



Lab Number: L2540375

Client: Phoenix Environmental

ATTN: Julian Antebi

Project Name: RAMSEY SD

Project Number: RAMSEY SD

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**ANALYTICAL DATA PACKAGE FOR THE
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
TRENTON NEW JERSEY 08625**

Agency/Division:		Bureau/Office:	
Project No: RAMSEY SD		Contract No:	
Laboratory: Pace Analytical Services		Laboratory Location: Westborough, Ma.	
		Laboratory Phone Number: (508) 898-9220	
SDG No: L2540375		NJDEP Certification #: MA935/MA015	
Date of First Sample Receipt: 06/26/2025		Date of Last Sample Receipt: 06/26/2025	
Agency Sample Number	Laboratory Sample Number	Sample Location	Date/Time of Collection
UST-E1	L2540375-01	RAMSEY SD	06/26/2025 10:30
UST-E2	L2540375-02	RAMSEY SD	06/26/2025 13:30

I certify that this data package is in compliance with the terms and conditions of this contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on disk or electronically has been authorized by the laboratory director or his/her designee, as verified by the following signature.

Technical Director/Representative (Typed) Tiffani Morrissey

07/03/25

Technical Director/Representative (Signature) 

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Chain of Custody



NEW JERSEY CHAIN OF CUSTODY

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers

Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1

of 1

Date Rec'd
in Lab

6/27/25

L2540375

PHOENIX - NJ



Project Information

Project Name: Romsey 8D
Project Location: Romsey, NJ
Project #

(Use Project name as Project #) ☒

Project Manager: Jim Borish

ALPHAQuote #:

Turn-Around Time

Standard ☐

Due Date:

Rush (only if pre approved) ☒

of Days: 5

Deliverables

☒ NJ Full (Reduced)
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Billing Information

☒ Same as Client Info

PO #

Client Information

Client: Phoenix Env. Mgmt

Address: 3525 Quakerbridge Rd

#907 Am. Hwy, NJ

Phone: 609-584-9601

Fax:

Email: ON file

Regulatory Requirement

☒ SRS Residential/Non Residential
☒ SRS Impact to Groundwater
☐ NJ Ground Water Quality Standards
☒ NJ IGW SPLP Leachate Criteria
☐ Other

Site Information

Is this site impacted by
Petroleum? Yes ☒

Petroleum Product:

Gasoline

These samples have been previously analyzed by Alpha ☐

For EPH, selection is REQUIRED:

☐ Category 1
☐ Category 2

For VOC, selection is REQUIRED:

☐ 1,4-Dioxane
☐ 8011

Other project specific requirements/comments:

VO include 1,2-DBE & 1,2-DCE

Please specify Metals or TAL.

ANALYSIS

TCL VO + 15
SPLP VO
Lead
SPLP Lead

Sample Filtration

☐ Done
☐ Lab to do
Preservation
☐ Lab to do

(Please Specify below)

Sample Specific Comments

ALPHA Lab ID
(Lab Use Only)

Sample ID

Collection

Date Time

Sample
Matrix

Sampler's
Initials

40375-01
-02

UST-E1
UST-E2

6/26/25 1030
" 1330

S
"

JB
"

N X X X
X X X X

Preservative Code:

A = None
B = HCl
C = HNO₃
D = H₂SO₄
E = NaOH
F = MeOH
G = NaHSO₄
H = Na₂S₂O₃
K/E = Zn Ac/NaOH
O = Other

Container Code

P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935

Mansfield: Certification No: MA015

Container Type

E E A A

Preservative

A A A A

Form No: 01-14 HC (rev. 30-Sept-2013)

Relinquished By:

Date/Time

Received By:

Date/Time

PAVE
NJSC
Paul Maggion
6/26/25

6/26/25 14:20
6/26/25 14:20
6/26/25 1700

PAVE
NJSC
Paul Maggion
6/26/25 1700

6/26/25 14:20
6/26/25 14:20
6/26/25 1700

Please print clearly, legibly
and completely. Samples can
not be logged in and
turnaround time clock will not
start until any ambiguities are
resolved. BY EXECUTING
THIS COC, THE CLIENT
HAS READ AND AGREES
TO BE BOUND BY ALPHA'S
TERMS & CONDITIONS.
(See reverse side.)

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Jul 03 2025, 08:28 pm

Login Number: L2540375

Account: PHOENIX-NJ Phoenix Environmental Project: RAMSEY SD

Received: 26JUN25 Due Date: 03JUL25

Sample # Client ID Mat PR Collected

L2540375-01 UST-E1

3 3E 26JUN25 10:30

PREPP: Metals NJ-RED Package Due Date: 07/03/25

DISPOSAL, ENVIMPACT-FEE, NJ-8260HLW, NJ-PREPP, NJ-SPLPEXT-DATA, PREPP, NJ-RED, NJ-SPLP-8260, NJ-SPLP-EXT-ZHE, NJ-SPLP-VOA, NJ-SPLPZHEEXT-DATA, NJDEP, PB-TI, PREPT, SPLP-PB-6020T-PPB, TS

L2540375-02 UST-E2

3 3E 26JUN25 13:30

PREPP: Metals Package Due Date: 07/03/25

DISPOSAL, NJ-8260HLW, NJ-PREPP, NJ-SPLPEXT-DATA, PREPP, NJ-SPLP-8260, NJ-SPLP-EXT-ZHE, NJ-SPLP-VOA, NJ-SPLPZHEEXT-DATA, PB-TI, PREPT, SPLP-PB-6020T-PPB, TS

PACE ANALYTICAL SERVICES **Container Tracking Report**

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2540375-01A	Encore-5	EMPTY	27-JUN-25	CUSTODY	CUSTODY	Patrick Biamou	VOA CUSTODY	VOA CUSTODY	Patrick Biamou
L2540375-01A	Encore-5	INTACT	27-JUN-25	LOGIN	LOGIN	Owen Jefferson	CUSTODY	CUSTODY	Owen Jefferson
L2540375-01B	Encore-5	EMPTY	29-JUN-25		VOA CUSTODY	Gregory Ramos	VOA CUSTODY	VOA CUSTODY	Gregory Ramos
L2540375-01B	Encore-5	INTACT	27-JUN-25	CUSTODY	CUSTODY	Patrick Biamou	VOA CUSTODY	VOA CUSTODY	Patrick Biamou
L2540375-01B	Encore-5	INTACT	27-JUN-25	LOGIN	LOGIN	Owen Jefferson	CUSTODY	CUSTODY	Owen Jefferson
L2540375-01C	Encore-5	EMPTY	29-JUN-25		CUSTODY	Gregory Ramos	VOA CUSTODY	VOA CUSTODY	Gregory Ramos
L2540375-01C	Encore-5	INTACT	27-JUN-25	LOGIN	LOGIN	Owen Jefferson	CUSTODY	CUSTODY	Owen Jefferson
L2540375-01D	Encore-25	INTACT	27-JUN-25	CUSTODY	CUSTODY	Gregory Ramos	VOA CUSTODY	VOA CUSTODY	Gregory Ramos
L2540375-01D	Encore-25	INTACT	27-JUN-25	LOGIN	LOGIN	Owen Jefferson	CUSTODY	CUSTODY	Owen Jefferson
L2540375-01E	Encore-25	EMPTY	27-JUN-25	CUSTODY	CUSTODY	Gregory Ramos	VOA CUSTODY	VOA CUSTODY	Gregory Ramos
L2540375-01E	Encore-25	INTACT	27-JUN-25	LOGIN	LOGIN	Owen Jefferson	CUSTODY	CUSTODY	Owen Jefferson
L2540375-01F	Glass-AM.06	INTACT	03-JUL-25	A2-CUSTODY-REFRIDGE	A2-METALS PREP	Sarah McLaughlin	A2-CUSTODY-MET1-S13	A2-CUSTODY-MET1-S13	Sarah McLaughlin
L2540375-01F	Glass-AM.06	INTACT	03-JUL-25	A2-CUSTODY-REFRIDGE	A2-CUSTODY-MET3-S11	Sarah McLaughlin	A2-METALS PREP	A2-METALS PREP	Sarah McLaughlin
L2540375-01F	Glass-AM.06	INTACT	27-JUN-25	A2-CUSTODY-REFRIDGE	A2-CUSTODY	Shea Jamieson	A2-CUSTODY-MET3-S11	A2-CUSTODY-MET3-S11	Shea Jamieson
L2540375-01F	Glass-AM.06	INTACT	27-JUN-25	TRANSIT COURIER	COOLER19-TRANSFER_TO_MANSFIELD	Owen Jefferson	A2-CUSTODY	A2-CUSTODY	Marcelo Buden
L2540375-01F	Glass-AM.06	INTACT	27-JUN-25	COOLER19-TRANSFER_TO_MANSFIELD	COOLER19-TRANSFER_TO_MANSFIELD	Owen Jefferson		TRANSIT COURIER	COOLER19-TRANSFER_TO_MANSFIELD
L2540375-01F	Glass-AM.06	INTACT	27-JUN-25		CUSTODY	Owen Jefferson	COOLER19-TRANSFER_TO_MANSFIELD	COOLER19-TRANSFER_TO_MANSFIELD	Owen Jefferson
L2540375-01F	Glass-AM.06	INTACT	27-JUN-25	LOGIN	LOGIN	Owen Jefferson	CUSTODY	CUSTODY	Owen Jefferson
L2540375-01G	Plastic-A-TS	INTACT	03-JUL-25		LOGIN	Riley Frankian	RETURN TS WALK-IN CUSTODY	RETURN TS WALK-IN CUSTODY	Riley Frankian
L2540375-01G	Plastic-A-TS	INTACT	27-JUN-25		CUSTODY	Owen Jefferson	LOGIN	LOGIN	Owen Jefferson
L2540375-01G	Plastic-A-TS	INTACT	27-JUN-25	LOGIN	LOGIN	Owen Jefferson	CUSTODY	CUSTODY	Owen Jefferson
L2540375-01H	Glass-A.25	INTACT	29-JUN-25	CUSTODY	W9-S2-D CUSTODY	Sam Bardsley	W9-S2-B CUSTODY	W9-S2-B CUSTODY	Sam Bardsley
L2540375-01H	Glass-A.25	INTACT	27-JUN-25	CUSTODY	RETURN WALK-IN CUSTODY	Elizabeth Grace	W9-S2-D CUSTODY	W9-S2-D CUSTODY	Elizabeth Grace
L2540375-01H	Tumble Vessel	INTACT	27-JUN-25		CUSTODY	Prince Asare	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Prince Asare
L2540375-01H	Tumble Vessel	INTACT	27-JUN-25	LOGIN	LOGIN	Owen Jefferson	CUSTODY	CUSTODY	Owen Jefferson

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2540375-01T	EPlastic-C.25	INTACT	03-JUL-25	A2-CUSTODY-REFRIDGE	A2-CUSTODY-METPREP1	Alexander Gonatas	A2-CUSTODY-WH-1C	A2-CUSTODY-WH-1C	Alexander Gonatas
L2540375-01T	EPlastic-C.25	INTACT	28-JUN-25	A2-CUSTODY-REFRIDGE	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-METPREP1	A2-CUSTODY-METPREP1	Bethany Bedard
L2540375-01T	EPlastic-C.25	INTACT	28-JUN-25	TRANSIT COURIER	COOLER45-TRANSFER_TO_MANSFIELD	Prince Asare	A2-CUSTODY	A2-CUSTODY	Ashley Lang
L2540375-01T	EPlastic-C.25	INTACT	28-JUN-25	COOLER45-TRANSFER_TO_MANSFIELD	COOLER45-TRANSFER_TO_MANSFIELD	Prince Asare	TRANSIT COURIER	COOLER45-TRANSFER_TO_MANSFIELD	Prince Asare
L2540375-01T	EPlastic-C.25	INTACT	28-JUN-25		CUSTODY	Prince Asare	COOLER45-TRANSFER_TO_MANSFIELD	COOLER45-TRANSFER_TO_MANSFIELD	Prince Asare
L2540375-01T	EPlastic-C.25	INTACT	27-JUN-25	LOGIN	LOGIN	Owen Jefferson	CUSTODY	CUSTODY	Owen Jefferson
L2540375-01U	EVial-A	INTACT	01-JUL-25	CUSTODY	GC/MS	Gregory Ramos	VOA-DEAD-CUSTODY-140	VOA-DEAD-CUSTODY-140	Gregory Ramos
L2540375-01U	EVial-A	INTACT	01-JUL-25	CUSTODY	VOA-DEAD-CUSTODY-363	Gregory Ramos	GC/MS	GC/MS	Gregory Ramos
L2540375-01U	EVial-A	INTACT	01-JUL-25	CUSTODY	GC/MS	Gregory Ramos	VOA-DEAD-CUSTODY-363	VOA-DEAD-CUSTODY-363	Gregory Ramos
L2540375-01U	EVial-A	INTACT	01-JUL-25	CUSTODY	VOA-DEAD-CUSTODY-376	Gregory Ramos	GC/MS	GC/MS	Gregory Ramos
L2540375-01U	EVial-A	INTACT	29-JUN-25	CUSTODY	GC/MS	Mike May	VOA-DEAD-CUSTODY-376	VOA-DEAD-CUSTODY-376	Mike May
L2540375-01U	EVial-A	INTACT	28-JUN-25	CUSTODY	CUSTODY	Mike May	GC/MS	GC/MS	Mike May
L2540375-01U	EVial-A	INTACT	27-JUN-25	LOGIN	LOGIN	Owen Jefferson	CUSTODY	CUSTODY	Owen Jefferson
L2540375-01V	EVial-A	INTACT	28-JUN-25	CUSTODY	CUSTODY	Gregory Ramos	V48-32 CUSTODY	V48-32 CUSTODY	Gregory Ramos
L2540375-01V	EVial-A	INTACT	27-JUN-25	LOGIN	LOGIN	Owen Jefferson	CUSTODY	CUSTODY	Owen Jefferson
L2540375-01W	EVial-A	INTACT	28-JUN-25	CUSTODY	CUSTODY	Gregory Ramos	V48-32 CUSTODY	V48-32 CUSTODY	Gregory Ramos
L2540375-01W	EVial-A	INTACT	27-JUN-25	LOGIN	LOGIN	Owen Jefferson	CUSTODY	CUSTODY	Owen Jefferson
L2540375-01X	SVial-F	INTACT	29-JUN-25	CUSTODY	GC/MS	Gregory Ramos	V49-05 CUSTODY	V49-05 CUSTODY	Gregory Ramos
L2540375-01X	SVial-F	INTACT	29-JUN-25	CUSTODY	V49-04 CUSTODY	Tacila Hovagimian	GC/MS	GC/MS	Tacila Hovagimian
L2540375-01X	SVial-F	INTACT	27-JUN-25	CUSTODY	CUSTODY	Patrick Biamou	V49-04 CUSTODY	V49-04 CUSTODY	Patrick Biamou
L2540375-01X	SVial-F	INTACT	27-JUN-25	LOGIN	LOGIN	Owen Jefferson	CUSTODY	CUSTODY	Owen Jefferson
L2540375-01Y	SVial-W	INTACT	03-JUL-25	CUSTODY	VOA DEAD AMBIENT	CUSTODY Aidan Armas	A4-CUSTODY-VOA DEAD	A4-CUSTODY-VOA DEAD	Aidan Armas
L2540375-01Y	SVial-W	INTACT	01-JUL-25	CUSTODY	GC/MS	Tacila Hovagimian	VOA DEAD AMBIENT CUSTODY	VOA DEAD AMBIENT CUSTODY	Tacila Hovagimian
L2540375-01Y	SVial-W	INTACT	01-JUL-25	CUSTODY	F11-28 CUSTODY	Mackenzie Flanagan	GC/MS	GC/MS	Mackenzie Flanagan
L2540375-01Y	SVial-W	INTACT	27-JUN-25	CUSTODY	CUSTODY	Patrick Biamou	F11-28 CUSTODY	F11-28 CUSTODY	Patrick Biamou

Container ID Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2540375-01Y SVial-W	INTACT	27-JUN-25	LOGIN	LOGIN	Owen Jefferson	CUSTODY	CUSTODY	Owen Jefferson
L2540375-01Z SVial-W	INTACT	03-JUL-25	CUSTODY	F11-28 CUSTODY	Patrick Biamou	F72-29 CUSTODY	F72-29 CUSTODY	Patrick Biamou
L2540375-01Z SVial-W	INTACT	27-JUN-25	CUSTODY	CUSTODY	Patrick Biamou	F11-28 CUSTODY	F11-28 CUSTODY	Patrick Biamou
L2540375-01Z SVial-W	INTACT	27-JUN-25	LOGIN	LOGIN	Owen Jefferson	CUSTODY	CUSTODY	Owen Jefferson
L2540375-02A Encore-5	EMPTY	27-JUN-25	CUSTODY	CUSTODY	Patrick Biamou	VOA CUSTODY	VOA CUSTODY	Patrick Biamou
L2540375-02A Encore-5	INTACT	27-JUN-25	LOGIN	LOGIN	Owen Jefferson	CUSTODY	CUSTODY	Owen Jefferson
L2540375-02B Encore-5	EMPTY	27-JUN-25	CUSTODY	VOA CUSTODY	Patrick Biamou	VOA CUSTODY	VOA CUSTODY	Patrick Biamou
L2540375-02B Encore-5	INTACT	27-JUN-25	CUSTODY	CUSTODY	Patrick Biamou	VOA CUSTODY	VOA CUSTODY	Patrick Biamou
L2540375-02B Encore-5	INTACT	27-JUN-25	LOGIN	LOGIN	Owen Jefferson	CUSTODY	CUSTODY	Owen Jefferson
L2540375-02C Encore-5	EMPTY	27-JUN-25	CUSTODY	VOA CUSTODY	Patrick Biamou	VOA CUSTODY	VOA CUSTODY	Patrick Biamou
L2540375-02C Encore-5	INTACT	27-JUN-25	CUSTODY	CUSTODY	Patrick Biamou	VOA CUSTODY	VOA CUSTODY	Patrick Biamou
L2540375-02C Encore-5	INTACT	27-JUN-25	LOGIN	LOGIN	Owen Jefferson	CUSTODY	CUSTODY	Owen Jefferson
L2540375-02D Encore-25	INTACT	27-JUN-25	CUSTODY	CUSTODY	Gregory Ramos	VOA CUSTODY	VOA CUSTODY	Gregory Ramos
L2540375-02D Encore-25	INTACT	27-JUN-25	LOGIN	LOGIN	Owen Jefferson	CUSTODY	CUSTODY	Owen Jefferson
L2540375-02E Encore-25	EMPTY	27-JUN-25	CUSTODY	CUSTODY	Gregory Ramos	VOA CUSTODY	VOA CUSTODY	Gregory Ramos
L2540375-02E Encore-25	INTACT	27-JUN-25	LOGIN	LOGIN	Owen Jefferson	CUSTODY	CUSTODY	Owen Jefferson
L2540375-02F Glass-AM.06	INTACT	03-JUL-25	A2-CUSTODY-REFRIDGE	A2-METALS PREP	Sarah McLaughlin	A2-CUSTODY-MET1-S13	A2-CUSTODY-MET1-S13	Sarah McLaughlin
L2540375-02F Glass-AM.06	INTACT	03-JUL-25	A2-CUSTODY-REFRIDGE	A2-CUSTODY-MET3-S11	Sarah McLaughlin	A2-METALS PREP	A2-METALS PREP	Sarah McLaughlin
L2540375-02F Glass-AM.06	INTACT	27-JUN-25	A2-CUSTODY-REFRIDGE	A2-CUSTODY	Shea Jamieson	A2-CUSTODY-MET3-S11	A2-CUSTODY-MET3-S11	Shea Jamieson
L2540375-02F Glass-AM.06	INTACT	27-JUN-25	TRANSIT COURIER	COOLER19-TRANSFER_TO_MANSFIELD	Owen Jefferson	A2-CUSTODY	A2-CUSTODY	Marcelo Buden
L2540375-02F Glass-AM.06	INTACT	27-JUN-25	COOLER19-TRANSFER_TO_MANSFIELD	COOLER19-TRANSFER_TO_MANSFIELD	Owen Jefferson	TRANSIT COURIER	COOLER19-TRANSFER_TO_MANSFIELD	Owen Jefferson
L2540375-02F Glass-AM.06	INTACT	27-JUN-25		CUSTODY	Owen Jefferson	COOLER19-TRANSFER_TO_MANSFIELD	COOLER19-TRANSFER_TO_MANSFIELD	Owen Jefferson
L2540375-02F Glass-AM.06	INTACT	27-JUN-25	LOGIN	LOGIN	Owen Jefferson	CUSTODY	CUSTODY	Owen Jefferson
L2540375-02G Plastic-A-TS	INTACT	27-JUN-25		CUSTODY	Owen Jefferson	LOGIN	LOGIN	Owen Jefferson
L2540375-02G Plastic-A-TS	INTACT	27-JUN-25	LOGIN	LOGIN	Owen Jefferson	CUSTODY	CUSTODY	Owen Jefferson

Container ID	Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2540375-02H	Glass-A.25	INTACT	29-JUN-25	CUSTODY	W9-S2-D CUSTODY	Sam Bardsley	W9-S2-B CUSTODY	W9-S2-B CUSTODY	Sam Bardsley
L2540375-02H	Glass-A.25	INTACT	27-JUN-25	CUSTODY	RETURN WALK-IN CUSTODY	Elizabeth Grace	W9-S2-D CUSTODY	W9-S2-D CUSTODY	Elizabeth Grace
L2540375-02H	Tumble Vessel	INTACT	27-JUN-25		CUSTODY	Prince Asare	RETURN WALK-IN CUSTODY	RETURN WALK-IN CUSTODY	Prince Asare
L2540375-02H	Tumble Vessel	INTACT	27-JUN-25	LOGIN	LOGIN	Owen Jefferson	CUSTODY	CUSTODY	Owen Jefferson
L2540375-02T	EPlastic-C.25	INTACT	03-JUL-25	A2-CUSTODY-REFRIDGE	A2-CUSTODY-METPREP1	Alexander Gonatas	A2-CUSTODY-WH-1C	A2-CUSTODY-WH-1C	Alexander Gonatas
L2540375-02T	EPlastic-C.25	INTACT	28-JUN-25	A2-CUSTODY-REFRIDGE	A2-CUSTODY	Bethany Bedard	A2-CUSTODY-METPREP1	A2-CUSTODY-METPREP1	Bethany Bedard
L2540375-02T	EPlastic-C.25	INTACT	28-JUN-25	TRANSIT COURIER	COOLER45-TRANSFER_TO_MANSFIELD	Prince Asare	A2-CUSTODY	A2-CUSTODY	Ashley Lang
L2540375-02T	EPlastic-C.25	INTACT	28-JUN-25	COOLER45-TRANSFER_TO_MANSFIELD	COOLER45-TRANSFER_TO_MANSFIELD	Prince Asare		TRANSIT COURIER	COOLER45-TRANSFER_TO_MANSFIELD
L2540375-02T	EPlastic-C.25	INTACT	28-JUN-25		CUSTODY	Prince Asare	COOLER45-TRANSFER_TO_MANSFIELD	COOLER45-TRANSFER_TO_MANSFIELD	Prince Asare
L2540375-02T	EPlastic-C.25	INTACT	27-JUN-25	LOGIN	LOGIN	Owen Jefferson	CUSTODY	CUSTODY	Owen Jefferson
L2540375-02U	EVial-A	INTACT	01-JUL-25	CUSTODY	GC/MS	Gregory Ramos	VOA-DEAD-CUSTODY-140	VOA-DEAD-CUSTODY-140	Gregory Ramos
L2540375-02U	EVial-A	INTACT	01-JUL-25	CUSTODY	VOA-DEAD-CUSTODY-363	Gregory Ramos	GC/MS	GC/MS	Gregory Ramos
L2540375-02U	EVial-A	INTACT	01-JUL-25	CUSTODY	GC/MS	Gregory Ramos	VOA-DEAD-CUSTODY-363	VOA-DEAD-CUSTODY-363	Gregory Ramos
L2540375-02U	EVial-A	INTACT	01-JUL-25	CUSTODY	VOA-DEAD-CUSTODY-376	Gregory Ramos	GC/MS	GC/MS	Gregory Ramos
L2540375-02U	EVial-A	INTACT	29-JUN-25	CUSTODY	GC/MS	Mike May	VOA-DEAD-CUSTODY-376	VOA-DEAD-CUSTODY-376	Mike May
L2540375-02U	EVial-A	INTACT	28-JUN-25	CUSTODY	CUSTODY	Mike May	GC/MS	GC/MS	Mike May
L2540375-02U	EVial-A	INTACT	27-JUN-25	LOGIN	LOGIN	Owen Jefferson	CUSTODY	CUSTODY	Owen Jefferson
L2540375-02V	EVial-A	INTACT	28-JUN-25	CUSTODY	CUSTODY	Gregory Ramos	V48-32 CUSTODY	V48-32 CUSTODY	Gregory Ramos
L2540375-02V	EVial-A	INTACT	27-JUN-25	LOGIN	LOGIN	Owen Jefferson	CUSTODY	CUSTODY	Owen Jefferson
L2540375-02W	EVial-A	INTACT	28-JUN-25	CUSTODY	CUSTODY	Gregory Ramos	V48-32 CUSTODY	V48-32 CUSTODY	Gregory Ramos
L2540375-02W	EVial-A	INTACT	27-JUN-25	LOGIN	LOGIN	Owen Jefferson	CUSTODY	CUSTODY	Owen Jefferson
L2540375-02X	SVial-F	INTACT	01-JUL-25	CUSTODY	GC/MS	Amanda Kennedy	V49-29 CUSTODY	V49-29 CUSTODY	Amanda Kennedy
L2540375-02X	SVial-F	INTACT	01-JUL-25	CUSTODY	V49-05 CUSTODY	Mackenzie Flanagan	GC/MS	GC/MS	Mackenzie Flanagan
L2540375-02X	SVial-F	INTACT	29-JUN-25	CUSTODY	GC/MS	Gregory Ramos	V49-05 CUSTODY	V49-05 CUSTODY	Gregory Ramos
L2540375-02X	SVial-F	INTACT	29-JUN-25	CUSTODY	V49-04 CUSTODY	Tacila Hovagimian	GC/MS	GC/MS	Tacila Hovagimian

Container ID Type	Status	Transaction Date	From Response	Location	To Operator	Response	Location	Operator
L2540375-02X SVial-F	INTACT	27-JUN-25	CUSTODY	CUSTODY	Patrick Biamou	V49-04 CUSTODY	V49-04 CUSTODY	Patrick Biamou
L2540375-02X SVial-F	INTACT	27-JUN-25	LOGIN	LOGIN	Owen Jefferson	CUSTODY	CUSTODY	Owen Jefferson
L2540375-02Y SVial-W	INTACT	03-JUL-25	CUSTODY	VOA DEAD AMBIENT	CUSTODY Aidan Armas	A4-CUSTODY-VOA DEAD	A4-CUSTODY-VOA DEAD	Aidan Armas
L2540375-02Y SVial-W	INTACT	03-JUL-25	CUSTODY	GC/MS	Mackenzie Flanagan	VOA DEAD AMBIENT	CUSTODY VOA DEAD AMBIENT	CUSTODY Mackenzie Flanagan
L2540375-02Y SVial-W	INTACT	02-JUL-25	CUSTODY	F11-28 CUSTODY	Mackenzie Flanagan	GC/MS	GC/MS	Mackenzie Flanagan
L2540375-02Y SVial-W	INTACT	27-JUN-25	CUSTODY	CUSTODY	Patrick Biamou	F11-28 CUSTODY	F11-28 CUSTODY	Patrick Biamou
L2540375-02Y SVial-W	INTACT	27-JUN-25	LOGIN	LOGIN	Owen Jefferson	CUSTODY	CUSTODY	Owen Jefferson
L2540375-02Z SVial-W	INTACT	03-JUL-25	CUSTODY	F11-28 CUSTODY	Patrick Biamou	F72-29 CUSTODY	F72-29 CUSTODY	Patrick Biamou
L2540375-02Z SVial-W	INTACT	27-JUN-25	CUSTODY	CUSTODY	Patrick Biamou	F11-28 CUSTODY	F11-28 CUSTODY	Patrick Biamou
L2540375-02Z SVial-W	INTACT	27-JUN-25	LOGIN	LOGIN	Owen Jefferson	CUSTODY	CUSTODY	Owen Jefferson

Methodology Review

Project Name: RAMSEY SD
Project Number: RAMSEY SD

Lab Number: L2540375
Report Date: 07/03/25

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Laboratory Chronicle

Project Name: RAMSEY SD

Project Number: RAMSEY SD

Lab Number: L2540375

Report Date: 07/03/25

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2540375-01A	5 gram Encore Sampler	NA	NA			Y	Absent		NJ-8260HLW(14)
L2540375-01B	5 gram Encore Sampler	NA	NA			Y	Absent		NJ-8260HLW(14)
L2540375-01C	5 gram Encore Sampler	NA	NA			Y	Absent		NJ-8260HLW(14)
L2540375-01D	25 gram Encore Sampler	NA	NA			Y	Absent		NJ-SPLP-EXT-ZHE(2)
L2540375-01E	25 gram Encore Sampler	NA	NA			Y	Absent		NJ-SPLP-EXT-ZHE(2)
L2540375-01F	Metals Only-Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		PB-TI(180)
L2540375-01G	Plastic 2oz unpreserved for TS	NA	NA			Y	Absent		TS(7)
L2540375-01H	Glass 250ml/8oz unpreserved	NA	NA			Y	Absent		-
L2540375-01T	Plastic 250ml HNO3 preserved Extracts	NA	NA			Y	Absent		SPLP-PB-6020T-PPB(180)
L2540375-01U	Vial unpreserved Extracts	NA	NA			Y	Absent		NJ-SPLP-VOA(14)
L2540375-01V	Vial unpreserved Extracts	NA	NA			Y	Absent		NJ-SPLP-VOA(14)
L2540375-01W	Vial unpreserved Extracts	NA	NA			Y	Absent		NJ-SPLP-VOA(14)
L2540375-01X	Vial MeOH preserved split	NA	NA			Y	Absent		NJ-8260HLW(14)
L2540375-01X9	Tumble Vessel	NA	NA			Y	Absent		-
L2540375-01Y	Vial Water preserved split	NA	NA			Y	Absent	27-JUN-25 11:52	NJ-8260HLW(14)
L2540375-01Z	Vial Water preserved split	NA	NA			Y	Absent	27-JUN-25 11:52	NJ-8260HLW(14)
L2540375-02A	5 gram Encore Sampler	NA	NA			Y	Absent		NJ-8260HLW(14)
L2540375-02B	5 gram Encore Sampler	NA	NA			Y	Absent		NJ-8260HLW(14)
L2540375-02C	5 gram Encore Sampler	NA	NA			Y	Absent		NJ-8260HLW(14)
L2540375-02D	25 gram Encore Sampler	NA	NA			Y	Absent		NJ-SPLP-EXT-ZHE(2)
L2540375-02E	25 gram Encore Sampler	NA	NA			Y	Absent		NJ-SPLP-EXT-ZHE(2)
L2540375-02F	Metals Only-Glass 60mL/2oz unpreserved	NA	NA			Y	Absent		PB-TI(180)
L2540375-02G	Plastic 2oz unpreserved for TS	NA	NA			Y	Absent		TS(7)

*Values in parentheses indicate holding time in days

Project Name: RAMSEY SD

Project Number: RAMSEY SD

Lab Number: L2540375

Report Date: 07/03/25

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2540375-02H	Glass 250ml/8oz unpreserved	NA	NA			Y	Absent		-
L2540375-02T	Plastic 250ml HNO3 preserved Extracts	NA	NA			Y	Absent		SPLP-PB-6020T-PPB(180)
L2540375-02U	Vial unpreserved Extracts	NA	NA			Y	Absent		NJ-SPLP-VOA(14)
L2540375-02V	Vial unpreserved Extracts	NA	NA			Y	Absent		NJ-SPLP-VOA(14)
L2540375-02W	Vial unpreserved Extracts	NA	NA			Y	Absent		NJ-SPLP-VOA(14)
L2540375-02X	Vial MeOH preserved split	NA	NA			Y	Absent		NJ-8260HLW(14)
L2540375-02X9	Tumble Vessel	NA	NA			Y	Absent		-
L2540375-02Y	Vial Water preserved split	NA	NA			Y	Absent	27-JUN-25 11:52	NJ-8260HLW(14)
L2540375-02Z	Vial Water preserved split	NA	NA			Y	Absent	27-JUN-25 11:52	NJ-8260HLW(14)

NJ DEP
Data of Known Quality Protocols
Conformance/Non-Conformance
Summary Questionnaire

Project Name: RAMSEY SD
Project Number: RAMSEY SD

Lab Number: L2540375
Report Date: 07/03/25

**NJ DEP Data of Known Quality Protocols
Conformance/Non-Conformance
Summary Questionnaire**

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
1a	Were the method specified handling, preservation, and holding time requirements met?	YES
1b	EPH Method: Was the EPH Method conducted without significant modifications (see Section 11.3 of respective DKQ methods)?	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
3	Were all samples received at an appropriate temperature ($4 \pm 2^{\circ} \text{C}$)?	YES
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	NO
5a	Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt?	YES
5b	Were these reporting limits met?	NO
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
7	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	YES

Note: For all questions to which the response was "No" (with the exception of question #7), additional information must 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".



Conformance/Non-Conformance Summary

Project Name: RAMSEY SD
Project Number: RAMSEY SD

Lab Number: L2540375
Report Date: 07/03/25

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: RAMSEY SD
Project Number: RAMSEY SD

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Report Date: 07/03/25

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

DKQP Related Narratives

Sample Receipt

L2540375-01: The collection date and time on the chain of custody was 26-JUN-25 10:30; however, the collection date/time on the container label was 26-JUN-25 10:40. At the client's request, the collection date/time is reported as 26-JUN-25 10:30.

Volatile Organics

In reference to question 5b:

L2540375-01 and -02: One or more of the target analytes did not achieve the requested regulatory limits.

In reference to question 4:

The WG2086622-5 Method Blank associated with L2540375-02 has a concentration above the reporting limit for bromomethane. The results of the original analyses are reported and are qualified with a "B" for any associated sample concentrations detected for this analyte.

SPLP Volatiles

In reference to question 5b:

L2540375-01 and -02: One or more of the target analytes did not achieve the requested regulatory limits.

In reference to question 4:

WG2084905-3: One or more compounds failed to meet the DKQP recovery and/or RPD limits. Please refer to the QC section of the report for specific details.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: *Siffani Morrissey*

Report Date: 07/03/25

Title: Technical Director/Representative



Glossary

DATA PACKAGE GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



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Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

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Data Qualifiers

the identification is based on a mass spectral library search.

- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.
- ND or U** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



SPLP Extraction Data

SPLP Extraction Data Volatile Organics

Results Summary

Form 1

SPLP ZHE Extraction Data by EPA 1312

Client : Phoenix Environmental Project Name : RAMSEY SD Lab ID : L2540375-01 Client ID : UST-E1 Sample Location : RAMSEY, NJ Sample Matrix : SOIL Analytical Method : 1,1312 Lab File ID : Sample Amount : 0.025 Level : LOW Extract Volume (MeOH) : N/A	Lab Number : L2540375 Project Number : RAMSEY SD Date Collected : 06/26/25 10:30 Date Received : 06/26/25 Date Analyzed : 07/01/25 07:51 Dilution Factor : 1 Analyst : GAR Instrument ID : GC Column : %Solids : 83 Injection Volume : N/A
---	---

CAS NO.	Parameter	Results	Units	RL	MDL	Qualifier
NONE	Sample Weight	0.025	kg	-	NA	
NONE	Leachate Volume	0.500	l	-	NA	
NONE	pH, Extraction Post-Filtration	8.85	SU	-	NA	



Results Summary

Form 1

SPLP ZHE Extraction Data by EPA 1312

Client : Phoenix Environmental Project Name : RAMSEY SD Lab ID : L2540375-02 Client ID : UST-E2 Sample Location : RAMSEY, NJ Sample Matrix : SOIL Analytical Method : 1,1312 Lab File ID : Sample Amount : 0.025 Level : LOW Extract Volume (MeOH) : N/A	Lab Number : L2540375 Project Number : RAMSEY SD Date Collected : 06/26/25 13:30 Date Received : 06/26/25 Date Analyzed : 07/01/25 07:51 Dilution Factor : 1 Analyst : GAR Instrument ID : GC Column : %Solids : 81 Injection Volume : N/A
---	---

CAS NO.	Parameter	Results	Units	RL	MDL	Qualifier
NONE	Sample Weight	0.025	kg	-	NA	
NONE	Leachate Volume	0.500	l	-	NA	
NONE	pH, Extraction Post-Filtration	7.87	SU	-	NA	



SPLP Extraction Data

Non- Volatiles

Results Summary
Form 1
SPLP Extraction Data by EPA 1312

Client : Phoenix Environmental
Project Name : RAMSEY SD
Lab ID : L2540375-01
Client ID : UST-E1
Sample Location : RAMSEY, NJ
Sample Matrix : SOIL
Analytical Method : 1,1312
Lab File ID : --
Sample Amount : 0.1kg

Lab Number : L2540375
Project Number : RAMSEY SD
Date Collected : 06/26/25 10:30
Date Received : 06/26/25
Date Analyzed : 06/27/25 21:30
Dilution Factor : 1
Analyst : JW
Instrument ID :
%Solids : 83

CAS NO.	Parameter	Results	Units	RL	MDL	Qualifier
NONE	Sample Weight	0.100	kg	-	NA	
NONE	Leachate Volume	2.00	l	-	NA	
NONE	pH, Extraction Post-Filtration	9.95	SU	-	NA	



Results Summary

Form 1

SPLP Extraction Data by EPA 1312

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : L2540375-02
 Client ID : UST-E2
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 1,1312
 Lab File ID : --
 Sample Amount : 0.1kg

Lab Number : L2540375
 Project Number : RAMSEY SD
 Date Collected : 06/26/25 13:30
 Date Received : 06/26/25
 Date Analyzed : 06/27/25 21:30
 Dilution Factor : 1
 Analyst : JW
 Instrument ID :
 %Solids : 81

CAS NO.	Parameter	Results	Units	RL	MDL	Qualifier
NONE	Sample Weight	0.100	kg	-	NA	
NONE	Leachate Volume	2.00	l	-	NA	
NONE	pH, Extraction Post-Filtration	10.1	SU	-	NA	



Results Summary

Form 1

SPLP Extraction Data by EPA 1312

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : WG2084839-1
 Client ID : WG2084839-1BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,1312
 Lab File ID : --
 Sample Amount : 0kg

Lab Number : L2540375
 Project Number : RAMSEY SD
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 06/27/25 21:30
 Dilution Factor : 1
 Analyst : JW
 Instrument ID :
 %Solids : NA

CAS NO.	Parameter	Results	Units	RL	MDL	Qualifier
NONE	Sample Weight	ND	kg	-	NA	U
NONE	Leachate Volume	2.00	I	-	NA	
NONE	pH, Extraction Post-Filtration	5.66	SU	-	NA	



Organics

GC/MS 8260

Analysis

Sample Results Summary

Results Summary

Form 1

SPLP Volatiles by EPA 1312

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : L2540375-01
 Client ID : UST-E1
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V16250628A06
 Sample Amount : 10.0 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2540375
 Project Number : RAMSEY SD
 Date Collected : 06/26/25 10:30
 Date Received : 06/26/25
 Date Analyzed : 06/28/25 08:00
 Dilution Factor : 1
 Analyst : MCM
 Instrument ID : VOA116
 GC Column : RTX-502.2
 %Solids : 83
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.35	U
123-91-1	1,4-Dioxane	ND	250	61.	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.19	U
75-09-2	Methylene chloride	ND	2.5	0.68	U
75-34-3	1,1-Dichloroethane	ND	0.75	0.21	U
67-66-3	Chloroform	ND	0.75	0.22	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	0.50	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.14	U
127-18-4	Tetrachloroethene	ND	0.40	0.06	U
108-90-7	Chlorobenzene	ND	0.50	0.18	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.16	U
107-06-2	1,2-Dichloroethane	ND	0.30	0.05	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.16	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.40	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.40	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.40	0.14	U
75-25-2	Bromoform	ND	2.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.06	U
71-43-2	Benzene	ND	0.40	0.08	U
108-88-3	Toluene	ND	0.75	0.20	U
100-41-4	Ethylbenzene	ND	0.50	0.17	U
74-87-3	Chloromethane	ND	2.5	0.20	U



Results Summary

Form 1

SPLP Volatiles by EPA 1312

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : L2540375-01
 Client ID : UST-E1
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V16250628A06
 Sample Amount : 10.0 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2540375
 Project Number : RAMSEY SD
 Date Collected : 06/26/25 10:30
 Date Received : 06/26/25
 Date Analyzed : 06/28/25 08:00
 Dilution Factor : 1
 Analyst : MCM
 Instrument ID : VOA116
 GC Column : RTX-502.2
 %Solids : 83
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
74-83-9	Bromomethane	ND	1.0	0.26	U
75-01-4	Vinyl chloride	ND	0.20	0.07	U
75-00-3	Chloroethane	ND	1.0	0.13	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	0.75	0.16	U
79-01-6	Trichloroethene	ND	0.20	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.18	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.19	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.19	U
1634-04-4	Methyl tert butyl ether	ND	1.0	0.17	U
179601-23-1	p/m-Xylene	ND	1.0	0.33	U
95-47-6	o-Xylene	ND	1.0	0.39	U
1330-20-7	Xylenes, Total	ND	1.0	0.33	U
156-59-2	cis-1,2-Dichloroethene	ND	0.50	0.19	U
540-59-0	1,2-Dichloroethene, Total	ND	0.50	0.16	U
100-42-5	Styrene	ND	1.0	0.36	U
75-71-8	Dichlorodifluoromethane	ND	5.0	0.24	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	0.30	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	0.42	U
591-78-6	2-Hexanone	ND	5.0	0.52	U
74-97-5	Bromochloromethane	ND	2.5	0.15	U
98-82-8	Isopropylbenzene	ND	0.50	0.19	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.23	U



Results Summary

Form 1

SPLP Volatiles by EPA 1312

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : L2540375-01
 Client ID : UST-E1
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V16250628A06
 Sample Amount : 10.0 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2540375
 Project Number : RAMSEY SD
 Date Collected : 06/26/25 10:30
 Date Received : 06/26/25
 Date Analyzed : 06/28/25 08:00
 Dilution Factor : 1
 Analyst : MCM
 Instrument ID : VOA116
 GC Column : RTX-502.2
 %Solids : 83
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.22	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U
76-13-1	Freon-113	ND	2.5	0.15	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : L2540375-01
 Client ID : UST-E1
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V04250701A17
 Sample Amount : 5.7 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2540375
 Project Number : RAMSEY SD
 Date Collected : 06/26/25 10:30
 Date Received : 06/26/25
 Date Analyzed : 07/01/25 14:09
 Dilution Factor : 1
 Analyst : AJK
 Instrument ID : VOA104
 GC Column : RTX-VMS
 %Solids : 83
 Injection Volume : N/A

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0032	0.0010	U
123-91-1	1,4-Dioxane	ND	0.084	0.037	U
106-93-4	1,2-Dibromoethane	ND	0.0010	0.00029	U
75-09-2	Methylene chloride	ND	0.0053	0.0024	U
75-34-3	1,1-Dichloroethane	ND	0.0010	0.00015	U
67-66-3	Chloroform	ND	0.0016	0.00015	U
56-23-5	Carbon tetrachloride	ND	0.0010	0.00024	U
78-87-5	1,2-Dichloropropane	ND	0.0010	0.00013	U
124-48-1	Dibromochloromethane	ND	0.0010	0.00015	U
79-00-5	1,1,2-Trichloroethane	ND	0.0010	0.00028	U
127-18-4	Tetrachloroethene	ND	0.00053	0.00021	U
108-90-7	Chlorobenzene	ND	0.00053	0.00013	U
75-69-4	Trichlorofluoromethane	ND	0.0042	0.00073	U
107-06-2	1,2-Dichloroethane	ND	0.0010	0.00027	U
71-55-6	1,1,1-Trichloroethane	ND	0.00053	0.00018	U
75-27-4	Bromodichloromethane	ND	0.00053	0.00011	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.0010	0.00029	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.00053	0.00017	U
542-75-6	1,3-Dichloropropene, Total	ND	0.00053	0.00017	U
75-25-2	Bromoform	ND	0.0042	0.00026	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.00053	0.00018	U
71-43-2	Benzene	ND	0.00053	0.00018	U
108-88-3	Toluene	ND	0.0010	0.00057	U
100-41-4	Ethylbenzene	ND	0.0010	0.00015	U
74-87-3	Chloromethane	ND	0.0042	0.00098	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : L2540375-01
 Client ID : UST-E1
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V04250701A17
 Sample Amount : 5.7 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2540375
 Project Number : RAMSEY SD
 Date Collected : 06/26/25 10:30
 Date Received : 06/26/25
 Date Analyzed : 07/01/25 14:09
 Dilution Factor : 1
 Analyst : AJK
 Instrument ID : VOA104
 GC Column : RTX-VMS
 %Solids : 83
 Injection Volume : N/A

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
74-83-9	Bromomethane	ND	0.0021	0.00061	U
75-01-4	Vinyl chloride	ND	0.0010	0.00035	U
75-00-3	Chloroethane	ND	0.0021	0.00048	U
75-35-4	1,1-Dichloroethene	ND	0.0010	0.00025	U
156-60-5	trans-1,2-Dichloroethene	ND	0.0016	0.00014	U
79-01-6	Trichloroethene	ND	0.00053	0.00014	U
95-50-1	1,2-Dichlorobenzene	ND	0.0021	0.00015	U
541-73-1	1,3-Dichlorobenzene	ND	0.0021	0.00016	U
106-46-7	1,4-Dichlorobenzene	ND	0.0021	0.00018	U
1634-04-4	Methyl tert butyl ether	ND	0.0021	0.00021	U
179601-23-1	p/m-Xylene	ND	0.0021	0.00059	U
95-47-6	o-Xylene	ND	0.0010	0.00031	U
1330-20-7	Xylenes, Total	ND	0.0010	0.00031	U
156-59-2	cis-1,2-Dichloroethene	ND	0.0010	0.00018	U
540-59-0	1,2-Dichloroethene, Total	ND	0.0010	0.00014	U
100-42-5	Styrene	ND	0.0010	0.00021	U
75-71-8	Dichlorodifluoromethane	ND	0.010	0.00096	U
67-64-1	Acetone	0.018	0.026	0.010	J
75-15-0	Carbon disulfide	ND	0.010	0.0048	U
78-93-3	2-Butanone	ND	0.010	0.0023	U
108-10-1	4-Methyl-2-pentanone	ND	0.010	0.0014	U
591-78-6	2-Hexanone	ND	0.010	0.0012	U
74-97-5	Bromochloromethane	ND	0.0021	0.00022	U
98-82-8	Isopropylbenzene	ND	0.0010	0.00011	U
87-61-6	1,2,3-Trichlorobenzene	ND	0.0021	0.00034	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : L2540375-01
 Client ID : UST-E1
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V04250701A17
 Sample Amount : 5.7 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2540375
 Project Number : RAMSEY SD
 Date Collected : 06/26/25 10:30
 Date Received : 06/26/25
 Date Analyzed : 07/01/25 14:09
 Dilution Factor : 1
 Analyst : AJK
 Instrument ID : VOA104
 GC Column : RTX-VMS
 %Solids : 83
 Injection Volume : N/A

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0021	0.00029	U
79-20-9	Methyl Acetate	ND	0.0042	0.0010	U
110-82-7	Cyclohexane	ND	0.010	0.00057	U
108-87-2	Methyl cyclohexane	ND	0.0042	0.00064	U
76-13-1	Freon-113	ND	0.0042	0.00073	U



Tentatively Identified Compounds
Form 1
Volatile Organics by EPA 5035

Client : Phoenix Environmental
Project Name : RAMSEY SD
Lab ID : L2540375-01
Client ID : UST-E1
Sample Location : RAMSEY, NJ
Sample Matrix : SOIL
Analytical Method : 1,8260D
Lab File ID : V04250701A17
Sample Amount :
Level :
Extract Volume (MeOH) : NA

Lab Number : L2540375
Project Number : RAMSEY SD
Date Collected : 06/26/25 10:30
Date Received : 06/26/25
Date Analyzed : 07/01/25 14:09
Dilution Factor : 1
Analyst : AJK
Instrument ID : VOA104
GC Column :
%Solids : 83
Injection Volume : 1

Number TICS found: 0

Concentration Units: mg/kg

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
NO TENTATIVELY IDENTIFIED COMPOUNDS				



Results Summary

Form 1

SPLP Volatiles by EPA 1312

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : L2540375-02
 Client ID : UST-E2
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V16250628A07
 Sample Amount : 10.0 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2540375
 Project Number : RAMSEY SD
 Date Collected : 06/26/25 13:30
 Date Received : 06/26/25
 Date Analyzed : 06/28/25 08:23
 Dilution Factor : 1
 Analyst : MCM
 Instrument ID : VOA116
 GC Column : RTX-502.2
 %Solids : 81
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.35	U
123-91-1	1,4-Dioxane	ND	250	61.	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.19	U
75-09-2	Methylene chloride	ND	2.5	0.68	U
75-34-3	1,1-Dichloroethane	ND	0.75	0.21	U
67-66-3	Chloroform	ND	0.75	0.22	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	0.50	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.14	U
127-18-4	Tetrachloroethene	ND	0.40	0.06	U
108-90-7	Chlorobenzene	ND	0.50	0.18	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.16	U
107-06-2	1,2-Dichloroethane	ND	0.30	0.05	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.16	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.40	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.40	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.40	0.14	U
75-25-2	Bromoform	ND	2.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.06	U
71-43-2	Benzene	ND	0.40	0.08	U
108-88-3	Toluene	ND	0.75	0.20	U
100-41-4	Ethylbenzene	ND	0.50	0.17	U
74-87-3	Chloromethane	ND	2.5	0.20	U



Results Summary

Form 1

SPLP Volatiles by EPA 1312

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : L2540375-02
 Client ID : UST-E2
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V16250628A07
 Sample Amount : 10.0 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2540375
 Project Number : RAMSEY SD
 Date Collected : 06/26/25 13:30
 Date Received : 06/26/25
 Date Analyzed : 06/28/25 08:23
 Dilution Factor : 1
 Analyst : MCM
 Instrument ID : VOA116
 GC Column : RTX-502.2
 %Solids : 81
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
74-83-9	Bromomethane	ND	1.0	0.26	U
75-01-4	Vinyl chloride	ND	0.20	0.07	U
75-00-3	Chloroethane	ND	1.0	0.13	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	0.75	0.16	U
79-01-6	Trichloroethene	ND	0.20	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.18	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.19	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.19	U
1634-04-4	Methyl tert butyl ether	ND	1.0	0.17	U
179601-23-1	p/m-Xylene	ND	1.0	0.33	U
95-47-6	o-Xylene	ND	1.0	0.39	U
1330-20-7	Xylenes, Total	ND	1.0	0.33	U
156-59-2	cis-1,2-Dichloroethene	ND	0.50	0.19	U
540-59-0	1,2-Dichloroethene, Total	ND	0.50	0.16	U
100-42-5	Styrene	ND	1.0	0.36	U
75-71-8	Dichlorodifluoromethane	ND	5.0	0.24	U
67-64-1	Acetone	16	5.0	1.5	
75-15-0	Carbon disulfide	ND	5.0	0.30	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	0.42	U
591-78-6	2-Hexanone	ND	5.0	0.52	U
74-97-5	Bromochloromethane	ND	2.5	0.15	U
98-82-8	Isopropylbenzene	ND	0.50	0.19	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.23	U



Results Summary

Form 1

SPLP Volatiles by EPA 1312

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : L2540375-02
 Client ID : UST-E2
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V16250628A07
 Sample Amount : 10.0 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2540375
 Project Number : RAMSEY SD
 Date Collected : 06/26/25 13:30
 Date Received : 06/26/25
 Date Analyzed : 06/28/25 08:23
 Dilution Factor : 1
 Analyst : MCM
 Instrument ID : VOA116
 GC Column : RTX-502.2
 %Solids : 81
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.22	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	0.62	10	0.27	J
108-87-2	Methyl cyclohexane	2.0	10	0.40	J
76-13-1	Freon-113	ND	2.5	0.15	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : L2540375-02
 Client ID : UST-E2
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V17250702A07
 Sample Amount : 6.0 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2540375
 Project Number : RAMSEY SD
 Date Collected : 06/26/25 13:30
 Date Received : 06/26/25
 Date Analyzed : 07/02/25 09:33
 Dilution Factor : 1
 Analyst : AJK
 Instrument ID : VOA117
 GC Column : RTX-VMS
 %Solids : 81
 Injection Volume : N/A

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0031	0.0010	U
123-91-1	1,4-Dioxane	ND	0.083	0.036	U
106-93-4	1,2-Dibromoethane	ND	0.0010	0.00029	U
75-09-2	Methylene chloride	ND	0.0052	0.0024	U
75-34-3	1,1-Dichloroethane	ND	0.0010	0.00015	U
67-66-3	Chloroform	ND	0.0016	0.00014	U
56-23-5	Carbon tetrachloride	ND	0.0010	0.00024	U
78-87-5	1,2-Dichloropropane	ND	0.0010	0.00013	U
124-48-1	Dibromochloromethane	ND	0.0010	0.00014	U
79-00-5	1,1,2-Trichloroethane	ND	0.0010	0.00028	U
127-18-4	Tetrachloroethene	ND	0.00052	0.00020	U
108-90-7	Chlorobenzene	ND	0.00052	0.00013	U
75-69-4	Trichlorofluoromethane	ND	0.0041	0.00072	U
107-06-2	1,2-Dichloroethane	ND	0.0010	0.00026	U
71-55-6	1,1,1-Trichloroethane	ND	0.00052	0.00017	U
75-27-4	Bromodichloromethane	ND	0.00052	0.00011	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.0010	0.00028	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.00052	0.00016	U
542-75-6	1,3-Dichloropropene, Total	ND	0.00052	0.00016	U
75-25-2	Bromoform	ND	0.0041	0.00025	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.00052	0.00017	U
71-43-2	Benzene	ND	0.00052	0.00017	U
108-88-3	Toluene	ND	0.0010	0.00056	U
100-41-4	Ethylbenzene	ND	0.0010	0.00014	U
74-87-3	Chloromethane	ND	0.0041	0.00096	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : L2540375-02
 Client ID : UST-E2
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V17250702A07
 Sample Amount : 6.0 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2540375
 Project Number : RAMSEY SD
 Date Collected : 06/26/25 13:30
 Date Received : 06/26/25
 Date Analyzed : 07/02/25 09:33
 Dilution Factor : 1
 Analyst : AJK
 Instrument ID : VOA117
 GC Column : RTX-VMS
 %Solids : 81
 Injection Volume : N/A

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
74-83-9	Bromomethane	ND	0.0021	0.00060	U
75-01-4	Vinyl chloride	ND	0.0010	0.00035	U
75-00-3	Chloroethane	ND	0.0021	0.00047	U
75-35-4	1,1-Dichloroethene	ND	0.0010	0.00025	U
156-60-5	trans-1,2-Dichloroethene	ND	0.0016	0.00014	U
79-01-6	Trichloroethene	ND	0.00052	0.00014	U
95-50-1	1,2-Dichlorobenzene	ND	0.0021	0.00015	U
541-73-1	1,3-Dichlorobenzene	ND	0.0021	0.00015	U
106-46-7	1,4-Dichlorobenzene	ND	0.0021	0.00018	U
1634-04-4	Methyl tert butyl ether	ND	0.0021	0.00021	U
179601-23-1	p/m-Xylene	0.00069	0.0021	0.00058	J
95-47-6	o-Xylene	ND	0.0010	0.00030	U
1330-20-7	Xylenes, Total	0.00069	0.0010	0.00030	J
156-59-2	cis-1,2-Dichloroethene	ND	0.0010	0.00018	U
540-59-0	1,2-Dichloroethene, Total	ND	0.0010	0.00014	U
100-42-5	Styrene	ND	0.0010	0.00020	U
75-71-8	Dichlorodifluoromethane	ND	0.010	0.00095	U
67-64-1	Acetone	ND	0.026	0.010	U
75-15-0	Carbon disulfide	ND	0.010	0.0047	U
78-93-3	2-Butanone	ND	0.010	0.0023	U
108-10-1	4-Methyl-2-pentanone	ND	0.010	0.0013	U
591-78-6	2-Hexanone	ND	0.010	0.0012	U
74-97-5	Bromochloromethane	ND	0.0021	0.00021	U
98-82-8	Isopropylbenzene	0.0021	0.0010	0.00011	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0021	0.00033	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : L2540375-02
 Client ID : UST-E2
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V17250702A07
 Sample Amount : 6.0 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2540375
 Project Number : RAMSEY SD
 Date Collected : 06/26/25 13:30
 Date Received : 06/26/25
 Date Analyzed : 07/02/25 09:33
 Dilution Factor : 1
 Analyst : AJK
 Instrument ID : VOA117
 GC Column : RTX-VMS
 %Solids : 81
 Injection Volume : N/A

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0021	0.00028	U
79-20-9	Methyl Acetate	ND	0.0041	0.00098	U
110-82-7	Cyclohexane	0.025	0.010	0.00056	
108-87-2	Methyl cyclohexane	0.076	0.0041	0.00062	
76-13-1	Freon-113	ND	0.0041	0.00072	U



Tentatively Identified Compounds

Form 1

Volatile Organics by EPA 5035

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : L2540375-02
 Client ID : UST-E2
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V17250702A07
 Sample Amount :
 Level :
 Extract Volume (MeOH) : NA

Lab Number : L2540375
 Project Number : RAMSEY SD
 Date Collected : 06/26/25 13:30
 Date Received : 06/26/25
 Date Analyzed : 07/02/25 09:33
 Dilution Factor : 1
 Analyst : AJK
 Instrument ID : VOA117
 GC Column :
 %Solids : 81
 Injection Volume : 1

Number TICS found: 16

Concentration Units: mg/kg

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
	Unknown	3.24	.0453	J
000565-59-3	Pentane, 2,3-dimethyl-	4.98	.0462	NJ
	Unknown Cycloalkane	5.28	.0318	J
	Unknown Alkane	5.38	.369	J
	Unknown	6.21	.0511	J
	Unknown	6.31	.0394	J
	Unknown Alkane	6.64	.343	J
000560-21-4	Pentane, 2,3,3-trimethyl-	6.78	.504	NJ
	Unknown	6.98	.0382	J
	Unknown Alkane	7.23	.228	J
	Unknown Cyclohexane	7.65	.0319	J
	Unknown	7.79	.0858	J
	Unknown Alkane	7.90	.0347	J
	Unknown	8.47	.0295	J
	Unknown	8.75	.0452	J
	Total TIC Compounds		1.92J	J



Results Summary

Form 1

SPLP Volatiles by EPA 1312

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : WG2084905-5
 Client ID : WG2084905-5BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V16250628A05
 Sample Amount : 10.0 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2540375
 Project Number : RAMSEY SD
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 06/28/25 07:37
 Dilution Factor : 1
 Analyst : MCM
 Instrument ID : VOA116
 GC Column : RTX-502.2
 %Solids : NA
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.35	U
123-91-1	1,4-Dioxane	ND	250	61.	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.19	U
75-09-2	Methylene chloride	ND	2.5	0.68	U
75-34-3	1,1-Dichloroethane	ND	0.75	0.21	U
67-66-3	Chloroform	ND	0.75	0.22	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	0.50	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	0.50	0.14	U
127-18-4	Tetrachloroethene	ND	0.40	0.06	U
108-90-7	Chlorobenzene	ND	0.50	0.18	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.16	U
107-06-2	1,2-Dichloroethane	ND	0.30	0.05	U
71-55-6	1,1,1-Trichloroethane	ND	0.50	0.16	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.40	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.40	0.14	U
542-75-6	1,3-Dichloropropene, Total	ND	0.40	0.14	U
75-25-2	Bromoform	ND	2.0	0.25	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.20	0.06	U
71-43-2	Benzene	ND	0.40	0.08	U
108-88-3	Toluene	ND	0.75	0.20	U
100-41-4	Ethylbenzene	ND	0.50	0.17	U
74-87-3	Chloromethane	ND	2.5	0.20	U



Results Summary

Form 1

SPLP Volatiles by EPA 1312

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : WG2084905-5
 Client ID : WG2084905-5BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V16250628A05
 Sample Amount : 10.0 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2540375
 Project Number : RAMSEY SD
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 06/28/25 07:37
 Dilution Factor : 1
 Analyst : MCM
 Instrument ID : VOA116
 GC Column : RTX-502.2
 %Solids : NA
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
74-83-9	Bromomethane	ND	1.0	0.26	U
75-01-4	Vinyl chloride	ND	0.20	0.07	U
75-00-3	Chloroethane	ND	1.0	0.13	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U
156-60-5	trans-1,2-Dichloroethene	ND	0.75	0.16	U
79-01-6	Trichloroethene	ND	0.20	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.18	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.19	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.19	U
1634-04-4	Methyl tert butyl ether	ND	1.0	0.17	U
179601-23-1	p/m-Xylene	ND	1.0	0.33	U
95-47-6	o-Xylene	ND	1.0	0.39	U
1330-20-7	Xylenes, Total	ND	1.0	0.33	U
156-59-2	cis-1,2-Dichloroethene	ND	0.50	0.19	U
540-59-0	1,2-Dichloroethene, Total	ND	0.50	0.16	U
100-42-5	Styrene	ND	1.0	0.36	U
75-71-8	Dichlorodifluoromethane	ND	5.0	0.24	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	0.30	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	0.42	U
591-78-6	2-Hexanone	ND	5.0	0.52	U
74-97-5	Bromochloromethane	ND	2.5	0.15	U
98-82-8	Isopropylbenzene	ND	0.50	0.19	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.23	U



Results Summary

Form 1

SPLP Volatiles by EPA 1312

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : WG2084905-5
 Client ID : WG2084905-5BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V16250628A05
 Sample Amount : 10.0 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2540375
 Project Number : RAMSEY SD
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 06/28/25 07:37
 Dilution Factor : 1
 Analyst : MCM
 Instrument ID : VOA116
 GC Column : RTX-502.2
 %Solids : NA
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.22	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U
76-13-1	Freon-113	ND	2.5	0.15	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : WG2085793-5
 Client ID : WG2085793-5BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V04250701A05
 Sample Amount : 5.0 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2540375
 Project Number : RAMSEY SD
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 07/01/25 08:52
 Dilution Factor : 1
 Analyst : MNF
 Instrument ID : VOA104
 GC Column : RTX-VMS
 %Solids : NA
 Injection Volume : N/A

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0030	0.0010	U
123-91-1	1,4-Dioxane	ND	0.080	0.035	U
106-93-4	1,2-Dibromoethane	ND	0.0010	0.00028	U
75-09-2	Methylene chloride	ND	0.0050	0.0023	U
75-34-3	1,1-Dichloroethane	ND	0.0010	0.00014	U
67-66-3	Chloroform	0.00018	0.0015	0.00014	J
56-23-5	Carbon tetrachloride	ND	0.0010	0.00023	U
78-87-5	1,2-Dichloropropane	ND	0.0010	0.00012	U
124-48-1	Dibromochloromethane	ND	0.0010	0.00014	U
79-00-5	1,1,2-Trichloroethane	ND	0.0010	0.00027	U
127-18-4	Tetrachloroethene	ND	0.00050	0.00020	U
108-90-7	Chlorobenzene	ND	0.00050	0.00013	U
75-69-4	Trichlorofluoromethane	ND	0.0040	0.00070	U
107-06-2	1,2-Dichloroethane	ND	0.0010	0.00026	U
71-55-6	1,1,1-Trichloroethane	ND	0.00050	0.00017	U
75-27-4	Bromodichloromethane	ND	0.00050	0.00011	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.0010	0.00027	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.00050	0.00016	U
542-75-6	1,3-Dichloropropene, Total	ND	0.00050	0.00016	U
75-25-2	Bromoform	ND	0.0040	0.00025	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.00050	0.00017	U
71-43-2	Benzene	ND	0.00050	0.00017	U
108-88-3	Toluene	ND	0.0010	0.00054	U
100-41-4	Ethylbenzene	ND	0.0010	0.00014	U
74-87-3	Chloromethane	ND	0.0040	0.00093	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : WG2085793-5
 Client ID : WG2085793-5BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V04250701A05
 Sample Amount : 5.0 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2540375
 Project Number : RAMSEY SD
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 07/01/25 08:52
 Dilution Factor : 1
 Analyst : MNF
 Instrument ID : VOA104
 GC Column : RTX-VMS
 %Solids : NA
 Injection Volume : N/A

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
74-83-9	Bromomethane	0.00069	0.0020	0.00058	J
75-01-4	Vinyl chloride	ND	0.0010	0.00034	U
75-00-3	Chloroethane	ND	0.0020	0.00045	U
75-35-4	1,1-Dichloroethene	ND	0.0010	0.00024	U
156-60-5	trans-1,2-Dichloroethene	ND	0.0015	0.00014	U
79-01-6	Trichloroethene	ND	0.00050	0.00014	U
95-50-1	1,2-Dichlorobenzene	ND	0.0020	0.00014	U
541-73-1	1,3-Dichlorobenzene	ND	0.0020	0.00015	U
106-46-7	1,4-Dichlorobenzene	ND	0.0020	0.00017	U
1634-04-4	Methyl tert butyl ether	ND	0.0020	0.00020	U
179601-23-1	p/m-Xylene	ND	0.0020	0.00056	U
95-47-6	o-Xylene	ND	0.0010	0.00029	U
1330-20-7	Xylenes, Total	ND	0.0010	0.00029	U
156-59-2	cis-1,2-Dichloroethene	ND	0.0010	0.00018	U
540-59-0	1,2-Dichloroethene, Total	ND	0.0010	0.00014	U
100-42-5	Styrene	ND	0.0010	0.00020	U
75-71-8	Dichlorodifluoromethane	ND	0.010	0.00092	U
67-64-1	Acetone	ND	0.025	0.010	U
75-15-0	Carbon disulfide	ND	0.010	0.0046	U
78-93-3	2-Butanone	ND	0.010	0.0022	U
108-10-1	4-Methyl-2-pentanone	ND	0.010	0.0013	U
591-78-6	2-Hexanone	ND	0.010	0.0012	U
74-97-5	Bromochloromethane	ND	0.0020	0.00020	U
98-82-8	Isopropylbenzene	ND	0.0010	0.00011	U
87-61-6	1,2,3-Trichlorobenzene	0.00045	0.0020	0.00032	J



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : WG2085793-5
 Client ID : WG2085793-5BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V04250701A05
 Sample Amount : 5.0 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2540375
 Project Number : RAMSEY SD
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 07/01/25 08:52
 Dilution Factor : 1
 Analyst : MNF
 Instrument ID : VOA104
 GC Column : RTX-VMS
 %Solids : NA
 Injection Volume : N/A

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
120-82-1	1,2,4-Trichlorobenzene	0.00032	0.0020	0.00027	J
79-20-9	Methyl Acetate	ND	0.0040	0.00095	U
110-82-7	Cyclohexane	ND	0.010	0.00054	U
108-87-2	Methyl cyclohexane	ND	0.0040	0.00060	U
76-13-1	Freon-113	ND	0.0040	0.00069	U



Tentatively Identified Compounds
Form 1
Volatile Organics by EPA 5035

Client : Phoenix Environmental
Project Name : RAMSEY SD
Lab ID : WG2085793-5
Client ID : WG2085793-5BLANK
Sample Location :
Sample Matrix : SOIL
Analytical Method : 1,8260D
Lab File ID : V04250701A05
Sample Amount :
Level :
Extract Volume (MeOH) : NA

Lab Number : L2540375
Project Number : RAMSEY SD
Date Collected : NA
Date Received : NA
Date Analyzed : 07/01/25 08:52
Dilution Factor : 1
Analyst : MNF
Instrument ID : VOA104
GC Column :
%Solids : NA
Injection Volume : 1

Number TICS found: 0

Concentration Units: mg/kg

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
NO TENTATIVELY IDENTIFIED COMPOUNDS				



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : WG2086622-5
 Client ID : WG2086622-5BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V17250702A05
 Sample Amount : 5.0 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2540375
 Project Number : RAMSEY SD
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 07/02/25 08:41
 Dilution Factor : 1
 Analyst : MNF
 Instrument ID : VOA117
 GC Column : RTX-VMS
 %Solids : NA
 Injection Volume : N/A

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
96-12-8	1,2-Dibromo-3-chloropropane	ND	0.0030	0.0010	U
123-91-1	1,4-Dioxane	ND	0.080	0.035	U
106-93-4	1,2-Dibromoethane	ND	0.0010	0.00028	U
75-09-2	Methylene chloride	0.0026	0.0050	0.0023	J
75-34-3	1,1-Dichloroethane	ND	0.0010	0.00014	U
67-66-3	Chloroform	ND	0.0015	0.00014	U
56-23-5	Carbon tetrachloride	ND	0.0010	0.00023	U
78-87-5	1,2-Dichloropropane	ND	0.0010	0.00012	U
124-48-1	Dibromochloromethane	ND	0.0010	0.00014	U
79-00-5	1,1,2-Trichloroethane	ND	0.0010	0.00027	U
127-18-4	Tetrachloroethene	ND	0.00050	0.00020	U
108-90-7	Chlorobenzene	ND	0.00050	0.00013	U
75-69-4	Trichlorofluoromethane	ND	0.0040	0.00070	U
107-06-2	1,2-Dichloroethane	ND	0.0010	0.00026	U
71-55-6	1,1,1-Trichloroethane	ND	0.00050	0.00017	U
75-27-4	Bromodichloromethane	ND	0.00050	0.00011	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.0010	0.00027	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.00050	0.00016	U
542-75-6	1,3-Dichloropropene, Total	ND	0.00050	0.00016	U
75-25-2	Bromoform	ND	0.0040	0.00025	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.00050	0.00017	U
71-43-2	Benzene	ND	0.00050	0.00017	U
108-88-3	Toluene	ND	0.0010	0.00054	U
100-41-4	Ethylbenzene	ND	0.0010	0.00014	U
74-87-3	Chloromethane	ND	0.0040	0.00093	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : WG2086622-5
 Client ID : WG2086622-5BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V17250702A05
 Sample Amount : 5.0 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2540375
 Project Number : RAMSEY SD
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 07/02/25 08:41
 Dilution Factor : 1
 Analyst : MNF
 Instrument ID : VOA117
 GC Column : RTX-VMS
 %Solids : NA
 Injection Volume : N/A

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
74-83-9	Bromomethane	0.0025	0.0020	0.00058	
75-01-4	Vinyl chloride	ND	0.0010	0.00034	U
75-00-3	Chloroethane	ND	0.0020	0.00045	U
75-35-4	1,1-Dichloroethene	ND	0.0010	0.00024	U
156-60-5	trans-1,2-Dichloroethene	ND	0.0015	0.00014	U
79-01-6	Trichloroethene	ND	0.00050	0.00014	U
95-50-1	1,2-Dichlorobenzene	ND	0.0020	0.00014	U
541-73-1	1,3-Dichlorobenzene	ND	0.0020	0.00015	U
106-46-7	1,4-Dichlorobenzene	ND	0.0020	0.00017	U
1634-04-4	Methyl tert butyl ether	ND	0.0020	0.00020	U
179601-23-1	p/m-Xylene	ND	0.0020	0.00056	U
95-47-6	o-Xylene	ND	0.0010	0.00029	U
1330-20-7	Xylenes, Total	ND	0.0010	0.00029	U
156-59-2	cis-1,2-Dichloroethene	ND	0.0010	0.00018	U
540-59-0	1,2-Dichloroethene, Total	ND	0.0010	0.00014	U
100-42-5	Styrene	ND	0.0010	0.00020	U
75-71-8	Dichlorodifluoromethane	ND	0.010	0.00092	U
67-64-1	Acetone	ND	0.025	0.010	U
75-15-0	Carbon disulfide	ND	0.010	0.0046	U
78-93-3	2-Butanone	ND	0.010	0.0022	U
108-10-1	4-Methyl-2-pentanone	ND	0.010	0.0013	U
591-78-6	2-Hexanone	ND	0.010	0.0012	U
74-97-5	Bromochloromethane	ND	0.0020	0.00020	U
98-82-8	Isopropylbenzene	ND	0.0010	0.00011	U
87-61-6	1,2,3-Trichlorobenzene	ND	0.0020	0.00032	U



Results Summary

Form 1

Volatile Organics by EPA 5035

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : WG2086622-5
 Client ID : WG2086622-5BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,8260D
 Lab File ID : V17250702A05
 Sample Amount : 5.0 g
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2540375
 Project Number : RAMSEY SD
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 07/02/25 08:41
 Dilution Factor : 1
 Analyst : MNF
 Instrument ID : VOA117
 GC Column : RTX-VMS
 %Solids : NA
 Injection Volume : N/A

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0020	0.00027	U
79-20-9	Methyl Acetate	ND	0.0040	0.00095	U
110-82-7	Cyclohexane	ND	0.010	0.00054	U
108-87-2	Methyl cyclohexane	ND	0.0040	0.00060	U
76-13-1	Freon-113	ND	0.0040	0.00069	U



Tentatively Identified Compounds
Form 1
Volatile Organics by EPA 5035

Client : Phoenix Environmental
Project Name : RAMSEY SD
Lab ID : WG2086622-5
Client ID : WG2086622-5BLANK
Sample Location :
Sample Matrix : SOIL
Analytical Method : 1,8260D
Lab File ID : V17250702A05
Sample Amount :
Level :
Extract Volume (MeOH) : NA

Lab Number : L2540375
Project Number : RAMSEY SD
Date Collected : NA
Date Received : NA
Date Analyzed : 07/02/25 08:41
Dilution Factor : 1
Analyst : MNF
Instrument ID : VOA117
GC Column :
%Solids : NA
Injection Volume : 1

Number TICS found: 0

Concentration Units: mg/kg

CAS Number	Compound Name	RT	EST. CONC.	Qualifier
NO TENTATIVELY IDENTIFIED COMPOUNDS				



Tuning Results Summary

Instrument Performance Check (Tune) Summary

Form 5

Volatiles

Bromofluorobenzene (BFB)

Client : Phoenix Environmental	Lab Number : L2540375
Project Name : RAMSEY SD	Project Number : RAMSEY SD
Instrument ID : VOA116	Analysis Date : 06/05/25 03:30
Tune Standard : WG2075257-1	Tune File ID : V16250605BFB1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	22.2
75	30.0 - 80.0% of mass 95	53.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.8 (1)1
174	Greater than 50.0% of mass 95	77.2
175	5.0 - 9.0% of mass 174	6 (7.8)1
176	Greater than 95.0% but less than 101% of mass	75 (97.1)1
177	5.0 - 9.0% of mass 176	4.9 (6.6)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD0.19PP	R1973431-1	V16250605B02	06/05/25 04:12
STD0.5PPB	R1973431-2	V16250605B03	06/05/25 04:35
STD2PPB	R1973431-3	V16250605B04	06/05/25 04:58
STD10PPB	R1973431-4	V16250605B05	06/05/25 05:22
STD30PPB	R1973431-5	V16250605B06	06/05/25 05:45
STD80PPB	R1973431-6	V16250605B07	06/05/25 06:09
STD120PPB	R1973431-7	V16250605B08	06/05/25 06:32
STD200PPB	R1973431-8	V16250605B09	06/05/25 06:55
ICV Quant Report	R1973431-9	V16250605B13	06/05/25 08:29



Instrument Performance Check (Tune) Summary

Form 5

Volatiles

Bromofluorobenzene (BFB)

Client : Phoenix Environmental	Lab Number : L2540375
Project Name : RAMSEY SD	Project Number : RAMSEY SD
Instrument ID : VOA116	Analysis Date : 06/28/25 05:45
Tune Standard : WG2084905-1	Tune File ID : V16250628BFB1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	25.3
75	30.0 - 80.0% of mass 95	55.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	0.5 (.6)1
174	Greater than 50.0% of mass 95	87.7
175	5.0 - 9.0% of mass 174	6.9 (7.9)1
176	Greater than 95.0% but less than 101% of mass	85.3 (97.2)1
177	5.0 - 9.0% of mass 176	5.8 (6.9)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2084905-2CCAL	WG2084905-2	V16250628A02	06/28/25 06:27
WG2084905-3LCS	WG2084905-3	V16250628A02	06/28/25 06:27
WG2084905-4LCSD	WG2084905-4	V16250628A03	06/28/25 06:50
WG2084905-5BLANK	WG2084905-5	V16250628A05	06/28/25 07:37
UST-E1	L2540375-01	V16250628A06	06/28/25 08:00
UST-E2	L2540375-02	V16250628A07	06/28/25 08:23



Instrument Performance Check (Tune) Summary

Form 5

Volatiles

Bromofluorobenzene (BFB)

Client : Phoenix Environmental	Lab Number : L2540375
Project Name : RAMSEY SD	Project Number : RAMSEY SD
Instrument ID : VOA104	Analysis Date : 06/11/25 13:17
Tune Standard : WG2077961-1	Tune File ID : V04250610BFB3_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	19.8
75	30.0 - 80.0% of mass 95	51.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.9 (1)1
174	Greater than 50.0% of mass 95	86.1
175	5.0 - 9.0% of mass 174	6.5 (7.5)1
176	Greater than 95.0% but less than 101% of mass	86.1 (100)1
177	5.0 - 9.0% of mass 176	5.7 (6.6)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD0.5PPB	R1976028-1	V04250611A03	06/11/25 14:39
STD1PPB	R1976028-2	V04250611A05	06/11/25 15:31
STD2PPB	R1976028-3	V04250611A07	06/11/25 16:24
STD4PPB	R1976028-4	V04250611A09	06/11/25 17:16
STD20PPB	R1976028-5	V04250611A10	06/11/25 17:42
STD40PPB	R1976028-6	V04250611A11	06/11/25 18:08
STD100PPB	R1976028-8	V04250611A12	06/11/25 18:34
STD200PPB	R1976028-7	V04250611A13	06/11/25 19:00
STD300PPB	R1976028-10	V04250611A14	06/11/25 19:26
ICV Quant Report	R1976028-9	V04250611A19	06/11/25 21:37



Instrument Performance Check (Tune) Summary

Form 5

Volatiles

Bromofluorobenzene (BFB)

Client : Phoenix Environmental	Lab Number : L2540375
Project Name : RAMSEY SD	Project Number : RAMSEY SD
Instrument ID : VOA104	Analysis Date : 07/01/25 06:45
Tune Standard : WG2085793-1	Tune File ID : V04250701BFB1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	15.6
75	30.0 - 80.0% of mass 95	44
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.8 (.9)1
174	Greater than 50.0% of mass 95	91.6
175	5.0 - 9.0% of mass 174	7 (7.6)1
176	Greater than 95.0% but less than 101% of mass	91.6 (100)1
177	5.0 - 9.0% of mass 176	6.1 (6.6)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2085793-2CCAL	WG2085793-2	V04250701A01	07/01/25 07:07
WG2085793-3LCS	WG2085793-3	V04250701A01	07/01/25 07:07
WG2085793-4LCSD	WG2085793-4	V04250701A02	07/01/25 07:33
WG2085793-5BLANK	WG2085793-5	V04250701A05	07/01/25 08:52
UST-E1	L2540375-01	V04250701A17	07/01/25 14:09



Instrument Performance Check (Tune) Summary

Form 5

Volatiles

Bromofluorobenzene (BFB)

Client : Phoenix Environmental	Lab Number : L2540375
Project Name : RAMSEY SD	Project Number : RAMSEY SD
Instrument ID : VOA117	Analysis Date : 06/26/25 13:51
Tune Standard : WG2084333-1	Tune File ID : V17250526BFB2_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	18.9
75	30.0 - 80.0% of mass 95	53
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.5 (.5)1
174	Greater than 50.0% of mass 95	89.4
175	5.0 - 9.0% of mass 174	6.7 (7.5)1
176	Greater than 95.0% but less than 101% of mass	85.8 (96)1
177	5.0 - 9.0% of mass 176	5.7 (6.7)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD0.5PPB	R1981969-1	V17250626A03	06/26/25 15:07
STD1PPB	R1981969-2	V17250626A05	06/26/25 15:58
STD2PPB	R1981969-3	V17250626A07	06/26/25 16:50
STD4PPB	R1981969-4	V17250626A09	06/26/25 17:41
STD20PPB	R1981969-5	V17250626A10	06/26/25 18:07
STD40PPB	R1981969-6	V17250626A11	06/26/25 18:33
STD100PPB	R1981969-7	V17250626A12	06/26/25 18:59
STD200PPB	R1981969-8	V17250626A13	06/26/25 19:25
STD300PPB	R1981969-9	V17250626A14	06/26/25 19:50
ICV Quant Report	R1981969-10	V17250626A18	06/26/25 21:34



Instrument Performance Check (Tune) Summary

Form 5

Volatiles

Bromofluorobenzene (BFB)

Client : Phoenix Environmental	Lab Number : L2540375
Project Name : RAMSEY SD	Project Number : RAMSEY SD
Instrument ID : VOA117	Analysis Date : 07/02/25 06:37
Tune Standard : WG2086622-1	Tune File ID : V17250702BFB2_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	20.9
75	30.0 - 80.0% of mass 95	55.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	0 (0)1
174	Greater than 50.0% of mass 95	95.7
175	5.0 - 9.0% of mass 174	7.4 (7.7)1
176	Greater than 95.0% but less than 101% of mass	93.7 (98)1
177	5.0 - 9.0% of mass 176	7.4 (7.9)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2086622-2CCAL	WG2086622-2	V17250702A01	07/02/25 06:58
WG2086622-3LCS	WG2086622-3	V17250702A01	07/02/25 06:58
WG2086622-4LCSD	WG2086622-4	V17250702A02	07/02/25 07:24
WG2086622-5BLANK	WG2086622-5	V17250702A05	07/02/25 08:41
UST-E2	L2540375-02	V17250702A07	07/02/25 09:33



Blank Results Summary

**Method Blank Summary
Form 4
Volatiles**

Client	: Phoenix Environmental	Lab Number	: L2540375
Project Name	: RAMSEY SD	Project Number	: RAMSEY SD
Lab Sample ID	: WG2084905-5	Lab File ID	: V16250628A05
Instrument ID	: VOA116		
Matrix	: SOIL	Analysis Date	: 06/28/25 07:37

Client Sample No.	Lab Sample ID	Analysis Date
WG2084905-3LCS	WG2084905-3	06/28/25 06:27
WG2084905-4LCSD	WG2084905-4	06/28/25 06:50
UST-E1	L2540375-01	06/28/25 08:00
UST-E2	L2540375-02	06/28/25 08:23

**Method Blank Summary
Form 4
Volatiles**

Client	: Phoenix Environmental	Lab Number	: L2540375
Project Name	: RAMSEY SD	Project Number	: RAMSEY SD
Lab Sample ID	: WG2085793-5	Lab File ID	: V04250701A05
Instrument ID	: VOA104		
Matrix	: SOIL	Analysis Date	: 07/01/25 08:52

Client Sample No.	Lab Sample ID	Analysis Date
WG2085793-3LCS	WG2085793-3	07/01/25 07:07
WG2085793-4LCSD	WG2085793-4	07/01/25 07:33
UST-E1	L2540375-01	07/01/25 14:09

**Method Blank Summary
Form 4
Volatiles**

Client	: Phoenix Environmental	Lab Number	: L2540375
Project Name	: RAMSEY SD	Project Number	: RAMSEY SD
Lab Sample ID	: WG2086622-5	Lab File ID	: V17250702A05
Instrument ID	: VOA117		
Matrix	: SOIL	Analysis Date	: 07/02/25 08:41

Client Sample No.	Lab Sample ID	Analysis Date
WG2086622-3LCS	WG2086622-3	07/02/25 06:58
WG2086622-4LCSD	WG2086622-4	07/02/25 07:24
UST-E2	L2540375-02	07/02/25 09:33



Standards Data Summary

Initial Calibration Summary

Form 6

Volatiles

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : VOA116
 Calibration dates : 06/05/25 04:12 06/05/25 06:55

Lab Number : L2540375
 Project Number : RAMSEY SD
 Ical Ref : ICAL22334

Calibration Files

L11 =V16250605B02.D L1 =V16250605B03.D L2 =V16250605B04.D L3 =V16250605B05.D L4 =V16250605B06.D
 L6 =V16250605B07.D L8 =V16250605B08.D L10 =V16250605B09.D

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1) I Fluorobenzene	-----ISTD-----									
2) TP Dichlorodifluo		0.187	0.259	0.226	0.213	0.216	0.227	0.225	0.222	9.61
3) TP Chloromethane		0.231	0.244	0.214	0.212	0.204	0.208	0.208	0.217	6.77
4) TP Vinyl chloride	0.290	0.277	0.391	0.344	0.332	0.319	0.322	0.313	0.324	10.70
5) TP Bromomethane		0.241	0.219	0.192	0.193	0.193	0.199	0.203	0.206	8.79
6) TP Chloroethane		0.209	0.248	0.214	0.207	0.196	0.196	0.190	0.209	9.27
7) TP Trichlorofluor		0.249	0.344	0.293	0.279	0.278	0.289	0.293	0.289	9.91
8) TP Ethyl ether		0.088	0.088	0.084	0.087	0.085	0.088	0.089	0.087	2.05
10) TP 1,1-Dichloroet		0.138	0.188	0.159	0.160	0.159	0.166	0.171	0.163	9.24
11) TP Carbon disulfide		0.471	0.585	0.530	0.526	0.532	0.550	0.565	0.537	6.70
12) TP Freon-113		0.160	0.204	0.177	0.164	0.171	0.181	0.188	0.178	8.38
13) TP Iodomethane			0.128	0.159	0.206	0.222	0.225	0.230	*L	0.9986
14) TP Acrolein		0.016	0.021	0.019	0.020	0.019	0.020	0.020	0.019	7.93
15) TP Methylene chlo		0.232	0.212	0.188	0.188	0.179	0.183	0.186	0.196	9.80
17) TP Acetone		0.025	0.029	0.027	0.026	0.025	0.026	0.025	0.026	5.19
18) TP trans-1,2-Dich		0.167	0.197	0.180	0.182	0.178	0.183	0.187	0.182	5.06
19) TP Methyl acetate		0.080	0.078	0.060	0.063	0.064	0.066	0.063	0.068	11.74
21) TP Methyl tert butyl ether		0.360	0.371	0.364	0.381	0.384	0.403	0.403	0.381	4.53
22) TP tert-Butyl alc		0.005	0.006	0.006	0.006	0.006	0.007	0.006	0.006#	9.86
24) TP Diisopropyl ether		0.462	0.539	0.506	0.536	0.526	0.538	0.538	0.521	5.44
25) TP 1,1-Dichloroet		0.344	0.411	0.369	0.376	0.365	0.371	0.373	0.373	5.35
26) TP Halothane		0.116	0.145	0.137	0.137	0.137	0.142	0.146	0.137	7.49
27) TP Acrylonitrile		0.038	0.040	0.042	0.041	0.039	0.041	0.040	0.040	3.27
28) TP Ethyl tert-but		0.406	0.492	0.484	0.519	0.522	0.547	0.549	0.503	9.79
29) TP Vinyl acetate		0.197	0.230	0.225	0.225	0.215	0.227	0.217	0.219	5.22
30) TP cis-1,2-Dichlo		0.205	0.215	0.207	0.200	0.193	0.197	0.200	0.203	3.54
31) TP 2,2-Dichloropr		0.211	0.258	0.232	0.242	0.248	0.257	0.264	0.244	7.47
33) TP Bromochloromet		0.083	0.097	0.091	0.092	0.084	0.084	0.086	0.088#	5.83
34) TP Cyclohexane		0.329	0.430	0.383	0.358	0.379	0.397	0.405	0.383	8.53
35) TP Chloroform		0.327	0.389	0.357	0.362	0.348	0.358	0.361	0.358	5.16
36) TP Ethyl acetate		0.093	0.099	0.090	0.094	0.094	0.098	0.095	0.095	3.21
37) TP Carbon tetrachloride	0.192	0.214	0.290	0.256	0.258	0.269	0.280	0.287	0.256	13.84
38) TP Tetrahydrofuran		0.029	0.031	0.029	0.031	0.031	0.032	0.031	0.031	4.08
39) S Dibromofluoromethane	0.269	0.270	0.270	0.265	0.270	0.267	0.269	0.272	0.269	0.81
40) TP 1,1,1-Trichlor		0.265	0.308	0.293	0.287	0.294	0.304	0.307	0.294	5.07
42) TP 2-Butanone		0.039	0.050	0.039	0.040	0.038	0.041	0.038	0.041	9.93



Initial Calibration Summary

Form 6

Volatiles

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : VOA116
 Calibration dates : 06/05/25 04:12 06/05/25 06:55

Lab Number : L2540375
 Project Number : RAMSEY SD
 Ical Ref : ICAL22334

Calibration Files

L11 =V16250605B02.D L1 =V16250605B03.D L2 =V16250605B04.D L3 =V16250605B05.D L4 =V16250605B06.D
 L6 =V16250605B07.D L8 =V16250605B08.D L10 =V16250605B09.D

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
43) TP 1,1-Dichloropr		0.205	0.276	0.248	0.245	0.250	0.257	0.260	0.249	8.87
45) TP Benzene	0.597	0.683	0.798	0.727	0.741	0.724	0.736	0.738	0.718	8.09
46) TP Tertiary-Amyl Methyl Ether		0.311	0.348	0.344	0.371	0.382	0.402	0.407	0.366	9.39
47) S 1,2-Dichloroethane-d4	0.303	0.304	0.309	0.296	0.296	0.303	0.299	0.311	0.303	1.85
48) T 1,2-Dichloroethane	0.268	0.256	0.302	0.268	0.253	0.242	0.246	0.246	0.260	7.54
51) TP Methyl cyclohe		0.284	0.397	0.352	0.340	0.371	0.389	0.406	0.363	11.65
52) TP Trichloroethene	0.187	0.193	0.223	0.197	0.201	0.203	0.211	0.222	0.205	6.36
54) TP Dibromomethane		0.098	0.110	0.105	0.106	0.104	0.106	0.105	0.105	3.57
55) TP 1,2-Dichloropr		0.192	0.217	0.221	0.225	0.221	0.225	0.225	0.218	5.51
57) TP 2-Chloroethyl		0.079	0.085	0.094	0.100	0.108	0.112	0.110	0.098	13.07
58) TP Bromodichlorom		0.235	0.305	0.274	0.281	0.276	0.283	0.285	0.277#	7.66
61) TP 1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	17.49
62) TP cis-1,3-Dichloropropene	0.188	0.224	0.299	0.291	0.315	0.310	0.316	0.320	0.283#	17.35
63) I Chlorobenzene-d5	-----ISTD-----									
64) S Toluene-d8	1.233	1.237	1.223	1.223	1.226	1.201	1.184	1.179	1.213	1.86
65) TP Toluene		0.518	0.616	0.562	0.569	0.565	0.563	0.573	0.567	5.07
66) TP 4-Methyl-2-pen			0.043	0.046	0.051	0.053	0.054	0.052	0.050	8.58
67) TP Tetrachloroethene	0.205	0.244	0.266	0.251	0.245	0.253	0.254	0.261	0.247	7.48
69) TP trans-1,3-Dichloropropene	0.202	0.233	0.250	0.269	0.293	0.299	0.301	0.300	0.268#	13.73
71) TP Ethyl methacry		0.133	0.175	0.179	0.198	0.199	0.203	0.199	0.184	13.49
72) TP 1,1,2-Trichlor		0.132	0.161	0.143	0.148	0.143	0.143	0.141	0.145#	6.07
73) TP Chlorodibromom		0.195	0.208	0.208	0.221	0.221	0.222	0.222	0.214	4.92
74) TP 1,3-Dichloropr		0.299	0.328	0.297	0.304	0.293	0.293	0.286	0.300	4.53
75) TP 1,2-Dibromoethane		0.155	0.171	0.164	0.170	0.167	0.168	0.164	0.166#	3.24
77) TP 2-Hexanone		0.056	0.065	0.063	0.070	0.072	0.073	0.070	0.067	9.00
78) TP Chlorobenzene		0.615	0.789	0.690	0.684	0.667	0.665	0.659	0.681	7.82
79) TP Ethylbenzene		1.059	1.200	1.100	1.112	1.108	1.181	1.164	1.132	4.50
80) TP 1,1,1,2-Tetrac		0.184	0.225	0.213	0.227	0.228	0.230	0.228	0.219	7.55
81) TP p/m Xylene		0.373	0.463	0.424	0.428	0.436	0.440	0.451	0.431	6.66
82) TP o Xylene		0.393	0.453	0.411	0.423	0.421	0.422	0.427	0.421	4.28
83) TP Styrene		0.588	0.721	0.685	0.711	0.713	0.712	0.701	0.690	6.72
84) I 1,4-Dichlorobenzene-d4	-----ISTD-----									
85) TP Bromoform		0.216	0.238	0.240	0.262	0.278	0.293	0.300	0.261	11.96
87) TP Isopropylbenzene		2.063	2.551	2.270	2.235	2.453	2.328	2.459	2.337	7.08
88) S 4-Bromofluorobenzene	0.928	0.932	0.922	0.911	0.892	0.883	0.886	0.867	0.903	2.63
89) TP Bromobenzene		0.506	0.601	0.527	0.528	0.521	0.530	0.531	0.535	5.68



Initial Calibration Summary

Form 6

Volatiles

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : VOA116
 Calibration dates : 06/05/25 04:12 06/05/25 06:55

Lab Number : L2540375
 Project Number : RAMSEY SD
 Ical Ref : ICAL22334

Calibration Files

L11 =V16250605B02.D L1 =V16250605B03.D L2 =V16250605B04.D L3 =V16250605B05.D L4 =V16250605B06.D
 L6 =V16250605B07.D L8 =V16250605B08.D L10 =V16250605B09.D

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
90) TP n-Propylbenzene		2.521	3.126	2.776	2.723	2.783	2.806	2.726	2.780	6.47
91) TP 1,4-Dichlorobu		0.650	0.673	0.620	0.631	0.632	0.651	0.633	0.641	2.77
92) TP 1,1,2,2-Tetrachloroethane	0.305	0.418	0.435	0.389	0.395	0.390	0.397	0.375	0.388	9.87
93) TP 4-Ethyltoluene		1.955	2.504	2.225	2.224	2.266	2.286	2.277	2.248	7.15
94) TP 2-Chlorotoluene		1.717	2.104	1.850	1.857	1.838	1.875	1.888	1.876	6.15
95) TP 1,3,5-Trimethy		1.747	2.098	1.909	1.922	1.937	1.951	1.961	1.932	5.34
96) TP 1,2,3-Trichlor		0.291	0.363	0.298	0.309	0.303	0.313	0.298	0.311	7.80
97) TP trans-1,4-Dich		0.087	0.114	0.105	0.114	0.116	0.121	0.108	0.109	10.10
98) TP 4-Chlorotoluene		1.634	1.892	1.646	1.655	1.645	1.654	1.640	1.681	5.56
99) TP tert-Butylbenzene		1.476	1.866	1.649	1.614	1.662	1.685	1.686	1.663	6.94
102) TP 1,2,4-Trimethy		1.564	1.952	1.806	1.844	1.879	1.898	1.895	1.834	6.96
103) TP sec-Butylbenzene		2.131	2.866	2.547	2.476	2.564	2.565	2.541	2.527	8.51
104) TP p-Isopropyltol		1.677	2.569	2.277	2.231	2.292	2.325	2.306	2.239	12.10
105) TP 1,3-Dichlorobe		0.752	0.926	0.812	0.831	0.782	0.772	0.727	0.800	8.18
106) TP 1,4-Dichlorobe		1.062	1.194	1.054	1.066	1.033	1.045	1.065	1.074	5.04
107) TP p-Diethylbenzene		0.944	1.252	1.185	1.213	1.265	1.292	1.352	1.215	10.78
108) TP n-Butylbenzene		1.541	2.023	1.832	1.846	1.938	1.947	1.979	1.872	8.62
109) TP 1,2-Dichlorobe		0.955	1.068	0.949	0.963	0.938	0.950	0.961	0.969	4.59
110) TP 1,2,4,5-Tetram		1.332	1.693	1.656	1.735	1.768	1.822	1.826	1.690	10.07
111) TP 1,2-Dibromo-3-		0.038	0.047	0.048	0.051	0.054	0.057	0.056	0.050	13.00
112) TP 1,3,5-Trichlor		0.690	0.784	0.715	0.733	0.759	0.766	0.790	0.748	4.94
113) TP Hexachlorobuta		0.251	0.302	0.269	0.271	0.298	0.313	0.329	0.290	9.46
114) TP 1,2,4-Trichlor		0.516	0.621	0.574	0.600	0.630	0.652	0.683	0.611	8.91
115) TP Naphthalene		0.886	1.008	0.985	1.041	1.052	1.095	1.077	1.020	6.89
116) TP 1,2,3-Trichlor		0.487	0.521	0.486	0.508	0.521	0.534	0.541	0.514	4.20



Initial Calibration Summary

Form 6

Volatiles

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : VOA104
 Calibration dates : 06/11/25 14:39 06/11/25 19:26

Lab Number : L2540375
 Project Number : RAMSEY SD
 Ical Ref : ICAL22360

Calibration Files

0.5 =V04250611A03.D 1.0 =V04250611A05.D 2.0 =V04250611A07.D 4.0 =V04250611A09.D 20 =V04250611A10.D
 40 =V04250611A11.D 100 =V04250611A12.D 200 =V04250611A13.D 300 =V04250611A14.D

Compound		0.5	1.0	2.0	4.0	20	40	100	200	300	Avg	%RSD
1) I	Fluorobenzene	-----ISTD-----										
2) TP	Dichlorodifluo	0.255	0.346	0.292	0.368	0.382	0.397	0.417	0.412	0.359	16.22	
3) TP	Chloromethane	0.327	0.407	0.324	0.305	0.310	0.316	0.330	0.325	0.331	9.69	
4) TP	Vinyl chloride	0.309	0.442	0.354	0.373	0.383	0.395	0.404	0.394	0.382	10.18	
5) TP	Bromomethane	0.366	0.396	0.331	0.286	0.280	0.283	0.298	0.286	0.316	13.92	
6) TP	Chloroethane	0.231	0.300	0.241	0.233	0.240	0.245	0.226	0.153	0.234	17.14	
7) TP	Trichlorofluor	0.396	0.545	0.466	0.565	0.587	0.590	0.590	0.552	0.536	13.05	
8) TP	Ethyl ether	0.127	0.125	0.118	0.121	0.126	0.136	0.137	0.134	0.128	5.43	
10) TP	1,1-Dichloroet	0.225	0.310	0.244	0.263	0.271	0.274	0.281	0.273	0.268	9.44	
11) TP	Carbon disulfide	0.895	1.203	0.933	0.910	0.927	0.922	0.931	0.897	0.952	10.74	
12) TP	Freon-113	0.169	0.248	0.225	0.288	0.301	0.306	0.306	0.293	0.267	18.51	
14) TP	Acrolein	0.029	0.027	0.026	0.024	0.025	0.024	0.025	0.026	0.026	7.71	
15) TP	Methylene chlo	0.453	0.347	0.298	0.296	0.295	0.300	0.288	0.325	0.325	18.29	
17) TP	Acetone	0.079	0.063	0.046	0.052	0.054	0.052	0.051	0.057	0.057	19.49	
18) TP	trans-1,2-Dich	0.257	0.357	0.296	0.285	0.291	0.290	0.298	0.285	0.295	9.57	
19) TP	Methyl acetate	0.043	0.072	0.081	0.093	0.096	0.095	*L	0.9988		0.9988	
20) TP	Methyl tert butyl ether	0.620	0.672	0.619	0.625	0.651	0.688	0.682	0.655	0.651	4.32	
21) TP	tert-Butyl alc	0.017	0.021	0.017	0.018	0.019	0.020	0.019	0.018	0.019	6.50	
22) TP	Diisopropyl ether	0.660	0.728	0.652	0.686	0.717	0.753	0.773	0.744	0.714	6.18	
23) TP	1,1-Dichloroet	0.490	0.648	0.530	0.517	0.523	0.519	0.530	0.504	0.533	9.12	
24) TP	Halothane	0.180	0.263	0.209	0.225	0.228	0.227	0.230	0.221	0.223	10.42	
25) TP	Acrylonitrile	0.032	0.041	0.044	0.049	0.048	0.048	0.048	0.044	0.044	15.18	
26) TP	Ethyl tert-but	0.687	0.740	0.690	0.710	0.732	0.776	0.787	0.759	0.735	5.09	
27) TP	Vinyl acetate	0.255	0.303	0.307	0.331	0.316	0.288	0.300	0.300	0.300	8.78	
28) TP	cis-1,2-Dichlo	0.300	0.369	0.323	0.305	0.311	0.305	0.312	0.304	0.316	7.14	
29) TP	2,2-Dichloropr	0.432	0.597	0.464	0.452	0.449	0.455	0.460	0.434	0.468	11.40	
30) TP	Bromochloromet	0.133	0.167	0.145	0.144	0.143	0.144	0.142	0.135	0.144	7.08	
31) TP	Cyclohexane	0.359	0.406	0.354	0.404	0.423	0.428	0.433	0.422	0.404	7.63	
32) TP	Chloroform	0.573	0.692	0.580	0.514	0.524	0.514	0.515	0.498	0.551	11.63	
33) TP	Ethyl acetate	0.101	0.124	0.134	0.147	0.146	0.143	0.132	0.132	0.132	13.47	
34) TP	Carbon tetrach	0.364	0.502	0.419	0.438	0.450	0.441	0.449	0.436	0.437	8.74	
35) TP	Tetrahydrofuran	0.066	0.082	0.059	0.052	0.052	0.052	0.050	0.049	0.058	19.82	
36) S	Dibromofluoromethane	0.304	0.302	0.305	0.296	0.290	0.282	0.274	0.267	0.264	0.287	5.60
37) TP	1,1,1-Trichloroethane	0.413	0.414	0.596	0.474	0.460	0.467	0.458	0.463	0.444	0.465	11.50
39) TP	2-Butanone	0.050	0.054	0.054	0.054	0.058	0.060	0.060	0.060	0.056	6.71	
40) TP	1,1-Dichloropropene	0.229	0.266	0.404	0.323	0.347	0.359	0.354	0.361	0.349	0.332	16.06



Initial Calibration Summary

Form 6

Volatiles

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : VOA104
 Calibration dates : 06/11/25 14:39 06/11/25 19:26

Lab Number : L2540375
 Project Number : RAMSEY SD
 Ical Ref : ICAL22360

Calibration Files

0.5 =V04250611A03.D 1.0 =V04250611A05.D 2.0 =V04250611A07.D 4.0 =V04250611A09.D 20 =V04250611A10.D
 40 =V04250611A11.D 100 =V04250611A12.D 200 =V04250611A13.D 300 =V04250611A14.D

Compound	0.5	1.0	2.0	4.0	20	40	100	200	300	Avg	%RSD
41) TP Benzene	0.972	0.926	1.201	1.010	0.996	1.021	1.022	1.055	1.014	1.024	7.39
42) TP Tertiary-Amyl Methyl Ether		0.602	0.680	0.606	0.615	0.634	0.668	0.673	0.656	0.642	4.93
43) S 1,2-Dichloroethane-d4	0.274	0.266	0.268	0.266	0.246	0.247	0.256	0.246	0.250	0.258	4.28
44) TP 1,2-Dichloroet		0.322	0.376	0.353	0.334	0.336	0.345	0.349	0.335	0.344	4.69
47) TP Methyl cyclohe		0.304	0.408	0.341	0.430	0.454	0.475	0.495	0.487	0.424	16.42
48) TP Trichloroethene	0.309	0.287	0.378	0.307	0.282	0.299	0.297	0.305	0.296	0.307	9.13
50) TP Dibromomethane		0.157	0.182	0.164	0.164	0.163	0.172	0.175	0.172	0.169	4.76
51) TP 1,2-Dichloropr		0.231	0.298	0.269	0.260	0.265	0.273	0.282	0.272	0.269	7.09
53) TP 2-Chloroethyl				0.069	0.053	0.102	0.118	0.131	0.134	*L	0.9901
54) TP Bromodichloromethane	0.466	0.449	0.471	0.424	0.401	0.400	0.407	0.421	0.405	0.427	6.58
57) TP 1,4-Dioxane			0.001	0.002	0.002	0.002	0.002	0.002	0.002	0.002#	12.30
58) TP cis-1,3-Dichloropropene	0.339	0.357	0.449	0.419	0.416	0.431	0.451	0.467	0.452	0.420	10.54
59) I Chlorobenzene-d5	-----ISTD-----										
60) S Toluene-d8	1.331	1.388	1.384	1.381	1.386	1.381	1.352	1.341	1.321	1.363	1.95
61) TP Toluene		1.042	1.125	0.980	0.872	0.890	0.890	0.914	0.880	0.949	9.70
62) TP 4-Methyl-2-pen			0.052	0.067	0.081	0.082	0.089	0.086	0.083	0.077	17.24
63) TP Tetrachloroethene	0.250	0.333	0.469	0.397	0.399	0.411	0.418	0.429	0.418	0.392	16.36
65) TP trans-1,3-Dich		0.388	0.483	0.458	0.486	0.492	0.510	0.508	0.483	0.476	8.22
67) TP Ethyl methacry			0.381	0.318	0.320	0.324	0.341	0.334	0.322	0.334	6.66
68) TP 1,1,2-Trichlor		0.260	0.274	0.250	0.243	0.245	0.249	0.250	0.241	0.252	4.28
69) TP Chlorodibromomethane	0.388	0.378	0.418	0.417	0.405	0.416	0.425	0.426	0.412	0.409	3.98
70) TP 1,3-Dichloropr		0.404	0.440	0.443	0.449	0.453	0.463	0.465	0.443	0.445	4.28
71) TP 1,2-Dibromoethane	0.224	0.270	0.289	0.287	0.294	0.298	0.307	0.310	0.298	0.286	9.17
72) TP 2-Hexanone				0.109	0.129	0.135	0.148	0.143	0.141	0.134	10.26
73) TP Chlorobenzene	0.925	0.991	1.220	1.101	1.024	1.033	1.038	1.072	1.029	1.048	7.75
74) TP Ethylbenzene		1.736	2.203	1.927	1.729	1.740	1.725	1.739	1.652	1.806	9.87
75) TP 1,1,1,2-Tetrachloroethane	0.346	0.358	0.440	0.418	0.393	0.398	0.396	0.394	0.374	0.391	7.38
76) TP p/m Xylene	0.583	0.641	0.869	0.745	0.657	0.668	0.660	0.670	0.641	0.681	12.01
77) TP o Xylene	0.587	0.664	0.860	0.744	0.663	0.660	0.666	0.683	0.656	0.687	11.09
78) TP Styrene	1.178	1.123	1.283	1.175	1.076	1.070	1.073	1.074	1.026	1.120	7.08
79) I 1,4-Dichlorobenzene-d4	-----ISTD-----										
80) TP Bromoform		0.393	0.459	0.428	0.454	0.458	0.482	0.482	0.465	0.453	6.54
82) TP Isopropylbenzene		2.942	4.250	3.343	3.094	3.194	3.262	3.450	3.334	3.359	11.72
83) S 4-Bromofluorobenzene	0.900	0.892	0.896	0.896	0.892	0.890	0.909	0.909	0.934	0.902	1.54
84) TP Bromobenzene		0.761	0.909	0.860	0.798	0.816	0.860	0.910	0.889	0.850	6.38
85) TP n-Propylbenzene		3.553	5.055	3.998	3.665	3.768	3.857	4.004	3.802	3.963	11.79



Initial Calibration Summary

Form 6

Volatiles

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : VOA104
 Calibration dates : 06/11/25 14:39 06/11/25 19:26

Lab Number : L2540375
 Project Number : RAMSEY SD
 Ical Ref : ICAL22360

Calibration Files

0.5 =V04250611A03.D 1.0 =V04250611A05.D 2.0 =V04250611A07.D 4.0 =V04250611A09.D 20 =V04250611A10.D
 40 =V04250611A11.D 100 =V04250611A12.D 200 =V04250611A13.D 300 =V04250611A14.D

	Compound	0.5	1.0	2.0	4.0	20	40	100	200	300	Avg	%RSD
86)	TP 1,4-Dichlorobu		0.722	0.961	0.828	0.781	0.791	0.827	0.831	0.798	0.817	8.35
87)	TP 1,1,2,2-Tetrachloroethane	0.819	0.742	0.705	0.696	0.648	0.659	0.699	0.693	0.676	0.704	7.24
88)	TP 4-Ethyltoluene		2.833	4.122	3.357	3.009	3.097	3.143	3.272	3.123	3.244	11.97
89)	TP 2-Chlorotoluene		2.308	2.896	2.455	2.189	2.194	2.180	2.259	2.173	2.332	10.59
90)	TP 1,3,5-Trimethy		2.751	3.619	2.986	2.648	2.715	2.736	2.857	2.727	2.880	10.98
91)	TP 1,2,3-Trichlor		0.494	0.526	0.498	0.455	0.464	0.489	0.483	0.471	0.485	4.58
92)	TP trans-1,4-Dich			0.172	0.168	0.166	0.168	0.180	0.171	0.169	0.171	2.65
93)	TP 4-Chlorotoluene		2.336	2.827	2.525	2.213	2.216	2.240	2.344	2.255	2.370	8.93
94)	TP tert-Butylbenzene		2.036	3.085	2.368	2.202	2.285	2.353	2.491	2.397	2.402	12.84
97)	TP 1,2,4-Trimethy		2.580	3.447	2.910	2.597	2.636	2.728	2.836	2.700	2.804	10.12
98)	TP sec-Butylbenzene		3.129	4.580	3.504	3.389	3.516	3.592	3.762	3.569	3.630	11.70
99)	TP p-Isopropyltol		2.654	3.956	3.046	2.842	2.933	3.030	3.154	3.003	3.077	12.53
100)	TP 1,3-Dichlorobe		1.390	1.761	1.621	1.487	1.506	1.550	1.593	1.528	1.554	7.03
101)	TP 1,4-Dichlorobe		1.669	1.985	1.690	1.527	1.512	1.550	1.604	1.538	1.634	9.56
102)	TP p-Diethylbenzene		1.565	2.339	1.771	1.653	1.697	1.765	1.883	1.801	1.809	12.98
103)	TP n-Butylbenzene		2.261	3.385	2.675	2.543	2.610	2.670	2.736	2.589	2.684	11.84
104)	TP 1,2-Dichlorobe		1.343	1.623	1.535	1.375	1.404	1.474	1.511	1.445	1.464	6.29
105)	TP 1,2,4,5-Tetram		2.356	3.077	2.671	2.451	2.539	2.750	2.920	2.810	2.697	9.00
106)	TP 1,2-Dibromo-3-		0.071	0.092	0.089	0.096	0.102	0.117	0.113	0.111	0.099	15.40
107)	TP 1,3,5-Trichlor		1.064	1.415	1.273	1.113	1.117	1.170	1.191	1.144	1.186	9.41
108)	TP Hexachlorobuta		0.499	0.718	0.561	0.553	0.579	0.615	0.638	0.617	0.598	11.02
109)	TP 1,2,4-Trichlor		0.911	1.062	0.988	0.910	0.899	0.937	0.928	0.888	0.940	6.16
110)	TP Naphthalene		1.542	1.654	1.505	1.474	1.509	1.728	1.711	1.663	1.598	6.36
111)	TP 1,2,3-Trichlor		0.733	0.868	0.806	0.745	0.746	0.803	0.788	0.746	0.779	5.90



Initial Calibration Summary

Form 6

Volatiles

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : VOA117
 Calibration dates : 06/26/25 15:07 06/26/25 19:50

Lab Number : L2540375
 Project Number : RAMSEY SD
 Ical Ref : ICAL22428

Calibration Files

L1 =V17250626A05.D L2 =V17250626A09.D L3 =V17250626A10.D L4 =V17250626A11.D L6 =V17250626A12.D
 L7 =V17250626A13.D L8 =V17250626A14.D L0 =V17250626A03.D L1.5=V17250626A07.D

Compound	L1	L2	L3	L4	L6	L7	L8	L0	L1.5	Avg	%RSD
1) I Fluorobenzene	-----ISTD-----										
2) TP Dichlorodifluoromethane	0.200	0.354	0.298	0.291	0.290	0.287	0.278		0.266	0.283	15.04
3) TP Chloromethane	0.249	0.285	0.240	0.230	0.219	0.218	0.214		0.314	0.246	14.54
4) TP Vinyl chloride	0.297	0.384	0.340	0.329	0.322	0.321	0.314		0.383	0.336	9.43
5) TP Bromomethane	0.436	0.381	0.325	0.338	0.364	0.404	0.420		0.452	0.390	11.75
6) TP Chloroethane	0.271	0.329	0.283	0.296	0.318	0.386	0.404		0.336	0.328	14.40
7) TP Trichlorofluoromethane	0.572	0.924	0.813	0.821	0.814	0.875	0.918		0.678	0.802	15.12
8) TP Ethyl ether	0.233	0.217	0.195	0.196	0.185	0.196	0.204		0.226	0.207	8.12
10) TP 1,1-Dichloroethene	0.172	0.248	0.217	0.211	0.215	0.220	0.226		0.224	0.217	9.83
11) TP Carbon disulfide		0.856	0.673	0.640	0.653	0.704	0.738		1.020	0.755	18.22
12) TP Freon-113	0.143	0.269	0.240	0.232	0.240	0.249	0.257		0.173	0.226	19.43
14) TP Acrolein		0.017	0.012	0.013	0.013	0.014	0.016			0.014	11.91
15) TP Methylene chloride	0.312	0.275	0.229	0.226	0.222	0.226	0.227		0.315	0.254	15.99
17) TP Acetone	0.318	0.097	0.048	0.045	0.042	0.043	0.041		0.140	*L	0.9970
18) TP trans-1,2-Dichloroethene	0.213	0.275	0.249	0.244	0.245	0.256	0.258		0.315	0.257	11.36
19) TP Methyl acetate		0.103	0.065	0.066	0.071	0.078	0.084			0.078	18.31
20) TP Methyl tert-butyl ether	0.580	0.589	0.545	0.565	0.570	0.594	0.599		0.629	0.584	4.32
21) TP tert-Butyl alcohol	0.018	0.016	0.014	0.016	0.016	0.016	0.016		0.017	0.016	7.40
22) TP Diisopropyl ether	0.586	0.654	0.582	0.600	0.606	0.625	0.619		0.690	0.620	5.85
23) TP 1,1-Dichloroethane	0.410	0.458	0.399	0.393	0.390	0.397	0.397		0.496	0.417	9.21
24) TP Halothane	0.166	0.235	0.206	0.204	0.207	0.213	0.216		0.222	0.209	9.50
25) TP Acrylonitrile		0.033	0.036	0.036	0.037	0.039	0.039		0.032	0.036	7.38
26) TP Ethyl tert-butyl ether	0.583	0.611	0.559	0.583	0.590	0.622	0.627		0.624	0.600	4.12
27) TP Vinyl acetate		0.219	0.185	0.169	0.151	0.146	0.166			0.173	15.41
28) TP cis-1,2-Dichloroethene	0.278	0.298	0.267	0.266	0.265	0.275	0.274		0.326	0.281	7.53
29) TP 2,2-Dichloropropane	0.358	0.439	0.397	0.391	0.388	0.402	0.401		0.466	0.405	8.14
30) TP Bromochloromethane	0.126	0.151	0.128	0.131	0.131	0.136	0.136		0.142	0.135	6.04
31) TP Cyclohexane	0.224	0.379	0.340	0.331	0.342	0.355	0.351		0.263	0.323	16.17
32) TP Chloroform	0.476	0.537	0.469	0.470	0.466	0.483	0.485		0.555	0.493	6.90
33) TP Ethyl acetate		0.162	0.129	0.128	0.126	0.128	0.127			0.133	10.44
34) TP Carbon tetrachloride	0.334	0.455	0.412	0.403	0.417	0.429	0.426		0.428	0.413	8.54
35) TP Tetrahydrofuran		0.049	0.037	0.039	0.038	0.038	0.037		0.044	0.040	12.05
36) S Dibromofluoromethane	0.320	0.298	0.295	0.283	0.278	0.275	0.283	0.316	0.306	0.295	5.62
37) TP 1,1,1-Trichloroethane	0.361	0.472	0.423	0.421	0.422	0.429	0.424	0.319	0.477	0.417	11.84
39) TP 2-Butanone		0.072	0.059	0.062	0.053	0.052	0.051			0.058	14.08
40) TP 1,1-Dichloropropene	0.223	0.337	0.312	0.312	0.316	0.323	0.321	0.180	0.327	0.295	18.49



Initial Calibration Summary

Form 6

Volatiles

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : VOA117
 Calibration dates : 06/26/25 15:07 06/26/25 19:50

Lab Number : L2540375
 Project Number : RAMSEY SD
 Ical Ref : ICAL22428

Calibration Files

L1 =V17250626A05.D L2 =V17250626A09.D L3 =V17250626A10.D L4 =V17250626A11.D L6 =V17250626A12.D
 L7 =V17250626A13.D L8 =V17250626A14.D L0 =V17250626A03.D L1.5=V17250626A07.D

Compound	L1	L2	L3	L4	L6	L7	L8	L0	L1.5	Avg	%RSD
41) TP Benzene	0.898	0.976	0.882	0.883	0.908	0.944	0.945	0.805	1.078	0.924	8.18
42) TP tert-Amyl methyl ether	0.580	0.611	0.553	0.574	0.602	0.642	0.649		0.631	0.605	5.64
43) S 1,2-Dichloroethane-d4	0.251	0.246	0.240	0.235	0.238	0.253	0.263	0.245	0.244	0.246	3.45
44) TP 1,2-Dichloroethane	0.313	0.297	0.263	0.266	0.262	0.266	0.267		0.296	0.279	7.09
47) TP Methyl cyclohexane	0.328	0.452	0.418	0.413	0.443	0.472	0.479		0.288	0.412	16.73
48) TP Trichloroethene	0.243	0.291	0.264	0.266	0.279	0.298	0.308	0.211	0.328	0.277	12.74
50) TP Dibromomethane	0.133	0.160	0.136	0.141	0.141	0.144	0.145		0.160	0.145	6.94
51) TP 1,2-Dichloropropane	0.195	0.242	0.210	0.212	0.211	0.216	0.217		0.254	0.220	8.70
53) TP 2-Chloroethyl vinyl ether		0.098	0.092	0.099	0.098	0.106	0.106		0.082	0.097	8.60
54) TP Bromodichloromethane	0.376	0.395	0.351	0.354	0.354	0.361	0.361	0.356	0.404	0.368	5.25
57) TP 1,4-Dioxane		0.001	0.001	0.002	0.001	0.001	0.001		0.001	*L	0.9961
58) TP cis-1,3-Dichloropropene	0.333	0.390	0.360	0.368	0.370	0.389	0.392	0.294	0.391	0.365	9.05
59) I Chlorobenzene-d5	-----ISTD-----										
60) S Toluene-d8	1.221	1.209	1.208	1.193	1.178	1.128	1.096	1.225	1.227	1.187	3.88
61) TP Toluene	1.031	0.891	0.727	0.729	0.743	0.757	0.746		1.141	0.846	18.94
62) TP 4-Methyl-2-pentanone		0.050	0.053	0.057	0.057	0.057	0.056			0.055	5.05
63) TP Tetrachloroethene	0.270	0.390	0.354	0.361	0.365	0.377	0.378	0.215	0.366	0.342	17.16
65) TP trans-1,3-Dichloropropene	0.293	0.375	0.363	0.378	0.383	0.394	0.393		0.359	0.367	8.83
67) TP Ethyl methacrylate		0.259	0.246	0.257	0.260	0.265	0.263		0.252	0.257	2.58
68) TP 1,1,2-Trichloroethane	0.164	0.193	0.177	0.184	0.182	0.184	0.184		0.195	0.183#	5.22
69) TP Chlorodibromomethane	0.294	0.347	0.319	0.336	0.342	0.338	0.330	0.280	0.358	0.327	7.76
70) TP 1,3-Dichloropropane	0.345	0.354	0.335	0.356	0.351	0.348	0.338		0.356	0.348	2.27
71) TP 1,2-Dibromoethane	0.188	0.233	0.215	0.231	0.231	0.230	0.223	0.159	0.221	0.214	11.65
72) TP 2-Hexanone		0.118	0.104	0.110	0.106	0.103	0.100			0.107	5.97
73) TP Chlorobenzene	0.821	0.944	0.844	0.864	0.878	0.903	0.895	0.840	1.000	0.888	6.33
74) TP Ethylbenzene	1.311	1.556	1.408	1.436	1.498	1.552	1.519		1.656	1.492	7.10
75) TP 1,1,1,2-Tetrachloroethane	0.316	0.352	0.333	0.346	0.365	0.379	0.370	0.303	0.369	0.348	7.55
76) TP p/m Xylene	0.498	0.610	0.565	0.594	0.627	0.668	0.676	0.505	0.665	0.601	11.18
77) TP o Xylene	0.542	0.588	0.552	0.575	0.610	0.657	0.671	0.519	0.651	0.596	9.17
78) TP Styrene	0.861	0.990	0.914	0.989	1.077	1.154	1.166	0.865	1.037	1.006	11.33
79) I 1,4-Dichlorobenzene-d4	-----ISTD-----										
80) TP Bromoform	0.309	0.352	0.336	0.368	0.394	0.414	0.427		0.364	0.370	10.74
82) TP Isopropylbenzene	2.362	2.819	2.542	2.564	2.627	2.729	2.677		2.874	2.649	6.18
83) S 4-Bromofluorobenzene	0.737	0.737	0.708	0.693	0.676	0.643	0.662	0.738	0.735	0.703	5.21
84) TP Bromobenzene	0.631	0.695	0.641	0.645	0.627	0.648	0.659		0.708	0.657	4.52
85) TP n-Propylbenzene	2.759	3.257	2.904	2.946	2.997	3.126	3.133		3.239	3.045	5.69



Initial Calibration Summary

Form 6

Volatiles

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : VOA117
 Calibration dates : 06/26/25 15:07 06/26/25 19:50

Lab Number : L2540375
 Project Number : RAMSEY SD
 Ical Ref : ICAL22428

Calibration Files

L1 =V17250626A05.D L2 =V17250626A09.D L3 =V17250626A10.D L4 =V17250626A11.D L6 =V17250626A12.D
 L7 =V17250626A13.D L8 =V17250626A14.D L0 =V17250626A03.D L1.5=V17250626A07.D

Compound	L1	L2	L3	L4	L6	L7	L8	L0	L1.5	Avg	%RSD
86) TP 1,4-Dichlorobutane	0.586	0.556	0.499	0.500	0.495	0.511	0.513		0.580	0.530	7.17
87) TP 1,1,2,2-Tetrachloroethane	0.502	0.519	0.457	0.466	0.453	0.457	0.445	0.532	0.555	0.487	8.29
88) TP 4-Ethyltoluene	2.500	2.794	2.495	2.524	2.557	2.607	2.544		2.821	2.605	4.99
89) TP 2-Chlorotoluene	1.549	1.849	1.586	1.609	1.644	1.669	1.632		1.942	1.685	8.14
90) TP 1,3,5-Trimethylbenzene	2.173	2.380	2.161	2.228	2.273	2.320	2.298		2.492	2.291	4.79
91) TP 1,2,3-Trichloropropane	0.331	0.385	0.332	0.344	0.350	0.348	0.356		0.386	0.354	5.98
92) TP trans-1,4-Dichloro-2-b...		0.121	0.106	0.114	0.107	0.106	0.104		0.083	0.106	11.07
93) TP 4-Chlorotoluene	1.681	1.874	1.654	1.703	1.710	1.731	1.688		2.008	1.756	6.93
94) TP tert-Butylbenzene	1.920	2.173	1.973	2.000	2.048	2.158	2.115		2.179	2.071	4.81
97) TP 1,2,4-Trimethylbenzene	2.096	2.317	2.106	2.160	2.209	2.272	2.211		2.382	2.219	4.52
98) TP sec-Butylbenzene	2.898	3.152	2.921	2.983	3.089	3.167	3.056		2.972	3.030	3.37
99) TP p-Isopropyltoluene	2.596	2.760	2.571	2.657	2.732	2.833	2.751		2.735	2.704	3.28
100) TP 1,3-Dichlorobenzene	1.243	1.457	1.286	1.329	1.344	1.387	1.354		1.469	1.359	5.73
101) TP 1,4-Dichlorobenzene	1.363	1.486	1.287	1.325	1.317	1.350	1.326		1.514	1.371	6.07
102) TP p-Diethylbenzene	1.524	1.639	1.530	1.569	1.608	1.682	1.635		1.647	1.604	3.59
103) TP n-Butylbenzene	2.121	2.398	2.183	2.224	2.258	2.312	2.195		2.230	2.240	3.78
104) TP 1,2-Dichlorobenzene	1.248	1.327	1.186	1.207	1.211	1.252	1.221		1.303	1.244	3.94
105) TP 1,2,4,5-Tetramethylben...	2.416	2.513	2.264	2.340	2.373	2.547	2.526		2.548	2.441	4.43
106) TP 1,2-Dibromo-3-chloropr...	0.057	0.091	0.082	0.088	0.085	0.087	0.087		0.078	0.082	13.41
107) TP 1,3,5-Trichlorobenzene	0.990	1.001	0.924	0.942	0.912	0.962	0.934		1.052	0.965	4.90
108) TP Hexachlorobutadiene	0.437	0.510	0.457	0.461	0.457	0.485	0.493		0.439	0.467	5.62
109) TP 1,2,4-Trichlorobenzene	0.889	0.836	0.789	0.794	0.755	0.798	0.802		0.863	0.816	5.39
110) TP Naphthalene	1.704	1.679	1.576	1.621	1.580	1.639	1.629		1.797	1.653	4.39
111) TP 1,2,3-Trichlorobenzene	0.785	0.745	0.694	0.709	0.672	0.705	0.696		0.792	0.725	6.11



Calibration Verification Summary

Form 7

Volatiles

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : VOA116
 Lab File ID : V16250628A02
 Sample No : WG2084905-2
 Channel :

Lab Number : L2540375
 Project Number : RAMSEY SD
 Calibration Date : 06/28/25 06:27
 Init. Calib. Date(s) : 06/05/25 06/05/25
 Init. Calib. Times : 04:12 06:55

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	143	0
Dichlorodifluoromethane	0.222	0.193	-	13.1	20	122	0
Chloromethane	0.217	0.222	-	-2.3	20	148	0
Vinyl chloride	0.324	0.36	-	-11.1	20	150	0
Bromomethane	0.206	0.292	-	-41.7*	20	218	0
Chloroethane	0.209	0.229	-	-9.6	20	153	0
Trichlorofluoromethane	0.289	0.277	-	4.2	20	136	0
1,1-Dichloroethene	0.163	0.153	-	6.1	20	138	0
Carbon disulfide	0.537	0.514	-	4.3	20	139	0
Freon-113	0.178	0.169	-	5.1	20	137	0
Methylene chloride	0.196	0.173	-	11.7	20	132	0
Acetone	0.026	0.021	-	19.2	20	109	0
trans-1,2-Dichloroethene	0.182	0.169	-	7.1	20	134	0
Methyl acetate	0.068	0.055	-	19.1	20	133	0
Methyl tert-butyl ether	0.381	0.261	-	31.5*	20	103	0
tert-Butyl alcohol	0.006	0.00395*	-	34.2*	20	94	0
1,1-Dichloroethane	0.373	0.324	-	13.1	20	126	0
cis-1,2-Dichloroethene	0.203	0.182*	-	10.3	20	126	0
Bromochloromethane	0.088	0.086*	-	2.3	20	136	0
Cyclohexane	0.383	0.334	-	12.8	20	125	0
Chloroform	0.358	0.325	-	9.2	20	130	0
Carbon tetrachloride	0.265	0.294	-	-10.9	20	159	0
Dibromofluoromethane	0.269	0.272	-	-1.1	20	147	0
1,1,1-Trichloroethane	0.294	0.266	-	9.5	20	130	0
2-Butanone	0.041	0.033	-	19.5	20	123	0
Benzene	0.718	0.658	-	8.4	20	130	0
1,2-Dichloroethane-d4	0.303	0.268	-	11.6	20	130	0
1,2-Dichloroethane	0.26	0.203	-	21.9*	20	109	0
Methyl cyclohexane	0.363	0.325	-	10.5	20	132	0
Trichloroethene	0.205	0.186*	-	9.3	20	135	0
1,2-Dichloropropane	0.218	0.189*	-	13.3	20	122	0
Bromodichloromethane	0.277	0.249*	-	10.1	20	130	0
1,4-Dioxane	0.00073	0.00063*	-	13.7	20	137	0
cis-1,3-Dichloropropene	0.283	0.25*	-	11.7	20	123	0
Chlorobenzene-d5	1	1	-	0	20	148	0
Toluene-d8	1.213	1.186	-	2.2	20	144	0
Toluene	0.567	0.506	-	10.8	20	133	0
4-Methyl-2-pentanone	0.05	0.03*	-	40*	20	97	0
Tetrachloroethene	0.247	0.236	-	4.5	20	139	0
trans-1,3-Dichloropropene	0.268	0.216*	-	19.4	20	119	0
1,1,2-Trichloroethane	0.145	0.12*	-	17.2	20	124	0
Chlorodibromomethane	0.214	0.191*	-	10.7	20	136	0
1,2-Dibromoethane	0.166	0.137*	-	17.5	20	123	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : VOA116
 Lab File ID : V16250628A02
 Sample No : WG2084905-2
 Channel :

Lab Number : L2540375
 Project Number : RAMSEY SD
 Calibration Date : 06/28/25 06:27
 Init. Calib. Date(s) : 06/05/25 06/05/25
 Init. Calib. Times : 04:12 06:55

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
2-Hexanone	0.067	0.044	-	34.3*	20	105	0
Chlorobenzene	0.681	0.638	-	6.3	20	137	0
Ethylbenzene	1.132	0.998	-	11.8	20	134	0
p/m Xylene	0.431	0.39	-	9.5	20	136	0
o Xylene	0.421	0.377	-	10.5	20	136	0
Styrene	0.69	0.606	-	12.2	20	131	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	148	0
Bromoform	0.261	0.207	-	20.7*	20	128	0
Isopropylbenzene	2.337	2.067	-	11.6	20	135	0
4-Bromofluorobenzene	0.903	0.829	-	8.2	20	135	0
1,1,2,2-Tetrachloroethane	0.388	0.317	-	18.3	20	121	0
1,3-Dichlorobenzene	0.8	0.796	-	0.5	20	146	0
1,4-Dichlorobenzene	1.03	0.981	-	4.8	20	138	0
1,2-Dichlorobenzene	0.969	0.86	-	11.2	20	134	0
1,2-Dibromo-3-chloropropan	0.05	0.041	-	18	20	125	0
1,2,4-Trichlorobenzene	0.611	0.511	-	16.4	20	132	0
1,2,3-Trichlorobenzene	0.514	0.427	-	16.9	20	131	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : VOA104
 Lab File ID : V04250701A01
 Sample No : WG2085793-2
 Channel :

Lab Number : L2540375
 Project Number : RAMSEY SD
 Calibration Date : 07/01/25 07:07
 Init. Calib. Date(s) : 06/11/25 06/11/25
 Init. Calib. Times : 14:39 19:26

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	158	0
Dichlorodifluoromethane	0.359	0.309	-	13.9	20	128	0
Chloromethane	0.331	0.304	-	8.2	20	155	0
Vinyl chloride	0.382	0.321	-	16	20	132	0
Bromomethane	0.316	0.225	-	28.8*	20	127	0
Chloroethane	0.234	0.158	-	32.5*	20	105	0
Trichlorofluoromethane	0.536	0.399	-	25.6*	20	107	0
Ethyl ether	0.128	0.119	-	7	20	150	0
1,1-Dichloroethene	0.268	0.263	-	1.9	20	153	0
Carbon disulfide	0.952	0.911	-	4.3	20	156	0
Freon-113	0.267	0.28	-	-4.9	20	147	0
Acrolein	0.026	0.023	-	11.5	20	152	0
Methylene chloride	0.325	0.278	-	14.5	20	148	0
Acetone	0.057	0.049	-	14	20	151	0
trans-1,2-Dichloroethene	0.295	0.277	-	6.1	20	151	0
Methyl acetate	40	35.379	-	11.6	20	153	0
Methyl tert-butyl ether	0.651	0.581	-	10.8	20	141	0
tert-Butyl alcohol	0.019	0.016	-	15.8	20	137	0
Diisopropyl ether	0.714	0.688	-	3.6	20	152	0
1,1-Dichloroethane	0.533	0.47	-	11.8	20	142	0
Halothane	0.223	0.222	-	0.4	20	154	0
Acrylonitrile	0.044	0.042	-	4.5	20	153	0
Ethyl tert-butyl ether	0.735	0.66	-	10.2	20	143	0
Vinyl acetate	0.3	0.307	-	-2.3	20	158	0
cis-1,2-Dichloroethene	0.316	0.292	-	7.6	20	148	0
2,2-Dichloropropane	0.468	0.398	-	15	20	140	0
Bromochloromethane	0.144	0.128	-	11.1	20	142	0
Cyclohexane	0.404	0.403	-	0.2	20	151	0
Chloroform	0.551	0.453	-	17.8	20	137	0
Ethyl acetate	0.132	0.117	-	11.4	20	138	0
Carbon tetrachloride	0.437	0.366	-	16.2	20	129	0
Tetrahydrofuran	0.058	0.043	-	25.9*	20	131	0
Dibromofluoromethane	0.287	0.246	-	14.3	20	138	0
1,1,1-Trichloroethane	0.465	0.398	-	14.4	20	135	0
2-Butanone	0.056	0.045	-	19.6	20	134	0
1,1-Dichloropropene	0.332	0.321	-	3.3	20	142	0
Benzene	1.024	0.919	-	10.3	20	142	0
tert-Amyl methyl ether	0.642	0.558	-	13.1	20	139	0
1,2-Dichloroethane-d4	0.258	0.191	-	26*	20	123	0
1,2-Dichloroethane	0.344	0.257	-	25.3*	20	121	0
Methyl cyclohexane	0.424	0.422	-	0.5	20	147	0
Trichloroethene	0.307	0.269	-	12.4	20	142	0
Dibromomethane	0.169	0.136	-	19.5	20	132	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : VOA104
 Lab File ID : V04250701A01
 Sample No : WG2085793-2
 Channel :

Lab Number : L2540375
 Project Number : RAMSEY SD
 Calibration Date : 07/01/25 07:07
 Init. Calib. Date(s) : 06/11/25 06/11/25
 Init. Calib. Times : 14:39 19:26

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.269	0.244	-	9.3	20	146	0
2-Chloroethyl vinyl ether	40	37.531	-	6.2	20	170	0
Bromodichloromethane	0.427	0.335	-	21.5*	20	133	0
1,4-Dioxane	0.0016	0.00152*	-	5	20	141	0
cis-1,3-Dichloropropene	0.42	0.387	-	7.9	20	142	0
Chlorobenzene-d5	1	1	-	0	20	158	0
Toluene-d8	1.363	1.254	-	8	20	143	0
Toluene	0.949	0.826	-	13	20	146	0
4-Methyl-2-pentanone	0.077	0.075	-	2.6	20	145	0
Tetrachloroethene	0.392	0.424	-	-8.2	20	163	0
trans-1,3-Dichloropropene	0.476	0.428	-	10.1	20	137	0
Ethyl methacrylate	0.334	0.29	-	13.2	20	141	0
1,1,2-Trichloroethane	0.252	0.221	-	12.3	20	142	0
Chlorodibromomethane	0.409	0.353	-	13.7	20	134	0
1,3-Dichloropropane	0.445	0.408	-	8.3	20	142	0
1,2-Dibromoethane	0.286	0.259	-	9.4	20	137	0
2-Hexanone	0.134	0.117	-	12.7	20	136	0
Chlorobenzene	1.048	0.968	-	7.6	20	148	0
Ethylbenzene	1.806	1.615	-	10.6	20	146	0
1,1,1,2-Tetrachloroethane	0.391	0.347	-	11.3	20	138	0
p/m Xylene	0.681	0.6	-	11.9	20	142	0
o Xylene	0.687	0.589	-	14.3	20	141	0
Styrene	1.12	0.936	-	16.4	20	138	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	151	0
Bromoform	0.453	0.397	-	12.4	20	131	0
Isopropylbenzene	3.359	3.035	-	9.6	20	143	0
4-Bromofluorobenzene	0.902	0.831	-	7.9	20	141	0
Bromobenzene	0.85	0.812	-	4.5	20	150	0
n-Propylbenzene	3.963	3.663	-	7.6	20	147	0
1,4-Dichlorobutane	0.817	0.705	-	13.7	20	134	0
1,1,2,2-Tetrachloroethane	0.704	0.591	-	16.1	20	135	0
4-Ethyltoluene	3.244	2.978	-	8.2	20	145	0
2-Chlorotoluene	2.332	2.061	-	11.6	20	142	0
1,3,5-Trimethylbenzene	2.88	2.501	-	13.2	20	139	0
1,2,3-Trichloropropane	0.485	0.4	-	17.5	20	130	0
trans-1,4-Dichloro-2-buten	0.171	0.131	-	23.4*	20	117	0
4-Chlorotoluene	2.37	2.113	-	10.8	20	144	0
tert-Butylbenzene	2.402	2.216	-	7.7	20	146	0
1,2,4-Trimethylbenzene	2.804	2.466	-	12.1	20	141	0
sec-Butylbenzene	3.63	3.308	-	8.9	20	142	0
p-Isopropyltoluene	3.077	2.893	-	6	20	149	0
1,3-Dichlorobenzene	1.554	1.462	-	5.9	20	146	0
1,4-Dichlorobenzene	1.634	1.476	-	9.7	20	147	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Phoenix Environmental
Project Name : RAMSEY SD
Instrument ID : VOA104
Lab File ID : V04250701A01
Sample No : WG2085793-2
Channel :

Lab Number : L2540375
Project Number : RAMSEY SD
Calibration Date : 07/01/25 07:07
Init. Calib. Date(s) : 06/11/25 06/11/25
Init. Calib. Times : 14:39 19:26

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
p-Diethylbenzene	1.809	1.737	-	4	20	154	0
n-Butylbenzene	2.684	2.563	-	4.5	20	148	0
1,2-Dichlorobenzene	1.464	1.344	-	8.2	20	144	0
1,2,4,5-Tetramethylbenzene	2.697	2.651	-	1.7	20	157	0
1,2-Dibromo-3-chloropropan	0.099	0.094	-	5.1	20	139	0
1,3,5-Trichlorobenzene	1.186	1.274	-	-7.4	20	172	0
Hexachlorobutadiene	0.598	0.707	-	-18.2	20	184	0
1,2,4-Trichlorobenzene	0.94	1.025	-	-9	20	172	0
Naphthalene	1.598	1.504	-	5.9	20	150	0
1,2,3-Trichlorobenzene	0.779	0.78	-	-0.1	20	158	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : VOA117
 Lab File ID : V17250702A01
 Sample No : WG2086622-2
 Channel :

Lab Number : L2540375
 Project Number : RAMSEY SD
 Calibration Date : 07/02/25 06:58
 Init. Calib. Date(s) : 06/26/25 06/26/25
 Init. Calib. Times : 15:07 19:50

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	67	0
Dichlorodifluoromethane	0.283	0.246	-	13.1	20	57	0
Chloromethane	0.246	0.2	-	18.7	20	58	0
Vinyl chloride	0.336	0.357	-	-6.2	20	73	0
Bromomethane	0.39	0.536	-	-37.4*	20	107	0
Chloroethane	0.328	0.366	-	-11.6	20	83	0
Trichlorofluoromethane	0.802	0.836	-	-4.2	20	68	0
Ethyl ether	0.207	0.224	-	-8.2	20	77	0
1,1-Dichloroethene	0.217	0.219	-	-0.9	20	70	0
Carbon disulfide	0.755	0.748	-	0.9	20	79	0
Freon-113	0.226	0.237	-	-4.9	20	69	0
Acrolein	0.014	0.018	-	-28.6*	20	94	0
Methylene chloride	0.254	0.244	-	3.9	20	73	0
Acetone	40	40.442	-	-1.1	20	70	0
trans-1,2-Dichloroethene	0.257	0.243	-	5.4	20	67	0
Methyl acetate	0.078	0.086	-	-10.3	20	88	0
Methyl tert-butyl ether	0.584	0.524	-	10.3	20	62	0
tert-Butyl alcohol	0.016	0.012	-	25*	20	53	0
Diisopropyl ether	0.62	0.562	-	9.4	20	63	0
1,1-Dichloroethane	0.417	0.383	-	8.2	20	66	0
Halothane	0.209	0.205	-	1.9	20	68	0
Acrylonitrile	0.036	0.038	-	-5.6	20	71	0
Ethyl tert-butyl ether	0.6	0.522	-	13	20	60	0
Vinyl acetate	0.173	0.314	-	-81.5*	20	125	0
cis-1,2-Dichloroethene	0.281	0.266	-	5.3	20	67	0
2,2-Dichloropropane	0.405	0.341	-	15.8	20	59	0
Bromochloromethane	0.135	0.131	-	3	20	67	0
Cyclohexane	0.323	0.303	-	6.2	20	62	0
Chloroform	0.493	0.465	-	5.7	20	66	0
Ethyl acetate	0.133	0.126	-	5.3	20	66	0
Carbon tetrachloride	0.413	0.372	-	9.9	20	62	0
Tetrahydrofuran	0.04	0.038	-	5	20	66	-.01
Dibromofluoromethane	0.295	0.272	-	7.8	20	65	0
1,1,1-Trichloroethane	0.417	0.391	-	6.2	20	62	0
2-Butanone	0.058	0.054	-	6.9	20	59	0
1,1-Dichloropropene	0.295	0.3	-	-1.7	20	65	0
Benzene	0.924	0.894	-	3.2	20	68	-.01
tert-Amyl methyl ether	0.605	0.519	-	14.2	20	61	0
1,2-Dichloroethane-d4	0.246	0.219	-	11	20	63	-.01
1,2-Dichloroethane	0.279	0.256	-	8.2	20	65	0
Methyl cyclohexane	0.412	0.395	-	4.1	20	64	0
Trichloroethene	0.277	0.263	-	5.1	20	66	-.01
Dibromomethane	0.145	0.139	-	4.1	20	66	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : VOA117
 Lab File ID : V17250702A01
 Sample No : WG2086622-2
 Channel :

Lab Number : L2540375
 Project Number : RAMSEY SD
 Calibration Date : 07/02/25 06:58
 Init. Calib. Date(s) : 06/26/25 06/26/25
 Init. Calib. Times : 15:07 19:50

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichloropropane	0.22	0.21	-	4.5	20	67	0
2-Chloroethyl vinyl ether	0.097	0.096	-	1	20	65	0
Bromodichloromethane	0.368	0.347	-	5.7	20	66	0
1,4-Dioxane	2000	2006.838	-	-0.3	20	62	-.01
cis-1,3-Dichloropropene	0.365	0.359	-	1.6	20	66	0
Chlorobenzene-d5	1	1	-	0	20	73	0
Toluene-d8	1.187	1.085	-	8.6	20	67	0
Toluene	0.846	0.65	-	23.2*	20	65	0
4-Methyl-2-pentanone	0.055	0.047	-	14.5	20	60	-.01
Tetrachloroethene	0.342	0.313	-	8.5	20	64	0
trans-1,3-Dichloropropene	0.367	0.333	-	9.3	20	65	0
Ethyl methacrylate	0.257	0.223	-	13.2	20	64	0
1,1,2-Trichloroethane	0.183	0.174*	-	4.9	20	69	0
Chlorodibromomethane	0.327	0.304	-	7	20	66	0
1,3-Dichloropropane	0.348	0.33	-	5.2	20	68	0
1,2-Dibromoethane	0.214	0.208	-	2.8	20	66	0
2-Hexanone	0.107	0.086	-	19.6	20	57	0
Chlorobenzene	0.888	0.81	-	8.8	20	69	0
Ethylbenzene	1.492	1.327	-	11.1	20	68	0
1,1,1,2-Tetrachloroethane	0.348	0.305	-	12.4	20	65	0
p/m Xylene	0.601	0.552	-	8.2	20	68	0
o Xylene	0.596	0.536	-	10.1	20	68	0
Styrene	1.006	0.922	-	8.3	20	68	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	73	0
Bromoform	0.37	0.318	-	14.1	20	63	0
Isopropylbenzene	2.649	2.311	-	12.8	20	66	0
4-Bromofluorobenzene	0.703	0.594	-	15.5	20	63	0
Bromobenzene	0.657	0.581	-	11.6	20	66	0
n-Propylbenzene	3.045	2.773	-	8.9	20	69	0
1,4-Dichlorobutane	0.53	0.445	-	16	20	65	0
1,1,2,2-Tetrachloroethane	0.487	0.446	-	8.4	20	70	0
4-Ethyltoluene	2.605	2.34	-	10.2	20	68	0
2-Chlorotoluene	1.685	1.492	-	11.5	20	68	0
1,3,5-Trimethylbenzene	2.291	2.015	-	12	20	66	0
1,2,3-Trichloropropane	0.354	0.324	-	8.5	20	69	0
trans-1,4-Dichloro-2-buten	0.106	0.099	-	6.6	20	64	0
4-Chlorotoluene	1.756	1.558	-	11.3	20	67	0
tert-Butylbenzene	2.071	1.822	-	12	20	67	0
1,2,4-Trimethylbenzene	2.219	1.968	-	11.3	20	67	0
sec-Butylbenzene	3.03	2.735	-	9.7	20	67	0
p-Isopropyltoluene	2.704	2.417	-	10.6	20	67	0
1,3-Dichlorobenzene	1.359	1.216	-	10.5	20	67	0
1,4-Dichlorobenzene	1.371	1.246	-	9.1	20	69	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Phoenix Environmental
Project Name : RAMSEY SD
Instrument ID : VOA117
Lab File ID : V17250702A01
Sample No : WG2086622-2
Channel :

Lab Number : L2540375
Project Number : RAMSEY SD
Calibration Date : 07/02/25 06:58
Init. Calib. Date(s) : 06/26/25 06/26/25
Init. Calib. Times : 15:07 19:50

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
p-Diethylbenzene	1.604	1.46	-	9	20	68	0
n-Butylbenzene	2.24	2.115	-	5.6	20	70	0
1,2-Dichlorobenzene	1.244	1.116	-	10.3	20	68	0
1,2,4,5-Tetramethylbenzene	2.441	2.156	-	11.7	20	68	0
1,2-Dibromo-3-chloropropan	0.082	0.071	-	13.4	20	59	0
1,3,5-Trichlorobenzene	0.965	0.905	-	6.2	20	71	0
Hexachlorobutadiene	0.467	0.393	-	15.8	20	63	0
1,2,4-Trichlorobenzene	0.816	0.753	-	7.7	20	70	0
Naphthalene	1.653	1.491	-	9.8	20	68	0
1,2,3-Trichlorobenzene	0.725	0.643	-	11.3	20	67	0

* Value outside of QC limits.



Surrogate Summary

Surrogate Recovery Summary

Form 2

Volatiles

Client: Phoenix Environmental
Project Name: RAMSEY SD

Lab Number: L2540375
Project Number: RAMSEY SD
Matrix: Soil

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
UST-E1 (L2540375-01)	91	97	94	104	0
UST-E2 (L2540375-02)	89	97	96	99	0
WG2084905-3LCS	89	98	92	101	0
WG2084905-4LCSD	94	98	91	102	0
WG2084905-5BLANK	93	95	93	106	0

QC LIMITS

(70-130) DCA = 1,2-DICHLOROETHANE-D4
(70-130) TOL = TOLUENE-D8
(70-130) BFB = 4-BROMOFLUOROBENZENE
(70-130) DBFM = DIBROMOFLUOROMETHANE

* Values outside of QC limits

FORM II NJ-SPLP-VOA



Surrogate Recovery Summary

Form 2

Volatiles

Client: Phoenix Environmental
Project Name: RAMSEY SD

Lab Number: L2540375
Project Number: RAMSEY SD
Matrix: Soil

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
UST-E1 (L2540375-01)	85	90	89	92	0
UST-E2 (L2540375-02)	102	91	128	75	0
WG2085793-3LCS	74	92	92	86	0
WG2085793-4LCSD	75	91	92	86	0
WG2085793-5BLANK	80	88	87	89	0
WG2086622-3LCS	89	91	84	92	0
WG2086622-4LCSD	93	89	87	93	0
WG2086622-5BLANK	94	91	91	95	0

QC LIMITS

(70-130) DCA = 1,2-DICHLOROETHANE-D4

(70-130) TOL = TOLUENE-D8

(70-130) BFB = 4-BROMOFLUOROBENZENE

(70-130) DBFM = DIBROMOFLUOROMETHANE

* Values outside of QC limits

FORM II NJ-SPLP-VOA



Batch QC Summary

Laboratory Control Sample Summary

Form 3

Volatiles

Client : Phoenix Environmental Lab Number : L2540375
 Project Name : RAMSEY SD Project Number : RAMSEY SD
 Matrix (Level) : SOIL (LOW)
 LCS Sample ID : WG2084905-3 Analysis Date : 06/28/25 06:27 File ID : V16250628A02
 LCSD Sample ID : WG2084905-4 Analysis Date : 06/28/25 06:50 File ID : V16250628A03

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
1,2-Dibromo-3-chloropropane	10	8.1	81	10	8.3	83	2	40-160	20
1,4-Dioxane	500	430	86	500	410	82	5	40-160	20
1,2-Dibromoethane	10	8.2	82	10	8.4	84	2	70-130	20
Methylene chloride	10	8.8	88	10	8.7	87	1	70-130	20
1,1-Dichloroethane	10	8.7	87	10	8.6	86	1	70-130	20
Chloroform	10	9.1	91	10	9.2	92	1	70-130	20
Carbon tetrachloride	10	11	110	10	11	110	0	70-130	20
1,2-Dichloropropane	10	8.6	86	10	8.4	84	2	70-130	20
Dibromochloromethane	10	8.9	89	10	9.0	90	1	70-130	20
1,1,2-Trichloroethane	10	8.3	83	10	8.5	85	2	70-130	20
Tetrachloroethene	10	9.5	95	10	9.5	95	0	70-130	20
Chlorobenzene	10	9.4	94	10	9.3	93	1	70-130	20
Trichlorofluoromethane	10	9.6	96	10	9.3	93	3	40-160	20
1,2-Dichloroethane	10	7.8	78	10	8.3	83	6	70-130	20
1,1,1-Trichloroethane	10	9.0	90	10	9.0	90	0	70-130	20
Bromodichloromethane	10	9.0	90	10	8.9	89	1	70-130	20
trans-1,3-Dichloropropene	10	8.1	81	10	8.0	80	1	70-130	20
cis-1,3-Dichloropropene	10	8.8	88	10	8.7	87	1	70-130	20
Bromoform	10	8.0	80	10	8.1	81	1	40-160	20
1,1,2,2-Tetrachloroethane	10	8.2	82	10	8.4	84	2	40-160	20
Benzene	10	9.2	92	10	9.1	91	1	70-130	20
Toluene	10	8.9	89	10	8.7	87	2	70-130	20
Ethylbenzene	10	8.8	88	10	8.6	86	2	70-130	20
Chloromethane	10	10	100	10	9.8	98	2	40-160	20
Bromomethane	10	14	140	10	13	130	7	40-160	20
Vinyl chloride	10	11	110	10	11	110	0	70-130	20



Laboratory Control Sample Summary

Form 3

Volatiles

Client : Phoenix Environmental Lab Number : L2540375
 Project Name : RAMSEY SD Project Number : RAMSEY SD
 Matrix (Level) : SOIL (LOW)
 LCS Sample ID : WG2084905-3 Analysis Date : 06/28/25 06:27 File ID : V16250628A02
 LCSD Sample ID : WG2084905-4 Analysis Date : 06/28/25 06:50 File ID : V16250628A03

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Chloroethane	10	11	110	10	11	110	0	40-160	20
1,1-Dichloroethene	10	9.4	94	10	9.2	92	2	70-130	20
trans-1,2-Dichloroethene	10	9.3	93	10	9.3	93	0	70-130	20
Trichloroethene	10	9.1	91	10	8.9	89	2	70-130	20
1,2-Dichlorobenzene	10	8.9	89	10	9.0	90	1	70-130	20
1,3-Dichlorobenzene	10	9.9	99	10	10	100	1	70-130	20
1,4-Dichlorobenzene	10	9.5	95	10	9.3	93	2	70-130	20
Methyl tert butyl ether	10	6.8	68 Q	10	7.1	71	4	70-130	20
p/m-Xylene	20	18	90	20	18	90	0	70-130	20
o-Xylene	20	18	90	20	17	85	6	70-130	20
cis-1,2-Dichloroethene	10	9.0	90	10	9.4	94	4	70-130	20
Styrene	20	18	90	20	18	90	0	40-160	20
Dichlorodifluoromethane	10	8.7	87	10	8.6	86	1	40-160	20
Acetone	10	7.9	79	10	8.6	86	8	40-160	20
Carbon disulfide	10	9.6	96	10	9.2	92	4	40-160	20
2-Butanone	10	8.1	81	10	7.4	74	9	40-160	20
4-Methyl-2-pentanone	10	6.0	60	10	6.3	63	5	40-160	20
2-Hexanone	10	6.6	66	10	6.9	69	4	40-160	20
Bromochloromethane	10	9.8	98	10	10	100	2	70-130	20
Isopropylbenzene	10	8.8	88	10	8.7	87	1	70-130	20
1,2,3-Trichlorobenzene	10	8.3	83	10	8.6	86	4	70-130	20
1,2,4-Trichlorobenzene	10	8.4	84	10	8.5	85	1	70-130	20
Methyl Acetate	10	8.2	82	10	8.1	81	1	70-130	20
Cyclohexane	10	8.7	87	10	8.4	84	4	70-130	20
Methyl cyclohexane	10	9.0	90	10	8.9	89	1	70-130	20
Freon-113	10	9.5	95	10	9.3	93	2	70-130	20



Laboratory Control Sample Summary

Form 3

Volatiles

Client : Phoenix Environmental Lab Number : L2540375
 Project Name : RAMSEY SD Project Number : RAMSEY SD
 Matrix (Level) : SOIL (LOW)
 LCS Sample ID : WG2085793-3 Analysis Date : 07/01/25 07:07 File ID : V04250701A01
 LCSD Sample ID : WG2085793-4 Analysis Date : 07/01/25 07:33 File ID : V04250701A02

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/kg)	Found (mg/kg)	%R	True (mg/kg)	Found (mg/kg)	%R			
1,2-Dibromo-3-chloropropane	0.04	0.038	95	0.04	0.041	102	7	40-160	30
1,4-Dioxane	2	1.9	95	2	2.0	101	6	40-160	30
1,2-Dibromoethane	0.04	0.036	90	0.04	0.037	93	3	70-130	30
Methylene chloride	0.04	0.034	85	0.04	0.032	81	5	70-130	30
1,1-Dichloroethane	0.04	0.035	88	0.04	0.034	85	3	70-130	30
Chloroform	0.04	0.033	82	0.04	0.033	82	0	70-130	30
Carbon tetrachloride	0.04	0.034	84	0.04	0.033	82	2	70-130	30
1,2-Dichloropropane	0.04	0.036	91	0.04	0.037	92	1	70-130	30
Dibromochloromethane	0.04	0.034	86	0.04	0.035	87	1	70-130	30
1,1,2-Trichloroethane	0.04	0.035	88	0.04	0.036	89	1	70-130	30
Tetrachloroethene	0.04	0.043	108	0.04	0.043	107	1	70-130	30
Chlorobenzene	0.04	0.037	92	0.04	0.037	92	0	70-130	30
Trichlorofluoromethane	0.04	0.030	74	0.04	0.027	68	8	40-160	30
1,2-Dichloroethane	0.04	0.030	75	0.04	0.030	76	1	70-130	30
1,1,1-Trichloroethane	0.04	0.034	86	0.04	0.034	84	2	70-130	30
Bromodichloromethane	0.04	0.031	78	0.04	0.032	80	3	70-130	30
trans-1,3-Dichloropropene	0.04	0.036	90	0.04	0.036	90	0	70-130	30
cis-1,3-Dichloropropene	0.04	0.037	92	0.04	0.038	94	2	40-160	30
Bromoform	0.04	0.035	88	0.04	0.036	90	2	40-160	30
1,1,2,2-Tetrachloroethane	0.04	0.034	84	0.04	0.035	88	5	40-160	30
Benzene	0.04	0.036	90	0.04	0.036	90	0	70-130	30
Toluene	0.04	0.035	87	0.04	0.034	86	1	70-130	30
Ethylbenzene	0.04	0.036	89	0.04	0.035	88	1	70-130	30
Chloromethane	0.04	0.037	92	0.04	0.033	81	13	40-160	30
Bromomethane	0.04	0.028	71	0.04	0.026	64	10	40-160	30
Vinyl chloride	0.04	0.034	84	0.04	0.031	76	10	70-130	30



Laboratory Control Sample Summary

Form 3

Volatiles

Client : Phoenix Environmental Lab Number : L2540375
 Project Name : RAMSEY SD Project Number : RAMSEY SD
 Matrix (Level) : SOIL (LOW)
 LCS Sample ID : WG2085793-3 Analysis Date : 07/01/25 07:07 File ID : V04250701A01
 LCSD Sample ID : WG2085793-4 Analysis Date : 07/01/25 07:33 File ID : V04250701A02

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/kg)	Found (mg/kg)	%R	True (mg/kg)	Found (mg/kg)	%R			
Chloroethane	0.04	0.027	68	0.04	0.025	62	9	40-160	30
1,1-Dichloroethene	0.04	0.039	98	0.04	0.036	91	7	70-130	30
trans-1,2-Dichloroethene	0.04	0.038	94	0.04	0.036	90	4	70-130	30
Trichloroethene	0.04	0.035	88	0.04	0.036	89	1	70-130	30
1,2-Dichlorobenzene	0.04	0.037	92	0.04	0.037	93	1	70-130	30
1,3-Dichlorobenzene	0.04	0.038	94	0.04	0.038	95	1	70-130	30
1,4-Dichlorobenzene	0.04	0.036	90	0.04	0.036	91	1	70-130	30
Methyl tert butyl ether	0.04	0.036	89	0.04	0.035	88	1	70-130	30
p/m-Xylene	0.08	0.070	88	0.08	0.070	87	1	70-130	30
o-Xylene	0.08	0.069	86	0.08	0.069	86	0	70-130	30
cis-1,2-Dichloroethene	0.04	0.037	92	0.04	0.036	91	1	70-130	30
Styrene	0.08	0.067	84	0.08	0.067	84	0	40-160	30
Dichlorodifluoromethane	0.04	0.034	86	0.04	0.031	78	10	40-160	30
Acetone	0.04	0.035	87	0.04	0.035	88	1	40-160	30
Carbon disulfide	0.04	0.038	96	0.04	0.035	88	9	40-160	30
2-Butanone	0.04	0.032	81	0.04	0.036	90	11	40-160	30
4-Methyl-2-pentanone	0.04	0.039	98	0.04	0.041	102	4	40-160	30
2-Hexanone	0.04	0.035	87	0.04	0.037	93	7	40-160	30
Bromochloromethane	0.04	0.036	89	0.04	0.036	89	0	70-130	30
Isopropylbenzene	0.04	0.036	90	0.04	0.036	90	0	70-130	30
1,2,3-Trichlorobenzene	0.04	0.040	100	0.04	0.042	106	6	70-130	30
1,2,4-Trichlorobenzene	0.04	0.044	109	0.04	0.045	112	3	70-130	30
Methyl Acetate	0.04	0.035	88	0.04	0.035	88	0	70-130	30
Cyclohexane	0.04	0.040	100	0.04	0.039	97	3	70-130	30
Methyl cyclohexane	0.04	0.040	99	0.04	0.040	100	1	70-130	30
Freon-113	0.04	0.042	105	0.04	0.039	98	7	70-130	30



Laboratory Control Sample Summary

Form 3

Volatiles

Client : Phoenix Environmental Lab Number : L2540375
 Project Name : RAMSEY SD Project Number : RAMSEY SD
 Matrix (Level) : SOIL (LOW)
 LCS Sample ID : WG2086622-3 Analysis Date : 07/02/25 06:58 File ID : V17250702A01
 LCSD Sample ID : WG2086622-4 Analysis Date : 07/02/25 07:24 File ID : V17250702A02

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/kg)	Found (mg/kg)	%R	True (mg/kg)	Found (mg/kg)	%R			
1,2-Dibromo-3-chloropropane	0.04	0.035	87	0.04	0.036	90	3	40-160	30
1,4-Dioxane	2	2.0	100	2	2.0	98	2	40-160	30
1,2-Dibromoethane	0.04	0.039	97	0.04	0.038	96	1	70-130	30
Methylene chloride	0.04	0.038	96	0.04	0.037	92	4	70-130	30
1,1-Dichloroethane	0.04	0.037	92	0.04	0.036	91	1	70-130	30
Chloroform	0.04	0.038	94	0.04	0.036	91	3	70-130	30
Carbon tetrachloride	0.04	0.036	90	0.04	0.035	87	3	70-130	30
1,2-Dichloropropane	0.04	0.038	96	0.04	0.038	94	2	70-130	30
Dibromochloromethane	0.04	0.037	93	0.04	0.036	91	2	70-130	30
1,1,2-Trichloroethane	0.04	0.038	95	0.04	0.037	92	3	70-130	30
Tetrachloroethene	0.04	0.037	92	0.04	0.036	90	2	70-130	30
Chlorobenzene	0.04	0.036	91	0.04	0.035	87	4	70-130	30
Trichlorofluoromethane	0.04	0.042	104	0.04	0.040	99	5	40-160	30
1,2-Dichloroethane	0.04	0.037	92	0.04	0.036	90	2	70-130	30
1,1,1-Trichloroethane	0.04	0.038	94	0.04	0.036	90	4	70-130	30
Bromodichloromethane	0.04	0.038	94	0.04	0.037	92	2	70-130	30
trans-1,3-Dichloropropene	0.04	0.036	91	0.04	0.035	87	4	70-130	30
cis-1,3-Dichloropropene	0.04	0.039	98	0.04	0.038	95	3	40-160	30
Bromoform	0.04	0.034	86	0.04	0.034	85	1	40-160	30
1,1,2,2-Tetrachloroethane	0.04	0.037	92	0.04	0.037	91	1	40-160	30
Benzene	0.04	0.039	97	0.04	0.038	94	3	70-130	30
Toluene	0.04	0.031	77	0.04	0.030	74	4	70-130	30
Ethylbenzene	0.04	0.036	89	0.04	0.034	84	6	70-130	30
Chloromethane	0.04	0.032	81	0.04	0.031	78	4	40-160	30
Bromomethane	0.04	0.055	138	0.04	0.050	126	9	40-160	30
Vinyl chloride	0.04	0.042	106	0.04	0.039	98	8	70-130	30



Laboratory Control Sample Summary

Form 3

Volatiles

Client : Phoenix Environmental Lab Number : L2540375
 Project Name : RAMSEY SD Project Number : RAMSEY SD
 Matrix (Level) : SOIL (LOW)
 LCS Sample ID : WG2086622-3 Analysis Date : 07/02/25 06:58 File ID : V17250702A01
 LCSD Sample ID : WG2086622-4 Analysis Date : 07/02/25 07:24 File ID : V17250702A02

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/kg)	Found (mg/kg)	%R	True (mg/kg)	Found (mg/kg)	%R			
Chloroethane	0.04	0.045	112	0.04	0.042	106	6	40-160	30
1,1-Dichloroethene	0.04	0.040	101	0.04	0.039	98	3	70-130	30
trans-1,2-Dichloroethene	0.04	0.038	94	0.04	0.037	92	2	70-130	30
Trichloroethene	0.04	0.038	95	0.04	0.037	93	2	70-130	30
1,2-Dichlorobenzene	0.04	0.036	90	0.04	0.035	88	2	70-130	30
1,3-Dichlorobenzene	0.04	0.036	90	0.04	0.035	87	3	70-130	30
1,4-Dichlorobenzene	0.04	0.036	91	0.04	0.036	90	1	70-130	30
Methyl tert butyl ether	0.04	0.036	90	0.04	0.035	88	2	70-130	30
p/m-Xylene	0.08	0.074	92	0.08	0.069	86	7	70-130	30
o-Xylene	0.08	0.072	90	0.08	0.068	85	6	70-130	30
cis-1,2-Dichloroethene	0.04	0.038	95	0.04	0.037	93	2	70-130	30
Styrene	0.08	0.073	92	0.08	0.070	88	4	40-160	30
Dichlorodifluoromethane	0.04	0.035	87	0.04	0.033	84	4	40-160	30
Acetone	0.04	0.040	101	0.04	0.038	95	6	40-160	30
Carbon disulfide	0.04	0.040	99	0.04	0.038	95	4	40-160	30
2-Butanone	0.04	0.038	94	0.04	0.037	92	2	40-160	30
4-Methyl-2-pentanone	0.04	0.034	85	0.04	0.034	86	1	40-160	30
2-Hexanone	0.04	0.032	80	0.04	0.032	79	1	40-160	30
Bromochloromethane	0.04	0.039	97	0.04	0.038	96	1	70-130	30
Isopropylbenzene	0.04	0.035	87	0.04	0.034	84	4	70-130	30
1,2,3-Trichlorobenzene	0.04	0.036	89	0.04	0.035	88	1	70-130	30
1,2,4-Trichlorobenzene	0.04	0.037	92	0.04	0.036	89	3	70-130	30
Methyl Acetate	0.04	0.044	111	0.04	0.042	104	7	70-130	30
Cyclohexane	0.04	0.038	94	0.04	0.036	91	3	70-130	30
Methyl cyclohexane	0.04	0.038	96	0.04	0.037	92	4	70-130	30
Freon-113	0.04	0.042	105	0.04	0.040	101	4	70-130	30



Internal Standard Summary

Internal Standard Area and RT Summary

Form 8a

Volatiles

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : VOA116
 Sample No : WG2084905-2

Lab Number : L2540375
 Project Number : RAMSEY SD
 Analysis Date : 06/28/25 06:27:00
 Lab File ID : V16250628A02

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG2084905-2	631171	5.36	530920	8.84	259936	11.67
Upper Limit	1262342	5.86	1061840	9.34	519872	12.17
Lower Limit	315586	4.86	265460	8.34	129968	11.17
Sample ID						
WG2084905-3 LCS	631171	5.36	530920	8.84	259936	11.67
WG2084905-4 LCSD	666355	5.35	554433	8.84	272197	11.68
WG2084905-5 BLANK	622861	5.35	528148	8.84	242557	11.68
UST-E1	609939	5.36	505175	8.84	235237	11.68
UST-E2	648954	5.35	550194	8.84	259134	11.68

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

* Values outside of QC limits



Internal Standard Area and RT Summary

Form 8a

Volatiles

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : VOA104
 Sample No : WG2085793-2

Lab Number : L2540375
 Project Number : RAMSEY SD
 Analysis Date : 07/01/25 07:07:00
 Lab File ID : V04250701A01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG2085793-2	390126	5.38	282200	8.84	145382	11.67
Upper Limit	780252	5.88	564400	9.34	290764	12.17
Lower Limit	195063	4.88	141100	8.34	72691	11.17
Sample ID						
WG2085793-3 LCS	390126	5.38	282200	8.84	145382	11.67
WG2085793-4 LCSD	381873	5.38	285878	8.84	148030	11.67
WG2085793-5 BLANK	385172	5.38	289452	8.84	170439	11.67
UST-E1	398741	5.38	290412	8.84	161740	11.68

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

* Values outside of QC limits



Internal Standard Area and RT Summary

Form 8a

Volatiles

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : VOA117
 Sample No : WG2086622-2

Lab Number : L2540375
 Project Number : RAMSEY SD
 Analysis Date : 07/02/25 06:58:00
 Lab File ID : V17250702A01

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG2086622-2	93640	5.92	85474	9.43	52237	12.15
Upper Limit	187280	6.42	170948	9.93	104474	12.65
Lower Limit	46820	5.42	42737	8.93	26119	11.65
Sample ID						
WG2086622-3 LCS	93640	5.92	85474	9.43	52237	12.15
WG2086622-4 LCSD	99434	5.92	91358	9.43	55262	12.15
WG2086622-5 BLANK	90232	5.92	80765	9.43	45915	12.15
UST-E2	119768	5.92	107189	9.43	57556	12.15

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

* Values outside of QC limits



Chromatograms

Sample Raw Data

Quantitation Report (QT Reviewed)

Data Path : K:\VOA104\2025\250701A\
 Data File : V04250701A17.D
 Acq On : 1 Jul 2025 2:09 pm
 Operator : VOA104:AJK
 Sample : L2540375-01,31,5.71,5,,Y
 Misc : WG2085793,ICAL22360
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 01 15:32:28 2025
 Quant Method : K:\VOA104\2025\250701A\V104_250611A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jun 12 14:02:06 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA104\2025\250701A\V04250701A01.D
 Sub List : 8260-NJ+TBA - Standard NJ plus TBA Sublist

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

Internal Standards						
1) Fluorobenzene	5.382	96	398741	20.000	ug/L	0.00
Standard Area 1 = 390126			Recovery = 102.21%			
59) Chlorobenzene-d5	8.843	117	290412	20.000	ug/L	0.00
Standard Area 1 = 282200			Recovery = 102.91%			
79) 1,4-Dichlorobenzene-d4	11.679	152	161740	20.000	ug/L	0.00
Standard Area 1 = 145382			Recovery = 111.25%			
System Monitoring Compounds						
36) Dibromofluoromethane	4.617	113	104904	18.328	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 91.64%			
43) 1,2-Dichloroethane-d4	5.115	65	87447	17.020	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 85.10%			
60) Toluene-d8	7.029	98	356340	18.009	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 90.05%			
83) 4-Bromofluorobenzene	10.400	95	129684	17.776	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery = 88.88%			
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.576	50	185	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	1.885	94	708	0.112	ug/L #	55
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.551	76	3253	0.171	ug/L	93
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.028	84	2597	0.400	ug/L	88
17) Acetone	3.076	43	19175	16.933	ug/L	92
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	0.000		0	N.D.	d	
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	4.355	56	56	N.D.		
32) Chloroform	4.449	83	1414	0.129	ug/L #	73
34) Carbon tetrachloride	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : K:\VOA104\2025\250701A\
 Data File : V04250701A17.D
 Acq On : 1 Jul 2025 2:09 pm
 Operator : VOA104:AJK
 Sample : L2540375-01,31,5.71,5,,Y
 Misc : WG2085793,ICAL22360
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 01 15:32:28 2025
 Quant Method : K:\VOA104\2025\250701A\V104_250611A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jun 12 14:02:06 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA104\2025\250701A\V04250701A01.D
 Sub List : 8260-NJ+TBA - Standard NJ plus TBA Sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1,1,1-Trichloroethane	0.000		0		N.D.	
39) 2-Butanone	4.727	43	48		N.D.	
41) Benzene	0.000		0		N.D.	
44) 1,2-Dichloroethane	0.000		0		N.D.	
47) Methylcyclohexane	0.000		0		N.D.	
48) Trichloroethene	0.000		0		N.D.	
51) 1,2-Dichloropropane	0.000		0		N.D.	
54) Bromodichloromethane	0.000		0		N.D.	
57) 1,4-Dioxane	0.000		0		N.D.	
58) cis-1,3-Dichloropropene	0.000		0		N.D.	
61) Toluene	7.086	92	3134	0.227	ug/L	99
62) 4-Methyl-2-pentanone	0.000		0		N.D.	
63) Tetrachloroethene	0.000		0		N.D.	
65) trans-1,3-Dichloropropene	0.000		0		N.D.	
68) 1,1,2-Trichloroethane	0.000		0		N.D.	
69) Chlorodibromomethane	0.000		0		N.D.	
71) 1,2-Dibromoethane	0.000		0		N.D.	
72) 2-Hexanone	8.565	43	50		N.D.	
73) Chlorobenzene	0.000		0		N.D.	
74) Ethylbenzene	8.927	91	1692		N.D.	
76) p/m Xylene	8.922	106	63		N.D.	
77) o Xylene	0.000		0		N.D.	
78) Styrene	0.000		0		N.D.	
80) Bromoform	0.000		0		N.D.	
82) Isopropylbenzene	0.000		0		N.D.	
87) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
100) 1,3-Dichlorobenzene	0.000		0		N.D.	
101) 1,4-Dichlorobenzene	0.000		0		N.D.	
104) 1,2-Dichlorobenzene	0.000		0		N.D.	
106) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
109) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
111) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

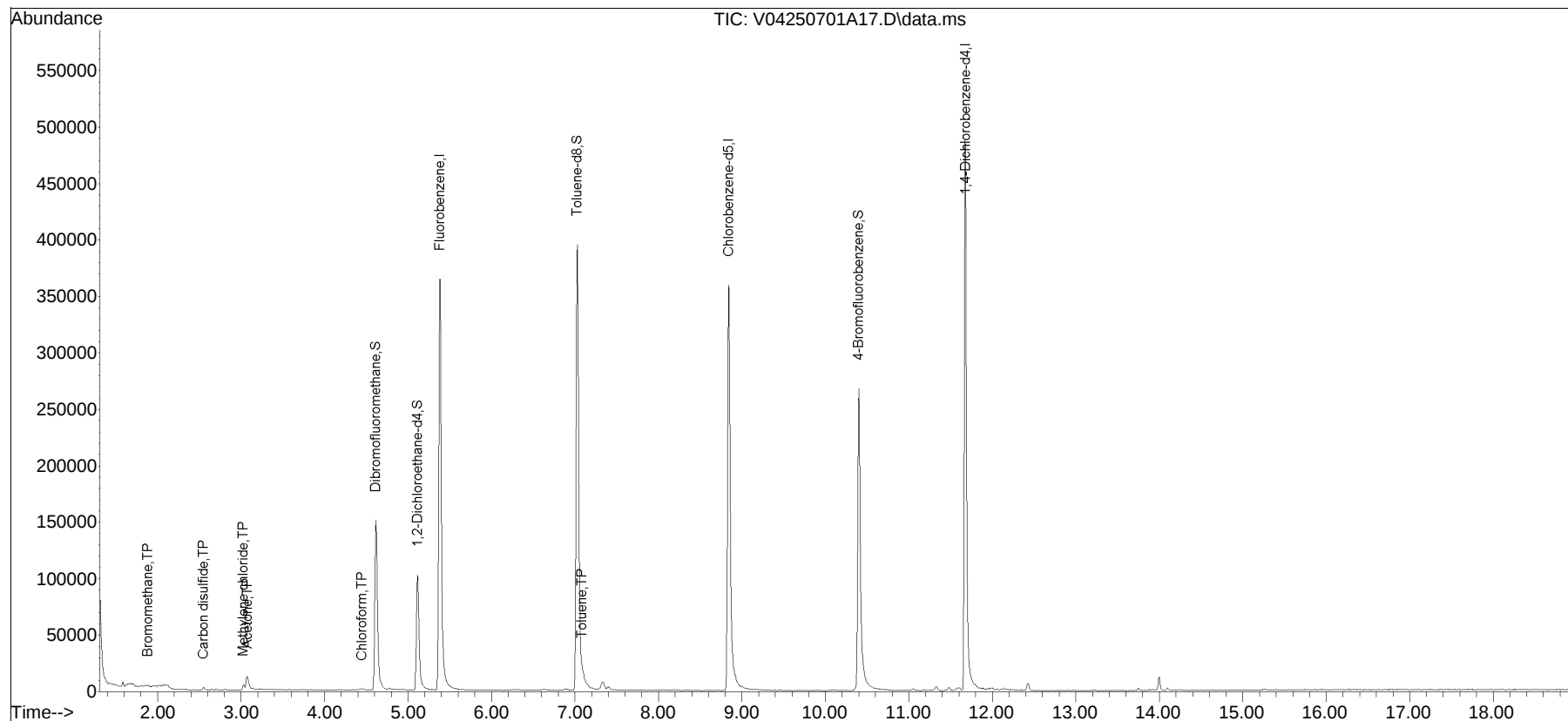
(#) = qualifier out of range (m) = manual integration (+) = signals summed

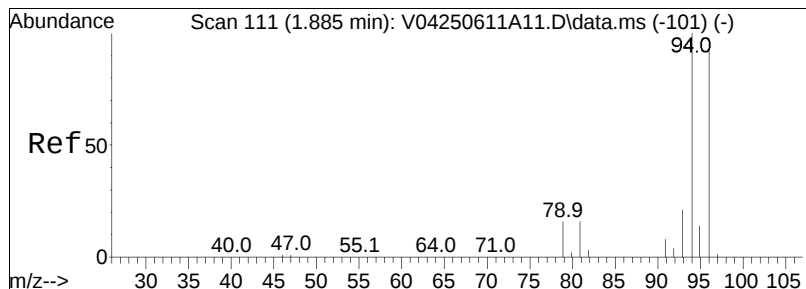
Quantitation Report (QT Reviewed)

Data Path : K:\VOA104\2025\250701A\
 Data File : V04250701A17.D
 Acq On : 1 Jul 2025 2:09 pm
 Operator : VOA104:AJK
 Sample : L2540375-01,31,5.71,5,,Y
 Misc : WG2085793,ICAL22360
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jul 01 15:32:28 2025
 Quant Method : K:\VOA104\2025\250701A\V104_250611A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jun 12 14:02:06 2025
 Response via : Initial Calibration

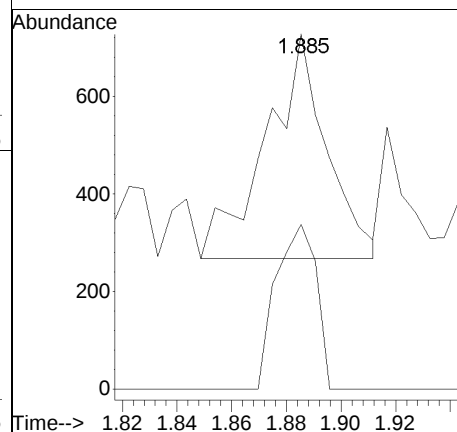
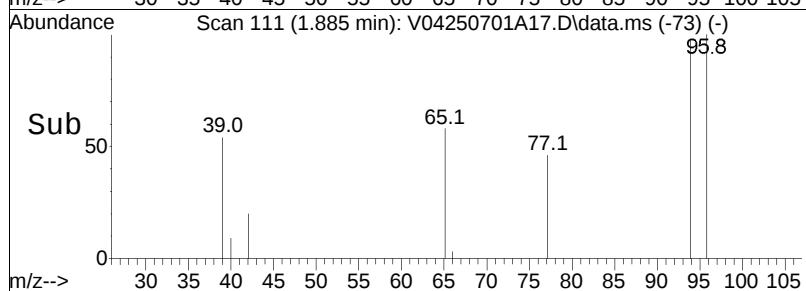
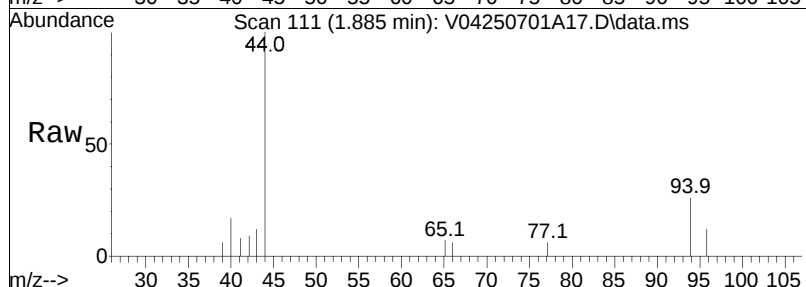
Sub List : 8260-NJ+TBA - Standard NJ plus TBA Sublist

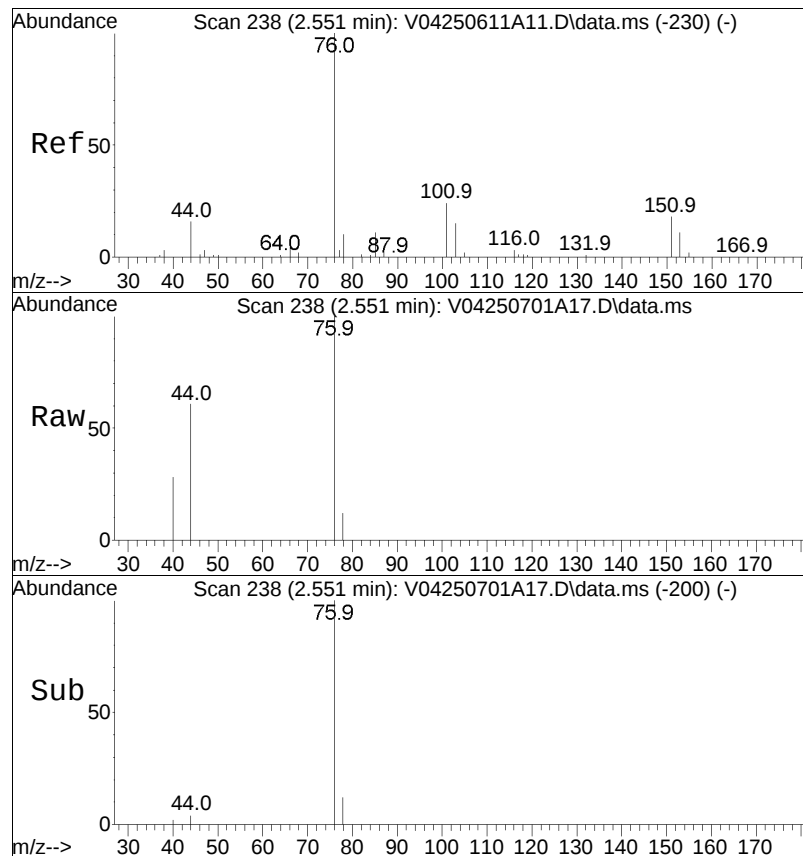




#5
 Bromomethane
 Concen: 0.11 ug/L
 RT: 1.885 min Scan# 111
 Delta R.T. 0.000 min
 Lab File: V04250701A17.D
 Acq: 1 Jul 2025 2:09 pm

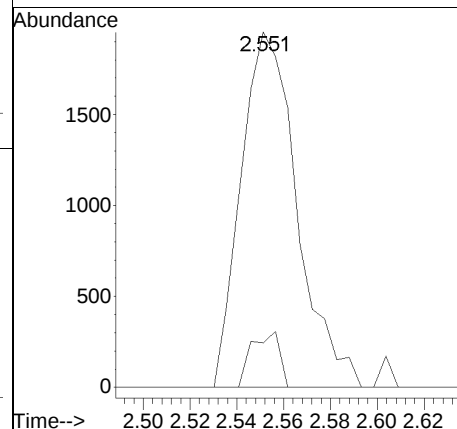
Tgt Ion: 94 Resp: 708
 Ion Ratio Lower Upper
 94 100
 96 48.7 71.0 111.0#

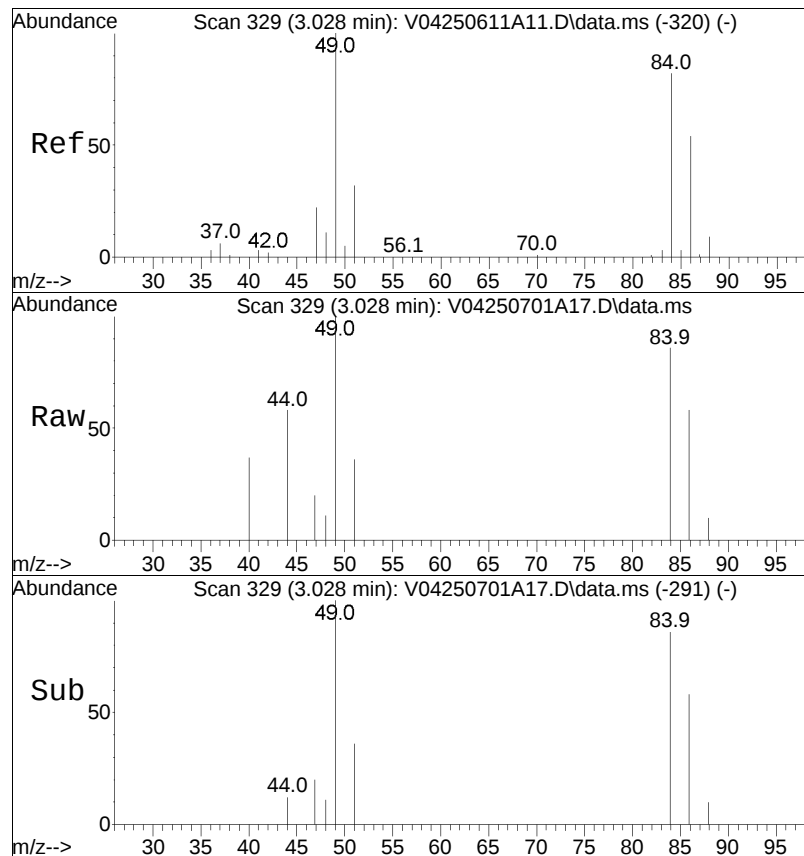




#11
Carbon disulfide
Concen: 0.17 ug/L
RT: 2.551 min Scan# 238
Delta R.T. 0.000 min
Lab File: V04250701A17.D
Acq: 1 Jul 2025 2:09 pm

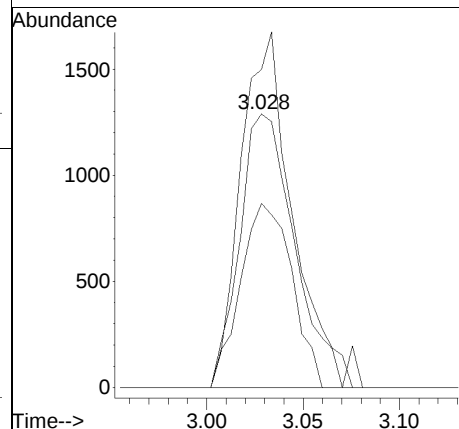
Tgt Ion	Ratio	Lower	Upper
76	100		
78	7.8	6.6	13.8

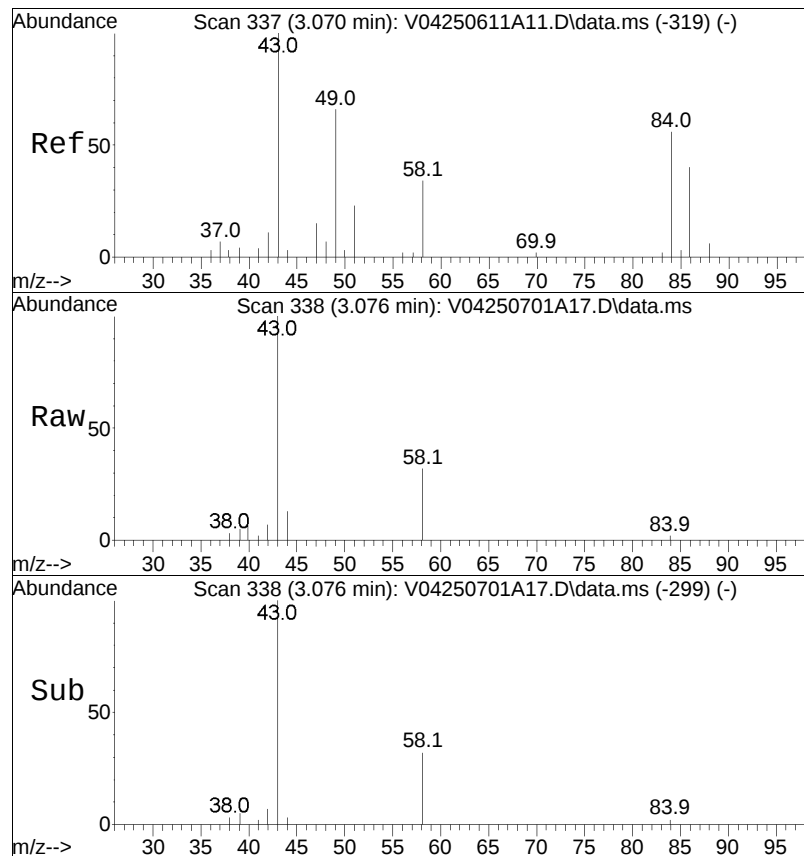




#15
Methylene chloride
Concen: 0.40 ug/L
RT: 3.028 min Scan# 329
Delta R.T. 0.000 min
Lab File: V04250701A17.D
Acq: 1 Jul 2025 2:09 pm

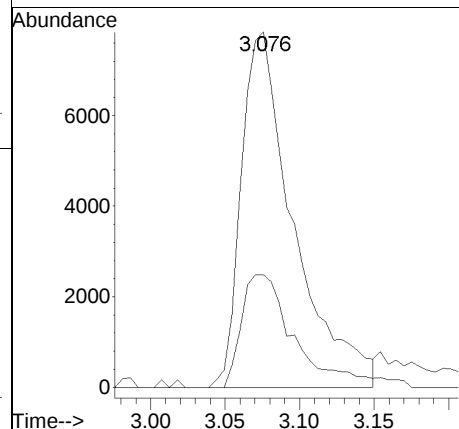
Tgt Ion	Ratio	Lower	Upper
84	100		
86	62.0	41.3	85.9
49	119.9	91.0	189.0

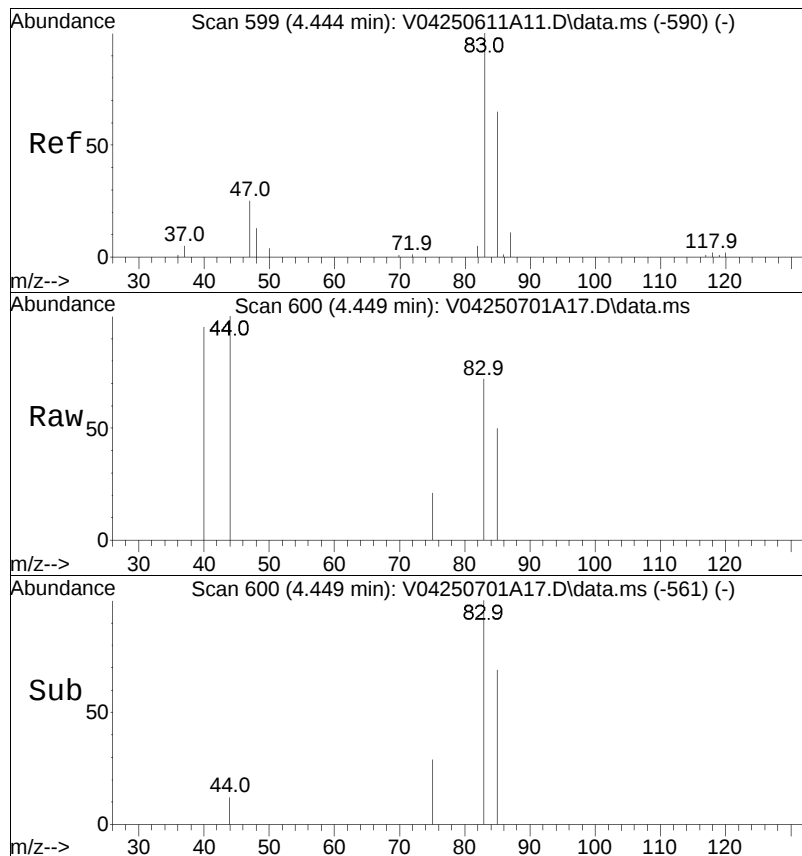




#17
 Acetone
 Concen: 16.93 ug/L
 RT: 3.076 min Scan# 338
 Delta R.T. 0.006 min
 Lab File: V04250701A17.D
 Acq: 1 Jul 2025 2:09 pm

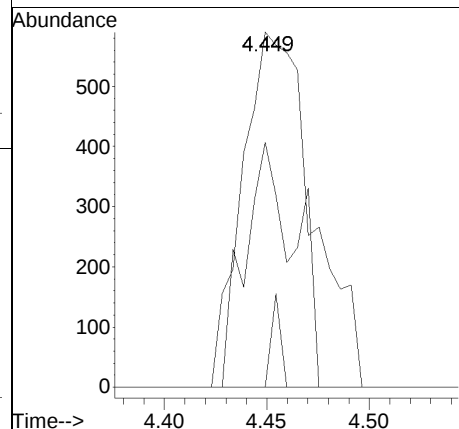
Tgt Ion:	43	58	Ratio	100	33.1	Resp:	19175	Lower	Upper
								23.2	34.8

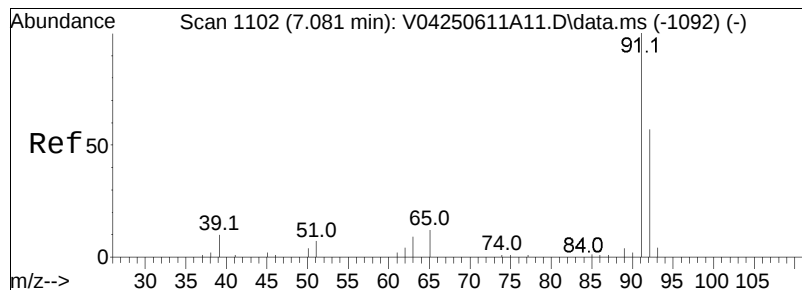




#32
 Chloroform
 Concen: 0.13 ug/L
 RT: 4.449 min Scan# 600
 Delta R.T. 0.005 min
 Lab File: V04250701A17.D
 Acq: 1 Jul 2025 2:09 pm

Tgt Ion: 83	Resp: 1414
Ion Ratio	Lower Upper
83 100	
85 49.0	41.9 87.1
47 3.5	16.7 34.7#
48 0.0	7.9 16.3#





#61

Toluene

Concen: 0.23 ug/L

RT: 7.086 min Scan# 1103

Delta R.T. 0.005 min

Lab File: V04250701A17.D

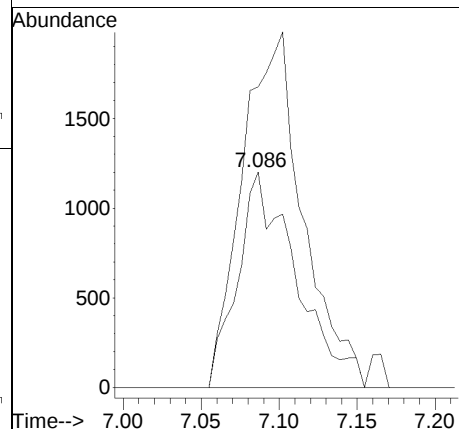
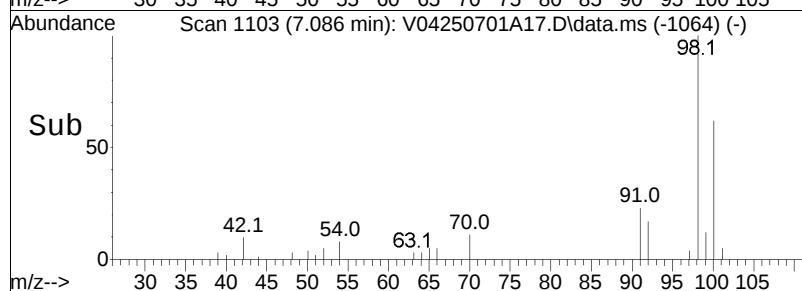
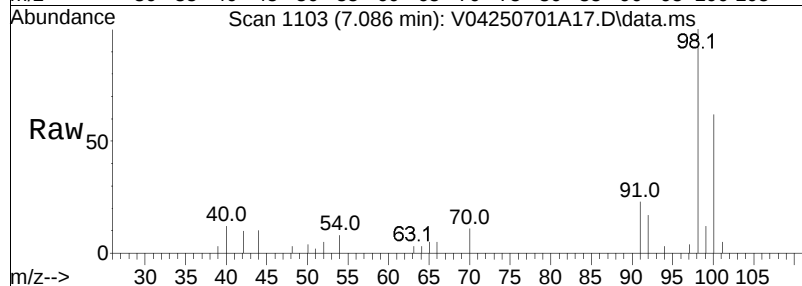
Acq: 1 Jul 2025 2:09 pm

Tgt Ion: 92 Resp: 3134

Ion Ratio Lower Upper

92 100

91 171.0 135.8 203.6



Manual Integration Report

Data Path	: K:\V0A104\2025\250701A\	QMethod	: V104_250611A_8260.m
Data File	: V04250701A17.D	Operator	: V0A104:AJK
Date Inj'd	: 7/1/2025 2:09 pm	Instrument	: V0A104
Sample	: L2540375-01,31,5.71,5,,Y	Quant Date	: 7/1/2025 3:29 pm

There are no manual integrations or false positives in this file.

LSC Area Percent Report

Data Path : K:\VOA104\2025\250701A\
 Data File : V04250701A17.D
 Acq On : 1 Jul 2025 2:09 pm
 Operator : VOA104:AJK
 Sample : L2540375-01,31,5.71,5,,Y
 Misc : WG2085793,ICAL22360
 ALS Vial : 17 Sample Multiplier: 1

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : K:\VOA104\2025\250701A\V104_250611A_8260.m

Title : VOLATILES BY GC/MS

Signal : TIC: V04250701A17.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.617	623	632	657	rBV	150470	340283	37.41%	7.298%
2	5.115	715	727	758	rBV	102185	235716	25.91%	5.056%
3	5.382	768	778	823	rBV	364133	804415	88.43%	17.253%
4	7.029	1080	1092	1122	rBV	394813	897886	98.70%	19.258%
5	8.843	1428	1438	1477	rBV	359407	839782	92.32%	18.011%
6	10.400	1720	1735	1773	rBV2	267395	634721	69.77%	13.613%
7	11.674	1970	1978	2018	rBV	487279	909675	100.00%	19.511%

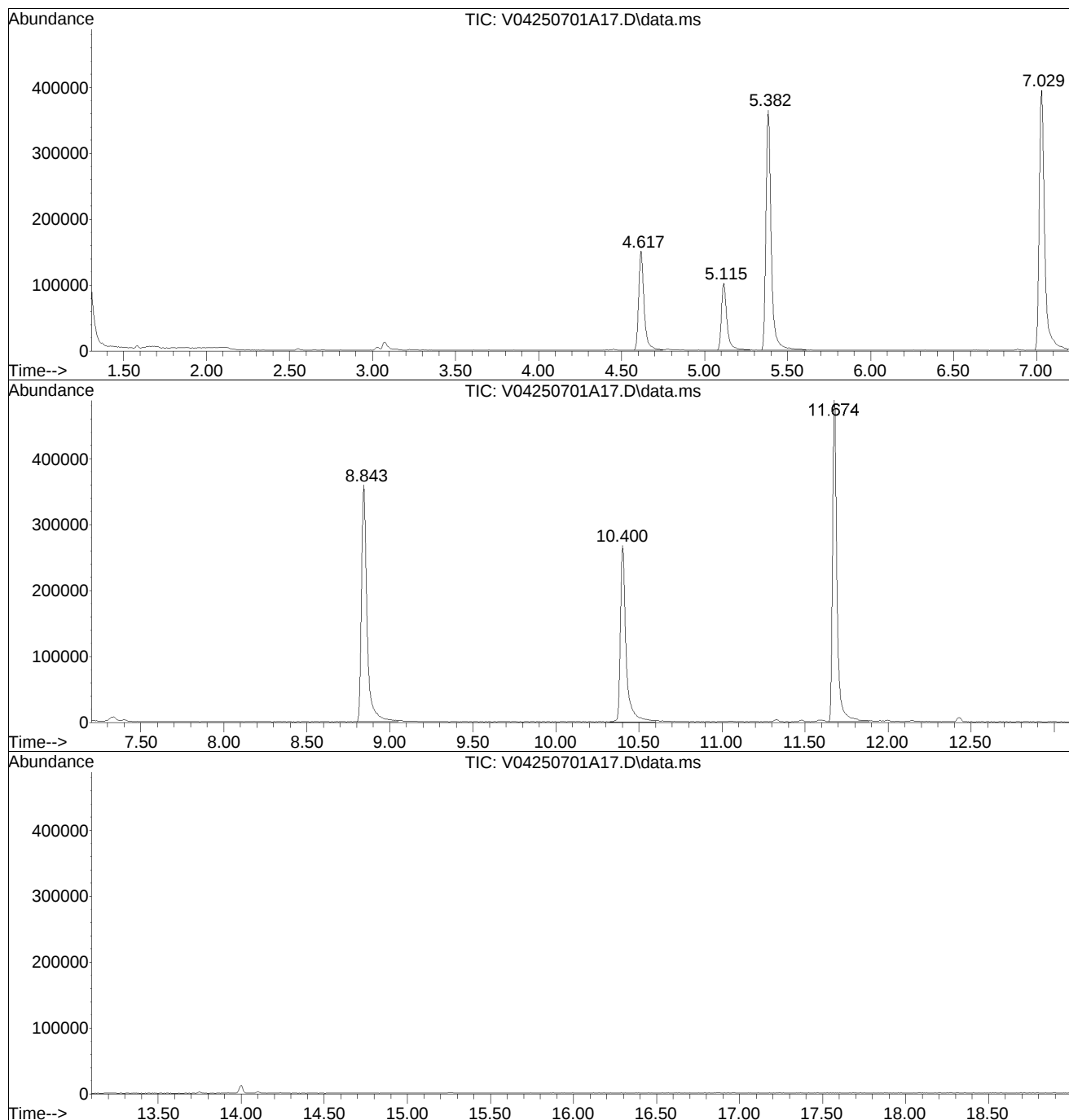
Sum of corrected areas: 4662478

LSC Report - Integrated Chromatogram

Data Path : K:\VOA104\2025\250701A\
Data File : V04250701A17.D
Acq On : 1 Jul 2025 2:09 pm
Operator : VOA104:AJK
Sample : L2540375-01,31,5.71,5,,Y
Misc : WG2085793,ICAL22360
ALS Vial : 17 Sample Multiplier: 1

Quant Method : K:\VOA104\2025\250701A\V104_250611A_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : K:\VOA104\2025\250701A\
Data File : V04250701A17.D
Acq On : 1 Jul 2025 2:09 pm
Operator : VOA104:AJK
Sample : L2540375-01,31,5.71,5,,Y
Misc : WG2085793,ICAL22360
ALS Vial : 17 Sample Multiplier: 1

Quant Method : K:\VOA104\2025\250701A\V104_250611A_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected

Tentatively Identified Compound (LSC) summary

Data Path : K:\VOA104\2025\250701A\
 Data File : V04250701A17.D
 Acq On : 1 Jul 2025 2:09 pm
 Operator : VOA104:AJK
 Sample : L2540375-01,31,5.71,5,,Y
 Misc : WG2085793,ICAL22360
 ALS Vial : 17 Sample Multiplier: 1

Quant Method : K:\VOA104\2025\250701A\V104_250611A_8260.m
 Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
 TIC Integration Parameters: rteint.p

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard-- # RT Resp Conc

Quantitation Report (QT/LSC Reviewed)

Data Path : K:\VOA117\2025\250702A\
 Data File : V17250702A07.D
 Acq On : 02 Jul 2025 09:33 am
 Operator : VOA117:AJK
 Sample : L2540375-02,31,6.00,5,,Y
 Misc : WG2086622,ICAL22428
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 02 12:13:19 2025
 Quant Method : K:\VOA117\2025\250702A\V117_250626A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 27 11:08:50 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA117\2025\250702A\V17250702A01.D
 Sub List : 8260-NJ+TBA - Standard NJ plus TBA Sublist

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

Internal Standards						
1) Fluorobenzene	5.923	96	119768	20.000	ug/L	0.00
Standard Area 1 = 93640			Recovery =	127.90%		
59) Chlorobenzene-d5	9.430	117	107189	20.000	ug/L	0.00
Standard Area 1 = 85474			Recovery =	125.41%		
79) 1,4-Dichlorobenzene-d4	12.152	152	57556	20.000	ug/L	0.00
Standard Area 1 = 52237			Recovery =	110.18%		
System Monitoring Compounds						
36) Dibromofluoromethane	5.120	113	26518	15.017	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	75.09%		
43) 1,2-Dichloroethane-d4	5.640	65	29946	20.328	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	101.64%		
60) Toluene-d8	7.600	98	115513	18.155	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	90.78%		
83) 4-Bromofluorobenzene	10.935	95	51792	25.595	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	127.97%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	0.000		0	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.195	94	294	0.126	ug/L #	73
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.955	76	408	0.090	ug/L #	73
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.	d	
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	0.000		0	N.D.	d	
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	4.140	63	73	N.D.		
28) cis-1,2-Dichloroethene	4.680	96	52	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	4.885	56	46657	24.109	ug/L #	66
32) Chloroform	0.000		0	N.D.	d	
34) Carbon tetrachloride	0.000		0	N.D.		

Quantitation Report (QT/LSC Reviewed)

Data Path : K:\VOA117\2025\250702A\
 Data File : V17250702A07.D
 Acq On : 02 Jul 2025 09:33 am
 Operator : VOA117:AJK
 Sample : L2540375-02,31,6.00,5,,Y
 Misc : WG2086622,ICAL22428
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 02 12:13:19 2025
 Quant Method : K:\VOA117\2025\250702A\V117_250626A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 27 11:08:50 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA117\2025\250702A\V17250702A01.D
 Sub List : 8260-NJ+TBA - Standard NJ plus TBA Sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1,1,1-Trichloroethane	0.000		0	N.D.	d	
39) 2-Butanone	0.000		0	N.D.	d	
41) Benzene	5.519	78	313	N.D.		
44) 1,2-Dichloroethane	0.000		0	N.D.	d	
47) Methylcyclohexane	6.106	83	182109	73.856	ug/L #	65
48) Trichloroethene	0.000		0	N.D.	d	
51) 1,2-Dichloropropane	0.000		0	N.D.	d	
54) Bromodichloromethane	0.000		0	N.D.	d	
57) 1,4-Dioxane	0.000		0	N.D.		
58) cis-1,3-Dichloropropene	7.239	75	102	N.D.		
61) Toluene	0.000		0	N.D.	d	
62) 4-Methyl-2-pentanone	0.000		0	N.D.	d	
63) Tetrachloroethene	0.000		0	N.D.		
65) trans-1,3-Dichloropropene	0.000		0	N.D.		
68) 1,1,2-Trichloroethane	0.000		0	N.D.	d	
69) Chlorodibromomethane	0.000		0	N.D.		
71) 1,2-Dibromoethane	0.000		0	N.D.	d	
72) 2-Hexanone	0.000		0	N.D.	d	
73) Chlorobenzene	0.000		0	N.D.	d	
74) Ethylbenzene	9.478	91	336	N.D.		
76) p/m Xylene	9.682	106	2157	0.670	ug/L	84
77) o Xylene	10.222	106	190	N.D.		
78) Styrene	0.000		0	N.D.		
80) Bromoform	0.000		0	N.D.		
82) Isopropylbenzene	10.610	105	15313	2.009	ug/L	97
87) 1,1,2,2-Tetrachloroethane	0.000		0	N.D.	d	
100) 1,3-Dichlorobenzene	0.000		0	N.D.		
101) 1,4-Dichlorobenzene	0.000		0	N.D.		
104) 1,2-Dichlorobenzene	0.000		0	N.D.		
106) 1,2-Dibromo-3-chloropr...	0.000		0	N.D.		
109) 1,2,4-Trichlorobenzene	0.000		0	N.D.		
111) 1,2,3-Trichlorobenzene	0.000		0	N.D.		

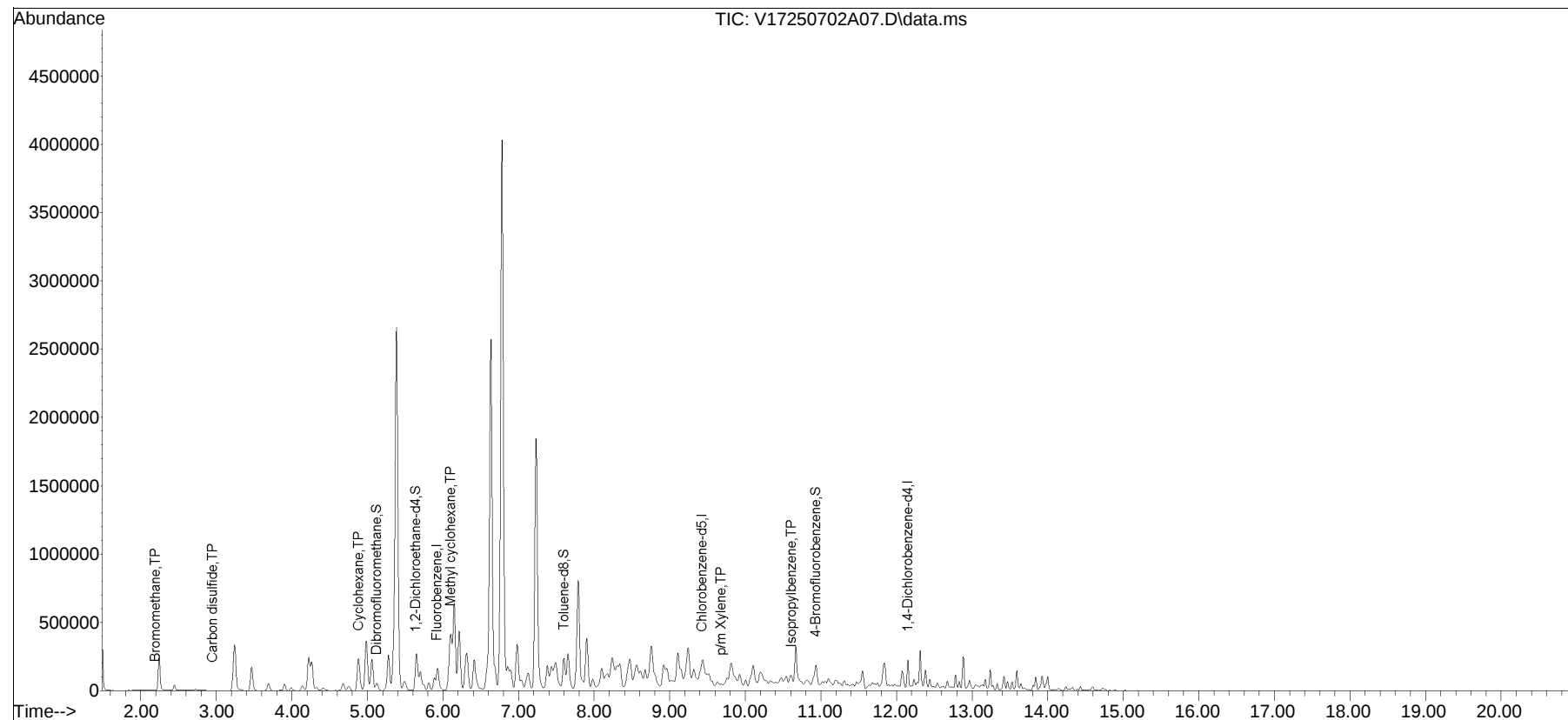
(#) = qualifier out of range (m) = manual integration (+) = signals summed

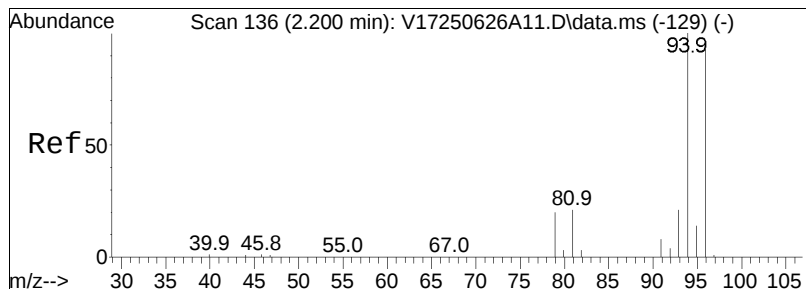
Quantitation Report (QT/LSC Reviewed)

Data Path : K:\VOA117\2025\250702A\
 Data File : V17250702A07.D
 Acq On : 02 Jul 2025 09:33 am
 Operator : VOA117:AJK
 Sample : L2540375-02,31,6.00,5,,Y
 Misc : WG2086622,ICAL22428
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 02 12:13:19 2025
 Quant Method : K:\VOA117\2025\250702A\V117_250626A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 27 11:08:50 2025
 Response via : Initial Calibration

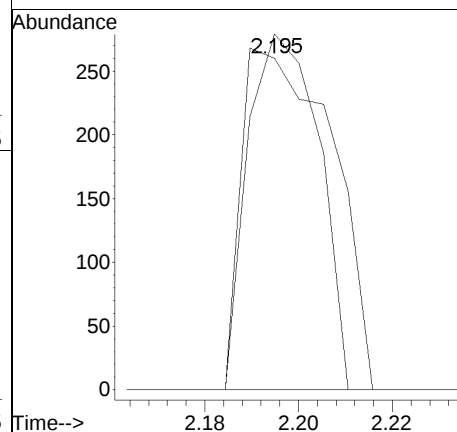
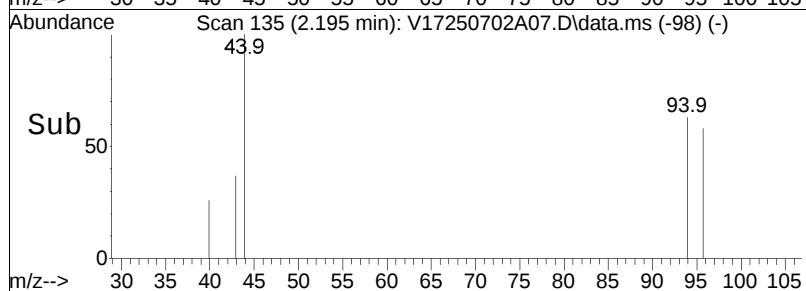
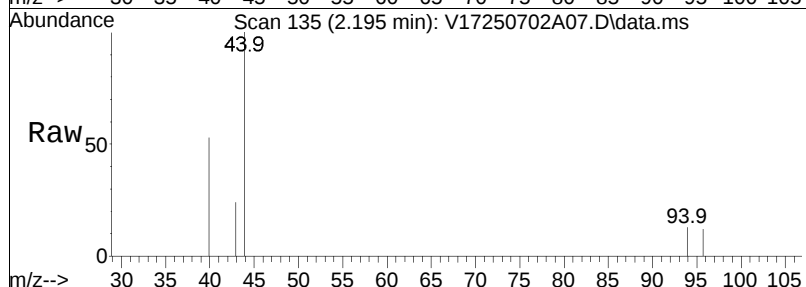
Sub List : 8260-NJ+TBA - Standard NJ plus TBA Sublist

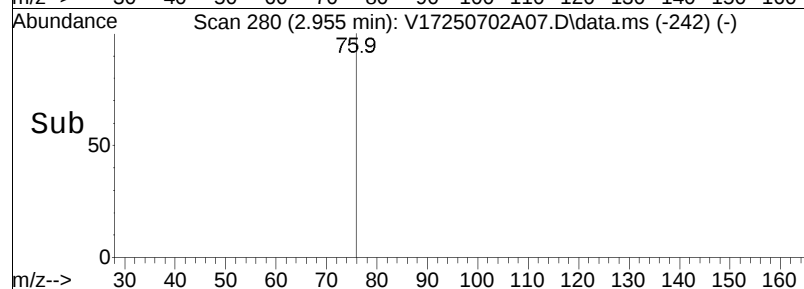
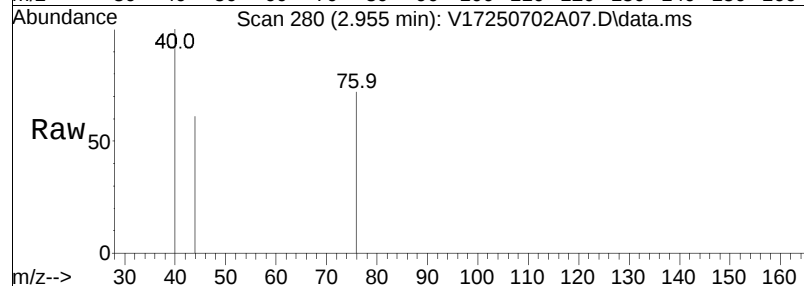
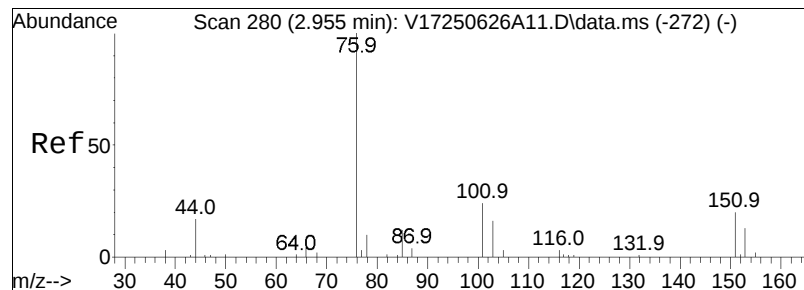




#5
 Bromomethane
 Concen: 0.13 ug/L
 RT: 2.195 min Scan# 135
 Delta R.T. -0.005 min
 Lab File: V17250702A07.D
 Acq: 02 Jul 2025 09:33 am

Tgt Ion: 94 Resp: 294
 Ion Ratio Lower Upper
 94 100
 96 121.4 75.2 115.2#





#11

Carbon disulfide

Concen: 0.09 ug/L

RT: 2.955 min Scan# 280

Delta R.T. 0.000 min

Lab File: V17250702A07.D

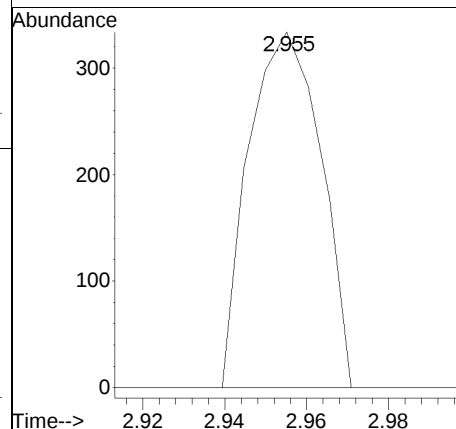
Acq: 02 Jul 2025 09:33 am

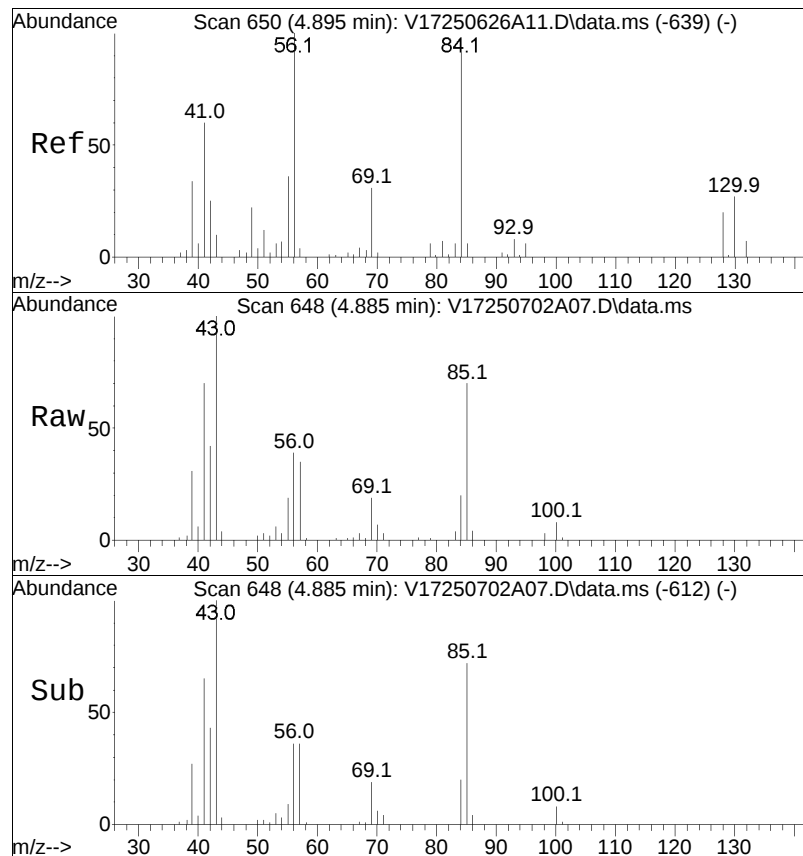
Tgt Ion: 76 Resp: 408

Ion Ratio Lower Upper

76 100

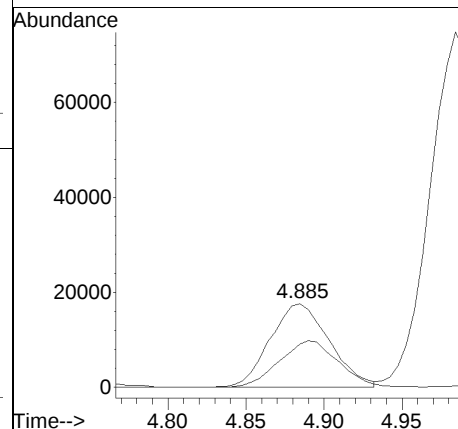
78 0.0 6.4 13.2#

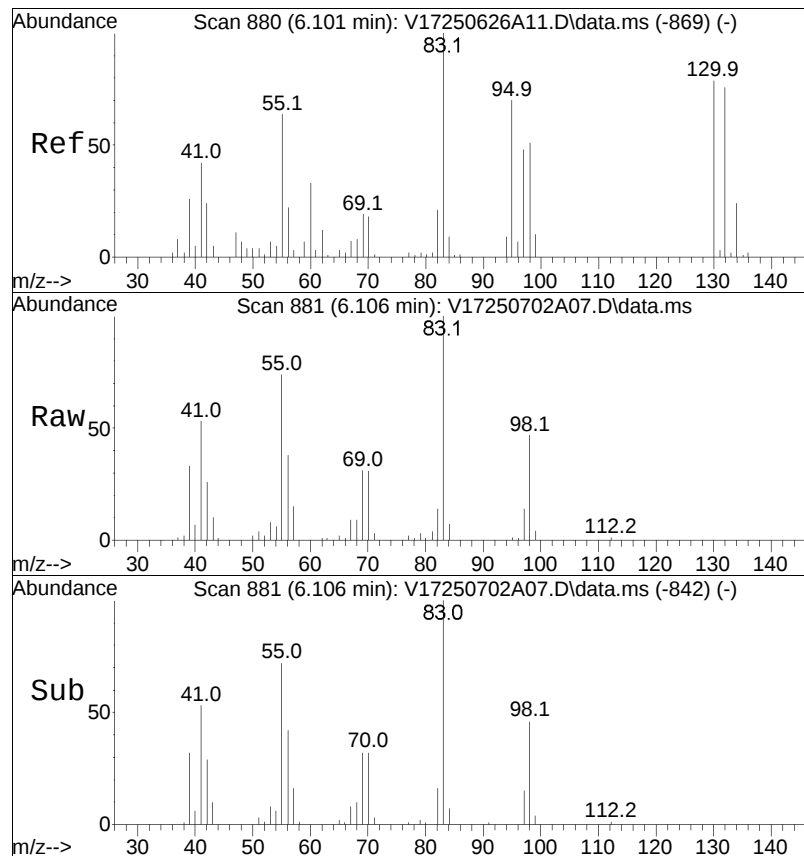




#31
 Cyclohexane
 Concen: 24.11 ug/L
 RT: 4.885 min Scan# 648
 Delta R.T. -0.011 min
 Lab File: V17250702A07.D
 Acq: 02 Jul 2025 09:33 am

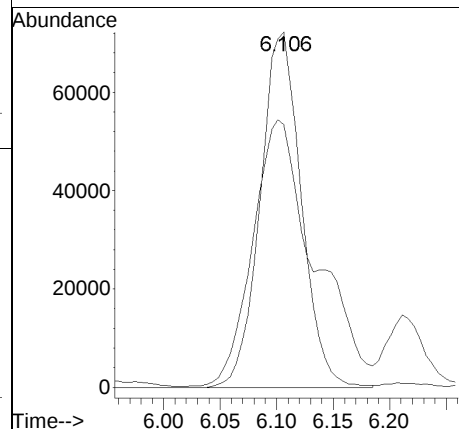
Tgt	Ion	Resp	Lower	Upper
56	100	46657		
84	55.8	56.8	118.0#	

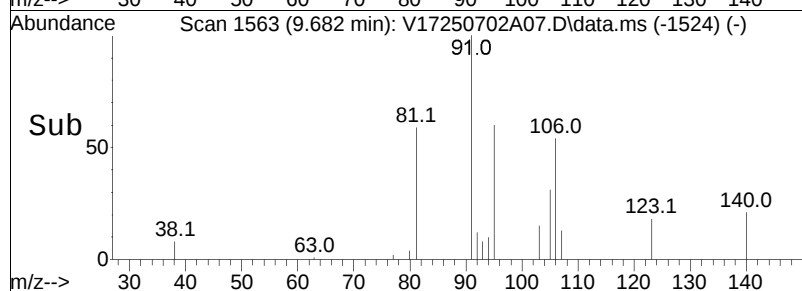
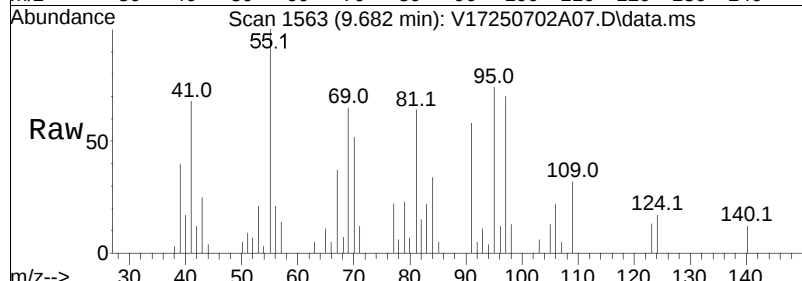
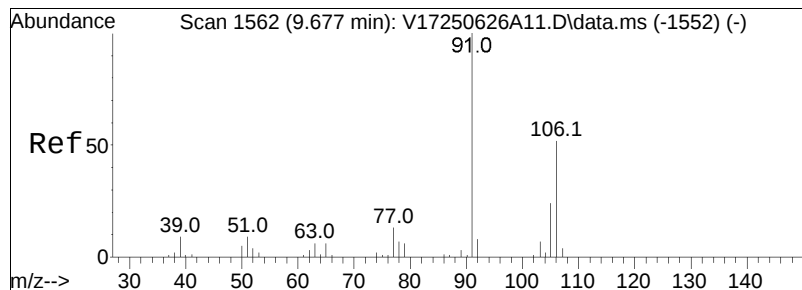




#47
Methyl cyclohexane
Concen: 73.86 ug/L
RT: 6.106 min Scan# 881
Delta R.T. 0.005 min
Lab File: V17250702A07.D
Acq: 02 Jul 2025 09:33 am

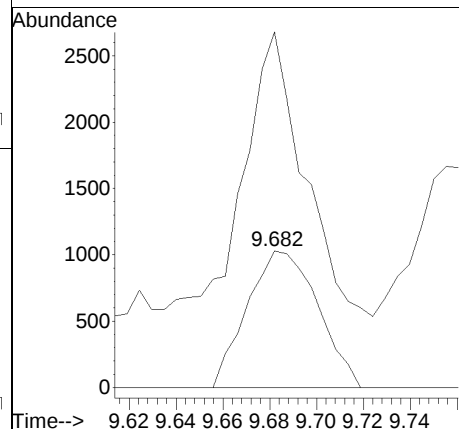
Tgt	Ion	Resp	Lower	Upper
83	100			
55	113.2	65.4	98.0#	

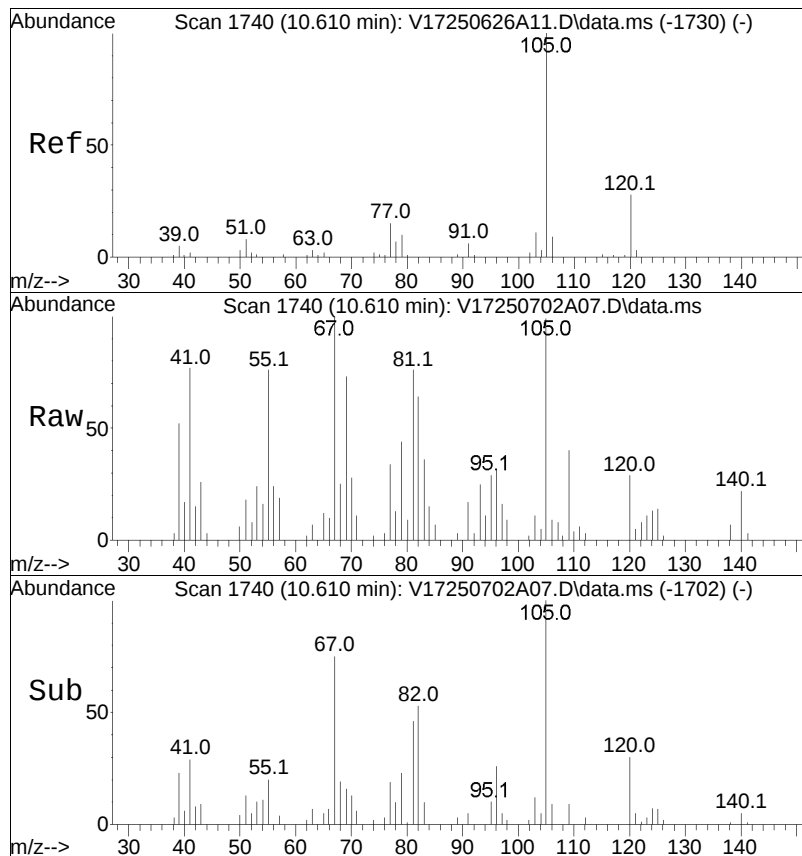




#76
 p/m Xylene
 Concen: 0.67 ug/L
 RT: 9.682 min Scan# 1563
 Delta R.T. 0.005 min
 Lab File: V17250702A07.D
 Acq: 02 Jul 2025 09:33 am

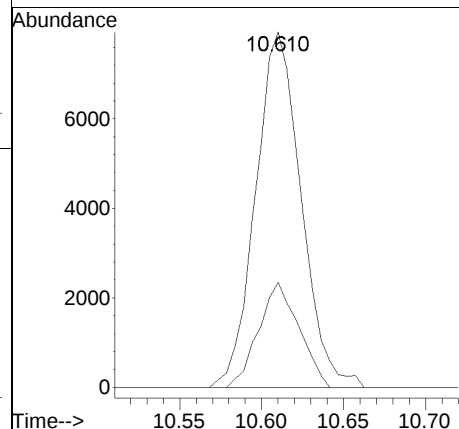
Tgt Ion	Ratio	Lower	Upper
106	100		
91	177.4	161.8	242.8





#82
Isopropylbenzene
Concen: 2.01 ug/L
RT: 10.610 min Scan# 1740
Delta R.T. -0.000 min
Lab File: V17250702A07.D
Acq: 02 Jul 2025 09:33 am

Tgt Ion	105	120	Ratio	Lower	Upper
105	100				
120	26.2		7.7	47.7	



Manual Integration Report

Data Path	: K:\V0A117\2025\250702A\	QMethod	: V117_250626A_8260.m
Data File	: V17250702A07.D	Operator	: V0A117:AJK
Date Inj'd	: 7/2/2025 9:33 am	Instrument	: V0A117
Sample	: L2540375-02,31,6.00,5,,Y	Quant Date	: 7/2/2025 12:09 pm

There are no manual integrations or false positives in this file.

LSC Area Percent Report

Data Path : K:\VOA117\2025\250702A\
 Data File : V17250702A07.D
 Acq On : 02 Jul 2025 09:33 am
 Operator : VOA117:AJK
 Sample : L2540375-02,31,6.00,5,,Y
 Misc : WG2086622,ICAL22428
 ALS Vial : 7 Sample Multiplier: 1

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : K:\VOA117\2025\250702A\V117_250626A_8260.m

Title : VOLATILES BY GC/MS

Signal : TIC: V17250702A07.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.242	133	144	162	rBV	247873	457521	4.63%	0.853%
2	3.243	319	335	361	rBV	336800	888474	8.99%	1.656%
3	3.469	364	378	396	rVB	173069	389935	3.94%	0.727%
4	4.224	512	522	526	rBV2	238768	551137	5.58%	1.027%
5	4.879	636	647	658	rBV4	235299	589300	5.96%	1.098%
6	4.984	658	667	675	rVV2	363454	906215	9.17%	1.689%
7	5.058	675	681	689	rVV	228643	531935	5.38%	0.991%
8	5.278	707	723	729	rBV2	261183	624043	6.31%	1.163%
9	5.383	729	743	757	rVV	2659602	7233148	73.17%	13.480%
10	5.650	784	794	800	rBV3	271924	665116	6.73%	1.240%
11	5.702	800	804	819	rVB4	133214	345905	3.50%	0.645%
12	5.928	842	847	864	rVB2	163722	405543	4.10%	0.756%
13	6.101	864	880	884	rBV5	410796	1156611	11.70%	2.155%
14	6.148	884	889	895	rVV2	631990	1419266	14.36%	2.645%
15	6.211	895	901	911	rVV	427311	1001999	10.14%	1.867%
16	6.311	911	920	931	rVB3	261290	773259	7.82%	1.441%
17	6.410	931	939	955	rBV2	212751	574411	5.81%	1.070%
18	6.636	962	982	998	rBV	2562121	6733938	68.12%	12.549%
19	6.783	998	1010	1021	rBV	3991114	9885208	100.00%	18.422%
20	6.982	1039	1048	1055	rBV3	316586	749148	7.58%	1.396%
21	7.123	1065	1075	1084	rVB3	110687	330082	3.34%	0.615%
22	7.228	1084	1095	1114	rBV	1829421	4481025	45.33%	8.351%
23	7.380	1115	1124	1129	rBV2	162973	382615	3.87%	0.713%
24	7.600	1158	1166	1171	rBV2	206934	448159	4.53%	0.835%
25	7.653	1171	1176	1189	rVB3	257528	625501	6.33%	1.166%
26	7.789	1189	1202	1216	rBV2	794971	2070859	20.95%	3.859%
27	7.899	1216	1223	1233	rVB3	355674	837342	8.47%	1.560%
28	8.099	1248	1261	1267	rBV5	135755	383749	3.88%	0.715%

LSC Area Percent Report

Data Path : K:\VOA117\2025\250702A\
 Data File : V17250702A07.D
 Acq On : 02 Jul 2025 09:33 am
 Operator : VOA117:AJK
 Sample : L2540375-02,31,6.00,5,,Y
 Misc : WG2086622,ICAL22428
 ALS Vial : 7 Sample Multiplier: 1

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : K:\VOA117\2025\250702A\V117_250626A_8260.m
 Title : VOLATILES BY GC/MS

29	8.240	1280	1288	1295	rBV3	139632	388422	3.93%	0.724%
30	8.471	1318	1332	1340	rBV4	199881	712541	7.21%	1.328%
31	8.560	1340	1349	1355	rBV6	108203	318681	3.22%	0.594%
32	8.754	1377	1386	1408	rVB7	293113	1091571	11.04%	2.034%
33	8.922	1409	1418	1422	rBV3	155588	387918	3.92%	0.723%
34	9.105	1445	1453	1467	rBV3	206542	659332	6.67%	1.229%
35	9.242	1468	1479	1487	rVV3	228408	646107	6.54%	1.204%
36	9.436	1505	1516	1528	rBV3	139873	499386	5.05%	0.931%
37	9.813	1581	1588	1603	rVV6	134981	453993	4.59%	0.846%
38	10.101	1630	1643	1654	rBV6	149546	504933	5.11%	0.941%
39	10.668	1744	1751	1770	rVB	279326	644355	6.52%	1.201%
40	10.935	1790	1802	1811	rVB4	145157	387444	3.92%	0.722%
41	11.837	1963	1974	1982	rBV4	169654	445854	4.51%	0.831%
42	12.152	2028	2034	2040	rBV	205657	315291	3.19%	0.588%
43	12.314	2060	2065	2072	rVB	258251	377543	3.82%	0.704%
44	12.886	2168	2174	2181	rVB3	234600	384233	3.89%	0.716%

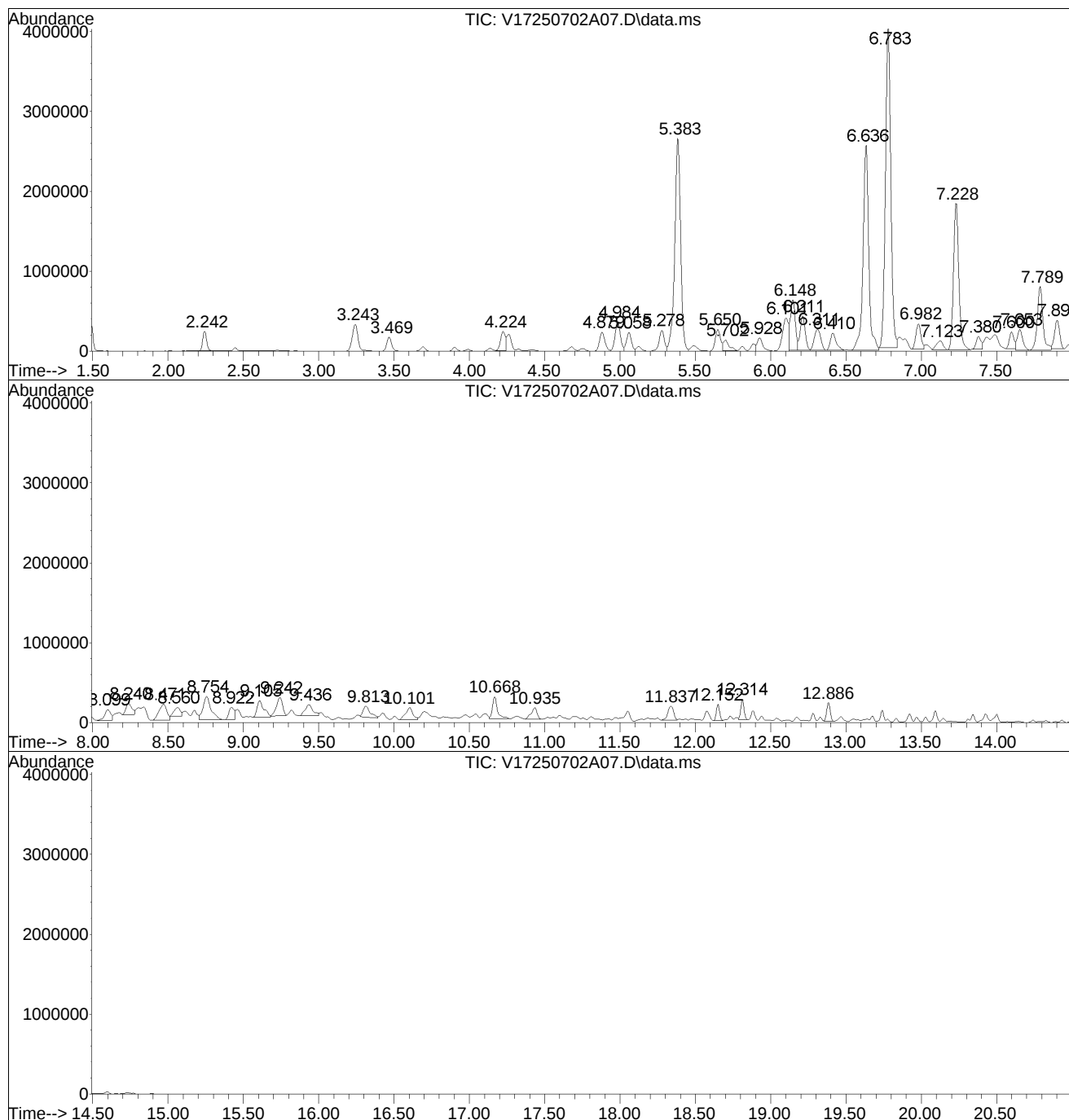
Sum of corrected areas: 53659048

LSC Report - Integrated Chromatogram

Data Path : K:\VOA117\2025\250702A\
 Data File : V17250702A07.D
 Acq On : 02 Jul 2025 09:33 am
 Operator : VOA117:AJK
 Sample : L2540375-02,31,6.00,5,,Y
 Misc : WG2086622,ICAL22428
 ALS Vial : 7 Sample Multiplier: 1

Quant Method : K:\VOA117\2025\250702A\V117_250626A_8260.m
 Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
 TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : K:\VOA117\2025\250702A\
Data File : V17250702A07.D
Acq On : 02 Jul 2025 09:33 am
Operator : VOA117:AJK
Sample : L2540375-02,31,6.00,5,,Y
Misc : WG2086622,ICAL22428
ALS Vial : 7 Sample Multiplier: 1

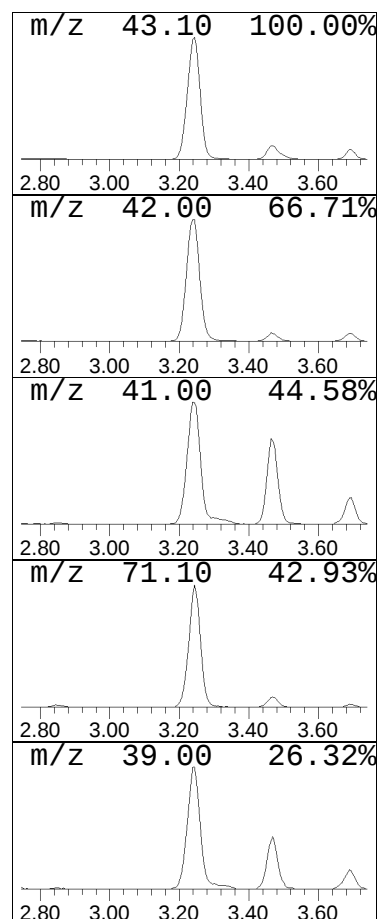
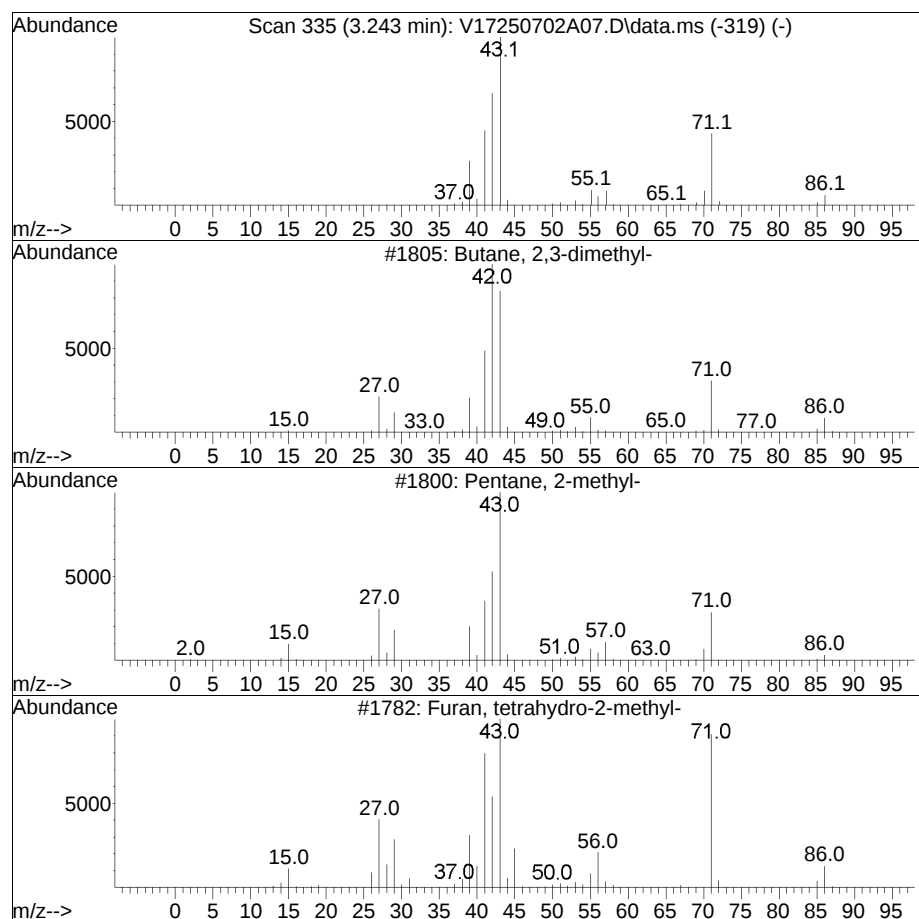
Quant Method : K:\VOA117\2025\250702A\V117_250626A_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

Peak Number 1 Unknown Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.243	43.82 ug/L	888474		5.923

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	80
2		Pentane, 2-methyl-	86	C6H14	000107-83-5	80
3		Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	50
4		Pentane	72	C5H12	000109-66-0	38
5		Pentane, 2-nitro-	117	C5H11NO2	004609-89-6	37



Library Search Compound Report

Data Path : K:\VOA117\2025\250702A\
Data File : V17250702A07.D
Acq On : 02 Jul 2025 09:33 am
Operator : VOA117:AJK
Sample : L2540375-02,31,6.00,5,,Y
Misc : WG2086622,ICAL22428
ALS Vial : 7 Sample Multiplier: 1

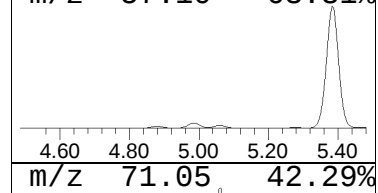
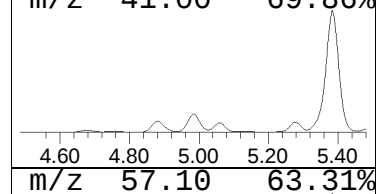
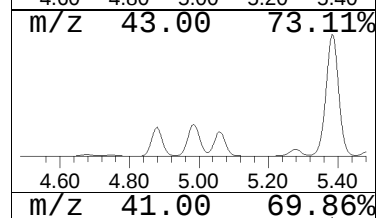
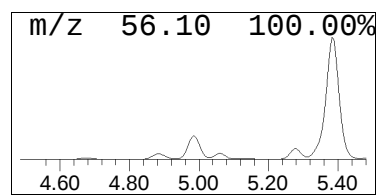
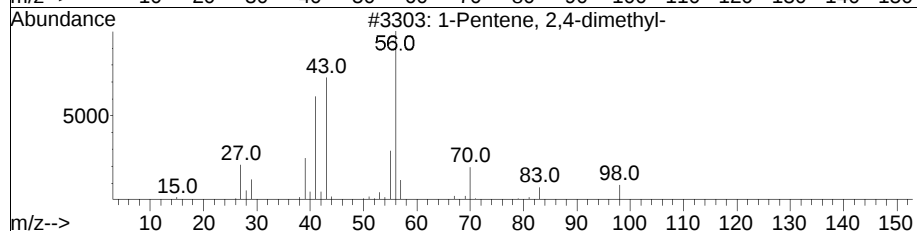
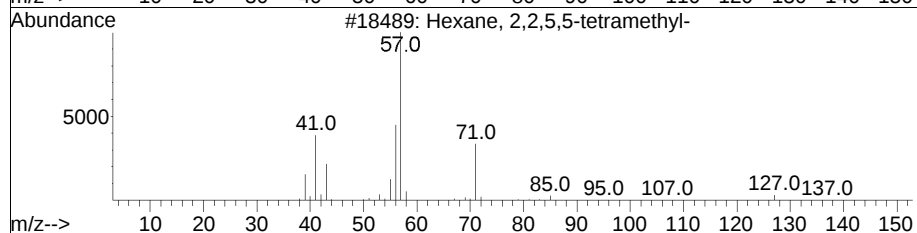
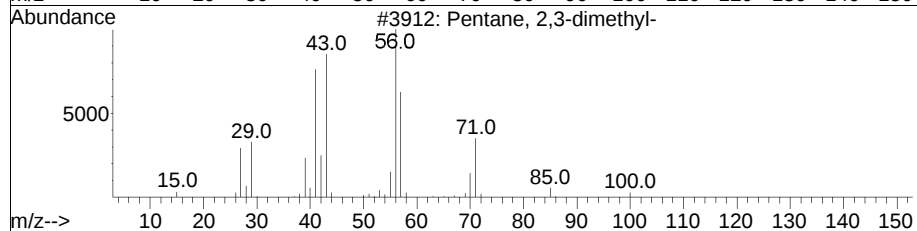
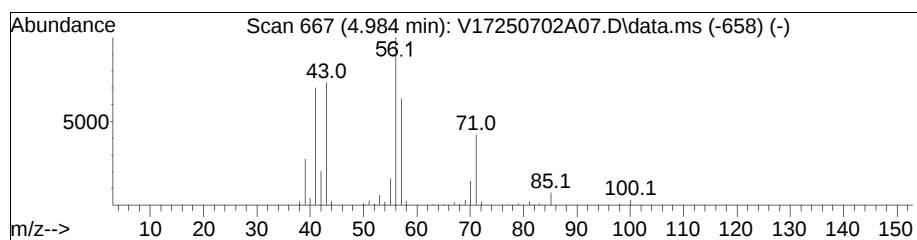
Quant Method : K:\VOA117\2025\250702A\V117_250626A_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

Peak Number 2 Pentane, 2,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.984	44.69 ug/L	906215		5.923

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	95
2		Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	64
3		1-Pentene, 2,4-dimethyl-	98	C7H14	002213-32-3	50
4		Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	40
5		Aziridine, 2-methyl-	57	C3H7N	000075-55-8	38



Library Search Compound Report

Data Path : K:\VOA117\2025\250702A\
Data File : V17250702A07.D
Acq On : 02 Jul 2025 09:33 am
Operator : VOA117:AJK
Sample : L2540375-02,31,6.00,5,,Y
Misc : WG2086622,ICAL22428
ALS Vial : 7 Sample Multiplier: 1

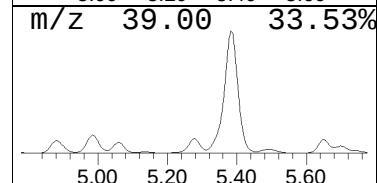
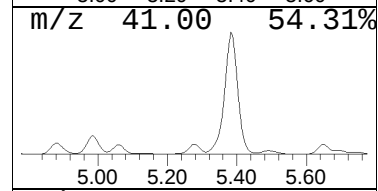
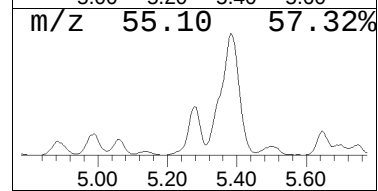
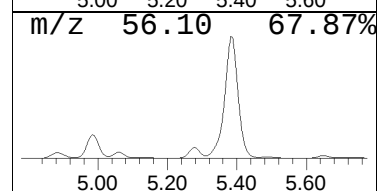
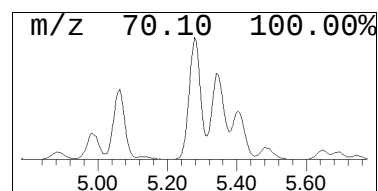
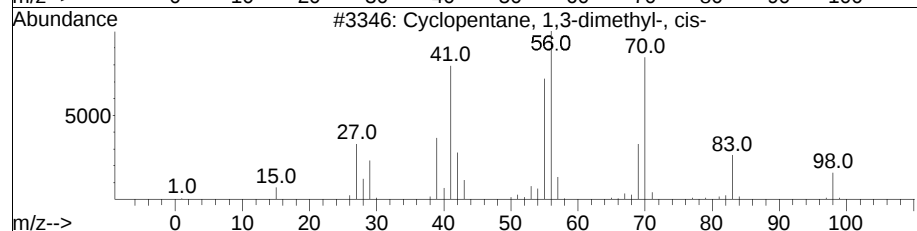
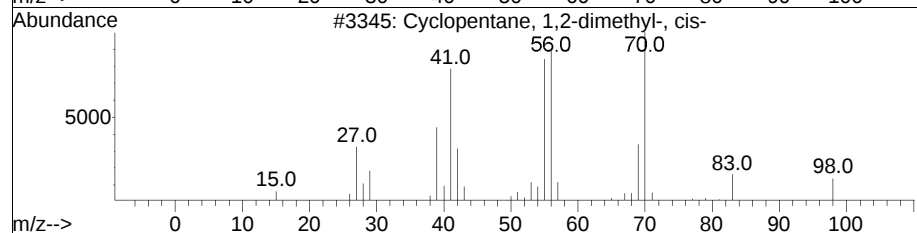
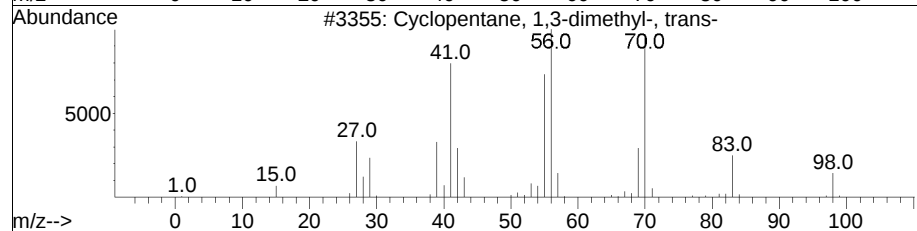
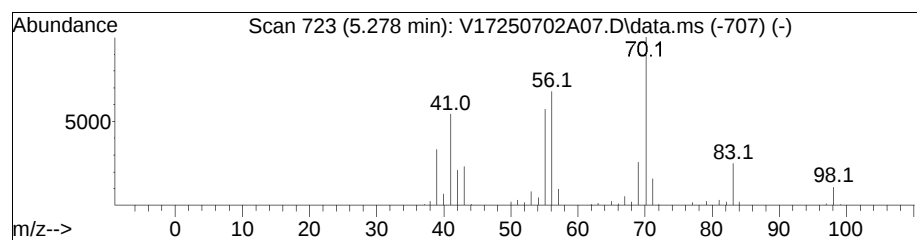
Quant Method : K:\VOA117\2025\250702A\V117_250626A_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

Peak Number 3 Unknown Cycloalkane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.278	30.78 ug/L	624043		5.923

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	93
2		Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	93
3		Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	76
4		Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	70
5		Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	58



Library Search Compound Report

Data Path : K:\VOA117\2025\250702A\
Data File : V17250702A07.D
Acq On : 02 Jul 2025 09:33 am
Operator : VOA117:AJK
Sample : L2540375-02,31,6.00,5,,Y
Misc : WG2086622,ICAL22428
ALS Vial : 7 Sample Multiplier: 1

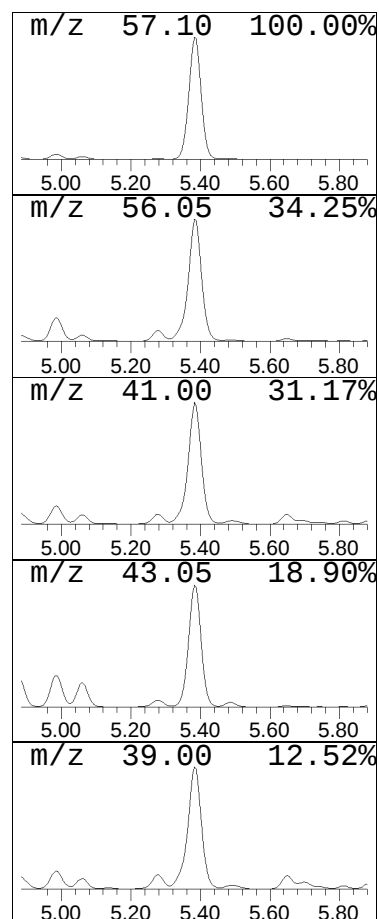
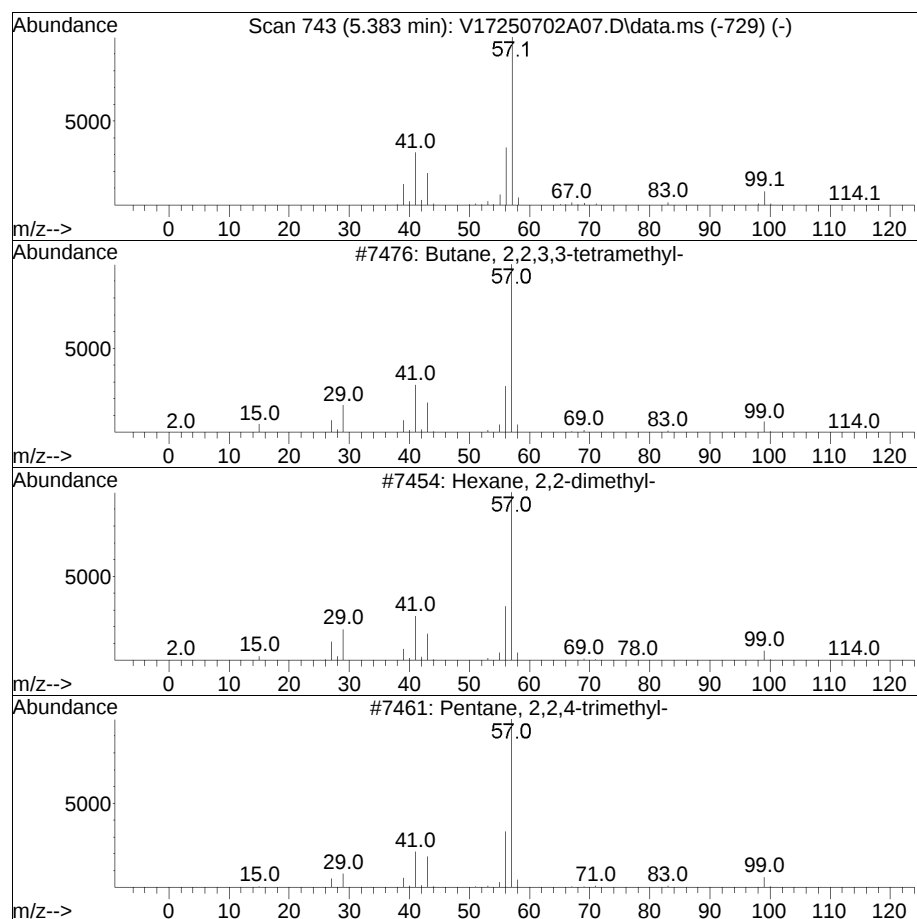
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Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

Peak Number 4 Unknown Alkane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.383	356.71 ug/L	7233150		5.923

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Butane, 2,2,3,3-tetramethyl-	114	C8H18	000594-82-1	72
2		Hexane, 2,2-dimethyl-	114	C8H18	000590-73-8	72
3		Pentane, 2,2,4-trimethyl-	114	C8H18	000540-84-1	72
4		Hexane, 2,2,4-trimethyl-	128	C9H20	016747-26-5	59
5		Pentane, 2,2,4,4-tetramethyl-	128	C9H20	001070-87-7	53



Library Search Compound Report

Data Path : K:\VOA117\2025\250702A\
Data File : V17250702A07.D
Acq On : 02 Jul 2025 09:33 am
Operator : VOA117:AJK
Sample : L2540375-02,31,6.00,5,,Y
Misc : WG2086622,ICAL22428
ALS Vial : 7 Sample Multiplier: 1

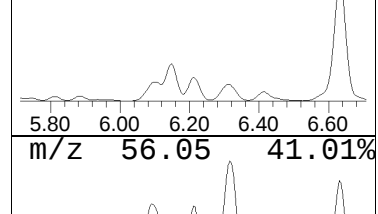
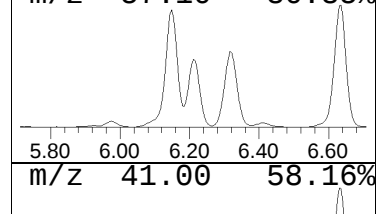
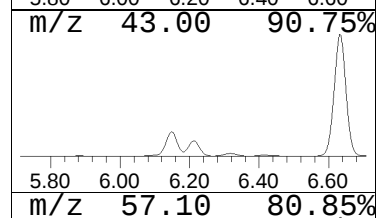
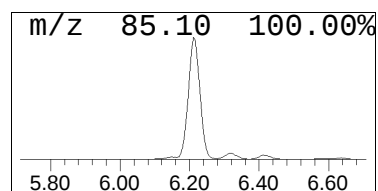
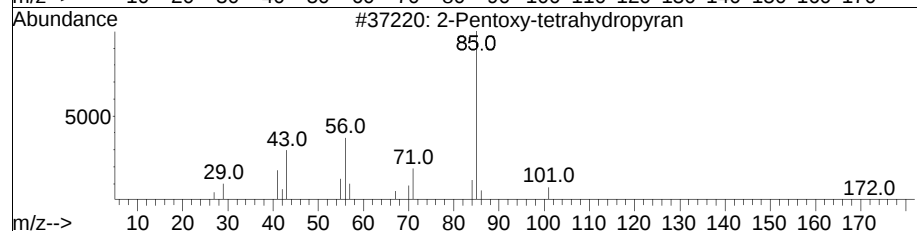
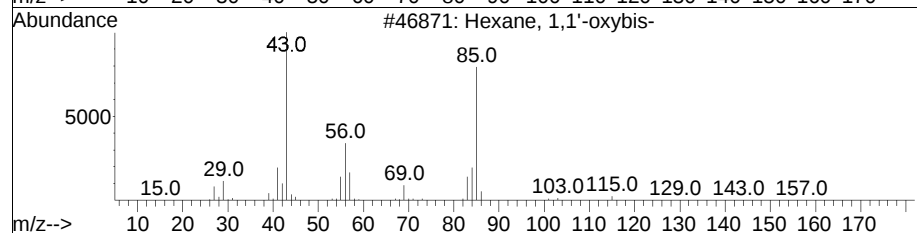
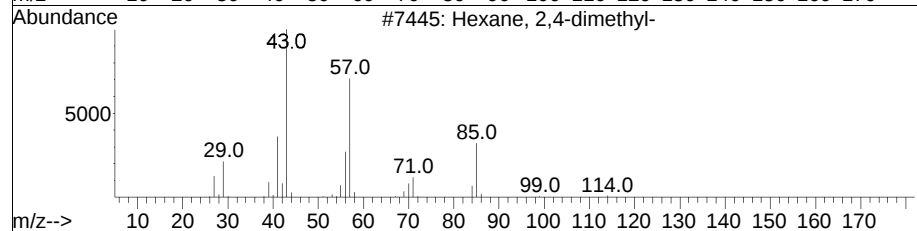
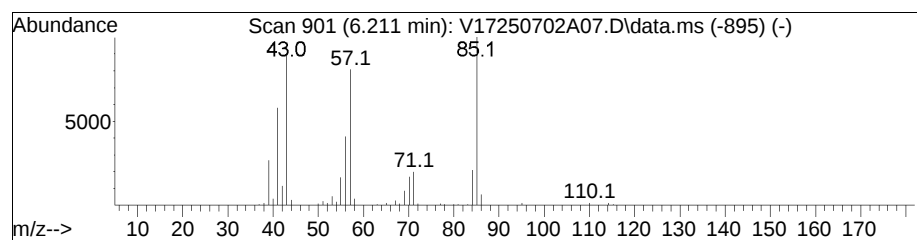
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Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

Peak Number 5 Unknown Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.211	49.42 ug/L	1002000		5.923

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,4-dimethyl-	114	C8H18	000589-43-5	83	
2	Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	64	
3	2-Pentoxo-tetrahydropyran	172	C10H20O2	032767-70-7	64	
4	Heptane, 4,4-dimethyl-	128	C9H20	001068-19-5	53	
5	Furan, tetrahydro-2,4-dimethyl-,...	100	C6H12O	039168-01-9	50	



Library Search Compound Report

Data Path : K:\VOA117\2025\250702A\
Data File : V17250702A07.D
Acq On : 02 Jul 2025 09:33 am
Operator : VOA117:AJK
Sample : L2540375-02,31,6.00,5,,Y
Misc : WG2086622,ICAL22428
ALS Vial : 7 Sample Multiplier: 1

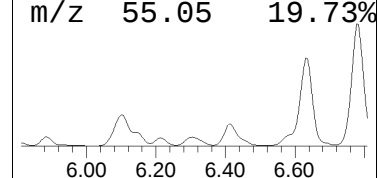
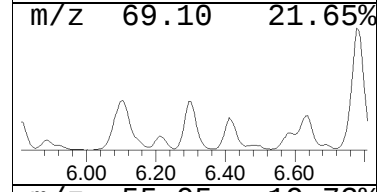
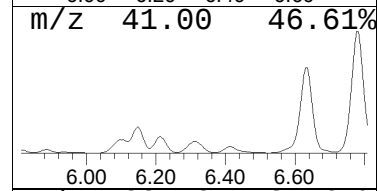
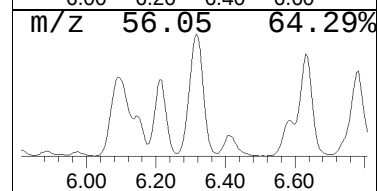
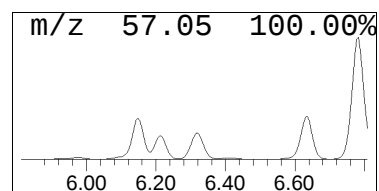
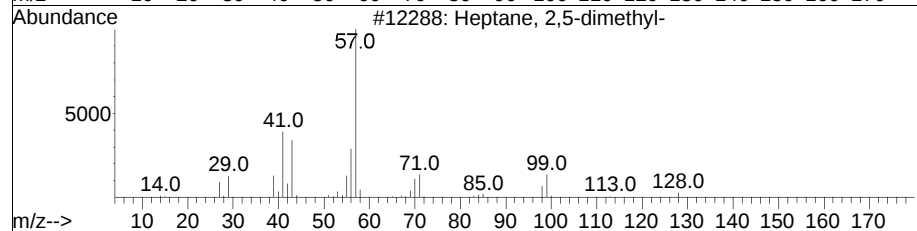
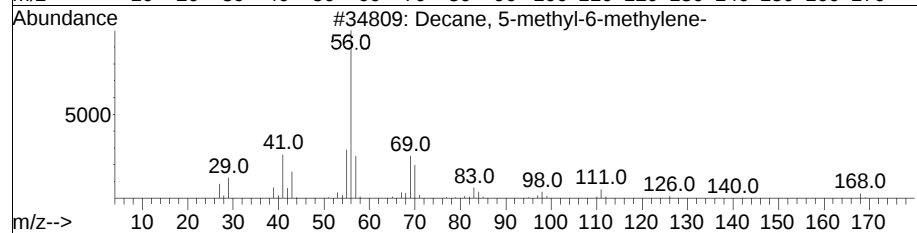
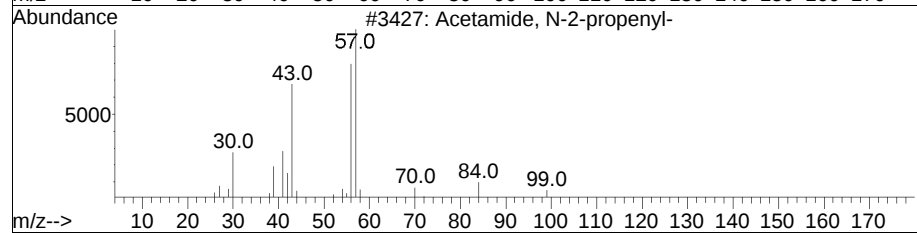
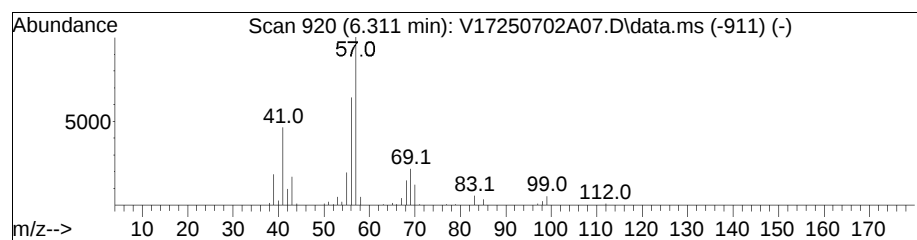
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Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

Peak Number 6 Unknown Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.311	38.13 ug/L	773259		5.923

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Acetamide, N-2-propenyl-	99	C5H9NO	000692-33-1	59
2		Decane, 5-methyl-6-methylene-	168	C12H24	075029-95-7	53
3		Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	50
4		1-Pentene, 2,4-dimethyl-	98	C7H14	002213-32-3	49
5		1-Hexene, 2-methyl-	98	C7H14	006094-02-6	49



Library Search Compound Report

Data Path : K:\VOA117\2025\250702A\
Data File : V17250702A07.D
Acq On : 02 Jul 2025 09:33 am
Operator : VOA117:AJK
Sample : L2540375-02,31,6.00,5,,Y
Misc : WG2086622,ICAL22428
ALS Vial : 7 Sample Multiplier: 1

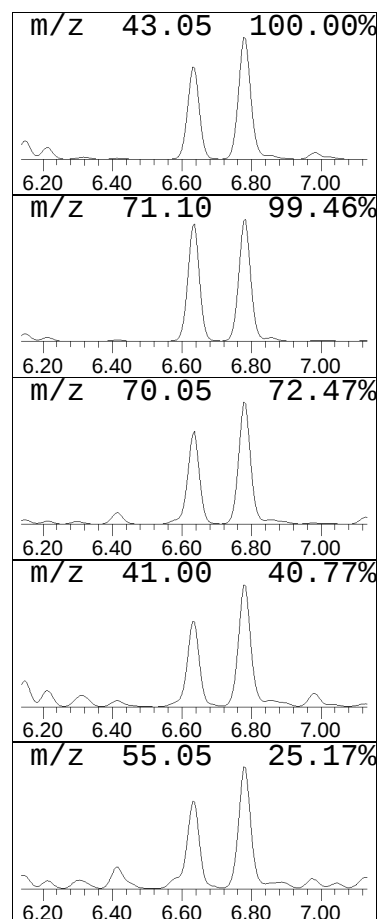
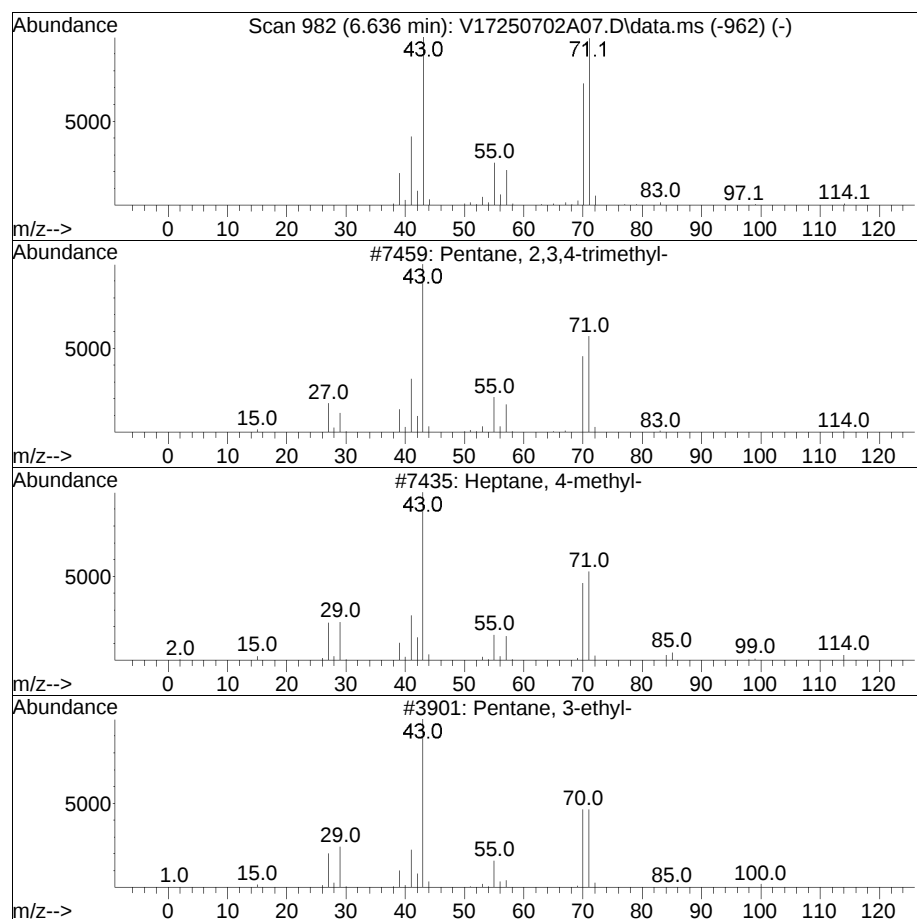
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Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

Peak Number 7 Unknown Alkane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.636	332.10 ug/L	6733940		5.923

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	91
2		Heptane, 4-methyl-	114	C8H18	000589-53-7	91
3		Pentane, 3-ethyl-	100	C7H16	000617-78-7	83
4		2,4,4-Trimethyl-1-hexene	126	C9H18	051174-12-0	78
5		Hexane, 3-methyl-	100	C7H16	000589-34-4	78



Library Search Compound Report

Data Path : K:\VOA117\2025\250702A\
Data File : V17250702A07.D
Acq On : 02 Jul 2025 09:33 am
Operator : VOA117:AJK
Sample : L2540375-02,31,6.00,5,,Y
Misc : WG2086622,ICAL22428
ALS Vial : 7 Sample Multiplier: 1

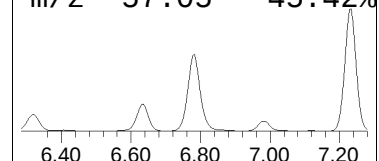
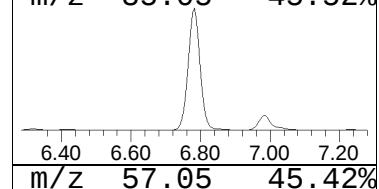
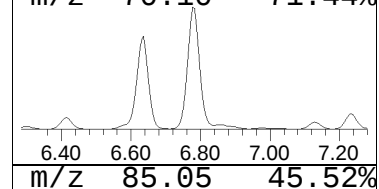
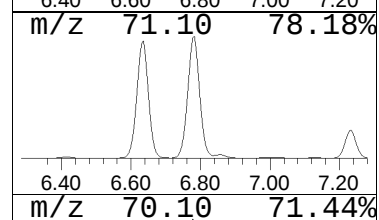
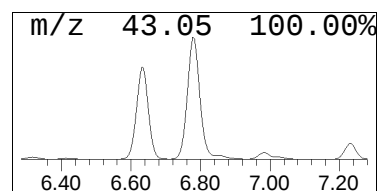
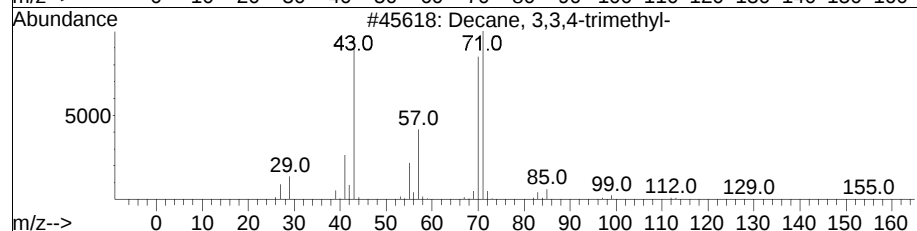
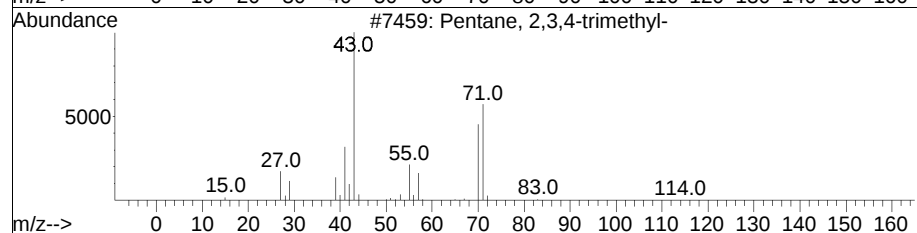
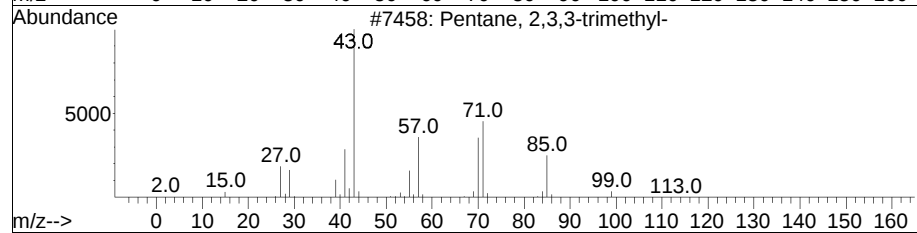
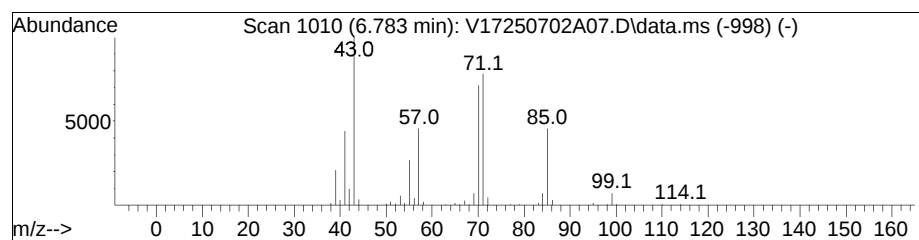
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Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

Peak Number 8 Pentane, 2,3,3-trimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.783	487.51 ug/L	9885210		5.923

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Pentane, 2,3,3-trimethyl-	114	C8H18	000560-21-4	90
2		Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	68
3		Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	64
4		Heptane, 4-methyl-	114	C8H18	000589-53-7	59
5		Pentane, 3-ethyl-	100	C7H16	000617-78-7	58



Library Search Compound Report

Data Path : K:\VOA117\2025\250702A\
Data File : V17250702A07.D
Acq On : 02 Jul 2025 09:33 am
Operator : VOA117:AJK
Sample : L2540375-02,31,6.00,5,,Y
Misc : WG2086622,ICAL22428
ALS Vial : 7 Sample Multiplier: 1

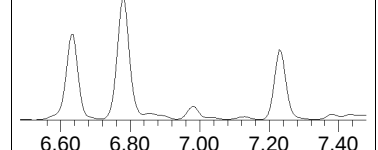
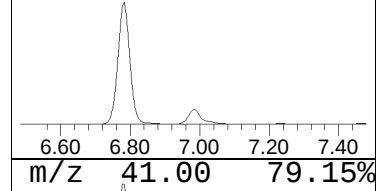
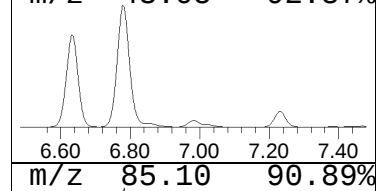
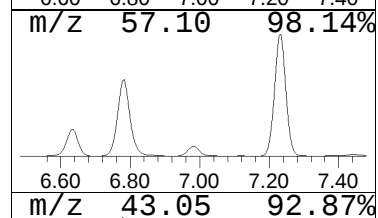
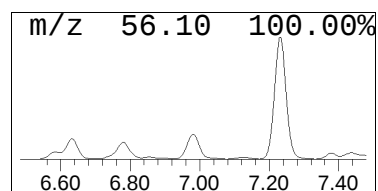
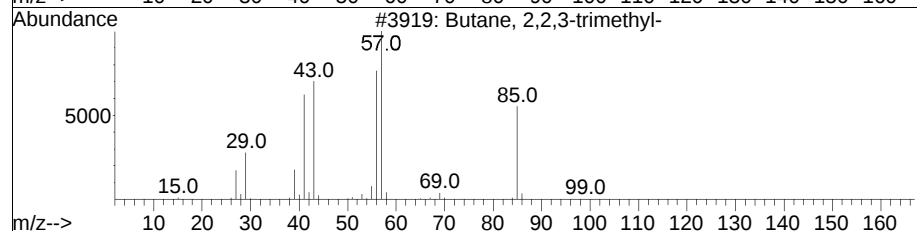
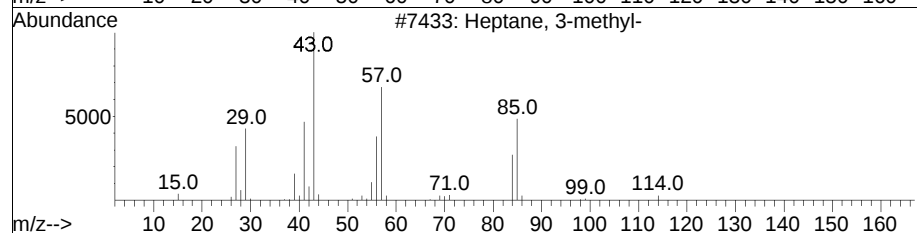
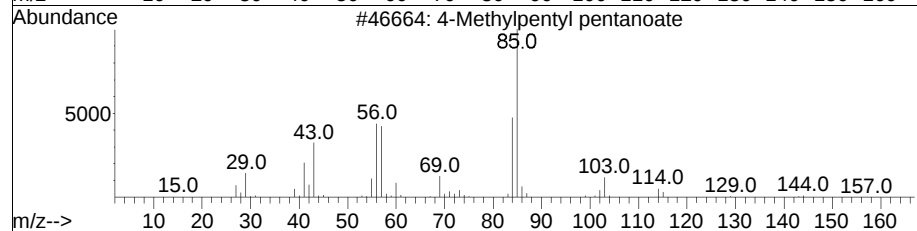
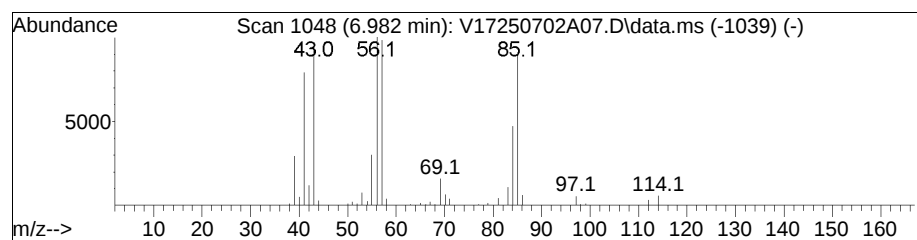
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Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

Peak Number 9 Unknown Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.982	36.95 ug/L	749148		5.923

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		4-Methylpentyl pentanoate	186	C11H22O2	035852-47-2	72
2		Heptane, 3-methyl-	114	C8H18	000589-81-1	64
3		Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	59
4		Pentanoic acid, butyl ester	158	C9H18O2	000591-68-4	53
5		Hexane, 1,1'-oxybis-	186	C12H26O	000112-58-3	53



Library Search Compound Report

Data Path : K:\VOA117\2025\250702A\
Data File : V17250702A07.D
Acq On : 02 Jul 2025 09:33 am
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Sample : L2540375-02,31,6.00,5,,Y
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ALS Vial : 7 Sample Multiplier: 1

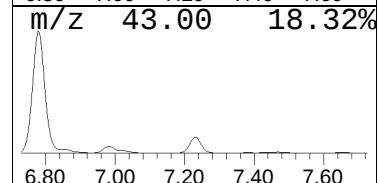
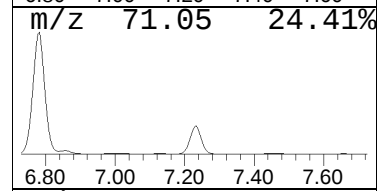
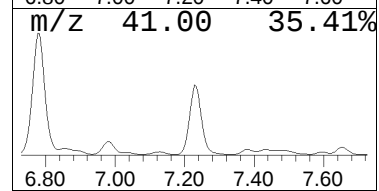
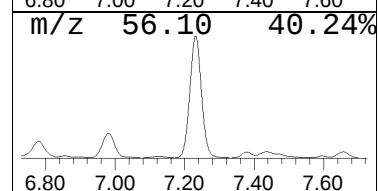
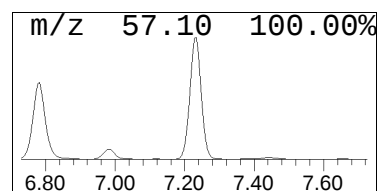
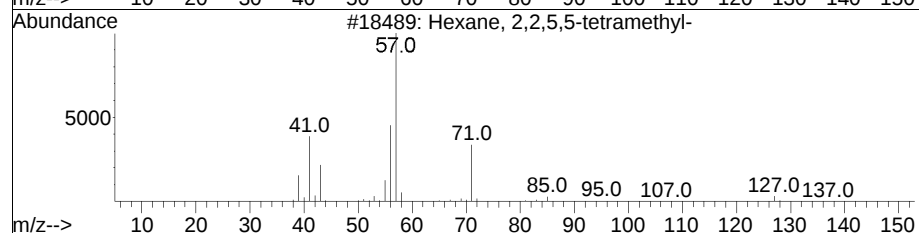
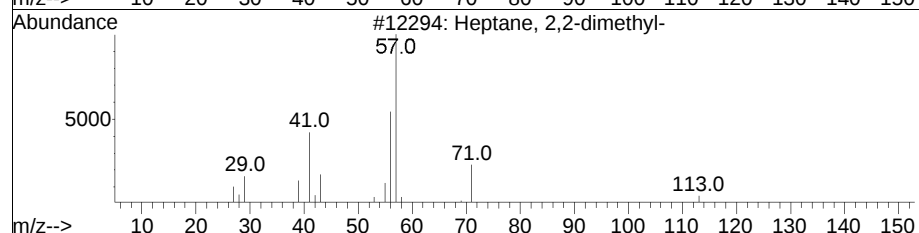
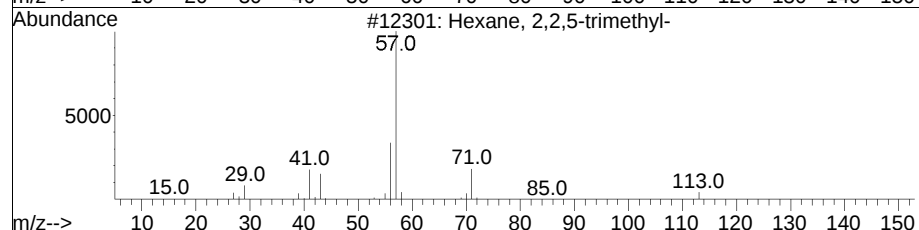
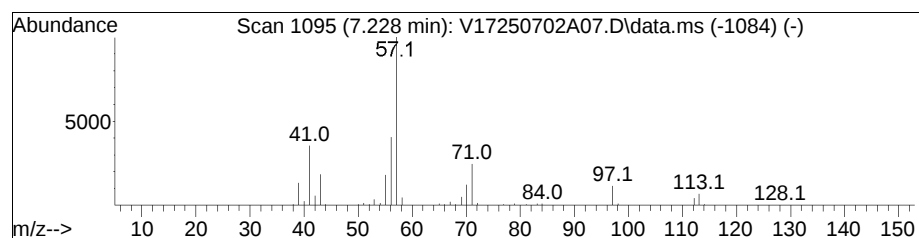
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Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

Peak Number 10 Unknown Alkane Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.228	220.99 ug/L	4481030		5.923

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,2,5-trimethyl-	128	C9H20	003522-94-9	59	
2	Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	59	
3	Hexane, 2,2,5,5-tetramethyl-	142	C10H22	001071-81-4	53	
4	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	53	
5	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	50	



Library Search Compound Report

Data Path : K:\VOA117\2025\250702A\
Data File : V17250702A07.D
Acq On : 02 Jul 2025 09:33 am
Operator : VOA117:AJK
Sample : L2540375-02,31,6.00,5,,Y
Misc : WG2086622,ICAL22428
ALS Vial : 7 Sample Multiplier: 1

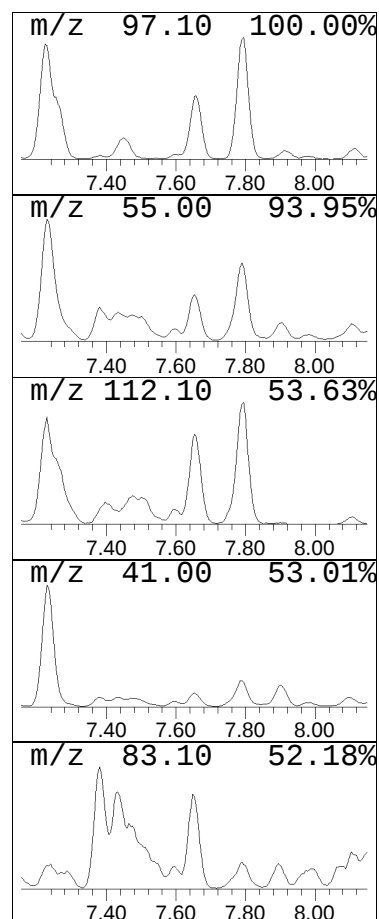
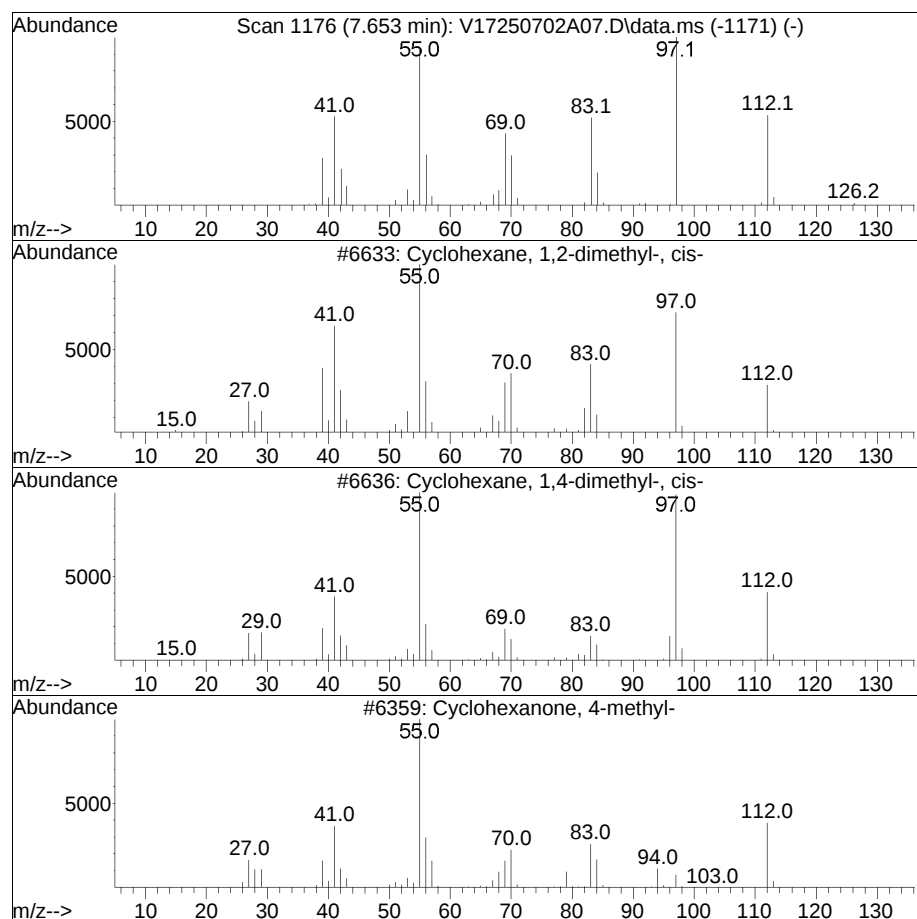
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TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

Peak Number 11 Unknown Cyclohexane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.653	30.85 ug/L	625501		5.923

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclohexane, 1,2-dimethyl-, cis-	112	C8H16	002207-01-4	86
2		Cyclohexane, 1,4-dimethyl-, cis-	112	C8H16	000624-29-3	64
3		Cyclohexanone, 4-methyl-	112	C7H12O	000589-92-4	49
4		3-Heptene, 4-ethyl-	126	C9H18	033933-74-3	38
5		Cyclopentane, 1-ethyl-2-methyl-	112	C8H16	003726-46-3	38



Library Search Compound Report

Data Path : K:\VOA117\2025\250702A\
Data File : V17250702A07.D
Acq On : 02 Jul 2025 09:33 am
Operator : VOA117:AJK
Sample : L2540375-02,31,6.00,5,,Y
Misc : WG2086622,ICAL22428
ALS Vial : 7 Sample Multiplier: 1

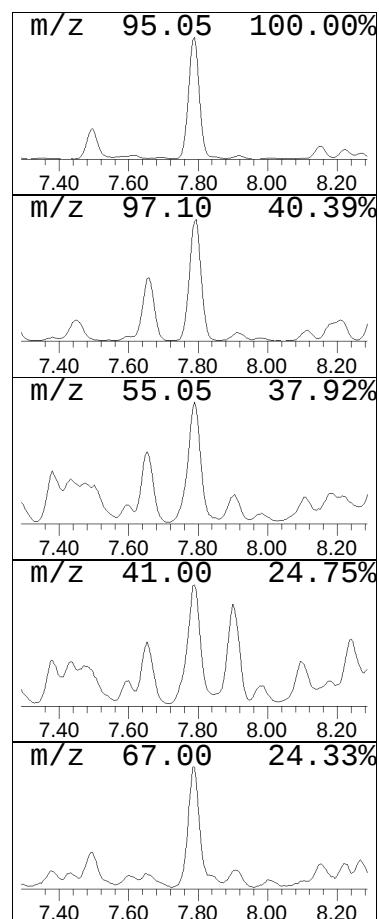
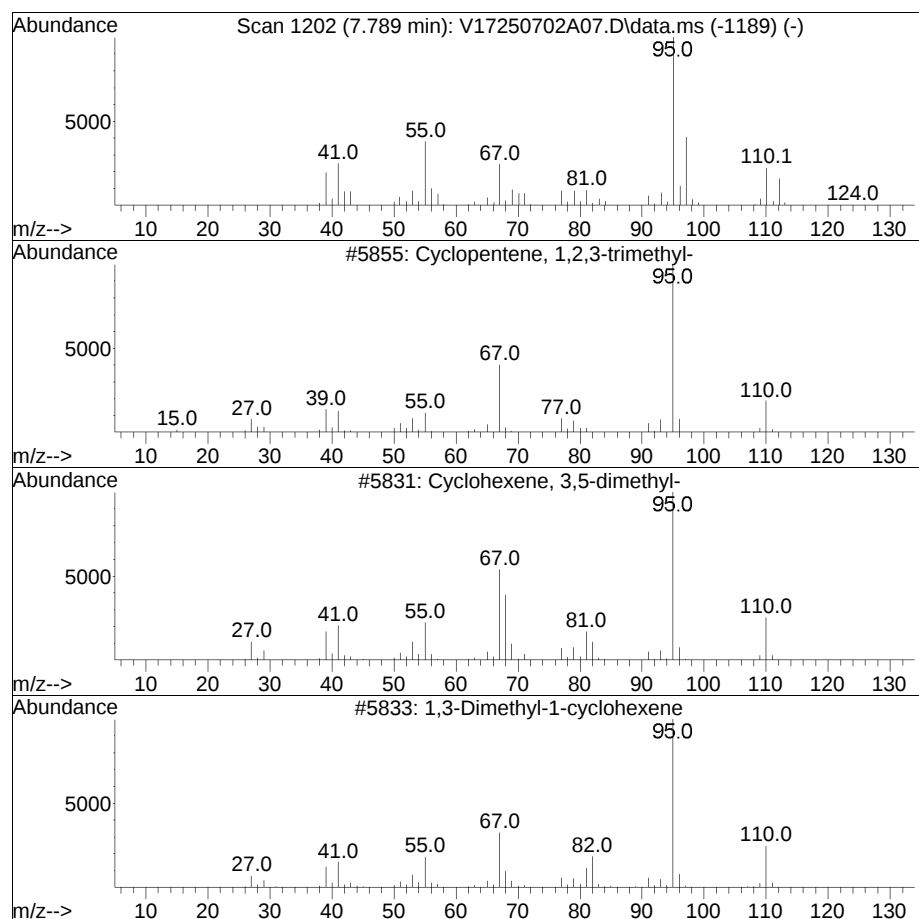
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Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

Peak Number 12 Unknown Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.789	82.94 ug/L	2070860		9.430

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopentene, 1,2,3-trimethyl-	110	C8H14	000473-91-6	55
2		Cyclohexene, 3,5-dimethyl-	110	C8H14	000823-17-6	53
3		1,3-Dimethyl-1-cyclohexene	110	C8H14	002808-76-6	52
4		1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	50
5		Ethanone, 1-(2-furanyl)-	110	C6H6O2	001192-62-7	43



Library Search Compound Report

Data Path : K:\VOA117\2025\250702A\
Data File : V17250702A07.D
Acq On : 02 Jul 2025 09:33 am
Operator : VOA117:AJK
Sample : L2540375-02,31,6.00,5,,Y
Misc : WG2086622,ICAL22428
ALS Vial : 7 Sample Multiplier: 1

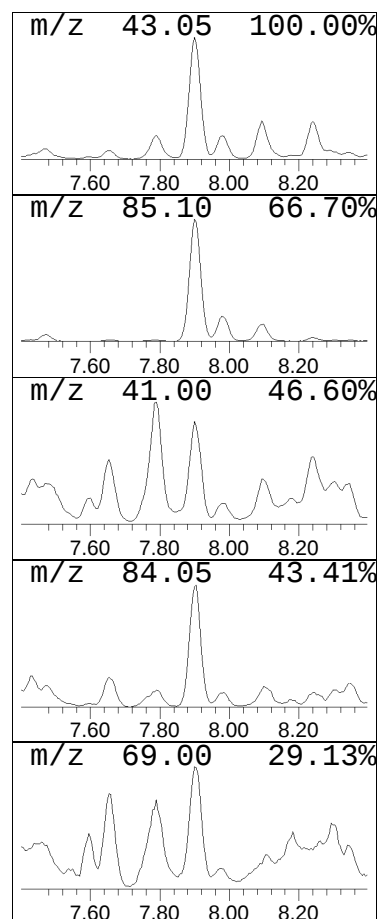
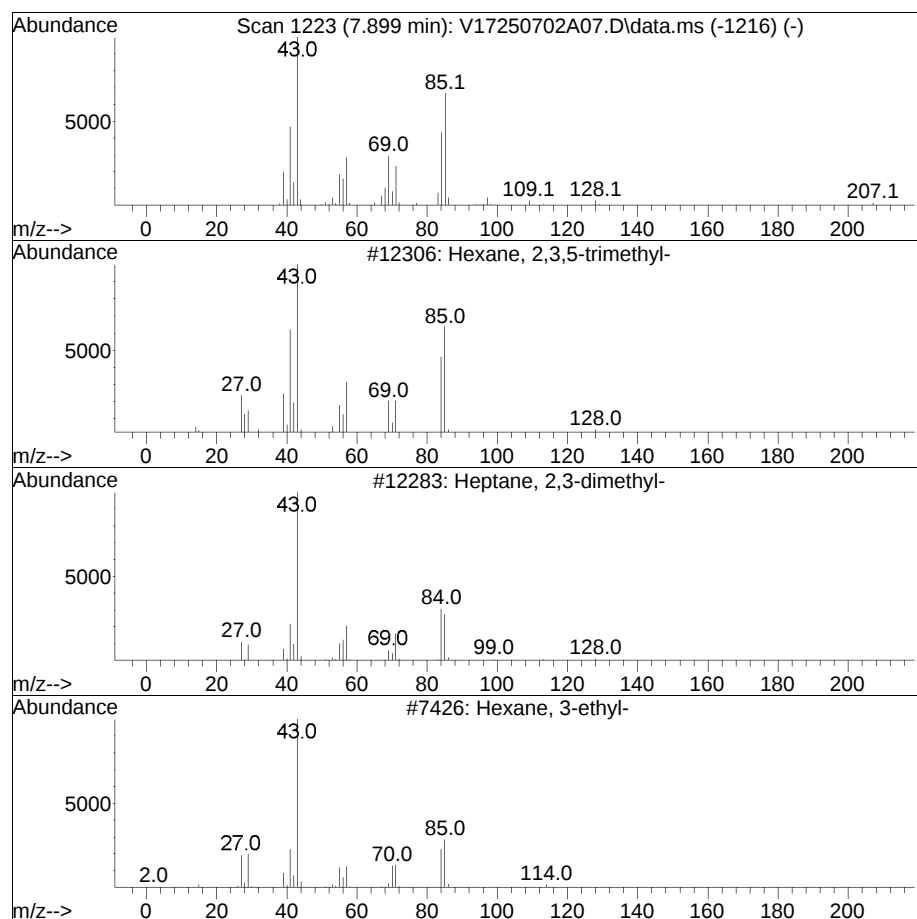
Quant Method : K:\VOA117\2025\250702A\V117_250626A_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

Peak Number 13 Unknown Alkane Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.899	33.53 ug/L	837342		9.430

Hit# of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexane, 2,3,5-trimethyl-	128	C9H20	001069-53-0	81	
2	Heptane, 2,3-dimethyl-	128	C9H20	003074-71-3	78	
3	Hexane, 3-ethyl-	114	C8H18	000619-99-8	59	
4	Nonane, 5-methyl-	142	C10H22	015869-85-9	59	
5	Pentane, 3-ethyl-2,4-dimethyl-	128	C9H20	001068-87-7	59	



Library Search Compound Report

Data Path : K:\VOA117\2025\250702A\
Data File : V17250702A07.D
Acq On : 02 Jul 2025 09:33 am
Operator : VOA117:AJK
Sample : L2540375-02,31,6.00,5,,Y
Misc : WG2086622,ICAL22428
ALS Vial : 7 Sample Multiplier: 1

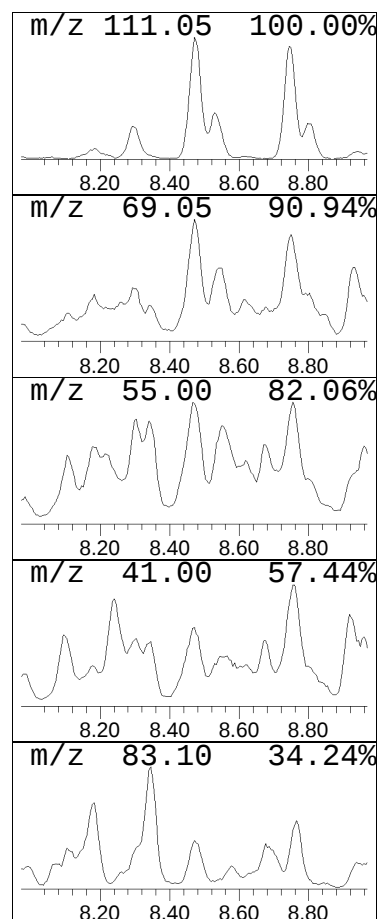
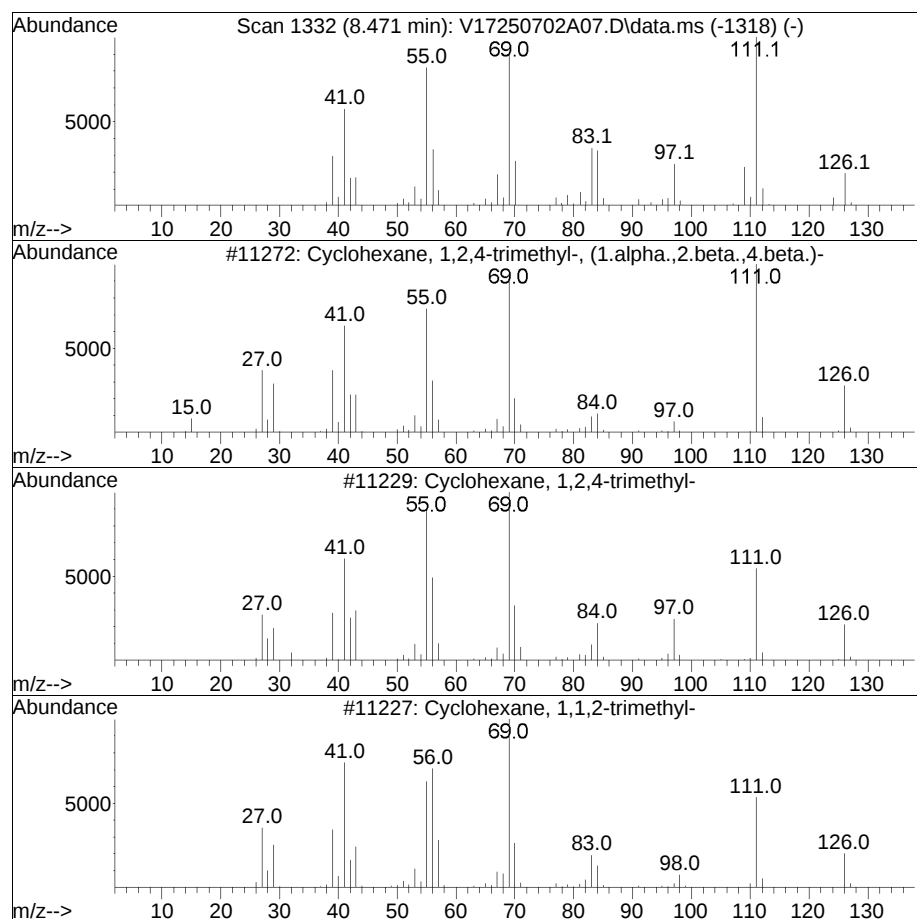
Quant Method : K:\VOA117\2025\250702A\V117_250626A_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

Peak Number 14 Unknown Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.471	28.54 ug/L	712541		9.430

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclohexane, 1,2,4-trimethyl-, (...	126	C9H18	007667-60-9	74
2			Cyclohexane, 1,2,4-trimethyl-	126	C9H18	002234-75-5	60
3			Cyclohexane, 1,1,2-trimethyl-	126	C9H18	007094-26-0	49
4			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	46
5			2-Methyl-2-octene	126	C9H18	016993-86-5	38



Library Search Compound Report

Data Path : K:\VOA117\2025\250702A\
Data File : V17250702A07.D
Acq On : 02 Jul 2025 09:33 am
Operator : VOA117:AJK
Sample : L2540375-02,31,6.00,5,,Y
Misc : WG2086622,ICAL22428
ALS Vial : 7 Sample Multiplier: 1

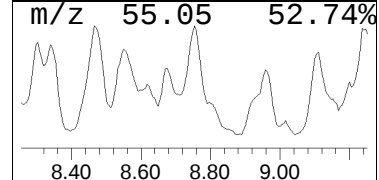
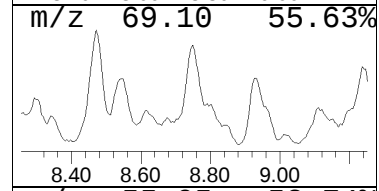
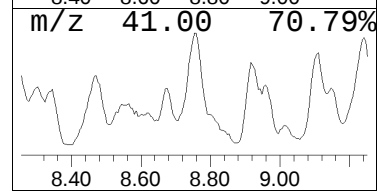
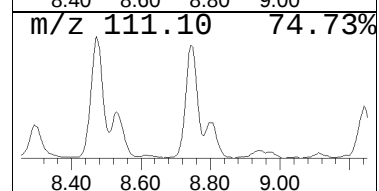
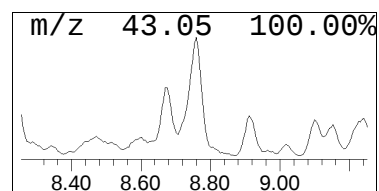
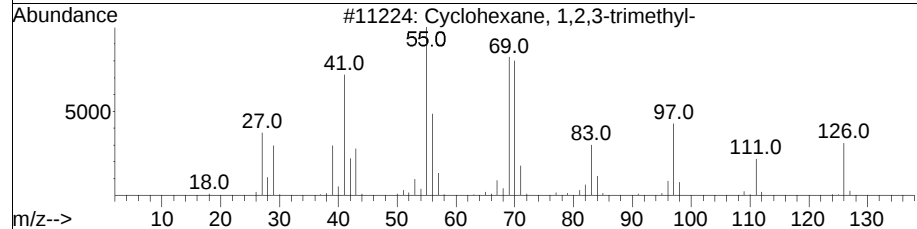
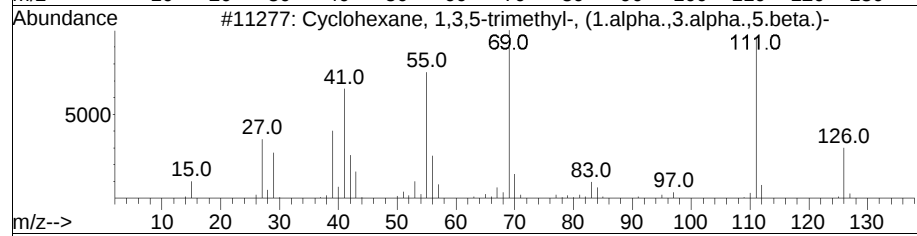
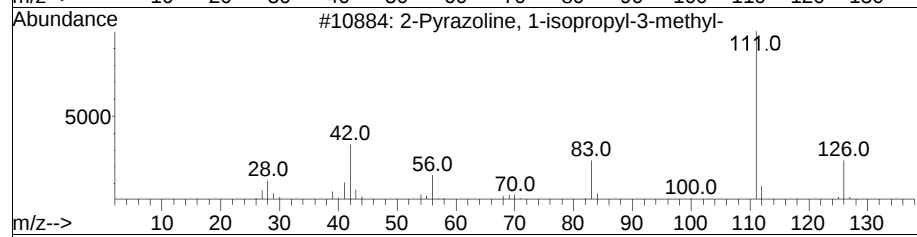
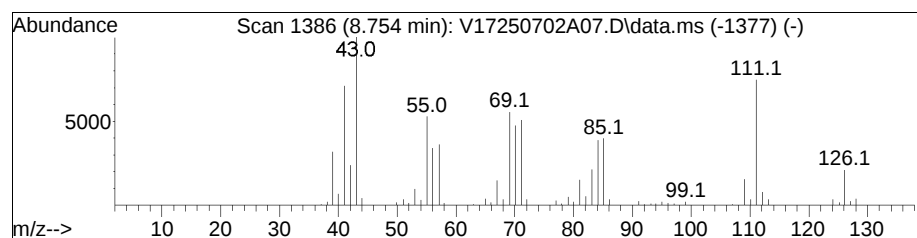
Quant Method : K:\VOA117\2025\250702A\V117_250626A_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

Peak Number 15 Unknown Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.754	43.72 ug/L	1091570		9.430

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pyrazoline, 1-isopropyl-3-methyl-	126	C7H14N2	022581-48-2	38
2			Cyclohexane, 1,3,5-trimethyl-, (...	126	C9H18	001795-26-2	38
3			Cyclohexane, 1,2,3-trimethyl-	126	C9H18	001678-97-3	30
4			Octane, 4-methyl-	128	C9H20	002216-34-4	30
5			Cyclohexane, 1,2,3-trimethyl-, (...	126	C9H18	001839-88-9	30



Tentatively Identified Compound (LSC) summary

Data Path : K:\VOA117\2025\250702A\
 Data File : V17250702A07.D
 Acq On : 02 Jul 2025 09:33 am
 Operator : VOA117:AJK
 Sample : L2540375-02,31,6.00,5,,Y
 Misc : WG2086622,ICAL22428
 ALS Vial : 7 Sample Multiplier: 1

Quant Method : K:\VOA117\2025\250702A\V117_250626A_8260.m
 Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
 TIC Integration Parameters: rteint.p

TIC Top Hit name	RT	EstConc	Units	Response	--Internal #	RT	Standard--- Resp	Conc
Unknown	3.243	43.8	ug/L	888474	1	5.923	405543	20.0
Pentane, 2,3-di...	4.984	44.7	ug/L	906215	1	5.923	405543	20.0
Unknown Cycloal...	5.278	30.8	ug/L	624043	1	5.923	405543	20.0
Unknown Alkane	5.383	356.7	ug/L	7233150	1	5.923	405543	20.0
Unknown	6.211	49.4	ug/L	1002000	1	5.923	405543	20.0
Unknown	6.311	38.1	ug/L	773259	1	5.923	405543	20.0
Unknown Alkane	6.636	332.1	ug/L	6733940	1	5.923	405543	20.0
Pentane, 2,3,3-...	6.783	487.5	ug/L	9885210	1	5.923	405543	20.0
Unknown	6.982	36.9	ug/L	749148	1	5.923	405543	20.0
Unknown Alkane	7.228	221.0	ug/L	4481030	1	5.923	405543	20.0
Unknown Cyclohe...	7.653	30.8	ug/L	625501	1	5.923	405543	20.0
Unknown	7.789	82.9	ug/L	2070860	2	9.430	499386	20.0
Unknown Alkane	7.899	33.5	ug/L	837342	2	9.430	499386	20.0
Unknown	8.471	28.5	ug/L	712541	2	9.430	499386	20.0
Unknown	8.754	43.7	ug/L	1091570	2	9.430	499386	20.0

Quantitation Report (QT Reviewed)

Data Path : K:\VOA116\2025\250628\
 Data File : V16250628A06.D
 Acq On : 28 Jun 2025 08:00 am
 Operator : VOA116:MCM
 Sample : L2540375-01,31,10,10,,U,R3E
 Misc : WG2084905,ICAL22334
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 28 09:14:30 2025
 Quant Method : K:\VOA116\2025\250628\V116_250605_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jun 05 07:21:45 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA116\2025\250628\V16250628A02.D
 Sub List : 8260-NJ+TBA - Standard NJ plus TBA Sublist

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

Internal Standards						
1) Fluorobenzene	5.359	96	609939	10.000	ug/L	0.00
Standard Area 1 = 631171			Recovery	=	96.64%	
63) Chlorobenzene-d5	8.837	117	505175	10.000	ug/L	0.00
Standard Area 1 = 530920			Recovery	=	95.15%	
84) 1,4-Dichlorobenzene-d4	11.681	152	235237	10.000	ug/L	0.00
Standard Area 1 = 259936			Recovery	=	90.50%	
System Monitoring Compounds						
39) Dibromofluoromethane	4.568	113	171132	10.431	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	104.31%	
47) 1,2-Dichloroethane-d4	5.070	65	168355	9.119	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	91.19%	
64) Toluene-d8	7.020	98	594073	9.694	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	96.94%	
88) 4-Bromofluorobenzene	10.393	95	199804	9.410	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	94.10%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.516	50	117	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	1.817	94	1303	0.104	ug/L	81
6) Chloroethane	1.927	64	478	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.503	76	1073	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	2.969	84	2105	0.176	ug/L	80
17) Acetone	3.005	43	772	0.486	ug/L #	49
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	0.000		0	N.D.	d	
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	0.000		0	N.D.		
33) Bromochloromethane	0.000		0	N.D.		
34) Cyclohexane	0.000		0	N.D.		
35) Chloroform	4.403	83	1521	N.D.		
37) Carbon tetrachloride	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : K:\VOA116\2025\250628\
 Data File : V16250628A06.D
 Acq On : 28 Jun 2025 08:00 am
 Operator : VOA116:MCM
 Sample : L2540375-01,31,10,10,,U,R3E
 Misc : WG2084905,ICAL22334
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 28 09:14:30 2025
 Quant Method : K:\VOA116\2025\250628\V116_250605_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jun 05 07:21:45 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA116\2025\250628\V16250628A02.D
 Sub List : 8260-NJ+TBA - Standard NJ plus TBA Sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) 1,1,1-Trichloroethane	0.000		0		N.D.	
42) 2-Butanone	0.000		0		N.D.	
45) Benzene	4.951	78	226		N.D.	
48) 1,2-Dichloroethane	0.000		0		N.D.	
51) Methylcyclohexane	0.000		0		N.D.	
52) Trichloroethene	0.000		0		N.D.	
55) 1,2-Dichloropropane	0.000		0		N.D.	
58) Bromodichloromethane	0.000		0		N.D.	
61) 1,4-Dioxane	0.000		0		N.D.	
62) cis-1,3-Dichloropropene	0.000		0		N.D.	
65) Toluene	7.083	92	1337		N.D.	
66) 4-Methyl-2-pentanone	0.000		0		N.D.	
67) Tetrachloroethene	0.000		0		N.D.	
69) trans-1,3-Dichloropropene	0.000		0		N.D.	
72) 1,1,2-Trichloroethane	0.000		0		N.D.	
73) Chlorodibromomethane	0.000		0		N.D.	
75) 1,2-Dibromoethane	0.000		0		N.D.	
77) 2-Hexanone	8.365	43	70		N.D.	
78) Chlorobenzene	0.000		0		N.D.	
79) Ethylbenzene	8.920	91	756		N.D.	
81) p/m Xylene	9.101	106	222		N.D.	
82) o Xylene	9.658	106	212		N.D.	
83) Styrene	9.734	104	76		N.D.	
85) Bromoform	9.727	173	83		N.D.	
87) Isopropylbenzene	0.000		0		N.D.	
92) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
105) 1,3-Dichlorobenzene	11.695	146	337		N.D.	
106) 1,4-Dichlorobenzene	11.695	146	337		N.D.	
109) 1,2-Dichlorobenzene	0.000		0		N.D.	
111) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
114) 1,2,4-Trichlorobenzene	13.581	180	132		N.D.	
116) 1,2,3-Trichlorobenzene	14.041	180	67		N.D.	

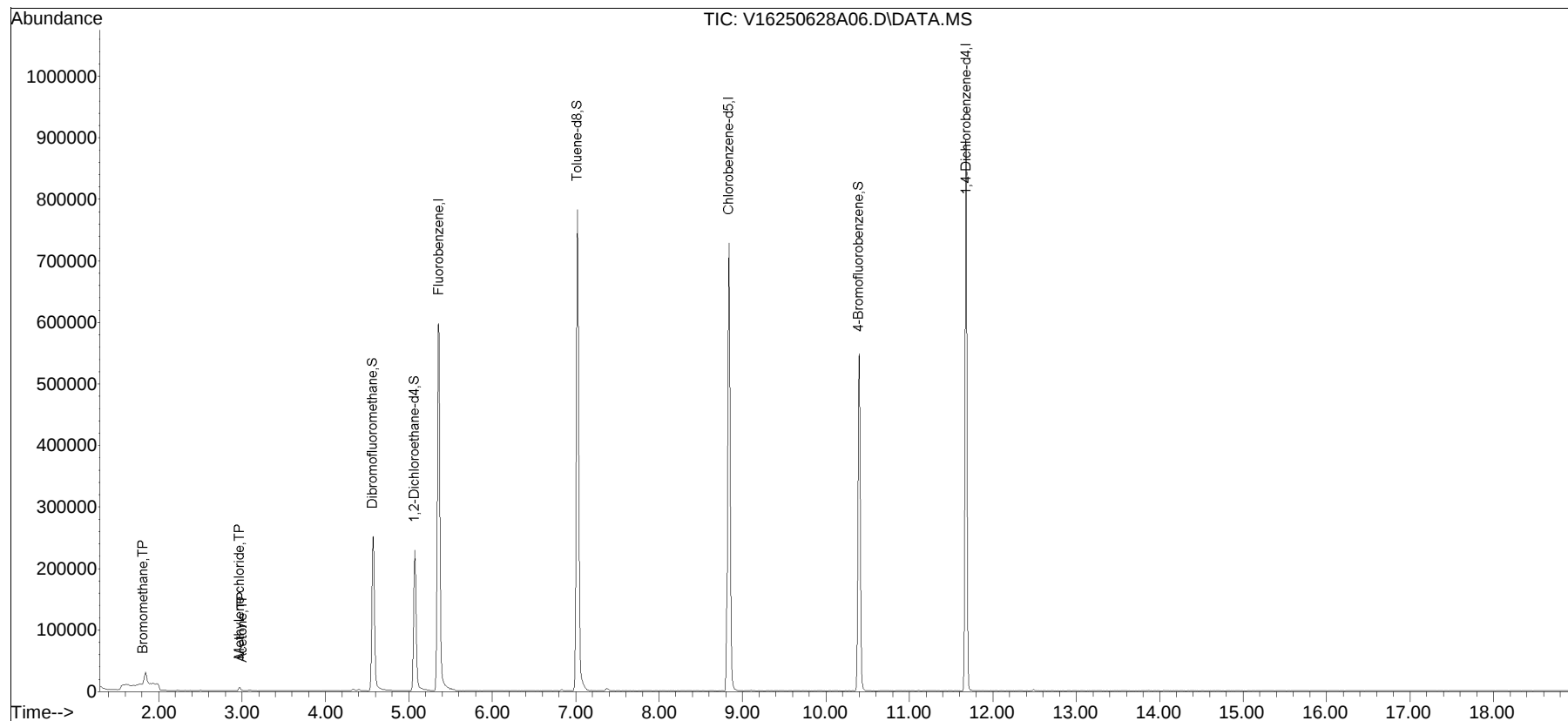
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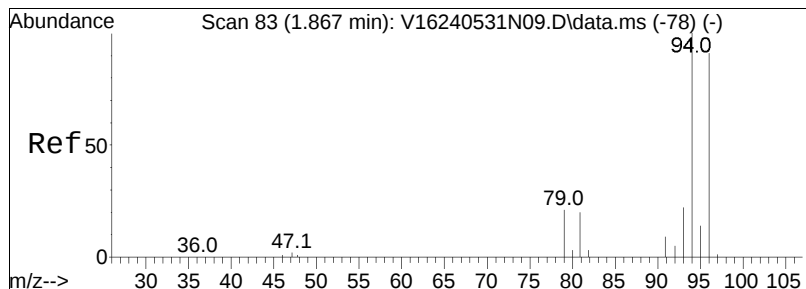
Quantitation Report (QT Reviewed)

Data Path : K:\VOA116\2025\250628\
 Data File : V16250628A06.D
 Acq On : 28 Jun 2025 08:00 am
 Operator : VOA116:MCM
 Sample : L2540375-01,31,10,10,,U,R3E
 Misc : WG2084905,ICAL22334
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 28 09:14:30 2025
 Quant Method : K:\VOA116\2025\250628\V116_250605_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jun 05 07:21:45 2025
 Response via : Initial Calibration

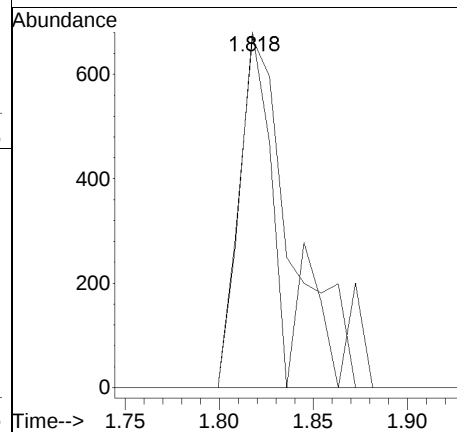
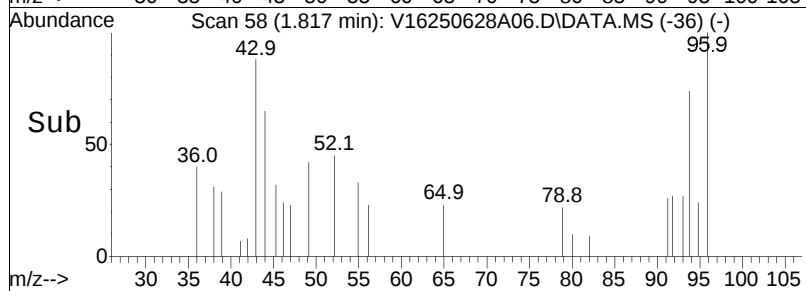
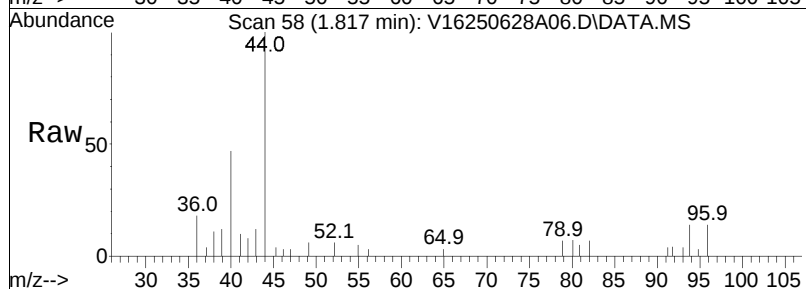
Sub List : 8260-NJ+TBA - Standard NJ plus TBA Sublist

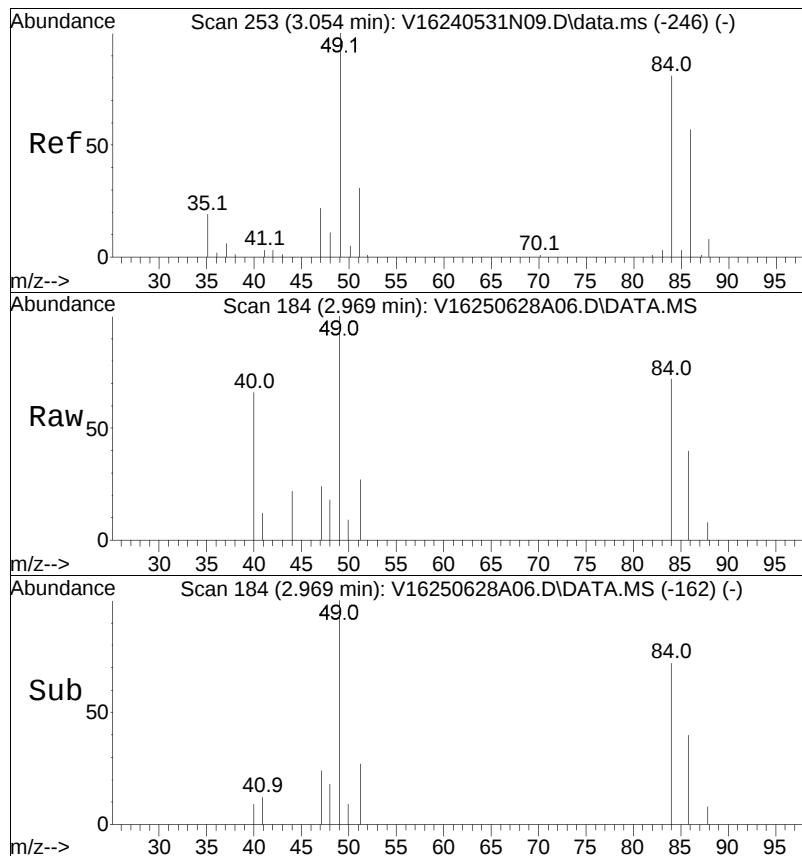




#5
 Bromomethane
 Concen: 0.10 ug/L
 RT: 1.817 min Scan# 58
 Delta R.T. -0.001 min
 Lab File: V16250628A06.D
 Acq: 28 Jun 2025 08:00 am

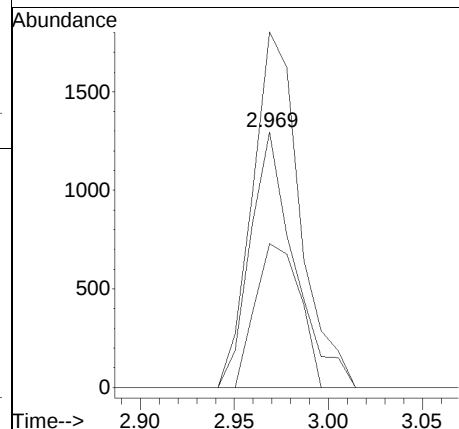
Tgt Ion: 94 Resp: 1303
 Ion Ratio Lower Upper
 94 100
 96 78.4 76.8 116.8

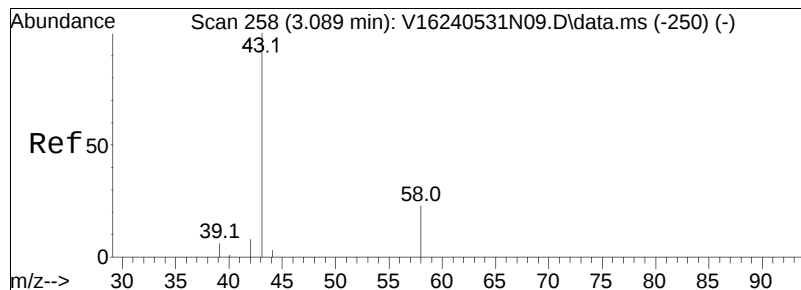




#15
Methylene chloride
Concen: 0.18 ug/L
RT: 2.969 min Scan# 184
Delta R.T. -0.000 min
Lab File: V16250628A06.D
Acq: 28 Jun 2025 08:00 am

Tgt Ion:	84	Resp:	2105
Ion Ratio	Lower	Upper	
84	100		
86	57.3	41.0	85.0
49	150.9	78.5	163.1





#17

Acetone

Concen: 0.49 ug/L

RT: 3.005 min Scan# 188

Delta R.T. 0.009 min

Lab File: V16250628A06.D

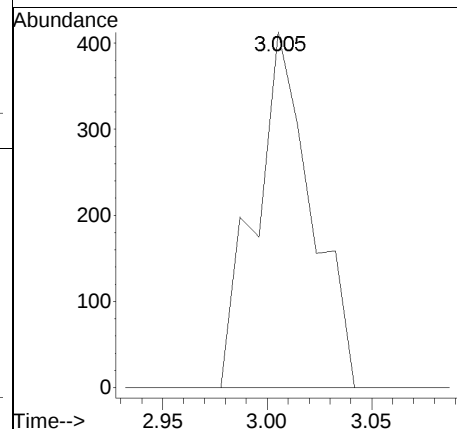
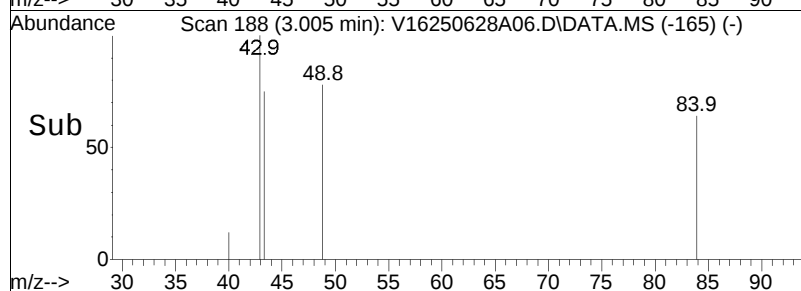
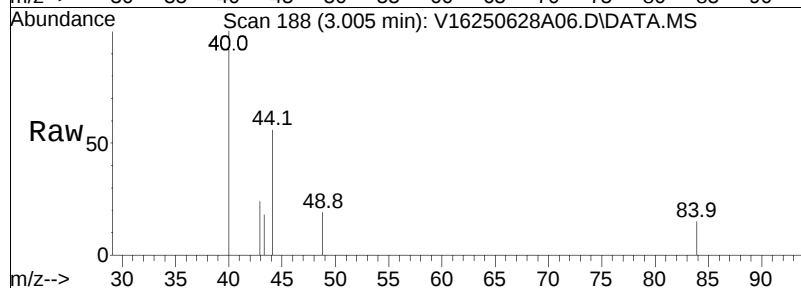
Acq: 28 Jun 2025 08:00 am

Tgt Ion: 43 Resp: 772

Ion Ratio Lower Upper

43 100

58 0.0 21.1 31.7#



Manual Integration Report

Data Path : K:\V0A116\2025\250628\ QMethod : V116_250605_8260.m
Data File : V16250628A06.D Operator : V0A116:MCM
Date Inj'd : 6/28/2025 8:00 am Instrument : V0A 116
Sample : L2540375-01,31,10,10,,U,R3Quant Date : 6/28/2025 9:13 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA116\2025\250628\
 Data File : V16250628A07.D
 Acq On : 28 Jun 2025 08:23 am
 Operator : VOA116:MCM
 Sample : L2540375-02,31,10,10,,U,R3E
 Misc : WG2084905,ICAL22334
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 28 09:15:03 2025
 Quant Method : K:\VOA116\2025\250628\V116_250605_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jun 05 07:21:45 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA116\2025\250628\V16250628A02.D
 Sub List : 8260-NJ+TBA - Standard NJ plus TBA Sublist

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

Internal Standards						
1) Fluorobenzene	5.352	96	648954	10.000	ug/L	0.00
Standard Area 1 = 631171			Recovery	=	102.82%	
63) Chlorobenzene-d5	8.837	117	550194	10.000	ug/L	0.00
Standard Area 1 = 530920			Recovery	=	103.63%	
84) 1,4-Dichlorobenzene-d4	11.681	152	259134	10.000	ug/L	0.00
Standard Area 1 = 259936			Recovery	=	99.69%	
System Monitoring Compounds						
39) Dibromofluoromethane	4.568	113	173262	9.926	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.26%	
47) 1,2-Dichloroethane-d4	5.070	65	174992	8.909	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	89.09%	
64) Toluene-d8	7.020	98	650608	9.748	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	97.48%	
88) 4-Bromofluorobenzene	10.393	95	224140	9.583	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	95.83%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.000		0		N.D.	
3) Chloromethane	1.507	50	725		N.D.	
4) Vinyl chloride	0.000		0		N.D.	
5) Bromomethane	1.900	94	105		N.D.	
6) Chloroethane	1.827	64	568		N.D.	
7) Trichlorofluoromethane	0.000		0		N.D.	
10) 1,1-Dichloroethene	0.000		0		N.D.	
11) Carbon disulfide	2.503	76	2932	0.084	ug/L	95
12) Freon-113	0.000		0		N.D.	
15) Methylene chloride	2.969	84	2577	0.203	ug/L #	81
17) Acetone	2.996	43	26615	15.756	ug/L	91
18) trans-1,2-Dichloroethene	0.000		0		N.D.	
19) Methyl acetate	0.000		0		N.D. d	
21) Methyl tert-butyl ether	0.000		0		N.D.	
25) 1,1-Dichloroethane	3.718	63	132		N.D.	
30) cis-1,2-Dichloroethene	4.147	96	206		N.D.	
33) Bromochloromethane	0.000		0		N.D.	
34) Cyclohexane	4.339	56	15302	0.616	ug/L #	34
35) Chloroform	0.000		0		N.D. d	
37) Carbon tetrachloride	0.000		0		N.D.	

Quantitation Report (QT Reviewed)

Data Path : K:\VOA116\2025\250628\
 Data File : V16250628A07.D
 Acq On : 28 Jun 2025 08:23 am
 Operator : VOA116:MCM
 Sample : L2540375-02,31,10,10,,U,R3E
 Misc : WG2084905,ICAL22334
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 28 09:15:03 2025
 Quant Method : K:\VOA116\2025\250628\V116_250605_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jun 05 07:21:45 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA116\2025\250628\V16250628A02.D
 Sub List : 8260-NJ+TBA - Standard NJ plus TBA Sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
40)	1,1,1-Trichloroethane	4.723	97	340	N.D.			
42)	2-Butanone	0.000		0	N.D.	d		
45)	Benzene	4.951	78	215	N.D.			
48)	1,2-Dichloroethane	5.134	62	244	N.D.			
51)	Methylcyclohexane	5.533	83	47875	2.034	ug/L	#	48
52)	Trichloroethene	0.000		0	N.D.	d		
55)	1,2-Dichloropropane	0.000		0	N.D.	d		
58)	Bromodichloromethane	0.000		0	N.D.	d		
61)	1,4-Dioxane	0.000		0	N.D.			
62)	cis-1,3-Dichloropropene	0.000		0	N.D.			
65)	Toluene	7.083	92	1898	N.D.			
66)	4-Methyl-2-pentanone	0.000		0	N.D.	d		
67)	Tetrachloroethene	7.533	166	85	N.D.			
69)	trans-1,3-Dichloropropene	0.000		0	N.D.			
72)	1,1,2-Trichloroethane	0.000		0	N.D.	d		
73)	Chlorodibromomethane	0.000		0	N.D.			
75)	1,2-Dibromoethane	0.000		0	N.D.	d		
77)	2-Hexanone	0.000		0	N.D.	d		
78)	Chlorobenzene	8.844	112	191	N.D.			
79)	Ethylbenzene	8.920	91	1640	N.D.			
81)	p/m Xylene	9.108	106	2401	0.101	ug/L		98
82)	o Xylene	9.637	106	1096	N.D.			
83)	Styrene	0.000		0	N.D.			
85)	Bromoform	0.000		0	N.D.			
87)	Isopropylbenzene	0.000		0	N.D.	d		
92)	1,1,2,2-Tetrachloroethane	10.683	83	412	N.D.			
105)	1,3-Dichlorobenzene	11.695	146	223	N.D.			
106)	1,4-Dichlorobenzene	11.695	146	223	N.D.			
109)	1,2-Dichlorobenzene	0.000		0	N.D.			
111)	1,2-Dibromo-3-chloropr...	0.000		0	N.D.			
114)	1,2,4-Trichlorobenzene	13.567	180	64	N.D.			
116)	1,2,3-Trichlorobenzene	0.000		0	N.D.			

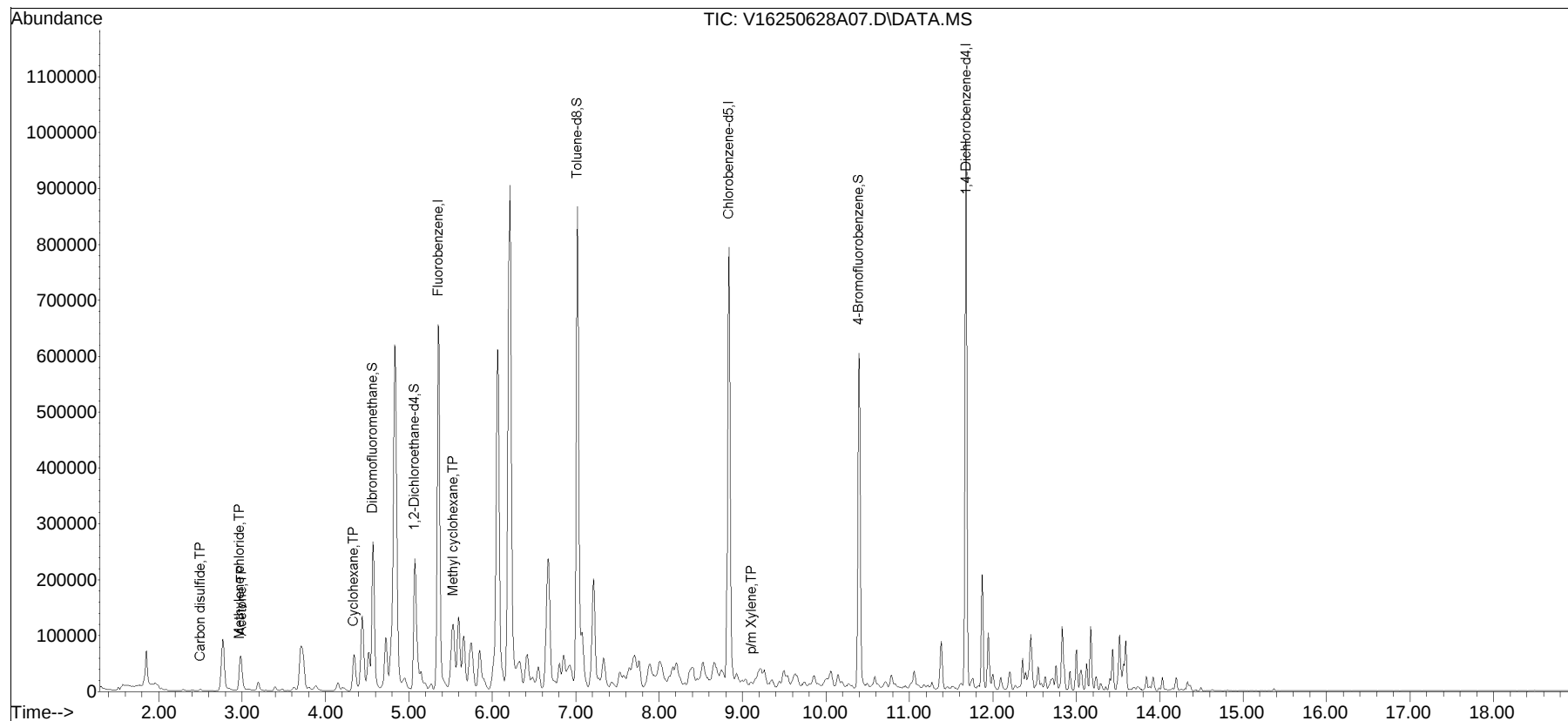
(#) = qualifier out of range (m) = manual integration (+) = signals summed

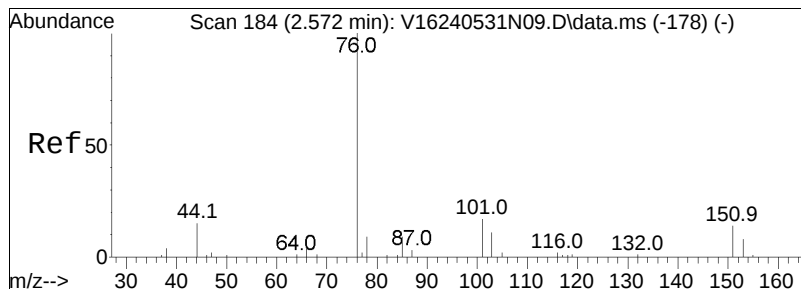
Quantitation Report (QT Reviewed)

Data Path : K:\VOA116\2025\250628\
 Data File : V16250628A07.D
 Acq On : 28 Jun 2025 08:23 am
 Operator : VOA116:MCM
 Sample : L2540375-02,31,10,10,,U,R3E
 Misc : WG2084905,ICAL22334
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 28 09:15:03 2025
 Quant Method : K:\VOA116\2025\250628\V116_250605_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jun 05 07:21:45 2025
 Response via : Initial Calibration

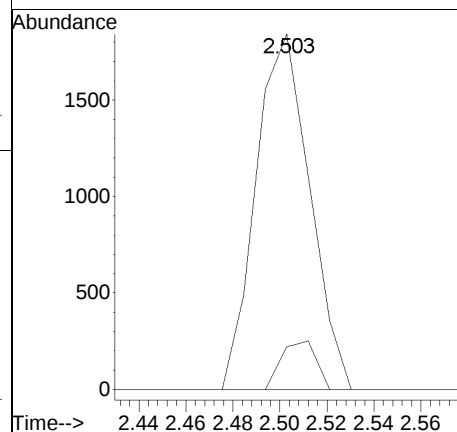
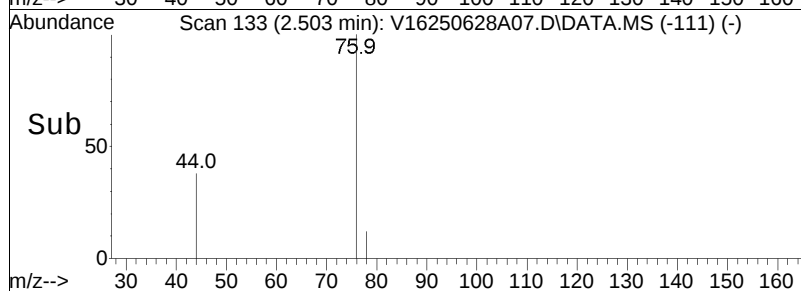
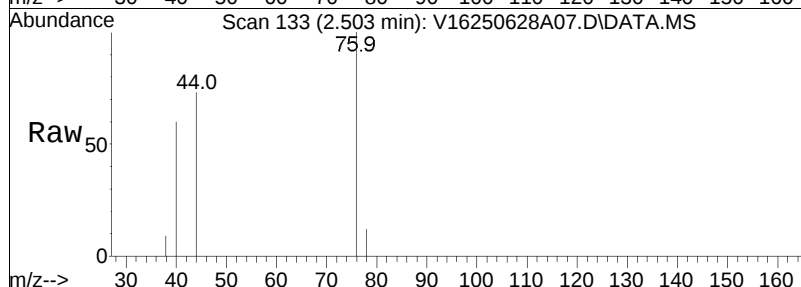
Sub List : 8260-NJ+TBA - Standard NJ plus TBA Sublist

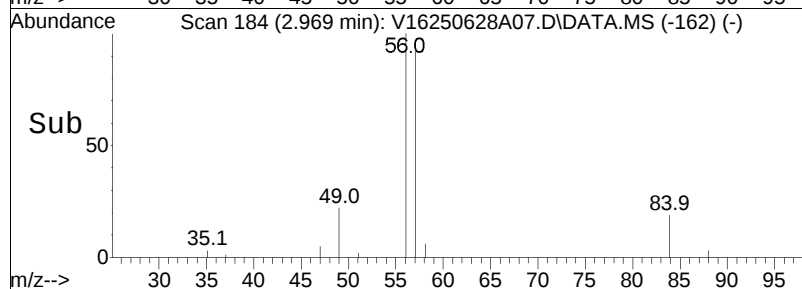
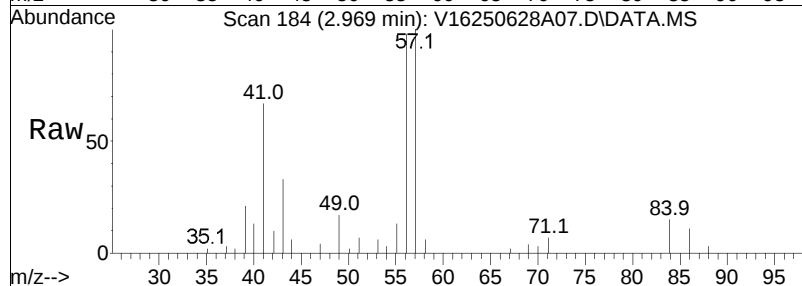
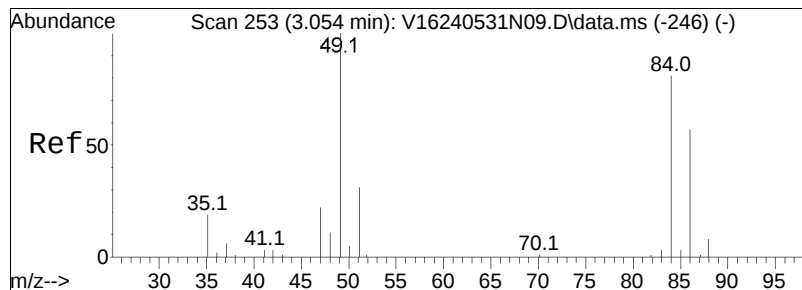




#11
 Carbon disulfide
 Concen: 0.08 ug/L
 RT: 2.503 min Scan# 133
 Delta R.T. -0.000 min
 Lab File: V16250628A07.D
 Acq: 28 Jun 2025 08:23 am

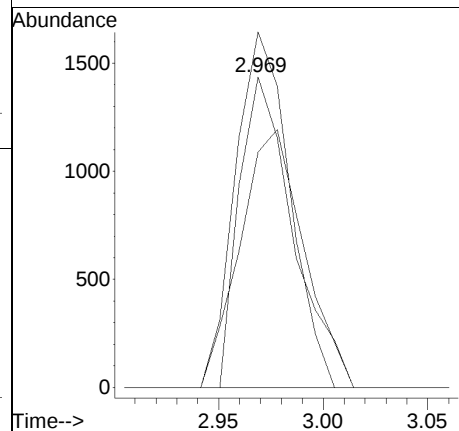
Tgt Ion: 76 Resp: 2932
 Ion Ratio Lower Upper
 76 100
 78 8.8 7.0 14.4

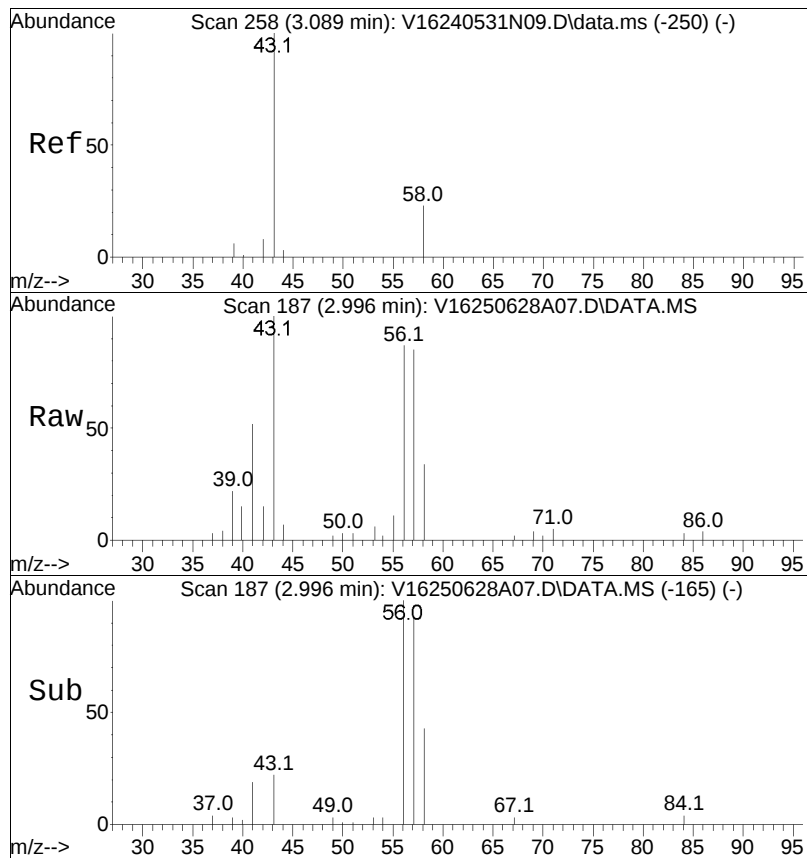




#15
Methylene chloride
Concen: 0.20 ug/L
RT: 2.969 min Scan# 184
Delta R.T. -0.000 min
Lab File: V16250628A07.D
Acq: 28 Jun 2025 08:23 am

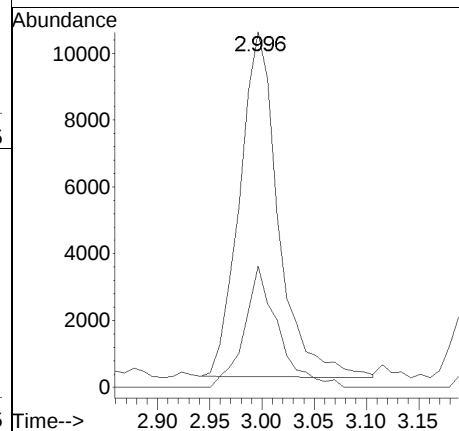
Tgt Ion	Ratio	Lower	Upper
84	100		
86	98.3	41.0	85.0#
49	115.7	78.5	163.1

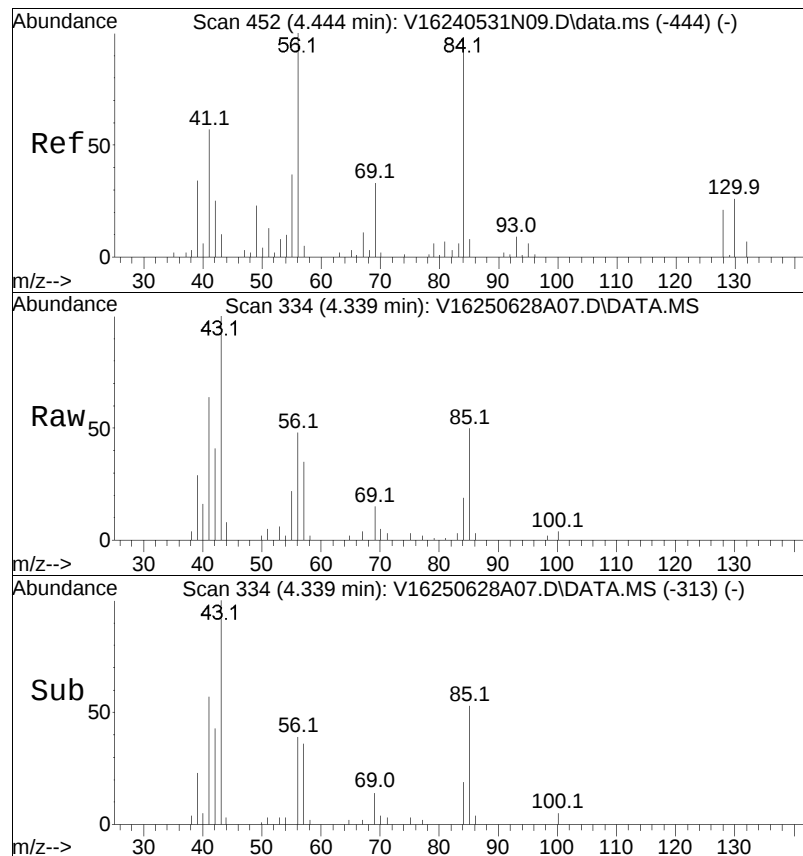




#17
Acetone
Concen: 15.76 ug/L
RT: 2.996 min Scan# 187
Delta R.T. 0.000 min
Lab File: V16250628A07.D
Acq: 28 Jun 2025 08:23 am

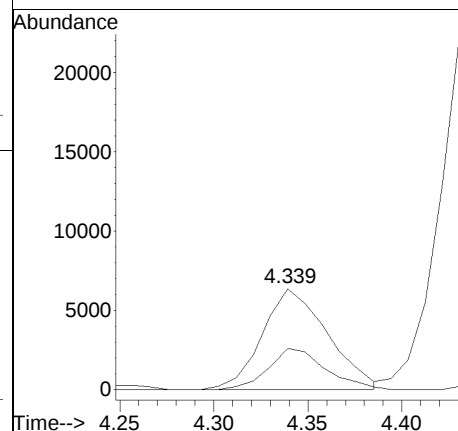
Tgt Ion:	43	58	Ratio	Lower	Upper
Ion	43	58	100	30.9	21.1 31.7

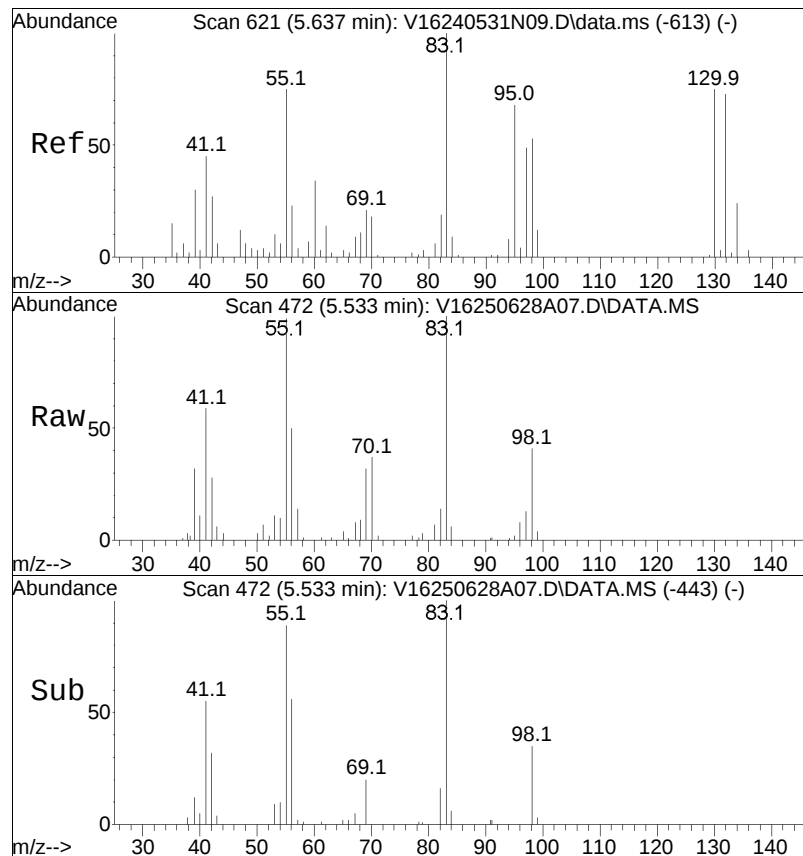




#34
Cyclohexane
Concen: 0.62 ug/L
RT: 4.339 min Scan# 334
Delta R.T. -0.009 min
Lab File: V16250628A07.D
Acq: 28 Jun 2025 08:23 am

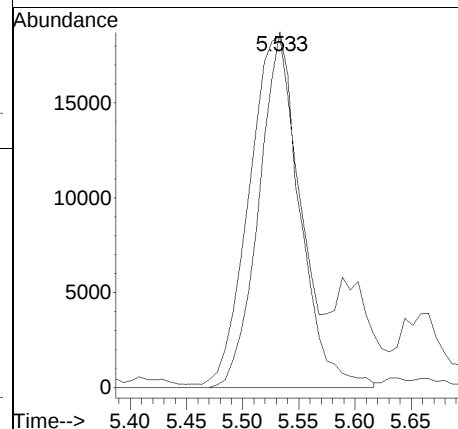
Tgt Ion	Ratio	Lower	Upper
56	100		
84	35.6	67.0	139.2#

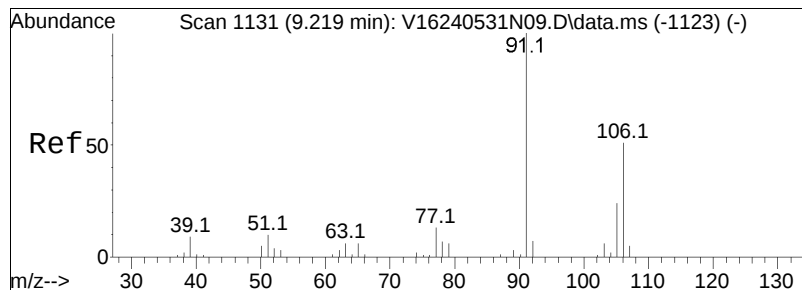




#51
Methyl cyclohexane
Concen: 2.03 ug/L
RT: 5.533 min Scan# 472
Delta R.T. 0.000 min
Lab File: V16250628A07.D
Acq: 28 Jun 2025 08:23 am

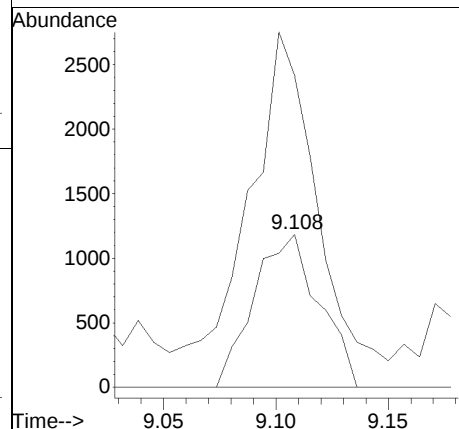
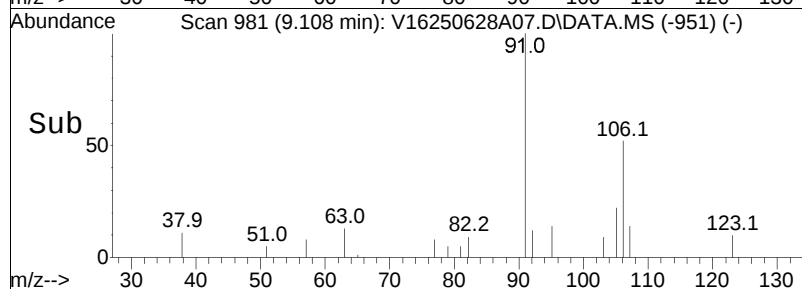
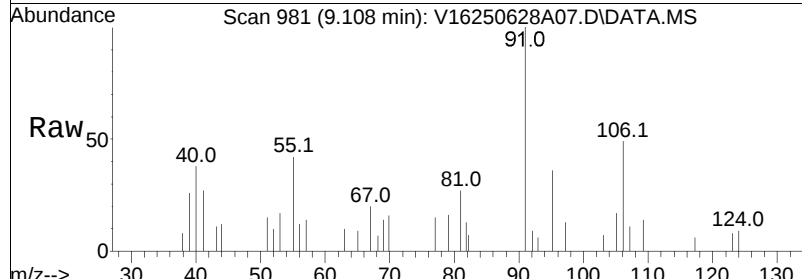
Tgt Ion: 83 Resp: 47875
Ion Ratio Lower Upper
83 100
55 120.9 60.9 91.3#





#81
 p/m Xylene
 Concen: 0.10 ug/L
 RT: 9.108 min Scan# 981
 Delta R.T. 0.007 min
 Lab File: V16250628A07.D
 Acq: 28 Jun 2025 08:23 am

Tgt Ion	Ratio	Lower	Upper
106	100		
91	202.7	164.9	247.3



Manual Integration Report

Data Path : K:\V0A116\2025\250628\ QMethod : V116_250605_8260.m
Data File : V16250628A07.D Operator : V0A116:MCM
Date Inj'd : 6/28/2025 8:23 am Instrument : V0A 116
Sample : L2540375-02,31,10,10,,U,R3Quant Date : 6/28/2025 9:13 am

There are no manual integrations or false positives in this file.

Method Blank

Raw Data

LSC Area Percent Report

Data Path : K:\VOA104\2025\250701A\
 Data File : V04250701A05.D
 Acq On : 1 Jul 2025 8:52 am
 Operator : VOA104:MNF
 Sample : WG2085793-5,31,5,5
 Misc : WG2085793,ICAL22360
 ALS Vial : 5 Sample Multiplier: 1

Integration Parameters: rteint.p
 Integrator: RTE
 Smoothing : ON
 Sampling : 1
 Start Thrs: 0.2
 Stop Thrs : 0

Filtering: 5
 Min Area: 3 % of largest Peak
 Max Peaks: 100
 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : K:\VOA104\2025\250701A\V104_250611A_8260.m
 Title : VOLATILES BY GC/MS

Signal : TIC: V04250701A05.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.612	620	631	665	rBV	142102	322238	34.08%	6.956%
2	5.110	717	726	752	rBV	95211	212837	22.51%	4.594%
3	5.377	766	777	811	rBV	352546	760648	80.44%	16.420%
4	7.024	1082	1091	1123	rBV	380218	873683	92.39%	18.860%
5	8.843	1428	1438	1474	rBV	360463	838939	88.72%	18.110%
6	10.400	1722	1735	1771	rBV	288640	648619	68.59%	14.001%
7	11.674	1971	1978	2015	rBV	521019	945625	100.00%	20.413%
8	12.429	2112	2122	2131	rBV	16775	29955	3.17%	0.647%

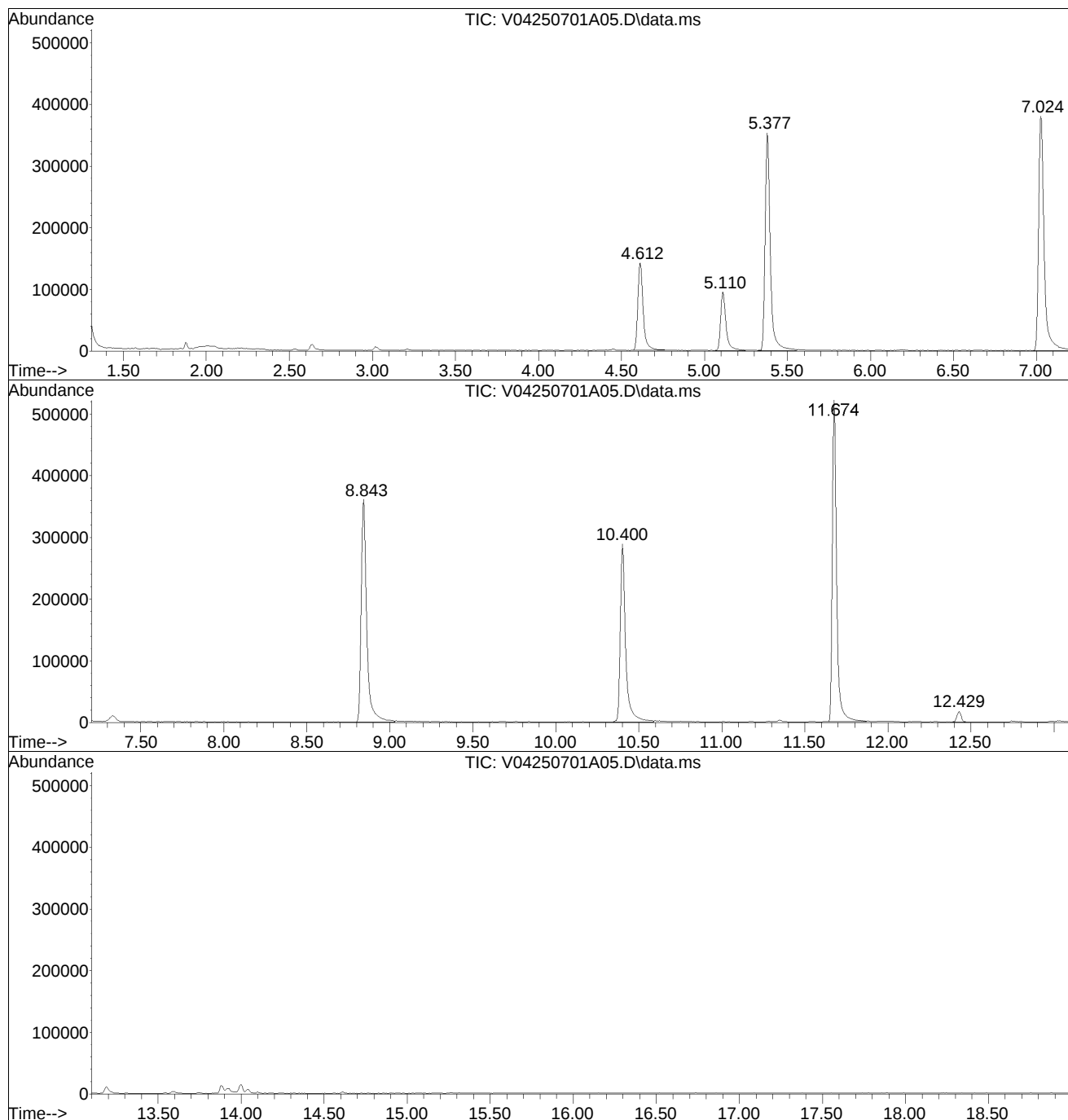
Sum of corrected areas: 4632544

LSC Report - Integrated Chromatogram

Data Path : K:\VOA104\2025\250701A\
Data File : V04250701A05.D
Acq On : 1 Jul 2025 8:52 am
Operator : VOA104:MNF
Sample : WG2085793-5,31,5,5
Misc : WG2085793,ICAL22360
ALS Vial : 5 Sample Multiplier: 1

Quant Method : K:\VOA104\2025\250701A\V104_250611A_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : K:\VOA104\2025\250701A\
Data File : V04250701A05.D
Acq On : 1 Jul 2025 8:52 am
Operator : VOA104:MNF
Sample : WG2085793-5,31,5,5
Misc : WG2085793,ICAL22360
ALS Vial : 5 Sample Multiplier: 1

Quant Method : K:\VOA104\2025\250701A\V104_250611A_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected

Tentatively Identified Compound (LSC) summary

Data Path : K:\VOA104\2025\250701A\
 Data File : V04250701A05.D
 Acq On : 1 Jul 2025 8:52 am
 Operator : VOA104:MNF
 Sample : WG2085793-5,31,5,5
 Misc : WG2085793,ICAL22360
 ALS Vial : 5 Sample Multiplier: 1

Quant Method : K:\VOA104\2025\250701A\V104_250611A_8260.m
 Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
 TIC Integration Parameters: rteint.p

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--
					# RT Resp Conc

Quantitation Report (QT Reviewed)

Data Path : K:\VOA104\2025\250701A\
 Data File : V04250701A05.D
 Acq On : 1 Jul 2025 8:52 am
 Operator : VOA104:MNF
 Sample : WG2085793-5,31,5,5
 Misc : WG2085793,ICAL22360
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 01 09:42:05 2025
 Quant Method : K:\VOA104\2025\250701A\V104_250611A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jun 12 14:02:06 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA104\2025\250701A\V04250701A01.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.377	96	385172	20.000	ug/L	0.00
Standard Area 1 = 390126			Recovery	=	98.73%	
59) Chlorobenzene-d5	8.843	117	289452	20.000	ug/L	0.00
Standard Area 1 = 282200			Recovery	=	102.57%	
79) 1,4-Dichlorobenzene-d4	11.674	152	170439	20.000	ug/L	0.00
Standard Area 1 = 145382			Recovery	=	117.24%	
System Monitoring Compounds						
36) Dibromofluoromethane	4.612	113	98430	17.802	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	89.01%	
43) 1,2-Dichloroethane-d4	5.110	65	79462	16.011	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	80.05%	
60) Toluene-d8	7.024	98	347808	17.636	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	88.18%	
83) 4-Bromofluorobenzene	10.400	95	134064	17.438	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery	=	87.19%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.403	85	48	N.D.		
3) Chloromethane	0.000		0	N.D.	d	
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	1.875	94	4200	0.690	ug/L	92
6) Chloroethane	0.000		0	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.530	76	2694	0.147	ug/L	100
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.018	84	3319	0.530	ug/L	78
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	0.000		0	N.D.	d	
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	3.705	63	47	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	0.000		0	N.D.		
32) Chloroform	4.449	83	1901	0.179	ug/L #	84
34) Carbon tetrachloride	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : K:\VOA104\2025\250701A\
 Data File : V04250701A05.D
 Acq On : 1 Jul 2025 8:52 am
 Operator : VOA104:MNF
 Sample : WG2085793-5,31,5,5
 Misc : WG2085793,ICAL22360
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 01 09:42:05 2025
 Quant Method : K:\VOA104\2025\250701A\V104_250611A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jun 12 14:02:06 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA104\2025\250701A\V04250701A01.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1,1,1-Trichloroethane	0.000		0		N.D.	
39) 2-Butanone	0.000		0		N.D.	d
41) Benzene	4.974	78	156		N.D.	
44) 1,2-Dichloroethane	0.000		0		N.D.	
47) Methylcyclohexane	0.000		0		N.D.	
48) Trichloroethene	0.000		0		N.D.	
51) 1,2-Dichloropropane	0.000		0		N.D.	
54) Bromodichloromethane	0.000		0		N.D.	
57) 1,4-Dioxane	0.000		0		N.D.	
58) cis-1,3-Dichloropropene	0.000		0		N.D.	
61) Toluene	7.087	92	1906	0.139	ug/L	83
62) 4-Methyl-2-pentanone	0.000		0		N.D.	
63) Tetrachloroethene	0.000		0		N.D.	
65) trans-1,3-Dichloropropene	0.000		0		N.D.	
68) 1,1,2-Trichloroethane	0.000		0		N.D.	
69) Chlorodibromomethane	0.000		0		N.D.	
71) 1,2-Dibromoethane	0.000		0		N.D.	
72) 2-Hexanone	8.628	43	48		N.D.	
73) Chlorobenzene	8.864	112	297		N.D.	
74) Ethylbenzene	8.927	91	603		N.D.	
76) p/m Xylene	9.116	106	55		N.D.	
77) o Xylene	9.687	106	208		N.D.	
78) Styrene	9.803	104	70		N.D.	
80) Bromoform	0.000		0		N.D.	
82) Isopropylbenzene	10.054	105	109		N.D.	
87) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
100) 1,3-Dichlorobenzene	11.611	146	763		N.D.	
101) 1,4-Dichlorobenzene	11.701	146	1073		N.D.	
104) 1,2-Dichlorobenzene	12.172	146	574		N.D.	
106) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
109) 1,2,4-Trichlorobenzene	13.588	180	2573	0.321	ug/L	# 91
111) 1,2,3-Trichlorobenzene	14.044	180	3017	0.454	ug/L	91

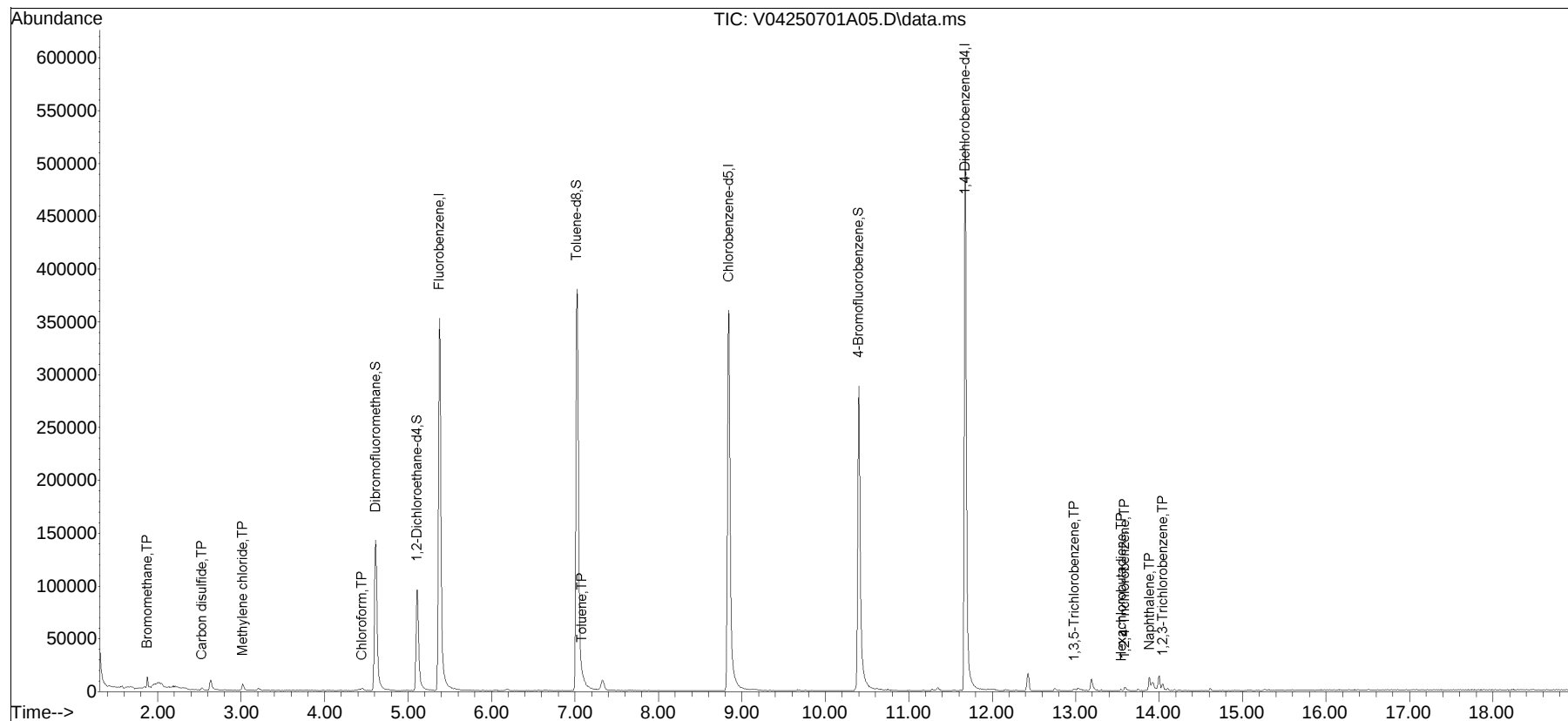
(#) = qualifier out of range (m) = manual integration (+) = signals summed

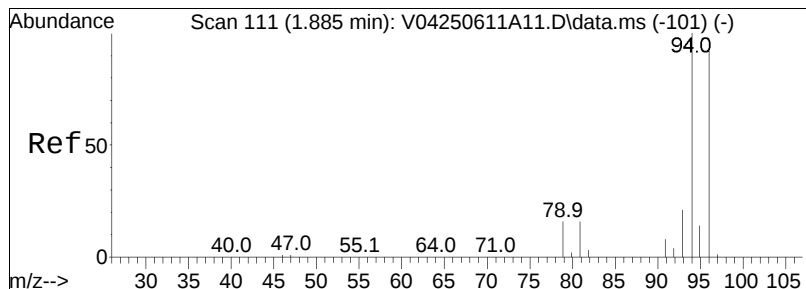
Quantitation Report (QT Reviewed)

Data Path : K:\VOA104\2025\250701A\
 Data File : V04250701A05.D
 Acq On : 1 Jul 2025 8:52 am
 Operator : VOA104:MNF
 Sample : WG2085793-5,31,5,5
 Misc : WG2085793,ICAL22360
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 01 09:42:05 2025
 Quant Method : K:\VOA104\2025\250701A\V104_250611A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jun 12 14:02:06 2025
 Response via : Initial Calibration

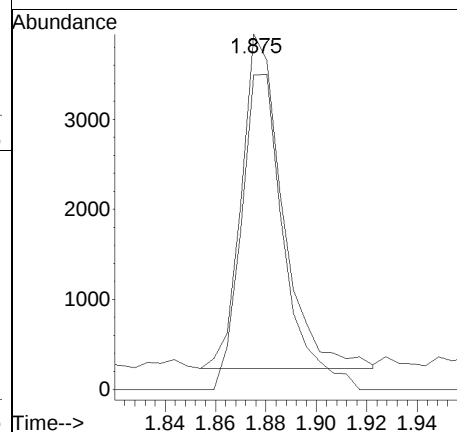
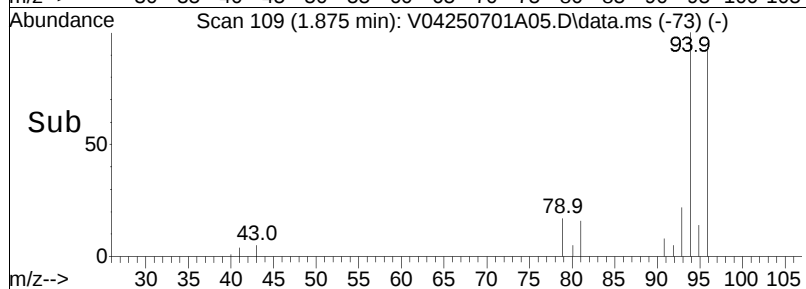
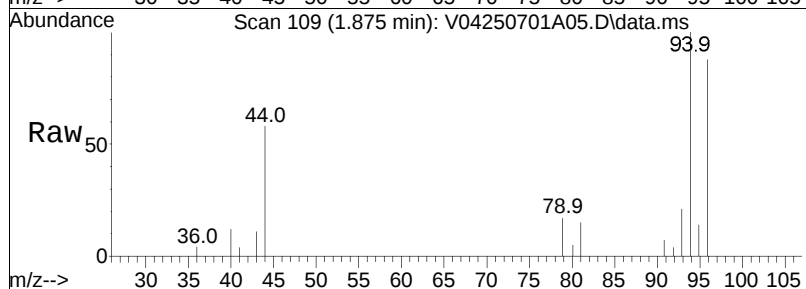
Sub List : 8260-CurveSoil - Megamix plus Diox01A01.D•

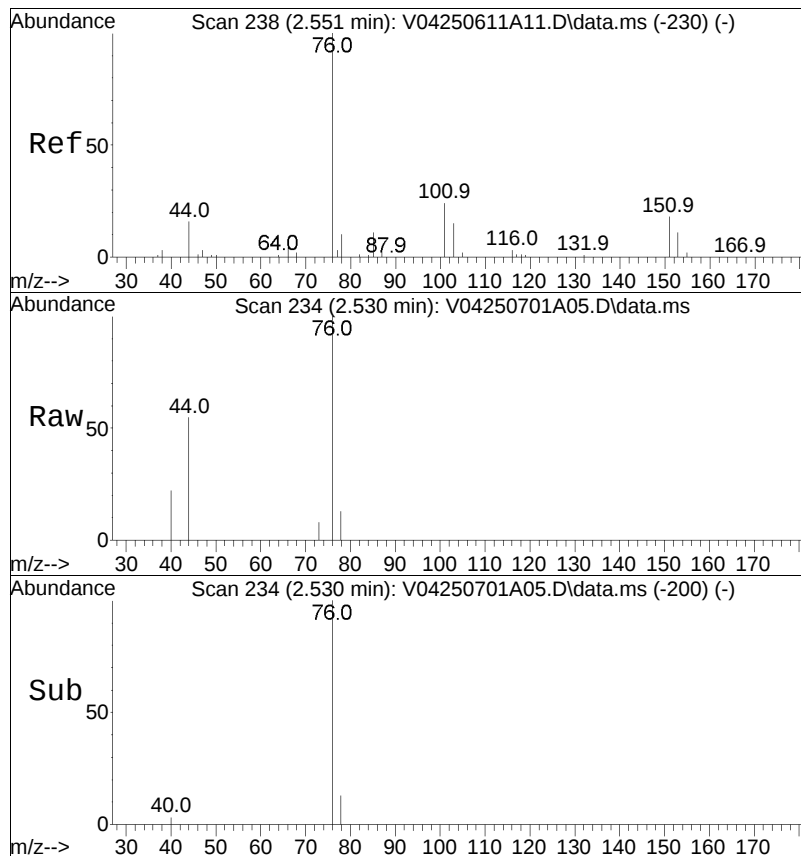




#5
 Bromomethane
 Concen: 0.69 ug/L
 RT: 1.875 min Scan# 109
 Delta R.T. -0.010 min
 Lab File: V04250701A05.D
 Acq: 1 Jul 2025 8:52 am

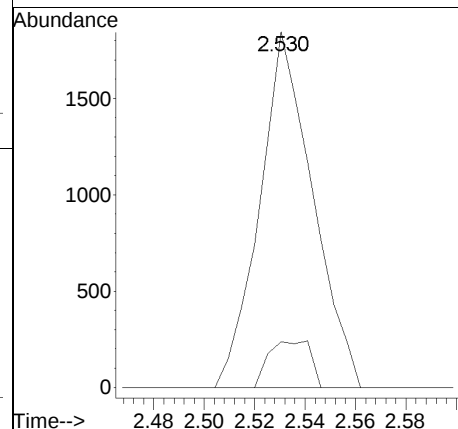
Tgt Ion: 94 Resp: 4200
 Ion Ratio Lower Upper
 94 100
 96 98.5 71.0 111.0

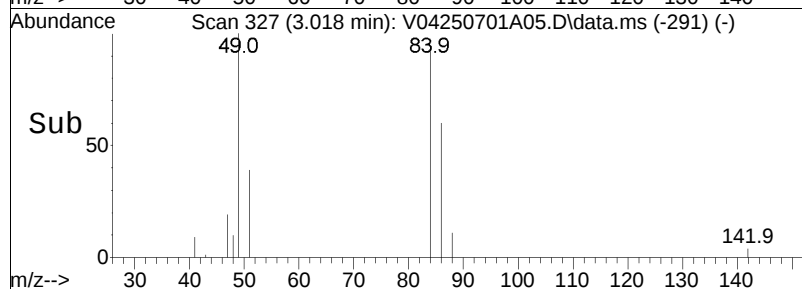
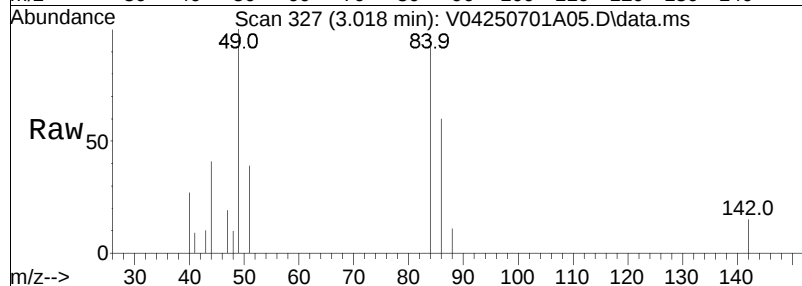
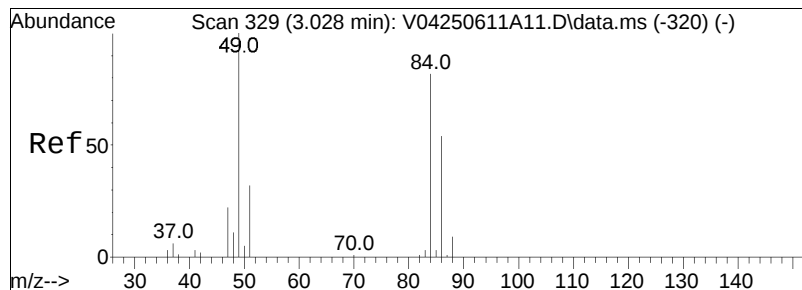




#11
Carbon disulfide
Concen: 0.15 ug/L
RT: 2.530 min Scan# 234
Delta R.T. -0.021 min
Lab File: V04250701A05.D
Acq: 1 Jul 2025 8:52 am

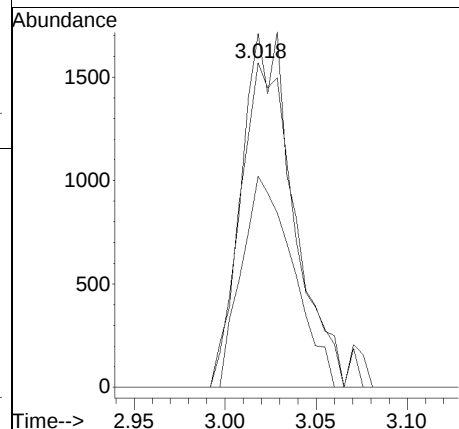
Tgt Ion	Ratio	Lower	Upper
76	100		
78	10.3	6.6	13.8

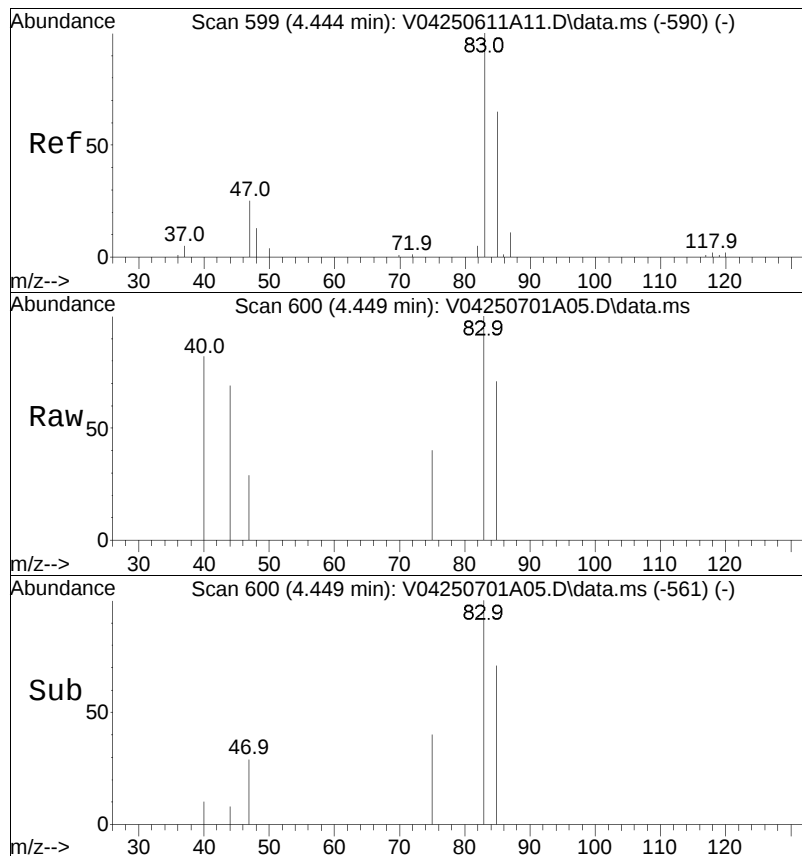




#15
Methylene chloride
Concen: 0.53 ug/L
RT: 3.018 min Scan# 327
Delta R.T. -0.010 min
Lab File: V04250701A05.D
Acq: 1 Jul 2025 8:52 am

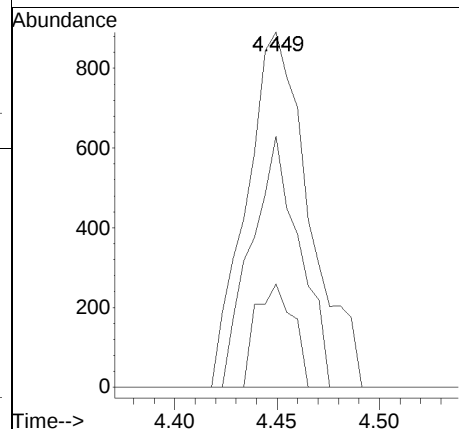
Tgt Ion	Ratio	Lower	Upper
84	100		
86	60.5	41.3	85.9
49	103.6	91.0	189.0

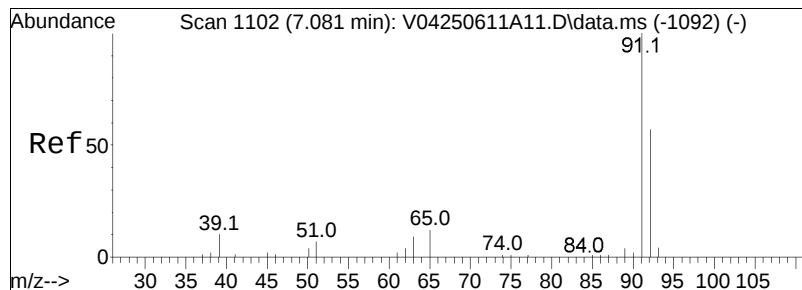




#32
 Chloroform
 Concen: 0.18 ug/L
 RT: 4.449 min Scan# 600
 Delta R.T. 0.005 min
 Lab File: V04250701A05.D
 Acq: 1 Jul 2025 8:52 am

Tgt Ion: 83	Resp: 1901
Ion Ratio	Lower Upper
83 100	
85 54.4	41.9 87.1
47 17.1	16.7 34.7
48 0.0	7.9 16.3#





#61

Toluene

Concen: 0.14 ug/L

RT: 7.087 min Scan# 1103

Delta R.T. 0.005 min

Lab File: V04250701A05.D

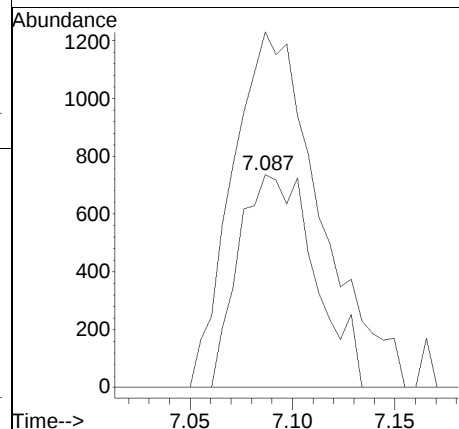
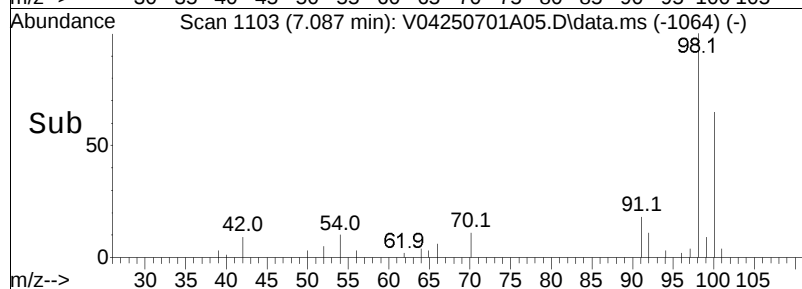
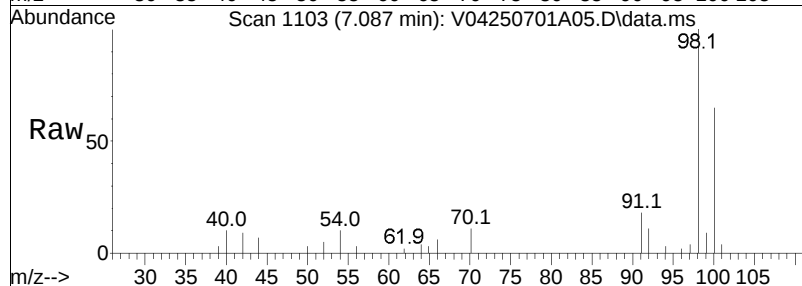
Acq: 1 Jul 2025 8:52 am

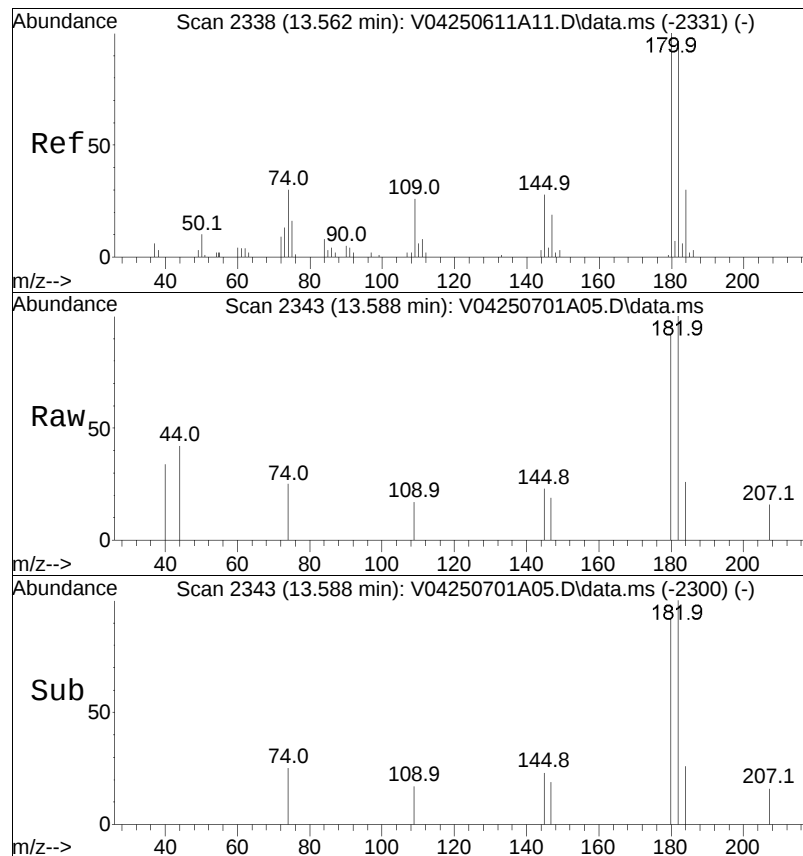
Tgt Ion: 92 Resp: 1906

Ion Ratio Lower Upper

92 100

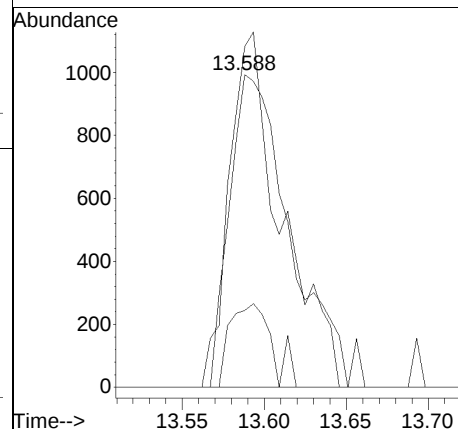
91 192.6 135.8 203.6

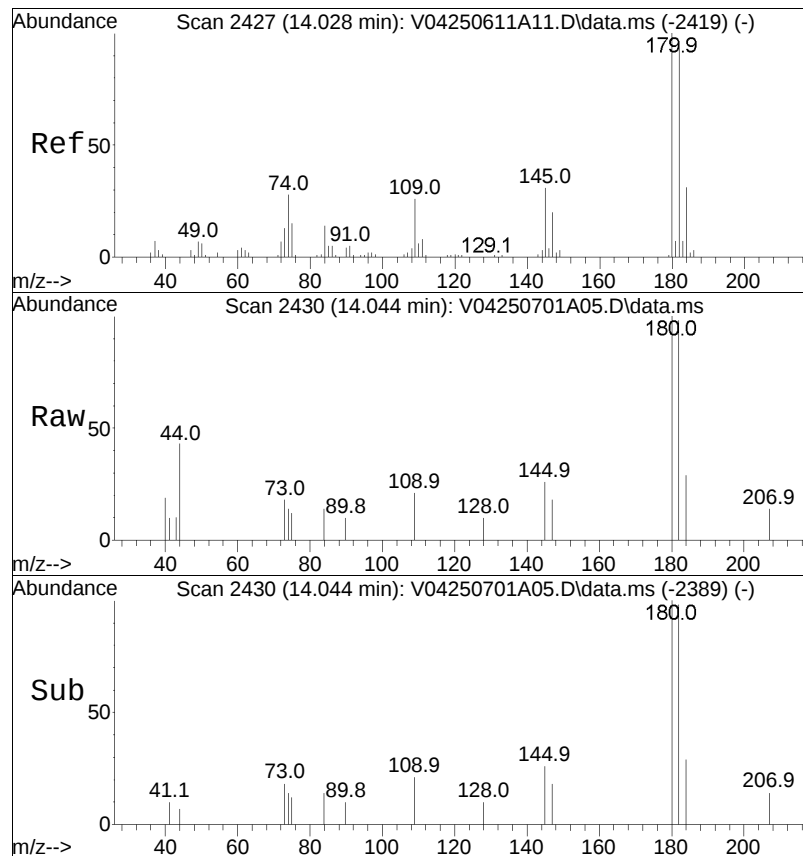




#109
 1,2,4-Trichlorobenzene
 Concen: 0.32 ug/L
 RT: 13.588 min Scan# 2343
 Delta R.T. 0.026 min
 Lab File: V04250701A05.D
 Acq: 1 Jul 2025 8:52 am

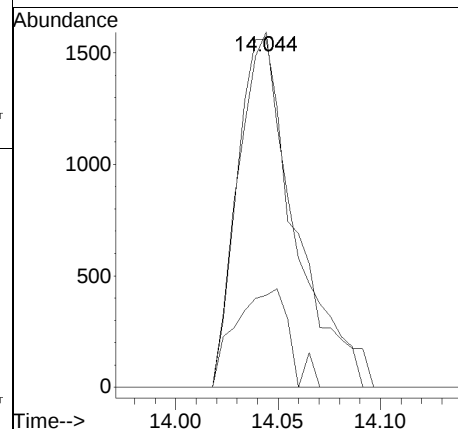
Tgt Ion:	180	Resp:	2573
Ion Ratio	Lower	Upper	
180	100		
182	97.4	77.0	115.4
145	18.4	28.4	42.6#





#111
 1,2,3-Trichlorobenzene
 Concen: 0.45 ug/L
 RT: 14.044 min Scan# 2430
 Delta R.T. 0.016 min
 Lab File: V04250701A05.D
 Acq: 1 Jul 2025 8:52 am

Tgt Ion:	180	Resp:	3017
Ion Ratio	Lower	Upper	
180	100		
182	102.7	75.9	113.9
145	26.6	25.8	38.6



Manual Integration Report

Data Path	: K:\VOA104\2025\250701A\	QMethod	: V104_250611A_8260.m
Data File	: V04250701A05.D	Operator	: VOA104:MNF
Date Inj'd	: 7/1/2025 8:52 am	Instrument	: VOA104
Sample	: WG2085793-5,31,5,5	Quant Date	: 7/1/2025 9:40 am

There are no manual integrations or false positives in this file.

LSC Area Percent Report

Data Path : K:\VOA117\2025\250702A\
Data File : V17250702A05.D
Acq On : 02 Jul 2025 08:41 am
Operator : VOA117:MNF
Sample : WG2086622-5,31,5,5
Misc : WG2086622,ICAL22428
ALS Vial : 5 Sample Multiplier: 1

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : K:\VOA117\2025\250702A\V117_250626A_8260.m

Title : VOLATILES BY GC/MS

Signal : TIC: V17250702A05.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.190	130	134	137	rBV2	13134	18940	7.25%	1.534%
2	3.448	365	374	383	rVB2	5855	10877	4.17%	0.881%
3	5.115	679	692	706	rBV	41559	86798	33.24%	7.030%
4	5.634	780	791	804	rBV2	28784	59749	22.88%	4.839%
5	5.918	834	845	862	rBV	89243	179494	68.74%	14.538%
6	7.595	1154	1165	1184	rBV	109147	223484	85.58%	18.102%
7	9.430	1504	1515	1532	rBV	114360	232388	88.99%	18.823%
8	10.935	1791	1802	1818	rBV2	87303	161749	61.94%	13.101%
9	12.152	2024	2034	2056	rBV	161278	261136	100.00%	21.151%

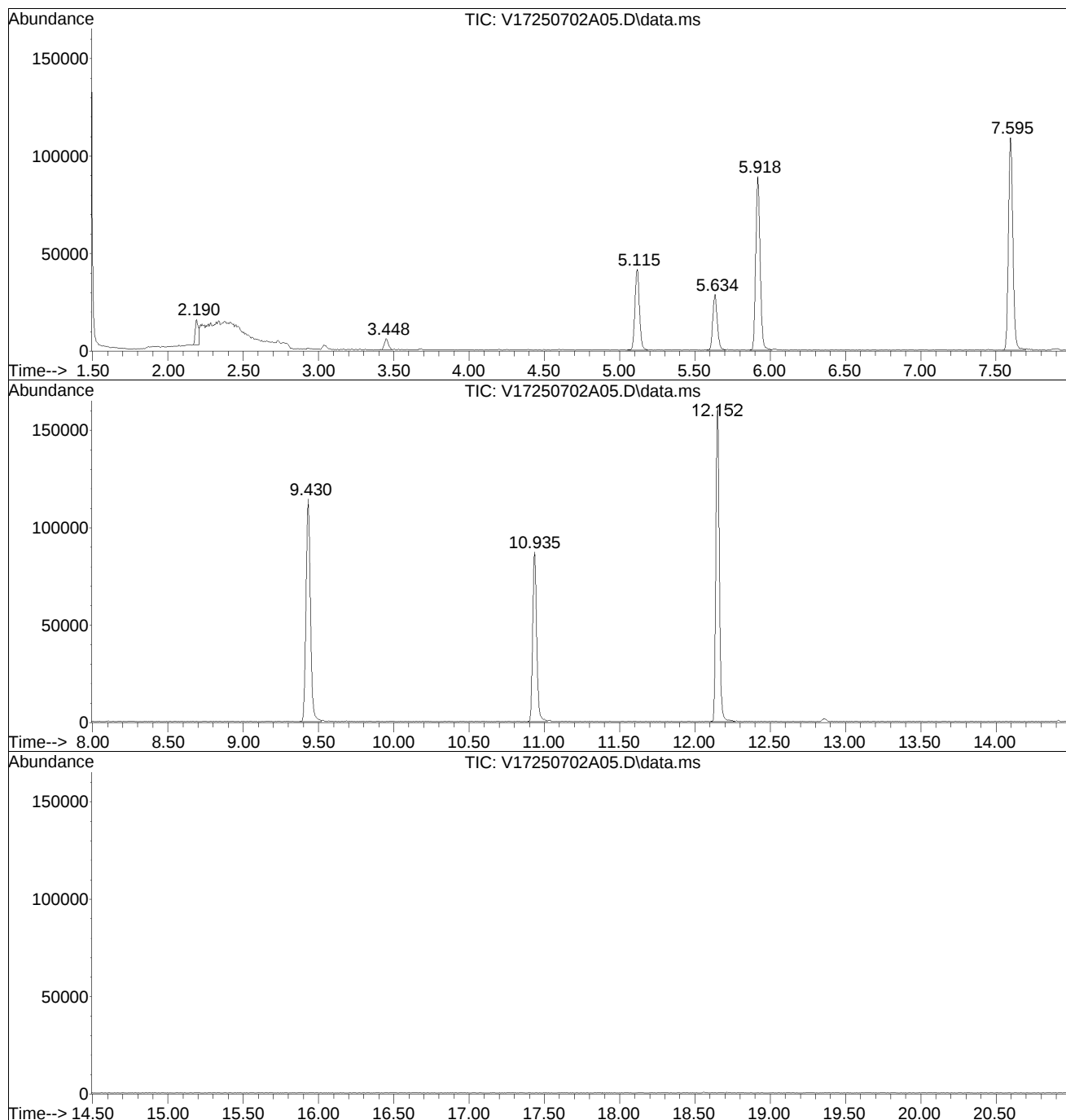
Sum of corrected areas: 1234615

LSC Report - Integrated Chromatogram

Data Path : K:\VOA117\2025\250702A\
Data File : V17250702A05.D
Acq On : 02 Jul 2025 08:41 am
Operator : VOA117:MNF
Sample : WG2086622-5,31,5,5
Misc : WG2086622,ICAL22428
ALS Vial : 5 Sample Multiplier: 1

Quant Method : K:\VOA117\2025\250702A\V117_250626A_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : K:\VOA117\2025\250702A\
Data File : V17250702A05.D
Acq On : 02 Jul 2025 08:41 am
Operator : VOA117:MNF
Sample : WG2086622-5,31,5,5
Misc : WG2086622,ICAL22428
ALS Vial : 5 Sample Multiplier: 1

Quant Method : K:\VOA117\2025\250702A\V117_250626A_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected

Tentatively Identified Compound (LSC) summary

Data Path : K:\VOA117\2025\250702A\
 Data File : V17250702A05.D
 Acq On : 02 Jul 2025 08:41 am
 Operator : VOA117:MNF
 Sample : WG2086622-5,31,5,5
 Misc : WG2086622,ICAL22428
 ALS Vial : 5 Sample Multiplier: 1

Quant Method : K:\VOA117\2025\250702A\V117_250626A_8260.m
 Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
 TIC Integration Parameters: rteint.p

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard-- # RT Resp Conc

Quantitation Report (QT Reviewed)

Data Path : K:\VOA117\2025\250702A\
 Data File : V17250702A05.D
 Acq On : 02 Jul 2025 08:41 am
 Operator : VOA117:MNF
 Sample : WG2086622-5,31,5,5
 Misc : WG2086622,ICAL22428
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 02 10:25:32 2025
 Quant Method : K:\VOA117\2025\250702A\V117_250626A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 27 11:08:50 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA117\2025\250702A\V17250702A01.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

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

Internal Standards						
1) Fluorobenzene	5.918	96	90232	20.000	ug/L	0.00
Standard Area 1 = 93640			Recovery =	96.36%		
59) Chlorobenzene-d5	9.430	117	80765	20.000	ug/L	0.00
Standard Area 1 = 85474			Recovery =	94.49%		
79) 1,4-Dichlorobenzene-d4	12.152	152	45915	20.000	ug/L	0.00
Standard Area 1 = 52237			Recovery =	87.90%		
System Monitoring Compounds						
36) Dibromofluoromethane	5.115	113	25350	19.055	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	95.28%		
43) 1,2-Dichloroethane-d4	5.634	65	20936	18.864	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	94.32%		
60) Toluene-d8	7.595	98	86891	18.125	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	90.63%		
83) 4-Bromofluorobenzene	10.935	95	29267	18.130	ug/L	0.00
Spiked Amount 20.000	Range 70 - 130		Recovery =	90.65%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.807	50	49	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.190	94	4378	2.489	ug/L	98
6) Chloroethane	0.000		0	N.D. d		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.934	76	638	0.187	ug/L #	73
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.448	84	3003	2.622	ug/L	86
17) Acetone	3.500	43	142	Below Cal	#	43
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	0.000		0	N.D. d		
20) Methyl tert-butyl ether	0.000		0	N.D.		
23) 1,1-Dichloroethane	0.000		0	N.D.		
28) cis-1,2-Dichloroethene	0.000		0	N.D.		
30) Bromochloromethane	0.000		0	N.D.		
31) Cyclohexane	0.000		0	N.D.		
32) Chloroform	0.000		0	N.D.		
34) Carbon tetrachloride	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : K:\VOA117\2025\250702A\
 Data File : V17250702A05.D
 Acq On : 02 Jul 2025 08:41 am
 Operator : VOA117:MNF
 Sample : WG2086622-5,31,5,5
 Misc : WG2086622,ICAL22428
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 02 10:25:32 2025
 Quant Method : K:\VOA117\2025\250702A\V117_250626A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 27 11:08:50 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA117\2025\250702A\V17250702A01.D
 Sub List : 8260-CurveSoil - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1,1,1-Trichloroethane	0.000		0		N.D.	
39) 2-Butanone	0.000		0		N.D.	
41) Benzene	0.000		0		N.D.	
44) 1,2-Dichloroethane	0.000		0		N.D.	
47) Methylcyclohexane	0.000		0		N.D.	
48) Trichloroethene	0.000		0		N.D.	
51) 1,2-Dichloropropane	0.000		0		N.D.	
54) Bromodichloromethane	0.000		0		N.D.	
57) 1,4-Dioxane	0.000		0		N.D.	
58) cis-1,3-Dichloropropene	0.000		0		N.D.	
61) Toluene	0.000		0		N.D.	
62) 4-Methyl-2-pentanone	0.000		0		N.D.	
63) Tetrachloroethene	0.000		0		N.D.	
65) trans-1,3-Dichloropropene	0.000		0		N.D.	
68) 1,1,2-Trichloroethane	0.000		0		N.D.	
69) Chlorodibromomethane	0.000		0		N.D.	
71) 1,2-Dibromoethane	0.000		0		N.D.	
72) 2-Hexanone	0.000		0		N.D.	d
73) Chlorobenzene	0.000		0		N.D.	
74) Ethylbenzene	0.000		0		N.D.	
76) p/m Xylene	0.000		0		N.D.	
77) o Xylene	0.000		0		N.D.	
78) Styrene	0.000		0		N.D.	
80) Bromoform	0.000		0		N.D.	
82) Isopropylbenzene	0.000		0		N.D.	
87) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
100) 1,3-Dichlorobenzene	0.000		0		N.D.	
101) 1,4-Dichlorobenzene	0.000		0		N.D.	
104) 1,2-Dichlorobenzene	0.000		0		N.D.	
106) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
109) 1,2,4-Trichlorobenzene	0.000		0		N.D.	
111) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

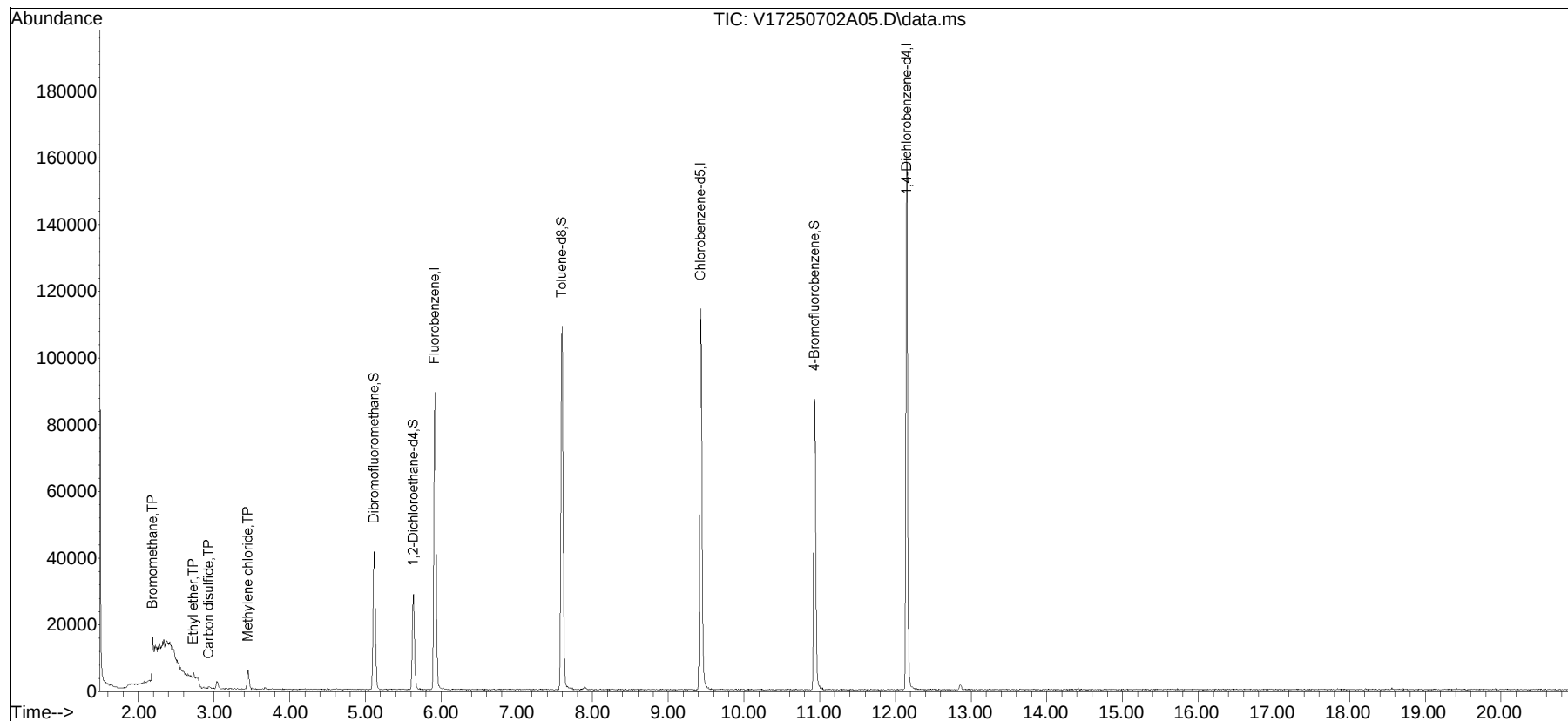
(#) = qualifier out of range (m) = manual integration (+) = signals summed

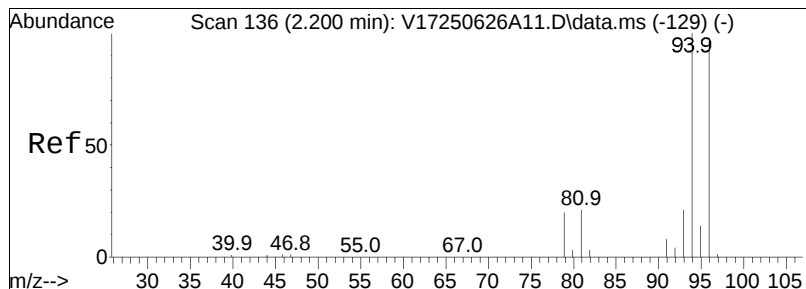
Quantitation Report (QT Reviewed)

Data Path : K:\VOA117\2025\250702A\
 Data File : V17250702A05.D
 Acq On : 02 Jul 2025 08:41 am
 Operator : VOA117:MNF
 Sample : WG2086622-5,31,5,5
 Misc : WG2086622,ICAL22428
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 02 10:25:32 2025
 Quant Method : K:\VOA117\2025\250702A\V117_250626A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri Jun 27 11:08:50 2025
 Response via : Initial Calibration

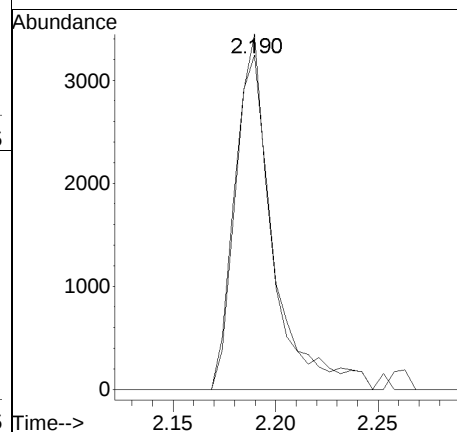
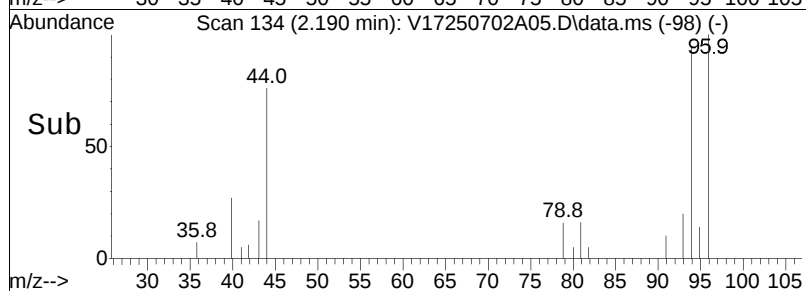
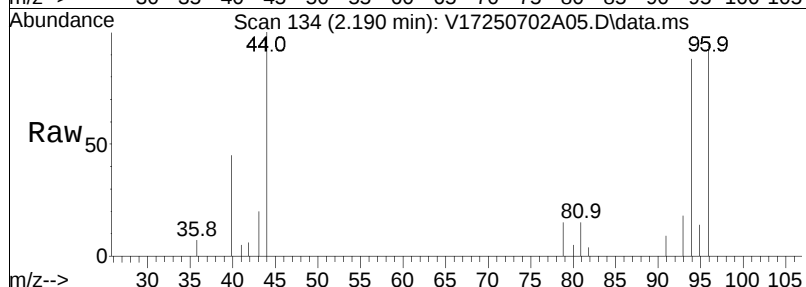
Sub List : 8260-CurveSoil - Megamix plus Diox02A01.D•

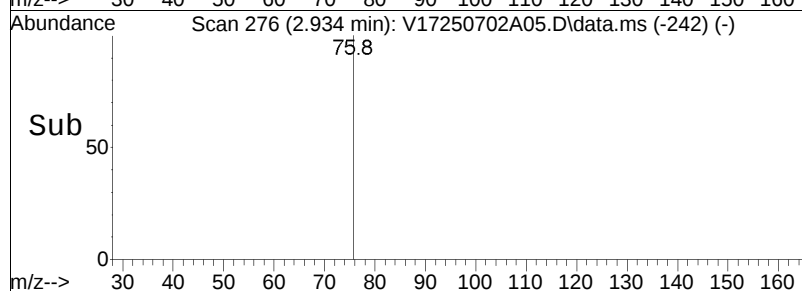
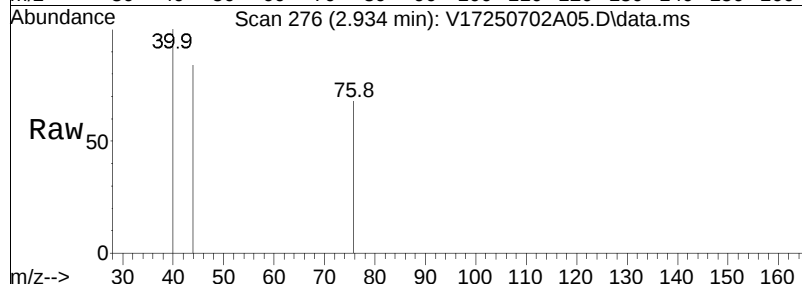
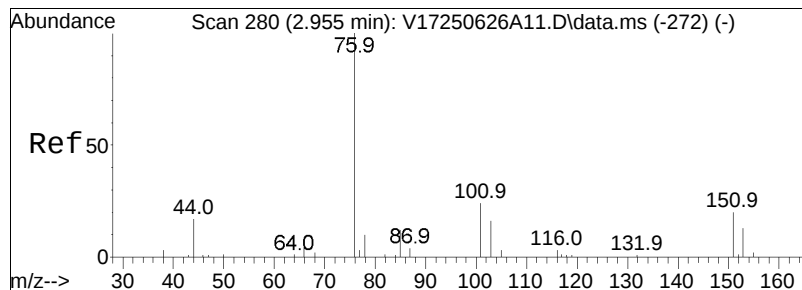




#5
 Bromomethane
 Concen: 2.49 ug/L
 RT: 2.190 min Scan# 134
 Delta R.T. -0.011 min
 Lab File: V17250702A05.D
 Acq: 02 Jul 2025 08:41 am

Tgt Ion: 94 Resp: 4378
 Ion Ratio Lower Upper
 94 100
 96 93.6 75.2 115.2





#11

Carbon disulfide

Concen: 0.19 ug/L

RT: 2.934 min Scan# 276

Delta R.T. -0.021 min

Lab File: V17250702A05.D

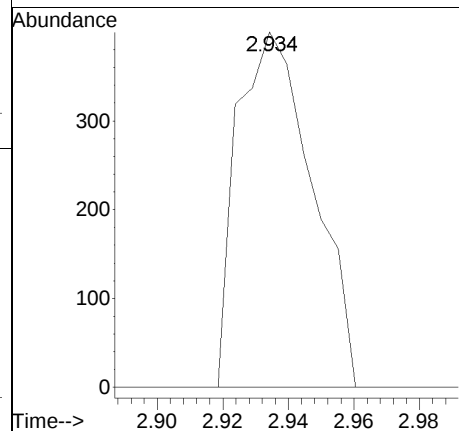
Acq: 02 Jul 2025 08:41 am

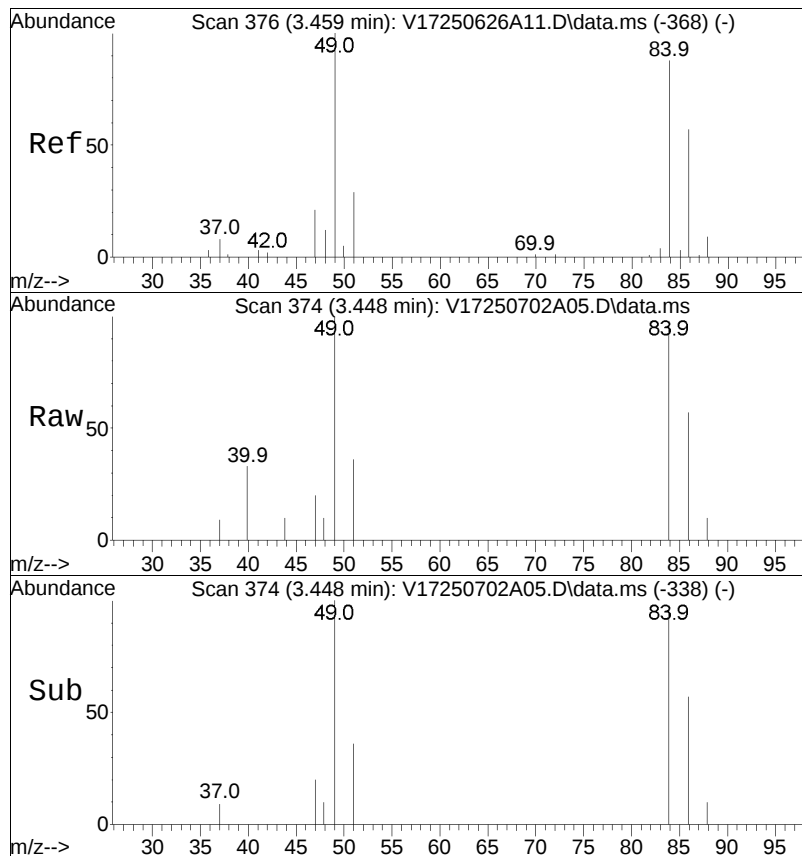
Tgt Ion: 76 Resp: 638

Ion Ratio Lower Upper

76 100

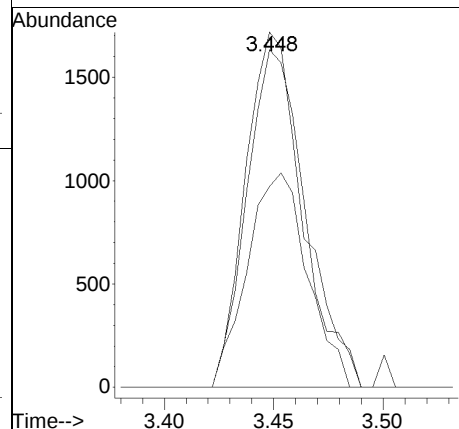
78 0.0 6.4 13.2#





#15
 Methylene chloride
 Concen: 2.62 ug/L
 RT: 3.448 min Scan# 374
 Delta R.T. -0.011 min
 Lab File: V17250702A05.D
 Acq: 02 Jul 2025 08:41 am

Tgt	Ion: 84	Resp:	3003
Ion	Ratio	Lower	Upper
84	100		
86	66.3	41.9	86.9
49	105.7	83.5	173.5



Manual Integration Report

Data Path	: K:\V0A117\2025\250702A\	QMethod	: V117_250626A_8260.m
Data File	: V17250702A05.D	Operator	: V0A117:MNF
Date Inj'd	: 7/2/2025 8:41 am	Instrument	: V0A117
Sample	: WG2086622-5,31,5,5	Quant Date	: 7/2/2025 9:35 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\VOA116\2025\250628\
 Data File : V16250628A05.D
 Acq On : 28 Jun 2025 07:37 am
 Operator : VOA116:MCM
 Sample : WG2084905-5,31,10,10,,A
 Misc : WG2084905,ICAL22334
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 28 09:14:17 2025
 Quant Method : K:\VOA116\2025\250628\V116_250605_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jun 05 07:21:45 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA116\2025\250628\V16250628A02.D
 Sub List : 8260-NJ+TBA - Standard NJ plus TBA Sublist

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

Internal Standards						
1) Fluorobenzene	5.352	96	622861	10.000	ug/L	0.00
Standard Area 1 = 631171			Recovery	=	98.68%	
63) Chlorobenzene-d5	8.837	117	528148	10.000	ug/L	0.00
Standard Area 1 = 530920			Recovery	=	99.48%	
84) 1,4-Dichlorobenzene-d4	11.681	152	242557	10.000	ug/L	0.00
Standard Area 1 = 259936			Recovery	=	93.31%	
System Monitoring Compounds						
39) Dibromofluoromethane	4.568	113	177238	10.579	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	105.79%	
47) 1,2-Dichloroethane-d4	5.070	65	175244	9.295	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	92.95%	
64) Toluene-d8	7.020	98	609866	9.519	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	95.19%	
88) 4-Bromofluorobenzene	10.400	95	203644	9.301	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	93.01%	
Target Compounds						
2) Dichlorodifluoromethane	0.000		0	N.D.		
3) Chloromethane	1.507	50	463	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	1.891	94	172	N.D.		
6) Chloroethane	1.900	64	662	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.503	76	995	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	2.969	84	5935	0.487	ug/L	83
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	3.161	43	115	N.D.		
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	0.000		0	N.D.		
33) Bromochloromethane	0.000		0	N.D.		
34) Cyclohexane	0.000		0	N.D.		
35) Chloroform	4.403	83	2159	0.097	ug/L	92
37) Carbon tetrachloride	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : K:\VOA116\2025\250628\
 Data File : V16250628A05.D
 Acq On : 28 Jun 2025 07:37 am
 Operator : VOA116:MCM
 Sample : WG2084905-5,31,10,10,,A
 Misc : WG2084905,ICAL22334
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 28 09:14:17 2025
 Quant Method : K:\VOA116\2025\250628\V116_250605_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jun 05 07:21:45 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\VOA116\2025\250628\V16250628A02.D
 Sub List : 8260-NJ+TBA - Standard NJ plus TBA Sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) 1,1,1-Trichloroethane	0.000		0		N.D.	
42) 2-Butanone	0.000		0		N.D.	
45) Benzene	4.942	78	90		N.D.	
48) 1,2-Dichloroethane	5.143	62	204		N.D.	
51) Methylcyclohexane	0.000		0		N.D.	
52) Trichloroethene	5.484	95	654		N.D.	
55) 1,2-Dichloropropane	0.000		0		N.D.	
58) Bromodichloromethane	6.138	83	156		N.D.	
61) 1,4-Dioxane	0.000		0		N.D.	
62) cis-1,3-Dichloropropene	0.000		0		N.D.	
65) Toluene	7.069	92	157		N.D.	
66) 4-Methyl-2-pentanone	0.000		0		N.D.	
67) Tetrachloroethene	0.000		0		N.D.	
69) trans-1,3-Dichloropropene	0.000		0		N.D.	
72) 1,1,2-Trichloroethane	0.000		0		N.D.	
73) Chlorodibromomethane	0.000		0		N.D.	
75) 1,2-Dibromoethane	0.000		0		N.D.	
77) 2-Hexanone	0.000		0		N.D.	d
78) Chlorobenzene	0.000		0		N.D.	
79) Ethylbenzene	8.913	91	401		N.D.	
81) p/m Xylene	9.108	106	589		N.D.	
82) o Xylene	0.000		0		N.D.	
83) Styrene	0.000		0		N.D.	
85) Bromoform	9.713	173	63		N.D.	
87) Isopropylbenzene	0.000		0		N.D.	
92) 1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
105) 1,3-Dichlorobenzene	11.596	146	109		N.D.	
106) 1,4-Dichlorobenzene	11.688	146	313		N.D.	
109) 1,2-Dichlorobenzene	12.133	146	67		N.D.	
111) 1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
114) 1,2,4-Trichlorobenzene	13.574	180	95		N.D.	
116) 1,2,3-Trichlorobenzene	0.000		0		N.D.	

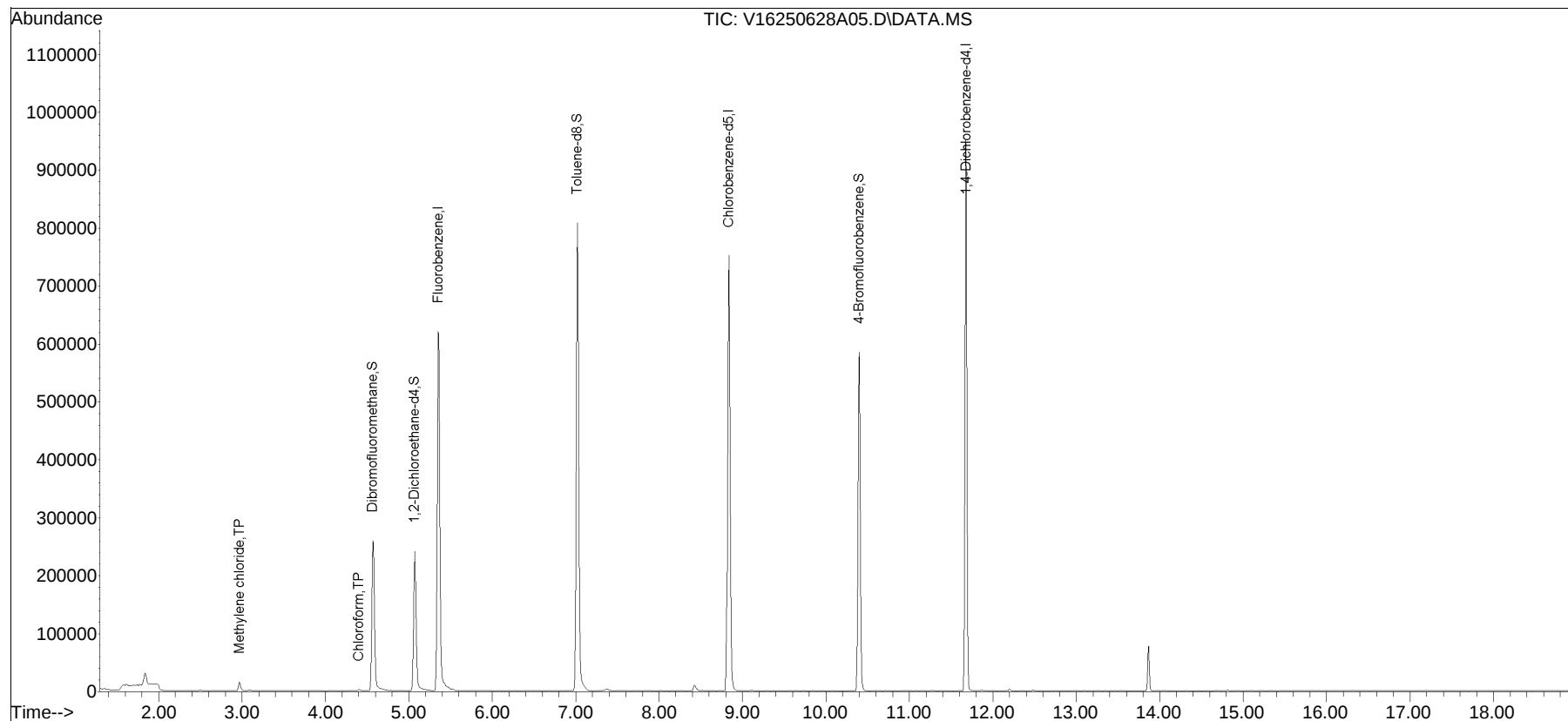
(#) = qualifier out of range (m) = manual integration (+) = signals summed

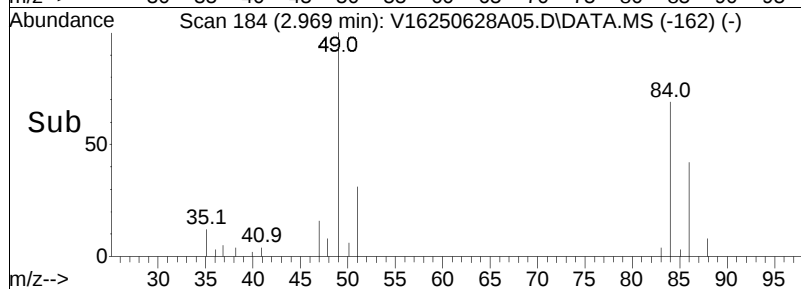
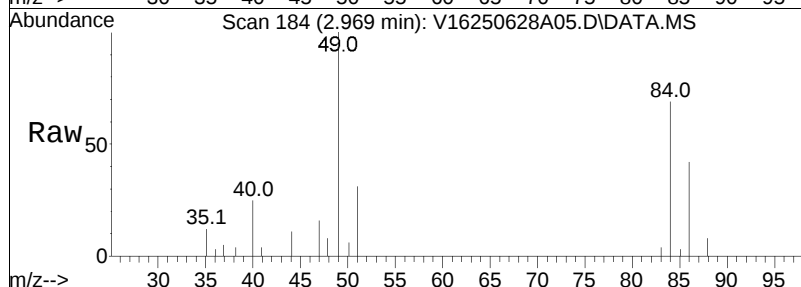
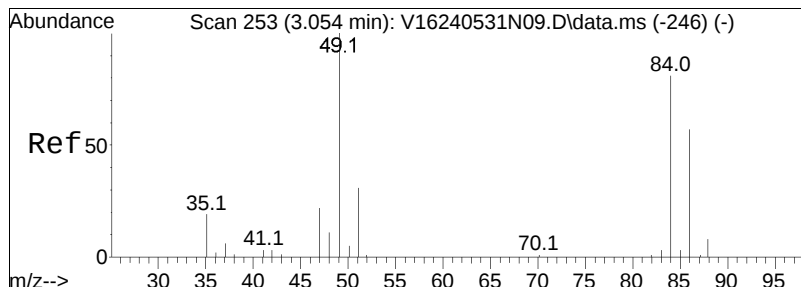
Quantitation Report (QT Reviewed)

Data Path : K:\VOA116\2025\250628\
 Data File : V16250628A05.D
 Acq On : 28 Jun 2025 07:37 am
 Operator : VOA116:MCM
 Sample : WG2084905-5,31,10,10,,A
 Misc : WG2084905,ICAL22334
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 28 09:14:17 2025
 Quant Method : K:\VOA116\2025\250628\V116_250605_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Thu Jun 05 07:21:45 2025
 Response via : Initial Calibration

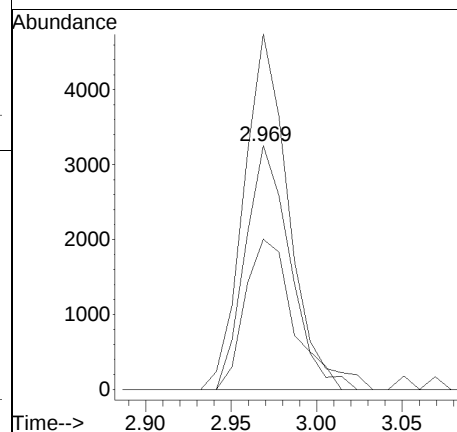
Sub List : 8260-NJ+TBA - Standard NJ plus TBA Sublist

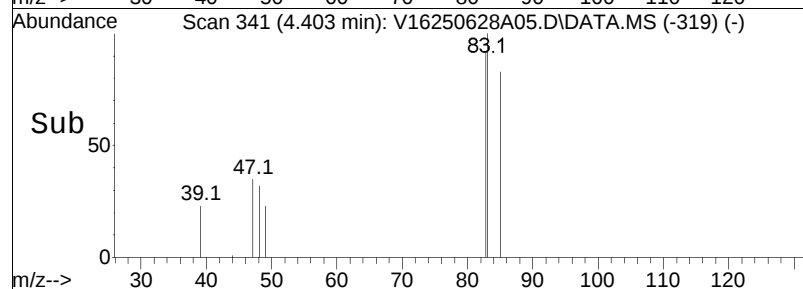
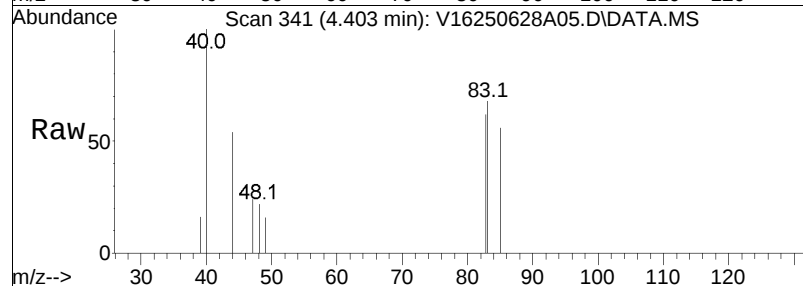
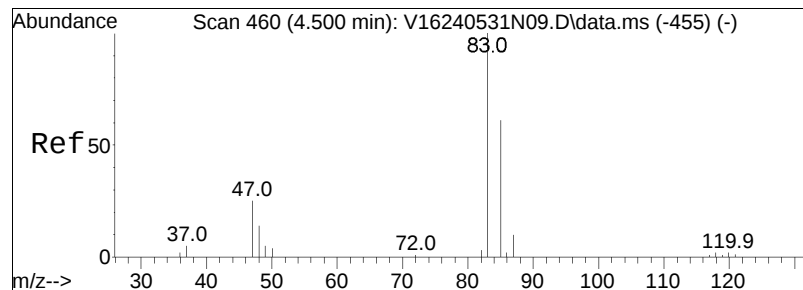




#15
Methylene chloride
Concen: 0.49 ug/L
RT: 2.969 min Scan# 184
Delta R.T. -0.000 min
Lab File: V16250628A05.D
Acq: 28 Jun 2025 07:37 am

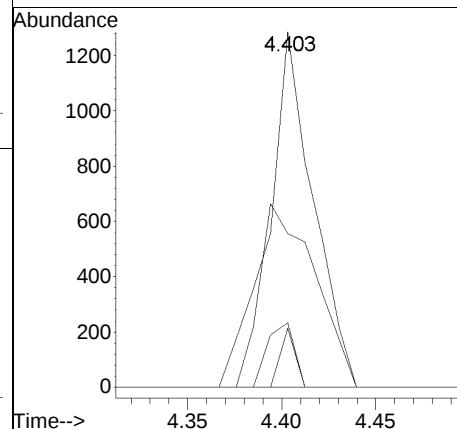
Tgt Ion: 84 Resp: 5935
Ion Ratio Lower Upper
84 100
86 65.5 41.0 85.0
49 147.6 78.5 163.1





#35
 Chloroform
 Concen: 0.10 ug/L
 RT: 4.403 min Scan# 341
 Delta R.T. 0.000 min
 Lab File: V16250628A05.D
 Acq: 28 Jun 2025 07:37 am

Tgt Ion:	83	Resp:	2159
Ion Ratio	Lower	Upper	
83	100		
85	62.9	41.2	85.6
47	10.7	15.1	31.3#
48	5.4	7.2	14.9#



Manual Integration Report

Data Path	: K:\V0A116\2025\250628\	QMethod	: V116_250605_8260.m
Data File	: V16250628A05.D	Operator	: V0A116:MCM
Date Inj'd	: 6/28/2025 7:37 am	Instrument	: V0A 116
Sample	: WG2084905-5,31,10,10,,A	Quant Date	: 6/28/2025 9:13 am

There are no manual integrations or false positives in this file.

Metals

Inorganic Data (ICP Analysis)

Sample Results Summary

Form 1

METALS

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : L2540375-01
 Client ID : UST-E1
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 1,6010D
 Lab File ID : WG2086571.pdf
 Sample Amount : 1.312g
 Digestion Method : EPA 3050B

Lab Number : L2540375
 Project Number : RAMSEY SD
 Date Collected : 06/26/25 10:30
 Date Received : 06/26/25
 Date Analyzed : 07/03/25 15:46
 Dilution Factor : 2
 Analyst : JMF
 Instrument ID : TRACE8
 %Solids : 83
 Date Digested : 07/03/25

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7439-92-1	Lead, Total	23.3	4.59	0.218	



Form 1

METALS

Client : Phoenix Environmental
Project Name : RAMSEY SD
Lab ID : L2540375-02
Client ID : UST-E2
Sample Location : RAMSEY, NJ
Sample Matrix : SOIL
Analytical Method : 1,6010D
Lab File ID : WG2086571.pdf
Sample Amount : 1.298g
Digestion Method : EPA 3050B

Lab Number : L2540375
Project Number : RAMSEY SD
Date Collected : 06/26/25 13:30
Date Received : 06/26/25
Date Analyzed : 07/03/25 15:49
Dilution Factor : 2
Analyst : JMF
Instrument ID : TRACE8
%Solids : 81
Date Digested : 07/03/25

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7439-92-1	Lead, Total	20.6	4.78	0.227	



Form 1

METALS

Client : Phoenix Environmental
Project Name : RAMSEY SD
Lab ID : WG2086750-1
Client ID : WG2086750-1BLANK
Sample Location :
Sample Matrix : SOIL
Analytical Method : 1,6010D
Lab File ID : WG2086571.pdf
Sample Amount : 1.25g
Digestion Method : EPA 3050B

Lab Number : L2540375
Project Number : RAMSEY SD
Date Collected : NA
Date Received : NA
Date Analyzed : 07/03/25 15:39
Dilution Factor : 1
Analyst : JMF
Instrument ID : TRACE8
%Solids : NA
Date Digested : 07/03/25

CAS NO.	Parameter	mg/kg			Qualifier
		Results	RL	MDL	
7439-92-1	Lead, Total	ND	2.00	0.095	U



Blank Results Summary

Form 3 Blanks

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : TRACE8

Lab Number : L2540375
 Project Number : RAMSEY SD

Parameter	Initial Calibration		Continuing Calibration				Preparation	
	Blank		Blank(s)				Blank	
Lab ID	: R1984263-2		R1984263-7	R1984263-9	R1984263-11		WG2086750-1	
Date Analyzed	: 07/03/25 06:55		07/03/25 08:15	07/03/25 09:13	07/03/25 10:09		07/03/25 15:39	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/kg	Q
Lead	0.00238	U	0.00238	U	0.00238	U	0.00238	U



Form 3 Blanks

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : TRACE8

Lab Number : L2540375
 Project Number : RAMSEY SD

Parameter	Initial Calibration		Continuing Calibration				Preparation	
	Blank		Blank(s)				Blank	
Lab ID	: R1984263-4		R1984263-13	R1984263-15	R1984263-17			
Date Analyzed	: 07/03/25 07:02		07/03/25 11:10	07/03/25 12:19	07/03/25 13:12			
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Lead	0.00238	U	0.00238	U	0.00238	U	0.00238	U



Form 3 Blanks

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : TRACE8

Lab Number : L2540375
 Project Number : RAMSEY SD

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Lab ID :			R1984263-19		R1984263-21		R1984263-23	
Date Analyzed :			07/03/25 14:07		07/03/25 14:54		07/03/25 15:14	
Lead			0.00238	U	0.00238	U	0.00238	U



Form 3 Blanks

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : TRACE8

Lab Number : L2540375
 Project Number : RAMSEY SD

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Lab ID :			R1984263-25					
Date Analyzed :			07/03/25 16:13					
Lead			0.00238	U				



Calibration Summary

Form 2A

Initial and Continuing Calibration Verification

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : TRACE8

Lab Number : L2540375
 Project Number : RAMSEY SD
 Units : mg/l

		Initial Calibration			Continuing Calibration(s)						
Lab ID :		R1984263-1									
Date Analyzed :		07/03/25 06:51									
Parameter		True	Found	%R	True	Found	%R	Found	%R	Found	%R
Lead		0.500	0.4920	98							

Acceptance Criteria:

ICV: 95-105% (Methods 200.7, 245.1)
 90-110% (Methods 200.8, 6010, 6020, 7470, 7471, 7474)
 77-123% (Method 1631)
 76-113% (Method 245.7)

CCV: 90-110% (Methods 200.7, 245.1, 6010, 6020, 7474)
 85-115% (Method 200.8)
 80-120% (Methods 7470, 7471)
 77-123% (Method 1631)
 76-113% (Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : TRACE8

Lab Number : L2540375
 Project Number : RAMSEY SD
 Units : mg/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :	R1984263-3			R1984263-6			R1984263-8		R1984263-10	
Date Analyzed :	07/03/25 06:58			07/03/25 08:12			07/03/25 09:10		07/03/25 10:05	
Parameter	True	Found	%R	True	Found	%R	Found	%R	Found	%R
Lead	0.500	0.5100	102	0.5000	0.496	99	0.497	99	0.497	99

Acceptance Criteria:

ICV: 95-105% (Methods 200.7, 245.1)
 90-110% (Methods 200.8, 6010, 6020, 7470, 7471, 7474)
 77-123% (Method 1631)
 76-113% (Method 245.7)

CCV: 90-110% (Methods 200.7, 245.1, 6010, 6020, 7474)
 85-115% (Method 200.8)
 80-120% (Methods 7470, 7471)
 77-123% (Method 1631)
 76-113% (Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : TRACE8

Lab Number : L2540375
 Project Number : RAMSEY SD
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	R1984263-12			R1984263-14		R1984263-16	
					07/03/25 11:06			07/03/25 12:16		07/03/25 13:09	
					True	Found	%R	Found	%R	Found	%R
Lead					0.5000	0.498	100	0.496	99	0.495	99

Acceptance Criteria:

ICV: 95-105% (Methods 200.7, 245.1)
 90-110% (Methods 200.8, 6010, 6020, 7470, 7471, 7474)
 77-123% (Method 1631)
 76-113% (Method 245.7)

CCV: 90-110% (Methods 200.7, 245.1, 6010, 6020, 7474)
 85-115% (Method 200.8)
 80-120% (Methods 7470, 7471)
 77-123% (Method 1631)
 76-113% (Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : TRACE8

Lab Number : L2540375
 Project Number : RAMSEY SD
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	R1984263-18			R1984263-20		R1984263-22	
					True	Found	%R	Found	%R	Found	%R
Lead					0.5000	0.495	99	0.495	99	0.496	99

Acceptance Criteria:

ICV: 95-105% (Methods 200.7, 245.1)
 90-110% (Methods 200.8, 6010, 6020, 7470, 7471, 7474)
 77-123% (Method 1631)
 76-113% (Method 245.7)

CCV: 90-110% (Methods 200.7, 245.1, 6010, 6020, 7474)
 85-115% (Method 200.8)
 80-120% (Methods 7470, 7471)
 77-123% (Method 1631)
 76-113% (Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : TRACE8

Lab Number : L2540375
 Project Number : RAMSEY SD
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	True	Found	%R	Found	%R	Found	%R
Lead					0.5000	0.494	99				

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Method 200.8)
	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)



ICP Interference Check Sample Results Summary

Form 4a

Interference Check Sample

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : TRACE8

Lab Number : L2540375
 Project Number : RAMSEY SD
 Concentration Units : mg/l

Analyte	True		Initial Found			Final Found			
	Sol.	Sol.	Sol.	%R	Sol.	%R	Sol.	%R	Sol.
	A	AB	A	%R	AB	%R	A	%R	AB
Lab ID :			R1984263-5						
Analysis Date :			07/03/25 07:09						
Lead			-0.00793						

Acceptance Criteria: Methods 200.7, 200.8, 6010, 6020

ICSA: 80-120%

ICSAB: 80-120%



LCS Sample Results Summary

Form 7 Laboratory Control Sample

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Client Sample ID : NA
 Lab Sample ID : WG2086750-2
 Dup Sample ID :

Lab Number : L2540375
 Project Number : RAMSEY SD
 Matrix : SOIL
 LCS Analysis Date : 07/03/25 15:43
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/kg)	Found (mg/kg)	%R	True (mg/kg)	Found (mg/kg)	%R			
Lead, Total	42.4	44.5	105.					80-120	20



Run Logs

Form 13

Analysis Run Log

Client : Phoenix Environmental
Project Name : RAMSEY SD
Instrument ID : TRACE8
Start Date : 07/03/25 06:51

Lab Number : L2540375
Project Number : RAMSEY SD
Analysis Method : 1,6010D
End Date : 07/03/25 16:13

[illegible]

Form 13

Analysis Run Log

Client : Phoenix Environmental
Project Name : RAMSEY SD
Instrument ID : TRACE8
Start Date : 07/03/25 06:51

Lab Number : L2540375
Project Number : RAMSEY SD
Analysis Method : 1,6010D
End Date : 07/03/25 16:13

[illegible]

Digestion Logs

ICP

Form 12

Preparation Log

Client : Phoenix Environmental
Project Name : RAMSEY SD
Matrix : SOIL

Lab Number : L2540375
Project Number : RAMSEY SD
Prep Method : EPA 3050B

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
L2540375-01	07/03/25 13:18	1.31	-
L2540375-02	07/03/25 13:18	1.30	-
WG2086750-1	07/03/25 13:18	1.25	-
WG2086750-2	07/03/25 13:18	1.25	-

Inorganic Data (ICPMS Analysis)

Sample Results Summary

Form 1

METALS

Client : Phoenix Environmental
Project Name : RAMSEY SD
Lab ID : L2540375-01
Client ID : UST-E1
Sample Location : RAMSEY, NJ
Sample Matrix : SOIL
Analytical Method : 1,6020B
Lab File ID : WG2086599.csv
Sample Amount : 50ml
Digestion Method : EPA 3015

Lab Number : L2540375
Project Number : RAMSEY SD
Date Collected : 06/26/25 10:30
Date Received : 06/26/25
Date Analyzed : 07/03/25 13:29
Dilution Factor : 10
Analyst : SMV
Instrument ID : ICPMSQ
%Solids : 83
Date Digested : 07/03/25
Date Extracted : 06/27/25

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
7439-92-1	Lead, SPLP	58.2	10.0	3.43	



Form 1

METALS

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : L2540375-02
 Client ID : UST-E2
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 1,6020B
 Lab File ID : WG2086599.csv
 Sample Amount : 50ml
 Digestion Method : EPA 3015

Lab Number : L2540375
 Project Number : RAMSEY SD
 Date Collected : 06/26/25 13:30
 Date Received : 06/26/25
 Date Analyzed : 07/03/25 14:05
 Dilution Factor : 10
 Analyst : SMV
 Instrument ID : ICPMSQ
 %Solids : 81
 Date Digested : 07/03/25
 Date Extracted : 06/27/25

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
7439-92-1	Lead, SPLP	143.	10.0	3.43	



Form 1

METALS

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : WG2086714-1
 Client ID : WG2086714-1BLANK
 Sample Location :
 Sample Matrix : SOIL
 Analytical Method : 1,6020B
 Lab File ID : WG2086599.csv
 Sample Amount : 50ml
 Digestion Method : EPA 3015

Lab Number : L2540375
 Project Number : RAMSEY SD
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 07/03/25 13:19
 Dilution Factor : 10
 Analyst : SMV
 Instrument ID : ICPMSQ
 %Solids : NA
 Date Digested : 07/03/25
 Date Extracted : 06/27/25

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
7439-92-1	Lead, SPLP	ND	10.0	3.43	U



Form 1

METALS

Client : Phoenix Environmental
Project Name : RAMSEY SD
Lab ID : WG2086714-4
Client ID : UST-E1DUP
Sample Location :
Sample Matrix : SOIL
Analytical Method : 1,6020B
Lab File ID : WG2086599.csv
Sample Amount : 50ml
Digestion Method : EPA 3015

Lab Number : L2540375
Project Number : RAMSEY SD
Date Collected : 06/26/25 10:30
Date Received : 06/26/25
Date Analyzed : 07/03/25 13:39
Dilution Factor : 10
Analyst : SMV
Instrument ID : ICPMSQ
%Solids : 83
Date Digested : 07/03/25

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
7439-92-1	Lead, SPLP	57.6	10.0	3.43	



Blank Results Summary

Form 3 Blanks

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : ICPMSQ

Lab Number : L2540375
 Project Number : RAMSEY SD

Parameter	Initial Calibration		Continuing Calibration				Preparation	
	Blank		Blank(s)				Blank	
Lab ID	: R1984212-2		R1984212-6	R1984212-8	R1984212-10		WG2086714-1	
Date Analyzed	: 07/03/25 08:04		07/03/25 08:35	07/03/25 08:49	07/03/25 10:00		07/03/25 13:19	
	ug/l	Q	ug/l	Q	ug/l	Q	ug/l	Q
Lead	0.343	U	0.493	J	0.343	U	0.343	U



Form 3 Blanks

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : ICPMSQ

Lab Number : L2540375
 Project Number : RAMSEY SD

Parameter	Initial Calibration		Continuing Calibration				Preparation	
	Blank		Blank(s)				Blank	
Lab ID :	R1984212-3		R1984212-13		R1984212-15		R1984212-17	
Date Analyzed :	07/03/25 08:10		07/03/25 11:03		07/03/25 12:24		07/03/25 12:47	
	ug/l	Q	ug/l	Q	ug/l	Q	ug/l	Q
Lead	0.343	U	0.343	U	0.343	U	0.343	U



Form 3 Blanks

Client : Phoenix Environmental
Project Name : RAMSEY SD
Instrument ID : ICPMSQ

Lab Number : L2540375
Project Number : RAMSEY SD

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
	ug/l	Q	ug/l	Q	ug/l	Q	ug/l	Q
Lab ID :			R1984212-19					
Date Analyzed :			07/03/25 14:32					
Lead			0.343	U				



Calibration Summary

Form 2A

Initial and Continuing Calibration Verification

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : ICPMSQ

Lab Number : L2540375
 Project Number : RAMSEY SD
 Units : ug/l

	Initial Calibration			Continuing Calibration(s)						
Lab ID :	R1984212-1			R1984212-5			R1984212-7		R1984212-9	
Date Analyzed :	07/03/25 07:59			07/03/25 08:30			07/03/25 08:44		07/03/25 09:55	
Parameter	True	Found	%R	True	Found	%R	Found	%R	Found	%R
Lead	50.0	48.1000	96	60.0000	56.9	95	56.1	94	59.9	100

Acceptance Criteria:

ICV: 95-105% (Methods 200.7, 245.1)
 90-110% (Methods 200.8, 6010, 6020, 7470, 7471, 7474)
 77-123% (Method 1631)
 76-113% (Method 245.7)

CCV: 90-110% (Methods 200.7, 245.1, 6010, 6020, 7474)
 85-115% (Method 200.8)
 80-120% (Methods 7470, 7471)
 77-123% (Method 1631)
 76-113% (Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : ICPMSQ

Lab Number : L2540375
 Project Number : RAMSEY SD
 Units : ug/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	R1984212-12			R1984212-14		R1984212-16	
					True	Found	%R	Found	%R	Found	%R
Lead					60.0000	57.4	96	59.2	99	60.0	100

Acceptance Criteria:

ICV: 95-105% (Methods 200.7, 245.1)
 90-110% (Methods 200.8, 6010, 6020, 7470, 7471, 7474)
 77-123% (Method 1631)
 76-113% (Method 245.7)

CCV: 90-110% (Methods 200.7, 245.1, 6010, 6020, 7474)
 85-115% (Method 200.8)
 80-120% (Methods 7470, 7471)
 77-123% (Method 1631)
 76-113% (Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : ICPMSQ

Lab Number : L2540375
 Project Number : RAMSEY SD
 Units : ug/l

Parameter	Lab ID :	Initial Calibration			Continuing Calibration(s)						
	Date Analyzed :				R1984212-18						
					07/03/25 14:27						
		True	Found	%R	True	Found	%R	Found	%R	Found	%R
Lead					60.0000	60.1	100				

Acceptance Criteria:

ICV: 95-105% (Methods 200.7, 245.1)
 90-110% (Methods 200.8, 6010, 6020, 7470, 7471, 7474)
 77-123% (Method 1631)
 76-113% (Method 245.7)

CCV: 90-110% (Methods 200.7, 245.1, 6010, 6020, 7474)
 85-115% (Method 200.8)
 80-120% (Methods 7470, 7471)
 77-123% (Method 1631)
 76-113% (Method 245.7)



ICP Interference Check Sample Results Summary

Form 4a

Interference Check Sample

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : ICPMSQ

Lab Number : L2540375
 Project Number : RAMSEY SD
 Concentration Units : ug/l

Analyte	True		Initial Found			Final Found			
	Sol.	Sol.	Sol.	%R	Sol.	%R	Sol.	%R	Sol.
	A	AB	A	%R	AB	%R	A	%R	AB
Lab ID :			R1984212-4						
Analysis Date :			07/03/25 08:15						
Lead			1.05						

Acceptance Criteria: Methods 200.7, 200.8, 6010, 6020

ICSA: 80-120%

ICSAB: 80-120%



Spike Sample Results

Form 5a Matrix Spike

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Client Sample ID : UST-E1
 Lab Sample ID : L2540375-01
 Matrix Spike : WG2086714-3
 Matrix Spike Dup :

Lab Number : L2540375
 Project Number : RAMSEY SD
 Matrix : SOIL
 MS Analysis Date : 07/03/25 13:34
 MSD Analysis Date :

Parameter	Sample Conc. (ug/l)	Matrix Spike Sample		%R	Matrix Spike Duplicate		%R	RPD	Recovery Limits	RPD Limit
		Spike Added (ug/l)	Spike Conc. (ug/l)		Spike Added (ug/l)	Spike Conc. (ug/l)				
Lead, SPLP	58.2	530	584.	99					80-120	20



Duplicate Sample Results Summary

Form 6 Lab Duplicates

Client : Phoenix Environmental
Project Name : RAMSEY SD
Client Sample ID : UST-E1
Lab Sample ID : L2540375-01
Dup Sample ID : WG2086714-4

Lab Number : L2540375
Project Number : RAMSEY SD
Matrix : SOIL
Analysis Date : 07/03/25 13:29
DUP Analysis Date : 07/03/25 13:39

Parameter	Sample Concentration (ug/l)	Duplicate Concentration (ug/l)	RPD	RPD Limit
Lead, SPLP	58.2	57.6	1	20



LCS Sample Results Summary

Form 7 Laboratory Control Sample

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Client Sample ID : NA
 Lab Sample ID : WG2086714-2
 Dup Sample ID :

Lab Number : L2540375
 Project Number : RAMSEY SD
 Matrix : SOIL
 LCS Analysis Date : 07/03/25 13:24
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Lead, SPLP	530.	500.	94.					80-120	20



Internal Standard Summary

Form 15

ICP-MS Internal Standards Relative Intensity Summary

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Instrument ID : ICPMSQ
 Start Date : 07/03/25

Lab Number : L2540375
 Project Number : RAMSEY SD
 Analysis Method : 1,6020B
 End Date : 07/03/25

Sample #	Time	Internal Standards %RI For:				
		Lithium	Scandium	Ge	In	Bismuth
R1984212-1 ICV	07:59:15	93	95	98	98	96
R1984212-2 ICB	08:04:11	94	94	98	98	97
R1984212-3 ICB	08:10:33	93	91	98	98	96
R1984212-4 ICSA	08:15:31	70	84	94	94	80
R1984212-5 CCV	08:30:11	86	93	104	102	99
R1984212-6 CCB	08:35:07	85	87	101	99	97
R1984212-7 CCV	08:44:47	82	88	101	98	100
R1984212-8 CCB	08:49:43	84	87	100	99	97
R1984212-9 CCV	09:55:10	97	102	112	106	100
R1984212-10 CCB	10:00:07	96	100	112	108	105
R1984212-12 CCV	10:58:26	82	86	106	101	99
R1984212-13 CCB	11:03:23	88	90	107	101	102
R1984212-14 CCV	12:19:41	93	95	113	105	104
R1984212-15 CCB	12:24:38	94	96	112	105	105
R1984212-16 CCV	12:42:18	92	95	111	104	103
R1984212-17 CCB	12:47:15	93	97	113	105	105
WG2086714-1 BLANK	13:19:44	91	97	113	102	110
WG2086714-2 LCS	13:24:36	91	96	110	102	105
L2540375-01	13:29:30	91	94	109	102	104
WG2086714-3 MS	13:34:24	93	95	109	101	101
WG2086714-4 DUP	13:39:18	90	94	111	102	104
L2540375-02	14:05:45	91	95	110	102	104
R1984212-18 CCV	14:27:43	82	84	108	100	99
R1984212-19 CCB	14:32:41	90	92	107	100	100



Run Logs

Form 13

Analysis Run Log

Client : Phoenix Environmental
Project Name : RAMSEY SD
Instrument ID : ICPMSQ
Start Date : 07/03/25 07:01

Lab Number : L2540375
Project Number : RAMSEY SD
Analysis Method : 1,6020B
End Date : 07/03/25 14:32

[illegible]

Digestion Logs

ICPMS

Form 12

Preparation Log

Client : Phoenix Environmental
Project Name : RAMSEY SD
Matrix : SOIL

Lab Number : L2540375
Project Number : RAMSEY SD
Prep Method : EPA 3015

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
L2540375-01	07/03/25 11:48	-	50
L2540375-02	07/03/25 11:48	-	50
WG2086714-1	07/03/25 11:48	-	50
WG2086714-2	07/03/25 11:48	-	50
WG2086714-3	07/03/25 11:48	-	50
WG2086714-4	07/03/25 11:48	-	50



Wet Chemistry

Total Solids / Percent Moisture Analysis

Results Summary

Form 1

WETCHEM

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : L2540375-01
 Client ID : UST-E1
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 121,2540G
 Lab File ID : WG2084996.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2540375
 Project Number : RAMSEY SD
 Date Collected : 06/26/25 10:30
 Date Received : 06/26/25
 Date Analyzed : 06/29/25 18:17
 Dilution Factor : 1
 Analyst : HGE
 Instrument ID : BALANCE#53
 %Solids : 83
 Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	83.0	0.100	NA	



Form 1

WETCHEM

Client : Phoenix Environmental
 Project Name : RAMSEY SD
 Lab ID : L2540375-02
 Client ID : UST-E2
 Sample Location : RAMSEY, NJ
 Sample Matrix : SOIL
 Analytical Method : 121,2540G
 Lab File ID : WG2084996.pdf
 Sample Amount :
 Digestion Method :

Lab Number : L2540375
 Project Number : RAMSEY SD
 Date Collected : 06/26/25 13:30
 Date Received : 06/26/25
 Date Analyzed : 06/29/25 18:17
 Dilution Factor : 1
 Analyst : HGE
 Instrument ID : BALANCE#53
 %Solids : 81
 Date Digested :

CAS NO.	Parameter	%			Qualifier
		Results	RL	MDL	
NONE	Solids, Total	80.6	0.100	NA	

