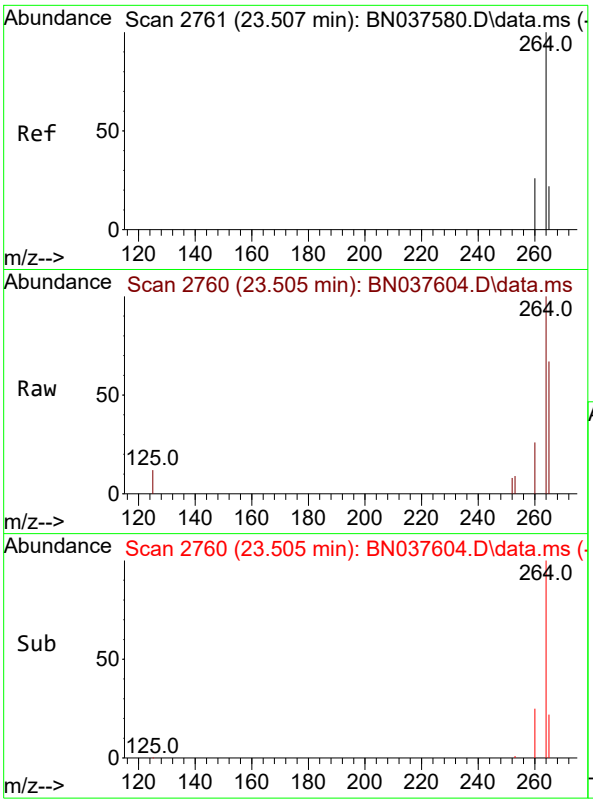


#34
Bis(2-ethylhexyl)phthalate
Concen: 0.284 ng
RT: 21.205 min Scan# 2250
Delta R.T. 0.000 min
Lab File: BN037604.D
Acq: 19 Aug 2025 13:04

Tgt Ion:149 Resp: 1816

Ion	Ratio	Lower	Upper
149	100		
167	27.0	20.5	30.7
279	3.7	2.6	4.0



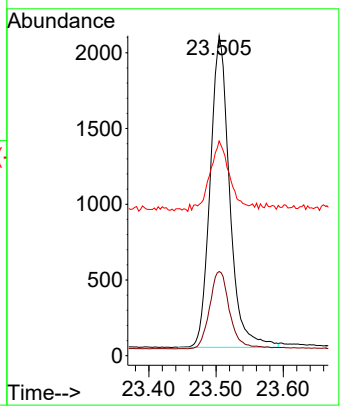


#35
Perylene-d12
Concen: 0.400 ng
RT: 23.505 min Scan# 2
Delta R.T. -0.003 min
Lab File: BN037604.D
Acq: 19 Aug 2025 13:04

Instrument :
BNA_N
ClientSampleId :
MW-17B-55.5-081225

Tgt Ion:264 Resp: 4122

Ion	Ratio	Lower	Upper
264	100		
260	26.3	21.6	32.4
265	67.1	48.2	72.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037607.D
Acq On : 19 Aug 2025 14:53
Operator : RC/JU
Sample : Q2842-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-06-6.5-081225

Quant Time: Aug 20 01:26:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration

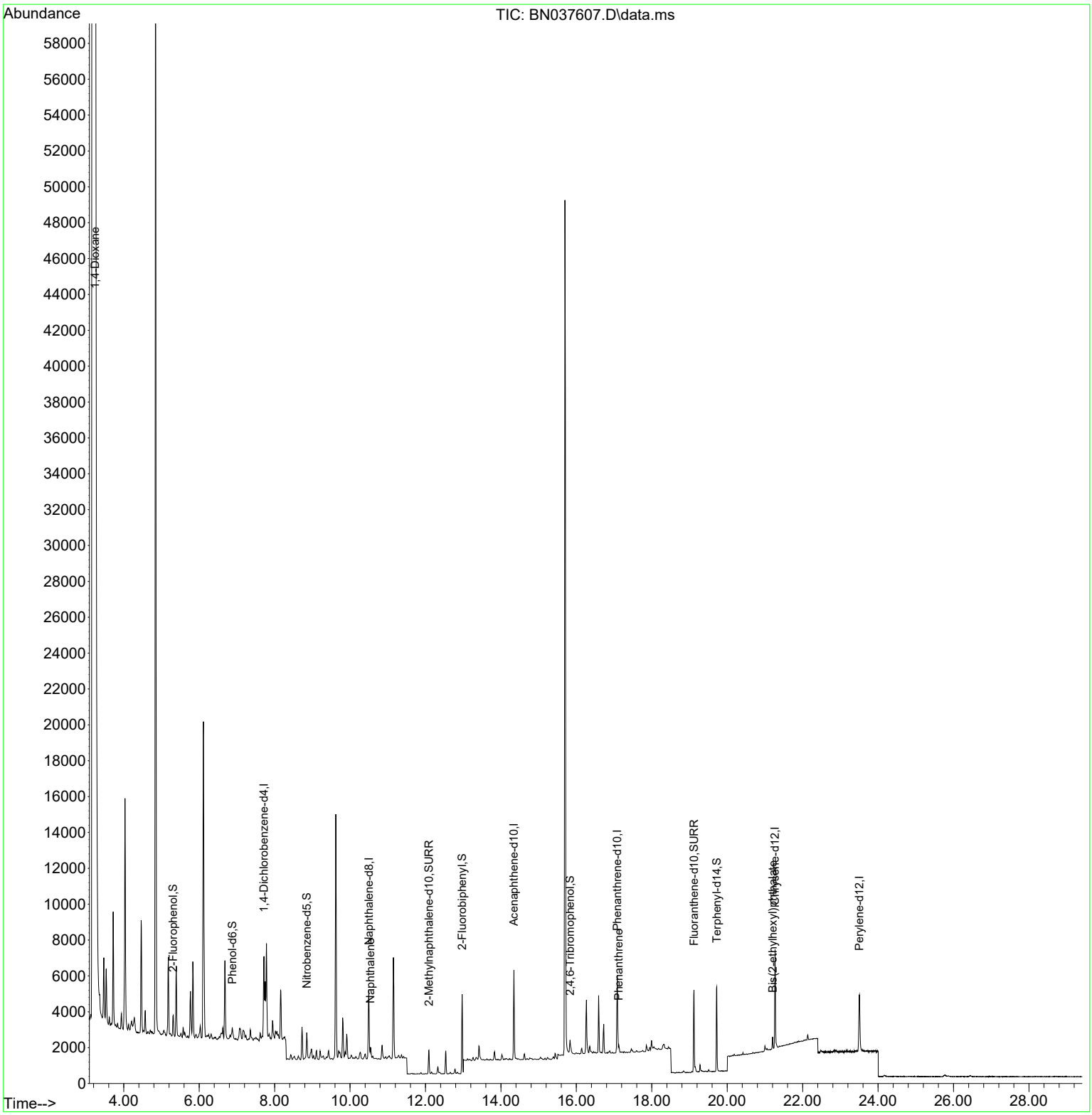
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	2139	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	5184	0.400	ng	0.00
13) Acenaphthene-d10	14.345	164	2604	0.400	ng	0.00
19) Phenanthrene-d10	17.086	188	5518	0.400	ng	0.00
29) Chrysene-d12	21.268	240	4981	0.400	ng	# 0.00
35) Perylene-d12	23.505	264	4415	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	635	0.131	ng	0.00
5) Phenol-d6	6.879	99	478	0.082	ng	0.00
8) Nitrobenzene-d5	8.854	82	1097	0.300	ng	0.00
11) 2-Methylnaphthalene-d10	12.090	152	1850	0.263	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	419	0.368	ng	0.00
15) 2-Fluorobiphenyl	12.973	172	5251	0.349	ng	0.00
27) Fluoranthene-d10	19.118	212	5180	0.357	ng	0.00
31) Terphenyl-d14	19.722	244	4411	0.430	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.239	88	1272	0.622	ng	# 3
9) Naphthalene	10.541	128	796	0.058	ng	# 80
25) Phenanthrene	17.124	178	436	0.026	ng	# 91
34) Bis(2-ethylhexyl)phtha...	21.205	149	727	0.106	ng	# 99

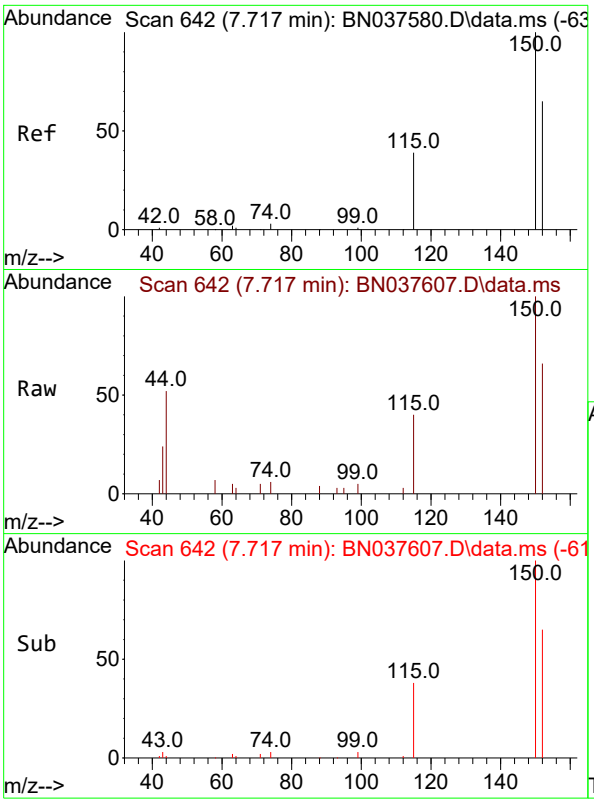
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037607.D
Acq On : 19 Aug 2025 14:53
Operator : RC/JU
Sample : Q2842-06
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MW-06-6.5-081225

Quant Time: Aug 20 01:26:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration



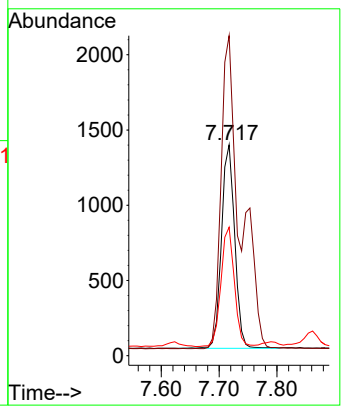


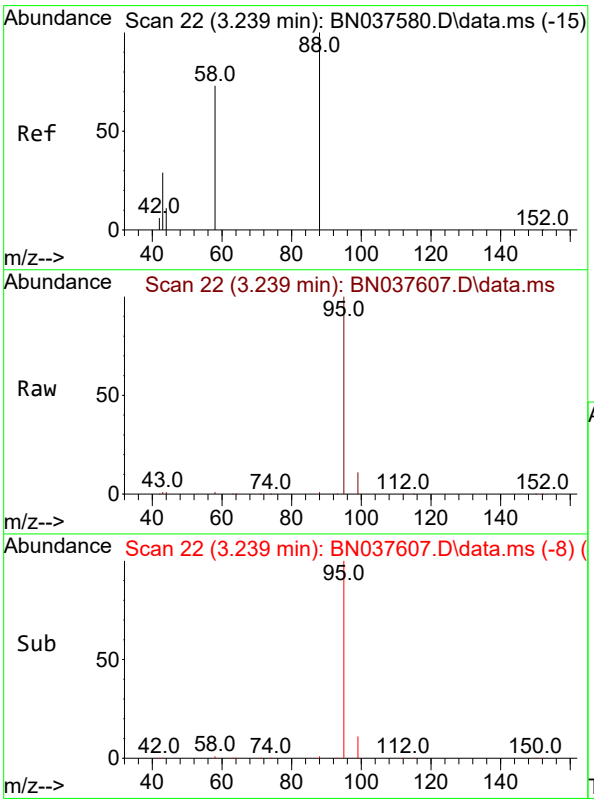
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.717 min Scan# 64
Delta R.T. 0.000 min
Lab File: BN037607.D
Acq: 19 Aug 2025 14:53

Instrument :
BNA_N
ClientSampleId :
MW-06-6.5-081225

Tgt Ion:152 Resp: 2139

Ion	Ratio	Lower	Upper
152	100		
150	151.7	122.2	183.4
115	60.9	49.8	74.6

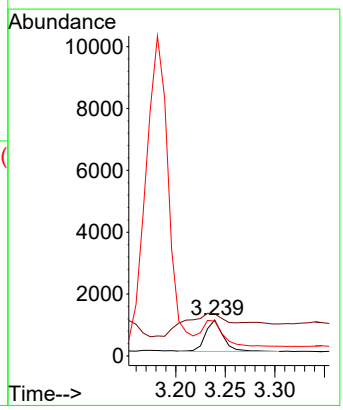


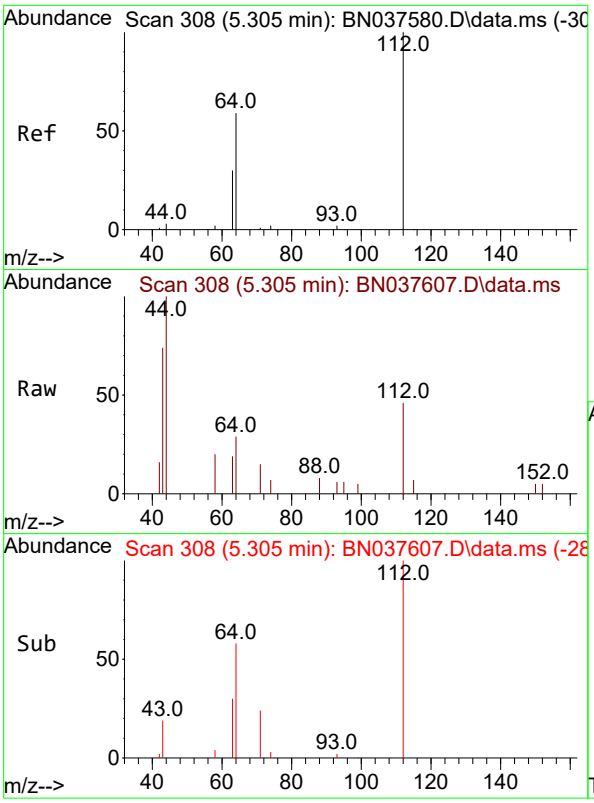


#2
1,4-Dioxane
Concen: 0.622 ng
RT: 3.239 min Scan# 22
Delta R.T. 0.000 min
Lab File: BN037607.D
Acq: 19 Aug 2025 14:53

Tgt Ion: 88 Resp: 1272

Ion	Ratio	Lower	Upper
88	100		
43	185.2	25.8	38.6#
58	96.1	61.2	91.8#



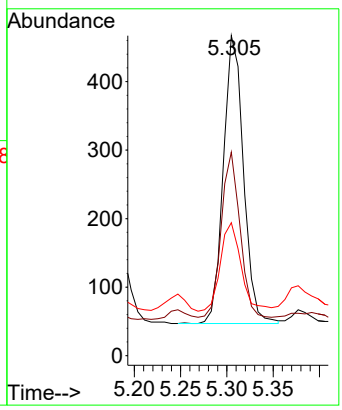


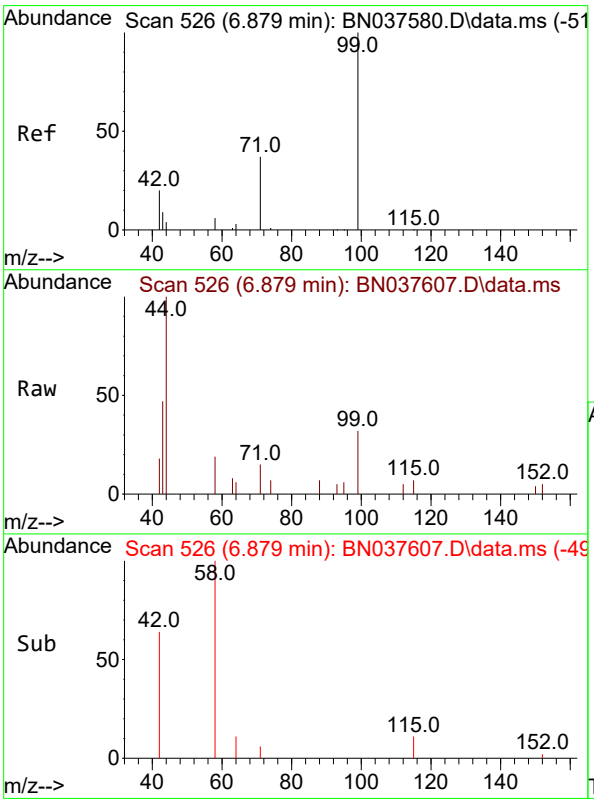
#4
2-Fluorophenol
Concen: 0.131 ng
RT: 5.305 min Scan# 3
Delta R.T. 0.000 min
Lab File: BN037607.D
Acq: 19 Aug 2025 14:53

Instrument :
BNA_N
ClientSampleId :
MW-06-6.5-081225

Tgt Ion:112 Resp: 635

Ion	Ratio	Lower	Upper
112	100		
64	55.3	44.9	67.3
63	31.7	23.4	35.2

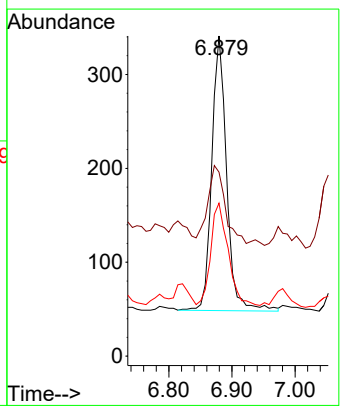


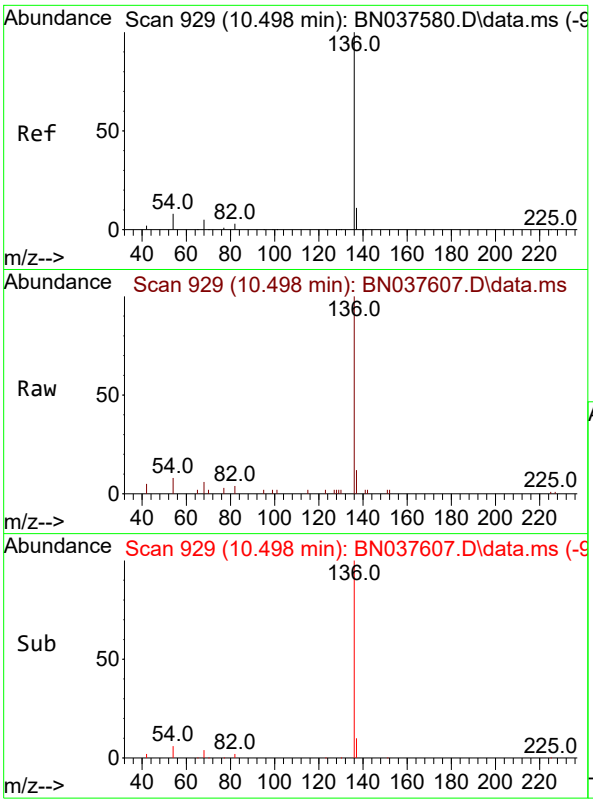


#5
Phenol-d6
Concen: 0.082 ng
RT: 6.879 min Scan# 526
Delta R.T. 0.000 min
Lab File: BN037607.D
Acq: 19 Aug 2025 14:53

Tgt Ion: 99 Resp: 478

Ion	Ratio	Lower	Upper
99	100		
42	32.0	18.5	27.7#
71	43.9	28.6	42.8#



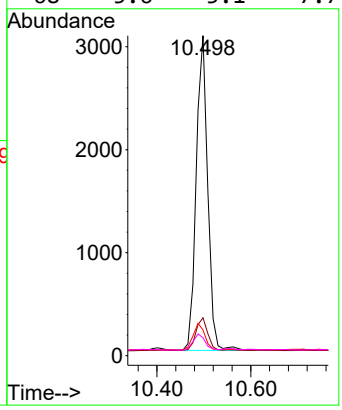


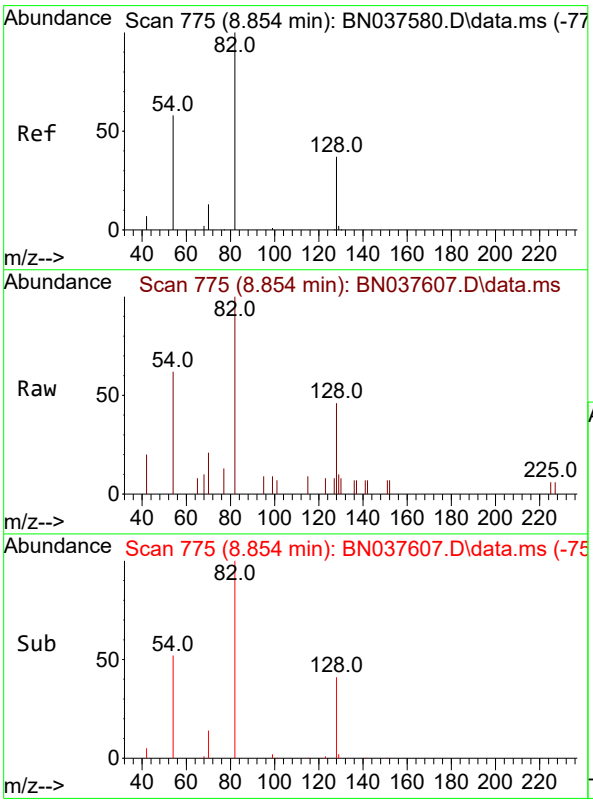
#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 9
Delta R.T. 0.000 min
Lab File: BN037607.D
Acq: 19 Aug 2025 14:53

Instrument :
BNA_N
ClientSampleId :
MW-06-6.5-081225

Tgt Ion:136 Resp: 5184

Ion	Ratio	Lower	Upper
136	100		
137	11.9	9.5	14.3
54	8.1	7.3	10.9
68	5.6	5.1	7.7

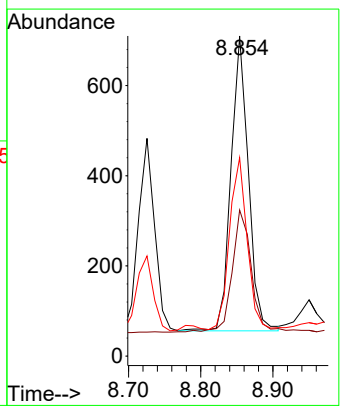


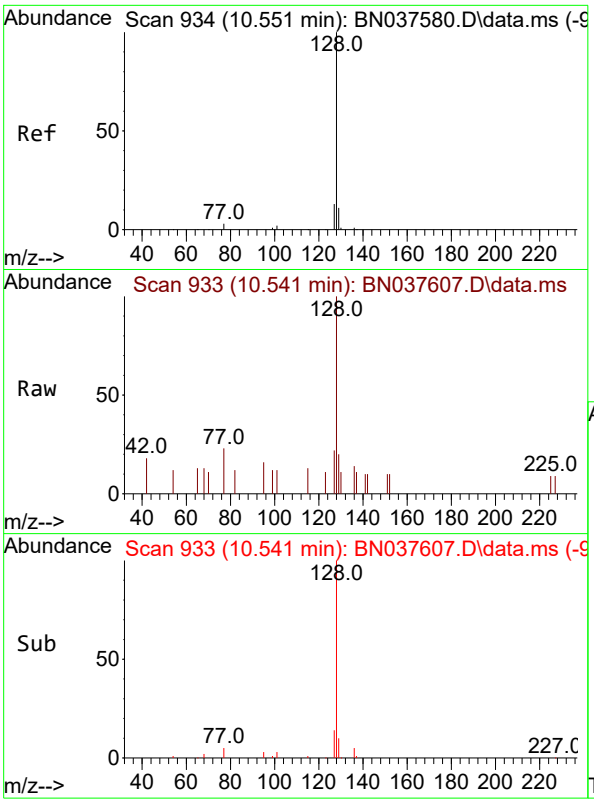


#8
Nitrobenzene-d5
Concen: 0.300 ng
RT: 8.854 min Scan# 775
Delta R.T. 0.000 min
Lab File: BN037607.D
Acq: 19 Aug 2025 14:53

Tgt Ion: 82 Resp: 1097

Ion	Ratio	Lower	Upper
82	100		
128	45.6	32.6	48.8
54	62.0	48.9	73.3



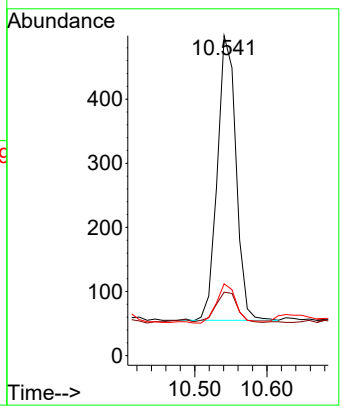


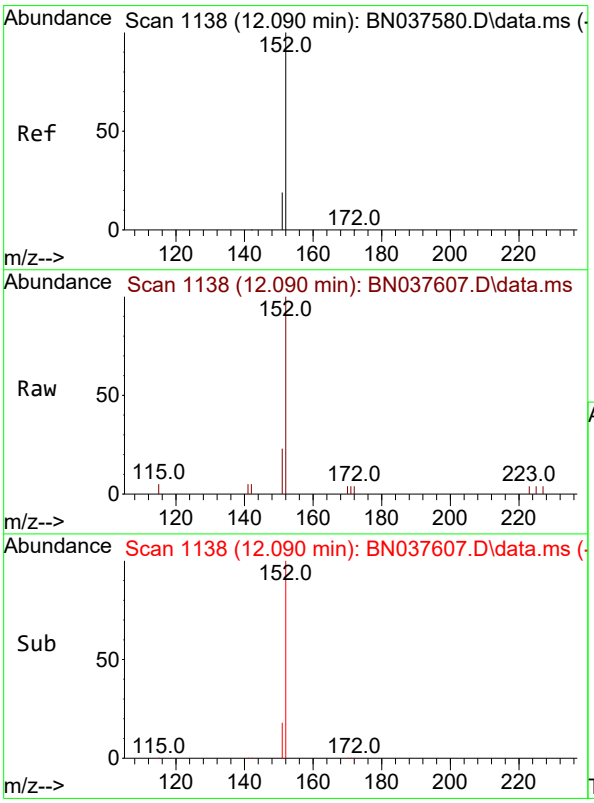
#9
Naphthalene
Concen: 0.058 ng
RT: 10.541 min Scan# 9
Delta R.T. -0.011 min
Lab File: BN037607.D
Acq: 19 Aug 2025 14:53

Instrument :
BNA_N
ClientSampleId :
MW-06-6.5-081225

Tgt Ion:128 Resp: 796

Ion	Ratio	Lower	Upper
128	100		
129	19.8	9.8	14.6#
127	22.4	11.5	17.3#

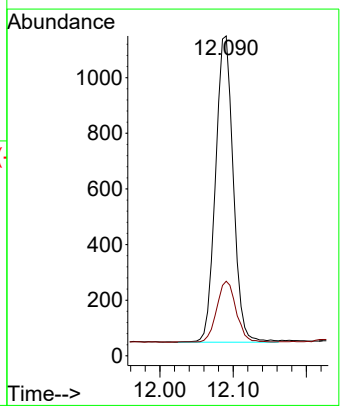


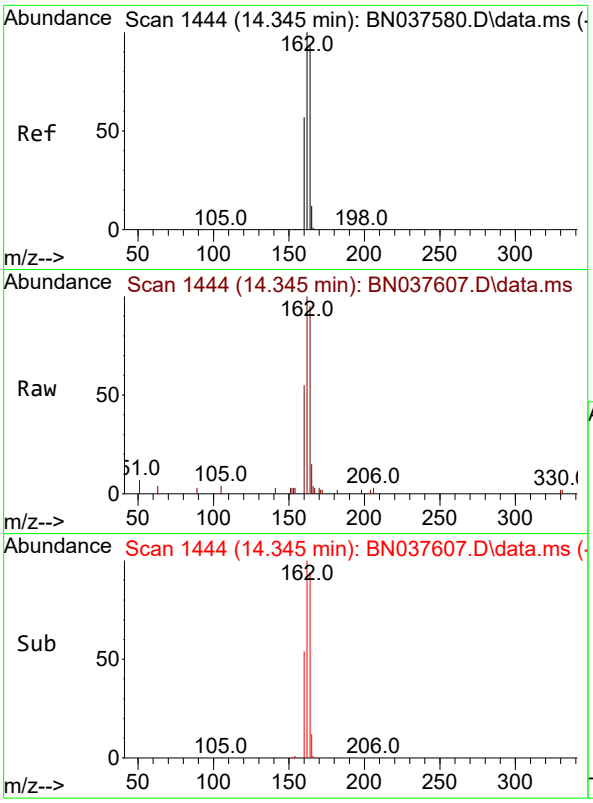


#11
2-Methylnaphthalene-d10
Concen: 0.263 ng
RT: 12.090 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BN037607.D
Acq: 19 Aug 2025 14:53

Tgt Ion:152 Resp: 1850

Ion	Ratio	Lower	Upper
152	100		
151	21.5	17.3	25.9



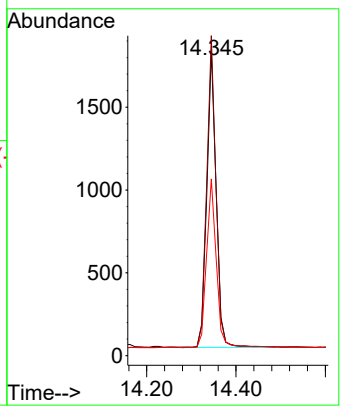


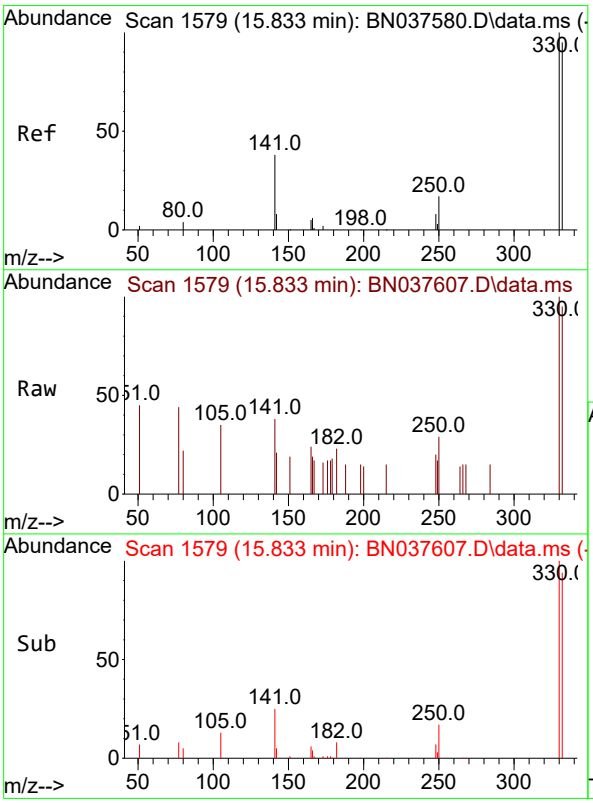
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037607.D
Acq: 19 Aug 2025 14:53

Instrument :
BNA_N
ClientSampleId :
MW-06-6.5-081225

Tgt Ion:164 Resp: 2604

Ion	Ratio	Lower	Upper
164	100		
162	104.8	85.5	128.3
160	57.9	49.5	74.3

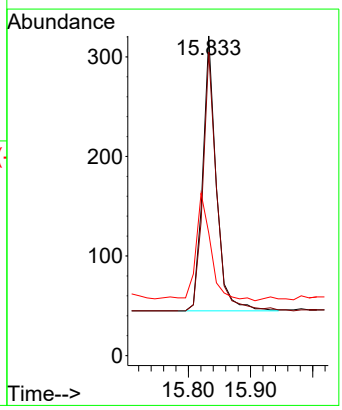


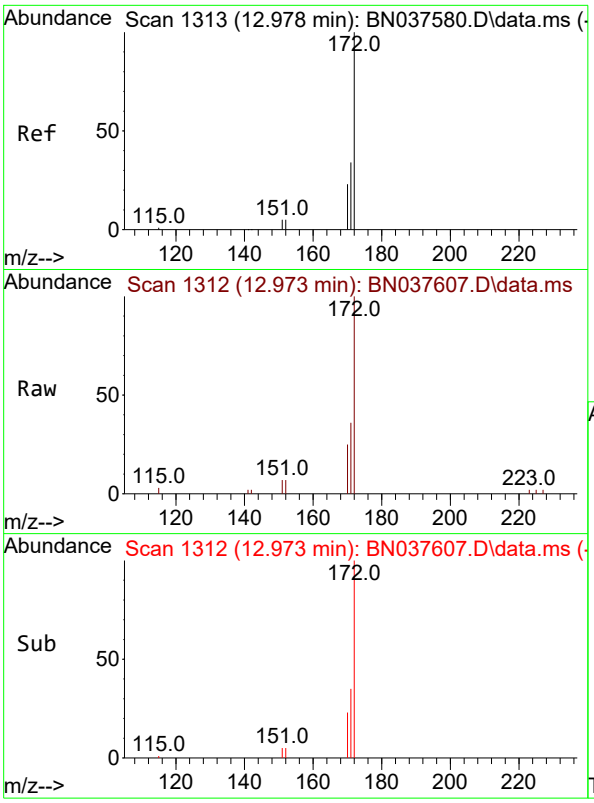


#14
2,4,6-Tribromophenol
Concen: 0.368 ng
RT: 15.833 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BN037607.D
Acq: 19 Aug 2025 14:53

Tgt Ion:330 Resp: 419

Ion	Ratio	Lower	Upper
330	100		
332	95.2	77.4	116.0
141	44.6	30.9	46.3



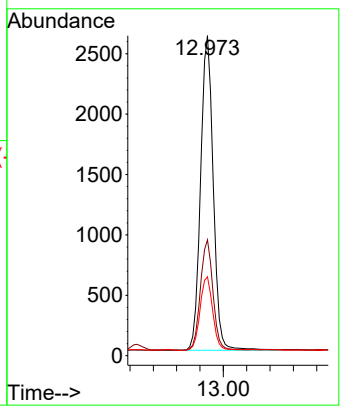


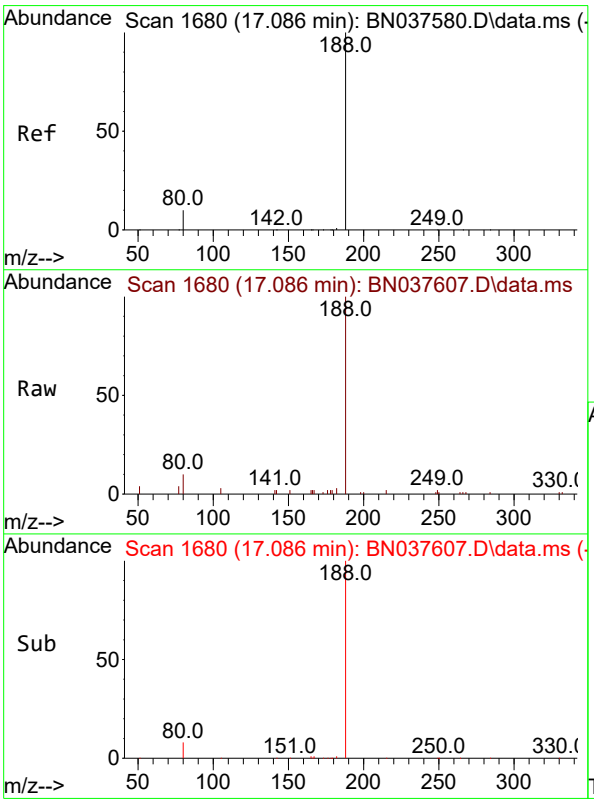
#15
2-Fluorobiphenyl
Concen: 0.349 ng
RT: 12.973 min Scan# 1
Delta R.T. -0.005 min
Lab File: BN037607.D
Acq: 19 Aug 2025 14:53

Instrument :
BNA_N
ClientSampleId :
MW-06-6.5-081225

Tgt Ion:172 Resp: 5251

Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.2	42.4
170	24.7	19.2	28.8

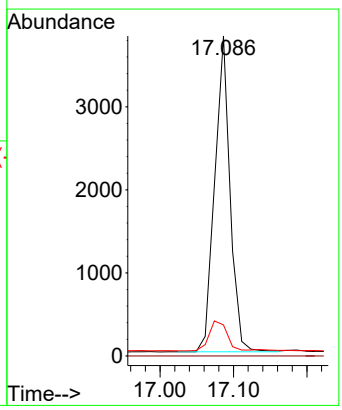


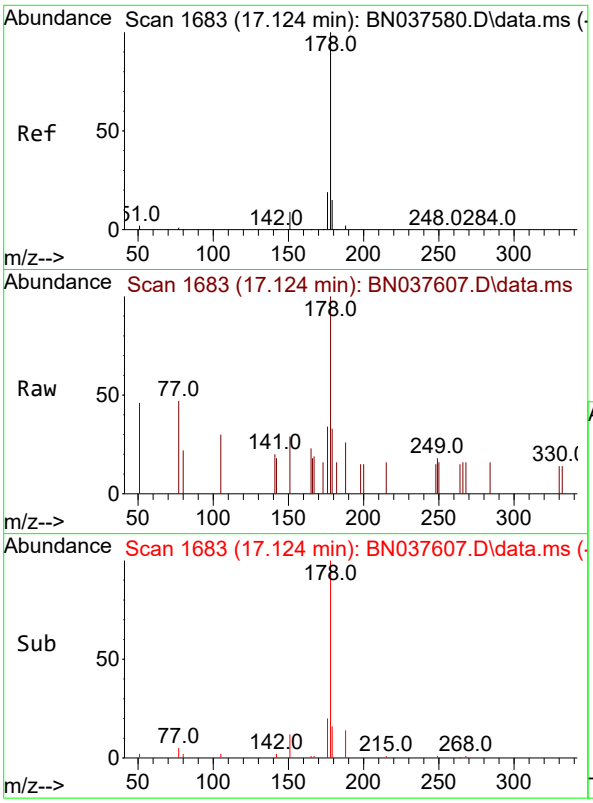


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.086 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BN037607.D
Acq: 19 Aug 2025 14:53

Tgt Ion:188 Resp: 5518

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	9.7	9.1	13.7



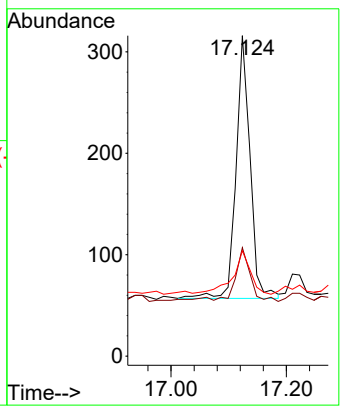


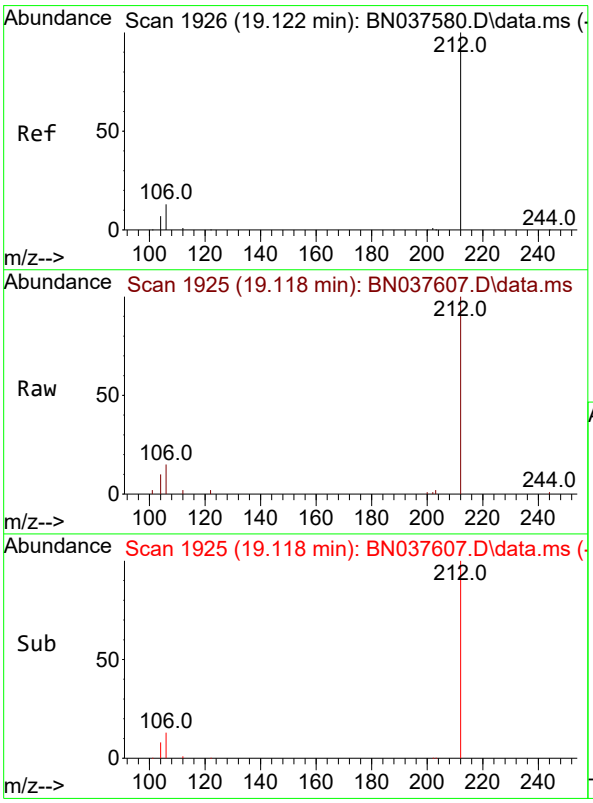
#25
Phenanthrene
Concen: 0.026 ng
RT: 17.124 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037607.D
Acq: 19 Aug 2025 14:53

Instrument :
BNA_N
ClientSampleId :
MW-06-6.5-081225

Tgt Ion:178 Resp: 436

Ion	Ratio	Lower	Upper
178	100		
176	20.9	15.0	22.6
179	21.6	12.3	18.5#

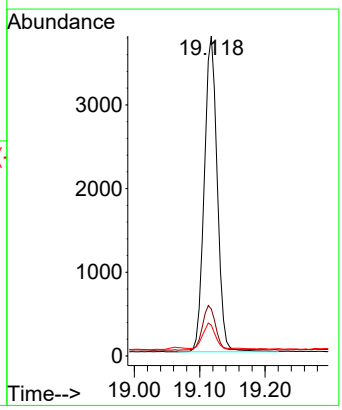


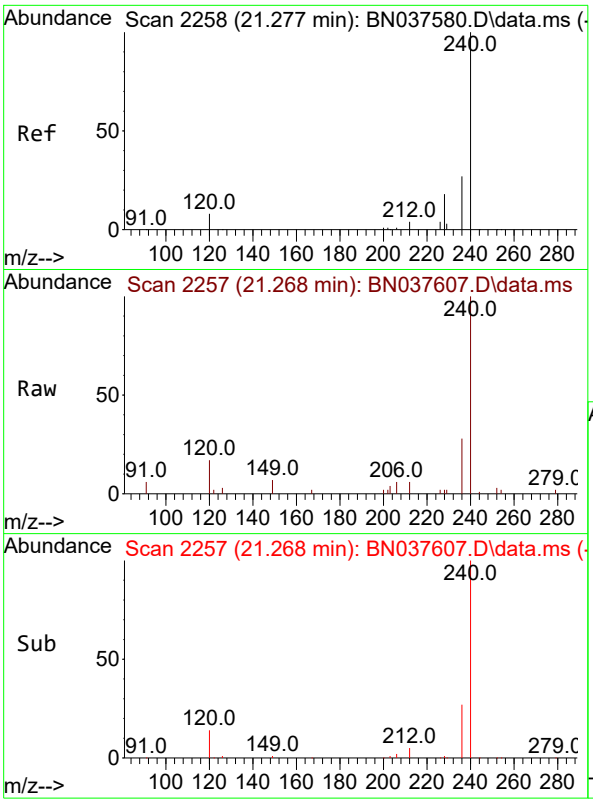


#27
Fluoranthene-d10
Concen: 0.357 ng
RT: 19.118 min Scan# 1925
Delta R.T. -0.005 min
Lab File: BN037607.D
Acq: 19 Aug 2025 14:53

Tgt Ion:212 Resp: 5180

Ion	Ratio	Lower	Upper
212	100		
106	14.3	11.5	17.3
104	7.7	6.6	9.8



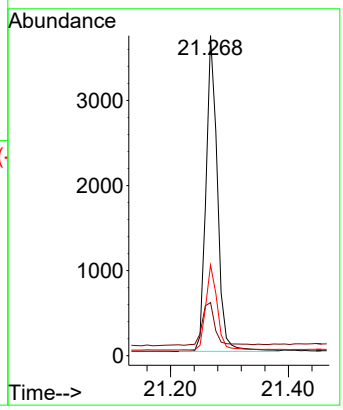


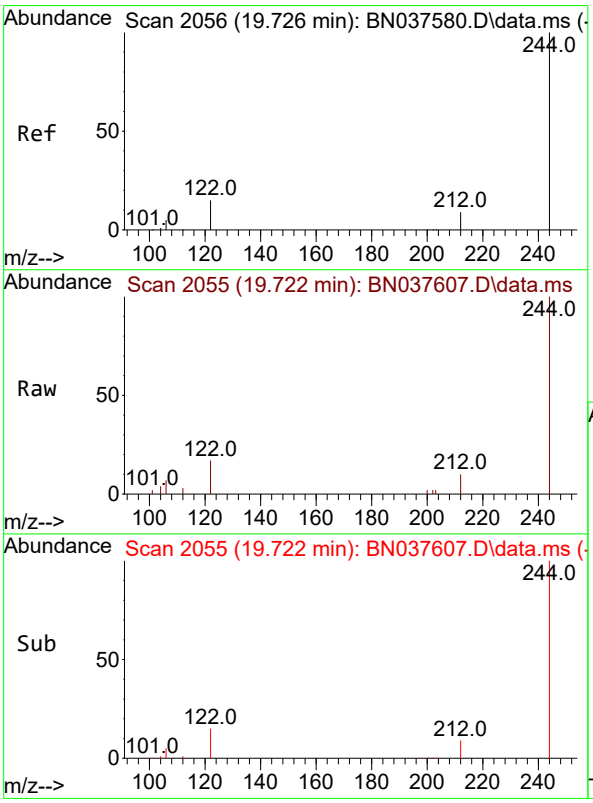
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.268 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037607.D
Acq: 19 Aug 2025 14:53

Instrument :
BNA_N
ClientSampleId :
MW-06-6.5-081225

Tgt Ion:240 Resp: 4981

Ion	Ratio	Lower	Upper
240	100		
120	16.6	8.9	13.3#
236	28.4	22.6	33.8

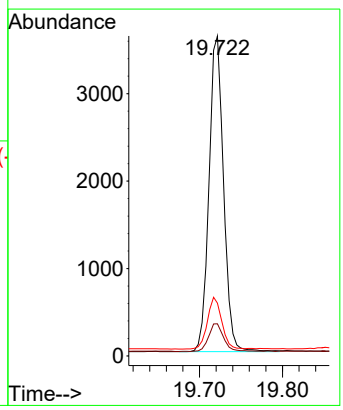


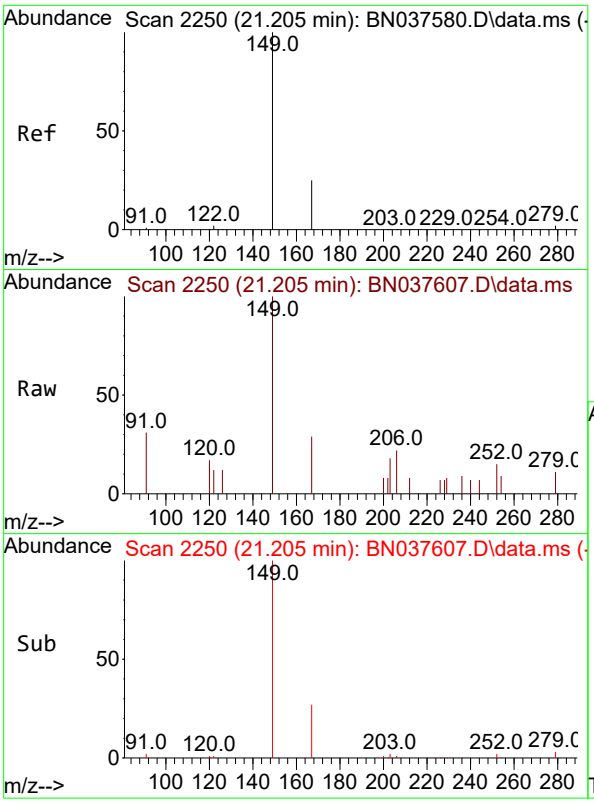


#31
Terphenyl-d14
Concen: 0.430 ng
RT: 19.722 min Scan# 2055
Delta R.T. -0.005 min
Lab File: BN037607.D
Acq: 19 Aug 2025 14:53

Tgt Ion:244 Resp: 4411

Ion	Ratio	Lower	Upper
244	100		
212	10.1	8.2	12.2
122	16.5	13.2	19.8



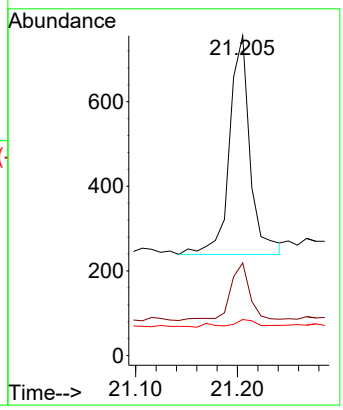


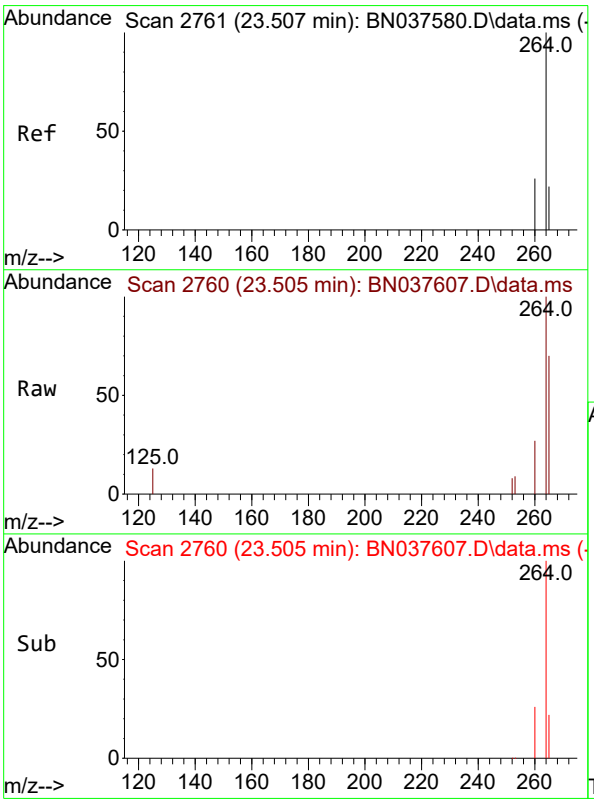
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.106 ng
RT: 21.205 min Scan# 2
Delta R.T. 0.000 min
Lab File: BN037607.D
Acq: 19 Aug 2025 14:53

Instrument :
BNA_N
ClientSampleId :
MW-06-6.5-081225

Tgt Ion:149 Resp: 727

Ion	Ratio	Lower	Upper
149	100		
167	25.0	20.5	30.7
279	2.5	2.6	4.0#

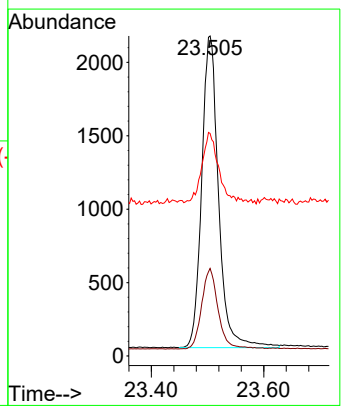




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.505 min Scan# 2760
Delta R.T. -0.003 min
Lab File: BN037607.D
Acq: 19 Aug 2025 14:53

Tgt Ion:264 Resp: 4415

Ion	Ratio	Lower	Upper
264	100		
260	27.4	21.6	32.4
265	69.5	48.2	72.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037619.D
Acq On : 20 Aug 2025 04:50
Operator : RC/JU
Sample : PB169286BL
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB169286BL

Quant Time: Aug 20 06:13:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration

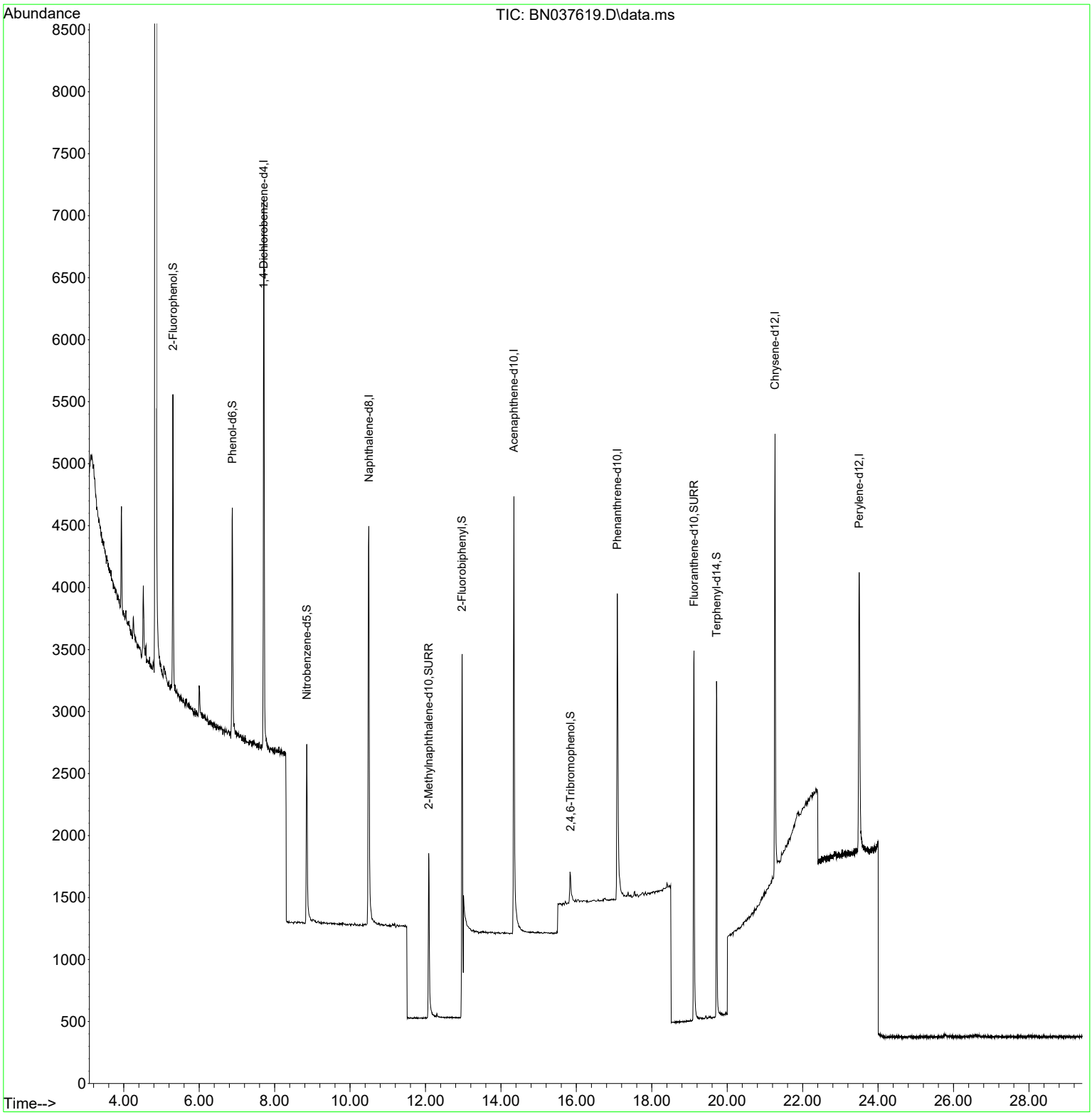
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.710	152	2323	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	5229	0.400	ng	0.00
13) Acenaphthene-d10	14.345	164	2344	0.400	ng	0.00
19) Phenanthrene-d10	17.087	188	4466	0.400	ng	0.00
29) Chrysene-d12	21.268	240	3733	0.400	ng	# 0.00
35) Perylene-d12	23.499	264	3552	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	1799	0.342	ng	0.00
5) Phenol-d6	6.880	99	1860	0.293	ng	0.00
8) Nitrobenzene-d5	8.854	82	1323	0.359	ng	0.00
11) 2-Methylnaphthalene-d10	12.086	152	2298	0.323	ng	0.00
14) 2,4,6-Tribromophenol	15.845	330	240	0.234	ng	0.01
15) 2-Fluorobiphenyl	12.968	172	4692	0.346	ng	0.00
27) Fluoranthene-d10	19.118	212	3886	0.331	ng	0.00
31) Terphenyl-d14	19.717	244	2840	0.370	ng	0.00
Target Compounds						Qvalue

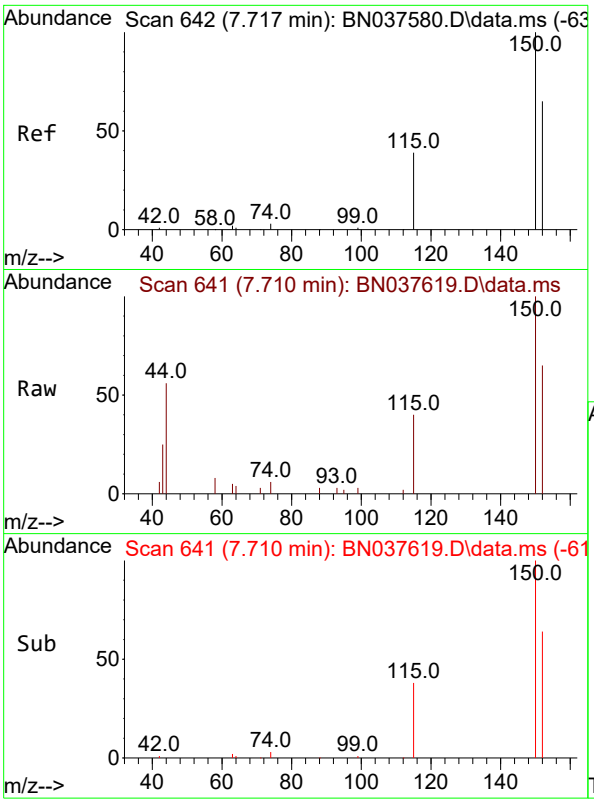
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037619.D
Acq On : 20 Aug 2025 04:50
Operator : RC/JU
Sample : PB169286BL
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB169286BL

Quant Time: Aug 20 06:13:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration



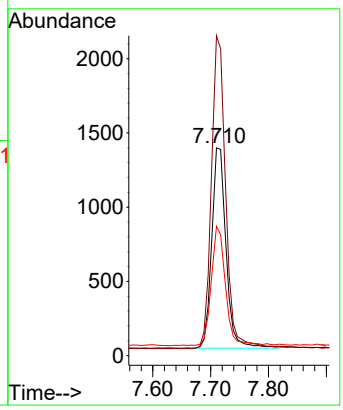


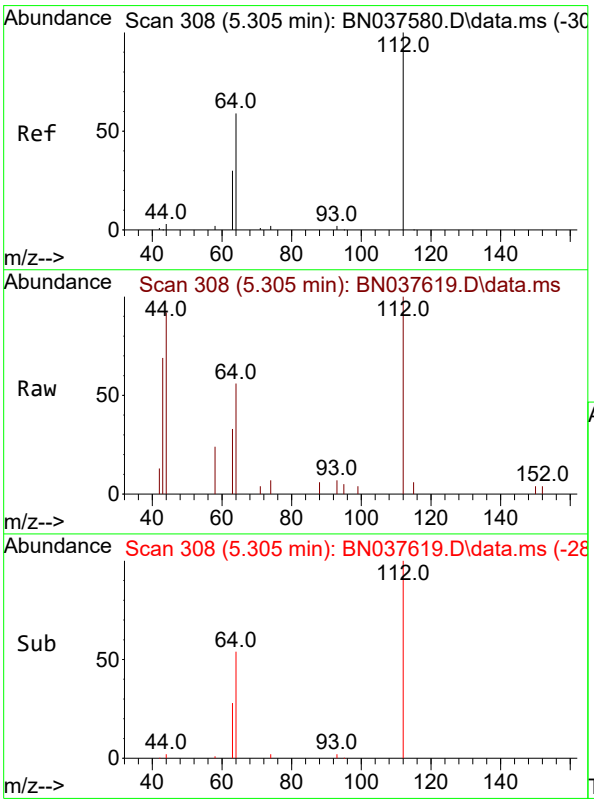
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.710 min Scan# 64
Delta R.T. -0.007 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

Instrument :
BNA_N
ClientSampleId :
PB169286BL

Tgt Ion:152 Resp: 2323

Ion	Ratio	Lower	Upper
152	100		
150	153.9	122.2	183.4
115	62.3	49.8	74.6

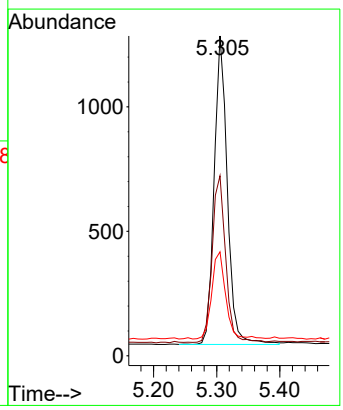


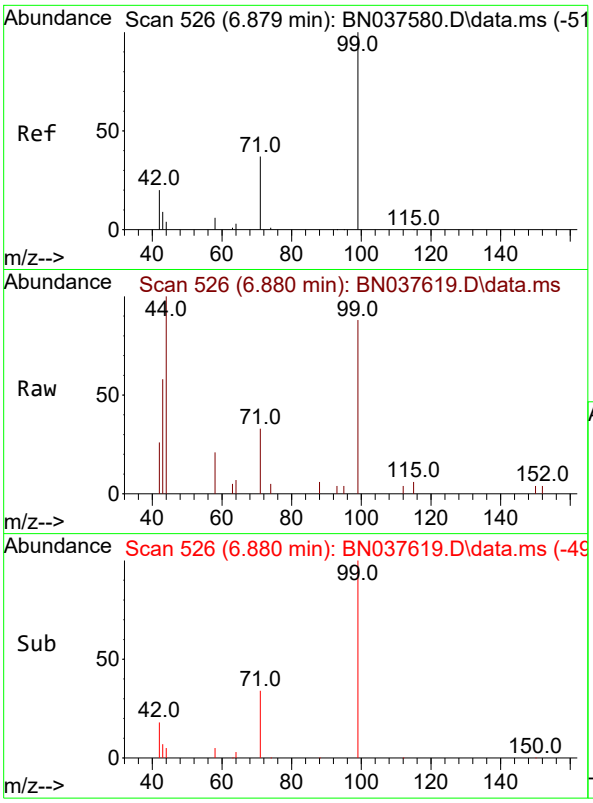


#4
2-Fluorophenol
Concen: 0.342 ng
RT: 5.305 min Scan# 308
Delta R.T. 0.000 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

Tgt Ion:112 Resp: 1799

Ion	Ratio	Lower	Upper
112	100		
64	55.3	44.9	67.3
63	30.0	23.4	35.2



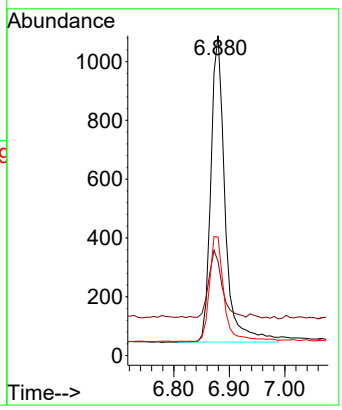


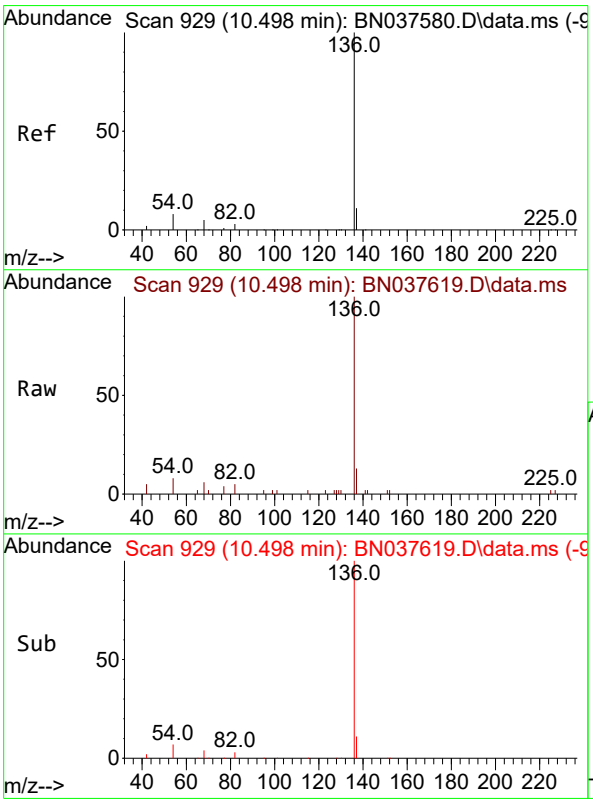
#5
Phenol-d6
Concen: 0.293 ng
RT: 6.880 min Scan# 5
Delta R.T. 0.000 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

Instrument :
BNA_N
ClientSampleId :
PB169286BL

Tgt Ion: 99 Resp: 1860

Ion	Ratio	Lower	Upper
99	100		
42	20.8	18.5	27.7
71	35.5	28.6	42.8

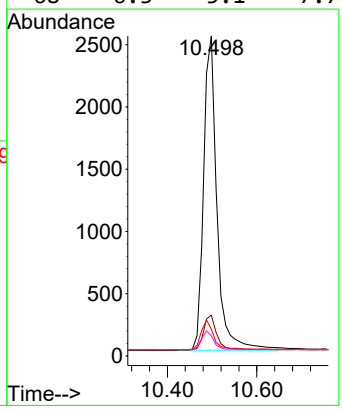


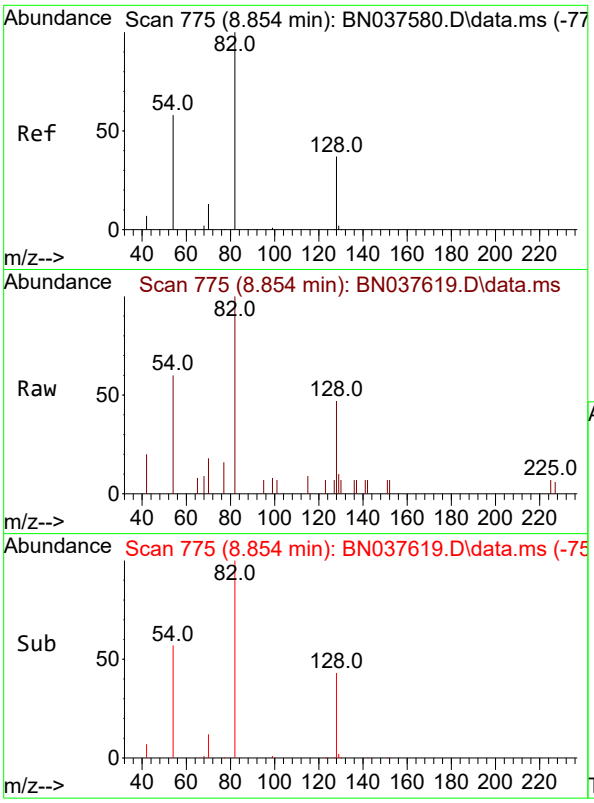


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.498 min Scan# 929
Delta R.T. 0.000 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

Tgt Ion:136 Resp: 5229

Ion	Ratio	Lower	Upper
136	100		
137	12.8	9.5	14.3
54	8.4	7.3	10.9
68	6.3	5.1	7.7



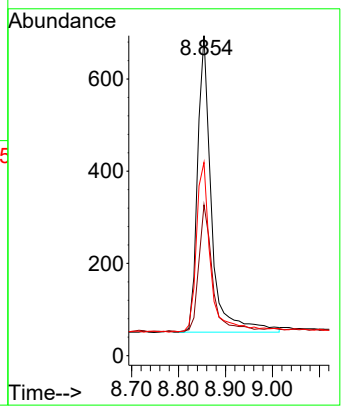


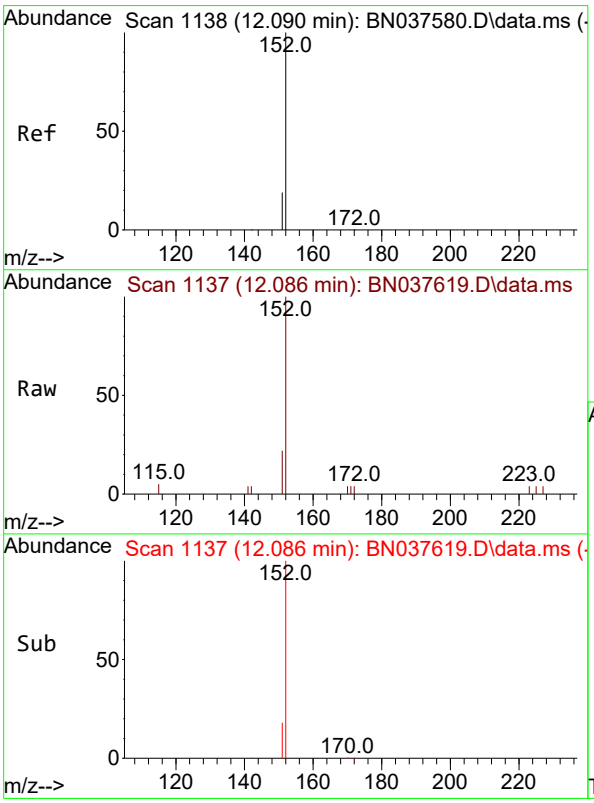
#8
Nitrobenzene-d5
Concen: 0.359 ng
RT: 8.854 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

Instrument :
BNA_N
ClientSampleId :
PB169286BL

Tgt Ion: 82 Resp: 1323

Ion	Ratio	Lower	Upper
82	100		
128	47.1	32.6	48.8
54	60.4	48.9	73.3

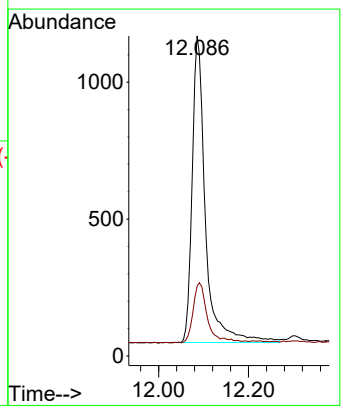


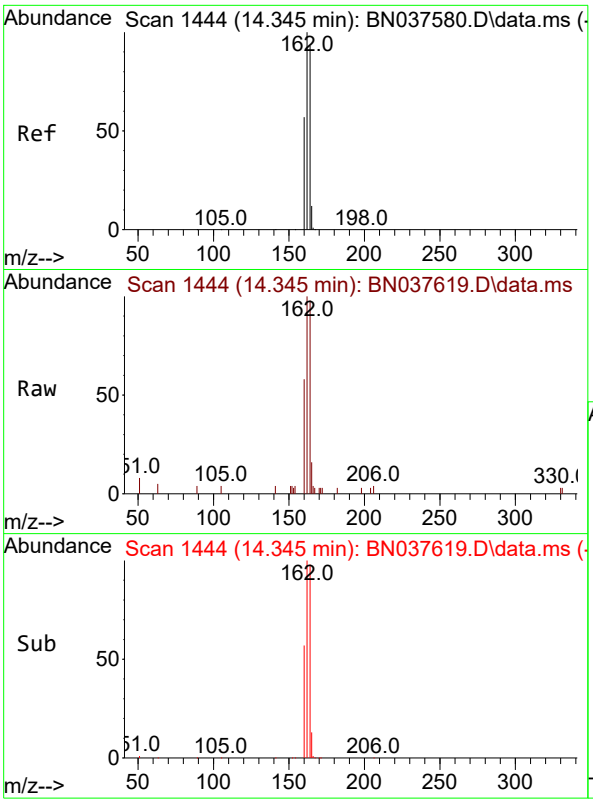


#11
2-Methylnaphthalene-d10
Concen: 0.323 ng
RT: 12.086 min Scan# 1137
Delta R.T. -0.005 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

Tgt Ion:152 Resp: 2298

Ion	Ratio	Lower	Upper
152	100		
151	21.3	17.3	25.9



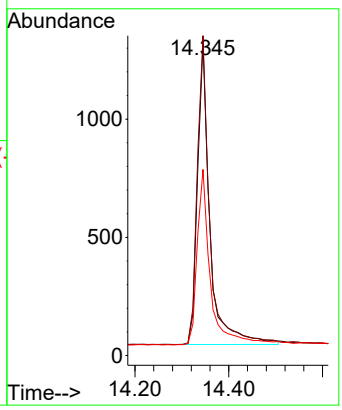


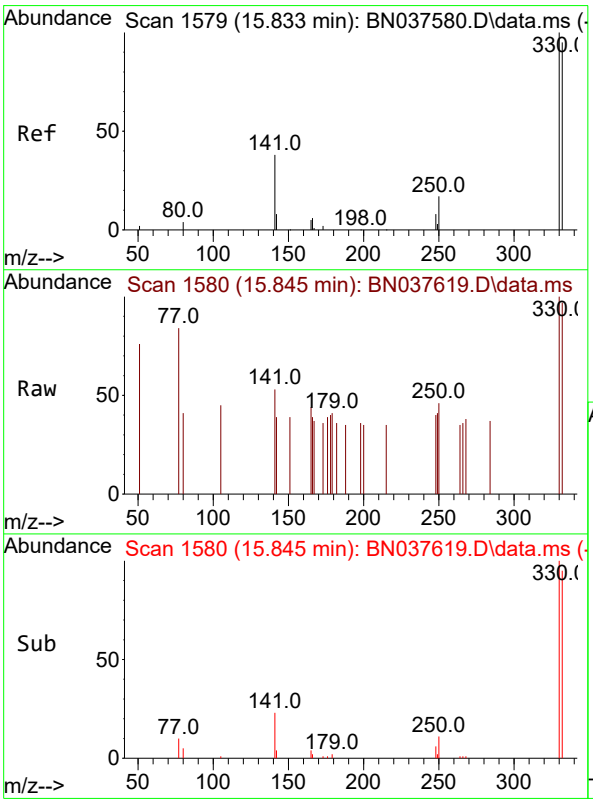
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.345 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

Instrument :
BNA_N
ClientSampleId :
PB169286BL

Tgt Ion:164 Resp: 2344

Ion	Ratio	Lower	Upper
164	100		
162	102.2	85.5	128.3
160	59.4	49.5	74.3

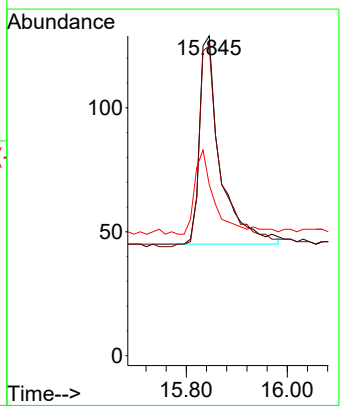


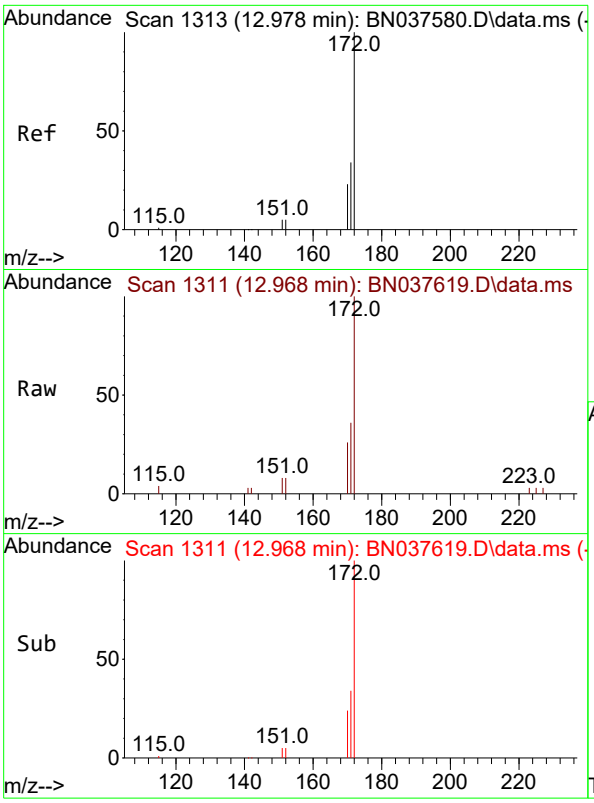


#14
2,4,6-Tribromophenol
Concen: 0.234 ng
RT: 15.845 min Scan# 1580
Delta R.T. 0.013 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

Tgt Ion:330 Resp: 240

Ion	Ratio	Lower	Upper
330	100		
332	101.3	77.4	116.0
141	40.0	30.9	46.3



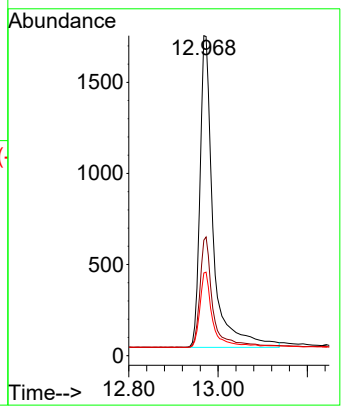


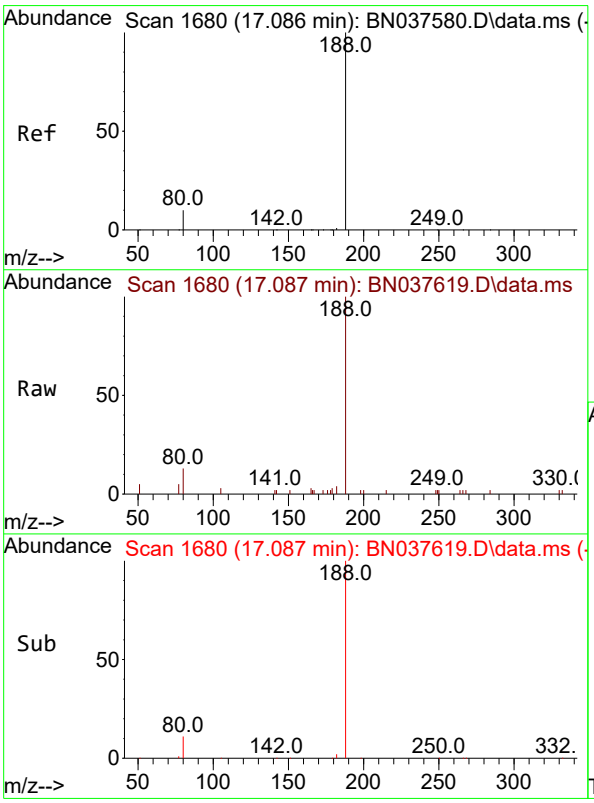
#15
2-Fluorobiphenyl
Concen: 0.346 ng
RT: 12.968 min Scan# 1
Delta R.T. -0.010 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

Instrument :
BNA_N
ClientSampleId :
PB169286BL

Tgt Ion:172 Resp: 4692

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.2	42.4
170	25.9	19.2	28.8

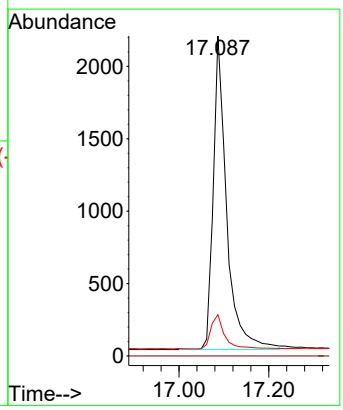


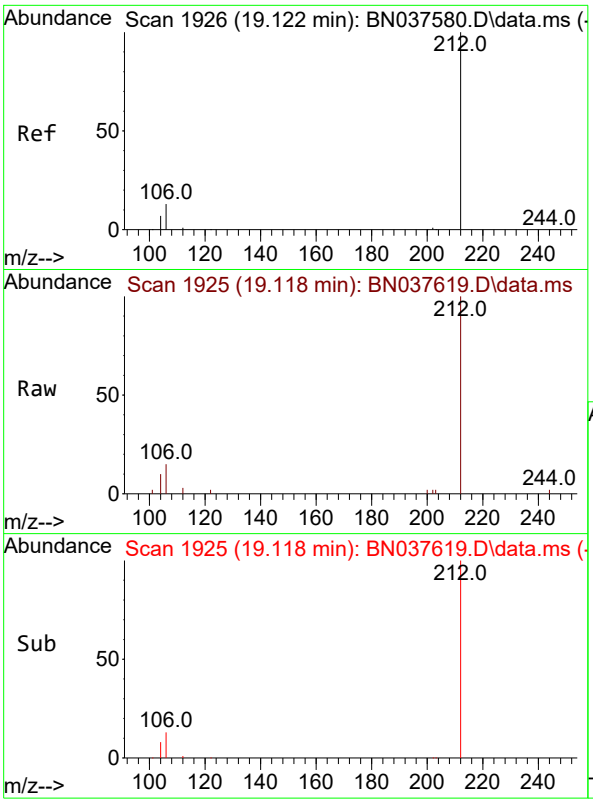


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 17.087 min Scan# 1680
Delta R.T. 0.000 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

Tgt Ion:188 Resp: 4466

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	12.9	9.1	13.7



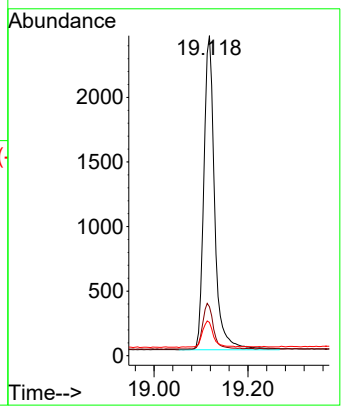


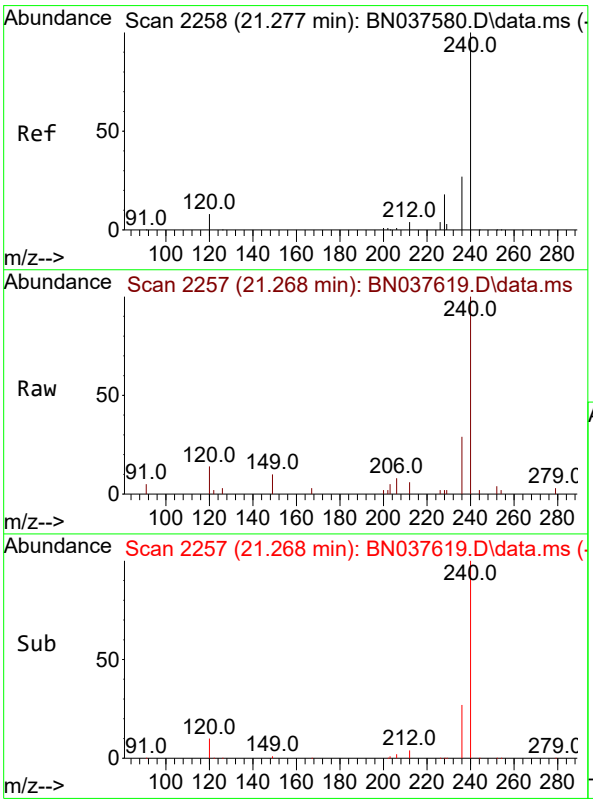
#27
Fluoranthene-d10
Concen: 0.331 ng
RT: 19.118 min Scan# 1
Delta R.T. -0.004 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

Instrument :
BNA_N
ClientSampleId :
PB169286BL

Tgt Ion:212 Resp: 3886

Ion	Ratio	Lower	Upper
212	100		
106	14.4	11.5	17.3
104	9.3	6.6	9.8

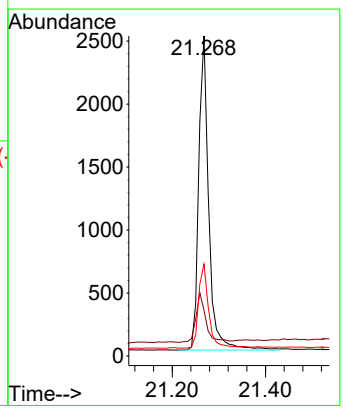


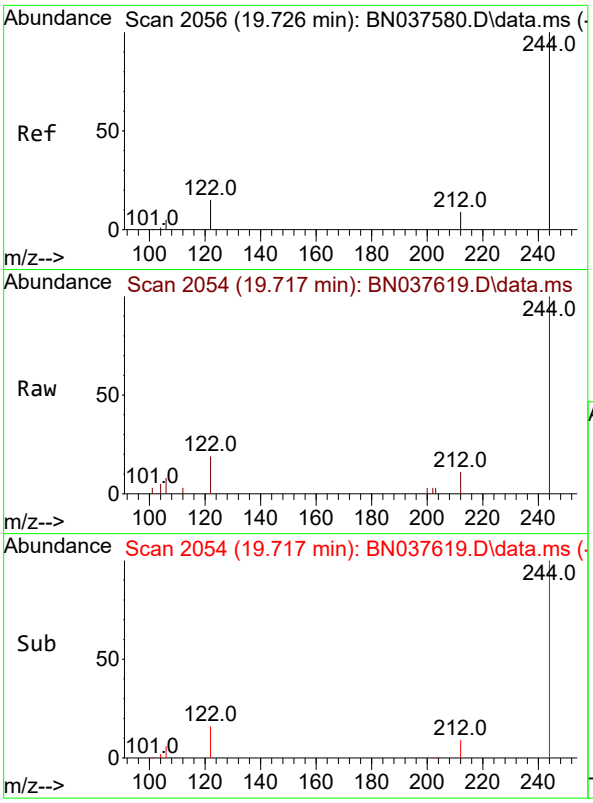


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.268 min Scan# 2257
Delta R.T. -0.009 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

Tgt Ion:240 Resp: 3733

Ion	Ratio	Lower	Upper
240	100		
120	14.2	8.9	13.3#
236	28.7	22.6	33.8



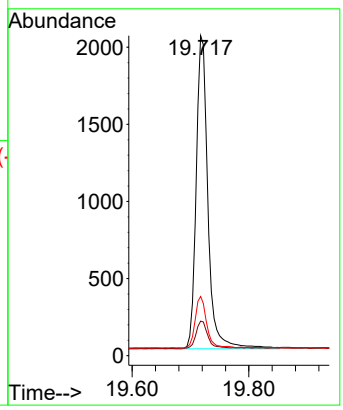


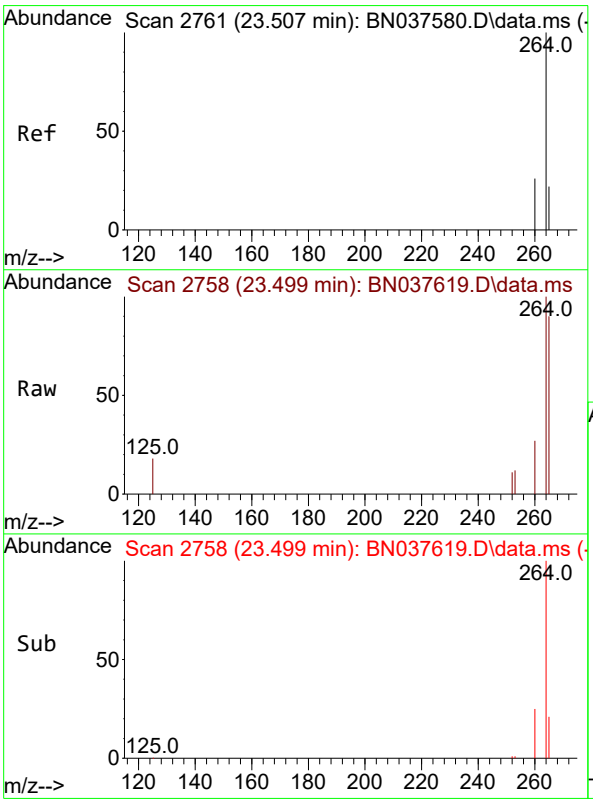
#31
Terphenyl-d14
Concen: 0.370 ng
RT: 19.717 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

Instrument :
BNA_N
ClientSampleId :
PB169286BL

Tgt Ion:244 Resp: 2840

Ion	Ratio	Lower	Upper
244	100		
212	10.8	8.2	12.2
122	18.5	13.2	19.8

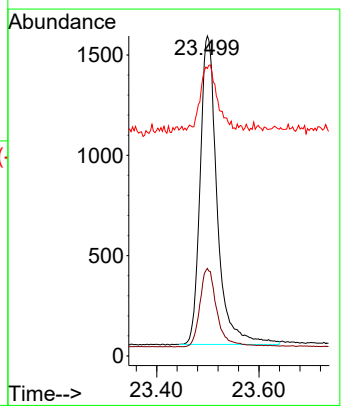




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.499 min Scan# 2758
Delta R.T. -0.008 min
Lab File: BN037619.D
Acq: 20 Aug 2025 04:50

Tgt Ion:264 Resp: 3552

Ion	Ratio	Lower	Upper
264	100		
260	27.3	21.6	32.4
265	89.8	48.2	72.4#



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037630.D
Acq On : 20 Aug 2025 11:25
Operator : RC/JU
Sample : PB169286BS
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB169286BS

Quant Time: Aug 21 04:13:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration

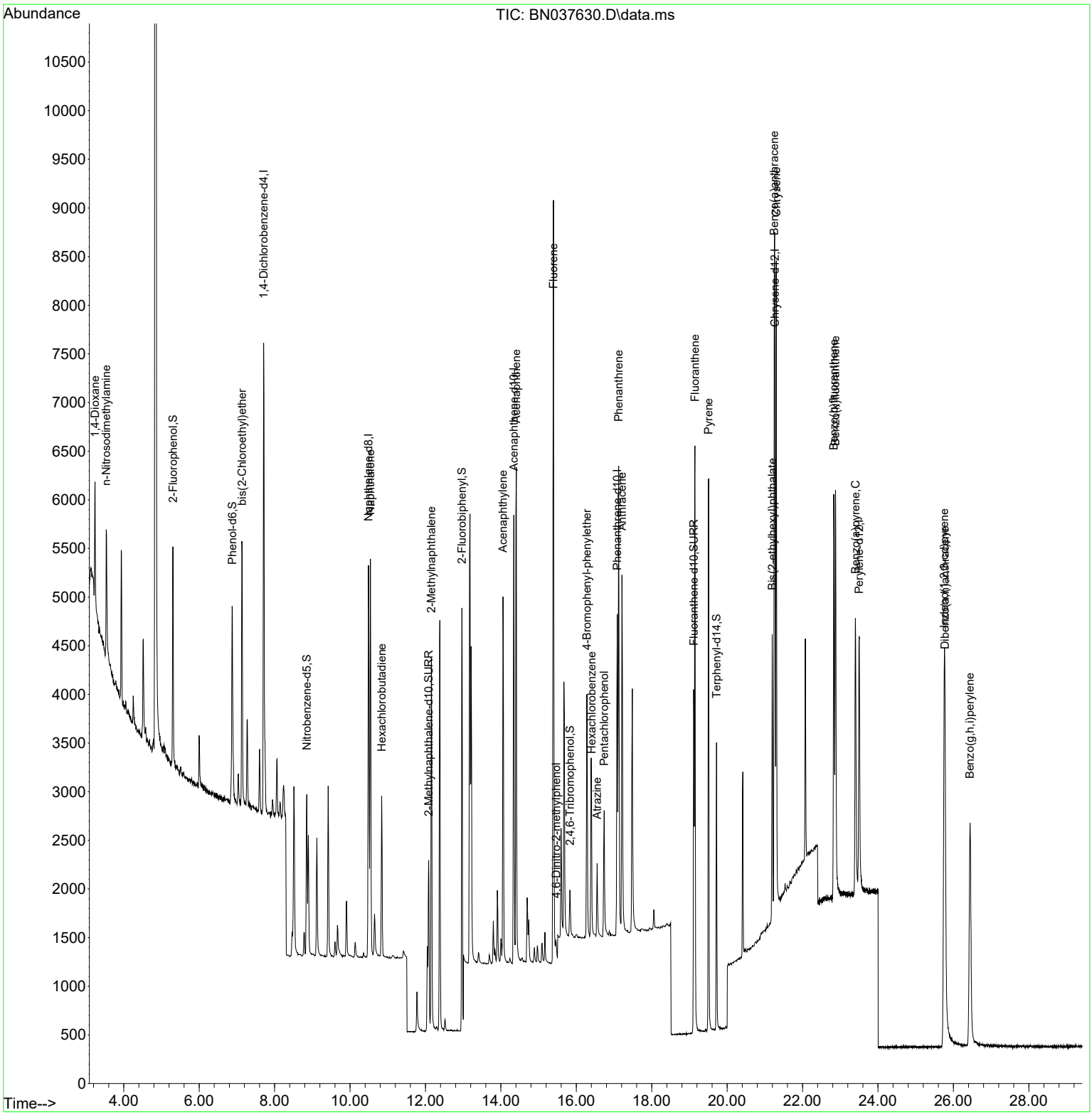
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.710	152	2389	0.400	ng	0.00
7) Naphthalene-d8	10.487	136	5616	0.400	ng	-0.01
13) Acenaphthene-d10	14.345	164	2629	0.400	ng	0.00
19) Phenanthrene-d10	17.086	188	5040	0.400	ng	0.00
29) Chrysene-d12	21.268	240	4175	0.400	ng	# 0.00
35) Perylene-d12	23.502	264	3780	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	1761	0.325	ng	0.00
5) Phenol-d6	6.879	99	1961	0.301	ng	0.00
8) Nitrobenzene-d5	8.854	82	1380	0.349	ng	0.00
11) 2-Methylnaphthalene-d10	12.085	152	2508	0.329	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	342	0.297	ng	0.00
15) 2-Fluorobiphenyl	12.968	172	5503	0.362	ng	-0.01
27) Fluoranthene-d10	19.113	212	4038	0.305	ng	0.00
31) Terphenyl-d14	19.717	244	3008	0.350	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.239	88	677	0.296	ng	# 78
3) n-Nitrosodimethylamine	3.535	42	966	0.331	ng	95
6) bis(2-Chloroethyl)ether	7.139	93	2041	0.347	ng	96
9) Naphthalene	10.541	128	5264	0.352	ng	99
10) Hexachlorobutadiene	10.840	225	1357	0.371	ng	# 99
12) 2-Methylnaphthalene	12.156	142	2891	0.308	ng	100
16) Acenaphthylene	14.056	152	4394	0.373	ng	100
17) Acenaphthene	14.409	154	2664	0.332	ng	99
18) Fluorene	15.392	166	3473	0.331	ng	99
20) 4,6-Dinitro-2-methylph...	15.467	198	153	0.348	ng	# 79
21) 4-Bromophenyl-phenylether	16.280	248	1063	0.336	ng	# 82
22) Hexachlorobenzene	16.404	284	1644	0.366	ng	98
23) Atrazine	16.553	200	688	0.384	ng	95
24) Pentachlorophenol	16.739	266	719	0.456	ng	96
25) Phenanthrene	17.124	178	5179	0.338	ng	99
26) Anthracene	17.210	178	4635	0.342	ng	100
28) Fluoranthene	19.146	202	5464	0.310	ng	100
30) Pyrene	19.508	202	5332	0.342	ng	100
32) Benzo(a)anthracene	21.250	228	4944	0.355	ng	98
33) Chrysene	21.304	228	5598	0.360	ng	99
34) Bis(2-ethylhexyl)phtha...	21.196	149	1867	0.324	ng	100
36) Indeno(1,2,3-cd)pyrene	25.756	276	5812	0.365	ng	99
37) Benzo(b)fluoranthene	22.829	252	5325	0.372	ng	97
38) Benzo(k)fluoranthene	22.873	252	5420	0.335	ng	97
39) Benzo(a)pyrene	23.402	252	4490	0.378	ng	95
40) Dibenzo(a,h)anthracene	25.776	278	4445	0.360	ng	100
41) Benzo(g,h,i)perylene	26.440	276	5149	0.395	ng	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037630.D
Acq On : 20 Aug 2025 11:25
Operator : RC/JU
Sample : PB169286BS
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB169286BS

Quant Time: Aug 21 04:13:47 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037605.D
Acq On : 19 Aug 2025 13:40
Operator : RC/JU
Sample : Q2842-04MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 20 01:25:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
MW-17B-55.5-081225MS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	2023	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	4765	0.400	ng	0.00
13) Acenaphthene-d10	14.345	164	2380	0.400	ng	0.00
19) Phenanthrene-d10	17.087	188	4922	0.400	ng	0.00
29) Chrysene-d12	21.268	240	4507	0.400	ng	# 0.00
35) Perylene-d12	23.505	264	3909	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.305	112	698	0.152	ng	0.00
5) Phenol-d6	6.879	99	508	0.092	ng	0.00
8) Nitrobenzene-d5	8.854	82	1111	0.331	ng	0.00
11) 2-Methylnaphthalene-d10	12.086	152	2001m	0.309	ng	0.00
14) 2,4,6-Tribromophenol	15.833	330	392	0.376	ng	0.00
15) 2-Fluorobiphenyl	12.973	172	4453	0.324	ng	0.00
27) Fluoranthene-d10	19.118	212	4870	0.376	ng	0.00
31) Terphenyl-d14	19.722	244	4344	0.468	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.239	88	5476	2.829	ng	# 90
3) n-Nitrosodimethylamine	3.536	42	418	0.169	ng	# 90
6) bis(2-Chloroethyl)ether	7.139	93	1634	0.329	ng	98
9) Naphthalene	10.541	128	4254	0.335	ng	98
10) Hexachlorobutadiene	10.840	225	924	0.298	ng	# 99
12) 2-Methylnaphthalene	12.162	142	2421	0.304	ng	99
16) Acenaphthylene	14.067	152	3870	0.363	ng	100
17) Acenaphthene	14.409	154	2473	0.341	ng	96
18) Fluorene	15.393	166	3340	0.352	ng	99
20) 4,6-Dinitro-2-methylph...	15.467	198	226	0.434	ng	88
21) 4-Bromophenyl-phenylether	16.280	248	1089	0.352	ng	# 75
22) Hexachlorobenzene	16.404	284	1490	0.340	ng	99
23) Atrazine	16.553	200	797	0.456	ng	95
24) Pentachlorophenol	16.739	266	1320	0.857	ng	99
25) Phenanthrene	17.124	178	6725	0.449	ng	100
26) Anthracene	17.211	178	5205	0.393	ng	100
28) Fluoranthene	19.146	202	7212	0.420	ng	100
30) Pyrene	19.508	202	6994	0.415	ng	100
32) Benzo(a)anthracene	21.259	228	6028	0.400	ng	99
33) Chrysene	21.304	228	6700	0.399	ng	99
34) Bis(2-ethylhexyl)phtha...	21.205	149	3417	0.550	ng	99
36) Indeno(1,2,3-cd)pyrene	25.759	276	6122	0.372	ng	99
37) Benzo(b)fluoranthene	22.832	252	6094	0.411	ng	99
38) Benzo(k)fluoranthene	22.876	252	6247	0.374	ng	98
39) Benzo(a)pyrene	23.405	252	5054	0.411	ng	99
40) Dibenzo(a,h)anthracene	25.779	278	4709	0.368	ng	99
41) Benzo(g,h,i)perylene	26.449	276	5269	0.391	ng	100

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

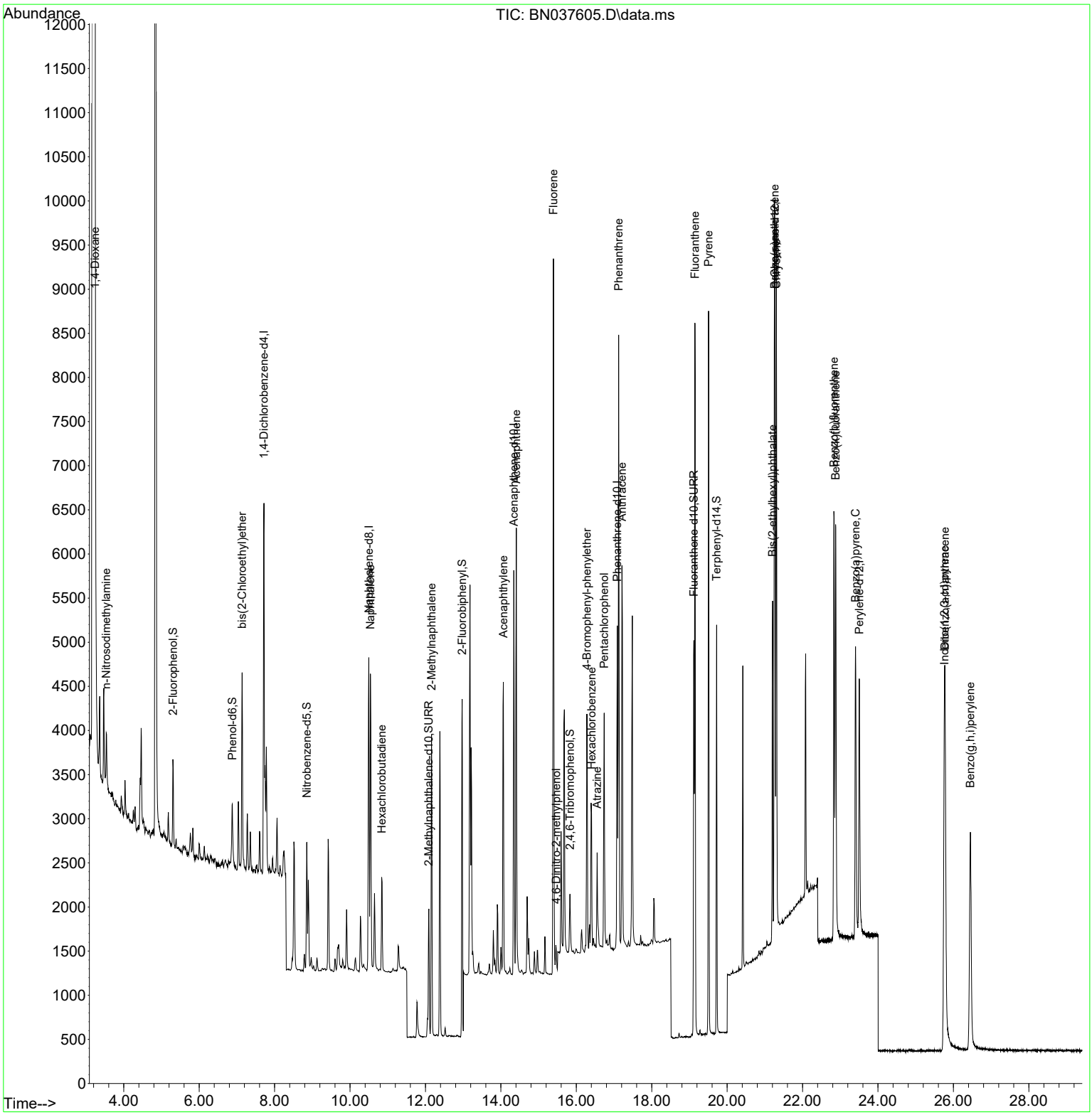
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037605.D
Acq On : 19 Aug 2025 13:40
Operator : RC/JU
Sample : Q2842-04MS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 20 01:25:45 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
MW-17B-55.5-081225MS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037606.D
Acq On : 19 Aug 2025 14:17
Operator : RC/JU
Sample : Q2842-05MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 20 01:26:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
MW-17B-55.5-081225MSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.717	152	2022	0.400	ng	0.00
7) Naphthalene-d8	10.498	136	4839	0.400	ng	0.00
13) Acenaphthene-d10	14.344	164	2406	0.400	ng	0.00
19) Phenanthrene-d10	17.086	188	5009	0.400	ng	0.00
29) Chrysene-d12	21.267	240	4561	0.400	ng	# 0.00
35) Perylene-d12	23.504	264	3935	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.304	112	713	0.156	ng	0.00
5) Phenol-d6	6.879	99	499	0.090	ng	0.00
8) Nitrobenzene-d5	8.853	82	1080	0.317	ng	0.00
11) 2-Methylnaphthalene-d10	12.090	152	1993m	0.303	ng	0.00
14) 2,4,6-Tribromophenol	15.832	330	401	0.381	ng	0.00
15) 2-Fluorobiphenyl	12.973	172	4509	0.324	ng	0.00
27) Fluoranthene-d10	19.117	212	4894	0.371	ng	0.00
31) Terphenyl-d14	19.721	244	4395	0.468	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.239	88	5537	2.862	ng	# 92
3) n-Nitrosodimethylamine	3.535	42	412	0.167	ng	# 94
6) bis(2-Chloroethyl)ether	7.139	93	1634	0.329	ng	97
9) Naphthalene	10.540	128	4289	0.333	ng	98
10) Hexachlorobutadiene	10.850	225	911	0.289	ng	# 99
12) 2-Methylnaphthalene	12.161	142	2410	0.298	ng	100
16) Acenaphthylene	14.066	152	3852	0.357	ng	100
17) Acenaphthene	14.408	154	2466	0.336	ng	98
18) Fluorene	15.392	166	3360	0.350	ng	99
20) 4,6-Dinitro-2-methylph...	15.467	198	237	0.441	ng	90
21) 4-Bromophenyl-phenylether	16.292	248	1112	0.353	ng	# 90
22) Hexachlorobenzene	16.403	284	1477	0.331	ng	98
23) Atrazine	16.552	200	799	0.449	ng	96
24) Pentachlorophenol	16.738	266	1294	0.826	ng	97
25) Phenanthrene	17.123	178	6750	0.443	ng	100
26) Anthracene	17.210	178	5136	0.381	ng	99
28) Fluoranthene	19.145	202	7312	0.418	ng	100
30) Pyrene	19.508	202	7072	0.415	ng	99
32) Benzo(a)anthracene	21.250	228	6132	0.402	ng	98
33) Chrysene	21.303	228	6692	0.394	ng	99
34) Bis(2-ethylhexyl)phtha...	21.205	149	3509	0.558	ng	99
36) Indeno(1,2,3-cd)pyrene	25.761	276	6228	0.376	ng	98
37) Benzo(b)fluoranthene	22.832	252	6261	0.420	ng	100
38) Benzo(k)fluoranthene	22.876	252	6279	0.373	ng	98
39) Benzo(a)pyrene	23.405	252	5127	0.415	ng	99
40) Dibenzo(a,h)anthracene	25.776	278	4745	0.369	ng	99
41) Benzo(g,h,i)perylene	26.445	276	5431	0.401	ng	99

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

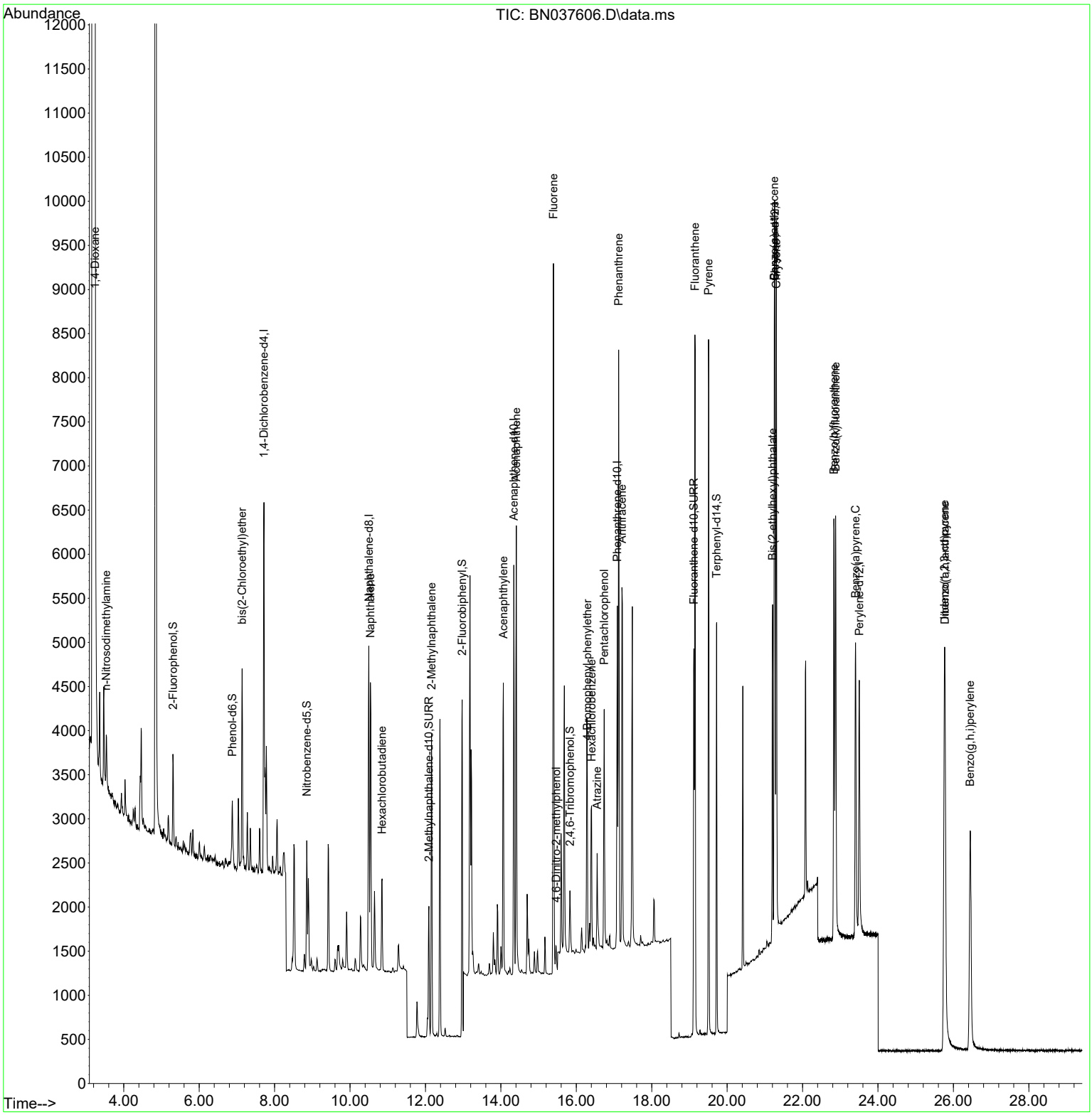
Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN081925\
Data File : BN037606.D
Acq On : 19 Aug 2025 14:17
Operator : RC/JU
Sample : Q2842-05MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 20 01:26:12 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN081225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Aug 13 05:00:58 2025
Response via : Initial Calibration

Instrument :
BNA_N
ClientSampleId :
MW-17B-55.5-081225MSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 08/20/2025
Supervised By :Jagrut Upadhyay 08/20/2025



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

Manual Integration Report

Sequence:	BN081225	Instrument	BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Manual Integration Report

Sequence:	bn081925	Instrument	BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q2842-04MS	BN037605.D	2-Methylnaphthalene-d10	Rahul	8/20/2025 8:37:55 AM	Jagrut	8/20/2025 2:31:08 PM	Peak Integrated by Software
Q2842-05MSD	BN037606.D	2-Methylnaphthalene-d10	Rahul	8/20/2025 8:37:59 AM	Jagrut	8/20/2025 2:31:11 PM	Peak Integrated by Software

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

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN081225

Review By	Rahul	Review On	8/13/2025 11:25:23 AM		
Supervise By	Jagrut	Supervise On	8/13/2025 11:26:50 AM		
SubDirectory	BN081225	HP Acquire Method	BNA_N, 8270_SIM	HP Processing Method	bn081225

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848
CCC	SP6846
Internal Standard/PEM	SP6830,1ul/100ul sample
ICV/I.BLK	SP6854
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN037576.D	12 Aug 2025 15:05	RC/JU	Ok
2	SSTDCCC0.4	BN037577.D	12 Aug 2025 15:49	RC/JU	Not Ok
3	SSTDICC0.1	BN037578.D	12 Aug 2025 16:26	RC/JU	Ok
4	SSTDICC0.2	BN037579.D	12 Aug 2025 17:03	RC/JU	Ok
5	SSTDICCC0.4	BN037580.D	12 Aug 2025 17:39	RC/JU	Ok
6	SSTDICC0.8	BN037581.D	12 Aug 2025 18:16	RC/JU	Ok
7	SSTDICC1.6	BN037582.D	12 Aug 2025 18:52	RC/JU	Ok
8	SSTDICC3.2	BN037583.D	12 Aug 2025 19:29	RC/JU	Ok
9	SSTDICC5.0	BN037584.D	12 Aug 2025 20:05	RC/JU	Ok
10	SSTDICV0.4	BN037585.D	12 Aug 2025 20:42	RC/JU	Ok
11	PB169094BL	BN037586.D	12 Aug 2025 21:55	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN081925

Review By	Rahul	Review On	8/21/2025 3:02:23 PM		
Supervise By	Jagrut	Supervise On	8/21/2025 5:56:51 PM		
SubDirectory	BN081925	HP Acquire Method	BNA_N, 8270_SIM	HP Processing Method	bn081225

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848
CCC	SP6846
Internal Standard/PEM	SP6830,1ul/100ul sample
ICV/I.BLK	SP6854
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN037599.D	19 Aug 2025 10:00	RC/JU	Ok
2	SSTDCCC0.4	BN037600.D	19 Aug 2025 10:39	RC/JU	Ok
3	PB169286BL	BN037601.D	19 Aug 2025 11:16	RC/JU	Not Ok
4	Q2842-01	BN037602.D	19 Aug 2025 11:52	RC/JU	Dilution
5	Q2842-02	BN037603.D	19 Aug 2025 12:28	RC/JU	Dilution
6	Q2842-03	BN037604.D	19 Aug 2025 13:04	RC/JU	Ok
7	Q2842-04MS	BN037605.D	19 Aug 2025 13:40	RC/JU	Ok,M
8	Q2842-05MSD	BN037606.D	19 Aug 2025 14:17	RC/JU	Ok,M
9	Q2842-06	BN037607.D	19 Aug 2025 14:53	RC/JU	Ok
10	Q2869-01	BN037608.D	19 Aug 2025 15:29	RC/JU	Dilution
11	Q2869-03	BN037609.D	19 Aug 2025 16:05	RC/JU	Ok
12	Q2869-04	BN037610.D	19 Aug 2025 16:42	RC/JU	Ok
13	Q2869-05	BN037611.D	19 Aug 2025 17:18	RC/JU	Ok
14	Q2869-07	BN037612.D	19 Aug 2025 17:54	RC/JU	Ok
15	Q2869-10	BN037613.D	19 Aug 2025 18:30	RC/JU	Ok
16	Q2878-01	BN037614.D	19 Aug 2025 19:07	RC/JU	Ok
17	Q2878-05	BN037615.D	19 Aug 2025 19:43	RC/JU	Dilution
18	SSTDCCC0.4	BN037616.D	19 Aug 2025 20:19	RC/JU	Ok
19	DFTPP	BN037617.D	20 Aug 2025 03:35	RC/JU	Ok
20	SSTDCCC0.4	BN037618.D	20 Aug 2025 04:14	RC/JU	Ok
21	PB169286BL	BN037619.D	20 Aug 2025 04:50	RC/JU	Ok

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Fax : 908 789 8922

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN081925

Review By	Rahul	Review On	8/21/2025 3:02:23 PM		
Supervise By	Jagrut	Supervise On	8/21/2025 5:56:51 PM		
SubDirectory	BN081925	HP Acquire Method	BNA_N, 8270_SIM	HP Processing Method	bn081225

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848
CCC	SP6846
Internal Standard/PEM	SP6830,1ul/100ul sample
ICV/I.BLK	SP6854
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2842-01DL	BN037620.D	20 Aug 2025 05:27	RC/JU	Ok
23	Q2842-02DL	BN037621.D	20 Aug 2025 06:03	RC/JU	Ok
24	Q2869-01DL	BN037622.D	20 Aug 2025 06:38	RC/JU	Ok
25	Q2881-01	BN037623.D	20 Aug 2025 07:13	RC/JU	Ok
26	Q2881-02	BN037624.D	20 Aug 2025 07:49	RC/JU	Ok
27	Q2882-01	BN037625.D	20 Aug 2025 08:25	RC/JU	Ok
28	Q2882-02	BN037626.D	20 Aug 2025 09:00	RC/JU	Ok
29	Q2882-03	BN037627.D	20 Aug 2025 09:37	RC/JU	Ok
30	Q2882-04	BN037628.D	20 Aug 2025 10:13	RC/JU	Ok
31	Q2878-05DL	BN037629.D	20 Aug 2025 10:49	RC/JU	Ok
32	PB169286BS	BN037630.D	20 Aug 2025 11:25	RC/JU	Ok
33	SSTDCCC0.4	BN037631.D	20 Aug 2025 14:56	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN081225

Review By	Rahul	Review On	8/13/2025 11:25:23 AM	
Supervise By	Jagrut	Supervise On	8/13/2025 11:26:50 AM	
SubDirectory	BN081225	HP Acquire Method	BNA_N, 8270_HP Processing Method	bn081225

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848
CCC	SP6846
Internal Standard/PEM	SP6830,1ul/100ul sample
ICV/I.BLK	SP6854
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN037576.D	12 Aug 2025 15:05		RC/JU	Ok
2	SSTDCCC0.4	SSTDCCC0.4	BN037577.D	12 Aug 2025 15:49	A Fresh Calibration is required	RC/JU	Not Ok
3	SSTDICC0.1	SSTDICC0.1	BN037578.D	12 Aug 2025 16:26		RC/JU	Ok
4	SSTDICC0.2	SSTDICC0.2	BN037579.D	12 Aug 2025 17:03		RC/JU	Ok
5	SSTDICCC0.4	SSTDICCC0.4	BN037580.D	12 Aug 2025 17:39	Compound #20 kept on LR	RC/JU	Ok
6	SSTDICC0.8	SSTDICC0.8	BN037581.D	12 Aug 2025 18:16		RC/JU	Ok
7	SSTDICC1.6	SSTDICC1.6	BN037582.D	12 Aug 2025 18:52		RC/JU	Ok
8	SSTDICC3.2	SSTDICC3.2	BN037583.D	12 Aug 2025 19:29		RC/JU	Ok
9	SSTDICC5.0	SSTDICC5.0	BN037584.D	12 Aug 2025 20:05	Comp #20,23,24 removed from 5ppm	RC/JU	Ok
10	SSTDICV0.4	ICVBN081225	BN037585.D	12 Aug 2025 20:42		RC/JU	Ok
11	PB169094BL	PB169094BL	BN037586.D	12 Aug 2025 21:55		RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN081925

Review By	Rahul	Review On	8/21/2025 3:02:23 PM	
Supervise By	Jagrut	Supervise On	8/21/2025 5:56:51 PM	
SubDirectory	BN081925	HP Acquire Method	BNA_N, 8270_HP Processing Method	bn081225

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848
CCC	SP6846
Internal Standard/PEM	SP6830,1ul/100ul sample
ICV/I.BLK	SP6854
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN037599.D	19 Aug 2025 10:00		RC/JU	Ok
2	SSTDCCC0.4	SSTDCCC0.4	BN037600.D	19 Aug 2025 10:39		RC/JU	Ok
3	PB169286BL	PB169286BL	BN037601.D	19 Aug 2025 11:16	Not Used	RC/JU	Not Ok
4	Q2842-01	RMW-03B-90.4-081225	BN037602.D	19 Aug 2025 11:52	Need 2X.	RC/JU	Dilution
5	Q2842-02	RMW-02B-66.3-081225	BN037603.D	19 Aug 2025 12:28	Need 10X.	RC/JU	Dilution
6	Q2842-03	MW-17B-55.5-081225	BN037604.D	19 Aug 2025 13:04		RC/JU	Ok
7	Q2842-04MS	MW-17B-55.5-081225M	BN037605.D	19 Aug 2025 13:40	Recovery fail very high , need noncon.	RC/JU	Ok,M
8	Q2842-05MSD	MW-17B-55.5-081225M	BN037606.D	19 Aug 2025 14:17	Recovery fail very high , need noncon.	RC/JU	Ok,M
9	Q2842-06	MW-06-6.5-081225	BN037607.D	19 Aug 2025 14:53		RC/JU	Ok
10	Q2869-01	MW-19B-71.5-081325	BN037608.D	19 Aug 2025 15:29	Need 2X.	RC/JU	Dilution
11	Q2869-03	MW-01-6.5-081325	BN037609.D	19 Aug 2025 16:05		RC/JU	Ok
12	Q2869-04	MW-11A-13.5-081325	BN037610.D	19 Aug 2025 16:42		RC/JU	Ok
13	Q2869-05	MW-19B-71.5-081325-I	BN037611.D	19 Aug 2025 17:18		RC/JU	Ok
14	Q2869-07	EB01-081325	BN037612.D	19 Aug 2025 17:54		RC/JU	Ok
15	Q2869-10	EB02-081325	BN037613.D	19 Aug 2025 18:30		RC/JU	Ok
16	Q2878-01	MW-18B-57.5-081325	BN037614.D	19 Aug 2025 19:07		RC/JU	Ok
17	Q2878-05	MW-11A-37.5-081425	BN037615.D	19 Aug 2025 19:43	Need 20X.	RC/JU	Dilution

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Fax : 908 789 8922

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN081925

Review By	Rahul	Review On	8/21/2025 3:02:23 PM	
Supervise By	Jagrut	Supervise On	8/21/2025 5:56:51 PM	
SubDirectory	BN081925	HP Acquire Method	BNA_N, 8270_HP Processing Method	bn081225

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6842,SP6843,SP6844,SP6845,SP6846,SP6847,SP6848
CCC	SP6846
Internal Standard/PEM	SP6830,1ul/100ul sample
ICV/I.BLK	SP6854
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	SSTDCCC0.4	SSTDCCC0.4EC	BN037616.D	19 Aug 2025 20:19		RC/JU	Ok
19	DFTPP	DFTPP	BN037617.D	20 Aug 2025 03:35		RC/JU	Ok
20	SSTDCCC0.4	SSTDCCC0.4	BN037618.D	20 Aug 2025 04:14		RC/JU	Ok
21	PB169286BL	PB169286BL	BN037619.D	20 Aug 2025 04:50		RC/JU	Ok
22	Q2842-01DL	RMW-03B-90.4-081225	BN037620.D	20 Aug 2025 05:27		RC/JU	Ok
23	Q2842-02DL	RMW-02B-66.3-081225	BN037621.D	20 Aug 2025 06:03		RC/JU	Ok
24	Q2869-01DL	MW-19B-71.5-081325D	BN037622.D	20 Aug 2025 06:38		RC/JU	Ok
25	Q2881-01	RW8-SP100-20250814	BN037623.D	20 Aug 2025 07:13		RC/JU	Ok
26	Q2881-02	RW8-SP303-20250814	BN037624.D	20 Aug 2025 07:49		RC/JU	Ok
27	Q2882-01	RW7-SP100-20250814	BN037625.D	20 Aug 2025 08:25		RC/JU	Ok
28	Q2882-02	RW7-SP201-20250814	BN037626.D	20 Aug 2025 09:00		RC/JU	Ok
29	Q2882-03	RW7-SP302-20250814	BN037627.D	20 Aug 2025 09:37		RC/JU	Ok
30	Q2882-04	RW7-SP303-20250814	BN037628.D	20 Aug 2025 10:13		RC/JU	Ok
31	Q2878-05DL	MW-11A-37.5-081425D	BN037629.D	20 Aug 2025 10:49		RC/JU	Ok
32	PB169286BS	PB169286BS	BN037630.D	20 Aug 2025 11:25		RC/JU	Ok
33	SSTDCCC0.4	SSTDCCC0.4EC	BN037631.D	20 Aug 2025 14:56		RC/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB169286

SOP ID:	M3510C,3580A-Extraction SVOC-21				
Clean Up SOP #:	N/A			**Extraction Start Date :**	08/18/2025
Matrix :	Water			**Extraction Start Time :**	08:41
Weigh By:	N/A	**Extraction By:**	RS	**Extraction End Date :**	08/18/2025
Balance check:	N/A	**Filter By:**	RJ	**Extraction End Time :**	13:45
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3953	**Hood ID:**	4,5,6,7	**Supervisor By :**	RUPESH

Extraction Method: [√] Seperatory Funnel [ ] Continious Liquid/Liquid [ ] Sonication [ ] Waste Dilution [ ] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	0.4 PPM	SP6855
Surrogate	1.0ML	0.4 PPM	SP6831
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3964
Baked Na2SO4	N/A	EP2632
10N NaoH	N/A	EP2609
H2SO4 1:1	N/A	EP2610
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210443. pH Adjusted<2 with 1:1 H2SO4 &>11 with 10 N NaOH.

KD Bath ID:	WATER BATH-1,2	**Envap ID:**	NEVAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
8/18/25	RS (Ext lab)	RC/SVOC
13:50	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB169286

Analytical Method: M3510C,3580A-Extraction SVOC-21 **Concentration Date:** 08/18/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169286BL	SBLK286	SVOC-SIMGroup1	1000	6	RUPESH	ritesh	1			SEP-1
PB169286BS	SLCS286	SVOC-SIMGroup1	1000	6	RUPESH	ritesh	1			2
Q2842-01	RMW-03B-90.4-08122025	SVOC-SIMGroup1	910	6	RUPESH	ritesh	1	E		3
Q2842-02	RMW-02B-66.3-08122025	SVOC-SIMGroup1	970	6	RUPESH	ritesh	1	E		4
Q2842-03	MW-17B-55.5-08122025	SVOC-SIMGroup1	980	6	RUPESH	ritesh	1	H		5
Q2842-04	Q2842-03MS	SVOC-SIMGroup1	940	6	RUPESH	ritesh	1	H		6
Q2842-05	Q2842-03MSD	SVOC-SIMGroup1	960	6	RUPESH	ritesh	1	H		7
Q2842-06	MW-06-6.5-08122025	SVOC-SIMGroup1	970	6	RUPESH	ritesh	1	B		8
Q2869-01	MW-19B-71.5-081325	SVOC-SIMGroup1	930	6	RUPESH	ritesh	1	G		9
Q2869-03	MW-01-6.5-081325	SVOC-SIMGroup1	900	6	RUPESH	ritesh	1	C		10
Q2869-04	MW-11A-13.5-081325	SVOC-SIMGroup1	960	6	RUPESH	ritesh	1	C		11
Q2869-05	MW-19B-71.5-081325-FD	SVOC-SIMGroup1	960	6	RUPESH	ritesh	1	G		12
Q2869-07	EB01-081325	SVOC-SIMGroup1	940	6	RUPESH	ritesh	1	G		13
Q2869-10	EB02-081325	SVOC-SIMGroup1	1000	6	RUPESH	ritesh	1	C		14
Q2878-01	MW-18B-57.5-081325	SVOC-SIMGroup1	900	6	RUPESH	ritesh	1	C		15
Q2878-05	MW-11A-37.5-081425	SVOC-SIMGroup1	950	6	RUPESH	ritesh	1	C		16
Q2881-01	RW8-SP100-2025814	SVOC-SIMGroup1	1000	6	RUPESH	ritesh	1	D		SEP-1
Q2881-02	RW8-SP303-20250814	SVOC-SIMGroup1	1000	6	RUPESH	ritesh	1	D		2
Q2882-01	RW7-SP100-20250814	SVOC-SIMGroup1	1000	6	RUPESH	ritesh	1			3
Q2882-02	RW7-SP201-20250814	SVOC-SIMGroup1	1000	6	RUPESH	ritesh	1			4
Q2882-03	RW7-SP302-20250814	SVOC-SIMGroup1	910	6	RUPESH	ritesh	1			5
Q2882-04	RW7-SP303-20250814	SVOC-SIMGroup1	940	6	RUPESH	ritesh	1			6

RS 8/18

* **Extracts relinquished on the same date as received.**

Q2842 8:51

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2842 **WorkList ID :** 191325 **Department :** Extraction **Date :** 08-18-2025 08:35:56

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2842-01	RMW-03B-90.4-081225	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	J32	08/12/2025	8270-Modified
Q2842-02	RMW-02B-66.3-081225	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	J32	08/12/2025	8270-Modified
Q2842-03	MW-17B-55.5-081225	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	J32	08/12/2025	8270-Modified
Q2842-04	Q2842-03MS	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	J32	08/12/2025	8270-Modified
Q2842-05	Q2842-03MSD	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	J32	08/12/2025	8270-Modified
Q2842-06	MW-06-6.5-081225	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	J32	08/12/2025	8270-Modified
Q2869-01	MW-19B-71.5-081325	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	J31	08/13/2025	8270-Modified
Q2869-03	MW-01-6.5-081325	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	J31	08/13/2025	8270-Modified
Q2869-04	MW-11A-13.5-081325	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	J31	08/13/2025	8270-Modified
Q2869-05	MW-19B-71.5-081325-FD	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	J31	08/13/2025	8270-Modified
Q2869-07	EB01-081325	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	J31	08/13/2025	8270-Modified
Q2869-10	EB02-081325	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	J31	08/13/2025	8270-Modified
Q2878-01	MW-18B-57.5-081325	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	D31	08/14/2025	8270-Modified
Q2878-05	MW-11A-37.5-081425	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	D31	08/14/2025	8270-Modified
Q2881-01	RW8-SP100-2025814	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	J32	08/14/2025	8270-Modified
Q2881-02	RW8-SP303-20250814	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	J32	08/14/2025	8270-Modified
Q2882-01	RW7-SP100-20250814	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	J31	08/14/2025	8270-Modified
Q2882-02	RW7-SP201-20250814	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	J31	08/14/2025	8270-Modified
Q2882-03	RW7-SP302-20250814	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	J31	08/14/2025	8270-Modified
Q2882-04	RW7-SP303-20250814	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	J31	08/14/2025	8270-Modified

Date/Time 8/18/25 8:36
Raw Sample Received by: RS (Ext-Lab)
Raw Sample Relinquished by: SM

Date/Time 8/18/25 9:10
Raw Sample Received by: SM
Raw Sample Relinquished by: RS (Ext-Lab)

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LAB CHRONICLE

OrderID:	Q2842	**OrderDate:**	8/13/2025 8:34:00 AM
Client:	JACOBS Engineering Group, Inc.	**Project:**	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	**Location:**	J23,J32,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2842-01	**RMW-03B-90.4-081225**	**Water**			**08/12/25**			**08/12/25**
			SVOC-SIMGroup1	8270-Modified		08/18/25	08/19/25	
Q2842-01DL	**RMW-03B-90.4-081225DL**	**Water**			**08/12/25**			**08/12/25**
			SVOC-SIMGroup1	8270-Modified		08/18/25	08/20/25	
Q2842-02	**RMW-02B-66.3-081225**	**Water**			**08/12/25**			**08/12/25**
			SVOC-SIMGroup1	8270-Modified		08/18/25	08/19/25	
Q2842-02DL	**RMW-02B-66.3-081225DL**	**Water**			**08/12/25**			**08/12/25**
			SVOC-SIMGroup1	8270-Modified		08/18/25	08/20/25	
Q2842-03	**MW-17B-55.5-081225**	**Water**			**08/12/25**			**08/12/25**
			SVOC-SIMGroup1	8270-Modified		08/18/25	08/19/25	
Q2842-06	**MW-06-6.5-081225**	**Water**			**08/12/25**			**08/12/25**
			SVOC-SIMGroup1	8270-Modified		08/18/25	08/19/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2842 **Order ID:** Q2842

Client: JACOBS Engineering Group, Inc. **Project ID:** Former Schlumberger STC PTC Site D386

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : MW-17B-55.5-081225								
Q2842-03	MW-17B-55.5-081225	Water	Aluminum	31.8		1.94	20.0	ug/L
Q2842-03	MW-17B-55.5-081225	Water	Antimony	0.22	J	0.11	2.00	ug/L
Q2842-03	MW-17B-55.5-081225	Water	Arsenic	0.63	J	0.089	1.00	ug/L
Q2842-03	MW-17B-55.5-081225	Water	Barium	448		0.21	10.0	ug/L
Q2842-03	MW-17B-55.5-081225	Water	Calcium	29600		45.7	500	ug/L
Q2842-03	MW-17B-55.5-081225	Water	Cobalt	8.23		0.070	1.00	ug/L
Q2842-03	MW-17B-55.5-081225	Water	Iron	7590		7.81	50.0	ug/L
Q2842-03	MW-17B-55.5-081225	Water	Lead	0.61	J	0.21	1.00	ug/L
Q2842-03	MW-17B-55.5-081225	Water	Magnesium	9260		19.5	500	ug/L
Q2842-03	MW-17B-55.5-081225	Water	Manganese	618		0.43	1.00	ug/L
Q2842-03	MW-17B-55.5-081225	Water	Nickel	11.3		0.27	1.00	ug/L
Q2842-03	MW-17B-55.5-081225	Water	Potassium	7950		36.4	500	ug/L
Q2842-03	MW-17B-55.5-081225	Water	Sodium	6170		128	500	ug/L
Q2842-03	MW-17B-55.5-081225	Water	Thallium	0.21	J	0.060	1.00	ug/L
Q2842-03	MW-17B-55.5-081225	Water	Vanadium	0.29	J	0.077	5.00	ug/L
Q2842-03	MW-17B-55.5-081225	Water	Zinc	3.08	J	1.25	5.00	ug/L
Client ID : MW-17B-55.5-081225								
Q2842-09	MW-17B-55.5-081225	Water	Iron	7020		7.81	50.0	ug/L

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/12/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/12/25
Client Sample ID:	MW-17B-55.5-081225	SDG No.:	Q2842
Lab Sample ID:	Q2842-03	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7429-90-5	Aluminum	31.8		1	1.94	20.0	ug/L	08/14/25 14:10	08/15/25 15:00	6020B	3010A
7440-36-0	Antimony	0.22	J	1	0.11	2.00	ug/L	08/14/25 14:10	08/15/25 15:00	6020B	3010A
7440-38-2	Arsenic	0.63	J	1	0.089	1.00	ug/L	08/14/25 14:10	08/15/25 15:00	6020B	3010A
7440-39-3	Barium	448		1	0.21	10.0	ug/L	08/14/25 14:10	08/15/25 15:00	6020B	3010A
7440-41-7	Beryllium	0.32	U	1	0.32	1.00	ug/L	08/14/25 14:10	08/15/25 15:00	6020B	3010A
7440-43-9	Cadmium	0.34	U	1	0.34	1.00	ug/L	08/14/25 14:10	08/15/25 15:00	6020B	3010A
7440-70-2	Calcium	29600		1	45.7	500	ug/L	08/14/25 14:10	08/15/25 15:00	6020B	3010A
7440-47-3	Chromium	0.21	U	1	0.21	2.00	ug/L	08/14/25 14:10	08/15/25 15:00	6020B	3010A
7440-48-4	Cobalt	8.23		1	0.070	1.00	ug/L	08/14/25 14:10	08/15/25 15:00	6020B	3010A
7440-50-8	Copper	0.30	U	1	0.30	2.00	ug/L	08/14/25 14:10	08/15/25 15:00	6020B	3010A
7439-89-6	Iron	7590		1	7.81	50.0	ug/L	08/14/25 14:10	08/15/25 15:00	6020B	3010A
7439-92-1	Lead	0.61	J	1	0.21	1.00	ug/L	08/14/25 14:10	08/15/25 15:00	6020B	3010A
7439-95-4	Magnesium	9260		1	19.5	500	ug/L	08/14/25 14:10	08/15/25 15:00	6020B	3010A
7439-96-5	Manganese	618		1	0.43	1.00	ug/L	08/14/25 14:10	08/15/25 15:00	6020B	3010A
7439-97-6	Mercury	0.076	U	1	0.076	0.20	ug/L	08/14/25 10:30	08/15/25 12:43	7470A	
7440-02-0	Nickel	11.3		1	0.27	1.00	ug/L	08/14/25 14:10	08/15/25 15:00	6020B	3010A
7440-09-7	Potassium	7950		1	36.4	500	ug/L	08/14/25 14:10	08/15/25 15:00	6020B	3010A
7782-49-2	Selenium	2.90	U	1	2.90	5.00	ug/L	08/14/25 14:10	08/15/25 15:00	6020B	3010A
7440-22-4	Silver	0.060	UN	1	0.060	1.00	ug/L	08/14/25 14:10	08/15/25 15:00	6020B	3010A
7440-23-5	Sodium	6170		1	128	500	ug/L	08/14/25 14:10	08/15/25 15:00	6020B	3010A
7440-28-0	Thallium	0.21	J	1	0.060	1.00	ug/L	08/14/25 14:10	08/15/25 15:00	6020B	3010A
7440-62-2	Vanadium	0.29	J	1	0.077	5.00	ug/L	08/14/25 14:10	08/15/25 15:00	6020B	3010A
7440-66-6	Zinc	3.08	J	1	1.25	5.00	ug/L	08/14/25 14:10	08/15/25 15:00	6020B	3010A

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	METALS-TAL				

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/12/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/12/25
Client Sample ID:	MW-17B-55.5-081225	SDG No.:	Q2842
Lab Sample ID:	Q2842-09	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7439-89-6	Iron	7020		1	7.81	50.0	ug/L	08/14/25 14:10	08/15/25 15:18	6020B	3010A

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	

Comments: Dissolved Metals Group3

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

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB18	Mercury	0.076	+/-0.2	U	0.20	CV	08/15/2025	11:45	LB136836

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB54	Mercury	0.076	+/-0.2	U	0.20	CV	08/15/2025	12:13	LB136836
CCB55	Mercury	0.076	+/-0.2	U	0.20	CV	08/15/2025	12:41	LB136836
CCB56	Mercury	0.076	+/-0.2	U	0.20	CV	08/15/2025	13:11	LB136836
CCB57	Mercury	0.076	+/-0.2	U	0.20	CV	08/15/2025	13:18	LB136836

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Fax : 908 789 8922

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	1.94	+/-10	U	20.0	P	08/15/2025	13:43	LB136861
	Antimony	0.11	+/-1	U	2.00	P	08/15/2025	13:43	LB136861
	Arsenic	0.089	+/-0.5	U	1.00	P	08/15/2025	13:43	LB136861
	Barium	0.21	+/-5	U	10.0	P	08/15/2025	13:43	LB136861
	Beryllium	0.32	+/-0.5	U	1.00	P	08/15/2025	13:43	LB136861
	Cadmium	0.34	+/-0.5	U	1.00	P	08/15/2025	13:43	LB136861
	Calcium	45.7	+/-250	U	500	P	08/15/2025	13:43	LB136861
	Chromium	0.21	+/-1	U	2.00	P	08/15/2025	13:43	LB136861
	Cobalt	0.070	+/-0.5	U	1.00	P	08/15/2025	13:43	LB136861
	Copper	0.30	+/-1	U	2.00	P	08/15/2025	13:43	LB136861
	Iron	7.81	+/-25	U	50.0	P	08/15/2025	13:43	LB136861
	Lead	0.21	+/-0.5	U	1.00	P	08/15/2025	13:43	LB136861
	Magnesium	19.5	+/-250	U	500	P	08/15/2025	13:43	LB136861
	Manganese	0.43	+/-0.5	U	1.00	P	08/15/2025	13:43	LB136861
	Nickel	0.27	+/-0.5	U	1.00	P	08/15/2025	13:43	LB136861
	Potassium	36.4	+/-250	U	500	P	08/15/2025	13:43	LB136861
	Selenium	2.90	+/-2.5	U	5.00	P	08/15/2025	13:43	LB136861
	Silver	0.060	+/-0.5	U	1.00	P	08/15/2025	13:43	LB136861
	Sodium	128	+/-250	U	500	P	08/15/2025	13:43	LB136861
	Thallium	0.060	+/-0.5	U	1.00	P	08/15/2025	13:43	LB136861
	Vanadium	0.077	+/-2.5	U	5.00	P	08/15/2025	13:43	LB136861
	Zinc	1.25	+/-2.5	U	5.00	P	08/15/2025	13:43	LB136861

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Fax : 908 789 8922

Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	1.94	+/-10	U	20.0	P	08/15/2025	13:56	LB136861
	Antimony	0.11	+/-1	J	2.00	P	08/15/2025	13:56	LB136861
	Arsenic	0.089	+/-0.5	U	1.00	P	08/15/2025	13:56	LB136861
	Barium	0.21	+/-5	U	10.0	P	08/15/2025	13:56	LB136861
	Beryllium	0.32	+/-0.5	U	1.00	P	08/15/2025	13:56	LB136861
	Cadmium	0.34	+/-0.5	U	1.00	P	08/15/2025	13:56	LB136861
	Calcium	45.7	+/-250	U	500	P	08/15/2025	13:56	LB136861
	Chromium	0.21	+/-1	U	2.00	P	08/15/2025	13:56	LB136861
	Cobalt	0.070	+/-0.5	U	1.00	P	08/15/2025	13:56	LB136861
	Copper	0.30	+/-1	U	2.00	P	08/15/2025	13:56	LB136861
	Iron	7.81	+/-25	U	50.0	P	08/15/2025	13:56	LB136861
	Lead	0.21	+/-0.5	U	1.00	P	08/15/2025	13:56	LB136861
	Magnesium	19.5	+/-250	U	500	P	08/15/2025	13:56	LB136861
	Manganese	0.43	+/-0.5	U	1.00	P	08/15/2025	13:56	LB136861
	Nickel	0.27	+/-0.5	U	1.00	P	08/15/2025	13:56	LB136861
	Potassium	36.4	+/-250	U	500	P	08/15/2025	13:56	LB136861
	Selenium	2.90	+/-2.5	U	5.00	P	08/15/2025	13:56	LB136861
	Silver	0.060	+/-0.5	U	1.00	P	08/15/2025	13:56	LB136861
	Sodium	128	+/-250	U	500	P	08/15/2025	13:56	LB136861
	Thallium	0.070	+/-0.5	J	1.00	P	08/15/2025	13:56	LB136861
	Vanadium	0.077	+/-2.5	U	5.00	P	08/15/2025	13:56	LB136861
	Zinc	1.25	+/-2.5	U	5.00	P	08/15/2025	13:56	LB136861
CCB02	Aluminum	1.94	+/-10	U	20.0	P	08/15/2025	14:44	LB136861
	Antimony	0.13	+/-1	J	2.00	P	08/15/2025	14:44	LB136861
	Arsenic	0.089	+/-0.5	U	1.00	P	08/15/2025	14:44	LB136861
	Barium	0.21	+/-5	U	10.0	P	08/15/2025	14:44	LB136861
	Beryllium	0.32	+/-0.5	U	1.00	P	08/15/2025	14:44	LB136861
	Cadmium	0.34	+/-0.5	U	1.00	P	08/15/2025	14:44	LB136861
	Calcium	45.7	+/-250	U	500	P	08/15/2025	14:44	LB136861
	Chromium	0.21	+/-1	U	2.00	P	08/15/2025	14:44	LB136861
	Cobalt	0.070	+/-0.5	U	1.00	P	08/15/2025	14:44	LB136861
	Copper	0.30	+/-1	U	2.00	P	08/15/2025	14:44	LB136861
	Iron	9.88	+/-25	J	50.0	P	08/15/2025	14:44	LB136861
	Lead	0.21	+/-0.5	U	1.00	P	08/15/2025	14:44	LB136861
	Magnesium	19.5	+/-250	U	500	P	08/15/2025	14:44	LB136861
	Manganese	0.43	+/-0.5	U	1.00	P	08/15/2025	14:44	LB136861
	Nickel	0.27	+/-0.5	U	1.00	P	08/15/2025	14:44	LB136861
	Potassium	36.4	+/-250	U	500	P	08/15/2025	14:44	LB136861
	Selenium	2.90	+/-2.5	U	5.00	P	08/15/2025	14:44	LB136861

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	0.060	+/-0.5	U	1.00	P	08/15/2025	14:44	LB136861
	Sodium	128	+/-250	U	500	P	08/15/2025	14:44	LB136861
	Thallium	0.10	+/-0.5	J	1.00	P	08/15/2025	14:44	LB136861
	Vanadium	0.077	+/-2.5	U	5.00	P	08/15/2025	14:44	LB136861
	Zinc	1.25	+/-2.5	U	5.00	P	08/15/2025	14:44	LB136861
CCB03	Aluminum	1.94	+/-10	U	20.0	P	08/15/2025	15:24	LB136861
	Antimony	0.14	+/-1	J	2.00	P	08/15/2025	15:24	LB136861
	Arsenic	0.089	+/-0.5	U	1.00	P	08/15/2025	15:24	LB136861
	Barium	0.21	+/-5	U	10.0	P	08/15/2025	15:24	LB136861
	Beryllium	0.32	+/-0.5	U	1.00	P	08/15/2025	15:24	LB136861
	Cadmium	0.34	+/-0.5	U	1.00	P	08/15/2025	15:24	LB136861
	Calcium	45.7	+/-250	U	500	P	08/15/2025	15:24	LB136861
	Chromium	0.21	+/-1	U	2.00	P	08/15/2025	15:24	LB136861
	Cobalt	0.070	+/-0.5	U	1.00	P	08/15/2025	15:24	LB136861
	Copper	0.30	+/-1	U	2.00	P	08/15/2025	15:24	LB136861
	Iron	7.81	+/-25	U	50.0	P	08/15/2025	15:24	LB136861
	Lead	0.21	+/-0.5	U	1.00	P	08/15/2025	15:24	LB136861
	Magnesium	19.5	+/-250	U	500	P	08/15/2025	15:24	LB136861
	Manganese	0.43	+/-0.5	U	1.00	P	08/15/2025	15:24	LB136861
	Nickel	0.27	+/-0.5	U	1.00	P	08/15/2025	15:24	LB136861
	Potassium	36.4	+/-250	U	500	P	08/15/2025	15:24	LB136861
	Selenium	2.90	+/-2.5	U	5.00	P	08/15/2025	15:24	LB136861
	Silver	0.060	+/-0.5	J	1.00	P	08/15/2025	15:24	LB136861
	Sodium	128	+/-250	U	500	P	08/15/2025	15:24	LB136861
	Thallium	0.090	+/-0.5	J	1.00	P	08/15/2025	15:24	LB136861
	Vanadium	0.077	+/-2.5	U	5.00	P	08/15/2025	15:24	LB136861
	Zinc	1.25	+/-2.5	U	5.00	P	08/15/2025	15:24	LB136861
CCB04	Aluminum	1.94	+/-10	U	20.0	P	08/15/2025	16:10	LB136861
	Antimony	0.13	+/-1	J	2.00	P	08/15/2025	16:10	LB136861
	Arsenic	0.20	+/-0.5	J	1.00	P	08/15/2025	16:10	LB136861
	Barium	0.21	+/-5	U	10.0	P	08/15/2025	16:10	LB136861
	Beryllium	0.32	+/-0.5	U	1.00	P	08/15/2025	16:10	LB136861
	Cadmium	0.34	+/-0.5	U	1.00	P	08/15/2025	16:10	LB136861
	Calcium	45.7	+/-250	U	500	P	08/15/2025	16:10	LB136861
	Chromium	0.21	+/-1	U	2.00	P	08/15/2025	16:10	LB136861
	Cobalt	0.070	+/-0.5	U	1.00	P	08/15/2025	16:10	LB136861
	Copper	0.30	+/-1	U	2.00	P	08/15/2025	16:10	LB136861
	Iron	7.81	+/-25	U	50.0	P	08/15/2025	16:10	LB136861
	Lead	0.21	+/-0.5	U	1.00	P	08/15/2025	16:10	LB136861

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	19.5	+/-250	U	500	P	08/15/2025	16:10	LB136861
	Manganese	0.43	+/-0.5	U	1.00	P	08/15/2025	16:10	LB136861
	Nickel	0.27	+/-0.5	U	1.00	P	08/15/2025	16:10	LB136861
	Potassium	36.4	+/-250	U	500	P	08/15/2025	16:10	LB136861
	Selenium	2.90	+/-2.5	U	5.00	P	08/15/2025	16:10	LB136861
	Silver	0.060	+/-0.5	J	1.00	P	08/15/2025	16:10	LB136861
	Sodium	128	+/-250	U	500	P	08/15/2025	16:10	LB136861
	Thallium	0.060	+/-0.5	U	1.00	P	08/15/2025	16:10	LB136861
	Vanadium	0.077	+/-2.5	U	5.00	P	08/15/2025	16:10	LB136861
	Zinc	1.25	+/-2.5	U	5.00	P	08/15/2025	16:10	LB136861
CCB05	Aluminum	1.94	+/-10	U	20.0	P	08/15/2025	16:50	LB136861
	Antimony	0.11	+/-1	U	2.00	P	08/15/2025	16:50	LB136861
	Arsenic	0.089	+/-0.5	U	1.00	P	08/15/2025	16:50	LB136861
	Barium	0.21	+/-5	U	10.0	P	08/15/2025	16:50	LB136861
	Beryllium	0.32	+/-0.5	U	1.00	P	08/15/2025	16:50	LB136861
	Cadmium	0.34	+/-0.5	U	1.00	P	08/15/2025	16:50	LB136861
	Calcium	45.7	+/-250	U	500	P	08/15/2025	16:50	LB136861
	Chromium	0.21	+/-1	U	2.00	P	08/15/2025	16:50	LB136861
	Cobalt	0.070	+/-0.5	U	1.00	P	08/15/2025	16:50	LB136861
	Copper	0.30	+/-1	U	2.00	P	08/15/2025	16:50	LB136861
	Iron	7.81	+/-25	U	50.0	P	08/15/2025	16:50	LB136861
	Lead	0.21	+/-0.5	U	1.00	P	08/15/2025	16:50	LB136861
	Magnesium	19.5	+/-250	U	500	P	08/15/2025	16:50	LB136861
	Manganese	0.43	+/-0.5	U	1.00	P	08/15/2025	16:50	LB136861
	Nickel	0.27	+/-0.5	U	1.00	P	08/15/2025	16:50	LB136861
	Potassium	36.4	+/-250	U	500	P	08/15/2025	16:50	LB136861
	Selenium	2.90	+/-2.5	U	5.00	P	08/15/2025	16:50	LB136861
	Silver	0.060	+/-0.5	U	1.00	P	08/15/2025	16:50	LB136861
	Sodium	128	+/-250	U	500	P	08/15/2025	16:50	LB136861
	Thallium	0.060	+/-0.5	U	1.00	P	08/15/2025	16:50	LB136861
	Vanadium	0.077	+/-2.5	U	5.00	P	08/15/2025	16:50	LB136861
	Zinc	1.25	+/-2.5	U	5.00	P	08/15/2025	16:50	LB136861

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Aluminum	1.94	+/-10	U	20.0	P	08/21/2025	12:29	LB136916
	Antimony	0.11	+/-1	U	2.00	P	08/21/2025	12:29	LB136916
	Arsenic	0.089	+/-0.5	U	1.00	P	08/21/2025	12:29	LB136916
	Barium	0.21	+/-5	U	10.0	P	08/21/2025	12:29	LB136916
	Beryllium	0.32	+/-0.5	U	1.00	P	08/21/2025	12:29	LB136916
	Cadmium	0.34	+/-0.5	U	1.00	P	08/21/2025	12:29	LB136916
	Calcium	45.7	+/-250	U	500	P	08/21/2025	12:29	LB136916
	Chromium	0.21	+/-1	U	2.00	P	08/21/2025	12:29	LB136916
	Cobalt	0.070	+/-0.5	U	1.00	P	08/21/2025	12:29	LB136916
	Copper	0.30	+/-1	U	2.00	P	08/21/2025	12:29	LB136916
	Iron	7.81	+/-25	U	50.0	P	08/21/2025	12:29	LB136916
	Lead	0.21	+/-0.5	U	1.00	P	08/21/2025	12:29	LB136916
	Magnesium	19.5	+/-250	U	500	P	08/21/2025	12:29	LB136916
	Manganese	0.43	+/-0.5	U	1.00	P	08/21/2025	12:29	LB136916
	Nickel	0.27	+/-0.5	U	1.00	P	08/21/2025	12:29	LB136916
	Potassium	36.4	+/-250	U	500	P	08/21/2025	12:29	LB136916
	Selenium	2.90	+/-2.5	U	5.00	P	08/21/2025	12:29	LB136916
	Silver	0.060	+/-0.5	U	1.00	P	08/21/2025	12:29	LB136916
	Sodium	128	+/-250	U	500	P	08/21/2025	12:29	LB136916
	Thallium	0.060	+/-0.5	U	1.00	P	08/21/2025	12:29	LB136916
	Vanadium	0.077	+/-2.5	U	5.00	P	08/21/2025	12:29	LB136916
	Zinc	1.25	+/-2.5	U	5.00	P	08/21/2025	12:29	LB136916

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Aluminum	1.94	+/-10	U	20.0	P	08/21/2025	12:44	LB136916
	Antimony	0.11	+/-1	U	2.00	P	08/21/2025	12:44	LB136916
	Arsenic	0.089	+/-0.5	U	1.00	P	08/21/2025	12:44	LB136916
	Barium	0.21	+/-5	U	10.0	P	08/21/2025	12:44	LB136916
	Beryllium	0.32	+/-0.5	U	1.00	P	08/21/2025	12:44	LB136916
	Cadmium	0.34	+/-0.5	U	1.00	P	08/21/2025	12:44	LB136916
	Calcium	45.7	+/-250	U	500	P	08/21/2025	12:44	LB136916
	Chromium	0.21	+/-1	U	2.00	P	08/21/2025	12:44	LB136916
	Cobalt	0.070	+/-0.5	U	1.00	P	08/21/2025	12:44	LB136916
	Copper	0.30	+/-1	U	2.00	P	08/21/2025	12:44	LB136916
	Iron	7.81	+/-25	U	50.0	P	08/21/2025	12:44	LB136916
	Lead	0.21	+/-0.5	U	1.00	P	08/21/2025	12:44	LB136916
	Magnesium	19.5	+/-250	U	500	P	08/21/2025	12:44	LB136916
	Manganese	0.43	+/-0.5	U	1.00	P	08/21/2025	12:44	LB136916
	Nickel	0.27	+/-0.5	U	1.00	P	08/21/2025	12:44	LB136916
	Potassium	36.4	+/-250	U	500	P	08/21/2025	12:44	LB136916
	Selenium	2.90	+/-2.5	U	5.00	P	08/21/2025	12:44	LB136916
	Silver	0.060	+/-0.5	U	1.00	P	08/21/2025	12:44	LB136916
	Sodium	128	+/-250	U	500	P	08/21/2025	12:44	LB136916
	Thallium	0.060	+/-0.5	U	1.00	P	08/21/2025	12:44	LB136916
	Vanadium	0.077	+/-2.5	U	5.00	P	08/21/2025	12:44	LB136916
	Zinc	1.25	+/-2.5	U	5.00	P	08/21/2025	12:44	LB136916
CCB02	Aluminum	1.94	+/-10	U	20.0	P	08/21/2025	13:43	LB136916
	Antimony	0.15	+/-1	J	2.00	P	08/21/2025	13:43	LB136916
	Arsenic	0.089	+/-0.5	U	1.00	P	08/21/2025	13:43	LB136916
	Barium	0.21	+/-5	U	10.0	P	08/21/2025	13:43	LB136916
	Beryllium	0.32	+/-0.5	U	1.00	P	08/21/2025	13:43	LB136916
	Cadmium	0.34	+/-0.5	U	1.00	P	08/21/2025	13:43	LB136916
	Calcium	45.7	+/-250	U	500	P	08/21/2025	13:43	LB136916
	Chromium	0.21	+/-1	U	2.00	P	08/21/2025	13:43	LB136916
	Cobalt	0.070	+/-0.5	U	1.00	P	08/21/2025	13:43	LB136916
	Copper	0.30	+/-1	U	2.00	P	08/21/2025	13:43	LB136916
	Iron	7.81	+/-25	U	50.0	P	08/21/2025	13:43	LB136916
	Lead	0.21	+/-0.5	U	1.00	P	08/21/2025	13:43	LB136916
	Magnesium	19.5	+/-250	U	500	P	08/21/2025	13:43	LB136916
	Manganese	0.43	+/-0.5	U	1.00	P	08/21/2025	13:43	LB136916
	Nickel	0.27	+/-0.5	U	1.00	P	08/21/2025	13:43	LB136916
	Potassium	36.4	+/-250	U	500	P	08/21/2025	13:43	LB136916
	Selenium	2.90	+/-2.5	U	5.00	P	08/21/2025	13:43	LB136916

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB02	Silver	0.060	+/-0.5	U	1.00	P	08/21/2025	13:43	LB136916
	Sodium	128	+/-250	U	500	P	08/21/2025	13:43	LB136916
	Thallium	0.060	+/-0.5	U	1.00	P	08/21/2025	13:43	LB136916
	Vanadium	0.077	+/-2.5	U	5.00	P	08/21/2025	13:43	LB136916
	Zinc	1.25	+/-2.5	U	5.00	P	08/21/2025	13:43	LB136916
CCB03	Aluminum	1.94	+/-10	U	20.0	P	08/21/2025	14:34	LB136916
	Antimony	0.15	+/-1	J	2.00	P	08/21/2025	14:34	LB136916
	Arsenic	0.089	+/-0.5	U	1.00	P	08/21/2025	14:34	LB136916
	Barium	0.21	+/-5	U	10.0	P	08/21/2025	14:34	LB136916
	Beryllium	0.32	+/-0.5	U	1.00	P	08/21/2025	14:34	LB136916
	Cadmium	0.34	+/-0.5	U	1.00	P	08/21/2025	14:34	LB136916
	Calcium	45.7	+/-250	U	500	P	08/21/2025	14:34	LB136916
	Chromium	0.21	+/-1	U	2.00	P	08/21/2025	14:34	LB136916
	Cobalt	0.070	+/-0.5	U	1.00	P	08/21/2025	14:34	LB136916
	Copper	0.30	+/-1	U	2.00	P	08/21/2025	14:34	LB136916
	Iron	7.81	+/-25	U	50.0	P	08/21/2025	14:34	LB136916
	Lead	0.21	+/-0.5	U	1.00	P	08/21/2025	14:34	LB136916
	Magnesium	19.5	+/-250	U	500	P	08/21/2025	14:34	LB136916
	Manganese	0.43	+/-0.5	U	1.00	P	08/21/2025	14:34	LB136916
	Nickel	0.27	+/-0.5	U	1.00	P	08/21/2025	14:34	LB136916
	Potassium	36.4	+/-250	U	500	P	08/21/2025	14:34	LB136916
	Selenium	2.90	+/-2.5	U	5.00	P	08/21/2025	14:34	LB136916
	Silver	0.060	+/-0.5	U	1.00	P	08/21/2025	14:34	LB136916
	Sodium	128	+/-250	U	500	P	08/21/2025	14:34	LB136916
	Thallium	0.060	+/-0.5	U	1.00	P	08/21/2025	14:34	LB136916
	Vanadium	0.077	+/-2.5	U	5.00	P	08/21/2025	14:34	LB136916
	Zinc	1.25	+/-2.5	U	5.00	P	08/21/2025	14:34	LB136916
CCB04	Aluminum	1.94	+/-10	U	20.0	P	08/21/2025	15:18	LB136916
	Antimony	0.11	+/-1	U	2.00	P	08/21/2025	15:18	LB136916
	Arsenic	0.089	+/-0.5	U	1.00	P	08/21/2025	15:18	LB136916
	Barium	0.21	+/-5	U	10.0	P	08/21/2025	15:18	LB136916
	Beryllium	0.32	+/-0.5	U	1.00	P	08/21/2025	15:18	LB136916
	Cadmium	0.34	+/-0.5	U	1.00	P	08/21/2025	15:18	LB136916
	Calcium	45.7	+/-250	U	500	P	08/21/2025	15:18	LB136916
	Chromium	0.21	+/-1	U	2.00	P	08/21/2025	15:18	LB136916
	Cobalt	0.070	+/-0.5	U	1.00	P	08/21/2025	15:18	LB136916
	Copper	0.30	+/-1	U	2.00	P	08/21/2025	15:18	LB136916
	Iron	7.81	+/-25	U	50.0	P	08/21/2025	15:18	LB136916
	Lead	0.21	+/-0.5	U	1.00	P	08/21/2025	15:18	LB136916

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Metals

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INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB04	Magnesium	19.5	+/-250	U	500	P	08/21/2025	15:18	LB136916
	Manganese	0.43	+/-0.5	U	1.00	P	08/21/2025	15:18	LB136916
	Nickel	0.27	+/-0.5	U	1.00	P	08/21/2025	15:18	LB136916
	Potassium	36.4	+/-250	U	500	P	08/21/2025	15:18	LB136916
	Selenium	2.90	+/-2.5	U	5.00	P	08/21/2025	15:18	LB136916
	Silver	0.060	+/-0.5	U	1.00	P	08/21/2025	15:18	LB136916
	Sodium	128	+/-250	U	500	P	08/21/2025	15:18	LB136916
	Thallium	0.060	+/-0.5	U	1.00	P	08/21/2025	15:18	LB136916
	Vanadium	0.077	+/-2.5	U	5.00	P	08/21/2025	15:18	LB136916
	Zinc	1.25	+/-2.5	U	5.00	P	08/21/2025	15:18	LB136916

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Instrument: CV1

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169249BL		**WATER**		**Batch Number:**	**PB169249**		**Prep Date:**	**08/14/2025**	
	Mercury	0.076	<0.2	U	0.20	CV	08/15/2025	12:22	LB136836

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Instrument: P7

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169250BL		**WATER**		**Batch Number:**	**PB169250**		**Prep Date:**	**08/14/2025**	
	Aluminum	1.94	<10	U	20.0	P	08/21/2025	13:46	LB136916
	Antimony	0.11	<1	U	2.00	P	08/21/2025	13:46	LB136916
	Arsenic	0.089	<0.5	U	1.00	P	08/21/2025	13:46	LB136916
	Barium	0.21	<5	U	10.0	P	08/21/2025	13:46	LB136916
	Beryllium	0.32	<0.5	U	1.00	P	08/21/2025	13:46	LB136916
	Cadmium	0.34	<0.5	U	1.00	P	08/21/2025	13:46	LB136916
	Calcium	45.7	<250	U	500	P	08/21/2025	13:46	LB136916
	Chromium	0.21	<1	U	2.00	P	08/21/2025	13:46	LB136916
	Cobalt	0.070	<0.5	U	1.00	P	08/21/2025	13:46	LB136916
	Copper	0.30	<1	U	2.00	P	08/21/2025	13:46	LB136916
	Iron	7.81	<25	U	50.0	P	08/21/2025	13:46	LB136916
	Lead	0.21	<0.5	U	1.00	P	08/21/2025	13:46	LB136916
	Magnesium	19.5	<250	U	500	P	08/21/2025	13:46	LB136916
	Manganese	0.43	<0.5	U	1.00	P	08/21/2025	13:46	LB136916
	Nickel	0.27	<0.5	U	1.00	P	08/21/2025	13:46	LB136916
	Potassium	36.4	<250	U	500	P	08/21/2025	13:46	LB136916
	Selenium	2.90	<2.5	U	5.00	P	08/21/2025	13:46	LB136916
	Silver	0.060	<0.5	U	1.00	P	08/21/2025	13:46	LB136916
	Sodium	128	<250	U	500	P	08/21/2025	13:46	LB136916
	Thallium	0.060	<0.5	U	1.00	P	08/21/2025	13:46	LB136916
	Vanadium	0.077	<2.5	U	5.00	P	08/21/2025	13:46	LB136916
	Zinc	1.25	<2.5	U	5.00	P	08/21/2025	13:46	LB136916

METAL CALIBRATION DATA

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc.
SDG No.: Q2842
Contract: JACO05
Lab Code: ACE
Initial Calibration Source: EPA
Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV18	Mercury	4.08	4.0	102	90 - 110	CV	08/15/2025	11:40	LB136836

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV54	Mercury	5.24	5.0	105	90 - 110	CV	08/15/2025	12:11	LB136836
CCV55	Mercury	4.83	5.0	96	90 - 110	CV	08/15/2025	12:38	LB136836
CCV56	Mercury	5.09	5.0	102	90 - 110	CV	08/15/2025	13:09	LB136836
CCV57	Mercury	5.18	5.0	104	90 - 110	CV	08/15/2025	13:15	LB136836

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Metals

- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	1500	1600	94	90 - 110	P	08/15/2025	13:22	LB136861
	Antimony	401	400	100	90 - 110	P	08/15/2025	13:22	LB136861
	Arsenic	386	400	97	90 - 110	P	08/15/2025	13:22	LB136861
	Barium	1610	1600	100	90 - 110	P	08/15/2025	13:22	LB136861
	Beryllium	39.0	40.0	98	90 - 110	P	08/15/2025	13:22	LB136861
	Cadmium	203	200	101	90 - 110	P	08/15/2025	13:22	LB136861
	Calcium	4130	4000	103	90 - 110	P	08/15/2025	13:22	LB136861
	Chromium	157	160	98	90 - 110	P	08/15/2025	13:22	LB136861
	Cobalt	394	400	98	90 - 110	P	08/15/2025	13:22	LB136861
	Copper	183	200	91	90 - 110	P	08/15/2025	13:22	LB136861
	Iron	853	800	107	90 - 110	P	08/15/2025	13:22	LB136861
	Lead	369	400	92	90 - 110	P	08/15/2025	13:22	LB136861
	Magnesium	3620	4000	90	90 - 110	P	08/15/2025	13:22	LB136861
	Manganese	364	400	91	90 - 110	P	08/15/2025	13:22	LB136861
	Nickel	398	400	100	90 - 110	P	08/15/2025	13:22	LB136861
	Potassium	3990	4000	100	90 - 110	P	08/15/2025	13:22	LB136861
	Selenium	398	400	99	90 - 110	P	08/15/2025	13:22	LB136861
	Silver	203	200	102	90 - 110	P	08/15/2025	13:22	LB136861
	Sodium	4040	4000	101	90 - 110	P	08/15/2025	13:22	LB136861
	Thallium	371	400	93	90 - 110	P	08/15/2025	13:22	LB136861
	Vanadium	387	400	97	90 - 110	P	08/15/2025	13:22	LB136861
	Zinc	366	400	91	90 - 110	P	08/15/2025	13:22	LB136861

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	19.4	20.0	97	80 - 120	P	08/15/2025	13:40	LB136861
	Antimony	2.12	2.0	106	80 - 120	P	08/15/2025	13:40	LB136861
	Arsenic	1.01	1.0	101	80 - 120	P	08/15/2025	13:40	LB136861
	Barium	10.0	10.0	100	80 - 120	P	08/15/2025	13:40	LB136861
	Beryllium	1.09	1.0	109	80 - 120	P	08/15/2025	13:40	LB136861
	Cadmium	0.96	1.0	96	80 - 120	P	08/15/2025	13:40	LB136861
	Calcium	554	500	111	80 - 120	P	08/15/2025	13:40	LB136861
	Chromium	1.98	2.0	99	80 - 120	P	08/15/2025	13:40	LB136861
	Cobalt	1.05	1.0	105	80 - 120	P	08/15/2025	13:40	LB136861
	Copper	1.95	2.0	98	80 - 120	P	08/15/2025	13:40	LB136861
	Iron	56.3	50.0	113	80 - 120	P	08/15/2025	13:40	LB136861
	Lead	0.84	1.0	84	80 - 120	P	08/15/2025	13:40	LB136861
	Magnesium	499	500	100	80 - 120	P	08/15/2025	13:40	LB136861
	Manganese	1.04	1.0	104	80 - 120	P	08/15/2025	13:40	LB136861
	Nickel	0.99	1.0	99	80 - 120	P	08/15/2025	13:40	LB136861
	Potassium	550	500	110	80 - 120	P	08/15/2025	13:40	LB136861
	Selenium	4.94	5.0	99	80 - 120	P	08/15/2025	13:40	LB136861
	Silver	1.13	1.0	113	80 - 120	P	08/15/2025	13:40	LB136861
	Sodium	521	500	104	80 - 120	P	08/15/2025	13:40	LB136861
	Thallium	1.02	1.0	102	80 - 120	P	08/15/2025	13:40	LB136861
	Vanadium	5.03	5.0	101	80 - 120	P	08/15/2025	13:40	LB136861
	Zinc	4.27	5.0	85	80 - 120	P	08/15/2025	13:40	LB136861

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	47100	50000	94	90 - 110	P	08/15/2025	13:53	LB136861
	Antimony	490	500	98	90 - 110	P	08/15/2025	13:53	LB136861
	Arsenic	474	500	95	90 - 110	P	08/15/2025	13:53	LB136861
	Barium	2460	2500	98	90 - 110	P	08/15/2025	13:53	LB136861
	Beryllium	511	500	102	90 - 110	P	08/15/2025	13:53	LB136861
	Cadmium	479	500	96	90 - 110	P	08/15/2025	13:53	LB136861
	Calcium	250000	250000	100	90 - 110	P	08/15/2025	13:53	LB136861
	Chromium	489	500	98	90 - 110	P	08/15/2025	13:53	LB136861
	Cobalt	482	500	96	90 - 110	P	08/15/2025	13:53	LB136861
	Copper	4770	5000	95	90 - 110	P	08/15/2025	13:53	LB136861
	Iron	127000	125000	102	90 - 110	P	08/15/2025	13:53	LB136861
	Lead	2460	2500	98	90 - 110	P	08/15/2025	13:53	LB136861
	Magnesium	239000	250000	96	90 - 110	P	08/15/2025	13:53	LB136861
	Manganese	4890	5000	98	90 - 110	P	08/15/2025	13:53	LB136861
	Nickel	479	500	96	90 - 110	P	08/15/2025	13:53	LB136861
	Potassium	124000	125000	99	90 - 110	P	08/15/2025	13:53	LB136861
	Selenium	466	500	93	90 - 110	P	08/15/2025	13:53	LB136861
	Silver	485	500	97	90 - 110	P	08/15/2025	13:53	LB136861
	Sodium	244000	250000	98	90 - 110	P	08/15/2025	13:53	LB136861
	Thallium	503	500	101	90 - 110	P	08/15/2025	13:53	LB136861
	Vanadium	490	500	98	90 - 110	P	08/15/2025	13:53	LB136861
	Zinc	4670	5000	94	90 - 110	P	08/15/2025	13:53	LB136861
CCV02	Aluminum	47800	50000	96	90 - 110	P	08/15/2025	14:41	LB136861
	Antimony	496	500	99	90 - 110	P	08/15/2025	14:41	LB136861
	Arsenic	484	500	97	90 - 110	P	08/15/2025	14:41	LB136861
	Barium	2520	2500	101	90 - 110	P	08/15/2025	14:41	LB136861
	Beryllium	510	500	102	90 - 110	P	08/15/2025	14:41	LB136861
	Cadmium	492	500	98	90 - 110	P	08/15/2025	14:41	LB136861
	Calcium	253000	250000	101	90 - 110	P	08/15/2025	14:41	LB136861
	Chromium	498	500	100	90 - 110	P	08/15/2025	14:41	LB136861
	Cobalt	497	500	99	90 - 110	P	08/15/2025	14:41	LB136861
	Copper	4960	5000	99	90 - 110	P	08/15/2025	14:41	LB136861
	Iron	130000	125000	104	90 - 110	P	08/15/2025	14:41	LB136861
	Lead	2480	2500	99	90 - 110	P	08/15/2025	14:41	LB136861

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	244000	250000	98	90 - 110	P	08/15/2025	14:41	LB136861
	Manganese	5000	5000	100	90 - 110	P	08/15/2025	14:41	LB136861
	Nickel	487	500	97	90 - 110	P	08/15/2025	14:41	LB136861
	Potassium	128000	125000	102	90 - 110	P	08/15/2025	14:41	LB136861
	Selenium	475	500	95	90 - 110	P	08/15/2025	14:41	LB136861
	Silver	502	500	100	90 - 110	P	08/15/2025	14:41	LB136861
	Sodium	249000	250000	100	90 - 110	P	08/15/2025	14:41	LB136861
	Thallium	512	500	102	90 - 110	P	08/15/2025	14:41	LB136861
	Vanadium	501	500	100	90 - 110	P	08/15/2025	14:41	LB136861
	Zinc	4830	5000	97	90 - 110	P	08/15/2025	14:41	LB136861
CCV03	Aluminum	48700	50000	98	90 - 110	P	08/15/2025	15:21	LB136861
	Antimony	503	500	101	90 - 110	P	08/15/2025	15:21	LB136861
	Arsenic	480	500	96	90 - 110	P	08/15/2025	15:21	LB136861
	Barium	2500	2500	100	90 - 110	P	08/15/2025	15:21	LB136861
	Beryllium	510	500	102	90 - 110	P	08/15/2025	15:21	LB136861
	Cadmium	494	500	99	90 - 110	P	08/15/2025	15:21	LB136861
	Calcium	253000	250000	101	90 - 110	P	08/15/2025	15:21	LB136861
	Chromium	495	500	99	90 - 110	P	08/15/2025	15:21	LB136861
	Cobalt	491	500	98	90 - 110	P	08/15/2025	15:21	LB136861
	Copper	4890	5000	98	90 - 110	P	08/15/2025	15:21	LB136861
	Iron	127000	125000	102	90 - 110	P	08/15/2025	15:21	LB136861
	Lead	2500	2500	100	90 - 110	P	08/15/2025	15:21	LB136861
	Magnesium	243000	250000	97	90 - 110	P	08/15/2025	15:21	LB136861
	Manganese	4930	5000	99	90 - 110	P	08/15/2025	15:21	LB136861
	Nickel	480	500	96	90 - 110	P	08/15/2025	15:21	LB136861
	Potassium	128000	125000	103	90 - 110	P	08/15/2025	15:21	LB136861
	Selenium	472	500	94	90 - 110	P	08/15/2025	15:21	LB136861
	Silver	508	500	102	90 - 110	P	08/15/2025	15:21	LB136861
	Sodium	246000	250000	98	90 - 110	P	08/15/2025	15:21	LB136861
	Thallium	511	500	102	90 - 110	P	08/15/2025	15:21	LB136861
	Vanadium	498	500	100	90 - 110	P	08/15/2025	15:21	LB136861
	Zinc	4780	5000	96	90 - 110	P	08/15/2025	15:21	LB136861
CCV04	Aluminum	47600	50000	95	90 - 110	P	08/15/2025	15:58	LB136861
	Antimony	494	500	99	90 - 110	P	08/15/2025	15:58	LB136861

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	475	500	95	90 - 110	P	08/15/2025	15:58	LB136861
	Barium	2470	2500	99	90 - 110	P	08/15/2025	15:58	LB136861
	Beryllium	505	500	101	90 - 110	P	08/15/2025	15:58	LB136861
	Cadmium	481	500	96	90 - 110	P	08/15/2025	15:58	LB136861
	Calcium	252000	250000	101	90 - 110	P	08/15/2025	15:58	LB136861
	Chromium	483	500	97	90 - 110	P	08/15/2025	15:58	LB136861
	Cobalt	482	500	96	90 - 110	P	08/15/2025	15:58	LB136861
	Copper	4690	5000	94	90 - 110	P	08/15/2025	15:58	LB136861
	Iron	126000	125000	101	90 - 110	P	08/15/2025	15:58	LB136861
	Lead	2430	2500	97	90 - 110	P	08/15/2025	15:58	LB136861
	Magnesium	240000	250000	96	90 - 110	P	08/15/2025	15:58	LB136861
	Manganese	4850	5000	97	90 - 110	P	08/15/2025	15:58	LB136861
	Nickel	470	500	94	90 - 110	P	08/15/2025	15:58	LB136861
	Potassium	124000	125000	99	90 - 110	P	08/15/2025	15:58	LB136861
	Selenium	477	500	95	90 - 110	P	08/15/2025	15:58	LB136861
	Silver	493	500	99	90 - 110	P	08/15/2025	15:58	LB136861
	Sodium	244000	250000	98	90 - 110	P	08/15/2025	15:58	LB136861
	Thallium	496	500	99	90 - 110	P	08/15/2025	15:58	LB136861
	Vanadium	480	500	96	90 - 110	P	08/15/2025	15:58	LB136861
	Zinc	4710	5000	94	90 - 110	P	08/15/2025	15:58	LB136861
CCV05	Aluminum	47800	50000	96	90 - 110	P	08/15/2025	16:39	LB136861
	Antimony	504	500	101	90 - 110	P	08/15/2025	16:39	LB136861
	Arsenic	469	500	94	90 - 110	P	08/15/2025	16:39	LB136861
	Barium	2540	2500	102	90 - 110	P	08/15/2025	16:39	LB136861
	Beryllium	514	500	103	90 - 110	P	08/15/2025	16:39	LB136861
	Cadmium	491	500	98	90 - 110	P	08/15/2025	16:39	LB136861
	Calcium	260000	250000	104	90 - 110	P	08/15/2025	16:39	LB136861
	Chromium	487	500	97	90 - 110	P	08/15/2025	16:39	LB136861
	Cobalt	483	500	97	90 - 110	P	08/15/2025	16:39	LB136861
	Copper	4740	5000	95	90 - 110	P	08/15/2025	16:39	LB136861
	Iron	126000	125000	101	90 - 110	P	08/15/2025	16:39	LB136861
	Lead	2560	2500	103	90 - 110	P	08/15/2025	16:39	LB136861
	Magnesium	240000	250000	96	90 - 110	P	08/15/2025	16:39	LB136861
	Manganese	4840	5000	97	90 - 110	P	08/15/2025	16:39	LB136861

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV05	Nickel	470	500	94	90 - 110	P	08/15/2025	16:39	LB136861
	Potassium	124000	125000	99	90 - 110	P	08/15/2025	16:39	LB136861
	Selenium	493	500	98	90 - 110	P	08/15/2025	16:39	LB136861
	Silver	509	500	102	90 - 110	P	08/15/2025	16:39	LB136861
	Sodium	240000	250000	96	90 - 110	P	08/15/2025	16:39	LB136861
	Thallium	522	500	104	90 - 110	P	08/15/2025	16:39	LB136861
	Vanadium	483	500	97	90 - 110	P	08/15/2025	16:39	LB136861
	Zinc	4680	5000	94	90 - 110	P	08/15/2025	16:39	LB136861

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Aluminum	1530	1600	95	90 - 110	P	08/21/2025	12:15	LB136916
	Antimony	410	400	102	90 - 110	P	08/21/2025	12:15	LB136916
	Arsenic	404	400	101	90 - 110	P	08/21/2025	12:15	LB136916
	Barium	1600	1600	100	90 - 110	P	08/21/2025	12:15	LB136916
	Beryllium	40.4	40.0	101	90 - 110	P	08/21/2025	12:15	LB136916
	Cadmium	207	200	104	90 - 110	P	08/21/2025	12:15	LB136916
	Calcium	4220	4000	106	90 - 110	P	08/21/2025	12:15	LB136916
	Chromium	161	160	101	90 - 110	P	08/21/2025	12:15	LB136916
	Cobalt	400	400	100	90 - 110	P	08/21/2025	12:15	LB136916
	Copper	187	200	93	90 - 110	P	08/21/2025	12:15	LB136916
	Iron	856	800	107	90 - 110	P	08/21/2025	12:15	LB136916
	Lead	371	400	93	90 - 110	P	08/21/2025	12:15	LB136916
	Magnesium	3710	4000	93	90 - 110	P	08/21/2025	12:15	LB136916
	Manganese	369	400	92	90 - 110	P	08/21/2025	12:15	LB136916
	Nickel	409	400	102	90 - 110	P	08/21/2025	12:15	LB136916
	Potassium	3900	4000	98	90 - 110	P	08/21/2025	12:15	LB136916
	Selenium	404	400	101	90 - 110	P	08/21/2025	12:15	LB136916
	Silver	209	200	105	90 - 110	P	08/21/2025	12:15	LB136916
	Sodium	4010	4000	100	90 - 110	P	08/21/2025	12:15	LB136916
	Thallium	378	400	94	90 - 110	P	08/21/2025	12:15	LB136916
	Vanadium	396	400	99	90 - 110	P	08/21/2025	12:15	LB136916
	Zinc	376	400	94	90 - 110	P	08/21/2025	12:15	LB136916

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Aluminum	19.3	20.0	96	80 - 120	P	08/21/2025	12:26	LB136916
	Antimony	2.10	2.0	105	80 - 120	P	08/21/2025	12:26	LB136916
	Arsenic	0.99	1.0	99	80 - 120	P	08/21/2025	12:26	LB136916
	Barium	9.84	10.0	98	80 - 120	P	08/21/2025	12:26	LB136916
	Beryllium	1.09	1.0	109	80 - 120	P	08/21/2025	12:26	LB136916
	Cadmium	1.05	1.0	105	80 - 120	P	08/21/2025	12:26	LB136916
	Calcium	516	500	103	80 - 120	P	08/21/2025	12:26	LB136916
	Chromium	1.96	2.0	98	80 - 120	P	08/21/2025	12:26	LB136916
	Cobalt	1.06	1.0	106	80 - 120	P	08/21/2025	12:26	LB136916
	Copper	2.00	2.0	100	80 - 120	P	08/21/2025	12:26	LB136916
	Iron	53.8	50.0	108	80 - 120	P	08/21/2025	12:26	LB136916
	Lead	0.82	1.0	82	80 - 120	P	08/21/2025	12:26	LB136916
	Magnesium	497	500	99	80 - 120	P	08/21/2025	12:26	LB136916
	Manganese	1.02	1.0	102	80 - 120	P	08/21/2025	12:26	LB136916
	Nickel	0.99	1.0	99	80 - 120	P	08/21/2025	12:26	LB136916
	Potassium	504	500	101	80 - 120	P	08/21/2025	12:26	LB136916
	Selenium	5.45	5.0	109	80 - 120	P	08/21/2025	12:26	LB136916
	Silver	1.09	1.0	109	80 - 120	P	08/21/2025	12:26	LB136916
	Sodium	510	500	102	80 - 120	P	08/21/2025	12:26	LB136916
	Thallium	0.96	1.0	96	80 - 120	P	08/21/2025	12:26	LB136916
	Vanadium	4.98	5.0	100	80 - 120	P	08/21/2025	12:26	LB136916
	Zinc	5.43	5.0	109	80 - 120	P	08/21/2025	12:26	LB136916

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Aluminum	46300	50000	93	90 - 110	P	08/21/2025	12:39	LB136916
	Antimony	522	500	104	90 - 110	P	08/21/2025	12:39	LB136916
	Arsenic	500	500	100	90 - 110	P	08/21/2025	12:39	LB136916
	Barium	2650	2500	106	90 - 110	P	08/21/2025	12:39	LB136916
	Beryllium	521	500	104	90 - 110	P	08/21/2025	12:39	LB136916
	Cadmium	512	500	102	90 - 110	P	08/21/2025	12:39	LB136916
	Calcium	249000	250000	100	90 - 110	P	08/21/2025	12:39	LB136916
	Chromium	511	500	102	90 - 110	P	08/21/2025	12:39	LB136916
	Cobalt	505	500	101	90 - 110	P	08/21/2025	12:39	LB136916
	Copper	4990	5000	100	90 - 110	P	08/21/2025	12:39	LB136916
	Iron	122000	125000	97	90 - 110	P	08/21/2025	12:39	LB136916
	Lead	2590	2500	104	90 - 110	P	08/21/2025	12:39	LB136916
	Magnesium	247000	250000	99	90 - 110	P	08/21/2025	12:39	LB136916
	Manganese	5070	5000	101	90 - 110	P	08/21/2025	12:39	LB136916
	Nickel	495	500	99	90 - 110	P	08/21/2025	12:39	LB136916
	Potassium	122000	125000	98	90 - 110	P	08/21/2025	12:39	LB136916
	Selenium	489	500	98	90 - 110	P	08/21/2025	12:39	LB136916
	Silver	518	500	104	90 - 110	P	08/21/2025	12:39	LB136916
	Sodium	251000	250000	100	90 - 110	P	08/21/2025	12:39	LB136916
	Thallium	520	500	104	90 - 110	P	08/21/2025	12:39	LB136916
	Vanadium	510	500	102	90 - 110	P	08/21/2025	12:39	LB136916
	Zinc	4820	5000	96	90 - 110	P	08/21/2025	12:39	LB136916
CCV02	Aluminum	46800	50000	94	90 - 110	P	08/21/2025	13:40	LB136916
	Antimony	519	500	104	90 - 110	P	08/21/2025	13:40	LB136916
	Arsenic	495	500	99	90 - 110	P	08/21/2025	13:40	LB136916
	Barium	2630	2500	105	90 - 110	P	08/21/2025	13:40	LB136916
	Beryllium	519	500	104	90 - 110	P	08/21/2025	13:40	LB136916
	Cadmium	506	500	101	90 - 110	P	08/21/2025	13:40	LB136916
	Calcium	252000	250000	101	90 - 110	P	08/21/2025	13:40	LB136916
	Chromium	496	500	99	90 - 110	P	08/21/2025	13:40	LB136916
	Cobalt	484	500	97	90 - 110	P	08/21/2025	13:40	LB136916
	Copper	4960	5000	99	90 - 110	P	08/21/2025	13:40	LB136916
	Iron	121000	125000	96	90 - 110	P	08/21/2025	13:40	LB136916
	Lead	2500	2500	100	90 - 110	P	08/21/2025	13:40	LB136916

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV02	Magnesium	249000	250000	100	90 - 110	P	08/21/2025	13:40	LB136916
	Manganese	5000	5000	100	90 - 110	P	08/21/2025	13:40	LB136916
	Nickel	488	500	98	90 - 110	P	08/21/2025	13:40	LB136916
	Potassium	121000	125000	97	90 - 110	P	08/21/2025	13:40	LB136916
	Selenium	488	500	98	90 - 110	P	08/21/2025	13:40	LB136916
	Silver	515	500	103	90 - 110	P	08/21/2025	13:40	LB136916
	Sodium	254000	250000	102	90 - 110	P	08/21/2025	13:40	LB136916
	Thallium	505	500	101	90 - 110	P	08/21/2025	13:40	LB136916
	Vanadium	498	500	100	90 - 110	P	08/21/2025	13:40	LB136916
	Zinc	4810	5000	96	90 - 110	P	08/21/2025	13:40	LB136916
CCV03	Aluminum	48300	50000	96	90 - 110	P	08/21/2025	14:32	LB136916
	Antimony	502	500	100	90 - 110	P	08/21/2025	14:32	LB136916
	Arsenic	507	500	101	90 - 110	P	08/21/2025	14:32	LB136916
	Barium	2560	2500	102	90 - 110	P	08/21/2025	14:32	LB136916
	Beryllium	531	500	106	90 - 110	P	08/21/2025	14:32	LB136916
	Cadmium	495	500	99	90 - 110	P	08/21/2025	14:32	LB136916
	Calcium	244000	250000	98	90 - 110	P	08/21/2025	14:32	LB136916
	Chromium	512	500	102	90 - 110	P	08/21/2025	14:32	LB136916
	Cobalt	507	500	101	90 - 110	P	08/21/2025	14:32	LB136916
	Copper	5010	5000	100	90 - 110	P	08/21/2025	14:32	LB136916
	Iron	122000	125000	98	90 - 110	P	08/21/2025	14:32	LB136916
	Lead	2540	2500	102	90 - 110	P	08/21/2025	14:32	LB136916
	Magnesium	254000	250000	102	90 - 110	P	08/21/2025	14:32	LB136916
	Manganese	5100	5000	102	90 - 110	P	08/21/2025	14:32	LB136916
	Nickel	498	500	100	90 - 110	P	08/21/2025	14:32	LB136916
	Potassium	125000	125000	100	90 - 110	P	08/21/2025	14:32	LB136916
	Selenium	483	500	96	90 - 110	P	08/21/2025	14:32	LB136916
	Silver	507	500	101	90 - 110	P	08/21/2025	14:32	LB136916
	Sodium	252000	250000	101	90 - 110	P	08/21/2025	14:32	LB136916
	Thallium	502	500	100	90 - 110	P	08/21/2025	14:32	LB136916
	Vanadium	510	500	102	90 - 110	P	08/21/2025	14:32	LB136916
	Zinc	4870	5000	97	90 - 110	P	08/21/2025	14:32	LB136916
CCV04	Aluminum	47200	50000	94	90 - 110	P	08/21/2025	15:12	LB136916
	Antimony	506	500	101	90 - 110	P	08/21/2025	15:12	LB136916

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: PLASMA-PURE

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV04	Arsenic	502	500	100	90 - 110	P	08/21/2025	15:12	LB136916
	Barium	2540	2500	102	90 - 110	P	08/21/2025	15:12	LB136916
	Beryllium	515	500	103	90 - 110	P	08/21/2025	15:12	LB136916
	Cadmium	499	500	100	90 - 110	P	08/21/2025	15:12	LB136916
	Calcium	238000	250000	95	90 - 110	P	08/21/2025	15:12	LB136916
	Chromium	501	500	100	90 - 110	P	08/21/2025	15:12	LB136916
	Cobalt	493	500	99	90 - 110	P	08/21/2025	15:12	LB136916
	Copper	4930	5000	99	90 - 110	P	08/21/2025	15:12	LB136916
	Iron	119000	125000	95	90 - 110	P	08/21/2025	15:12	LB136916
	Lead	2500	2500	100	90 - 110	P	08/21/2025	15:12	LB136916
	Magnesium	251000	250000	100	90 - 110	P	08/21/2025	15:12	LB136916
	Manganese	5020	5000	100	90 - 110	P	08/21/2025	15:12	LB136916
	Nickel	487	500	97	90 - 110	P	08/21/2025	15:12	LB136916
	Potassium	122000	125000	98	90 - 110	P	08/21/2025	15:12	LB136916
	Selenium	483	500	97	90 - 110	P	08/21/2025	15:12	LB136916
	Silver	508	500	102	90 - 110	P	08/21/2025	15:12	LB136916
	Sodium	252000	250000	101	90 - 110	P	08/21/2025	15:12	LB136916
	Thallium	506	500	101	90 - 110	P	08/21/2025	15:12	LB136916
	Vanadium	505	500	101	90 - 110	P	08/21/2025	15:12	LB136916
	Zinc	4750	5000	95	90 - 110	P	08/21/2025	15:12	LB136916

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Metals

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CRDL STANDARD FOR AA & ICP

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRA	Mercury	0.19	0.2	94	70 - 130	CV	08/15/2025	12:16	LB136836
CRI	Aluminum	18.0	20.0	90	70 - 130	P	08/15/2025	14:03	LB136861
	Antimony	2.15	2.0	108	70 - 130	P	08/15/2025	14:03	LB136861
	Arsenic	1.04	1.0	104	70 - 130	P	08/15/2025	14:03	LB136861
	Barium	10.7	10.0	107	70 - 130	P	08/15/2025	14:03	LB136861
	Beryllium	1.17	1.0	117	70 - 130	P	08/15/2025	14:03	LB136861
	Cadmium	1.05	1.0	105	70 - 130	P	08/15/2025	14:03	LB136861
	Calcium	589	500	118	70 - 130	P	08/15/2025	14:03	LB136861
	Chromium	2.19	2.0	110	70 - 130	P	08/15/2025	14:03	LB136861
	Cobalt	1.15	1.0	115	50 - 150	P	08/15/2025	14:03	LB136861
	Copper	2.19	2.0	110	70 - 130	P	08/15/2025	14:03	LB136861
	Iron	60.5	50.0	121	70 - 130	P	08/15/2025	14:03	LB136861
	Lead	1.01	1.0	101	70 - 130	P	08/15/2025	14:03	LB136861
	Magnesium	522	500	104	70 - 130	P	08/15/2025	14:03	LB136861
	Manganese	1.06	1.0	106	50 - 150	P	08/15/2025	14:03	LB136861
	Nickel	1.16	1.0	116	70 - 130	P	08/15/2025	14:03	LB136861
	Potassium	591	500	118	70 - 130	P	08/15/2025	14:03	LB136861
	Selenium	5.56	5.0	111	70 - 130	P	08/15/2025	14:03	LB136861
	Silver	1.13	1.0	113	70 - 130	P	08/15/2025	14:03	LB136861
	Sodium	562	500	112	70 - 130	P	08/15/2025	14:03	LB136861
	Thallium	1.05	1.0	105	70 - 130	P	08/15/2025	14:03	LB136861
	Vanadium	5.53	5.0	111	70 - 130	P	08/15/2025	14:03	LB136861
	Zinc	4.70	5.0	94	50 - 150	P	08/15/2025	14:03	LB136861
CRI	Aluminum	20.2	20.0	101	70 - 130	P	08/21/2025	12:48	LB136916
	Antimony	2.16	2.0	108	70 - 130	P	08/21/2025	12:48	LB136916
	Arsenic	1.05	1.0	105	70 - 130	P	08/21/2025	12:48	LB136916
	Barium	10.7	10.0	107	70 - 130	P	08/21/2025	12:48	LB136916
	Beryllium	1.18	1.0	118	70 - 130	P	08/21/2025	12:48	LB136916
	Cadmium	0.98	1.0	98	70 - 130	P	08/21/2025	12:48	LB136916
	Calcium	555	500	111	70 - 130	P	08/21/2025	12:48	LB136916
	Chromium	2.13	2.0	106	70 - 130	P	08/21/2025	12:48	LB136916
	Cobalt	1.16	1.0	116	50 - 150	P	08/21/2025	12:48	LB136916
	Copper	2.11	2.0	106	70 - 130	P	08/21/2025	12:48	LB136916
	Iron	59.0	50.0	118	70 - 130	P	08/21/2025	12:48	LB136916
	Lead	1.03	1.0	103	70 - 130	P	08/21/2025	12:48	LB136916

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Metals

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CRDL STANDARD FOR AA & ICP

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI	Magnesium	524	500	105	70 - 130	P	08/21/2025	12:48	LB136916
	Manganese	1.01	1.0	101	50 - 150	P	08/21/2025	12:48	LB136916
	Nickel	1.19	1.0	119	70 - 130	P	08/21/2025	12:48	LB136916
	Potassium	561	500	112	70 - 130	P	08/21/2025	12:48	LB136916
	Selenium	5.74	5.0	115	70 - 130	P	08/21/2025	12:48	LB136916
	Silver	1.10	1.0	110	70 - 130	P	08/21/2025	12:48	LB136916
	Sodium	558	500	112	70 - 130	P	08/21/2025	12:48	LB136916
	Thallium	1.00	1.0	100	70 - 130	P	08/21/2025	12:48	LB136916
	Vanadium	5.41	5.0	108	70 - 130	P	08/21/2025	12:48	LB136916
	Zinc	5.49	5.0	110	50 - 150	P	08/21/2025	12:48	LB136916

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Metals
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INTERFERENCE CHECK SAMPLE

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P7

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Aluminum	89100	100000	89	0	0	08/15/2025	13:46	LB136861
	Antimony	1.11	1.5	74	-2.5	5.5	08/15/2025	13:46	LB136861
	Arsenic	0.29	0.1	290	-1.9	2.1	08/15/2025	13:46	LB136861
	Barium	1.35	1.2	112	-18.8	21.2	08/15/2025	13:46	LB136861
	Beryllium	0.28			-2	2	08/15/2025	13:46	LB136861
	Cadmium	0.17	0.7	24	-1.3	2.7	08/15/2025	13:46	LB136861
	Calcium	102000	100000	102	0	0	08/15/2025	13:46	LB136861
	Chromium	20.0	21.0	95	17	25	08/15/2025	13:46	LB136861
	Cobalt	1.28	1.0	128	-1	3	08/15/2025	13:46	LB136861
	Copper	7.41	8.0	93	4	12	08/15/2025	13:46	LB136861
	Iron	102000	100000	102	0	0	08/15/2025	13:46	LB136861
	Lead	4.10	4.0	102	2	6	08/15/2025	13:46	LB136861
	Magnesium	91200	100000	91	0	0	08/15/2025	13:46	LB136861
	Manganese	7.52	7.0	107	5	9	08/15/2025	13:46	LB136861
	Nickel	5.29	6.0	88	4	8	08/15/2025	13:46	LB136861
	Potassium	102000	100000	102	0	0	08/15/2025	13:46	LB136861
	Selenium	0	0.3		-9.7	10	08/15/2025	13:46	LB136861
	Silver	0.050			-2	2	08/15/2025	13:46	LB136861
	Sodium	100000	100000	100	0	0	08/15/2025	13:46	LB136861
	Thallium	0.040			-2	2	08/15/2025	13:46	LB136861
	Vanadium	0.22	0.5	44	-9.5	10.5	08/15/2025	13:46	LB136861
	Zinc	9.17	11.0	83	1	21	08/15/2025	13:46	LB136861
ICSAB01	Aluminum	89700	100000	90	0	0	08/15/2025	13:50	LB136861
	Antimony	20.9	22.0	95	18	26	08/15/2025	13:50	LB136861
	Arsenic	20.2	19.0	106	16.2	21.9	08/15/2025	13:50	LB136861
	Barium	21.7	22.0	99	2	42	08/15/2025	13:50	LB136861
	Beryllium	21.4	19.0	113	16.2	21.9	08/15/2025	13:50	LB136861
	Cadmium	20.4	20.0	102	17	23	08/15/2025	13:50	LB136861
	Calcium	102000	100000	102	0	0	08/15/2025	13:50	LB136861
	Chromium	40.6	40.0	102	34	46	08/15/2025	13:50	LB136861
	Cobalt	21.9	20.0	110	17	23	08/15/2025	13:50	LB136861
	Copper	26.5	25.0	106	21	29	08/15/2025	13:50	LB136861
	Iron	102000	100000	102	0	0	08/15/2025	13:50	LB136861
	Lead	23.6	25.0	94	21.3	28.8	08/15/2025	13:50	LB136861
	Magnesium	91800	100000	92	0	0	08/15/2025	13:50	LB136861
	Manganese	28.4	27.0	105	23	31.1	08/15/2025	13:50	LB136861
	Nickel	26.6	24.0	111	20.4	27.6	08/15/2025	13:50	LB136861
	Potassium	103000	100000	103	0	0	08/15/2025	13:50	LB136861
	Selenium	19.6	19.0	103	9	29	08/15/2025	13:50	LB136861
	Silver	19.9	18.0	111	15.3	20.7	08/15/2025	13:50	LB136861
	Sodium	101000	100000	101	0	0	08/15/2025	13:50	LB136861
	Thallium	20.4	21.0	97	17.9	24.2	08/15/2025	13:50	LB136861

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INTERFERENCE CHECK SAMPLE

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P7

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Vanadium	20.3	19.0	107	9	29	08/15/2025	13:50	LB136861
	Zinc	27.1	29.0	93	19	39	08/15/2025	13:50	LB136861
ICSA01	Aluminum	93700	100000	94	0	0	08/21/2025	12:33	LB136916
	Antimony	1.09	1.5	73	-2.5	5.5	08/21/2025	12:33	LB136916
	Arsenic	0.28	0.1	280	-1.9	2.1	08/21/2025	12:33	LB136916
	Barium	1.42	1.2	118	-18.8	21.2	08/21/2025	12:33	LB136916
	Beryllium	0.27			-2	2	08/21/2025	12:33	LB136916
	Cadmium	0	0.7		-1.3	2.7	08/21/2025	12:33	LB136916
	Calcium	100000	100000	100	0	0	08/21/2025	12:33	LB136916
	Chromium	20.1	21.0	96	17	25	08/21/2025	12:33	LB136916
	Cobalt	1.30	1.0	130	-1	3	08/21/2025	12:33	LB136916
	Copper	7.38	8.0	92	4	12	08/21/2025	12:33	LB136916
	Iron	100000	100000	100	0	0	08/21/2025	12:33	LB136916
	Lead	4.27	4.0	107	2	6	08/21/2025	12:33	LB136916
	Magnesium	96000	100000	96	0	0	08/21/2025	12:33	LB136916
	Manganese	7.22	7.0	103	5	9	08/21/2025	12:33	LB136916
	Nickel	5.50	6.0	92	4	8	08/21/2025	12:33	LB136916
	Potassium	101000	100000	101	0	0	08/21/2025	12:33	LB136916
	Selenium	0.050	0.3	17	-9.7	10	08/21/2025	12:33	LB136916
	Silver	0.050			-2	2	08/21/2025	12:33	LB136916
	Sodium	105000	100000	105	0	0	08/21/2025	12:33	LB136916
	Thallium	0.040			-2	2	08/21/2025	12:33	LB136916
	Vanadium	0.19	0.5	38	-9.5	10.5	08/21/2025	12:33	LB136916
	Zinc	9.71	11.0	88	1	21	08/21/2025	12:33	LB136916
ICSAB01	Aluminum	93100	100000	93	0	0	08/21/2025	12:36	LB136916
	Antimony	21.4	22.0	97	18	26	08/21/2025	12:36	LB136916
	Arsenic	20.3	19.0	107	16.2	21.9	08/21/2025	12:36	LB136916
	Barium	21.8	22.0	99	2	42	08/21/2025	12:36	LB136916
	Beryllium	20.8	19.0	110	16.2	21.9	08/21/2025	12:36	LB136916
	Cadmium	20.7	20.0	104	17	23	08/21/2025	12:36	LB136916
	Calcium	99700	100000	100	0	0	08/21/2025	12:36	LB136916
	Chromium	40.2	40.0	100	34	46	08/21/2025	12:36	LB136916
	Cobalt	21.6	20.0	108	17	23	08/21/2025	12:36	LB136916
	Copper	26.5	25.0	106	21	29	08/21/2025	12:36	LB136916
	Iron	101000	100000	101	0	0	08/21/2025	12:36	LB136916
	Lead	23.3	25.0	93	21.3	28.8	08/21/2025	12:36	LB136916
	Magnesium	93700	100000	94	0	0	08/21/2025	12:36	LB136916
	Manganese	25.7	27.0	95	23	31.1	08/21/2025	12:36	LB136916
	Nickel	26.0	24.0	108	20.4	27.6	08/21/2025	12:36	LB136916
	Potassium	101000	100000	101	0	0	08/21/2025	12:36	LB136916
	Selenium	20.0	19.0	105	9	29	08/21/2025	12:36	LB136916
	Silver	20.2	18.0	112	15.3	20.7	08/21/2025	12:36	LB136916

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Metals
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INTERFERENCE CHECK SAMPLE

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P7

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSAB01	Sodium	104000	100000	104	0	0	08/21/2025	12:36	LB136916
	Thallium	19.8	21.0	94	17.9	24.2	08/21/2025	12:36	LB136916
	Vanadium	20.0	19.0	105	9	29	08/21/2025	12:36	LB136916
	Zinc	29.0	29.0	100	19	39	08/21/2025	12:36	LB136916

METAL QC DATA

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MATRIX SPIKE SUMMARY

client: JACOBS Engineering Group, Inc. **level:** low **sdg no.:** Q2842

contract: JACO05 **lab code:** ACE

matrix: Water **sample id:** Q2842-03 **client id:** MW-17B-55.5-08122025MS

Percent Solids for Sample: NA **Spiked ID:** Q2842-04 **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	8440		31.8		10000	84		P
Antimony	ug/L	75 - 125	464		0.22	J	500	93		P
Arsenic	ug/L	75 - 125	489		0.63	J	500	98		P
Barium	ug/L	75 - 125	2580		448		2500	85		P
Beryllium	ug/L	75 - 125	485		1.00	U	500	97		P
Cadmium	ug/L	75 - 125	473		1.00	U	500	95		P
Calcium	ug/L	75 - 125	73500		29600		50000	88		P
Chromium	ug/L	75 - 125	456		2.00	U	500	91		P
Cobalt	ug/L	75 - 125	476		8.23		500	94		P
Copper	ug/L	75 - 125	4350		2.00	U	5000	87		P
Iron	ug/L	75 - 125	28900		7590		25000	85		P
Lead	ug/L	75 - 125	2320		0.61	J	2500	93		P
Magnesium	ug/L	75 - 125	55100		9260		50000	92		P
Manganese	ug/L	75 - 125	4900		618		5000	86		P
Nickel	ug/L	75 - 125	478		11.3		500	93		P
Mercury	ug/L	82 - 119	3.75		0.20	U	4.0	94		CV
Potassium	ug/L	75 - 125	29700		7950		25000	87		P
Selenium	ug/L	75 - 125	475		5.00	U	500	95		P
Silver	ug/L	75 - 125	85.3		1.00	U	500	17	N	P
Sodium	ug/L	75 - 125	52200		6170		50000	92		P
Thallium	ug/L	75 - 125	462		0.21	J	500	92		P
Vanadium	ug/L	75 - 125	467		0.29	J	500	93		P
Zinc	ug/L	75 - 125	4520		3.08	J	5000	90		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: JACOBS Engineering Group, Inc. **level:** low **sdg no.:** Q2842

contract: JACO05 **lab code:** ACE

matrix: Water **sample id:** Q2842-03 **client id:** MW-17B-55.5-08122025MSD

Percent Solids for Sample: NA **Spiked ID:** Q2842-05 **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	8470		31.8		10000	84		P
Antimony	ug/L	75 - 125	482		0.22	J	500	96		P
Arsenic	ug/L	75 - 125	467		0.63	J	500	93		P
Barium	ug/L	75 - 125	2650		448		2500	88		P
Beryllium	ug/L	75 - 125	489		1.00	U	500	98		P
Cadmium	ug/L	75 - 125	484		1.00	U	500	97		P
Calcium	ug/L	75 - 125	74200		29600		50000	89		P
Chromium	ug/L	75 - 125	455		2.00	U	500	91		P
Cobalt	ug/L	75 - 125	481		8.23		500	95		P
Copper	ug/L	75 - 125	4370		2.00	U	5000	87		P
Iron	ug/L	75 - 125	29000		7590		25000	86		P
Lead	ug/L	75 - 125	2370		0.61	J	2500	95		P
Magnesium	ug/L	75 - 125	55000		9260		50000	91		P
Manganese	ug/L	75 - 125	4960		618		5000	87		P
Nickel	ug/L	75 - 125	483		11.3		500	94		P
Mercury	ug/L	82 - 119	3.89		0.20	U	4.0	97		CV
Potassium	ug/L	75 - 125	29900		7950		25000	88		P
Selenium	ug/L	75 - 125	469		5.00	U	500	94		P
Silver	ug/L	75 - 125	87.6		1.00	U	500	18	N	P
Sodium	ug/L	75 - 125	51900		6170		50000	92		P
Thallium	ug/L	75 - 125	477		0.21	J	500	95		P
Vanadium	ug/L	75 - 125	476		0.29	J	500	95		P
Zinc	ug/L	75 - 125	4550		3.08	J	5000	91		P

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metals
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MATRIX SPIKE SUMMARY

client: JACOBS Engineering Group, Inc. **level:** low **sdg no.:** Q2842

contract: JACO05 **lab code:** ACE

matrix: Water **sample id:** Q2842-09 **client id:** MW-17B-55.5-08122025MS

Percent Solids for Sample: NA **Spiked ID:** Q2842-10 **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	8320		12.3	J	10000	83		P
Antimony	ug/L	75 - 125	474		0.23	J	500	95		P
Arsenic	ug/L	75 - 125	492		0.54	J	500	98		P
Barium	ug/L	75 - 125	2600		431		2500	87		P
Beryllium	ug/L	75 - 125	474		1.00	U	500	95		P
Cadmium	ug/L	75 - 125	473		1.00	U	500	95		P
Calcium	ug/L	75 - 125	72300		31900		50000	81		P
Chromium	ug/L	75 - 125	459		2.00	U	500	92		P
Cobalt	ug/L	75 - 125	475		8.13		500	93		P
Copper	ug/L	75 - 125	4250		2.00	U	5000	85		P
Iron	ug/L	75 - 125	27000		7020		25000	80		P
Lead	ug/L	75 - 125	2300		1.00	U	2500	92		P
Magnesium	ug/L	75 - 125	55500		9810		50000	91		P
Manganese	ug/L	75 - 125	4810		642		5000	83		P
Nickel	ug/L	75 - 125	463		10.3		500	91		P
Potassium	ug/L	75 - 125	29100		8190		25000	83		P
Selenium	ug/L	75 - 125	468		5.00	U	500	94		P
Silver	ug/L	75 - 125	85.3		1.00	U	500	17	N	P
Sodium	ug/L	75 - 125	53100		6520		50000	93		P
Thallium	ug/L	75 - 125	459		0.39	J	500	92		P
Vanadium	ug/L	75 - 125	471		0.17	J	500	94		P
Zinc	ug/L	75 - 125	4430		1.38	J	5000	89		P

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MATRIX SPIKE DUPLICATE SUMMARY

client: JACOBS Engineering Group, Inc. **level:** low **sdg no.:** Q2842

contract: JACO05 **lab code:** ACE

matrix: Water **sample id:** Q2842-09 **client id:** MW-17B-55.5-08122025MSD

Percent Solids for Sample: NA **Spiked ID:** Q2842-11 **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Aluminum	ug/L	75 - 125	8320		12.3	J	10000	83		P
Antimony	ug/L	75 - 125	467		0.23	J	500	93		P
Arsenic	ug/L	75 - 125	494		0.54	J	500	99		P
Barium	ug/L	75 - 125	2520		431		2500	83		P
Beryllium	ug/L	75 - 125	469		1.00	U	500	94		P
Cadmium	ug/L	75 - 125	462		1.00	U	500	92		P
Calcium	ug/L	75 - 125	72600		31900		50000	81		P
Chromium	ug/L	75 - 125	457		2.00	U	500	91		P
Cobalt	ug/L	75 - 125	465		8.13		500	91		P
Copper	ug/L	75 - 125	4300		2.00	U	5000	86		P
Iron	ug/L	75 - 125	26700		7020		25000	79		P
Lead	ug/L	75 - 125	2270		1.00	U	2500	91		P
Magnesium	ug/L	75 - 125	55800		9810		50000	92		P
Manganese	ug/L	75 - 125	4930		642		5000	86		P
Nickel	ug/L	75 - 125	462		10.3		500	90		P
Potassium	ug/L	75 - 125	28700		8190		25000	82		P
Selenium	ug/L	75 - 125	468		5.00	U	500	94		P
Silver	ug/L	75 - 125	82.8		1.00	U	500	17	N	P
Sodium	ug/L	75 - 125	53300		6520		50000	94		P
Thallium	ug/L	75 - 125	454		0.39	J	500	91		P
Vanadium	ug/L	75 - 125	472		0.17	J	500	94		P
Zinc	ug/L	75 - 125	4430		1.38	J	5000	89		P

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POST DIGEST SPIKE SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE

Matrix: Water **Level:** LOW **Client ID:** MW-17B-55.5-08122025A

Sample ID: Q2842-03 **Spiked ID:** Q2842-03A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Silver	ug/L	75 - 125	85.7		1.00	U	500	17	N	P

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DUPLICATE SAMPLE SUMMARY

Client: JACOBS Engineering Group, Inc. **Level:** LOW **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2842-03 **Client ID:** MW-17B-55.5-08122025DUP

Percent Solids for Sample: NA **Duplicate ID** Q2842-03DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	31.8		30.1		5		P
Antimony	ug/L	20	0.22	J	0.20	J	10		P
Arsenic	ug/L	20	0.63	J	0.64	J	2		P
Barium	ug/L	20	448		436		3		P
Beryllium	ug/L	20	1.00	U	1.00	U			P
Cadmium	ug/L	20	1.00	U	1.00	U			P
Calcium	ug/L	20	29600		28900		2		P
Chromium	ug/L	20	2.00	U	0.31	J	200.0		P
Cobalt	ug/L	20	8.23		8.18		1		P
Copper	ug/L	20	2.00	U	2.00	U			P
Iron	ug/L	20	7590		7560		0		P
Lead	ug/L	20	0.61	J	1.00	U	200.0		P
Magnesium	ug/L	20	9260		9200		1		P
Manganese	ug/L	20	618		617		0		P
Nickel	ug/L	20	11.3		11.1		2		P
Mercury	ug/L	20	0.20	U	0.20	U			CV
Potassium	ug/L	20	7950		8030		1		P
Selenium	ug/L	20	5.00	U	5.00	U			P
Silver	ug/L	20	1.00	U	1.00	U			P
Sodium	ug/L	20	6170		6120		1		P
Thallium	ug/L	20	0.21	J	0.19	J	10		P
Vanadium	ug/L	20	0.29	J	0.29	J	0		P
Zinc	ug/L	20	3.08	J	3.40	J	10		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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DUPLICATE SAMPLE SUMMARY

Client: JACOBS Engineering Group, Inc. **Level:** LOW **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2842-04 **Client ID:** MW-17B-55.5-08122025MSD

Percent Solids for Sample: NA **Duplicate ID** Q2842-05 **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	8440		8470		0		P
Antimony	ug/L	20	464		482		4		P
Arsenic	ug/L	20	489		467		5		P
Barium	ug/L	20	2580		2650		3		P
Beryllium	ug/L	20	485		489		1		P
Cadmium	ug/L	20	473		484		2		P
Calcium	ug/L	20	73500		74200		1		P
Chromium	ug/L	20	456		455		0		P
Cobalt	ug/L	20	476		481		1		P
Copper	ug/L	20	4350		4370		0		P
Iron	ug/L	20	28900		29000		0		P
Lead	ug/L	20	2320		2370		2		P
Magnesium	ug/L	20	55100		55000		0		P
Manganese	ug/L	20	4900		4960		1		P
Nickel	ug/L	20	478		483		1		P
Mercury	ug/L	20	3.75		3.89		4		CV
Potassium	ug/L	20	29700		29900		1		P
Selenium	ug/L	20	475		469		1		P
Silver	ug/L	20	85.3		87.6		3		P
Sodium	ug/L	20	52200		51900		1		P
Thallium	ug/L	20	462		477		3		P
Vanadium	ug/L	20	467		476		2		P
Zinc	ug/L	20	4520		4550		1		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

- 6 -
DUPLICATE SAMPLE SUMMARY

Client: JACOBS Engineering Group, Inc. **Level:** LOW **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2842-10 **Client ID:** MW-17B-55.5-08122025MSD

Percent Solids for Sample: NA **Duplicate ID** Q2842-11 **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Aluminum	ug/L	20	8320		8320		0		P
Antimony	ug/L	20	474		467		1		P
Arsenic	ug/L	20	492		494		0		P
Barium	ug/L	20	2600		2520		3		P
Beryllium	ug/L	20	474		469		1		P
Cadmium	ug/L	20	473		462		2		P
Calcium	ug/L	20	72300		72600		0		P
Chromium	ug/L	20	459		457		0		P
Cobalt	ug/L	20	475		465		2		P
Copper	ug/L	20	4250		4300		1		P
Iron	ug/L	20	27000		26700		1		P
Lead	ug/L	20	2300		2270		1		P
Magnesium	ug/L	20	55500		55800		1		P
Manganese	ug/L	20	4810		4930		2		P
Nickel	ug/L	20	463		462		0		P
Potassium	ug/L	20	29100		28700		1		P
Selenium	ug/L	20	468		468		0		P
Silver	ug/L	20	85.3		82.8		3		P
Sodium	ug/L	20	53100		53300		0		P
Thallium	ug/L	20	459		454		1		P
Vanadium	ug/L	20	471		472		0		P
Zinc	ug/L	20	4430		4430		0		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169249BS							
Mercury	ug/L	4.0	4.19		105	82 - 119	CV

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Metals

LABORATORY CONTROL SAMPLE SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169250BS							
Aluminum	ug/L	10000	9810		98	80 - 120	P
Antimony	ug/L	500	502		100	80 - 120	P
Arsenic	ug/L	500	486		97	80 - 120	P
Barium	ug/L	2500	2530		101	80 - 120	P
Beryllium	ug/L	500	493		99	80 - 120	P
Cadmium	ug/L	500	511		102	80 - 120	P
Calcium	ug/L	50000	50400		101	80 - 120	P
Chromium	ug/L	500	485		97	80 - 120	P
Cobalt	ug/L	500	488		98	80 - 120	P
Copper	ug/L	5000	5000		100	80 - 120	P
Iron	ug/L	25000	25700		103	80 - 120	P
Lead	ug/L	2500	2420		97	80 - 120	P
Magnesium	ug/L	50000	48900		98	80 - 120	P
Manganese	ug/L	5000	4890		98	80 - 120	P
Nickel	ug/L	500	488		98	80 - 120	P
Potassium	ug/L	25000	24600		98	80 - 120	P
Selenium	ug/L	500	505		101	80 - 120	P
Silver	ug/L	500	517		103	80 - 120	P
Sodium	ug/L	50000	50200		100	80 - 120	P
Thallium	ug/L	500	488		98	80 - 120	P
Vanadium	ug/L	500	485		97	80 - 120	P
Zinc	ug/L	5000	4950		99	80 - 120	P

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: ACE SDG No.: Q2842

Instrument ID: P7 Start Date : 08/15/2025

Run Number: LB136861 End Date : 08/15/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
S0	S0	1234	100		100		100		100		100	
S2	S2	1248	103		101		94		100		102	
S3	S3	1251	105		103		94		102		103	
S4	S4	1254	106		102		95		101		103	
S5	S5	1257	105		100		94		101		104	
S6	S6	1300	104		100		94		100		102	
S7	S7	1303	105		102		98		102		107	
S8	S8	1306	107		104		98		98		107	
ICV01	ICV01	1322	99		104		98		105		102	
LLICV01	LLICV01	1340	99		104		98		105		102	
ICB01	ICB01	1343	100		106		98		105		104	
ICSA01	ICSA01	1346	97		103		101		107		108	
ICSAB01	ICSAB01	1350	89		105		103		107		111	
CCV01	CCV01	1353	90		107		105		106		112	
CCB01	CCB01	1356	88		103		99		106		103	
CRI	CRI	1403	90		102		98		105		103	
ZZZZZZ	ZZZZZZ	1410										
ZZZZZZ	ZZZZZZ	1413										
ZZZZZZ	ZZZZZZ	1419										
ZZZZZZ	ZZZZZZ	1423										
ZZZZZZ	ZZZZZZ	1426										
ZZZZZZ	ZZZZZZ	1429										
ZZZZZZ	ZZZZZZ	1432										
ZZZZZZ	ZZZZZZ	1435										
ZZZZZZ	ZZZZZZ	1438										
CCV02	CCV02	1441	93		108		104		107		110	
CCB02	CCB02	1444	90		105		100		106		104	
ZZZZZZ	ZZZZZZ	1450										
ZZZZZZ	ZZZZZZ	1453										
ZZZZZZ	ZZZZZZ	1456										
Q2842-03	MW-17B-55.5	1500	97		119		115		121		115	
Q2842-03DUP	MW-17B-55.5	1503	97		120		116		120		116	
Q2842-03L	MW-17B-55.5	1506	88		106		103		109		105	
Q2842-04	MW-17B-55.5	1509	99		119		114		119		120	
Q2842-05	MW-17B-55.5	1512	97		117		115		118		117	
Q2842-03A	MW-17B-55.5	1515	97		118		114		120		118	

Internal Standard %RI Limit: 70 - 130

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: ACE SDG No.: Q2842

Instrument ID: P7 Start Date : 08/15/2025

Run Number: LB136861 End Date : 08/15/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
Q2842-09	MW-17B-55.5	1518	97		116		115		120		118	
CCV03	CCV03	1521	91		108		105		106		109	
CCB03	CCB03	1524	91		102		99		106		103	
Q2842-10	MW-17B-55.5	1527	105		121		114		121		120	
Q2842-11	MW-17B-55.5	1530	102		119		114		119		121	
ZZZZZZ	ZZZZZZ	1532										
ZZZZZZ	ZZZZZZ	1536										
ZZZZZZ	ZZZZZZ	1539										
ZZZZZZ	ZZZZZZ	1542										
ZZZZZZ	ZZZZZZ	1545										
ZZZZZZ	ZZZZZZ	1549										
ZZZZZZ	ZZZZZZ	1552										
ZZZZZZ	ZZZZZZ	1555										
CCV04	CCV04	1558	99		115		110		111		115	
CCB04	CCB04	1610	89		101		101		108		110	

Internal Standard %RI Limit: 70 - 130

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: ACE SDG No.: Q2842

Instrument ID: P7 Start Date : 08/15/2025

Run Number: LB136861 End Date : 08/15/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
S0	S0	1234	100		100		100		100		100	
S2	S2	1248	100		94		99		100		98	
S3	S3	1251	102		95		101		102		101	
S4	S4	1254	102		94		100		101		101	
S5	S5	1257	101		94		100		101		101	
S6	S6	1300	104		98		102		103		104	
S7	S7	1303	102		96		100		105		104	
S8	S8	1306	106		100		98		106		106	
ICV01	ICV01	1322	104		98		104		103		103	
LLICV01	LLICV01	1340	103		98		103		103		101	
ICB01	ICB01	1343	104		100		105		105		103	
ICSA01	ICSA01	1346	105		101		105		108		107	
ICSAB01	ICSAB01	1350	107		103		107		109		109	
CCV01	CCV01	1353	110		106		106		111		109	
CCB01	CCB01	1356	104		100		105		103		102	
CRI	CRI	1403	103		100		105		104		103	
ZZZZZZ	ZZZZZZ	1410										
ZZZZZZ	ZZZZZZ	1413										
ZZZZZZ	ZZZZZZ	1419										
ZZZZZZ	ZZZZZZ	1423										
ZZZZZZ	ZZZZZZ	1426										
ZZZZZZ	ZZZZZZ	1429										
ZZZZZZ	ZZZZZZ	1432										
ZZZZZZ	ZZZZZZ	1435										
ZZZZZZ	ZZZZZZ	1438										
CCV02	CCV02	1441	108		105		106		109		107	
CCB02	CCB02	1444	104		102		106		104		102	
ZZZZZZ	ZZZZZZ	1450										
ZZZZZZ	ZZZZZZ	1453										
ZZZZZZ	ZZZZZZ	1456										
Q2842-03	MW-17B-55.5	1500	118		115		120		119		116	
Q2842-03DUP	MW-17B-55.5	1503	117		113		119		117		117	
Q2842-03L	MW-17B-55.5	1506	108		105		111		109		106	
Q2842-04	MW-17B-55.5	1509	117		114		118		118		118	
Q2842-05	MW-17B-55.5	1512	116		114		116		118		117	
Q2842-03A	MW-17B-55.5	1515	117		114		119		119		119	

Internal Standard %RI Limit: 70 - 130

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: ACE SDG No.: Q2842

Instrument ID: P7 Start Date : 08/15/2025

Run Number: LB136861 End Date : 08/15/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
Q2842-09	MW-17B-55.5	1518	116		113		120		118		116	
CCV03	CCV03	1521	108		105		106		110		107	
CCB03	CCB03	1524	103		101		105		104		100	
Q2842-10	MW-17B-55.5	1527	118		113		119		119		117	
Q2842-11	MW-17B-55.5	1530	118		113		118		121		118	
ZZZZZZ	ZZZZZZ	1532										
ZZZZZZ	ZZZZZZ	1536										
ZZZZZZ	ZZZZZZ	1539										
ZZZZZZ	ZZZZZZ	1542										
ZZZZZZ	ZZZZZZ	1545										
ZZZZZZ	ZZZZZZ	1549										
ZZZZZZ	ZZZZZZ	1552										
ZZZZZZ	ZZZZZZ	1555										
CCV04	CCV04	1558	115		111		110		115		113	
CCB04	CCB04	1610	103		101		108		107		104	

Internal Standard %RI Limit: 70 - 130

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: ACE SDG No.: Q2842

Instrument ID: P7 Start Date : 08/21/2025

Run Number: LB136916 End Date : 08/21/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 6Li	Q	Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q
S0	S0	1133	100		100		100		100		100	
S2	S2	1139	106		103		101		103		101	
S3	S3	1143	108		102		102		102		100	
S4	S4	1146	107		101		101		100		100	
S5	S5	1149	109		102		102		100		104	
S6	S6	1152	110		103		104		100		106	
S7	S7	1154	108		103		103		99		106	
S8	S8	1157	107		103		103		95		104	
ICV01	ICV01	1215	105		99		98		98		98	
LLICV01	LLICV01	1226	103		97		98		98		99	
ICB01	ICB01	1229	103		99		100		97		98	
ICSA01	ICSA01	1233	104		99		103		98		105	
ICSAB01	ICSAB01	1236	102		101		103		100		104	
CCV01	CCV01	1239	104		105		107		101		106	
CCB01	CCB01	1244	99		102		104		103		101	
CRI	CRI	1248	99		101		104		102		101	
CCV02	CCV02	1340	107		103		104		98		103	
CCB02	CCB02	1343	103		99		100		100		98	
PB169250BL	PB169250BL	1346	101		98		99		98		98	
PB169250BS	PB169250BS	1350	105		103		102		99		102	
ZZZZZZ	ZZZZZZ	1352										
ZZZZZZ	ZZZZZZ	1356										
ZZZZZZ	ZZZZZZ	1358										
ZZZZZZ	ZZZZZZ	1402										
ZZZZZZ	ZZZZZZ	1405										
ZZZZZZ	ZZZZZZ	1408										
ZZZZZZ	ZZZZZZ	1411										
ZZZZZZ	ZZZZZZ	1414										
CCV03	CCV03	1432	103		107		107		99		105	
CCB03	CCB03	1434	100		99		100		98		99	

Internal Standard %RI Limit: 70 - 130

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FORM 8A

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: ACE SDG No.: Q2842

Instrument ID: P7 Start Date : 08/21/2025

Run Number: LB136916 End Date : 08/21/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 45Sc	Q	Element 89Y	Q	Element 103Rh	Q	Element 159Tb	Q	Element 165Ho	Q
S0	S0	1133	100		100		100		100		100	
S2	S2	1139	103		103		103		102		103	
S3	S3	1143	103		102		102		103		102	
S4	S4	1146	101		99		101		101		102	
S5	S5	1149	101		100		98		103		103	
S6	S6	1152	102		101		100		101		104	
S7	S7	1154	105		104		102		107		107	
S8	S8	1157	107		105		98		105		108	
ICV01	ICV01	1215	99		97		99		98		101	
LLICV01	LLICV01	1226	99		100		101		101		101	
ICB01	ICB01	1229	97		100		99		100		101	
ICSA01	ICSA01	1233	101		102		100		102		104	
ICSAB01	ICSAB01	1236	104		103		101		105		107	
CCV01	CCV01	1239	111		111		105		108		110	
CCB01	CCB01	1244	103		104		105		103		104	
CRI	CRI	1248	103		103		103		102		103	
CCV02	CCV02	1340	106		105		99		106		108	
CCB02	CCB02	1343	99		100		99		101		103	
PB169250BL	PB169250BL	1346	98		98		97		97		101	
PB169250BS	PB169250BS	1350	105		106		102		106		108	
ZZZZZZ	ZZZZZZ	1352										
ZZZZZZ	ZZZZZZ	1356										
ZZZZZZ	ZZZZZZ	1358										
ZZZZZZ	ZZZZZZ	1402										
ZZZZZZ	ZZZZZZ	1405										
ZZZZZZ	ZZZZZZ	1408										
ZZZZZZ	ZZZZZZ	1411										
ZZZZZZ	ZZZZZZ	1414										
CCV03	CCV03	1432	106		104		99		103		107	
CCB03	CCB03	1434	100		101		99		100		105	

Internal Standard %RI Limit: 70 - 130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc.
Contract: JACO05
Lab Code: ACE
SDG No.: Q2842
Instrument ID: P7
Start Date : 08/15/2025
Run Number: LB136861
End Date : 08/15/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
S0	S0	1234	100		100							
S2	S2	1248	101		99							
S3	S3	1251	103		102							
S4	S4	1254	102		103							
S5	S5	1257	103		102							
S6	S6	1300	103		104							
S7	S7	1303	106		104							
S8	S8	1306	107		97							
ICV01	ICV01	1322	102		101							
LLICV01	LLICV01	1340	102		100							
ICB01	ICB01	1343	102		102							
ICSA01	ICSA01	1346	107		100							
ICSAB01	ICSAB01	1350	108		101							
CCV01	CCV01	1353	110		102							
CCB01	CCB01	1356	103		100							
CRI	CRI	1403	102		101							
ZZZZZZ	ZZZZZZ	1410										
ZZZZZZ	ZZZZZZ	1413										
ZZZZZZ	ZZZZZZ	1419										
ZZZZZZ	ZZZZZZ	1423										
ZZZZZZ	ZZZZZZ	1426										
ZZZZZZ	ZZZZZZ	1429										
ZZZZZZ	ZZZZZZ	1432										
ZZZZZZ	ZZZZZZ	1435										
ZZZZZZ	ZZZZZZ	1438										
CCV02	CCV02	1441	108		100							
CCB02	CCB02	1444	103		98							
ZZZZZZ	ZZZZZZ	1450										
ZZZZZZ	ZZZZZZ	1453										
ZZZZZZ	ZZZZZZ	1456										
Q2842-03	MW-17B-55.5-	1500	117		110							
Q2842-03DUP	MW-17B-55.5-	1503	116		110							
Q2842-03L	MW-17B-55.5-	1506	103		102							
Q2842-04	MW-17B-55.5-	1509	117		112							

Internal Standard %RI Limit: 70 -130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: ACE SDG No.: Q2842

Instrument ID: P7 Start Date : 08/15/2025

Run Number: LB136861 End Date : 08/15/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
Q2842-05	MW-17B-55.5-	1512	116		110							
Q2842-03A	MW-17B-55.5-	1515	118		112							
Q2842-09	MW-17B-55.5-	1518	116		112							
CCV03	CCV03	1521	107		97							
CCB03	CCB03	1524	101		99							
Q2842-10	MW-17B-55.5-	1527	119		114							
Q2842-11	MW-17B-55.5-	1530	119		115							
ZZZZZZ	ZZZZZZ	1532										
ZZZZZZ	ZZZZZZ	1536										
ZZZZZZ	ZZZZZZ	1539										
ZZZZZZ	ZZZZZZ	1542										
ZZZZZZ	ZZZZZZ	1545										
ZZZZZZ	ZZZZZZ	1549										
ZZZZZZ	ZZZZZZ	1552										
ZZZZZZ	ZZZZZZ	1555										
CCV04	CCV04	1558	112		105							
CCB04	CCB04	1610	108		105							

Internal Standard %RI Limit: 70 -130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: ACE SDG No.: Q2842

Instrument ID: P7 Start Date : 08/15/2025

Run Number: LB136861 End Date : 08/15/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
S0	S0	1234	100									
S2	S2	1248	99									
S3	S3	1251	101									
S4	S4	1254	101									
S5	S5	1257	100									
S6	S6	1300	103									
S7	S7	1303	101									
S8	S8	1306	96									
ICV01	ICV01	1322	103									
LLICV01	LLICV01	1340	103									
ICB01	ICB01	1343	103									
ICSA01	ICSA01	1346	102									
ICSAB01	ICSAB01	1350	104									
CCV01	CCV01	1353	101									
CCB01	CCB01	1356	102									
CRI	CRI	1403	103									
ZZZZZZ	ZZZZZZ	1410										
ZZZZZZ	ZZZZZZ	1413										
ZZZZZZ	ZZZZZZ	1419										
ZZZZZZ	ZZZZZZ	1423										
ZZZZZZ	ZZZZZZ	1426										
ZZZZZZ	ZZZZZZ	1429										
ZZZZZZ	ZZZZZZ	1432										
ZZZZZZ	ZZZZZZ	1435										
ZZZZZZ	ZZZZZZ	1438										
CCV02	CCV02	1441	101									
CCB02	CCB02	1444	101									
ZZZZZZ	ZZZZZZ	1450										
ZZZZZZ	ZZZZZZ	1453										
ZZZZZZ	ZZZZZZ	1456										
Q2842-03	MW-17B-55.5-	1500	115									
Q2842-03DUP	MW-17B-55.5-	1503	114									
Q2842-03L	MW-17B-55.5-	1506	105									
Q2842-04	MW-17B-55.5-	1509	114									

Internal Standard %RI Limit: 70 -130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: ACE SDG No.: Q2842

Instrument ID: P7 Start Date : 08/15/2025

Run Number: LB136861 End Date : 08/15/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
Q2842-05	MW-17B-55.5-	1512	113									
Q2842-03A	MW-17B-55.5-	1515	113									
Q2842-09	MW-17B-55.5-	1518	115									
CCV03	CCV03	1521	100									
CCB03	CCB03	1524	100									
Q2842-10	MW-17B-55.5-	1527	116									
Q2842-11	MW-17B-55.5-	1530	115									
ZZZZZZ	ZZZZZZ	1532										
ZZZZZZ	ZZZZZZ	1536										
ZZZZZZ	ZZZZZZ	1539										
ZZZZZZ	ZZZZZZ	1542										
ZZZZZZ	ZZZZZZ	1545										
ZZZZZZ	ZZZZZZ	1549										
ZZZZZZ	ZZZZZZ	1552										
ZZZZZZ	ZZZZZZ	1555										
CCV04	CCV04	1558	106									
CCB04	CCB04	1610	106									

Internal Standard %RI Limit: 70 -130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: ACE SDG No.: Q2842

Instrument ID: P7 Start Date : 08/21/2025

Run Number: LB136916 End Date : 08/21/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Non-Collision Cell									
			Element 165Ho	Q	Element 209Bi	Q	Element	Q	Element	Q	Element	Q
S0	S0	1133	100		100							
S2	S2	1139	102		104							
S3	S3	1143	101		104							
S4	S4	1146	103		106							
S5	S5	1149	103		106							
S6	S6	1152	104		105							
S7	S7	1154	106		105							
S8	S8	1157	103		98							
ICV01	ICV01	1215	99		101							
LLICV01	LLICV01	1226	99		101							
ICB01	ICB01	1229	99		102							
ICSA01	ICSA01	1233	105		103							
ICSAB01	ICSAB01	1236	106		102							
CCV01	CCV01	1239	107		104							
CCB01	CCB01	1244	101		104							
CRI	CRI	1248	103		103							
CCV02	CCV02	1340	106		102							
CCB02	CCB02	1343	102		101							
PB169250BL	PB169250BL	1346	99		99							
PB169250BS	PB169250BS	1350	104		102							
ZZZZZZ	ZZZZZZ	1352										
ZZZZZZ	ZZZZZZ	1356										
ZZZZZZ	ZZZZZZ	1358										
ZZZZZZ	ZZZZZZ	1402										
ZZZZZZ	ZZZZZZ	1405										
ZZZZZZ	ZZZZZZ	1408										
ZZZZZZ	ZZZZZZ	1411										
ZZZZZZ	ZZZZZZ	1414										
CCV03	CCV03	1432	109		100							
CCB03	CCB03	1434	100		99							

Internal Standard %RI Limit: 70 -130

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FORM 8B

ICP-MS INTERNAL STANDARD RELATIVE INTENSITY SUMMARY

Client: JACOBS Engineering Group, Inc. Contract: JACO05

Lab Code: ACE SDG No.: Q2842

Instrument ID: P7 Start Date : 08/21/2025

Run Number: LB136916 End Date : 08/21/2025

Lab SampleID	Client SampleID	Time	Internal Standard %RI For: Collision Cell									
			Element 209Bi	Q	Element	Q	Element	Q	Element	Q	Element	Q
S0	S0	1133	100									
S2	S2	1139	104									
S3	S3	1143	104									
S4	S4	1146	102									
S5	S5	1149	102									
S6	S6	1152	103									
S7	S7	1154	103									
S8	S8	1157	99									
ICV01	ICV01	1215	101									
LLICV01	LLICV01	1226	102									
ICB01	ICB01	1229	103									
ICSA01	ICSA01	1233	101									
ICSAB01	ICSAB01	1236	101									
CCV01	CCV01	1239	103									
CCB01	CCB01	1244	104									
CRI	CRI	1248	103									
CCV02	CCV02	1340	102									
CCB02	CCB02	1343	102									
PB169250BL	PB169250BL	1346	100									
PB169250BS	PB169250BS	1350	103									
ZZZZZZ	ZZZZZZ	1352										
ZZZZZZ	ZZZZZZ	1356										
ZZZZZZ	ZZZZZZ	1358										
ZZZZZZ	ZZZZZZ	1402										
ZZZZZZ	ZZZZZZ	1405										
ZZZZZZ	ZZZZZZ	1408										
ZZZZZZ	ZZZZZZ	1411										
ZZZZZZ	ZZZZZZ	1414										
CCV03	CCV03	1432	97									
CCB03	CCB03	1434	99									

Internal Standard %RI Limit: 70 -130

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

MW-17B-55.5-08122025L

Lab Name: Alliance **Contract:** JACO05

Lab Code: ACE **Lb No.:** lb136861 **Lab Sample ID :** Q2842-03L **SDG No.:** Q2842

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

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	31.8		22.0	J	31		P
Antimony	0.22	J	10.0	U	100.0		P
Arsenic	0.63	J	0.60	J	5		P
Barium	448		455		2		P
Beryllium	1.00	U	5.00	U			P
Cadmium	1.00	U	5.00	U			P
Calcium	29600		30700		4		P
Chromium	2.00	U	10.0	U			P
Cobalt	8.23		8.25		0		P
Copper	2.00	U	10.0	U			P
Iron	7590		7950		5		P
Lead	0.61	J	5.00	U	100.0		P
Magnesium	9260		9290		0		P
Manganese	618		629		2		P
Nickel	11.3		11.7		4		P
Mercury	0.20	U	1.00	U			CV
Potassium	7950		8440		6		P
Selenium	5.00	U	25.0	U			P
Silver	1.00	U	5.00	U			P
Sodium	6170		6250		1		P
Thallium	0.21	J	5.00	U	100.0		P
Vanadium	0.29	J	25.0	U	100.0		P
Zinc	3.08	J	25.0	U	100.0		P

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metals
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ANALYSIS RUN LOG

Client: JACOBS Engineering Group, Inc. **Contract:** JACO05

Lab code: ACE **Sdg no.:** Q2842

Instrument id number: **Method:** **Run number:** LB136836

Start date: 08/15/2025 **End date:** 08/15/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1125	HG
S0.2	S0.2	1	1128	HG
S2.5	S2.5	1	1130	HG
S5	S5	1	1132	HG
S7.5	S7.5	1	1135	HG
S10	S10	1	1137	HG
ICV18	ICV18	1	1140	HG
ICB18	ICB18	1	1145	HG
CCV54	CCV54	1	1211	HG
CCB54	CCB54	1	1213	HG
CRA	CRA	1	1216	HG
PB169249BL	PB169249BL	1	1222	HG
PB169249BS	PB169249BS	1	1225	HG
CCV55	CCV55	1	1238	HG
CCB55	CCB55	1	1241	HG
Q2842-03	MW-17B-55.5-081225	1	1243	HG
Q2842-03DUP	MW-17B-55.5-081225DUP	1	1245	HG
Q2842-04	MW-17B-55.5-081225MS	1	1248	HG
Q2842-05	MW-17B-55.5-081225MSD	1	1250	HG
Q2842-03L	MW-17B-55.5-081225L	5	1304	HG
CCV56	CCV56	1	1309	HG
CCB56	CCB56	1	1311	HG
CCV57	CCV57	1	1315	HG
CCB57	CCB57	1	1318	HG

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metals
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ANALYSIS RUN LOG

Client: JACOBS Engineering Group, Inc. **Contract:** JACO05

Lab code: ACE **Sdg no.:** Q2842

Instrument id number: **Method:** **Run number:** LB136861

Start date: 08/15/2025 **End date:** 08/15/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1234	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1248	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1251	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1254	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1257	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S6	S6	1	1300	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S7	S7	1	1303	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S8	S8	1	1306	Fe,Al,Ca,K,Mg,Na
ICV01	ICV01	1	1322	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1340	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1343	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1346	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1350	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1353	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1356	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI	CRI	1	1403	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1441	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1444	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2842-03	MW-17B-55.5-081225	1	1500	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2842-03DUP	MW-17B-55.5-08122025DUP	1	1503	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2842-03L	MW-17B-55.5-08122025L	5	1506	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2842-04	MW-17B-55.5-08122025MS	1	1509	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2842-05	MW-17B-55.5-08122025MSD	1	1512	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2842-03A	MW-17B-55.5-08122025A	1	1515	Ag
Q2842-09	MW-17B-55.5-081225	1	1518	Fe
CCV03	CCV03	1	1521	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1524	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2842-10	MW-17B-55.5-08122025MS	1	1527	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
Q2842-11	MW-17B-55.5-08122025MSD	1	1530	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1558	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1610	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV05	CCV05	1	1639	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB05	CCB05	1	1650	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

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metals
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ANALYSIS RUN LOG

Client: JACOBS Engineering Group, Inc. **Contract:** JACO05

Lab code: ACE **Sdg no.:** Q2842

Instrument id number: **Method:** **Run number:** LB136916

Start date: 08/21/2025 **End date:** 08/21/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1133	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S2	S2	1	1139	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S3	S3	1	1143	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S4	S4	1	1146	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S5	S5	1	1149	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S6	S6	1	1152	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S7	S7	1	1154	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
S8	S8	1	1157	Fe,Al,Ca,K,Mg,Na
ICV01	ICV01	1	1215	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
LLICV01	LLICV01	1	1226	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICB01	ICB01	1	1229	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSA01	ICSA01	1	1233	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
ICSAB01	ICSAB01	1	1236	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV01	CCV01	1	1239	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB01	CCB01	1	1244	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CRI	CRI	1	1248	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV02	CCV02	1	1340	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB02	CCB02	1	1343	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB169250BL	PB169250BL	1	1346	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
PB169250BS	PB169250BS	1	1350	Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,Fe,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV03	CCV03	1	1432	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB03	CCB03	1	1434	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCV04	CCV04	1	1512	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn
CCB04	CCB04	1	1518	Fe,Ag,Al,As,Ba,Be,Ca,Cd,Co,Cr,Cu,K,Mg,Mn,Na,Ni,Pb,Sb,Se,Tl,V,Zn

METAL PREPARATION & INSTRUMENT DATA

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LAB CHRONICLE

OrderID:	Q2842	**OrderDate:**	8/13/2025 8:34:00 AM
Client:	JACOBS Engineering Group, Inc.	**Project:**	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	**Location:**	J23,J32,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2842-03	**MW-17B-55.5-081225**	**Water**			**08/12/25**			**08/12/25**
			Mercury	7470A		08/14/25	08/15/25	
			Metals ICP-TAL	6020B		08/14/25	08/15/25	
Q2842-09	**MW-17B-55.5-081225**	**Water**			**08/12/25**			**08/12/25**
			Dissolved ICP-Group2	6020B		08/14/25	08/15/25	

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
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SAMPLE PREPARATION SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB169249**						
PB169249BL	PB169249BL	MB	WATER	08/14/2025	30.0	30.0	
PB169249BS	PB169249BS	LCS	WATER	08/14/2025	30.0	30.0	
Q2842-03	MW-17B-55.5-081225	SAM	WATER	08/14/2025	30.0	30.0	
Q2842-03DUP	MW-17B-55.5-081225DUP	DUP	WATER	08/14/2025	30.0	30.0	
Q2842-04	MW-17B-55.5-081225MS	MS	WATER	08/14/2025	30.0	30.0	
Q2842-05	MW-17B-55.5-081225MSD	MSD	WATER	08/14/2025	30.0	30.0	

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Metals
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SAMPLE PREPARATION SUMMARY

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Contract: JACO05 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB169250**						
PB169250BL	PB169250BL	MB	WATER	08/14/2025	50.0	50.0	
PB169250BS	PB169250BS	LCS	WATER	08/14/2025	50.0	50.0	
Q2842-03	MW-17B-55.5-081225	SAM	WATER	08/14/2025	50.0	50.0	
Q2842-03DUP	MW-17B-55.5-08122025DUP	DUP	WATER	08/14/2025	50.0	50.0	
Q2842-04	MW-17B-55.5-08122025MS	MS	WATER	08/14/2025	50.0	50.0	
Q2842-05	MW-17B-55.5-08122025MSD	MSD	WATER	08/14/2025	50.0	50.0	
Q2842-09	MW-17B-55.5-081225	SAM	WATER	08/14/2025	50.0	50.0	
Q2842-10	MW-17B-55.5-08122025MS	MS	WATER	08/14/2025	50.0	50.0	
Q2842-11	MW-17B-55.5-08122025MSD	MSD	WATER	08/14/2025	50.0	50.0	

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Fax : 908 789 8922

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB136836

Review By	sagar	Review On	8/15/2025 2:04:25 PM
Supervise By	jaswal	Supervise On	8/17/2025 11:19:34 PM

STD. NAME	STD REF.#
ICAL Standard	MP86771,MP86772,MP86773,MP86774,MP86775,MP86776
ICV Standard	MP86777
CCV Standard	MP86779
ICSA Standard	
CRI Standard	MP86782
LCS Standard	
Chk Standard	MP86778,MP86781,MP86783,MP86786

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	08/15/25 11:25		sagar	OK
2	S0.2	S0.2	CAL2	08/15/25 11:28		sagar	OK
3	S2.5	S2.5	CAL3	08/15/25 11:30		sagar	OK
4	S5	S5	CAL4	08/15/25 11:32		sagar	OK
5	S7.5	S7.5	CAL5	08/15/25 11:35		sagar	OK
6	S10	S10	CAL6	08/15/25 11:37		sagar	OK
7	ICV18	ICV18	ICV	08/15/25 11:40		sagar	OK
8	ICB18	ICB18	ICB	08/15/25 11:45		sagar	OK
9	CCV54	CCV54	CCV	08/15/25 12:11		sagar	OK
10	CCB54	CCB54	CCB	08/15/25 12:13		sagar	OK
11	CRA	CRA	CRDL	08/15/25 12:16		sagar	OK
12	HighStd	HighStd	HIGH STD	08/15/25 12:18		sagar	OK
13	ChkStd	ChkStd	SAM	08/15/25 12:20		sagar	OK
14	PB169249BL	PB169249BL	MB	08/15/25 12:22		sagar	OK
15	PB169249BS	PB169249BS	LCS	08/15/25 12:25		sagar	OK
16	Q2814-22	TW-84SB-E	SAM	08/15/25 12:27		sagar	OK
17	Q2814-23	TW-17M-W	SAM	08/15/25 12:29		sagar	OK
18	Q2815-25	TW-11M-W	SAM	08/15/25 12:32		sagar	OK

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Fax : 908 789 8922

Instrument ID: CV1

Daily Analysis Runlog For Sequence/QCBatch ID # LB136836

Review By	sagar	Review On	8/15/2025 2:04:25 PM
Supervise By	jaswal	Supervise On	8/17/2025 11:19:34 PM

STD. NAME	STD REF.#
ICAL Standard	MP86771,MP86772,MP86773,MP86774,MP86775,MP86776
ICV Standard	MP86777
CCV Standard	MP86779
ICSA Standard	
CRI Standard	MP86782
LCS Standard	
Chk Standard	MP86778,MP86781,MP86783,MP86786

19	Q2837-01	TW-WTS-13	SAM	08/15/25 12:34		sagar	OK
20	Q2840-03	0804-E	SAM	08/15/25 12:36		sagar	OK
21	CCV55	CCV55	CCV	08/15/25 12:38		sagar	OK
22	CCB55	CCB55	CCB	08/15/25 12:41		sagar	OK
23	Q2842-03	MW-17B-55.5-081225	SAM	08/15/25 12:43		sagar	OK
24	Q2842-03DUP	MW-17B-55.5-081225	DUP	08/15/25 12:45		sagar	OK
25	Q2842-04	MW-17B-55.5-081225	MS	08/15/25 12:48		sagar	OK
26	Q2842-05	MW-17B-55.5-081225	MSD	08/15/25 12:50		sagar	OK
27	Q2849-01	BUR-25-0071	SAM	08/15/25 12:52		sagar	OK
28	Q2856-01	#452	SAM	08/15/25 12:54		sagar	OK
29	Q2856-03	#456	SAM	08/15/25 12:57		sagar	OK
30	Q2857-01	4023	SAM	08/15/25 12:59		sagar	OK
31	Q2857-02	3919	SAM	08/15/25 13:01		sagar	OK
32	Q2842-03L	MW-17B-55.5-081225	SD	08/15/25 13:04		sagar	OK
33	CCV56	CCV56	CCV	08/15/25 13:09		sagar	OK
34	CCB56	CCB56	CCB	08/15/25 13:11		sagar	OK
35	Q2842-03A	MW-17B-55.5-081225	PS	08/15/25 13:13		sagar	OK
36	CCV57	CCV57	CCV	08/15/25 13:15		sagar	OK
37	CCB57	CCB57	CCB	08/15/25 13:18		sagar	OK

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Instrument ID: P7

Daily Analysis Runlog For Sequence/QCBatch ID # LB136861

Review By	Janvi	Review On	8/19/2025 10:53:11 AM
Supervise By	jaswal	Supervise On	8/19/2025 12:08:39 PM

STD. NAME	STD REF.#
ICAL Standard	MP86739,MP86789,MP86788,MP86745,MP86744,MP86743,MP86742,MP86741,MP86740
ICV Standard	MP86751,MP86788
CCV Standard	MP86794
ICSA Standard	MP86746,MP86747
CRI Standard	MP86788
LCS Standard	
Chk Standard	MP86750,MP86748

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	TUNE	TUNE	TUNE	08/15/25 11:48		Jaswal	OK
2	S0	S0	CAL1	08/15/25 12:34		Jaswal	OK
3	S2	S2	CAL3	08/15/25 12:48		Jaswal	OK
4	S3	S3	CAL4	08/15/25 12:51		Jaswal	OK
5	S4	S4	CAL5	08/15/25 12:54		Jaswal	OK
6	S5	S5	CAL6	08/15/25 12:57		Jaswal	OK
7	S6	S6	CAL7	08/15/25 13:00		Jaswal	OK
8	S7	S7	CAL8	08/15/25 13:03		Jaswal	OK
9	S8	S8	CAL9	08/15/25 13:06		Jaswal	OK
10	ICV01	ICV01	ICV	08/15/25 13:22		Jaswal	OK
11	LLICV01	LLICV01	LLICV	08/15/25 13:40		Jaswal	OK
12	ICB01	ICB01	ICB	08/15/25 13:43		Jaswal	OK
13	ICSA01	ICSA01	ICSA	08/15/25 13:46		Jaswal	OK
14	ICSAB01	ICSAB01	ICSAB	08/15/25 13:50		Jaswal	OK
15	CCV01	CCV01	CCV	08/15/25 13:53		Jaswal	OK
16	CCB01	CCB01	CCB	08/15/25 13:56		Jaswal	OK
17	CRI	CRI	CRDL	08/15/25 14:03		Jaswal	OK
18	PB169251BL	PB169251BL	MB	08/15/25 14:10		Jaswal	OK

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Instrument ID: P7

Daily Analysis Runlog For Sequence/QCBatch ID # LB136861

Review By	Janvi	Review On	8/19/2025 10:53:11 AM
Supervise By	jaswal	Supervise On	8/19/2025 12:08:39 PM

STD. NAME	STD REF.#
ICAL Standard	MP86739,MP86789,MP86788,MP86745,MP86744,MP86743,MP86742,MP86741,MP86740
ICV Standard	MP86751,MP86788
CCV Standard	MP86794
ICSA Standard	MP86746,MP86747
CRI Standard	MP86788
LCS Standard	
Chk Standard	MP86750,MP86748

19	PB169251BS	PB169251BS	LCS	08/15/25 14:13		Jaswal	OK
20	PB169194BL	PB169194BL	MB	08/15/25 14:19		Jaswal	OK
21	PB169194BS	PB169194BS	LCS	08/15/25 14:23		Jaswal	OK
22	Q2840-01	0804-SOIL	SAM	08/15/25 14:26		Jaswal	OK
23	Q2840-01DUP	0804-SOILDUP	DUP	08/15/25 14:29		Jaswal	OK
24	Q2840-01L	0804-SOILL	SD	08/15/25 14:32		Jaswal	OK
25	Q2840-01MS	0804-SOILMS	MS	08/15/25 14:35		Jaswal	OK
26	Q2840-01MSD	0804-SOILMSD	MSD	08/15/25 14:38		Jaswal	OK
27	CCV02	CCV02	CCV	08/15/25 14:41		Jaswal	OK
28	CCB02	CCB02	CCB	08/15/25 14:44		Jaswal	OK
29	Q2840-01A	0804-SOILA	PS	08/15/25 14:50	0.1 ML OF MP86790 AND 0.2ML OF EACH MP86791,MP86792,MP86 793 IN 10ML OF SAMPLE.	Jaswal	OK
30	Q2840-02	0804-D	SAM	08/15/25 14:53		Jaswal	OK
31	Q2840-03	0804-E	SAM	08/15/25 14:56		Jaswal	OK
32	Q2842-03	MW-17B-55.5-081225	SAM	08/15/25 15:00		Jaswal	OK
33	Q2842-03DUP	MW-17B-55.5-081225	DUP	08/15/25 15:03		Jaswal	OK
34	Q2842-03L	MW-17B-55.5-081225	SD	08/15/25 15:06		Jaswal	OK
35	Q2842-04	MW-17B-55.5-081220	MS	08/15/25 15:09		Jaswal	OK
36	Q2842-05	MW-17B-55.5-081220	MSD	08/15/25 15:12		Jaswal	OK

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Instrument ID: P7

Daily Analysis Runlog For Sequence/QCBatch ID # LB136861

Review By	Janvi	Review On	8/19/2025 10:53:11 AM
Supervise By	jaswal	Supervise On	8/19/2025 12:08:39 PM

STD. NAME	STD REF.#
ICAL Standard	MP86739,MP86789,MP86788,MP86745,MP86744,MP86743,MP86742,MP86741,MP86740
ICV Standard	MP86751,MP86788
CCV Standard	MP86794
ICSA Standard	MP86746,MP86747
CRI Standard	MP86788
LCS Standard	
Chk Standard	MP86750,MP86748

37	Q2842-03A	MW-17B-55.5-081225	PS	08/15/25 15:15	0.1 ML OF MP86790 AND 0.2ML OF EACH MP86791,MP86792,MP86793 IN 10ML OF SAMPLE.	Jaswal	OK
38	Q2842-09	MW-17B-55.5-081225	SAM	08/15/25 15:18		Jaswal	OK
39	CCV03	CCV03	CCV	08/15/25 15:21		Jaswal	OK
40	CCB03	CCB03	CCB	08/15/25 15:24		Jaswal	OK
41	Q2842-10	MW-17B-55.5-081220	MS	08/15/25 15:27		Jaswal	OK
42	Q2842-11	MW-17B-55.5-081220	MSD	08/15/25 15:30		Jaswal	OK
43	Q2849-01DL	BUR-25-0071DL	SAM	08/15/25 15:32	5X Report Straight Dilution	Jaswal	OK
44	Q2856-01	#452	SAM	08/15/25 15:36	Fe is High	Jaswal	Dilution
45	Q2856-03DL	#456DL	SAM	08/15/25 15:39	K is high ,5XReport Straight Dilution	Jaswal	Dilution
46	Q2865-03DL	LAW-25-0109DL	SAM	08/15/25 15:42	K is high , 5XReport Straight Dilution	Jaswal	Dilution
47	Q2867-01DL	Tre-2005DL	SAM	08/15/25 15:45	5XReport Straight Dilution	Jaswal	OK
48	Q2867-02DL	Tre-2006DL	SAM	08/15/25 15:49	5XReport Straight Dilution	Jaswal	OK
49	Q2869-01	MW-19B-71.5-081325	SAM	08/15/25 15:52		Jaswal	OK
50	Q2869-02	MW-19B-71.5-081325	SAM	08/15/25 15:55		Jaswal	OK
51	CCV04	CCV04	CCV	08/15/25 15:58		Jaswal	OK
52	CCB04	CCB04	CCB	08/15/25 16:10		Jaswal	OK
53	Q2869-05	MW-19B-71.5-081325	SAM	08/15/25 16:13		Jaswal	OK
54	Q2869-06	MW-19B-71.5-081325	SAM	08/15/25 16:16		Jaswal	OK

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Instrument ID: P7

Daily Analysis Runlog For Sequence/QCBatch ID # LB136861

Review By	Janvi	Review On	8/19/2025 10:53:11 AM
Supervise By	jaswal	Supervise On	8/19/2025 12:08:39 PM

STD. NAME	STD REF.#
ICAL Standard	MP86739,MP86789,MP86788,MP86745,MP86744,MP86743,MP86742,MP86741,MP86740
ICV Standard	MP86751,MP86788
CCV Standard	MP86794
ICSA Standard	MP86746,MP86747
CRI Standard	MP86788
LCS Standard	
Chk Standard	MP86750,MP86748

55	Q2869-07	EB01-081325	SAM	08/15/25 16:19		Jaswal	OK
56	Q2869-08	EB01-081325	SAM	08/15/25 16:23		Jaswal	OK
57	Q2840-03DL	0804-EDL	SAM	08/15/25 16:26	Not use	Jaswal	Not Ok
58	Q2856-01DL	#452DL	SAM	08/15/25 16:29	2X for Fe	Jaswal	Confirms
59	Q2856-03DL2	#456DL2	SAM	08/15/25 16:32	25X for K , Report Straight Dilution	Jaswal	Confirms
60	Q2865-03DL2	LAW-25-0109DL2	SAM	08/15/25 16:36	25X for K , Report Straight Dilution	Jaswal	Confirms
61	CCV05	CCV05	CCV	08/15/25 16:39		Jaswal	OK
62	CCB05	CCB05	CCB	08/15/25 16:50		Jaswal	OK

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Instrument ID: P7

Daily Analysis Runlog For Sequence/QCBatch ID # LB136916

Review By	Janvi	Review On	8/25/2025 10:29:28 AM
Supervise By	jaswal	Supervise On	8/25/2025 3:50:25 PM

STD. NAME	STD REF.#
ICAL Standard	MP86739,MP86789,MP86788,MP86745,MP86744,MP86743,MP86742,MP86741,MP86740
ICV Standard	MP86863,MP86788
CCV Standard	MP86794
ICSA Standard	MP86746,MP86747
CRI Standard	
LCS Standard	
Chk Standard	MP86750,MP86748

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	TUNE	TUNE	TUNE	08/21/25 10:59		Jaswal	OK
2	S0	S0	CAL1	08/21/25 11:33		Jaswal	OK
3	S2	S2	CAL3	08/21/25 11:39		Jaswal	OK
4	S3	S3	CAL4	08/21/25 11:43		Jaswal	OK
5	S4	S4	CAL5	08/21/25 11:46		Jaswal	OK
6	S5	S5	CAL6	08/21/25 11:49		Jaswal	OK
7	S6	S6	CAL7	08/21/25 11:52		Jaswal	OK
8	S7	S7	CAL8	08/21/25 11:54		Jaswal	OK
9	S8	S8	CAL9	08/21/25 11:57		Jaswal	OK
10	ICV01	ICV01	ICV	08/21/25 12:15		Jaswal	OK
11	LLICV01	LLICV01	LLICV	08/21/25 12:26		Jaswal	OK
12	ICB01	ICB01	ICB	08/21/25 12:29		Jaswal	OK
13	ICSA01	ICSA01	ICSA	08/21/25 12:33		Jaswal	OK
14	ICSAB01	ICSAB01	ICSAB	08/21/25 12:36		Jaswal	OK
15	CCV01	CCV01	CCV	08/21/25 12:39		Jaswal	OK
16	CCB01	CCB01	CCB	08/21/25 12:44		Jaswal	OK
17	CRI	CRI	CRDL	08/21/25 12:48		Jaswal	OK
18	Q2126-01	LOD-MDL-SOIL-03-Q	SAM	08/21/25 12:58		Jaswal	Not Ok

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Instrument ID: P7

Daily Analysis Runlog For Sequence/QCBatch ID # LB136916

Review By	Janvi	Review On	8/25/2025 10:29:28 AM
Supervise By	jaswal	Supervise On	8/25/2025 3:50:25 PM

STD. NAME	STD REF.#
ICAL Standard	MP86739,MP86789,MP86788,MP86745,MP86744,MP86743,MP86742,MP86741,MP86740
ICV Standard	MP86863,MP86788
CCV Standard	MP86794
ICSA Standard	MP86746,MP86747
CRI Standard	
LCS Standard	
Chk Standard	MP86750,MP86748

19	Q2126-16	LLOQ-SOIL-QT2-202	SAM	08/21/25 13:14		Jaswal	Not Ok
20	Q2126-02	LOQ-SOIL-02-QT2-20	LOQ	08/21/25 13:20		Jaswal	Not Ok
21	Q2126-01RE	LOD-MDL-SOIL-03-Q	SAM	08/21/25 13:27		Jaswal	Not Ok
22	Q2126-07	LOD-MDL-WATER-01	SAM	08/21/25 13:30		Jaswal	Not Ok
23	Q2126-08	LOQ-WATER-02-QT2	LOQ	08/21/25 13:34		Jaswal	Not Ok
24	Q2126-08RE	LOQ-WATER-02-QT2	SAM	08/21/25 13:37		Jaswal	Not Ok
25	CCV02	CCV02	CCV	08/21/25 13:40		Jaswal	OK
26	CCB02	CCB02	CCB	08/21/25 13:43		Jaswal	OK
27	PB169250BL	PB169250BL	MB	08/21/25 13:46		Jaswal	OK
28	PB169250BS	PB169250BS	LCS	08/21/25 13:50		Jaswal	OK
29	PB169323BL	PB169323BL	MB	08/21/25 13:52		Jaswal	OK
30	PB169323BS	PB169323BS	LCS	08/21/25 13:56		Jaswal	OK
31	Q2878-01	MW-18B-57.5-081325	SAM	08/21/25 13:58		Jaswal	OK
32	Q2878-01DUP	MW-18B-57.5-081325	DUP	08/21/25 14:02		Jaswal	OK
33	Q2878-01L	MW-18B-57.5-081325	SD	08/21/25 14:05		Jaswal	OK
34	Q2878-01MS	MW-18B-57.5-081325	MS	08/21/25 14:08		Jaswal	OK
35	Q2878-01MSD	MW-18B-57.5-081325	MSD	08/21/25 14:11		Jaswal	OK
36	Q2878-01A	MW-18B-57.5-081325	PS	08/21/25 14:14	0.1 ML OF MP86790 AND 0.2ML OF EACH MP86791,MP86792 AND MP86793 IN 10ML SAMPLE.	Jaswal	OK

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Instrument ID: P7

Daily Analysis Runlog For Sequence/QCBatch ID # LB136916

Review By	Janvi	Review On	8/25/2025 10:29:28 AM
Supervise By	jaswal	Supervise On	8/25/2025 3:50:25 PM

STD. NAME	STD REF.#
ICAL Standard	MP86739,MP86789,MP86788,MP86745,MP86744,MP86743,MP86742,MP86741,MP86740
ICV Standard	MP86863,MP86788
CCV Standard	MP86794
ICSA Standard	MP86746,MP86747
CRI Standard	
LCS Standard	
Chk Standard	MP86750,MP86748

37	CCV03	CCV03	CCV	08/21/25 14:32		Jaswal	OK
38	CCB03	CCB03	CCB	08/21/25 14:34		Jaswal	OK
39	Q2878-02	MW-18B-57.5-081325	SAM	08/21/25 14:39		Jaswal	OK
40	Q2890-01DL	60296DL	SAM	08/21/25 14:42		Jaswal	OK
41	Q2890-02DL	60295DL	SAM	08/21/25 14:45	Fe,Mn high	Jaswal	Dilution
42	Q2890-03DL	60272DL	SAM	08/21/25 14:48	K high	Jaswal	Dilution
43	Q2906-01DL	3409DL	SAM	08/21/25 14:51		Jaswal	OK
44	Q2890-02DL2	60295DL2	SAM	08/21/25 15:06	25X for Fe, Mn	Jaswal	Confirms
45	Q2890-03DL2	60272DL2	SAM	08/21/25 15:09	25X for K	Jaswal	Confirms
46	CCV04	CCV04	CCV	08/21/25 15:12		Jaswal	OK
47	CCB04	CCB04	CCB	08/21/25 15:18		Jaswal	OK

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB169249

SOP ID : M7470A-Mercury-20

SDG No : N/A

Matrix : WATER

Pippete ID: HG A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #1

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

Start Digest Date: 08/14/2025 **Time :** 10:30 **Temp :** 95 °C

End Digest Date: 08/14/2025 **Time :** 10:40 **Temp :** 95 °C

Digestion tube ID: M5595

Block thermometer ID: HG-DIG#3

Dig Technician Signature: [signature]

Supervisor Signature: [signature]

Temp : 1. 95°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
ICV	30mL	MP86777
CCV	30mL	MP86779
CRA	30mL	MP86782
Blank Spike	0.48mL	MP86770
Matrix Spike	0.48mL	MP86770

Chemical Used	ML/SAMPLE USED	Lot Number
HNO3/H2SO4(1:2)	2.25mL	MP85892
KMnO4 (5%)	4.5mL	MP85893
K2S2O8 (5%)	2.4mL	MP85894
Hydroxylamine HCL (12%)	1.8mL	MP85895
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

LAB SAMPLE ID	CLIENT SAMPLE ID	Wt(g)/Vol(ml)	Comment
0.0 ppb	S0	30mL	MP86771
0.05 ppb	S0.05	N/A	N/A
0.2 ppb	S0.2	30mL	MP86772
2.5 ppb	S2.5	30mL	MP86773
5.0 ppb	S5.0	30mL	MP86774
7.5 ppb	S7.5	30mL	MP86775
10.0 ppb	S10.0	30mL	MP86776
ICV	ICV	30mL	MP86777
ICB	ICB	30mL	MP86778
CCV	CCV	30mL	MP86779
CCB	CCB	30mL	MP86781
CRI	CRI	30mL	MP86782
CHK STD	CHK STD	30mL	MP86783

Extraction Conformance/Non-Conformance Comments:

N/A

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08/14/25 11:40	[signature]	[signature]
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Mercury Preparation Sheet

PB169249

Lab Sample ID	Client Sample ID	Initial Vol (ml)	Final Vol (ml)	pH	Comment	Prep Pos
PB169249BL	PBW249	30	30	<2	N/A	1-1
PB169249BS	LCS249	30	30	<2	MP86770	2
Q2814-22	TW-84SB-E	30	30	<2	N/A	3
Q2814-23	TW-17M-W	30	30	<2	N/A	4
Q2815-25	TW-11M-W	30	30	<2	N/A	5
Q2837-01	TW-WTS-13	30	30	<2	N/A	6
Q2840-03	0804-E	30	30	<2	N/A	7
Q2842-03	MW-17B-55.5-081225	30	30	<2	N/A	8
Q2842-03DUP	MW-17B-55.5-081225DUP	30	30	<2	N/A	9
Q2842-04	Q2842-03MS	30	30	<2	MP86770	10
Q2842-05	Q2842-03MSD	30	30	<2	MP86770	11
Q2849-01	BUR-25-0071	30	30	<2	N/A	12
Q2856-01	#452	30	30	<2	N/A	13
Q2856-03	#456	30	30	<2	N/A	14
Q2857-01	4023	30	30	<2	N/A	15
Q2857-02	3919	30	30	<2	N/A	16

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB169250

SOP ID : M3010A-Digestion-17

SDG No : N/A

Matrix : WATER

Pippete ID: ICP A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #3

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

Start Digest Date: 08/14/2025 **Time :** 14:10 **Temp :** 96 °C

End Digest Date: 08/14/2025 **Time :** 16:15 **Temp :** 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: SH

Supervisor Signature:

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
Spike Sol 1	0.50	MP86790
Spike Sol 2	1.00	MP86791
Spike Sol 3	1.00	MP86792
Spike Sol 4	1.00	MP86793
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Conc. HNO3	3.00	M6158
1:1 HCL	5.00	MP85156
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK#1 CELL#50 96 c
MP86792,MP86793,X*

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08/14/25 17:15	ase1 SH met dig	Metals Lab
	Preparation Group	Analysis Group

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB169250BL	PBW250	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	1
PB169250BS	LCS250	<2	50	50	Colorless	Colorless	Clear	Clear	MP86790,MP86791,X*	2
Q2840-03	0804-E	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	3
Q2842-03DUP	MW-17B-55.5-081225DUP	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	5
Q2842-03	MW-17B-55.5-081225	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	4
Q2842-04	Q2842-03MS	<2	50	50	Colorless	Colorless	Clear	Clear	MP86790,MP86791,X*	6
Q2842-05	Q2842-03MSD	<2	50	50	Colorless	Colorless	Clear	Clear	MP86790,MP86791,X*	7
Q2842-09	MW-17B-55.5-081225	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	8
Q2842-10	Q2842-09MS	<2	50	50	Colorless	Colorless	Clear	Clear	MP86790,MP86791,X*	9
Q2842-11	Q2842-09MSD	<2	50	50	Colorless	Colorless	Clear	Clear	MP86790,MP86791,X*	10
Q2849-01	BUR-25-0071	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	11
Q2856-01	#452	<2	50	50	Pink	Light pink	Clear	Clear	N/A	12
Q2856-03	#456	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	13
Q2865-03	LAW-25-0109	<2	50	50	Pink	Light pink	Clear	Clear	N/A	14
Q2867-01	TRE-2005	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	15
Q2867-02	TRE-2006	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	16
Q2869-01	MW-19B-71.5-081325	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	17
Q2869-02	MW-19B-71.5-081325	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	18
Q2869-05	MW-19B-71.5-081325-FD	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	19
Q2869-06	MW-19B-71.5-081325-FD	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	20
Q2869-07	EB01-081325	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	21
Q2869-08	EB01-081325	<2	50	50	Colorless	Colorless	Clear	Clear	N/A	22

SAMPLE DATA

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/12/25 12:30
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/12/25
Client Sample ID:	RMW-03B-90.4-081225	SDG No.:	Q2842
Lab Sample ID:	Q2842-01	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	18.7	OR	1	0.19	0.60	mg/L		08/13/25 13:42	9056A
Nitrate	0.095	U	1	0.095	0.50	mg/L		08/13/25 13:42	9056A
Sulfate	2.40	J	1	0.46	3.00	mg/L		08/13/25 13:42	9056A

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/12/25 12:30
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/12/25
Client Sample ID:	RMW-03B-90.4-081225DL	SDG No.:	Q2842
Lab Sample ID:	Q2842-01DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	18.0	D	5	0.95	3.00	mg/L		08/13/25 16:13	9056A

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/12/25 11:54
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/12/25
Client Sample ID:	MW-17B-55.5-081225	SDG No.:	Q2842
Lab Sample ID:	Q2842-03	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	88.2		1	1.00	2.00	mg/L		08/15/25 09:13	SM 2320 B-21
Chloride	20.6	OR	1	0.19	0.60	mg/L		08/13/25 14:25	9056A
Nitrate	0.095	U	1	0.095	0.50	mg/L		08/13/25 14:25	9056A
Sulfate	41.0	OR	1	0.46	3.00	mg/L		08/13/25 14:25	9056A
TDS	197		1	1.00	10.0	mg/L		08/14/25 17:20	SM 2540 C-20

Comments: The alkalinity to pH 4.42=88.2 mg CaCO3/L

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	08/12/25 11:54
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/12/25
Client Sample ID:	MW-17B-55.5-081225DL	SDG No.:	Q2842
Lab Sample ID:	Q2842-03DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Chloride	19.4	D	5	0.95	3.00	mg/L		08/13/25 16:34	9056A
Sulfate	40.6	D	5	2.30	15.0	mg/L		08/13/25 16:34	9056A

Comments:

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements
H = Sample Analysis Out Of Hold Time
J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

QC RESULT SUMMARY

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

Initial and Continuing Calibration Verification

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Project: Former Schlumberger STC PTC Site D3868221 **RunNo.:** LB136803

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Bromide	mg/L	10.3	10	103	90-110	08/06/2025
Chloride	mg/L	3.2	3	107	90-110	08/06/2025
Fluoride	mg/L	2	2	100	90-110	08/06/2025
Nitrite	mg/L	3.1	3	103	90-110	08/06/2025
Nitrate	mg/L	2.6	2.5	104	90-110	08/06/2025
Sulfate	mg/L	15.4	15	103	90-110	08/06/2025
Orthophosphate as P	mg/L	5	5	100	90-110	08/06/2025
Sample ID: CCV1						
Bromide	mg/L	10	10	100	90-110	08/13/2025
Chloride	mg/L	3	3	100	90-110	08/13/2025
Fluoride	mg/L	2	2	100	90-110	08/13/2025
Nitrite	mg/L	3	3	100	90-110	08/13/2025
Nitrate	mg/L	2.5	2.5	100	90-110	08/13/2025
Sulfate	mg/L	14.9	15	99	90-110	08/13/2025
Orthophosphate as P	mg/L	4.9	5	98	90-110	08/13/2025
Sample ID: CCV2						
Bromide	mg/L	10	10	100	90-110	08/13/2025
Chloride	mg/L	3	3	100	90-110	08/13/2025
Fluoride	mg/L	2	2	100	90-110	08/13/2025
Nitrite	mg/L	3	3	100	90-110	08/13/2025
Nitrate	mg/L	2.5	2.5	100	90-110	08/13/2025
Sulfate	mg/L	14.7	15	98	90-110	08/13/2025
Orthophosphate as P	mg/L	5.1	5	102	90-110	08/13/2025

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Initial and Continuing Calibration Blank Summary

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Project: Former Schlumberger STC PTC Site D3868221 **RunNo.:** LB136803

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	08/06/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	08/06/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	08/06/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	08/06/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	08/06/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	08/06/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	08/06/2025
Sample ID: CCB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	08/13/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	08/13/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	08/13/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	08/13/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	08/13/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	08/13/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	08/13/2025
Sample ID: CCB2							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	08/13/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	08/13/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	08/13/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	08/13/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	08/13/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	08/13/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	08/13/2025

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Preparation Blank Summary

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Project: Former Schlumberger STC PTC Site D3868221

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB136803BLW							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	08/13/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	08/13/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	08/13/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	08/13/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	08/13/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	08/13/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	08/13/2025
Sample ID: LB136835BL							
TDS	mg/L	< 5.0000	5.0000	U	1.0	10	08/14/2025
Sample ID: LB136847BLW							
Alkalinity	mg/L	< 1.0000	1.0000	U	1	2	08/15/2025

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Matrix Spike Summary

Client: JACOBS Engineering Group, Inc.
SDG No.: Q2842
Project: Former Schlumberger STC PTC Site D3868221
Sample ID: Q2842-03
Client ID: MW-17B-55.5-081225MS
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/L	80-120	10.3		0.37	U	10	1	103		08/13/2025
Chloride	mg/L	80-120	23.5	OR	20.6	OR	3	1	97		08/13/2025
Fluoride	mg/L	80-120	2.30		0.23	J	2	1	104		08/13/2025
Nitrite	mg/L	80-120	3.00		0.074	U	3	1	100		08/13/2025
Nitrate	mg/L	80-120	2.60		0.095	U	2.5	1	104		08/13/2025
Sulfate	mg/L	80-120	55.1	OR	41.0	OR	15	1	94		08/13/2025
Orthophosphate as P	mg/L	80-120	3.10		0.34	U	5	1	62	*	08/13/2025

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Fax : 908 789 8922

Matrix Spike Summary

Client: JACOBS Engineering Group, Inc.
SDG No.: Q2842
Project: Former Schlumberger STC PTC Site D3868221
Sample ID: Q2842-03
Client ID: MW-17B-55.5-081225MSD
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/L	80-120	10.5		0.37	U	10	1	105		08/13/2025
Chloride	mg/L	80-120	23.3	OR	20.6	OR	3	1	90		08/13/2025
Fluoride	mg/L	80-120	2.40		0.23	J	2	1	109		08/13/2025
Nitrite	mg/L	80-120	3.10		0.074	U	3	1	103		08/13/2025
Nitrate	mg/L	80-120	2.60		0.095	U	2.5	1	104		08/13/2025
Sulfate	mg/L	80-120	55.4	OR	41.0	OR	15	1	96		08/13/2025
Orthophosphate as P	mg/L	80-120	3.30		0.34	U	5	1	66	*	08/13/2025

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Duplicate Sample Summary

Client: JACOBS Engineering Group, Inc.
SDG No.: Q2842
Project: Former Schlumberger STC PTC Site D3868221
Sample ID: Q2842-03
Client ID: MW-17B-55.5-081225DUP
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
TDS	mg/L	+/-5	197		196		1	0.51		08/14/2025
Alkalinity	mg/L	+/-20	88.2		87.6		1	1		08/15/2025

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Fax : 908 789 8922

Duplicate Sample Summary

Client: JACOBS Engineering Group, Inc.
SDG No.: Q2842
Project: Former Schlumberger STC PTC Site D3868221
Sample ID: Q2842-03
Client ID: MW-17B-55.5-081225MSD
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Nitrate	mg/L	+/-15	2.60		2.60		1	0		08/13/2025
Chloride	mg/L	+/-15	23.5	OR	23.3	OR	1	1		08/13/2025
Sulfate	mg/L	+/-15	55.1	OR	55.4	OR	1	1		08/13/2025
Bromide	mg/L	+/-15	10.3		10.5		1	2		08/13/2025
Nitrite	mg/L	+/-15	3.00		3.10		1	3		08/13/2025
Fluoride	mg/L	+/-15	2.30		2.40		1	4		08/13/2025
Orthophosphate as P	mg/L	+/-15	3.10		3.30		1	6		08/13/2025

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Laboratory Control Sample Summary

Client: JACOBS Engineering Group, Inc. **SDG No.:** Q2842

Project: Former Schlumberger STC PTC Site D3868221 **Run No.:** LB136803

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB136803BSW								
Bromide	mg/L	10	10.0		100	1	90-110	08/13/2025
Chloride	mg/L	3	3.00		100	1	90-110	08/13/2025
Fluoride	mg/L	2	2.00		100	1	90-110	08/13/2025
Nitrite	mg/L	3	3.00		100	1	90-110	08/13/2025
Nitrate	mg/L	2.5	2.50		100	1	90-110	08/13/2025
Sulfate	mg/L	15	15.0		100	1	90-110	08/13/2025
Orthophosphate as P	mg/L	5	5.00		100	1	90-110	08/13/2025

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Laboratory Control Sample Summary

Client:	JACOBS Engineering Group, Inc.	**SDG No.:**	Q2842
Project:	Former Schlumberger STC PTC Site D3868221	**Run No.:**	LB136835

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB136835BS								
TDS	mg/L	100	95.0		95	1	90-110	08/14/2025

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Laboratory Control Sample Summary

Client:	JACOBS Engineering Group, Inc.	**SDG No.:**	Q2842
Project:	Former Schlumberger STC PTC Site D3868221	**Run No.:**	LB136847

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID **LB136847BSW**								
Alkalinity	mg/L	50	53.4		107	1	80-120	08/15/2025

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

Instrument ID: IC-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB136803

Review By	rubina	Review On	8/15/2025 10:26:49 AM
Supervise By	Sohil	Supervise On	8/15/2025 12:44:16 PM
SubDirectory	LB136803	Test	Anions

STD. NAME	STD REF.#
ICAL Standard	WP114185,WP114186,WP114187,WP114188,WP114189,WP114190,WP114191
ICV Standard	WP114192
CCV Standard	WP114265
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP114266
Chk Standard	WP114193,WP114194

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	STD1	STD1	CAL1	08/06/25 10:18	All standards, samples, and	RM/IZ	OK
2	STD2	STD2	CAL2	08/06/25 10:40	QC are filtered through	RM/IZ	OK
3	STD3	STD3	CAL3	08/06/25 11:01	0.45um, filter lot W3160	RM/IZ	OK
4	STD4	STD4	CAL4	08/06/25 11:23		RM/IZ	OK
5	STD5	STD5	CAL5	08/06/25 11:44		RM/IZ	OK
6	STD6	STD6	CAL6	08/06/25 12:06		RM/IZ	OK
7	STD7	STD7	CAL7	08/06/25 12:27		RM/IZ	OK
8	ICV1	ICV1	ICV	08/06/25 12:48		RM/IZ	OK
9	ICB1	ICB1	ICB	08/06/25 13:10		RM/IZ	OK
10	CCV1	CCV1	CCV	08/13/25 09:19		RM/IZ	OK
11	CCB1	CCB1	CCB	08/13/25 09:40		RM/IZ	OK
12	LB136803BLW	LB136803BLW	MB	08/13/25 10:02		RM/IZ	OK
13	LB136803BSW	LB136803BSW	LCS	08/13/25 10:23		RM/IZ	OK
14	Q2842-01	RMW-03B-90.4-08122	SAM	08/13/25 13:42	CL high	RM/IZ	Dilution
15	Q2842-03	MW-17B-55.5-081225	SAM	08/13/25 14:25	CL, SO4 high	RM/IZ	Dilution
16	Q2842-04	MW-17B-55.5-081225	MS	08/13/25 15:08	9.5ml of sample, 0.5mL W3092	RM/IZ	OK
17	Q2842-05	MW-17B-55.5-081225	MSD	08/13/25 15:51	9.5ml of sample, 0.5mL W3092	RM/IZ	OK
18	Q2842-01DL	RMW-03B-90.4-08122	SAM	08/13/25 16:13	5X for CL	RM/IZ	Confirms

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Fax : 908 789 8922

Instrument ID: IC-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB136803

Review By	rubina	Review On	8/15/2025 10:26:49 AM
Supervise By	Sohil	Supervise On	8/15/2025 12:44:16 PM
SubDirectory	LB136803	Test	Anions

STD. NAME	STD REF.#
ICAL Standard	WP114185,WP114186,WP114187,WP114188,WP114189,WP114190,WP114191
ICV Standard	WP114192
CCV Standard	WP114265
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP114266
Chk Standard	WP114193,WP114194

19	Q2842-03DL	MW-17B-55.5-081225	SAM	08/13/25 16:34	5X for CL, SO4	RM/IZ	Confirms
20	CCV2	CCV2	CCV	08/13/25 17:39		RM/IZ	OK
21	CCB2	CCB2	CCB	08/13/25 18:00		RM/IZ	OK

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Fax : 908 789 8922

Instrument ID: WC SC-3

Daily Analysis Runlog For Sequence/QCBatch ID # LB136835

Review By	jignesh	Review On	8/15/2025 12:01:25 PM
Supervise By	rubina	Supervise On	8/15/2025 12:31:13 PM
SubDirectory	LB136835	Test	TDS

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	N/A
Chk Standard	N/A

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB136835BL	LB136835BL	MB	08/14/25 17:20		jignesh	OK
2	LB136835BS	LB136835BS	LCS	08/14/25 17:20		jignesh	OK
3	Q2842-03	MW-17B-55.5-081225	SAM	08/14/25 17:20		jignesh	OK
4	Q2842-03DUP	MW-17B-55.5-081225	DUP	08/14/25 17:20		jignesh	OK
5	Q2860-01	TOWER#1	SAM	08/14/25 17:20		jignesh	OK
6	Q2860-02	TOWER#2	SAM	08/14/25 17:20		jignesh	OK
7	Q2869-01	MW-19B-71.5-081325	SAM	08/14/25 17:20		jignesh	OK
8	Q2869-05	MW-19B-71.5-081325	SAM	08/14/25 17:20		jignesh	OK
9	Q2869-07	EB01-081325	SAM	08/14/25 17:20		jignesh	OK
10	Q2878-01	MW-18B-57.5-081325	SAM	08/14/25 17:20		jignesh	OK

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

Instrument ID: TITRATOR

Daily Analysis Runlog For Sequence/QCBatch ID # LB136847

Review By	Eman	Review On	8/19/2025 4:34:43 PM
Supervise By	Sohil	Supervise On	8/20/2025 11:21:54 AM
SubDirectory	LB136847	Test	Alkalinity

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP114306
Chk Standard	W3217,W3178,W3150

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB136847BLW	LB136847BLW	MB	08/15/25 09:05	pH=3.78	Eman	OK
2	LB136847BSW	LB136847BSW	LCS	08/15/25 09:09	pH=4.46	Eman	OK
3	Q2842-03	MW-17B-55.5-081225	SAM	08/15/25 09:13	pH=4.42	Eman	OK
4	Q2842-03DUP	MW-17B-55.5-081225	DUP	08/15/25 09:17	pH=4.38	Eman	OK
5	Q2869-01	MW-19B-71.5-081325	SAM	08/15/25 09:20	pH=4.32	Eman	OK
6	Q2869-05	MW-19B-71.5-081325	SAM	08/15/25 09:21	pH=4.34	Eman	OK
7	Q2878-01	MW-18B-57.5-081325	SAM	08/15/25 09:25	pH=4.40	Eman	OK

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

LAB CHRONICLE

OrderID:	Q2842	**OrderDate:**	8/13/2025 8:34:00 AM
Client:	JACOBS Engineering Group, Inc.	**Project:**	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	**Location:**	J23,J32,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2842-01	**RMW-03B-90.4-0812 25**	**WATER**			**08/12/25 12:30**			**08/12/25**
			Anions Group1	9056A			08/13/25 13:42	
Q2842-01DL	**RMW-03B-90.4-0812 25DL**	**WATER**			**08/12/25 12:30**			**08/12/25**
			Anions Group1	9056A			08/13/25 16:13	
Q2842-03	**MW-17B-55.5-0812 25**	**WATER**			**08/12/25 11:54**			**08/12/25**
			Alkalinity	SM2320 B			08/15/25 09:13	
			Anions Group1	9056A			08/13/25 14:25	
			TDS	SM2540 C			08/14/25 17:20	
Q2842-03DL	**MW-17B-55.5-0812 25DL**	**WATER**			**08/12/25 11:54**			**08/12/25**
			Anions Group1	9056A			08/13/25 16:34	

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 · Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO. Q 2842
QUOTE NO.
COC Number 2045376

9
9.1

CLIENT INFORMATION (REPORT TO BE SENT TO:)

COMPANY: Jacobs
ADDRESS: 412 Mt Kemble Ave Suite 100
CITY Morristown STATE: NJ ZIP: 07960
ATTENTION: John Yrfante John.Yrfante@jacobs.com
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: STC PTC
PROJECT NO.: D386822 LOCATION: Princeton Junction
PROJECT MANAGER: Mary Murphy
e-mail: Mary.Murphy@Jacobs.com
PHONE: FAX:

CLIENT BILLING INFORMATION

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

DATA TURNAROUND INFORMATION

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

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1 Site Specific VOCs (SW846 8260D-Low)
2 1,4 Dioxane (SW846 8270E-SIM)
3 Total (6020B) and Dissolved (6020B) Mn (Field Filtered)
4 Alkalinity (SM2320B)
5 TDS (SM2540C)
6 Anions (9056A)
7 Trace VOCs (524.4 Modified)
8
9

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
								A/E	E	B/E	E	E	E	E	A/E		← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
1.	RMW-03B-90.4-081225	GW		✓	8/12/25	1230	6	✓	✓					✓			
2.	~~RMW-03C~~ RMW-02B-66.3-081225	GW		✓	8/12/25	1530	5	✓	✓								
3.	MW-17B-55.5-081225	GW		✓	8/12/25	1154	27	✓	✓	✓	✓	✓	✓	✓			MS/MSD
4.	MW-06-6.5-081225	GW		✓	8/12/25	1530	2		✓								
5.	MW-17B-55.5-081225-SIM	GW		✓	8/12/25	1154	3								✓		
6.	TB01-081225	DI		✓	8/12/25	1600	2	✓									
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:	DATE/TIME:
1.	8/12/25 1700	1.	8.12.25 1700
2.		2.	
3.	8.12.25 1822	3.	

Conditions of bottles or coolers at receipt: ❑ COMPLIANT ❑ NON COMPLIANT ❑ COOLER TEMP 2.0 °C
Comments: See work order for list of site specific VOCs
Dissolved Iron is Field Filtered

Page 1 of 2

CLIENT: ❑ Hand Delivered ❑ Other

Shipment Complete ❑ YES ❑ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

From: Yazmeen Gomez
Sent: Thursday, August 14, 2025 10:30 AM
To: Ynfante, John; Sohil Jodhani
Cc: Mohammad Ahmed
Subject: RE: [EXTERNAL] Login Summary Details For Project Former Schlumberger STC PTC Site D3868221-Q2842.
Attachments: quant2841.pdf; quant2842.pdf

John,

The lab informed me –

Q2841- 42 sample screened with 8260 method as they are usually highly contaminated samples for Trichloroethene

Q2841-01 (MW-06-6.5-08122025) at 200x

Q2842-07(MW-17B-55.5-081225-SIM) 200x

Sample can be analyzed with 8260 under low dilution

Sim analysis is not possible as it may contaminate instrument

Please see attached.

Best Regards,

Yazmeen Gomez
Sr. Project Manager
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3147
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Ynfante, John <John.Ynfante@jacobs.com>
Sent: Wednesday, August 13, 2025 3:23 PM
To: Sohil Jodhani <Sohil.Jodhani@alliancetg.com>
Cc: Yazmeen Gomez <Yazmeen.Gomez@AllianceTG.com>; Mohammad Ahmed <mohammad.ahmed@alliancetg.com>; Nimisha Pandya <Nimisha.Pandya@AllianceTG.com>
Subject: RE: [EXTERNAL] Login Summary Details For Project Former Schlumberger STC PTC Site D3868221-Q2842.

Thanks Sohil

From: Sohil Jodhani <Sohil.Jodhani@alliancetg.com>
Sent: Wednesday, August 13, 2025 1:23 PM
To: Ynfante, John <John.Ynfante@jacobs.com>
Cc: Yazmeen Gomez <Yazmeen.Gomez@AllianceTG.com>; Mohammad Ahmed <mohammad.ahmed@alliancetg.com>; Nimisha Pandya <Nimisha.Pandya@AllianceTG.com>
Subject: RE: [EXTERNAL] Login Summary Details For Project Former Schlumberger STC PTC Site D3868221-Q2842.

Hi John,

Sample IDs are updated as per below request. Lab will notify you if in case VOC-SIM (for Vinyl chloride) is not required for the samples based on low level VOA analysis.

Thanks & Regards,

Sohil Jodhani (he/him/his)
QA/QC Director
Alliance Technical Group, LLC-Newark
Main: 908-789-8900
Direct: 908-728-3152
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Mohammad Ahmed <mohammad.ahmed@alliancetg.com>
Sent: Wednesday, August 13, 2025 2:10 PM
To: Ynfante, John <John.Ynfante@jacobs.com>; Data-EWR <Data-EWR@alliancetg.com>; Yazmeen Gomez <yazmeen.gomez@alliancetg.com>
Cc: Sohil Jodhani <Sohil.Jodhani@alliancetg.com>
Subject: Re: [EXTERNAL] Login Summary Details For Project Former Schlumberger STC PTC Site D3868221-Q2842.

Hi John,
yaz is our of the office today , but i will coordinate with lab to make sure we communicate with you and run these analysis accordingly

Mohammad Ahmed
Laboratory Director
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3151
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Ynfante, John <John.Ynfante@jacobs.com>
Sent: Wednesday, August 13, 2025 2:01 PM
To: Data-EWR <Data-EWR@alliancetg.com>; Yazmeen Gomez <yazmeen.gomez@alliancetg.com>
Subject: RE: [EXTERNAL] Login Summary Details For Project Former Schlumberger STC PTC Site D3868221-Q2842.

Yazmeen,

A couple of comments on this Princeton login for Q2842:

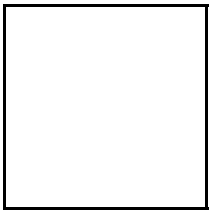
1. I assume your SFAM-SIM method for VOCs can still only report vinyl chloride out of our project list of VOCs – if that is the case then note that sample Q2842-07 (MW-17B-55.5-081225-SIM) and any other SFAM-SIM samples only need to be analyzed if their corresponding 8260D-Low analysis shows the vinyl chloride to be non-detect and of course if the lab is able to analyze them by SIM. I know up to this point the lab has said the concentrations have been too high in the SIM samples to even run the SFAM-SIM on so let me know how it looks on those after your analysts run the regular VOCs run on them.

2. The date part of the sample IDs should have used a MMDD**YY** format, not MMDD**YYYY** as is listed on the chain. Please change the "2025" bit to just "25" on all these sample IDs. For example, "RMW-03B-90.4-08122025" should be changed to "RMW-03B-90.4-081225", etc.

Thanks

- John Y.

From: Data-EWR@alliancetg.com <Data-EWR@alliancetg.com>
Sent: Wednesday, August 13, 2025 9:38 AM
To: Ongjoco, Alec <Alec.Ongjoco@jacobs.com>; Dillon, Alexa <Alexa.Dillon@jacobs.com>; Lader, Chelsea <Chelsea.Lader@jacobs.com>; Holmes, Daniel <Daniel.Holmes@jacobs.com>; Reamer, David <David.Reamer@jacobs.com>; Ynfante, John <John.Ynfante@jacobs.com>; Murphy, Mary <Mary.Murphy@jacobs.com>; Warren, Melissa <Melissa.Warren@jacobs.com>; Asher, Sarah <Sarah.Asher@jacobs.com>
Cc: yazmeen.gomez@alliancetg.com
Subject: [EXTERNAL] Login Summary Details For Project Former Schlumberger STC PTC Site D3868221-Q2842.



To John Ynfante;

Please see the attached Login Summary for the following project, or download the file using your login credentials from the link below.

Order ID	: Q2842
Project ID	: Former Schlumberger STC PTC Site D3868221
Download File	: https://chemtech.net/secureLogin.aspx
Order Date	: 8/13/2025 8:34:00 AM

Alliance's Project Manager	: YAZMEEN GOMEZ , yazmeen.gomez@alliancetg.com , 908-728-3147
Alliance's Sales Executive	: Jordan Hedvat , jordan.hedvat@alliancetg.com , 908-728-3144

Thank you for the opportunity to provide you with our services. For any questions please feel free to contact your project manager.

Click Here for our short online customer Survey http://chemtech.net/ClientSurvey.aspx .

Thank you,

Alliance Technical Group LLC.

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2842 JACO05
Client Name : JACOBS Engineering Grou
Client Contact : John Ynfante
Invoice Name : JACOBS Engineering Grou
Invoice Contact : John Ynfante

Order Date : 8/13/2025 8:34:00 AM
Project Name : Former Schlumberger STC
Receive DateTime : 8/12/2025 6:22:00 PM
Purchase Order :

Project Mgr : Deepak
Report Type : Level 3
EDD Type : CH2MHILL
Hard Copy Date :
Date Signoff : 8/13/2025 10:38:03 AM

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2842-01	RMW-03B-90.4-081225	Water	08/12/2025	12:30					
					VOCMS Group3		8260-Low		10 Bus. Days
Q2842-02	RMW-02B-66.3-081225	Water	08/12/2025	15:30					
					VOCMS Group3		8260-Low		10 Bus. Days
Q2842-03	MW-17B-55.5-081225	Water	08/12/2025	11:54					
					VOCMS Group3		8260-Low		10 Bus. Days
Q2842-04	Q2842-03MS	Water	08/12/2025	11:54					
					VOCMS Group3		8260-Low		10 Bus. Days
Q2842-05	Q2842-03MSD	Water	08/12/2025	11:54					
					VOCMS Group3		8260-Low		10 Bus. Days
Q2842-08	TB01-081225	Water	08/12/2025	16:00					
					VOCMS Group3		8260-Low		10 Bus. Days

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID :	Q2842 JACO05	**Order Date :**	8/13/2025 8:34:00 AM	**Project Mgr :**	Deepak
Client Name :	JACOBS Engineering Grou	**Project Name :**	Former Schlumberger STC	**Report Type :**	Level 3
Client Contact :	John Ynfante	**Receive DateTime :**	8/12/2025 6:22:00 PM	**EDD Type :**	CH2MHILL
Invoice Name :	JACOBS Engineering Grou	**Purchase Order :**		**Hard Copy Date :**	
Invoice Contact :	John Ynfante			**Date Signoff :**	8/13/2025 10:38:03 AM

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

Relinguished By :
Date / Time : 8/13/25 09:15

Received By :
Date / Time : 08/13/25 09:15
Storage Area : VOA Refridgerator Room